

File Name:

Polarization

Theta

Frequency (MHz)

2350	Theta Angle (°)	0	15	
	Phi Angle (°)	Response (dB)	Phi Angle (°)	Response (dB)
	0	-14.14	0	-15.15
	15	-25.48	60	-8.05
	30	-20.58	120	-4.99
	45	-12.62	180	-11.92
	60	-8.91	240	-11.28
	75	-6.78	300	-4.68
	90	-5.56	360	-15.15
	105	-5.04		
	120	-5.12		
	135	-5.82		
	150	-7.26		
	165	-9.73		
	180	-14.14		
	195	-25.48		
	210	-20.58		
	225	-12.62		
	240	-8.91		
	255	-6.78		
	270	-5.56		
	285	-5.04		
	300	-5.12		
	315	-5.82		
	330	-7.26		
	345	-9.73		
	355	-12.34		
	360	-14.14		

2360	Theta Angle (°)	0	15	
	Phi Angle (°)	Response (dB)	Phi Angle (°)	Response (dB)
	0	-13.82	0	-15.14
	15	-25.05	60	-7.67
	30	-20.37	120	-4.57
	45	-12.36	180	-11.46
	60	-8.64	240	-11.13
	75	-6.5	300	-4.41
	90	-5.28	360	-15.14
	105	-4.75		
	120	-4.83		

135	-5.53	270
150	-6.96	300
165	-9.43	330
180	-13.82	360
195	-25.05	
210	-20.37	
225	-12.36	
240	-8.64	
255	-6.5	
270	-5.28	
285	-4.75	
300	-4.83	
315	-5.53	
330	-6.96	
345	-9.43	
355	-12.02	
360	-13.82	

2370 Theta Angle (°)	0	15		
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-13.76	0	-15.37	0
15	-24.63	60	-7.81	30
30	-20.75	120	-4.66	60
45	-12.55	180	-11.47	90
60	-8.78	240	-11.37	120
75	-6.61	300	-4.64	150
90	-5.37	360	-15.37	180
105	-4.83			210
120	-4.9			240
135	-5.58			270
150	-7			300
165	-9.43			330
180	-13.76			360
195	-24.63			
210	-20.75			
225	-12.55			
240	-8.78			
255	-6.61			
270	-5.37			
285	-4.83			
300	-4.9			
315	-5.58			
330	-7			

345	-9.43
355	-12
360	-13.76

2380 Theta Angle (	0	15
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)
0	-13.04	0 -14.86 0
15	-23.62	60 -7.33 30
30	-20.4	120 -4.12 60
45	-12.03	180 -10.97 90
60	-8.22	240 -10.83 120
75	-6.03	300 -4.21 150
90	-4.78	360 -14.86 180
105	-4.23	210
120	-4.28	240
135	-4.95	270
150	-6.35	300
165	-8.77	330
180	-13.04	360
195	-23.62	
210	-20.4	
225	-12.03	
240	-8.22	
255	-6.03	
270	-4.78	
285	-4.23	
300	-4.28	
315	-4.95	
330	-6.35	
345	-8.77	
355	-11.3	
360	-13.04	

2390 Theta Angle (	0	15
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)
0	-12.7	0 -14.56 0
15	-23.63	60 -6.96 30
30	-19.61	120 -3.74 60
45	-11.44	180 -10.7 90
60	-7.68	240 -10.25 120
75	-5.52	300 -3.95 150
90	-4.28	360 -14.56 180
105	-3.74	210

120	-3.81	240
135	-4.5	270
150	-5.92	300
165	-8.36	330
180	-12.7	360
195	-23.63	
210	-19.61	
225	-11.44	
240	-7.68	
255	-5.52	
270	-4.28	
285	-3.74	
300	-3.81	
315	-4.5	
330	-5.92	
345	-8.36	
355	-10.93	
360	-12.7	

2400 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-12.52	0	-14.44	0
15	-24.15	60	-6.48	30
30	-18.65	120	-3.32	60
45	-10.83	180	-10.45	90
60	-7.15	240	-9.56	120
75	-5.03	300	-3.64	150
90	-3.83	360	-14.44	180
105	-3.32			210
120	-3.41			240
135	-4.12			270
150	-5.57			300
165	-8.07			330
180	-12.52			360
195	-24.15			
210	-18.65			
225	-10.83			
240	-7.15			
255	-5.03			
270	-3.83			
285	-3.32			
300	-3.41			
315	-4.12			

330	-5.57
345	-8.07
355	-10.7
360	-12.52

2410 Theta Angle (	0	15		
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-12.65	0	-14.61	0
15	-25.24	60	-6.07	30
30	-17.89	120	-3.03	60
45	-10.43	180	-10.33	90
60	-6.86	240	-9.02	120
75	-4.79	300	-3.44	150
90	-3.62	360	-14.61	180
105	-3.14			210
120	-3.26			240
135	-4			270
150	-5.49			300
165	-8.05			330
180	-12.65			360
195	-25.24			
210	-17.89			
225	-10.43			
240	-6.86			
255	-4.79			
270	-3.62			
285	-3.14			
300	-3.26			
315	-4			
330	-5.49			
345	-8.05			
355	-10.76			
360	-12.65			

2420 Theta Angle (	0	15		
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-12.97	0	-15.06	0
15	-26.34	60	-5.79	30
30	-17.62	120	-2.91	60
45	-10.4	180	-10.29	90
60	-6.89	240	-8.77	120
75	-4.86	300	-3.39	150
90	-3.72	360	-15.06	180

105	-3.25	210
120	-3.39	240
135	-4.16	270
150	-5.67	300
165	-8.28	330
180	-12.97	360
195	-26.34	
210	-17.62	
225	-10.4	
240	-6.89	
255	-4.86	
270	-3.72	
285	-3.25	
300	-3.39	
315	-4.16	
330	-5.67	
345	-8.28	
355	-11.04	
360	-12.97	

2430 Theta Angle (°)	0	15
Phi Angle (∞) Response (d)	Phi Angle (∞) Response (d)	Phi Angle (∞)
0	-13.35	0
15	-27.27	30
30	-17.64	60
45	-10.55	90
60	-7.08	120
75	-5.07	150
90	-3.95	180
105	-3.49	210
120	-3.64	240
135	-4.42	270
150	-5.96	300
165	-8.59	330
180	-13.35	360
195	-27.27	
210	-17.64	
225	-10.55	
240	-7.08	
255	-5.07	
270	-3.95	
285	-3.49	
300	-3.64	

315	-4.42
330	-5.96
345	-8.59
355	-11.39
360	-13.35

2440 Theta Angle (	0	15		
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)		
0	-13.85	0	-16.7	0
15	-28.07	60	-5.88	30
30	-17.94	120	-3.28	60
45	-10.92	180	-10.58	90
60	-7.48	240	-8.97	120
75	-5.48	300	-3.81	150
90	-4.36	360	-16.7	180
105	-3.92			210
120	-4.07			240
135	-4.86			270
150	-6.4			300
165	-9.05			330
180	-13.85			360
195	-28.07			
210	-17.94			
225	-10.92			
240	-7.48			
255	-5.48			
270	-4.36			
285	-3.92			
300	-4.07			
315	-4.86			
330	-6.4			
345	-9.05			
355	-11.87			
360	-13.85			

2450 Theta Angle (	0	15		
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)		
0	-14.39	0	-17.85	0
15	-29.03	60	-6.25	30
30	-18.24	120	-3.73	60
45	-11.31	180	-10.94	90
60	-7.89	240	-9.3	120
75	-5.91	300	-4.26	150

90	-4.8	360	-17.85	180
105	-4.36			210
120	-4.53			240
135	-5.32			270
150	-6.88			300
165	-9.54			330
180	-14.39			360
195	-29.03			
210	-18.24			
225	-11.31			
240	-7.89			
255	-5.91			
270	-4.8			
285	-4.36			
300	-4.53			
315	-5.32			
330	-6.88			
345	-9.54			
355	-12.39			
360	-14.39			

2460 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-14.8	0	-19.04	0
15	-30.22	60	-6.54	30
30	-18.24	120	-4.08	60
45	-11.46	180	-11.21	90
60	-8.09	240	-9.53	120
75	-6.13	300	-4.63	150
90	-5.03	360	-19.04	180
105	-4.61			210
120	-4.79			240
135	-5.6			270
150	-7.18			300
165	-9.87			330
180	-14.8			360
195	-30.22			
210	-18.24			
225	-11.46			
240	-8.09			
255	-6.13			
270	-5.03			
285	-4.61			

300	-4.79
315	-5.6
330	-7.18
345	-9.87
355	-12.76
360	-14.8

2470 Theta Angle (	0	15		
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)		
0	-14.81	0	-19.76	0
15	-30.08	60	-6.56	30
30	-18.33	120	-4.11	60
45	-11.52	180	-11.13	90
60	-8.14	240	-9.55	120
75	-6.17	300	-4.72	150
90	-5.08	360	-19.76	180
105	-4.65			210
120	-4.83			240
135	-5.64			270
150	-7.21			300
165	-9.9			330
180	-14.81			360
195	-30.08			
210	-18.33			
225	-11.52			
240	-8.14			
255	-6.17			
270	-5.08			
285	-4.65			
300	-4.83			
315	-5.64			
330	-7.21			
345	-9.9			
355	-12.78			
360	-14.81			

2480 Theta Angle (	0	15		
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)		
0	-14.74	0	-20.16	0
15	-28.29	60	-6.85	30
30	-19.26	120	-4.37	60
45	-12.08	180	-11.19	90
60	-8.59	240	-9.9	120

75	-6.57	300	-5.04	150
90	-5.43	360	-20.16	180
105	-4.97			210
120	-5.11			240
135	-5.88			270
150	-7.4			300
165	-10.02			330
180	-14.74			360
195	-28.29			
210	-19.26			
225	-12.08			
240	-8.59			
255	-6.57			
270	-5.43			
285	-4.97			
300	-5.11			
315	-5.88			
330	-7.4			
345	-10.02			
355	-12.79			
360	-14.74			

2490 Theta Angle (		0	15	
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-14.66	0	-20.02	0
15	-25.97	60	-7.45	30
30	-21.13	120	-4.91	60
45	-13.15	180	-11.45	90
60	-9.44	240	-10.65	120
75	-7.3	300	-5.6	150
90	-6.09	360	-20.02	180
105	-5.56			210
120	-5.64			240
135	-6.35			270
150	-7.78			300
165	-10.25			330
180	-14.66			360
195	-25.97			
210	-21.13			
225	-13.15			
240	-9.44			
255	-7.3			
270	-6.09			

285	-5.56
300	-5.64
315	-6.35
330	-7.78
345	-10.25
355	-12.86
360	-14.66

2500 Theta Angle (		0	15	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-13.77	0	-18.8	0
15	-23.44	60	-7.43	30
30	-22.51	120	-4.7	60
45	-13.47	180	-10.93	90
60	-9.51	240	-10.69	120
75	-7.24	300	-5.4	150
90	-5.94	360	-18.8	180
105	-5.34			210
120	-5.36			240
135	-5.99			270
150	-7.34			300
165	-9.67			330
180	-13.77			360
195	-23.44			
210	-22.51			
225	-13.47			
240	-9.51			
255	-7.24			
270	-5.94			
285	-5.34			
300	-5.36			
315	-5.99			
330	-7.34			
345	-9.67			
355	-12.11			
360	-13.77			

2510 Theta Angle (		0	15	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-13.13	0	-17.58	0
15	-22.12	60	-7.57	30
30	-23.18	120	-4.63	60
45	-13.46	180	-10.5	90

60	-9.35	240	-10.86	120
75	-7.01	300	-5.3	150
90	-5.67	360	-17.58	180
105	-5.03			210
120	-5.01			240
135	-5.61			270
150	-6.91			300
165	-9.17			330
180	-13.13			360
195	-22.12			
210	-23.18			
225	-13.46			
240	-9.35			
255	-7.01			
270	-5.67			
285	-5.03			
300	-5.01			
315	-5.61			
330	-6.91			
345	-9.17			
355	-11.53			
360	-13.13			

2520 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-13.47	0	-17.35	0
15	-22.37	60	-8.63	30
30	-23.75	120	-5.37	60
45	-13.91	180	-10.95	90
60	-9.77	240	-11.83	120
75	-7.43	300	-6.04	150
90	-6.07	360	-17.35	180
105	-5.43			210
120	-5.41			240
135	-6			270
150	-7.29			300
165	-9.54			330
180	-13.47			360
195	-22.37			
210	-23.75			
225	-13.91			
240	-9.77			
255	-7.43			

270	-6.07
285	-5.43
300	-5.41
315	-6
330	-7.29
345	-9.54
355	-11.89
360	-13.47

2530 Theta Angle (		0	15	
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-13.8	0	-17.03	0
15	-23.08	60	-9.37	30
30	-23.27	120	-5.84	60
45	-13.86	180	-11.26	90
60	-9.81	240	-12.42	120
75	-7.51	300	-6.48	150
90	-6.18	360	-17.03	180
105	-5.56			210
120	-5.56			240
135	-6.17			270
150	-7.49			300
165	-9.78			330
180	-13.8			360
195	-23.08			
210	-23.27			
225	-13.86			
240	-9.81			
255	-7.51			
270	-6.18			
285	-5.56			
300	-5.56			
315	-6.17			
330	-7.49			
345	-9.78			
355	-12.17			
360	-13.8			

Phi	Frequency (MHz)		15		
	2350 Theta Angle (	0	Phi Angle (∞)	Response (d	Phi Angle (∞)
	0	-5.56	0	-5.68	0
	15	-5.04	60	-7.94	30

30	-5.12	120	-18.93	60
45	-5.82	180	-5.39	90
60	-7.26	240	-5.57	120
75	-9.73	300	-27.74	150
90	-14.14	360	-5.68	180
105	-25.48			210
120	-20.58			240
135	-12.62			270
150	-8.91			300
165	-6.78			330
180	-5.56			360
195	-5.04			
210	-5.12			
225	-5.82			
240	-7.26			
255	-9.73			
270	-14.14			
285	-25.48			
300	-20.58			
315	-12.62			
330	-8.91			
345	-6.78			
355	-5.88			
360	-5.56			

2360 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-5.28	0	-5.47	0
15	-4.75	60	-7.73	30
30	-4.83	120	-18.77	60
45	-5.53	180	-5.09	90
60	-6.96	240	-5.14	120
75	-9.43	300	-26.51	150
90	-13.82	360	-5.47	180
105	-25.05			210
120	-20.37			240
135	-12.36			270
150	-8.64			300
165	-6.5			330
180	-5.28			360
195	-4.75			
210	-4.83			
225	-5.53			

240	-6.96
255	-9.43
270	-13.82
285	-25.05
300	-20.37
315	-12.36
330	-8.64
345	-6.5
355	-5.6
360	-5.28

2370 Theta Angle (	0	15		
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)		
0	-5.37	0	-5.59	0
15	-4.83	60	-7.83	30
30	-4.9	120	-18.81	60
45	-5.58	180	-5.12	90
60	-7	240	-5.08	120
75	-9.43	300	-25.14	150
90	-13.76	360	-5.59	180
105	-24.63			210
120	-20.75			240
135	-12.55			270
150	-8.78			300
165	-6.61			330
180	-5.37			360
195	-4.83			
210	-4.9			
225	-5.58			
240	-7			
255	-9.43			
270	-13.76			
285	-24.63			
300	-20.75			
315	-12.55			
330	-8.78			
345	-6.61			
355	-5.7			
360	-5.37			

2380 Theta Angle (	0	15		
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)		
0	-4.78	0	-5.04	0

15	-4.23	60	-7.29	30
30	-4.28	120	-18.2	60
45	-4.95	180	-4.52	90
60	-6.35	240	-4.45	120
75	-8.77	300	-23.54	150
90	-13.04	360	-5.04	180
105	-23.62			210
120	-20.4			240
135	-12.03			270
150	-8.22			300
165	-6.03			330
180	-4.78			360
195	-4.23			
210	-4.28			
225	-4.95			
240	-6.35			
255	-8.77			
270	-13.04			
285	-23.62			
300	-20.4			
315	-12.03			
330	-8.22			
345	-6.03			
355	-5.11			
360	-4.78			

2390 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-4.28	0	-4.59	0
15	-3.74	60	-6.85	30
30	-3.81	120	-17.63	60
45	-4.5	180	-4.07	90
60	-5.92	240	-4.02	120
75	-8.36	300	-22.31	150
90	-12.7	360	-4.59	180
105	-23.63			210
120	-19.61			240
135	-11.44			270
150	-7.68			300
165	-5.52			330
180	-4.28			360
195	-3.74			
210	-3.81			

225	-4.5
240	-5.92
255	-8.36
270	-12.7
285	-23.63
300	-19.61
315	-11.44
330	-7.68
345	-5.52
355	-4.61
360	-4.28

2400 Theta Angle (		0	15	
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-3.83	0	-4.2	0
15	-3.32	60	-6.47	30
30	-3.41	120	-17	60
45	-4.12	180	-3.67	90
60	-5.57	240	-3.68	120
75	-8.07	300	-21.58	150
90	-12.52	360	-4.2	180
105	-24.15			210
120	-18.65			240
135	-10.83			270
150	-7.15			300
165	-5.03			330
180	-3.83			360
195	-3.32			
210	-3.41			
225	-4.12			
240	-5.57			
255	-8.07			
270	-12.52			
285	-24.15			
300	-18.65			
315	-10.83			
330	-7.15			
345	-5.03			
355	-4.15			
360	-3.83			

2410 Theta Angle (		0	15	
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)

0	-3.62	0	-4.01	0
15	-3.14	60	-6.34	30
30	-3.26	120	-16.51	60
45	-4	180	-3.48	90
60	-5.49	240	-3.53	120
75	-8.05	300	-21.08	150
90	-12.65	360	-4.01	180
105	-25.24			210
120	-17.89			240
135	-10.43			270
150	-6.86			300
165	-4.79			330
180	-3.62			360
195	-3.14			
210	-3.26			
225	-4			
240	-5.49			
255	-8.05			
270	-12.65			
285	-25.24			
300	-17.89			
315	-10.43			
330	-6.86			
345	-4.79			
355	-3.93			
360	-3.62			

2420 Theta Angle (°)	0	15			
	Phi Angle (∞) Response (d)	Phi Angle (∞) Response (d)	Phi Angle (∞)		
0	-3.72	0	-4.06	0	
15	-3.25	60	-6.44	30	
30	-3.39	120	-16.24	60	
45	-4.16	180	-3.49	90	
60	-5.67	240	-3.6	120	
75	-8.28	300	-20.65	150	
90	-12.97	360	-4.06	180	
105	-26.34			210	
120	-17.62			240	
135	-10.4			270	
150	-6.89			300	
165	-4.86			330	
180	-3.72			360	
195	-3.25				

210	-3.39
225	-4.16
240	-5.67
255	-8.28
270	-12.97
285	-26.34
300	-17.62
315	-10.4
330	-6.89
345	-4.86
355	-4.02
360	-3.72

2430 Theta Angle (0	15		
Phi Angle (∞)		Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-3.95	0	-4.25	0	
15	-3.49	60	-6.71	30	
30	-3.64	120	-16.1	60	
45	-4.42	180	-3.65	90	
60	-5.96	240	-3.81	120	
75	-8.59	300	-20.52	150	
90	-13.35	360	-4.25	180	
105	-27.27			210	
120	-17.64			240	
135	-10.55			270	
150	-7.08			300	
165	-5.07			330	
180	-3.95			360	
195	-3.49				
210	-3.64				
225	-4.42				
240	-5.96				
255	-8.59				
270	-13.35				
285	-27.27				
300	-17.64				
315	-10.55				
330	-7.08				
345	-5.07				
355	-4.24				
360	-3.95				

2440 Theta Angle (0	15		
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Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-4.36	0	-4.62	0
15	-3.92	60	-7.15	30
30	-4.07	120	-16.1	60
45	-4.86	180	-3.96	90
60	-6.4	240	-4.25	120
75	-9.05	300	-20.74	150
90	-13.85	360	-4.62	180
105	-28.07			210
120	-17.94			240
135	-10.92			270
150	-7.48			300
165	-5.48			330
180	-4.36			360
195	-3.92			
210	-4.07			
225	-4.86			
240	-6.4			
255	-9.05			
270	-13.85			
285	-28.07			
300	-17.94			
315	-10.92			
330	-7.48			
345	-5.48			
355	-4.65			
360	-4.36			

2450 Theta Angle (	0	15		
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-4.8	0	-5.07	0
15	-4.36	60	-7.66	30
30	-4.53	120	-16.07	60
45	-5.32	180	-4.33	90
60	-6.88	240	-4.8	120
75	-9.54	300	-21.35	150
90	-14.39	360	-5.07	180
105	-29.03			210
120	-18.24			240
135	-11.31			270
150	-7.89			300
165	-5.91			330
180	-4.8			360

195	-4.36
210	-4.53
225	-5.32
240	-6.88
255	-9.54
270	-14.39
285	-29.03
300	-18.24
315	-11.31
330	-7.89
345	-5.91
355	-5.09
360	-4.8

2460 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-5.03	0	-5.42	0
15	-4.61	60	-8	30
30	-4.79	120	-15.9	60
45	-5.6	180	-4.63	90
60	-7.18	240	-5.21	120
75	-9.87	300	-21.91	150
90	-14.8	360	-5.42	180
105	-30.22			210
120	-18.24			240
135	-11.46			270
150	-8.09			300
165	-6.13			330
180	-5.03			360
195	-4.61			
210	-4.79			
225	-5.6			
240	-7.18			
255	-9.87			
270	-14.8			
285	-30.22			
300	-18.24			
315	-11.46			
330	-8.09			
345	-6.13			
355	-5.32			
360	-5.03			

2470 Theta Angle (		0	15	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-5.08	0	-5.59	0
15	-4.65	60	-8.1	30
30	-4.83	120	-15.64	60
45	-5.64	180	-4.78	90
60	-7.21	240	-5.37	120
75	-9.9	300	-22.26	150
90	-14.81	360	-5.59	180
105	-30.08			210
120	-18.33			240
135	-11.52			270
150	-8.14			300
165	-6.17			330
180	-5.08			360
195	-4.65			
210	-4.83			
225	-5.64			
240	-7.21			
255	-9.9			
270	-14.81			
285	-30.08			
300	-18.33			
315	-11.52			
330	-8.14			
345	-6.17			
355	-5.36			
360	-5.08			

2480 Theta Angle (		0	15	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-5.43	0	-6.1	0
15	-4.97	60	-8.49	30
30	-5.11	120	-15.95	60
45	-5.88	180	-5.31	90
60	-7.4	240	-5.84	120
75	-10.02	300	-22.12	150
90	-14.74	360	-6.1	180
105	-28.29			210
120	-19.26			240
135	-12.08			270
150	-8.59			300
165	-6.57			330

180	-5.43	360
195	-4.97	
210	-5.11	
225	-5.88	
240	-7.4	
255	-10.02	
270	-14.74	
285	-28.29	
300	-19.26	
315	-12.08	
330	-8.59	
345	-6.57	
355	-5.73	
360	-5.43	

2490 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-6.09	0	-6.8	0
15	-5.56	60	-9.08	30
30	-5.64	120	-16.74	60
45	-6.35	180	-6.14	90
60	-7.78	240	-6.61	120
75	-10.25	300	-21.88	150
90	-14.66	360	-6.8	180
105	-25.97			210
120	-21.13			240
135	-13.15			270
150	-9.44			300
165	-7.3			330
180	-6.09			360
195	-5.56			
210	-5.64			
225	-6.35			
240	-7.78			
255	-10.25			
270	-14.66			
285	-25.97			
300	-21.13			
315	-13.15			
330	-9.44			
345	-7.3			
355	-6.41			
360	-6.09			

2500 Theta Angle (		0	15	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-5.94	0	-6.62	0
15	-5.34	60	-8.79	30
30	-5.36	120	-16.91	60
45	-5.99	180	-6.15	90
60	-7.34	240	-6.66	120
75	-9.67	300	-21.09	150
90	-13.77	360	-6.62	180
105	-23.44			210
120	-22.51			240
135	-13.47			270
150	-9.51			300
165	-7.24			330
180	-5.94			360
195	-5.34			
210	-5.36			
225	-5.99			
240	-7.34			
255	-9.67			
270	-13.77			
285	-23.44			
300	-22.51			
315	-13.47			
330	-9.51			
345	-7.24			
355	-6.29			
360	-5.94			

2510 Theta Angle (		0	15	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-5.67	0	-6.29	0
15	-5.03	60	-8.4	30
30	-5.01	120	-17	60
45	-5.61	180	-6.05	90
60	-6.91	240	-6.67	120
75	-9.17	300	-20.73	150
90	-13.13	360	-6.29	180
105	-22.12			210
120	-23.18			240
135	-13.46			270
150	-9.35			300

165	-7.01	330
180	-5.67	360
195	-5.03	
210	-5.01	
225	-5.61	
240	-6.91	
255	-9.17	
270	-13.13	
285	-22.12	
300	-23.18	
315	-13.46	
330	-9.35	
345	-7.01	
355	-6.03	
360	-5.67	

2520 Theta Angle (°)	0	15		
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-6.07	0	-6.65	0
15	-5.43	60	-8.68	30
30	-5.41	120	-17.64	60
45	-6	180	-6.6	90
60	-7.29	240	-7.29	120
75	-9.54	300	-21.51	150
90	-13.47	360	-6.65	180
105	-22.37			210
120	-23.75			240
135	-13.91			270
150	-9.77			300
165	-7.43			330
180	-6.07			360
195	-5.43			
210	-5.41			
225	-6			
240	-7.29			
255	-9.54			
270	-13.47			
285	-22.37			
300	-23.75			
315	-13.91			
330	-9.77			
345	-7.43			
355	-6.43			

360 -6.07

2530 Theta Angle (		0		15	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	
0	-6.18	0	-6.81	0	
15	-5.56	60	-8.73	30	
30	-5.56	120	-17.94	60	
45	-6.17	180	-6.87	90	
60	-7.49	240	-7.49	120	
75	-9.78	300	-22.43	150	
90	-13.8	360	-6.81	180	
105	-23.08			210	
120	-23.27			240	
135	-13.86			270	
150	-9.81			300	
165	-7.51			330	
180	-6.18			360	
195	-5.56				
210	-5.56				
225	-6.17				
240	-7.49				
255	-9.78				
270	-13.8				
285	-23.08				
300	-23.27				
315	-13.86				
330	-9.81				
345	-7.51				
355	-6.53				
360	-6.18				

Total	Frequency (MHz)		2350 Theta Angle (0		15	
	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)			
	0	-5	0	-5.22	0			
	15	-5	60	-4.99	30			
	30	-5	120	-4.81	60			
	45	-5	180	-4.52	90			
	60	-5	240	-4.54	120			
	75	-5	300	-4.66	150			
	90	-5	360	-5.22	180			
	105	-5			210			
	120	-5			240			

135	-5	270
150	-5	300
165	-5	330
180	-5	360
195	-5	
210	-5	
225	-5	
240	-5	
255	-5	
270	-5	
285	-5	
300	-5	
315	-5	
330	-5	
345	-5	
355	-5	
360	-5	

2360 Theta Angle (	0	15		
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)		
0	-4.71	0	-5.03	0
15	-4.71	60	-4.69	30
30	-4.71	120	-4.41	60
45	-4.71	180	-4.19	90
60	-4.71	240	-4.17	120
75	-4.71	300	-4.39	150
90	-4.71	360	-5.03	180
105	-4.71			210
120	-4.71			240
135	-4.71			270
150	-4.71			300
165	-4.71			330
180	-4.71			360
195	-4.71			
210	-4.71			
225	-4.71			
240	-4.71			
255	-4.71			
270	-4.71			
285	-4.71			
300	-4.71			
315	-4.71			
330	-4.71			

345	-4.71
355	-4.71
360	-4.71

2370 Theta Angle (	0		15	
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-4.79	0	-5.15	0
15	-4.79	60	-4.81	30
30	-4.79	120	-4.5	60
45	-4.79	180	-4.21	90
60	-4.79	240	-4.16	120
75	-4.79	300	-4.6	150
90	-4.79	360	-5.15	180
105	-4.79			210
120	-4.79			240
135	-4.79			270
150	-4.79			300
165	-4.79			330
180	-4.79			360
195	-4.79			
210	-4.79			
225	-4.79			
240	-4.79			
255	-4.79			
270	-4.79			
285	-4.79			
300	-4.79			
315	-4.79			
330	-4.79			
345	-4.79			
355	-4.79			
360	-4.79			

2380 Theta Angle (	0		15	
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-4.18	0	-4.61	0
15	-4.18	60	-4.3	30
30	-4.18	120	-3.95	60
45	-4.18	180	-3.63	90
60	-4.18	240	-3.55	120
75	-4.18	300	-4.16	150
90	-4.18	360	-4.61	180
105	-4.18			210

120	-4.18	240
135	-4.18	270
150	-4.18	300
165	-4.18	330
180	-4.18	360
195	-4.18	
210	-4.18	
225	-4.18	
240	-4.18	
255	-4.18	
270	-4.18	
285	-4.18	
300	-4.18	
315	-4.18	
330	-4.18	
345	-4.18	
355	-4.18	
360	-4.18	

2390 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-3.7	0	-4.18	0
15	-3.7	60	-3.9	30
30	-3.7	120	-3.56	60
45	-3.7	180	-3.22	90
60	-3.7	240	-3.09	120
75	-3.7	300	-3.88	150
90	-3.7	360	-4.18	180
105	-3.7			210
120	-3.7			240
135	-3.7			270
150	-3.7			300
165	-3.7			330
180	-3.7			360
195	-3.7			
210	-3.7			
225	-3.7			
240	-3.7			
255	-3.7			
270	-3.7			
285	-3.7			
300	-3.7			
315	-3.7			

330	-3.7
345	-3.7
355	-3.7
360	-3.7

2400 Theta Angle (	0	15		
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-3.28	0	-3.8	0
15	-3.28	60	-3.47	30
30	-3.28	120	-3.14	60
45	-3.28	180	-2.85	90
60	-3.28	240	-2.68	120
75	-3.28	300	-3.57	150
90	-3.28	360	-3.8	180
105	-3.28			210
120	-3.28			240
135	-3.28			270
150	-3.28			300
165	-3.28			330
180	-3.28			360
195	-3.28			
210	-3.28			
225	-3.28			
240	-3.28			
255	-3.28			
270	-3.28			
285	-3.28			
300	-3.28			
315	-3.28			
330	-3.28			
345	-3.28			
355	-3.28			
360	-3.28			

2410 Theta Angle (	0	15		
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-3.11	0	-3.65	0
15	-3.11	60	-3.19	30
30	-3.11	120	-2.84	60
45	-3.11	180	-2.67	90
60	-3.11	240	-2.45	120
75	-3.11	300	-3.37	150
90	-3.11	360	-3.65	180

105	-3.11	210
120	-3.11	240
135	-3.11	270
150	-3.11	300
165	-3.11	330
180	-3.11	360
195	-3.11	
210	-3.11	
225	-3.11	
240	-3.11	
255	-3.11	
270	-3.11	
285	-3.11	
300	-3.11	
315	-3.11	
330	-3.11	
345	-3.11	
355	-3.11	
360	-3.11	

2420 Theta Angle (°)	0	15	Phi Angle (∞) Response (d)	Phi Angle (∞) Response (d)	Phi Angle (∞)
0	-3.23	0	-3.73	0	
15	-3.23	60	-3.09	30	
30	-3.23	120	-2.71	60	
45	-3.23	180	-2.67	90	
60	-3.23	240	-2.45	120	
75	-3.23	300	-3.31	150	
90	-3.23	360	-3.73	180	
105	-3.23			210	
120	-3.23			240	
135	-3.23			270	
150	-3.23			300	
165	-3.23			330	
180	-3.23			360	
195	-3.23				
210	-3.23				
225	-3.23				
240	-3.23				
255	-3.23				
270	-3.23				
285	-3.23				
300	-3.23				

315	-3.23
330	-3.23
345	-3.23
355	-3.23
360	-3.23

2430 Theta Angle (	0	15		
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)		
0	-3.47	0	-3.95	0
15	-3.47	60	-3.15	30
30	-3.47	120	-2.74	60
45	-3.47	180	-2.8	90
60	-3.47	240	-2.6	120
75	-3.47	300	-3.37	150
90	-3.47	360	-3.95	180
105	-3.47			210
120	-3.47			240
135	-3.47			270
150	-3.47			300
165	-3.47			330
180	-3.47			360
195	-3.47			
210	-3.47			
225	-3.47			
240	-3.47			
255	-3.47			
270	-3.47			
285	-3.47			
300	-3.47			
315	-3.47			
330	-3.47			
345	-3.47			
355	-3.47			
360	-3.47			

2440 Theta Angle (	0	15		
Phi Angle (∞) Response (d	Phi Angle (∞) Response (d	Phi Angle (∞)		
0	-3.9	0	-4.36	0
15	-3.9	60	-3.46	30
30	-3.9	120	-3.06	60
45	-3.9	180	-3.1	90
60	-3.9	240	-2.99	120
75	-3.9	300	-3.72	150

90	-3.9	360	-4.36	180
105	-3.9			210
120	-3.9			240
135	-3.9			270
150	-3.9			300
165	-3.9			330
180	-3.9			360
195	-3.9			
210	-3.9			
225	-3.9			
240	-3.9			
255	-3.9			
270	-3.9			
285	-3.9			
300	-3.9			
315	-3.9			
330	-3.9			
345	-3.9			
355	-3.9			
360	-3.9			

2450 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-4.35	0	-4.85	0
15	-4.35	60	-3.89	30
30	-4.35	120	-3.49	60
45	-4.35	180	-3.48	90
60	-4.35	240	-3.48	120
75	-4.35	300	-4.18	150
90	-4.35	360	-4.85	180
105	-4.35			210
120	-4.35			240
135	-4.35			270
150	-4.35			300
165	-4.35			330
180	-4.35			360
195	-4.35			
210	-4.35			
225	-4.35			
240	-4.35			
255	-4.35			
270	-4.35			
285	-4.35			

300	-4.35
315	-4.35
330	-4.35
345	-4.35
355	-4.35
360	-4.35

2460 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-4.6	0	-5.24	0
15	-4.6	60	-4.2	30
30	-4.6	120	-3.8	60
45	-4.6	180	-3.77	90
60	-4.6	240	-3.84	120
75	-4.6	300	-4.55	150
90	-4.6	360	-5.24	180
105	-4.6			210
120	-4.6			240
135	-4.6			270
150	-4.6			300
165	-4.6			330
180	-4.6			360
195	-4.6			
210	-4.6			
225	-4.6			
240	-4.6			
255	-4.6			
270	-4.6			
285	-4.6			
300	-4.6			
315	-4.6			
330	-4.6			
345	-4.6			
355	-4.6			
360	-4.6			

2470 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-4.64	0	-5.43	0
15	-4.64	60	-4.25	30
30	-4.64	120	-3.82	60
45	-4.64	180	-3.87	90
60	-4.64	240	-3.97	120

75	-4.64	300	-4.64	150
90	-4.64	360	-5.43	180
105	-4.64			210
120	-4.64			240
135	-4.64			270
150	-4.64			300
165	-4.64			330
180	-4.64			360
195	-4.64			
210	-4.64			
225	-4.64			
240	-4.64			
255	-4.64			
270	-4.64			
285	-4.64			
300	-4.64			
315	-4.64			
330	-4.64			
345	-4.64			
355	-4.64			
360	-4.64			

2480 Theta Angle (°)	0	15	Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-4.95	0	-5.93	0			
15	-4.95	60	-4.58	30			
30	-4.95	120	-4.08	60			
45	-4.95	180	-4.31	90			
60	-4.95	240	-4.4	120			
75	-4.95	300	-4.96	150			
90	-4.95	360	-5.93	180			
105	-4.95			210			
120	-4.95			240			
135	-4.95			270			
150	-4.95			300			
165	-4.95			330			
180	-4.95			360			
195	-4.95						
210	-4.95						
225	-4.95						
240	-4.95						
255	-4.95						
270	-4.95						

285	-4.95
300	-4.95
315	-4.95
330	-4.95
345	-4.95
355	-4.95
360	-4.95

2490 Theta Angle (		0	15	
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-5.52	0	-6.6	0
15	-5.52	60	-5.18	30
30	-5.52	120	-4.63	60
45	-5.52	180	-5.02	90
60	-5.52	240	-5.16	120
75	-5.52	300	-5.5	150
90	-5.52	360	-6.6	180
105	-5.52			210
120	-5.52			240
135	-5.52			270
150	-5.52			300
165	-5.52			330
180	-5.52			360
195	-5.52			
210	-5.52			
225	-5.52			
240	-5.52			
255	-5.52			
270	-5.52			
285	-5.52			
300	-5.52			
315	-5.52			
330	-5.52			
345	-5.52			
355	-5.52			
360	-5.52			

2500 Theta Angle (		0	15	
Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
0	-5.28	0	-6.37	0
15	-5.28	60	-5.05	30
30	-5.28	120	-4.45	60
45	-5.28	180	-4.9	90

60	-5.28	240	-5.21	120
75	-5.28	300	-5.28	150
90	-5.28	360	-6.37	180
105	-5.28			210
120	-5.28			240
135	-5.28			270
150	-5.28			300
165	-5.28			330
180	-5.28			360
195	-5.28			
210	-5.28			
225	-5.28			
240	-5.28			
255	-5.28			
270	-5.28			
285	-5.28			
300	-5.28			
315	-5.28			
330	-5.28			
345	-5.28			
355	-5.28			
360	-5.28			

2510 Theta Angle (°)	0	15		
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-4.95	0	-5.98	0
15	-4.95	60	-4.96	30
30	-4.95	120	-4.38	60
45	-4.95	180	-4.72	90
60	-4.95	240	-5.26	120
75	-4.95	300	-5.18	150
90	-4.95	360	-5.98	180
105	-4.95			210
120	-4.95			240
135	-4.95			270
150	-4.95			300
165	-4.95			330
180	-4.95			360
195	-4.95			
210	-4.95			
225	-4.95			
240	-4.95			
255	-4.95			

270	-4.95
285	-4.95
300	-4.95
315	-4.95
330	-4.95
345	-4.95
355	-4.95
360	-4.95

2520 Theta Angle (		0	15	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-5.34	0	-6.3	0
15	-5.34	60	-5.64	30
30	-5.34	120	-5.12	60
45	-5.34	180	-5.24	90
60	-5.34	240	-5.98	120
75	-5.34	300	-5.92	150
90	-5.34	360	-6.3	180
105	-5.34			210
120	-5.34			240
135	-5.34			270
150	-5.34			300
165	-5.34			330
180	-5.34			360
195	-5.34			
210	-5.34			
225	-5.34			
240	-5.34			
255	-5.34			
270	-5.34			
285	-5.34			
300	-5.34			
315	-5.34			
330	-5.34			
345	-5.34			
355	-5.34			
360	-5.34			

2530 Theta Angle (		0	15	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-5.49	0	-6.42	0
15	-5.49	60	-6.03	30
30	-5.49	120	-5.58	60

45	-5.49	180	-5.52	90
60	-5.49	240	-6.28	120
75	-5.49	300	-6.38	150
90	-5.49	360	-6.42	180
105	-5.49			210
120	-5.49			240
135	-5.49			270
150	-5.49			300
165	-5.49			330
180	-5.49			360
195	-5.49			
210	-5.49			
225	-5.49			
240	-5.49			
255	-5.49			
270	-5.49			
285	-5.49			
300	-5.49			
315	-5.49			
330	-5.49			
345	-5.49			
355	-5.49			
360	-5.49			

Total	Frequency (f)	2350	2360	2370	2380	2390
	Point Values					
	Ant. Port Inpt	0	0	0	0	0
	Tot. Rad. Pwr	-5.89181	-5.54319	-5.60581	-5.05579	-4.68414
	Peak EIRP (dB)	-2.90648	-2.46122	-2.41226	-1.90055	-1.3645
	Directivity (dB)	2.98533	3.08197	3.19355	3.15525	3.31964
	Efficiency (dB)	-5.89181	-5.54319	-5.60581	-5.05579	-4.68414
	Efficiency (%)	25.7525	27.9049	27.5055	31.2191	34.0084
	Gain (dBi)	-2.90648	-2.46122	-2.41226	-1.90055	-1.3645
	NHPRP ±Pi/4	-7.30772	-6.95601	-7.0104	-6.45461	-6.07705
	NHPRP ±Pi/6	-8.81974	-8.4708	-8.52889	-7.97982	-7.60799
	NHPRP ±Pi/8	-9.97577	-9.62867	-9.69105	-9.14748	-8.78081
	Upper Hem. F	-8.90479	-8.58362	-8.66461	-8.11939	-7.75045
	Lower Hem. F	-8.89943	-8.52357	-8.56814	-8.01345	-7.63915
	NHPRP4 / TR	-1.41591	-1.41282	-1.40459	-1.39882	-1.39291
	NHPRP4 / TR	72.1786	72.23	72.3671	72.4633	72.562
	Near Horz. TF	-5.80257	-5.45086	-5.50525	-4.94946	-4.5719
	NHPRP6 / TR	-2.92794	-2.92761	-2.92308	-2.92403	-2.92385
	NHPRP6 / TR	50.9573	50.9611	51.0143	51.0032	51.0053

Near Horz. TF	-5.80944	-5.4605	-5.51859	-4.96952	-4.59769
NHPRP8 / TRP	-4.08396	-4.08547	-4.08525	-4.09169	-4.09667
NHPRP8 / TRP	39.0485	39.0349	39.0369	38.9791	38.9344
Near Horz. TF	-5.80416	-5.45706	-5.51945	-4.97588	-4.60921
UHPRP / TRP	-3.01298	-3.04043	-3.0588	-3.06359	-3.06631
UHPRP / TRP	49.9692	49.6543	49.4447	49.3902	49.3593
Upper Hem.T	-5.89449	-5.57332	-5.65431	-5.10909	-4.74015
LHPRP / TRP	-3.00762	-2.98038	-2.96233	-2.95765	-2.955
LHPRP / TRP	50.0308	50.3457	50.5553	50.6098	50.6407
Lower Hem. T	-5.88913	-5.51327	-5.55784	-5.00315	-4.62885
PRP (dBm) (tl	-6.91811	-6.58048	-6.65105	-6.10368	-5.73173
Front/Back R	6.65074	5.33362	5.23928	4.88142	4.67338
Phi BW (∞)	139	139	138	140	139
#NAME?	43	30	29	30	29
#NAME?	96	109	109	110	110
Theta BW (∞)	68	56	54	55	53
#NAME?	26	24	23	24	24
#NAME?	42	32	31	31	29
Boresight Phi	250.4	266	266	266	266
Boresight Th.	105	105	105	105	105
Maximum Pow	-2.90648	-2.46122	-2.41226	-1.90055	-1.3645
Minimum Pov	-16.4083	-16.6705	-16.987	-16.2602	-15.6551
Average Powe	-5.88335	-5.55341	-5.61839	-5.06043	-4.67554
Max/Min Rati	13.5019	14.2093	14.5747	14.3597	14.2906
Max/Avg Rati	2.97687	3.09219	3.20613	3.15988	3.31104
Min/Avg Ratic	-10.525	-11.1171	-11.3686	-11.1998	-10.9796
Minimum Gai	-16.4083	-16.6705	-16.987	-16.2602	-15.6551
Maximum Ga	-2.90648	-2.46122	-2.41226	-1.90055	-1.3645
Average Gain	-5.89181	-5.54319	-5.60581	-5.05579	-4.68414
E-Plane BW (	104	51	50	51	49
#NAME?	69	27	27	27	26
#NAME?	35	24	23	24	23
H-Plane BW (	115	127	126	129	126
#NAME?	36	29	28	30	29
#NAME?	79	98	98	99	97

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-13.27	0	-11.55	0	-7.95	0	-7.41	
-13.77	21.1	-18.94	18	-13.53	15.6	-8.34	
-6.94	42.3	-11.52	36	-16.9	31.3	-10.36	
-5.25	63.5	-7.56	54	-12.26	46.9	-12.2	
-5.41	84.7	-5.94	72	-9.45	62.6	-12.13	
-7.91	105.8	-5.51	90	-8.02	78.2	-11.25	
-15.06	127	-6.42	108	-7.95	93.9	-11.12	
-24.86	148.2	-9.37	126	-9.94	109.5	-12.52	
-12.31	169.4	-16.17	144	-15.54	125.2	-17.08	
-6.93	190.5	-20.5	162	-17.95	140.8	-30.64	
-4.47	211.7	-17	180	-13.62	156.5	-16.69	
-5.26	232.9	-17.1	198	-11.76	172.1	-11.6	
-13.27	254.1	-13.63	216	-10.78	187.8	-8.82	
	275.2	-8.89	234	-11.42	203.4	-7.39	
	296.4	-5.83	252	-13.93	219.1	-7.33	
	317.6	-4.61	270	-18.63	234.7	-7.78	
	338.8	-5.75	288	-14.46	250.4	-8.39	
	360	-11.55	306	-8.71	266	-9.98	
			324	-6.01	281.7	-13.79	
			342	-5.63	297.3	-25.08	
			360	-7.95	313	-16.53	
					328.6	-10.18	
					344.3	-7.66	
					360	-7.41	

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-13.4	0	-11.49	0	-7.68	0	-7.17	
-13.45	21.1	-19.7	18	-13.62	15.6	-8.15	
-6.68	42.3	-11.15	36	-17.11	31.3	-10.38	
-4.94	63.5	-7.16	54	-11.98	46.9	-12.42	
-5.02	84.7	-5.57	72	-9.14	62.6	-12.31	
-7.26	105.8	-5.13	90	-7.63	78.2	-11.34	
-13.93	127	-5.96	108	-7.49	93.9	-11.15	
-26.28	148.2	-8.71	126	-9.33	109.5	-12.52	
-12.21	169.4	-15.03	144	-14.58	125.2	-17.08	

-6.72	190.5	-20.28	162	-16.86	140.8	-27.52
-4.19	211.7	-16.95	180	-12.87	156.5	-15.8
-5.08	232.9	-17.18	198	-11.29	172.1	-11.05
-13.4	254.1	-13.42	216	-10.51	187.8	-8.39
	275.2	-8.43	234	-11.37	203.4	-6.99
	296.4	-5.36	252	-14.23	219.1	-7.01
	317.6	-4.19	270	-19.31	234.7	-7.5
	338.8	-5.41	288	-13.92	250.4	-8.17
	360	-11.49	306	-8.2	266	-9.72
			324	-5.56	281.7	-13.49
			342	-5.24	297.3	-22.74
			360	-7.68	313	-15.79
					328.6	-9.77
					344.3	-7.35
					360	-7.17

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-13.85	0	-11.86	0	-7.87	0	-7.42
-13.73	21.1	-20.67	18	-14.12	15.6	-8.46
-6.94	42.3	-11.27	36	-17.53	31.3	-10.87
-5.14	63.5	-7.29	54	-12.08	46.9	-13.14
-5.06	84.7	-5.71	72	-9.19	62.6	-12.93
-7.11	105.8	-5.26	90	-7.66	78.2	-11.79
-13.27	127	-5.98	108	-7.45	93.9	-11.51
-27.08	148.2	-8.54	126	-9.18	109.5	-12.86
-12.61	169.4	-14.45	144	-14.17	125.2	-17.36
-6.98	190.5	-20.04	162	-16.3	140.8	-25.74
-4.56	211.7	-17.18	180	-12.54	156.5	-15.44
-5.33	232.9	-17.54	198	-11.2	172.1	-10.94
-13.85	254.1	-13.7	216	-10.63	187.8	-8.41
	275.2	-8.48	234	-11.68	203.4	-7.08
	296.4	-5.36	252	-14.92	219.1	-7.13
	317.6	-4.24	270	-20.29	234.7	-7.7
	338.8	-5.55	288	-13.81	250.4	-8.37
	360	-11.86	306	-8.14	266	-9.85
			324	-5.58	281.7	-13.38
			342	-5.32	297.3	-21.03
			360	-7.87	313	-15.71
					328.6	-9.97
					344.3	-7.55

360 -7.42

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-13.67	0	-11.58	0	-7.49	0	-7.11
-13.34	21.1	-20.94	18	-14.06	15.6	-8.19
-6.57	42.3	-10.69	36	-17.07	31.3	-10.83
-4.67	63.5	-6.76	54	-11.4	46.9	-13.26
-4.47	84.7	-5.2	72	-8.55	62.6	-12.78
-6.35	105.8	-4.73	90	-7	78.2	-11.46
-12.15	127	-5.37	108	-6.74	93.9	-11.07
-25.26	148.2	-7.77	126	-8.4	109.5	-12.36
-12.25	169.4	-13.34	144	-13.22	125.2	-16.85
-6.61	190.5	-19.3	162	-15.32	140.8	-23.76
-4.08	211.7	-16.58	180	-11.63	156.5	-14.48
-4.99	232.9	-17.08	198	-10.52	172.1	-10.26
-13.67	254.1	-13.26	216	-10.16	187.8	-7.82
	275.2	-7.93	234	-11.43	203.4	-6.53
	296.4	-4.77	252	-14.95	219.1	-6.67
	317.6	-3.7	270	-20.57	234.7	-7.33
	338.8	-5.05	288	-13.09	250.4	-8
	360	-11.58	306	-7.51	266	-9.36
			324	-4.99	281.7	-12.67
			342	-4.79	297.3	-19.1
			360	-7.49	313	-15.11
					328.6	-9.58
					344.3	-7.21
					360	-7.11

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-13.68	0	-11.55	0	-7.38	0	-7.04
-13.01	21.1	-21.17	18	-14.42	15.6	-8.21
-6.28	42.3	-10.23	36	-16.61	31.3	-11.06
-4.32	63.5	-6.34	54	-10.84	46.9	-13.69
-4.04	84.7	-4.83	72	-8.01	62.6	-12.81
-5.83	105.8	-4.36	90	-6.49	78.2	-11.25
-11.4	127	-4.93	108	-6.22	93.9	-10.72
-23.07	148.2	-7.19	126	-7.86	109.5	-11.93

-11.84	169.4	-12.57	144	-12.56	125.2	-16.33
-6.3	190.5	-18.88	162	-14.74	140.8	-22.27
-3.86	211.7	-16.21	180	-11.09	156.5	-13.79
-4.84	232.9	-16.65	198	-10.15	172.1	-9.78
-13.68	254.1	-12.9	216	-9.97	187.8	-7.46
	275.2	-7.54	234	-11.43	203.4	-6.23
	296.4	-4.39	252	-15.31	219.1	-6.48
	317.6	-3.34	270	-20.63	234.7	-7.25
	338.8	-4.76	288	-12.54	250.4	-7.89
	360	-11.55	306	-7.11	266	-9.13
			324	-4.66	281.7	-12.17
			342	-4.52	297.3	-17.88
			360	-7.38	313	-14.66
					328.6	-9.42
					344.3	-7.05
					360	-7.04

30		45		60		75
Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d
-13.8	0	-11.58	0	-7.37	0	-6.99
-12.45	21.1	-21.23	18	-15.05	15.6	-8.26
-5.85	42.3	-9.66	36	-16.04	31.3	-11.45
-3.85	63.5	-5.89	54	-10.24	46.9	-14.3
-3.57	84.7	-4.42	72	-7.48	62.6	-12.87
-5.36	105.8	-3.96	90	-5.98	78.2	-11
-10.83	127	-4.48	108	-5.71	93.9	-10.37
-21.48	148.2	-6.63	126	-7.3	109.5	-11.55
-11.31	169.4	-11.78	144	-11.94	125.2	-15.89
-5.93	190.5	-18.65	162	-14.33	140.8	-20.97
-3.64	211.7	-16.02	180	-10.65	156.5	-13.15
-4.65	232.9	-16.33	198	-9.87	172.1	-9.32
-13.8	254.1	-12.44	216	-9.85	187.8	-7.12
	275.2	-7.15	234	-11.49	203.4	-5.96
	296.4	-4.04	252	-15.74	219.1	-6.33
	317.6	-3.03	270	-20.51	234.7	-7.19
	338.8	-4.52	288	-11.9	250.4	-7.77
	360	-11.58	306	-6.69	266	-8.88
			324	-4.36	281.7	-11.69
			342	-4.29	297.3	-16.7
			360	-7.37	313	-14.13
					328.6	-9.17

344.3 -6.9
360 -6.99

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-14.05	0	-11.88	0	-7.54	0	-7.03	
-11.91	21.1	-21.23	18	-16.15	15.6	-8.42	
-5.46	42.3	-9.21	36	-15.53	31.3	-12.06	
-3.5	63.5	-5.54	54	-9.74	46.9	-15.32	
-3.26	84.7	-4.17	72	-7.1	62.6	-13.14	
-5.1	105.8	-3.72	90	-5.64	78.2	-10.91	
-10.53	127	-4.17	108	-5.38	93.9	-10.19	
-20.57	148.2	-6.19	126	-6.9	109.5	-11.31	
-10.95	169.4	-11.12	144	-11.45	125.2	-15.56	
-5.64	190.5	-18.63	162	-14.16	140.8	-19.88	
-3.46	211.7	-16.11	180	-10.44	156.5	-12.64	
-4.56	232.9	-16.27	198	-9.8	172.1	-9.01	
-14.05	254.1	-12.17	216	-9.92	187.8	-6.94	
	275.2	-6.89	234	-11.76	203.4	-5.88	
	296.4	-3.83	252	-16.51	219.1	-6.35	
	317.6	-2.87	270	-20.24	234.7	-7.25	
	338.8	-4.45	288	-11.33	250.4	-7.74	
	360	-11.88	306	-6.36	266	-8.67	
			324	-4.17	281.7	-11.22	
			342	-4.22	297.3	-15.56	
			360	-7.54	313	-13.58	
					328.6	-9	
					344.3	-6.82	
					360	-7.03	

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-14.47	0	-12.38	0	-7.86	0	-7.08	
-11.44	21.1	-21.14	18	-17.67	15.6	-8.59	
-5.2	42.3	-8.91	36	-15.12	31.3	-12.8	
-3.34	63.5	-5.38	54	-9.44	46.9	-16.78	
-3.15	84.7	-4.11	72	-6.91	62.6	-13.52	
-5	105.8	-3.67	90	-5.5	78.2	-11.02	
-10.4	127	-4.04	108	-5.2	93.9	-10.21	

-20.18	148.2	-5.9	126	-6.63	109.5	-11.3
-10.75	169.4	-10.58	144	-11.06	125.2	-15.45
-5.55	190.5	-18.49	162	-14.18	140.8	-19.23
-3.44	211.7	-16.33	180	-10.41	156.5	-12.34
-4.59	232.9	-16.41	198	-9.86	172.1	-8.86
-14.47	254.1	-12.06	216	-10.15	187.8	-6.91
	275.2	-6.82	234	-12.19	203.4	-5.95
	296.4	-3.78	252	-17.56	219.1	-6.49
	317.6	-2.89	270	-20	234.7	-7.37
	338.8	-4.57	288	-10.89	250.4	-7.72
	360	-12.38	306	-6.16	266	-8.44
			324	-4.1	281.7	-10.62
			342	-4.26	297.3	-14.37
			360	-7.86	313	-13.05
					328.6	-8.88
					344.3	-6.79
					360	-7.08

	30		45		60		75
	Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
	-14.96	0	-13.04	0	-8.26	0	-7.14
	-11.1	21.1	-20.75	18	-19.64	15.6	-8.74
	-5.09	42.3	-8.69	36	-14.76	31.3	-13.48
	-3.34	63.5	-5.35	54	-9.23	46.9	-18.56
	-3.18	84.7	-4.18	72	-6.84	62.6	-14.06
	-5.02	105.8	-3.73	90	-5.46	78.2	-11.23
	-10.42	127	-4	108	-5.13	93.9	-10.36
	-19.94	148.2	-5.71	126	-6.45	109.5	-11.4
	-10.65	169.4	-10.14	144	-10.72	125.2	-15.48
	-5.56	190.5	-18.31	162	-14.27	140.8	-18.88
	-3.5	211.7	-16.6	180	-10.51	156.5	-12.15
	-4.72	232.9	-16.61	198	-10.03	172.1	-8.83
	-14.96	254.1	-12	216	-10.51	187.8	-7.02
		275.2	-6.84	234	-12.75	203.4	-6.14
		296.4	-3.84	252	-18.86	219.1	-6.71
		317.6	-3.01	270	-19.82	234.7	-7.52
		338.8	-4.81	288	-10.61	250.4	-7.7
		360	-13.04	306	-6.03	266	-8.17
				324	-4.1	281.7	-10.03
				342	-4.36	297.3	-13.34
				360	-8.26	313	-12.69

328.6	-8.91
344.3	-6.83
360	-7.14

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-15.86	0	-13.98	0	-8.84	0	-7.38	
-11.01	21.1	-20.39	18	-22.3	15.6	-9.01	
-5.26	42.3	-8.74	36	-14.66	31.3	-14.2	
-3.64	63.5	-5.57	54	-9.3	46.9	-20.88	
-3.5	84.7	-4.5	72	-7.06	62.6	-14.76	
-5.3	105.8	-4.03	90	-5.71	78.2	-11.69	
-10.63	127	-4.18	108	-5.31	93.9	-10.75	
-19.96	148.2	-5.72	126	-6.51	109.5	-11.77	
-10.78	169.4	-9.93	144	-10.62	125.2	-15.77	
-5.82	190.5	-18.41	162	-14.57	140.8	-18.99	
-3.83	211.7	-17.17	180	-10.87	156.5	-12.34	
-5.13	232.9	-16.95	198	-10.5	172.1	-9.11	
-15.86	254.1	-12.2	216	-11.13	187.8	-7.42	
	275.2	-7.07	234	-13.61	203.4	-6.58	
	296.4	-4.12	252	-20.42	219.1	-7.16	
	317.6	-3.37	270	-19.79	234.7	-7.91	
	338.8	-5.25	288	-10.69	250.4	-7.88	
	360	-13.98	306	-6.21	266	-8.06	
			324	-4.36	281.7	-9.67	
			342	-4.69	297.3	-12.68	
			360	-8.84	313	-12.73	
					328.6	-9.24	
					344.3	-7.14	
					360	-7.38	

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-17.07	0	-15.06	0	-9.5	0	-7.77	
-11.05	21.1	-19.94	18	-25.25	15.6	-9.4	
-5.6	42.3	-8.9	36	-14.71	31.3	-14.94	
-4.08	63.5	-5.93	54	-9.6	46.9	-23.51	
-3.92	84.7	-4.94	72	-7.43	62.6	-15.46	
-5.63	105.8	-4.42	90	-6.07	78.2	-12.19	

-10.95	127	-4.43	108	-5.6	93.9	-11.22
-20.14	148.2	-5.81	126	-6.69	109.5	-12.18
-11	169.4	-9.81	144	-10.6	125.2	-16.09
-6.21	190.5	-18.58	162	-15.02	140.8	-19.27
-4.33	211.7	-18.11	180	-11.36	156.5	-12.75
-5.73	232.9	-17.5	198	-11.08	172.1	-9.57
-17.07	254.1	-12.49	216	-11.88	187.8	-7.99
	275.2	-7.45	234	-14.57	203.4	-7.19
	296.4	-4.56	252	-22.18	219.1	-7.79
	317.6	-3.84	270	-20.05	234.7	-8.45
	338.8	-5.82	288	-11.04	250.4	-8.18
	360	-15.06	306	-6.57	266	-8.15
			324	-4.76	281.7	-9.51
			342	-5.16	297.3	-12.4
			360	-9.5	313	-13.08
					328.6	-9.83
					344.3	-7.62
					360	-7.77

30	45	60	75
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-18.62	0	-16.17	0
-10.98	21.1	-19.29	18
-5.89	42.3	-8.96	36
-4.45	63.5	-6.17	54
-4.24	84.7	-5.27	72
-5.88	105.8	-4.69	90
-11.17	127	-4.55	108
-20.25	148.2	-5.79	126
-11.09	169.4	-9.57	144
-6.53	190.5	-18.55	162
-4.76	211.7	-19.31	180
-6.31	232.9	-18.01	198
-18.62	254.1	-12.7	216
	275.2	-7.77	234
	296.4	-4.95	252
	317.6	-4.27	270
	338.8	-6.32	288
	360	-16.17	306
			324
			342

360	-10.07	313	-13.54
		328.6	-10.44
		344.3	-8.06
		360	-8.12

30		45		60		75
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-20.54	0	-17.08	0	-10.42	0	-8.27
-10.66	21.1	-18.3	18	-29.49	15.6	-10
-5.91	42.3	-8.74	36	-14.5	31.3	-16.18
-4.56	63.5	-6.15	54	-9.87	46.9	-28.62
-4.3	84.7	-5.32	72	-7.77	62.6	-15.83
-5.87	105.8	-4.68	90	-6.39	78.2	-12.63
-11.14	127	-4.42	108	-5.83	93.9	-11.73
-20.34	148.2	-5.54	126	-6.73	109.5	-12.58
-10.9	169.4	-9.06	144	-10.22	125.2	-16.19
-6.59	190.5	-17.72	162	-15.29	140.8	-19.4
-4.99	211.7	-20.68	180	-11.96	156.5	-13.23
-6.73	232.9	-18.45	198	-11.9	172.1	-10.24
-20.54	254.1	-12.72	216	-13.11	187.8	-8.9
	275.2	-7.85	234	-16.23	203.4	-8.16
	296.4	-5.11	252	-24.82	219.1	-8.78
	317.6	-4.47	270	-19.93	234.7	-9.13
	338.8	-6.61	288	-11.51	250.4	-8.35
	360	-17.08	306	-7.12	266	-8.02
			324	-5.32	281.7	-9.21
			342	-5.77	297.3	-12.04
			360	-10.42	313	-13.83
					328.6	-10.76
					344.3	-8.25
					360	-8.27

30		45		60		75
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-23.43	0	-18.52	0	-11.1	0	-8.63
-10.59	21.1	-17.58	18	-30.51	15.6	-10.48
-6.19	42.3	-8.77	36	-14.49	31.3	-17.1
-4.91	63.5	-6.37	54	-10.08	46.9	-29.3
-4.61	84.7	-5.61	72	-8.03	62.6	-15.85

-6.1	105.8	-4.94	90	-6.67	78.2	-12.9
-11.35	127	-4.57	108	-6.11	93.9	-12.05
-20.96	148.2	-5.54	126	-6.92	109.5	-12.82
-10.98	169.4	-8.75	144	-10.15	125.2	-16.27
-6.94	190.5	-16.67	162	-15.33	140.8	-19.67
-5.49	211.7	-22.41	180	-12.33	156.5	-13.62
-7.45	232.9	-19.39	198	-12.4	172.1	-10.74
-23.43	254.1	-13.03	216	-13.88	187.8	-9.57
	275.2	-8.16	234	-17.29	203.4	-8.87
	296.4	-5.53	252	-26.22	219.1	-9.42
	317.6	-4.96	270	-19.66	234.7	-9.47
	338.8	-7.18	288	-11.78	250.4	-8.49
	360	-18.52	306	-7.49	266	-8.12
			324	-5.75	281.7	-9.26
			342	-6.27	297.3	-12.15
			360	-11.1	313	-14.33
					328.6	-11.24
					344.3	-8.62
					360	-8.63

	30		45		60		75
	Response (d|	Phi Angle (∞)	Response (d|	Phi Angle (∞)	Response (d|	Phi Angle (∞)	Response (d|
	-27.28	0	-20.46	0	-12.12	0	-9.22
	-10.87	21.1	-17.07	18	-30.87	15.6	-11.17
	-6.77	42.3	-9.07	36	-14.57	31.3	-18.32
	-5.55	63.5	-6.86	54	-10.46	46.9	-27.4
	-5.19	84.7	-6.21	72	-8.53	62.6	-16
	-6.59	105.8	-5.5	90	-7.22	78.2	-13.33
	-11.76	127	-5.01	108	-6.65	93.9	-12.62
	-21.86	148.2	-5.82	126	-7.35	109.5	-13.31
	-11.39	169.4	-8.71	144	-10.34	125.2	-16.63
	-7.54	190.5	-15.77	162	-15.52	140.8	-20.16
	-6.26	211.7	-23.83	180	-12.97	156.5	-14.36
	-8.43	232.9	-20.81	198	-13.14	172.1	-11.48
	-27.28	254.1	-13.73	216	-14.97	187.8	-10.5
		275.2	-8.74	234	-18.81	203.4	-9.85
		296.4	-6.18	252	-28.03	219.1	-10.25
		317.6	-5.71	270	-19.52	234.7	-9.98
		338.8	-8.06	288	-12.17	250.4	-8.85
		360	-20.46	306	-8.05	266	-8.41
				324	-6.41	281.7	-9.55

342	-7.03	297.3	-12.47
360	-12.12	313	-14.98
		328.6	-11.85
		344.3	-9.16
		360	-9.22

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-30.2	0	-21.92	0	-12.48	0	-8.97
-10.46	21.1	-15.99	18	-28.18	15.6	-11.01
-6.64	42.3	-8.65	36	-13.73	31.3	-18.52
-5.5	63.5	-6.63	54	-9.99	46.9	-24.14
-5.02	84.7	-6.06	72	-8.2	62.6	-15.35
-6.31	105.8	-5.28	90	-7.02	78.2	-13.05
-11.39	127	-4.71	108	-6.46	93.9	-12.36
-21.87	148.2	-5.39	126	-7.05	109.5	-13.02
-11.04	169.4	-7.97	144	-9.82	125.2	-16.09
-7.34	190.5	-14.27	162	-15.01	140.8	-19.8
-6.27	211.7	-23.41	180	-12.88	156.5	-14.33
-8.69	232.9	-21.57	198	-13.17	172.1	-11.48
-30.2	254.1	-13.73	216	-15.43	187.8	-10.71
	275.2	-8.56	234	-19.77	203.4	-10.1
	296.4	-6.07	252	-28.55	219.1	-10.23
	317.6	-5.71	270	-18.53	234.7	-9.7
	338.8	-8.24	288	-11.76	250.4	-8.4
	360	-21.92	306	-7.82	266	-7.94
			324	-6.31	281.7	-9.05
			342	-7.06	297.3	-12.03
			360	-12.48	313	-14.76
					328.6	-11.7
					344.3	-8.92
					360	-8.97

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-29.21	0	-23.09	0	-12.88	0	-8.84
-10.19	21.1	-14.99	18	-24.83	15.6	-10.91
-6.67	42.3	-8.32	36	-13.04	31.3	-18.38
-5.57	63.5	-6.52	54	-9.6	46.9	-21.59

-4.96	84.7	-6.02	72	-7.99	62.6	-14.81
-6.14	105.8	-5.21	90	-6.92	78.2	-12.85
-11.17	127	-4.56	108	-6.39	93.9	-12.29
-21.88	148.2	-5.09	126	-6.9	109.5	-12.85
-10.77	169.4	-7.48	144	-9.48	125.2	-15.65
-7.21	190.5	-13.18	162	-14.64	140.8	-19.55
-6.38	211.7	-22.32	180	-12.98	156.5	-14.39
-9.04	232.9	-22.38	198	-13.31	172.1	-11.56
-29.21	254.1	-13.92	216	-16.07	187.8	-10.98
	275.2	-8.58	234	-21.14	203.4	-10.41
	296.4	-6.07	252	-28.5	219.1	-10.27
	317.6	-5.8	270	-17.77	234.7	-9.5
	338.8	-8.51	288	-11.47	250.4	-8.14
	360	-23.09	306	-7.67	266	-7.63
			324	-6.3	281.7	-8.75
			342	-7.16	297.3	-11.73
			360	-12.88	313	-14.78
					328.6	-11.71
					344.3	-8.84
					360	-8.84

30	45	60	75			
Response (d Phi Angle (∞)	Response (d Phi Angle (∞)	Response (d Phi Angle (∞)	Response (d Phi Angle (∞)			
-26.24	0	-23.67	0	-14.08	0	-9.55
-10.83	21.1	-14.98	18	-23.2	15.6	-11.64
-7.55	42.3	-8.9	36	-13.19	31.3	-18.74
-6.43	63.5	-7.26	54	-10.05	46.9	-20.41
-5.7	84.7	-6.84	72	-8.64	62.6	-15.11
-6.84	105.8	-6	90	-7.75	78.2	-13.52
-11.86	127	-5.29	108	-7.22	93.9	-13.09
-22.6	148.2	-5.72	126	-7.63	109.5	-13.56
-11.32	169.4	-7.96	144	-10.02	125.2	-16.12
-7.84	190.5	-13.21	162	-15.06	140.8	-19.78
-7.23	211.7	-22.05	180	-13.88	156.5	-15.22
-10.1	232.9	-23.84	198	-14.25	172.1	-12.4
-26.24	254.1	-15.08	216	-17.58	187.8	-11.98
	275.2	-9.51	234	-23.49	203.4	-11.46
	296.4	-6.93	252	-28.53	219.1	-11.12
	317.6	-6.72	270	-17.99	234.7	-10.15
	338.8	-9.52	288	-12.05	250.4	-8.75
	360	-23.67	306	-8.39	266	-8.23

324	-7.11	281.7	-9.34
342	-8.08	297.3	-12.46
360	-14.08	313	-15.84
		328.6	-12.65
		344.3	-9.6
		360	-9.55

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-23.86	0	-22.98	0	-15	0	-10.04	
-11.16	21.1	-14.88	18	-21.74	15.6	-12.2	
-8.09	42.3	-9.22	36	-13.18	31.3	-18.77	
-6.98	63.5	-7.74	54	-10.32	46.9	-19.31	
-6.16	84.7	-7.37	72	-9.12	62.6	-15.18	
-7.33	105.8	-6.55	90	-8.41	78.2	-13.9	
-12.44	127	-5.81	108	-7.88	93.9	-13.62	
-23.14	148.2	-6.18	126	-8.19	109.5	-14.02	
-11.63	169.4	-8.3	144	-10.37	125.2	-16.34	
-8.15	190.5	-13.24	162	-15.23	140.8	-19.64	
-7.7	211.7	-21.66	180	-14.5	156.5	-15.66	
-10.71	232.9	-24.67	198	-14.92	172.1	-12.8	
-23.86	254.1	-15.93	216	-18.84	187.8	-12.59	
	275.2	-10.24	234	-25.87	203.4	-12.2	
	296.4	-7.57	252	-27.82	219.1	-11.73	
	317.6	-7.31	270	-18.03	234.7	-10.64	
	338.8	-10.15	288	-12.44	250.4	-9.2	
	360	-22.98	306	-8.9	266	-8.65	
			324	-7.72	281.7	-9.79	
			342	-8.77	297.3	-13.03	
			360	-15	313	-16.73	
					328.6	-13.29	
					344.3	-10.12	
					360	-10.04	

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-5.17	0	-5.41	0	-6.37	0	-7.41	
-5.79	21.1	-5.44	18	-6.83	15.6	-7.12	

-10.13	42.3	-7.9	36	-9.38	31.3	-9.1
-16.81	63.5	-12.37	54	-12.54	46.9	-13.71
-13.64	84.7	-14.94	72	-13.38	62.6	-15.65
-8.18	105.8	-13.7	90	-13.03	78.2	-12.36
-5.48	127	-10.93	108	-13.08	93.9	-10.53
-5.05	148.2	-8	126	-12.04	109.5	-9.97
-5.89	169.4	-6.09	144	-9.89	125.2	-9.51
-8.83	190.5	-5.53	162	-8.35	140.8	-8.54
-22.37	211.7	-5.82	180	-7.38	156.5	-7.47
-11.43	232.9	-6.01	198	-7.03	172.1	-6.91
-5.17	254.1	-6.5	216	-6.78	187.8	-6.98
	275.2	-8.53	234	-6.8	203.4	-7.25
	296.4	-14.89	252	-7.23	219.1	-7.27
	317.6	-21	270	-8.33	234.7	-7.27
	338.8	-9.03	288	-11.11	250.4	-7.06
	360	-5.41	306	-19.72	266	-7.65
			324	-17.3	281.7	-9.8
			342	-10.02	297.3	-14.63
			360	-6.37	313	-31.85
					328.6	-15.71
					344.3	-10.03
					360	-7.41

30	45	60	75
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-5.01	0	-5.31	0
-5.63	21.1	-5.36	18
-9.95	42.3	-7.89	36
-16.1	63.5	-12.25	54
-13.49	84.7	-14.07	72
-8.1	105.8	-12.9	90
-5.23	127	-10.7	108
-4.69	148.2	-7.92	126
-5.48	169.4	-5.94	144
-8.4	190.5	-5.24	162
-21.03	211.7	-5.43	180
-11.34	232.9	-5.56	198
-5.01	254.1	-6.01	216
	275.2	-7.98	234
	296.4	-14.13	252
	317.6	-21.82	270

338.8	-9	288	-10.79	250.4	-6.69
360	-5.31	306	-19.16	266	-7.31
		324	-16.99	281.7	-9.49
		342	-9.83	297.3	-14.44
		360	-6.23	313	-33.8
				328.6	-15.5
				344.3	-9.86
				360	-7.26

30		45		60		75
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-5.19	0	-5.57	0	-6.37	0	-7.5
-5.84	21.1	-5.63	18	-6.91	15.6	-7.33
-10.12	42.3	-8.26	36	-9.56	31.3	-9.63
-15.69	63.5	-12.42	54	-12.6	46.9	-14.72
-13.73	84.7	-13.53	72	-12.64	62.6	-14.54
-8.38	105.8	-12.57	90	-11.92	78.2	-10.78
-5.35	127	-10.86	108	-12.06	93.9	-9.09
-4.71	148.2	-8.21	126	-11.55	109.5	-8.81
-5.47	169.4	-6.15	144	-9.67	125.2	-8.89
-8.35	190.5	-5.33	162	-8.09	140.8	-8.4
-20.08	211.7	-5.41	180	-7.02	156.5	-7.43
-11.56	232.9	-5.48	198	-6.54	172.1	-6.75
-5.19	254.1	-5.92	216	-6.23	187.8	-6.67
	275.2	-7.84	234	-6.27	203.4	-6.83
	296.4	-13.75	252	-6.79	219.1	-6.81
	317.6	-23.12	270	-7.99	234.7	-6.84
	338.8	-9.35	288	-10.82	250.4	-6.7
	360	-5.57	306	-18.82	266	-7.35
			324	-16.71	281.7	-9.56
			342	-9.87	297.3	-14.5
			360	-6.37	313	-36.92
					328.6	-15.72
					344.3	-10.07
					360	-7.5

30		45		60		75
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-4.7	0	-5.21	0	-5.87	0	-7.18

-5.4	21.1	-5.3	18	-6.5	15.6	-7.04
-9.65	42.3	-8.01	36	-9.25	31.3	-9.6
-14.69	63.5	-11.89	54	-12.23	46.9	-14.85
-13.35	84.7	-12.44	72	-11.78	62.6	-13.37
-8	105.8	-11.67	90	-10.93	78.2	-9.54
-4.83	127	-10.44	108	-11.12	93.9	-7.98
-4.12	148.2	-7.9	126	-10.87	109.5	-7.85
-4.87	169.4	-5.73	144	-9.1	125.2	-8.13
-7.79	190.5	-4.75	162	-7.51	140.8	-7.87
-18.78	211.7	-4.75	180	-6.39	156.5	-6.95
-10.94	232.9	-4.77	198	-5.89	172.1	-6.22
-4.7	254.1	-5.19	216	-5.55	187.8	-6.1
	275.2	-7.07	234	-5.6	203.4	-6.21
	296.4	-12.75	252	-6.16	219.1	-6.16
	317.6	-24.03	270	-7.4	234.7	-6.23
	338.8	-9.08	288	-10.27	250.4	-6.11
	360	-5.21	306	-17.96	266	-6.77
			324	-15.81	281.7	-9
			342	-9.28	297.3	-13.97
			360	-5.87	313	-37.07
					328.6	-15.41
					344.3	-9.75
					360	-7.18

30		45		60		75
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
-4.37	0	-5.06	0	-5.56	0	-7.11
-5.16	21.1	-5.17	18	-6.28	15.6	-6.99
-9.34	42.3	-7.97	36	-9.17	31.3	-9.79
-13.86	63.5	-11.52	54	-11.93	46.9	-15.08
-13.15	84.7	-11.59	72	-11	62.6	-12.27
-7.79	105.8	-11.01	90	-10.03	78.2	-8.49
-4.49	127	-10.2	108	-10.29	93.9	-7.05
-3.7	148.2	-7.82	126	-10.31	109.5	-7.05
-4.47	169.4	-5.51	144	-8.7	125.2	-7.55
-7.42	190.5	-4.38	162	-7.08	140.8	-7.49
-17.96	211.7	-4.27	180	-5.97	156.5	-6.63
-10.43	232.9	-4.26	198	-5.43	172.1	-5.86
-4.37	254.1	-4.64	216	-5.07	187.8	-5.68
	275.2	-6.47	234	-5.12	203.4	-5.77
	296.4	-11.92	252	-5.7	219.1	-5.68

317.6	-25.64	270	-6.99	234.7	-5.78
338.8	-8.99	288	-9.87	250.4	-5.67
360	-5.06	306	-17.25	266	-6.34
		324	-15.04	281.7	-8.59
		342	-8.83	297.3	-13.52
		360	-5.56	313	-33.49
				328.6	-15.42
				344.3	-9.66
				360	-7.11

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-4.05	0	-4.95	0	-5.29	0	-7.09
-4.93	21.1	-5.09	18	-6.11	15.6	-7.04
-9.05	42.3	-7.94	36	-9.1	31.3	-10.07
-13.07	63.5	-11.15	54	-11.56	46.9	-15.22
-12.99	84.7	-10.84	72	-10.22	62.6	-11.15
-7.6	105.8	-10.45	90	-9.18	78.2	-7.51
-4.18	127	-10.07	108	-9.53	93.9	-6.2
-3.3	148.2	-7.81	126	-9.79	109.5	-6.35
-4.06	169.4	-5.33	144	-8.33	125.2	-7.05
-7.07	190.5	-4.04	162	-6.71	140.8	-7.2
-17.26	211.7	-3.85	180	-5.57	156.5	-6.4
-9.87	232.9	-3.8	198	-5.03	172.1	-5.57
-4.05	254.1	-4.15	216	-4.65	187.8	-5.32
	275.2	-5.92	234	-4.68	203.4	-5.38
	296.4	-11.14	252	-5.3	219.1	-5.28
	317.6	-27.07	270	-6.63	234.7	-5.41
	338.8	-8.97	288	-9.53	250.4	-5.32
	360	-4.95	306	-16.53	266	-6.02
			324	-14.25	281.7	-8.3
			342	-8.45	297.3	-13.25
			360	-5.29	313	-29.57
					328.6	-15.42
					344.3	-9.67
					360	-7.09

30	45	60	75
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)

-3.89	0	-5	0	-5.19	0	-7.21
-4.88	21.1	-5.17	18	-6.08	15.6	-7.2
-8.85	42.3	-8.08	36	-9.15	31.3	-10.51
-12.51	63.5	-10.91	54	-11.28	46.9	-15.15
-12.91	84.7	-10.31	72	-9.59	62.6	-10.26
-7.52	105.8	-10.1	90	-8.52	78.2	-6.84
-3.97	127	-10.12	108	-8.97	93.9	-5.64
-3.02	148.2	-7.95	126	-9.48	109.5	-5.88
-3.78	169.4	-5.29	144	-8.16	125.2	-6.76
-6.86	190.5	-3.86	162	-6.51	140.8	-7.11
-16.84	211.7	-3.61	180	-5.35	156.5	-6.36
-9.48	232.9	-3.55	198	-4.79	172.1	-5.45
-3.89	254.1	-3.87	216	-4.39	187.8	-5.11
	275.2	-5.57	234	-4.43	203.4	-5.15
	296.4	-10.59	252	-5.11	219.1	-5.05
	317.6	-26.74	270	-6.5	234.7	-5.24
	338.8	-9.08	288	-9.41	250.4	-5.19
	360	-5	306	-16.04	266	-5.93
			324	-13.64	281.7	-8.26
			342	-8.18	297.3	-13.23
			360	-5.19	313	-26.7
					328.6	-15.35
					344.3	-9.74
					360	-7.21

30	45	60	75
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)
-3.96	0	-5.24	0
-5.01	21.1	-5.46	18
-8.8	42.3	-8.41	36
-12.13	63.5	-10.86	54
-12.96	84.7	-10.06	72
-7.56	105.8	-10.01	90
-3.89	127	-10.38	108
-2.89	148.2	-8.3	126
-3.7	169.4	-5.45	144
-6.83	190.5	-3.9	162
-16.58	211.7	-3.62	180
-9.33	232.9	-3.57	198
-3.96	254.1	-3.87	216
	275.2	-5.55	234

296.4	-10.43	252	-5.14	219.1	-5.06
317.6	-24.51	270	-6.59	234.7	-5.32
338.8	-9.29	288	-9.53	250.4	-5.33
360	-5.24	306	-15.79	266	-6.12
		324	-13.13	281.7	-8.53
		342	-8.08	297.3	-13.58
		360	-5.25	313	-24.86
				328.6	-15.26
				344.3	-9.94
				360	-7.49

30		45		60		75
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
-4.11	0	-5.53	0	-5.45	0	-7.9
-5.22	21.1	-5.78	18	-6.55	15.6	-8.1
-8.79	42.3	-8.74	36	-9.76	31.3	-11.98
-11.86	63.5	-10.9	54	-11.3	46.9	-15.19
-13.03	84.7	-9.93	72	-8.96	62.6	-9.32
-7.59	105.8	-9.99	90	-7.77	78.2	-6.18
-3.84	127	-10.64	108	-8.34	93.9	-5.17
-2.83	148.2	-8.63	126	-9.33	109.5	-5.6
-3.69	169.4	-5.66	144	-8.4	125.2	-6.77
-6.92	190.5	-4.01	162	-6.68	140.8	-7.53
-16.42	211.7	-3.71	180	-5.4	156.5	-6.93
-9.29	232.9	-3.71	198	-4.79	172.1	-5.83
-4.11	254.1	-4.03	216	-4.38	187.8	-5.29
	275.2	-5.71	234	-4.49	203.4	-5.27
	296.4	-10.47	252	-5.3	219.1	-5.2
	317.6	-22.31	270	-6.82	234.7	-5.54
	338.8	-9.5	288	-9.79	250.4	-5.62
	360	-5.53	306	-15.7	266	-6.45
			324	-12.9	281.7	-8.93
			342	-8.14	297.3	-14.03
			360	-5.45	313	-23.73
					328.6	-15.29
					344.3	-10.24
					360	-7.9

30

45

60

75

Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-4.49	0	-6	0	-5.93	0	-8.58	
-5.63	21.1	-6.31	18	-7.17	15.6	-8.92	
-9.01	42.3	-9.34	36	-10.55	31.3	-13.22	
-11.83	63.5	-11.21	54	-11.73	46.9	-15.17	
-13.2	84.7	-10.04	72	-8.97	62.6	-9.03	
-7.8	105.8	-10.12	90	-7.73	78.2	-6.05	
-4	127	-10.99	108	-8.34	93.9	-5.15	
-3	148.2	-9.15	126	-9.55	109.5	-5.67	
-3.91	169.4	-6.09	144	-8.85	125.2	-6.97	
-7.24	190.5	-4.32	162	-7.08	140.8	-7.96	
-16.67	211.7	-4.01	180	-5.75	156.5	-7.46	
-9.47	232.9	-4.05	198	-5.1	172.1	-6.29	
-4.49	254.1	-4.4	216	-4.67	187.8	-5.64	
	275.2	-6.09	234	-4.77	203.4	-5.56	
	296.4	-10.77	252	-5.62	219.1	-5.49	
	317.6	-21	270	-7.17	234.7	-5.87	
	338.8	-9.85	288	-10.13	250.4	-6	
	360	-6	306	-15.73	266	-6.85	
			324	-13.07	281.7	-9.34	
			342	-8.51	297.3	-14.43	
			360	-5.93	313	-23.16	
					328.6	-15.77	
					344.3	-10.83	
					360	-8.58	

30	45	60	75
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-4.96	0	-6.57	0
-6.16	21.1	-6.97	18
-9.36	42.3	-10.14	36
-11.87	63.5	-11.6	54
-13.4	84.7	-10.13	72
-8.09	105.8	-10.2	90
-4.27	127	-11.32	108
-3.27	148.2	-9.79	126
-4.21	169.4	-6.62	144
-7.6	190.5	-4.72	162
-16.93	211.7	-4.36	180
-9.84	232.9	-4.45	198
-4.96	254.1	-4.83	216

275.2	-6.51	234	-5.12	203.4	-5.95
296.4	-11.09	252	-5.96	219.1	-5.8
317.6	-20.09	270	-7.49	234.7	-6.23
338.8	-10.27	288	-10.36	250.4	-6.36
360	-6.57	306	-15.55	266	-7.19
		324	-13.38	281.7	-9.65
		342	-9.07	297.3	-14.49
		360	-6.6	313	-22.26
				328.6	-16.45
				344.3	-11.62
				360	-9.47

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-5.4	0	-7.03	0	-7.22	0	-10.21
-6.62	21.1	-7.59	18	-8.82	15.6	-10.86
-9.61	42.3	-10.92	36	-12.63	31.3	-15.85
-11.76	63.5	-11.72	54	-12.18	46.9	-13.84
-13.43	84.7	-9.93	72	-8.76	62.6	-8.16
-8.34	105.8	-10.04	90	-7.57	78.2	-5.6
-4.46	127	-11.56	108	-8.34	93.9	-4.93
-3.43	148.2	-10.32	126	-10.05	109.5	-5.6
-4.37	169.4	-7.01	144	-9.85	125.2	-7.21
-7.75	190.5	-4.94	162	-8.01	140.8	-8.74
-17	211.7	-4.56	180	-6.57	156.5	-8.6
-10.15	232.9	-4.68	198	-5.9	172.1	-7.32
-5.4	254.1	-5.07	216	-5.39	187.8	-6.43
	275.2	-6.71	234	-5.37	203.4	-6.19
	296.4	-11.13	252	-6.2	219.1	-6.01
	317.6	-19.03	270	-7.68	234.7	-6.44
	338.8	-10.54	288	-10.38	250.4	-6.6
	360	-7.03	306	-14.96	266	-7.38
			324	-13.45	281.7	-9.76
			342	-9.55	297.3	-14.28
			360	-7.22	313	-20.63
					328.6	-16.8
					344.3	-12.27
					360	-10.21

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-5.75	0	-7.31	0	-7.62	0	-10.53	
-6.99	21.1	-8.04	18	-9.39	15.6	-11.37	
-9.61	42.3	-11.41	36	-13.19	31.3	-16.14	
-11.43	63.5	-11.32	54	-11.58	46.9	-12.64	
-13.42	84.7	-9.37	72	-8.17	62.6	-7.47	
-8.49	105.8	-9.68	90	-7.16	78.2	-5.12	
-4.53	127	-11.66	108	-8.06	93.9	-4.54	
-3.43	148.2	-10.7	126	-10.07	109.5	-5.29	
-4.36	169.4	-7.15	144	-10.14	125.2	-7.04	
-7.67	190.5	-4.94	162	-8.21	140.8	-8.89	
-16.44	211.7	-4.53	180	-6.68	156.5	-8.96	
-10.35	232.9	-4.68	198	-6	172.1	-7.57	
-5.75	254.1	-5.11	216	-5.51	187.8	-6.55	
	275.2	-6.7	234	-5.49	203.4	-6.24	
	296.4	-10.94	252	-6.31	219.1	-6.01	
	317.6	-17.59	270	-7.78	234.7	-6.49	
	338.8	-10.55	288	-10.26	250.4	-6.69	
	360	-7.31	306	-14.06	266	-7.46	
			324	-12.95	281.7	-9.8	
			342	-9.64	297.3	-13.94	
			360	-7.62	313	-18.82	
					328.6	-16.29	
					344.3	-12.35	
					360	-10.53	

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-6.42	0	-7.82	0	-8.21	0	-10.92	
-7.64	21.1	-8.72	18	-10.15	15.6	-11.92	
-9.86	42.3	-11.88	36	-13.59	31.3	-16.15	
-11.38	63.5	-11	54	-11.14	46.9	-12.05	
-13.86	84.7	-9.16	72	-7.93	62.6	-7.3	
-8.97	105.8	-9.7	90	-7.09	78.2	-5.11	
-4.91	127	-12.15	108	-8.16	93.9	-4.61	
-3.78	148.2	-11.32	126	-10.48	109.5	-5.44	
-4.72	169.4	-7.54	144	-10.79	125.2	-7.34	
-7.95	190.5	-5.23	162	-8.66	140.8	-9.47	
-15.88	211.7	-4.8	180	-7.01	156.5	-9.7	
-10.75	232.9	-5.04	198	-6.37	172.1	-8.17	

-6.42	254.1	-5.5	216	-5.99	187.8	-7
	275.2	-7.12	234	-6.03	203.4	-6.67
	296.4	-11.23	252	-6.95	219.1	-6.44
	317.6	-16.56	270	-8.43	234.7	-7.02
	338.8	-10.68	288	-10.71	250.4	-7.3
	360	-7.82	306	-13.63	266	-8.11
			324	-12.49	281.7	-10.45
			342	-9.86	297.3	-14.28
			360	-8.21	313	-17.68
					328.6	-15.71
					344.3	-12.41
					360	-10.92

30	45	60	75			
Response (d Phi Angle (∞)	Response (d Phi Angle (∞)	Response (d Phi Angle (∞)	Response (d Phi Angle (∞)			
-7.32	0	-8.52	0	-8.98	0	-11.43
-8.49	21.1	-9.53	18	-11.03	15.6	-12.58
-10.29	42.3	-12.29	36	-14.01	31.3	-16.28
-11.73	63.5	-10.98	54	-11.13	46.9	-12.01
-14.64	84.7	-9.33	72	-8.14	62.6	-7.6
-9.74	105.8	-10.08	90	-7.43	78.2	-5.52
-5.58	127	-12.91	108	-8.63	93.9	-5.08
-4.5	148.2	-12.15	126	-11.18	109.5	-5.95
-5.51	169.4	-8.14	144	-11.66	125.2	-7.99
-8.76	190.5	-5.77	162	-9.28	140.8	-10.39
-15.73	211.7	-5.36	180	-7.51	156.5	-10.77
-11.2	232.9	-5.72	198	-6.97	172.1	-9.06
-7.32	254.1	-6.29	216	-6.76	187.8	-7.74
	275.2	-7.95	234	-6.95	203.4	-7.4
	296.4	-11.97	252	-8.04	219.1	-7.25
	317.6	-16.14	270	-9.59	234.7	-7.93
	338.8	-11.01	288	-11.7	250.4	-8.38
	360	-8.52	306	-13.71	266	-9.23
			324	-12.32	281.7	-11.61
			342	-10.2	297.3	-15.12
			360	-8.98	313	-17.36
					328.6	-15.42
					344.3	-12.59
					360	-11.43

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-7.32	0	-8.42	0	-8.9	0	-11.17	
-8.43	21.1	-9.47	18	-11.02	15.6	-12.5	
-9.91	42.3	-11.8	36	-13.62	31.3	-15.83	
-11.38	63.5	-10.33	54	-10.55	46.9	-11.4	
-14.73	84.7	-8.86	72	-7.74	62.6	-7.19	
-9.62	105.8	-9.78	90	-7.08	78.2	-5.23	
-5.47	127	-12.85	108	-8.37	93.9	-4.81	
-4.49	148.2	-12.06	126	-11.06	109.5	-5.73	
-5.68	169.4	-7.96	144	-11.64	125.2	-7.84	
-9.1	190.5	-5.55	162	-9.09	140.8	-10.47	
-15.16	211.7	-5.18	180	-7.27	156.5	-11.05	
-10.75	232.9	-5.69	198	-6.78	172.1	-9.2	
-7.32	254.1	-6.4	216	-6.73	187.8	-7.71	
	275.2	-8.14	234	-7.12	203.4	-7.38	
	296.4	-12.1	252	-8.38	219.1	-7.29	
	317.6	-15.34	270	-10.08	234.7	-8.12	
	338.8	-10.63	288	-12	250.4	-8.69	
	360	-8.42	306	-13.25	266	-9.59	
			324	-11.56	281.7	-11.98	
			342	-9.74	297.3	-15.23	
			360	-8.9	313	-16.52	
					328.6	-14.56	
					344.3	-12.04	
					360	-11.17	

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-7.14	0	-8.28	0	-8.81	0	-11.01	
-8.23	21.1	-9.32	18	-11.07	15.6	-12.52	
-9.48	42.3	-11.37	36	-13.32	31.3	-15.43	
-11.04	63.5	-9.79	54	-10.1	46.9	-10.77	
-14.6	84.7	-8.41	72	-7.36	62.6	-6.75	
-9.35	105.8	-9.4	90	-6.78	78.2	-4.88	
-5.28	127	-12.54	108	-8.08	93.9	-4.5	
-4.44	148.2	-11.89	126	-10.82	109.5	-5.45	
-5.82	169.4	-7.78	144	-11.59	125.2	-7.61	
-9.54	190.5	-5.31	162	-8.9	140.8	-10.51	
-14.88	211.7	-4.97	180	-7.03	156.5	-11.37	

-10.24	232.9	-5.56	198	-6.58	172.1	-9.33
-7.14	254.1	-6.44	216	-6.67	187.8	-7.68
	275.2	-8.22	234	-7.17	203.4	-7.35
	296.4	-12.11	252	-8.63	219.1	-7.26
	317.6	-14.69	270	-10.51	234.7	-8.2
	338.8	-10.25	288	-12.31	250.4	-8.9
	360	-8.28	306	-12.87	266	-9.81
			324	-10.91	281.7	-12.18
			342	-9.32	297.3	-15.13
			360	-8.81	313	-15.75
					328.6	-13.82
					344.3	-11.59
					360	-11.01

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-7.67	0	-8.87	0	-9.39	0	-11.59
-8.7	21.1	-9.96	18	-11.82	15.6	-13.25
-9.84	42.3	-11.76	36	-13.68	31.3	-15.52
-11.42	63.5	-10.05	54	-10.28	46.9	-10.7
-14.93	84.7	-8.67	72	-7.65	62.6	-6.93
-9.81	105.8	-9.63	90	-7.12	78.2	-5.16
-5.82	127	-12.91	108	-8.44	93.9	-4.84
-5.11	148.2	-12.52	126	-11.25	109.5	-5.82
-6.66	169.4	-8.37	144	-12.29	125.2	-8.06
-10.67	190.5	-5.81	162	-9.5	140.8	-11.28
-15.52	211.7	-5.46	180	-7.5	156.5	-12.45
-10.54	232.9	-6.11	198	-7.03	172.1	-10.17
-7.67	254.1	-7.1	216	-7.18	187.8	-8.28
	275.2	-8.89	234	-7.76	203.4	-7.86
	296.4	-12.62	252	-9.34	219.1	-7.83
	317.6	-14.74	270	-11.48	234.7	-8.82
	338.8	-10.67	288	-13.15	250.4	-9.62
	360	-8.87	306	-13.16	266	-10.56
			324	-11.04	281.7	-12.85
			342	-9.63	297.3	-15.43
			360	-9.39	313	-15.66
					328.6	-13.84
					344.3	-11.85
					360	-11.59

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-7.84	0	-9.18	0	-9.65	0	-11.87	
-8.83	21.1	-10.33	18	-12.13	15.6	-13.55	
-9.85	42.3	-11.86	36	-13.55	31.3	-15.06	
-11.37	63.5	-9.94	54	-10.03	46.9	-10.31	
-14.79	84.7	-8.59	72	-7.56	62.6	-6.78	
-9.99	105.8	-9.6	90	-7.13	78.2	-5.13	
-6.07	127	-13.06	108	-8.49	93.9	-4.87	
-5.41	148.2	-13.04	126	-11.43	109.5	-5.89	
-7.05	169.4	-8.74	144	-12.8	125.2	-8.26	
-11.39	190.5	-6.05	162	-9.86	140.8	-11.79	
-15.99	211.7	-5.7	180	-7.67	156.5	-13.3	
-10.64	232.9	-6.36	198	-7.15	172.1	-10.65	
-7.84	254.1	-7.42	216	-7.31	187.8	-8.51	
	275.2	-9.17	234	-7.95	203.4	-8.03	
	296.4	-12.6	252	-9.64	219.1	-8.03	
	317.6	-14.33	270	-11.98	234.7	-9.11	
	338.8	-10.72	288	-13.66	250.4	-10.04	
	360	-9.18	306	-13.13	266	-10.99	
			324	-10.95	281.7	-13.12	
			342	-9.66	297.3	-15.33	
			360	-9.65	313	-15.24	
					328.6	-13.58	
					344.3	-11.83	
					360	-11.87	

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-4.55	0	-4.47	0	-4.08	0	-4.4	
-5.15	21.1	-5.25	18	-5.99	15.6	-4.68	
-5.24	42.3	-6.33	36	-8.67	31.3	-6.67	
-4.95	63.5	-6.32	54	-9.39	46.9	-9.88	
-4.8	84.7	-5.42	72	-7.98	62.6	-10.53	
-5.03	105.8	-4.9	90	-6.83	78.2	-8.76	
-5.02	127	-5.1	108	-6.79	93.9	-7.81	
-5.01	148.2	-5.62	126	-7.85	109.5	-8.05	
-5	169.4	-5.69	144	-8.85	125.2	-8.81	

-4.77	190.5	-5.39	162	-7.9	140.8	-8.52
-4.4	211.7	-5.5	180	-6.45	156.5	-6.98
-4.32	232.9	-5.68	198	-5.77	172.1	-5.64
-4.55	254.1	-5.73	216	-5.33	187.8	-4.79
	275.2	-5.7	234	-5.51	203.4	-4.31
	296.4	-5.32	252	-6.39	219.1	-4.29
	317.6	-4.51	270	-7.94	234.7	-4.51
	338.8	-4.08	288	-9.46	250.4	-4.66
	360	-4.47	306	-8.38	266	-5.65
			324	-5.7	281.7	-8.34
			342	-4.28	297.3	-14.26
			360	-4.08	313	-16.41
					328.6	-9.11
					344.3	-5.68
					360	-4.4

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-4.42	0	-4.37	0	-3.88	0	-4.21
-4.97	21.1	-5.2	18	-5.91	15.6	-4.53
-5.01	42.3	-6.21	36	-8.65	31.3	-6.72
-4.62	63.5	-5.99	54	-9.18	46.9	-10.13
-4.44	84.7	-4.99	72	-7.59	62.6	-10.43
-4.65	105.8	-4.46	90	-6.36	78.2	-8.35
-4.68	127	-4.7	108	-6.28	93.9	-7.3
-4.66	148.2	-5.29	126	-7.32	109.5	-7.55
-4.64	169.4	-5.43	144	-8.43	125.2	-8.39
-4.47	190.5	-5.11	162	-7.51	140.8	-8.25
-4.1	211.7	-5.14	180	-6.03	156.5	-6.7
-4.15	232.9	-5.27	198	-5.33	172.1	-5.31
-4.42	254.1	-5.29	216	-4.92	187.8	-4.42
	275.2	-5.19	234	-5.17	203.4	-3.92
	296.4	-4.82	252	-6.12	219.1	-3.92
	317.6	-4.12	270	-7.68	234.7	-4.16
	338.8	-3.84	288	-9.07	250.4	-4.36
	360	-4.37	306	-7.86	266	-5.34
			324	-5.25	281.7	-8.04
			342	-3.94	297.3	-13.84
			360	-3.88	313	-15.72
					328.6	-8.75
					344.3	-5.41

360 -4.21

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-4.63	0	-4.65	0	-4.04	0	-4.45
-5.19	21.1	-5.49	18	-6.15	15.6	-4.85
-5.23	42.3	-6.5	36	-8.92	31.3	-7.2
-4.78	63.5	-6.13	54	-9.32	46.9	-10.85
-4.5	84.7	-5.04	72	-7.57	62.6	-10.65
-4.69	105.8	-4.52	90	-6.28	78.2	-8.25
-4.7	127	-4.76	108	-6.16	93.9	-7.12
-4.69	148.2	-5.36	126	-7.2	109.5	-7.37
-4.7	169.4	-5.55	144	-8.35	125.2	-8.31
-4.6	190.5	-5.19	162	-7.48	140.8	-8.32
-4.44	211.7	-5.13	180	-5.94	156.5	-6.79
-4.4	232.9	-5.22	198	-5.26	172.1	-5.35
-4.63	254.1	-5.25	216	-4.89	187.8	-4.44
	275.2	-5.14	234	-5.17	203.4	-3.94
	296.4	-4.78	252	-6.17	219.1	-3.96
	317.6	-4.18	270	-7.74	234.7	-4.24
	338.8	-4.03	288	-9.05	250.4	-4.44
	360	-4.65	306	-7.79	266	-5.41
			324	-5.25	281.7	-8.05
			342	-4.01	297.3	-13.63
			360	-4.04	313	-15.68
					328.6	-8.94
					344.3	-5.62
					360	-4.45

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-4.18	0	-4.31	0	-3.6	0	-4.14
-4.76	21.1	-5.18	18	-5.8	15.6	-4.57
-4.84	42.3	-6.14	36	-8.59	31.3	-7.16
-4.26	63.5	-5.6	54	-8.79	46.9	-10.97
-3.94	84.7	-4.45	72	-6.86	62.6	-10.06
-4.09	105.8	-3.93	90	-5.52	78.2	-7.38
-4.09	127	-4.19	108	-5.39	93.9	-6.25
-4.08	148.2	-4.82	126	-6.45	109.5	-6.54

-4.14	169.4	-5.04	144	-7.68	125.2	-7.59
-4.15	190.5	-4.6	162	-6.84	140.8	-7.76
-3.93	211.7	-4.47	180	-5.25	156.5	-6.25
-4.01	232.9	-4.52	198	-4.6	172.1	-4.77
-4.18	254.1	-4.56	216	-4.26	187.8	-3.87
	275.2	-4.47	234	-4.59	203.4	-3.36
	296.4	-4.13	252	-5.62	219.1	-3.4
	317.6	-3.66	270	-7.19	234.7	-3.74
	338.8	-3.6	288	-8.44	250.4	-3.94
	360	-4.31	306	-7.14	266	-4.87
			324	-4.65	281.7	-7.45
			342	-3.47	297.3	-12.81
			360	-3.6	313	-15.08
					328.6	-8.57
					344.3	-5.29
					360	-4.14

30		45		60		75
Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d
-3.88	0	-4.18	0	-3.36	0	-4.06
-4.5	21.1	-5.06	18	-5.66	15.6	-4.55
-4.53	42.3	-5.94	36	-8.45	31.3	-7.37
-3.86	63.5	-5.19	54	-8.34	46.9	-11.32
-3.54	84.7	-4	72	-6.24	62.6	-9.52
-3.69	105.8	-3.51	90	-4.9	78.2	-6.64
-3.68	127	-3.8	108	-4.79	93.9	-5.5
-3.65	148.2	-4.48	126	-5.9	109.5	-5.83
-3.74	169.4	-4.73	144	-7.2	125.2	-7.01
-3.81	190.5	-4.23	162	-6.39	140.8	-7.35
-3.69	211.7	-4.01	180	-4.8	156.5	-5.87
-3.78	232.9	-4.02	198	-4.17	172.1	-4.38
-3.88	254.1	-4.04	216	-3.85	187.8	-3.47
	275.2	-3.96	234	-4.21	203.4	-2.98
	296.4	-3.69	252	-5.25	219.1	-3.05
	317.6	-3.32	270	-6.8	234.7	-3.44
	338.8	-3.37	288	-7.99	250.4	-3.63
	360	-4.18	306	-6.71	266	-4.51
			324	-4.28	281.7	-7.01
			342	-3.15	297.3	-12.16
			360	-3.36	313	-14.6
					328.6	-8.45

344.3 -5.15
360 -4.06

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-3.61	0	-4.1	0	-3.2	0	-4.03	
-4.23	21.1	-4.99	18	-5.59	15.6	-4.59	
-4.15	42.3	-5.7	36	-8.3	31.3	-7.7	
-3.36	63.5	-4.76	54	-7.84	46.9	-11.73	
-3.1	84.7	-3.53	72	-5.62	62.6	-8.92	
-3.33	105.8	-3.08	90	-4.28	78.2	-5.9	
-3.33	127	-3.42	108	-4.21	93.9	-4.8	
-3.24	148.2	-4.17	126	-5.36	109.5	-5.2	
-3.31	169.4	-4.44	144	-6.76	125.2	-6.52	
-3.45	190.5	-3.89	162	-6.02	140.8	-7.02	
-3.46	211.7	-3.59	180	-4.4	156.5	-5.57	
-3.51	232.9	-3.57	198	-3.8	172.1	-4.04	
-3.61	254.1	-3.55	216	-3.51	187.8	-3.12	
	275.2	-3.48	234	-3.86	203.4	-2.65	
	296.4	-3.27	252	-4.93	219.1	-2.77	
	317.6	-3.01	270	-6.45	234.7	-3.2	
	338.8	-3.19	288	-7.55	250.4	-3.36	
	360	-4.1	306	-6.26	266	-4.21	
			324	-3.93	281.7	-6.66	
			342	-2.88	297.3	-11.63	
			360	-3.2	313	-14	
					328.6	-8.25	
					344.3	-5.06	
					360	-4.03	

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-3.49	0	-4.19	0	-3.2	0	-4.11	
-4.1	21.1	-5.07	18	-5.68	15.6	-4.76	
-3.82	42.3	-5.6	36	-8.25	31.3	-8.21	
-2.99	63.5	-4.44	54	-7.43	46.9	-12.22	
-2.82	84.7	-3.22	72	-5.16	62.6	-8.45	
-3.14	105.8	-2.82	90	-3.84	78.2	-5.4	
-3.1	127	-3.19	108	-3.8	93.9	-4.33	

-2.94	148.2	-3.97	126	-4.99	109.5	-4.79
-3.02	169.4	-4.28	144	-6.49	125.2	-6.22
-3.2	190.5	-3.72	162	-5.82	140.8	-6.89
-3.27	211.7	-3.38	180	-4.18	156.5	-5.44
-3.35	232.9	-3.33	198	-3.6	172.1	-3.87
-3.49	254.1	-3.27	216	-3.32	187.8	-2.92
	275.2	-3.17	234	-3.7	203.4	-2.49
	296.4	-3	252	-4.81	219.1	-2.64
	317.6	-2.85	270	-6.32	234.7	-3.12
	338.8	-3.17	288	-7.26	250.4	-3.27
	360	-4.19	306	-5.92	266	-4.08
			324	-3.71	281.7	-6.48
			342	-2.76	297.3	-11.23
			360	-3.2	313	-13.37
					328.6	-8.09
					344.3	-5.03
					360	-4.11

	30		45		60		75
	Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
	-3.59	0	-4.47	0	-3.35	0	-4.27
	-4.12	21.1	-5.34	18	-5.93	15.6	-5.04
	-3.62	42.3	-5.64	36	-8.32	31.3	-8.87
	-2.8	63.5	-4.3	54	-7.2	46.9	-12.88
	-2.72	84.7	-3.12	72	-4.89	62.6	-8.19
	-3.08	105.8	-2.76	90	-3.58	78.2	-5.13
	-3.01	127	-3.13	108	-3.56	93.9	-4.1
	-2.81	148.2	-3.92	126	-4.76	109.5	-4.62
	-2.92	169.4	-4.29	144	-6.37	125.2	-6.17
	-3.13	190.5	-3.75	162	-5.83	140.8	-6.98
	-3.23	211.7	-3.39	180	-4.13	156.5	-5.56
	-3.34	232.9	-3.35	198	-3.56	172.1	-3.9
	-3.59	254.1	-3.25	216	-3.31	187.8	-2.92
		275.2	-3.12	234	-3.73	203.4	-2.52
		296.4	-2.93	252	-4.9	219.1	-2.7
		317.6	-2.86	270	-6.39	234.7	-3.21
		338.8	-3.31	288	-7.15	250.4	-3.36
		360	-4.47	306	-5.71	266	-4.12
				324	-3.59	281.7	-6.44
				342	-2.75	297.3	-10.95
				360	-3.35	313	-12.77

328.6	-7.98
344.3	-5.08
360	-4.27

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-3.77	0	-4.82	0	-3.62	0	-4.49	
-4.22	21.1	-5.64	18	-6.34	15.6	-5.4	
-3.55	42.3	-5.71	36	-8.57	31.3	-9.65	
-2.77	63.5	-4.28	54	-7.13	46.9	-13.55	
-2.75	84.7	-3.15	72	-4.76	62.6	-8.06	
-3.11	105.8	-2.81	90	-3.45	78.2	-5	
-2.97	127	-3.15	108	-3.43	93.9	-4.02	
-2.74	148.2	-3.92	126	-4.65	109.5	-4.59	
-2.89	169.4	-4.34	144	-6.39	125.2	-6.22	
-3.18	190.5	-3.85	162	-5.98	140.8	-7.22	
-3.29	211.7	-3.5	180	-4.23	156.5	-5.79	
-3.42	232.9	-3.49	198	-3.65	172.1	-4.06	
-3.77	254.1	-3.39	216	-3.43	187.8	-3.05	
	275.2	-3.23	234	-3.89	203.4	-2.67	
	296.4	-2.99	252	-5.11	219.1	-2.88	
	317.6	-2.96	270	-6.61	234.7	-3.41	
	338.8	-3.54	288	-7.17	250.4	-3.52	
	360	-4.82	306	-5.59	266	-4.22	
			324	-3.57	281.7	-6.43	
			342	-2.84	297.3	-10.66	
			360	-3.62	313	-12.36	
					328.6	-8.01	
					344.3	-5.2	
					360	-4.49	

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-4.18	0	-5.36	0	-4.14	0	-4.93	
-4.52	21.1	-6.15	18	-7.04	15.6	-5.95	
-3.73	42.3	-6.02	36	-9.13	31.3	-10.67	
-3.02	63.5	-4.53	54	-7.33	46.9	-14.14	
-3.06	84.7	-3.43	72	-4.9	62.6	-8.01	
-3.36	105.8	-3.08	90	-3.59	78.2	-5	

-3.15	127	-3.36	108	-3.55	93.9	-4.1
-2.91	148.2	-4.1	126	-4.76	109.5	-4.71
-3.1	169.4	-4.59	144	-6.63	125.2	-6.43
-3.46	190.5	-4.15	162	-6.36	140.8	-7.63
-3.61	211.7	-3.81	180	-4.58	156.5	-6.24
-3.77	232.9	-3.83	198	-4	172.1	-4.46
-4.18	254.1	-3.74	216	-3.78	187.8	-3.43
	275.2	-3.54	234	-4.24	203.4	-3.03
	296.4	-3.27	252	-5.47	219.1	-3.24
	317.6	-3.29	270	-6.94	234.7	-3.76
	338.8	-3.95	288	-7.39	250.4	-3.83
	360	-5.36	306	-5.75	266	-4.41
			324	-3.81	281.7	-6.49
			342	-3.18	297.3	-10.46
			360	-4.14	313	-12.35
					328.6	-8.37
					344.3	-5.6
					360	-4.93

30		45		60		75
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
-4.7	0	-5.99	0	-4.81	0	-5.53
-4.94	21.1	-6.76	18	-7.9	15.6	-6.66
-4.08	42.3	-6.47	36	-9.89	31.3	-11.8
-3.41	63.5	-4.89	54	-7.69	46.9	-14.2
-3.46	84.7	-3.79	72	-5.13	62.6	-7.87
-3.68	105.8	-3.4	90	-3.82	78.2	-5
-3.43	127	-3.62	108	-3.77	93.9	-4.17
-3.18	148.2	-4.35	126	-4.97	109.5	-4.84
-3.38	169.4	-4.92	144	-6.93	125.2	-6.64
-3.84	190.5	-4.54	162	-6.86	140.8	-8.07
-4.1	211.7	-4.18	180	-5.04	156.5	-6.81
-4.3	232.9	-4.24	198	-4.47	172.1	-4.99
-4.7	254.1	-4.14	216	-4.25	187.8	-3.94
	275.2	-3.95	234	-4.65	203.4	-3.51
	296.4	-3.69	252	-5.86	219.1	-3.67
	317.6	-3.74	270	-7.25	234.7	-4.19
	338.8	-4.49	288	-7.68	250.4	-4.16
	360	-5.99	306	-6.06	266	-4.63
			324	-4.2	281.7	-6.57
			342	-3.68	297.3	-10.31

360	-4.81	313	-12.58
		328.6	-8.98
		344.3	-6.16
		360	-5.53

30	45	60	75
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)
-5.2	0	-6.53	0
-5.27	21.1	-7.3	18
-4.35	42.3	-6.82	36
-3.71	63.5	-5.1	54
-3.75	84.7	-3.99	72
-3.92	105.8	-3.58	90
-3.62	127	-3.76	108
-3.34	148.2	-4.48	126
-3.53	169.4	-5.09	144
-4.09	190.5	-4.75	162
-4.51	211.7	-4.42	180
-4.81	232.9	-4.48	198
-5.2	254.1	-4.38	216
	275.2	-4.2	234
	296.4	-4.01	252
	317.6	-4.12	270
	338.8	-4.92	288
	360	-6.53	306
			324
			342
			360
			-5.41
			313
			328.6
			344.3
			360

30	45	60	75
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)
-5.61	0	-6.88	0
-5.44	21.1	-7.65	18
-4.37	42.3	-6.86	36
-3.74	63.5	-5	54
-3.8	84.7	-3.88	72
			90
			108
			126
			144
			162
			180
			198
			216
			234
			252
			270
			288
			306
			324
			342
			360
			-5.79
			0
			15.6
			31.3
			46.9
			62.6

-3.97	105.8	-3.49	90	-3.75	78.2	-4.41
-3.67	127	-3.67	108	-3.79	93.9	-3.78
-3.35	148.2	-4.38	126	-5.08	109.5	-4.55
-3.49	169.4	-4.99	144	-7.17	125.2	-6.55
-4.09	190.5	-4.72	162	-7.44	140.8	-8.52
-4.69	211.7	-4.42	180	-5.55	156.5	-7.58
-5.16	232.9	-4.5	198	-5.01	172.1	-5.69
-5.61	254.1	-4.41	216	-4.81	187.8	-4.56
	275.2	-4.23	234	-5.14	203.4	-4.08
	296.4	-4.1	252	-6.25	219.1	-4.16
	317.6	-4.27	270	-7.52	234.7	-4.6
	338.8	-5.14	288	-7.83	250.4	-4.43
	360	-6.88	306	-6.32	266	-4.72
			324	-4.63	281.7	-6.48
			342	-4.28	297.3	-9.88
			360	-5.79	313	-12.63
					328.6	-9.69
					344.3	-6.82
					360	-6.24

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-6.34	0	-7.46	0	-6.41	0	-6.62
-5.86	21.1	-8.19	18	-10.11	15.6	-8.13
-4.64	42.3	-7.04	36	-11	31.3	-13.59
-4.03	63.5	-5.08	54	-7.57	46.9	-11.97
-4.12	84.7	-4.02	72	-4.97	62.6	-6.73
-4.29	105.8	-3.69	90	-3.86	78.2	-4.44
-4.02	127	-3.87	108	-4	93.9	-3.89
-3.7	148.2	-4.52	126	-5.33	109.5	-4.71
-3.79	169.4	-5.09	144	-7.45	125.2	-6.81
-4.41	190.5	-4.93	162	-7.81	140.8	-9.08
-5.11	211.7	-4.73	180	-5.89	156.5	-8.22
-5.78	232.9	-4.88	198	-5.4	172.1	-6.25
-6.34	254.1	-4.79	216	-5.34	187.8	-5.09
	275.2	-4.6	234	-5.72	203.4	-4.62
	296.4	-4.5	252	-6.9	219.1	-4.67
	317.6	-4.67	270	-8.11	234.7	-5.07
	338.8	-5.58	288	-8.2	250.4	-4.85
	360	-7.46	306	-6.55	266	-5.1
			324	-4.91	281.7	-6.8

342	-4.69	297.3	-10.08
360	-6.41	313	-12.68
		328.6	-9.91
		344.3	-7.1
		360	-6.62

30		45		60		75
Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d
-7.27	0	-8.25	0	-7.26	0	-7.17
-6.51	21.1	-8.83	18	-10.98	15.6	-8.81
-5.18	42.3	-7.38	36	-11.27	31.3	-14.17
-4.62	63.5	-5.44	54	-7.78	46.9	-11.89
-4.73	84.7	-4.49	72	-5.32	62.6	-7.02
-4.87	105.8	-4.2	90	-4.31	78.2	-4.86
-4.64	127	-4.36	108	-4.52	93.9	-4.37
-4.42	148.2	-4.91	126	-5.84	109.5	-5.21
-4.51	169.4	-5.4	144	-7.94	125.2	-7.43
-5.09	190.5	-5.35	162	-8.36	140.8	-9.95
-5.79	211.7	-5.3	180	-6.42	156.5	-9.2
-6.58	232.9	-5.59	198	-6.03	172.1	-7.09
-7.27	254.1	-5.57	216	-6.15	187.8	-5.9
	275.2	-5.32	234	-6.67	203.4	-5.45
	296.4	-5.16	252	-8	219.1	-5.49
	317.6	-5.33	270	-9.17	234.7	-5.82
	338.8	-6.28	288	-8.92	250.4	-5.6
	360	-8.25	306	-7.01	266	-5.79
			324	-5.42	281.7	-7.45
			342	-5.32	297.3	-10.59
			360	-7.26	313	-13
					328.6	-10.27
					344.3	-7.54
					360	-7.17

30		45		60		75
Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d
-7.3	0	-8.23	0	-7.32	0	-6.92
-6.32	21.1	-8.6	18	-10.94	15.6	-8.69
-4.96	42.3	-6.94	36	-10.67	31.3	-13.96
-4.5	63.5	-5.09	54	-7.25	46.9	-11.18

-4.58	84.7	-4.23	72	-4.96	62.6	-6.57
-4.65	105.8	-3.96	90	-4.04	78.2	-4.57
-4.48	127	-4.09	108	-4.3	93.9	-4.11
-4.41	148.2	-4.54	126	-5.6	109.5	-4.99
-4.57	169.4	-4.96	144	-7.63	125.2	-7.23
-5.12	190.5	-5	162	-8.1	140.8	-9.99
-5.74	211.7	-5.12	180	-6.22	156.5	-9.38
-6.59	232.9	-5.58	198	-5.88	172.1	-7.18
-7.3	254.1	-5.66	216	-6.18	187.8	-5.95
	275.2	-5.33	234	-6.89	203.4	-5.52
	296.4	-5.1	252	-8.34	219.1	-5.5
	317.6	-5.26	270	-9.5	234.7	-5.83
	338.8	-6.26	288	-8.87	250.4	-5.53
	360	-8.23	306	-6.72	266	-5.68
			324	-5.18	281.7	-7.26
			342	-5.18	297.3	-10.33
			360	-7.32	313	-12.54
					328.6	-9.89
					344.3	-7.2
					360	-6.92

30	45	60	75			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-7.11	0	-8.14	0	-7.37	0	-6.78
-6.09	21.1	-8.28	18	-10.89	15.6	-8.63
-4.85	42.3	-6.57	36	-10.17	31.3	-13.65
-4.49	63.5	-4.84	54	-6.83	46.9	-10.43
-4.51	84.7	-4.04	72	-4.65	62.6	-6.12
-4.45	105.8	-3.81	90	-3.84	78.2	-4.23
-4.29	127	-3.92	108	-4.15	93.9	-3.83
-4.36	148.2	-4.27	126	-5.42	109.5	-4.72
-4.61	169.4	-4.62	144	-7.4	125.2	-6.98
-5.21	190.5	-4.65	162	-7.87	140.8	-10
-5.8	211.7	-4.89	180	-6.04	156.5	-9.61
-6.59	232.9	-5.47	198	-5.75	172.1	-7.29
-7.11	254.1	-5.73	216	-6.19	187.8	-6.01
	275.2	-5.39	234	-7	203.4	-5.6
	296.4	-5.1	252	-8.58	219.1	-5.5
	317.6	-5.27	270	-9.76	234.7	-5.79
	338.8	-6.28	288	-8.86	250.4	-5.49
	360	-8.14	306	-6.52	266	-5.58

324	-5.01	281.7	-7.12
342	-5.1	297.3	-10.1
360	-7.37	313	-12.23
		328.6	-9.63
		344.3	-6.99
		360	-6.78

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-7.61	0	-8.73	0	-8.12	0	-7.45	
-6.63	21.1	-8.77	18	-11.51	15.6	-9.36	
-5.54	42.3	-7.09	36	-10.41	31.3	-13.83	
-5.24	63.5	-5.43	54	-7.15	46.9	-10.26	
-5.21	84.7	-4.65	72	-5.11	62.6	-6.32	
-5.07	105.8	-4.43	90	-4.42	78.2	-4.56	
-4.85	127	-4.6	108	-4.78	93.9	-4.23	
-5.03	148.2	-4.9	126	-6.06	109.5	-5.14	
-5.38	169.4	-5.15	144	-8	125.2	-7.43	
-6.02	190.5	-5.08	162	-8.43	140.8	-10.7	
-6.63	211.7	-5.37	180	-6.6	156.5	-10.6	
-7.3	232.9	-6.04	198	-6.28	172.1	-8.13	
-7.61	254.1	-6.46	216	-6.8	187.8	-6.74	
	275.2	-6.18	234	-7.65	203.4	-6.29	
	296.4	-5.89	252	-9.29	219.1	-6.16	
	317.6	-6.08	270	-10.6	234.7	-6.42	
	338.8	-7.04	288	-9.55	250.4	-6.15	
	360	-8.73	306	-7.14	266	-6.23	
			324	-5.64	281.7	-7.74	
			342	-5.77	297.3	-10.68	
			360	-8.12	313	-12.74	
					328.6	-10.2	
					344.3	-7.57	
					360	-7.45	

30		45		60		75	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-7.73	0	-9	0	-8.54	0	-7.85	
-6.83	21.1	-9.03	18	-11.68	15.6	-9.81	
-5.87	42.3	-7.33	36	-10.35	31.3	-13.52	

-5.63	63.5	-5.69	54	-7.16	46.9	-9.79
-5.6	84.7	-4.93	72	-5.26	62.6	-6.19
-5.44	105.8	-4.8	90	-4.71	78.2	-4.58
-5.17	127	-5.06	108	-5.16	93.9	-4.33
-5.34	148.2	-5.37	126	-6.51	109.5	-5.27
-5.75	169.4	-5.5	144	-8.4	125.2	-7.63
-6.46	190.5	-5.29	162	-8.75	140.8	-11.13
-7.1	211.7	-5.59	180	-6.85	156.5	-11.31
-7.67	232.9	-6.3	198	-6.48	172.1	-8.58
-7.73	254.1	-6.84	216	-7.01	187.8	-7.07
	275.2	-6.66	234	-7.88	203.4	-6.62
	296.4	-6.39	252	-9.58	219.1	-6.49
	317.6	-6.52	270	-11.02	234.7	-6.8
	338.8	-7.41	288	-9.99	250.4	-6.59
	360	-9	306	-7.51	266	-6.65
			324	-6.03	281.7	-8.13
			342	-6.18	297.3	-11.02
			360	-8.54	313	-12.91
					328.6	-10.42
					344.3	-7.88
					360	-7.85

2400	2410	2420	2430	2440	2450	2460
0	0	0	0	0	0	0
-4.32089	-4.09663	-4.03414	-4.07548	-4.33146	-4.67106	-4.88973
-1.00038	-0.648232	-0.424693	-0.334275	-0.453169	-0.703613	-0.773676
3.32051	3.4484	3.60945	3.7412	3.87829	3.96745	4.11606
-4.32089	-4.09663	-4.03414	-4.07548	-4.33146	-4.67106	-4.88973
36.9752	38.9347	39.499	39.1248	36.8853	34.111	32.436
-1.00038	-0.648232	-0.424693	-0.334275	-0.453169	-0.703613	-0.773676
-5.71081	-5.48691	-5.42323	-5.4637	-5.71571	-6.04828	-6.25883
-7.24888	-7.02963	-6.9685	-7.01152	-7.26355	-7.59498	-7.80459
-8.42782	-8.21236	-8.15611	-8.20438	-8.4596	-8.79366	-9.00464
-7.39936	-7.19694	-7.16826	-7.24655	-7.54207	-7.92834	-8.20407
-7.26407	-7.01874	-6.92406	-6.93075	-7.15029	-7.44767	-7.61589
-1.38993	-1.39028	-1.38909	-1.38822	-1.38425	-1.37722	-1.3691
72.6118	72.6059	72.6259	72.6404	72.7068	72.8245	72.9608
-4.20566	-3.98176	-3.91808	-3.95855	-4.21056	-4.54313	-4.75368
-2.92799	-2.933	-2.93436	-2.93604	-2.93209	-2.92392	-2.91485
50.9566	50.8979	50.882	50.8623	50.9086	51.0044	51.111

-4.23858	-4.01933	-3.9582	-4.00122	-4.25325	-4.58468	-4.79429
-4.10693	-4.11573	-4.12196	-4.12891	-4.12814	-4.1226	-4.11491
38.8425	38.7638	38.7083	38.6464	38.6533	38.7026	38.7712
-4.25622	-4.04076	-3.9845	-4.03278	-4.288	-4.62206	-4.83303
-3.07847	-3.10031	-3.13411	-3.17107	-3.21061	-3.25728	-3.31434
49.2213	48.9744	48.5947	48.1829	47.7463	47.2358	46.6194
-4.38906	-4.18664	-4.15796	-4.23625	-4.53177	-4.91804	-5.19377
-2.94318	-2.92212	-2.88992	-2.85527	-2.81883	-2.77661	-2.72616
50.7787	51.0256	51.4053	51.8171	52.2537	52.7642	53.3806
-4.25377	-4.00844	-3.91376	-3.92045	-4.13999	-4.43737	-4.60559
-5.37134	-5.15354	-5.10182	-5.15453	-5.42318	-5.77804	-6.0152
4.31678	4.18896	4.16566	4.15007	4.07594	3.86289	3.66717
140	139	139	138	136	134	102
30	30	31	32	32	32	32
110	109	108	106	104	102	70
53	52	51	53	53	54	54
24	25	26	28	29	30	31
29	27	25	25	24	24	23
266	266	266	266	266	266	266
105	105	105	105	105	105	105
-1.00038	-0.648232	-0.424693	-0.334275	-0.453169	-0.703613	-0.773676
-15.0445	-14.6137	-14.1865	-13.8096	-14.1376	-14.2048	-13.8139
-4.31469	-4.11154	-4.08796	-4.16278	-4.4434	-4.79559	-5.02355
14.0442	13.9655	13.7618	13.4754	13.6845	13.5012	13.0402
3.31431	3.46331	3.66327	3.82851	3.99023	4.09197	4.24987
-10.7299	-10.5022	-10.0986	-9.64686	-9.69425	-9.40923	-8.79031
-15.0445	-14.6137	-14.1865	-13.8096	-14.1376	-14.2048	-13.8139
-1.00038	-0.648232	-0.424693	-0.334275	-0.453169	-0.703613	-0.773676
-4.32089	-4.09663	-4.03414	-4.07548	-4.33146	-4.67106	-4.88973
50	50	50	51	52	52	51
27	28	29	30	31	30	30
23	22	21	21	21	22	21
127	124	122	120	116	109	98
30	29	31	31	32	32	32
97	95	91	89	84	77	66

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-6.43	0	-8.72	0	-10.11
15	-6.5	15.6	-6.72	18	-6.59
30	-7.49	31.3	-5.24	36	-5.3
45	-8.69	46.9	-4.84	54	-5.38
60	-9.61	62.6	-5.53	72	-6.08
75	-10.34	78.2	-6.98	90	-7.04
90	-11.53	93.9	-9.02	108	-7.95
105	-13.74	109.5	-10.85	126	-8.52
120	-16.25	125.2	-11.35	144	-8.94
135	-14.36	140.8	-10.6	162	-9.25
150	-10.65	156.5	-9.76	180	-8.9
165	-8.58	172.1	-8.85	198	-7.77
180	-8.15	187.8	-7.51	216	-6.4
195	-7.68	203.4	-6.16	234	-5.63
210	-6.65	219.1	-5.6	252	-5.3
225	-5.75	234.7	-4.93	270	-5.37
240	-5.32	250.4	-4.02	288	-6.36
255	-5.25	266	-3.66	306	-9.08
270	-5.81	281.7	-4.1	324	-15.27
285	-7.62	297.3	-5.72	342	-18.31
300	-11.79	313	-9.45	360	-10.11
315	-18.53	328.6	-17.5		
330	-12.06	344.3	-15.3		
345	-8.59	360	-8.72		
360	-6.43				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-5.99	0	-8.37	0	-9.91
15	-6.13	15.6	-6.37	18	-6.4
30	-7.24	31.3	-4.93	36	-5.17
45	-8.57	46.9	-4.64	54	-5.27
60	-9.6	62.6	-5.37	72	-5.96
75	-10.42	78.2	-6.98	90	-6.84
90	-11.74	93.9	-9.1	108	-7.53
105	-14.19	109.5	-10.85	126	-7.85
120	-16.75	125.2	-10.85	144	-8.18

135	-13.78	140.8	-9.77	162	-8.65	190.5
150	-9.83	156.5	-8.91	180	-8.58	211.7
165	-7.79	172.1	-8.18	198	-7.52	232.9
180	-7.46	187.8	-7.03	216	-6.07	254.1
195	-7.16	203.4	-5.8	234	-5.21	275.2
210	-6.23	219.1	-5.24	252	-4.84	296.4
225	-5.35	234.7	-4.59	270	-4.9	317.6
240	-4.89	250.4	-3.64	288	-5.89	338.8
255	-4.84	266	-3.17	306	-8.65	360
270	-5.43	281.7	-3.65	324	-14.94	
285	-7.32	297.3	-5.32	342	-18.26	
300	-11.76	313	-9.12	360	-9.91	
315	-19.5	328.6	-17.64			
330	-11.66	344.3	-15.07			
345	-8.1	360	-8.37			
360	-5.99					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-6.04	0	-8.46	0	-10.06	0
15	-6.26	15.6	-6.51	18	-6.67	21.1
30	-7.46	31.3	-5.15	36	-5.51	42.3
45	-8.92	46.9	-4.92	54	-5.66	63.5
60	-10.05	62.6	-5.78	72	-6.34	84.7
75	-10.97	78.2	-7.51	90	-7.15	105.8
90	-12.4	93.9	-9.75	108	-7.63	127
105	-15.1	109.5	-11.31	126	-7.72	148.2
120	-17.61	125.2	-10.78	144	-7.99	169.4
135	-13.57	140.8	-9.45	162	-8.59	190.5
150	-9.48	156.5	-8.61	180	-8.74	211.7
165	-7.46	172.1	-8.06	198	-7.73	232.9
180	-7.26	187.8	-7.08	216	-6.23	254.1
195	-7.15	203.4	-5.93	234	-5.28	275.2
210	-6.29	219.1	-5.37	252	-4.86	296.4
225	-5.41	234.7	-4.67	270	-4.91	317.6
240	-4.92	250.4	-3.69	288	-5.92	338.8
255	-4.83	266	-3.12	306	-8.7	360
270	-5.42	281.7	-3.68	324	-15.06	
285	-7.34	297.3	-5.36	342	-18.16	
300	-12	313	-9.23	360	-10.06	
315	-20.89	328.6	-18.07			
330	-11.77	344.3	-15.16			

345	-8.12	360	-8.46
360	-6.04		

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-5.51	0	-7.91	0	-9.45
15	-5.83	15.6	-6.02	18	-6.25
30	-7.16	31.3	-4.75	36	-5.21
45	-8.79	46.9	-4.65	54	-5.45
60	-10.03	62.6	-5.66	72	-6.12
75	-11	78.2	-7.56	90	-6.84
90	-12.54	93.9	-9.91	108	-7.13
105	-15.48	109.5	-11.15	126	-7.01
120	-17.66	125.2	-10.09	144	-7.19
135	-12.7	140.8	-8.55	162	-7.88
150	-8.57	156.5	-7.76	180	-8.22
165	-6.61	172.1	-7.35	198	-7.29
180	-6.52	187.8	-6.55	216	-5.73
195	-6.57	203.4	-5.45	234	-4.74
210	-5.78	219.1	-4.88	252	-4.28
225	-4.87	234.7	-4.14	270	-4.32
240	-4.34	250.4	-3.1	288	-5.33
255	-4.22	266	-2.63	306	-8.17
270	-4.8	281.7	-3	324	-14.68
285	-6.74	297.3	-4.77	342	-17.27
300	-11.51	313	-8.77	360	-9.45
315	-21.24	328.6	-17.98		
330	-11.19	344.3	-14.48		
345	-7.54	360	-7.91		
360	-5.51				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-5.13	0	-7.48	0	-8.94
15	-5.59	15.6	-5.68	18	-5.95
30	-7.11	31.3	-4.52	36	-5.08
45	-8.92	46.9	-4.58	54	-5.4
60	-10.35	62.6	-5.78	72	-6.09
75	-11.44	78.2	-7.88	90	-6.71
90	-13.04	93.9	-10.28	108	-6.76
105	-16.32	109.5	-11.06	126	-6.44

120	-17.92	125.2	-9.47	144	-6.52	169.4
135	-12.08	140.8	-7.85	162	-7.3	190.5
150	-7.9	156.5	-7.13	180	-7.83	211.7
165	-6.01	172.1	-6.85	198	-7.03	232.9
180	-6.02	187.8	-6.23	216	-5.43	254.1
195	-6.22	203.4	-5.18	234	-4.36	275.2
210	-5.49	219.1	-4.56	252	-3.89	296.4
225	-4.55	234.7	-3.79	270	-3.92	317.6
240	-3.96	250.4	-2.71	288	-4.94	338.8
255	-3.81	266	-2.08	306	-7.85	360
270	-4.37	281.7	-2.63	324	-14.61	
285	-6.32	297.3	-4.36	342	-16.6	
300	-11.26	313	-8.47	360	-8.94	
315	-22.06	328.6	-18.36			
330	-10.7	344.3	-13.96			
345	-7.07	360	-7.48			
360	-5.13					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-4.71	0	-7.06	0	-8.42	0
15	-5.33	15.6	-5.32	18	-5.61	21.1
30	-7.07	31.3	-4.27	36	-4.89	42.3
45	-9.13	46.9	-4.48	54	-5.31	63.5
60	-10.79	62.6	-5.88	72	-5.96	84.7
75	-12.08	78.2	-8.13	90	-6.45	105.8
90	-13.82	93.9	-10.49	108	-6.29	127
105	-17.52	109.5	-10.67	126	-5.78	148.2
120	-17.91	125.2	-8.76	144	-5.79	169.4
135	-11.36	140.8	-7.13	162	-6.65	190.5
150	-7.28	156.5	-6.5	180	-7.46	211.7
165	-5.45	172.1	-6.39	198	-6.76	232.9
180	-5.57	187.8	-5.93	216	-5.1	254.1
195	-5.87	203.4	-4.91	234	-3.96	275.2
210	-5.21	219.1	-4.22	252	-3.45	296.4
225	-4.2	234.7	-3.41	270	-3.49	317.6
240	-3.54	250.4	-2.29	288	-4.52	338.8
255	-3.34	266	-1.73	306	-7.46	360
270	-3.88	281.7	-2.08	324	-14.48	
285	-5.88	297.3	-3.87	342	-16.07	
300	-10.96	313	-8.09	360	-8.42	
315	-23.19	328.6	-18.74			

330	-10.16	344.3	-13.56
345	-6.54	360	-7.06
360	-4.71		

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-4.45	0	-6.82	0	-8.11
15	-5.2	15.6	-5.08	18	-5.45
30	-7.15	31.3	-4.12	36	-4.86
45	-9.48	46.9	-4.46	54	-5.32
60	-11.45	62.6	-6	72	-5.94
75	-12.93	78.2	-8.37	90	-6.25
90	-14.91	93.9	-10.53	108	-5.9
105	-18.99	109.5	-10.19	126	-5.23
120	-17.61	125.2	-8.12	144	-5.19
135	-10.79	140.8	-6.54	162	-6.15
150	-6.83	156.5	-6.01	180	-7.21
165	-5.09	172.1	-6.06	198	-6.64
180	-5.29	187.8	-5.75	216	-4.86
195	-5.73	203.4	-4.74	234	-3.62
210	-5.07	219.1	-3.97	252	-3.1
225	-3.97	234.7	-3.11	270	-3.14
240	-3.22	250.4	-1.95	288	-4.2
255	-2.98	266	-1.35	306	-7.18
270	-3.49	281.7	-1.73	324	-14.36
285	-5.47	297.3	-3.44	342	-15.74
300	-10.61	313	-7.69	360	-8.11
315	-25.6	328.6	-18.82		
330	-9.85	344.3	-13.55		
345	-6.22	360	-6.82		
360	-4.45				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-4.38	0	-6.79	0	-7.96
15	-5.22	15.6	-5	18	-5.42
30	-7.31	31.3	-4.09	36	-4.95
45	-9.86	46.9	-4.53	54	-5.46
60	-12.13	62.6	-6.18	72	-6.03
75	-13.91	78.2	-8.61	90	-6.18
90	-16.1	93.9	-10.49	108	-5.63

105	-20.37	109.5	-9.8	126	-4.82	148.2
120	-17.07	125.2	-7.67	144	-4.74	169.4
135	-10.42	140.8	-6.15	162	-5.83	190.5
150	-6.57	156.5	-5.71	180	-7.17	211.7
165	-4.9	172.1	-5.91	198	-6.63	232.9
180	-5.19	187.8	-5.72	216	-4.7	254.1
195	-5.74	203.4	-4.7	234	-3.35	275.2
210	-5.1	219.1	-3.85	252	-2.82	296.4
225	-3.87	234.7	-2.93	270	-2.91	317.6
240	-3.02	250.4	-1.74	288	-4.01	338.8
255	-2.72	266	-1.1	306	-7.03	360
270	-3.2	281.7	-1.46	324	-14.28	
285	-5.12	297.3	-3.15	342	-15.45	
300	-10.18	313	-7.29	360	-7.96	
315	-29.18	328.6	-18.31			
330	-9.89	344.3	-13.83			
345	-6.15	360	-6.79			
360	-4.38					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-4.45	0	-6.86	0	-7.84	0
15	-5.36	15.6	-5.05	18	-5.5	21.1
30	-7.56	31.3	-4.14	36	-5.16	42.3
45	-10.23	46.9	-4.68	54	-5.71	63.5
60	-12.72	62.6	-6.43	72	-6.21	84.7
75	-14.8	78.2	-8.86	90	-6.22	105.8
90	-17.19	93.9	-10.5	108	-5.46	127
105	-21.28	109.5	-9.49	126	-4.52	148.2
120	-16.74	125.2	-7.37	144	-4.44	169.4
135	-10.26	140.8	-5.93	162	-5.64	190.5
150	-6.52	156.5	-5.56	180	-7.21	211.7
165	-4.88	172.1	-5.88	198	-6.7	232.9
180	-5.23	187.8	-5.78	216	-4.61	254.1
195	-5.92	203.4	-4.73	234	-3.17	275.2
210	-5.25	219.1	-3.81	252	-2.63	296.4
225	-3.88	234.7	-2.84	270	-2.76	317.6
240	-2.94	250.4	-1.6	288	-3.91	338.8
255	-2.59	266	-0.99	306	-7.01	360
270	-3.01	281.7	-1.25	324	-14.36	
285	-4.87	297.3	-2.97	342	-15.06	
300	-9.75	313	-7.04	360	-7.84	

315	-32.31	328.6	-17.62
330	-10.13	344.3	-14.1
345	-6.25	360	-6.86
360	-4.45		

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-4.83	0	-7.11	0	-7.89
15	-5.79	15.6	-5.26	18	-5.76
30	-8.04	31.3	-4.43	36	-5.57
45	-10.74	46.9	-5.05	54	-6.2
60	-13.41	62.6	-6.89	72	-6.66
75	-15.75	78.2	-9.34	90	-6.51
90	-18.39	93.9	-10.74	108	-5.55
105	-22.34	109.5	-9.53	126	-4.51
120	-16.92	125.2	-7.39	144	-4.41
135	-10.52	140.8	-5.96	162	-5.73
150	-6.78	156.5	-5.66	180	-7.51
165	-5.12	172.1	-6.06	198	-6.99
180	-5.55	187.8	-6.03	216	-4.74
195	-6.34	203.4	-4.98	234	-3.23
210	-5.65	219.1	-4	252	-2.67
225	-4.17	234.7	-2.97	270	-2.83
240	-3.13	250.4	-1.74	288	-4.04
255	-2.73	266	-1.09	306	-7.25
270	-3.12	281.7	-1.39	324	-14.93
285	-4.9	297.3	-3.07	342	-14.74
300	-9.61	313	-7.11	360	-7.89
315	-31.29	328.6	-17.39		
330	-10.66	344.3	-14.28		
345	-6.66	360	-7.11		
360	-4.83				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-5.35	0	-7.3	0	-7.96
15	-6.36	15.6	-5.51	18	-6.09
30	-8.62	31.3	-4.77	36	-6.09
45	-11.32	46.9	-5.52	54	-6.8
60	-14.17	62.6	-7.51	72	-7.18
75	-16.86	78.2	-9.98	90	-6.87

90	-19.78	93.9	-11.17	108	-5.72	127
105	-23.78	109.5	-9.72	126	-4.61	148.2
120	-17.43	125.2	-7.54	144	-4.53	169.4
135	-10.95	140.8	-6.11	162	-5.95	190.5
150	-7.2	156.5	-5.83	180	-7.92	211.7
165	-5.5	172.1	-6.32	198	-7.43	232.9
180	-5.96	187.8	-6.39	216	-5.03	254.1
195	-6.88	203.4	-5.36	234	-3.41	275.2
210	-6.19	219.1	-4.3	252	-2.83	296.4
225	-4.6	234.7	-3.23	270	-3	317.6
240	-3.48	250.4	-1.96	288	-4.28	338.8
255	-3.01	266	-1.33	306	-7.6	360
270	-3.37	281.7	-1.63	324	-15.77	
285	-5.12	297.3	-3.32	342	-14.66	
300	-9.72	313	-7.39	360	-7.96	
315	-29.11	328.6	-17.57			
330	-11.23	344.3	-14.25			
345	-7.16	360	-7.3			
360	-5.35					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-5.77	0	-7.28	0	-8.02	0
15	-6.84	15.6	-5.58	18	-6.31	21.1
30	-9.1	31.3	-4.98	36	-6.47	42.3
45	-11.82	46.9	-5.88	54	-7.25	63.5
60	-14.78	62.6	-7.99	72	-7.51	84.7
75	-17.99	78.2	-10.5	90	-7.03	105.8
90	-21.35	93.9	-11.43	108	-5.76	127
105	-25.55	109.5	-9.8	126	-4.63	148.2
120	-17.93	125.2	-7.55	144	-4.59	169.4
135	-11.35	140.8	-6.13	162	-6.11	190.5
150	-7.54	156.5	-5.88	180	-8.3	211.7
165	-5.79	172.1	-6.48	198	-7.83	232.9
180	-6.29	187.8	-6.71	216	-5.24	254.1
195	-7.34	203.4	-5.67	234	-3.5	275.2
210	-6.66	219.1	-4.5	252	-2.88	296.4
225	-4.99	234.7	-3.38	270	-3.06	317.6
240	-3.74	250.4	-2.08	288	-4.39	338.8
255	-3.23	266	-1.37	306	-7.79	360
270	-3.58	281.7	-1.78	324	-16.43	
285	-5.33	297.3	-3.49	342	-14.73	

300	-9.88	313	-7.62	360	-8.02
315	-27.78	328.6	-17.9		
330	-11.55	344.3	-13.93		
345	-7.53	360	-7.28		
360	-5.77				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-5.86	0	-6.95	0	-7.91
15	-6.97	15.6	-5.35	18	-6.29
30	-9.22	31.3	-4.86	36	-6.58
45	-11.9	46.9	-5.9	54	-7.32
60	-15.09	62.6	-8.16	72	-7.45
75	-18.97	78.2	-10.66	90	-6.83
90	-23.08	93.9	-11.31	108	-5.51
105	-27.6	109.5	-9.53	126	-4.4
120	-18.05	125.2	-7.26	144	-4.39
135	-11.47	140.8	-5.86	162	-6.04
150	-7.62	156.5	-5.69	180	-8.44
165	-5.84	172.1	-6.41	198	-7.96
180	-6.34	187.8	-6.78	216	-5.15
195	-7.5	203.4	-5.74	234	-3.3
210	-6.85	219.1	-4.43	252	-2.66
225	-5.05	234.7	-3.26	270	-2.86
240	-3.7	250.4	-1.92	288	-4.21
255	-3.17	266	-1.24	306	-7.64
270	-3.53	281.7	-1.62	324	-16.59
285	-5.28	297.3	-3.38	342	-14.75
300	-9.87	313	-7.55	360	-7.91
315	-27.04	328.6	-18.01		
330	-11.44	344.3	-13.43		
345	-7.52	360	-6.95		
360	-5.86				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-6.08	0	-6.93	0	-8.15
15	-7.21	15.6	-5.38	18	-6.57
30	-9.41	31.3	-5	36	-6.88
45	-12.05	46.9	-6.18	54	-7.56
60	-15.47	62.6	-8.5	72	-7.55

75	-20.11	78.2	-10.94	90	-6.83	105.8
90	-25.55	93.9	-11.34	108	-5.5	127
105	-29.94	109.5	-9.45	126	-4.42	148.2
120	-18.32	125.2	-7.22	144	-4.48	169.4
135	-11.77	140.8	-5.86	162	-6.23	190.5
150	-7.95	156.5	-5.75	180	-8.78	211.7
165	-6.15	172.1	-6.62	198	-8.22	232.9
180	-6.64	187.8	-7.15	216	-5.24	254.1
195	-7.85	203.4	-6.03	234	-3.34	275.2
210	-7.19	219.1	-4.58	252	-2.7	296.4
225	-5.27	234.7	-3.39	270	-2.89	317.6
240	-3.85	250.4	-2.06	288	-4.26	338.8
255	-3.3	266	-1.33	306	-7.7	360
270	-3.7	281.7	-1.75	324	-16.71	
285	-5.49	297.3	-3.52	342	-15.02	
300	-10.12	313	-7.74	360	-8.15	
315	-26.75	328.6	-18.32			
330	-11.5	344.3	-13.35			
345	-7.67	360	-6.93			
360	-6.08					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-6.47	0	-7.21	0	-8.58	0
15	-7.56	15.6	-5.71	18	-7.06	21.1
30	-9.68	31.3	-5.42	36	-7.4	42.3
45	-12.24	46.9	-6.66	54	-7.97	63.5
60	-15.85	62.6	-9.07	72	-7.87	84.7
75	-21.36	78.2	-11.39	90	-7.11	105.8
90	-28.47	93.9	-11.6	108	-5.77	127
105	-30.72	109.5	-9.65	126	-4.73	148.2
120	-18.69	125.2	-7.45	144	-4.83	169.4
135	-12.33	140.8	-6.13	162	-6.65	190.5
150	-8.54	156.5	-6.1	180	-9.32	211.7
165	-6.7	172.1	-7.11	198	-8.65	232.9
180	-7.17	187.8	-7.74	216	-5.55	254.1
195	-8.39	203.4	-6.53	234	-3.62	275.2
210	-7.76	219.1	-4.97	252	-3	296.4
225	-5.7	234.7	-3.73	270	-3.21	317.6
240	-4.25	250.4	-2.42	288	-4.59	338.8
255	-3.71	266	-1.74	306	-8.06	360
270	-4.12	281.7	-2.15	324	-16.99	

285	-5.95	297.3	-3.94	342	-15.41
300	-10.64	313	-8.17	360	-8.58
315	-26.78	328.6	-18.63		
330	-11.77	344.3	-13.51		
345	-8.04	360	-7.21		
360	-6.47				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-6.02	0	-6.72	0	-8.15
15	-7.1	15.6	-5.27	18	-6.71
30	-9.12	31.3	-5.04	36	-7.11
45	-11.64	46.9	-6.42	54	-7.64
60	-15.46	62.6	-8.88	72	-7.49
75	-21.72	78.2	-11.11	90	-6.7
90	-31.35	93.9	-11.12	108	-5.35
105	-29.97	109.5	-9.15	126	-4.31
120	-18.42	125.2	-6.98	144	-4.44
135	-12.16	140.8	-5.68	162	-6.31
150	-8.42	156.5	-5.7	180	-9.03
165	-6.52	172.1	-6.8	198	-8.24
180	-6.94	187.8	-7.53	216	-5.12
195	-8.15	203.4	-6.26	234	-3.17
210	-7.47	219.1	-4.58	252	-2.56
225	-5.36	234.7	-3.32	270	-2.8
240	-3.89	250.4	-2.05	288	-4.22
255	-3.37	266	-1.38	306	-7.75
270	-3.82	281.7	-1.82	324	-16.77
285	-5.7	297.3	-3.67	342	-14.71
300	-10.48	313	-7.97	360	-8.15
315	-25.72	328.6	-18.35		
330	-11.23	344.3	-12.82		
345	-7.59	360	-6.72		
360	-6.02				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-5.73	0	-6.36	0	-7.77
15	-6.78	15.6	-4.98	18	-6.47
30	-8.76	31.3	-4.86	36	-6.91
45	-11.27	46.9	-6.33	54	-7.44

60	-15.32	62.6	-8.87	72	-7.27	84.7
75	-22.48	78.2	-10.99	90	-6.45	105.8
90	-37.32	93.9	-10.8	108	-5.08	127
105	-28.1	109.5	-8.78	126	-4.03	148.2
120	-18.05	125.2	-6.64	144	-4.18	169.4
135	-12.12	140.8	-5.36	162	-6.06	190.5
150	-8.4	156.5	-5.41	180	-8.82	211.7
165	-6.51	172.1	-6.59	198	-7.95	232.9
180	-6.84	187.8	-7.4	216	-4.79	254.1
195	-8.02	203.4	-6.07	234	-2.84	275.2
210	-7.3	219.1	-4.28	252	-2.23	296.4
225	-5.15	234.7	-3	270	-2.53	317.6
240	-3.68	250.4	-1.79	288	-4.01	338.8
255	-3.19	266	-1.16	306	-7.67	360
270	-3.7	281.7	-1.65	324	-17.06	
285	-5.68	297.3	-3.57	342	-14.12	
300	-10.64	313	-8.03	360	-7.77	
315	-25	328.6	-18.6			
330	-10.73	344.3	-12.15			
345	-7.21	360	-6.36			
360	-5.73					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-6.28	0	-6.82	0	-8.23	0
15	-7.36	15.6	-5.55	18	-7.02	21.1
30	-9.33	31.3	-5.54	36	-7.54	42.3
45	-11.87	46.9	-7.13	54	-8.05	63.5
60	-16.21	62.6	-9.73	72	-7.88	84.7
75	-24.5	78.2	-11.72	90	-7.04	105.8
90	-39.84	93.9	-11.3	108	-5.67	127
105	-26	109.5	-9.23	126	-4.6	148.2
120	-18.32	125.2	-7.11	144	-4.74	169.4
135	-12.81	140.8	-5.85	162	-6.65	190.5
150	-9.23	156.5	-5.93	180	-9.4	211.7
165	-7.28	172.1	-7.15	198	-8.5	232.9
180	-7.56	187.8	-8.04	216	-5.32	254.1
195	-8.7	203.4	-6.68	234	-3.37	275.2
210	-7.95	219.1	-4.83	252	-2.77	296.4
225	-5.82	234.7	-3.54	270	-3.1	317.6
240	-4.35	250.4	-2.38	288	-4.64	338.8
255	-3.87	266	-1.86	306	-8.43	360

270	-4.44	281.7	-2.31	324	-18.45
285	-6.57	297.3	-4.32	342	-14.42
300	-11.86	313	-8.97	360	-8.23
315	-24.85	328.6	-20.24		
330	-10.97	344.3	-12.37		
345	-7.64	360	-6.82		
360	-6.28				

90		105		120	
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)
0	-6.64	0	-7.1	0	-8.5
15	-7.75	15.6	-5.89	18	-7.37
30	-9.68	31.3	-5.99	36	-7.89
45	-12.29	46.9	-7.68	54	-8.39
60	-16.83	62.6	-10.3	72	-8.21
75	-25.59	78.2	-12.13	90	-7.36
90	-30.73	93.9	-11.49	108	-5.96
105	-23.6	109.5	-9.41	126	-4.91
120	-17.89	125.2	-7.29	144	-5.07
135	-13.02	140.8	-6.08	162	-6.97
150	-9.67	156.5	-6.17	180	-9.72
165	-7.78	172.1	-7.47	198	-8.81
180	-8	187.8	-8.45	216	-5.62
195	-9.08	203.4	-7.07	234	-3.66
210	-8.35	219.1	-5.13	252	-3.07
225	-6.21	234.7	-3.85	270	-3.4
240	-4.73	250.4	-2.73	288	-4.98
255	-4.29	266	-2.18	306	-8.87
270	-4.92	281.7	-2.71	324	-19.54
285	-7.18	297.3	-4.77	342	-14.73
300	-12.86	313	-9.61	360	-8.5
315	-25.05	328.6	-21.92		
330	-11	344.3	-12.57		
345	-7.87	360	-7.1		
360	-6.64				

90		105		120	
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)
0	-6.11	0	-9.08	0	-7.86
15	-7.23	15.6	-8.9	18	-11.64
					21.1

30	-10.92	31.3	-11.01	36	-21.82	42.3
45	-16.69	46.9	-15.52	54	-15.13	63.5
60	-14.88	62.6	-13.98	72	-9.81	84.7
75	-10.96	78.2	-10.31	90	-7.63	105.8
90	-9.3	93.9	-8.61	108	-7.06	127
105	-8.97	109.5	-8.13	126	-7.12	148.2
120	-9.08	125.2	-8.04	144	-7.06	169.4
135	-8.92	140.8	-7.79	162	-6.76	190.5
150	-8.38	156.5	-7.54	180	-7.18	211.7
165	-7.58	172.1	-7.56	198	-6.95	232.9
180	-7.16	187.8	-7.22	216	-6.1	254.1
195	-7.57	203.4	-7.05	234	-7.09	275.2
210	-7.09	219.1	-8.04	252	-10.23	296.4
225	-7	234.7	-9.03	270	-16.44	317.6
240	-7.97	250.4	-9.36	288	-29.83	338.8
255	-9.56	266	-11.1	306	-14.92	360
270	-11.76	281.7	-15.88	324	-9.84	
285	-15.53	297.3	-33.17	342	-7.84	
300	-25.49	313	-18.9	360	-7.86	
315	-20.48	328.6	-13.2			
330	-11.43	344.3	-10.69			
345	-8.13	360	-9.08			
360	-6.11					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-6	0	-8.99	0	-7.6	0
15	-7.26	15.6	-8.87	18	-11.62	21.1
30	-11.21	31.3	-11.13	36	-22.9	42.3
45	-17.06	46.9	-15.7	54	-14.27	63.5
60	-13.95	62.6	-13.25	72	-9.09	84.7
75	-10.11	78.2	-9.55	90	-7.01	105.8
90	-8.56	93.9	-7.92	108	-6.52	127
105	-8.38	109.5	-7.53	126	-6.69	148.2
120	-8.65	125.2	-7.55	144	-6.71	169.4
135	-8.62	140.8	-7.4	162	-6.41	190.5
150	-8.11	156.5	-7.17	180	-6.81	211.7
165	-7.28	172.1	-7.18	198	-6.59	232.9
180	-6.79	187.8	-6.83	216	-5.74	254.1
195	-7.15	203.4	-6.65	234	-6.73	275.2
210	-6.66	219.1	-7.62	252	-9.92	296.4
225	-6.56	234.7	-8.61	270	-16.17	317.6

240	-7.56	250.4	-8.92	288	-25.91	338.8
255	-9.19	266	-10.67	306	-14.24	360
270	-11.45	281.7	-15.44	324	-9.42	
285	-15.25	297.3	-31.3	342	-7.48	
300	-25.06	313	-18.62	360	-7.6	
315	-19.87	328.6	-12.93			
330	-11.13	344.3	-10.52			
345	-7.91	360	-8.99			
360	-6					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-6.21	0	-9.22	0	-7.71	0
15	-7.63	15.6	-9.18	18	-11.97	21.1
30	-11.89	31.3	-11.64	36	-24.9	42.3
45	-17.76	46.9	-16.29	54	-13.76	63.5
60	-13.42	62.6	-12.9	72	-8.69	84.7
75	-9.67	78.2	-9.17	90	-6.69	105.8
90	-8.23	93.9	-7.59	108	-6.3	127
105	-8.12	109.5	-7.28	126	-6.56	148.2
120	-8.53	125.2	-7.38	144	-6.66	169.4
135	-8.64	140.8	-7.34	162	-6.39	190.5
150	-8.19	156.5	-7.14	180	-6.77	211.7
165	-7.34	172.1	-7.15	198	-6.55	232.9
180	-6.8	187.8	-6.79	216	-5.7	254.1
195	-7.13	203.4	-6.6	234	-6.72	275.2
210	-6.63	219.1	-7.58	252	-9.97	296.4
225	-6.55	234.7	-8.59	270	-16.32	317.6
240	-7.62	250.4	-8.87	288	-23.36	338.8
255	-9.34	266	-10.63	306	-13.84	360
270	-11.64	281.7	-15.32	324	-9.31	
285	-15.54	297.3	-28.92	342	-7.47	
300	-25.07	313	-18.46	360	-7.71	
315	-19.26	328.6	-12.95			
330	-11.13	344.3	-10.63			
345	-8.01	360	-9.22			
360	-6.21					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-5.82	0	-8.91	0	-7.28	0

15	-7.41	15.6	-8.92	18	-11.88	21.1
30	-12.03	31.3	-11.64	36	-27.22	42.3
45	-17.65	46.9	-16.25	54	-12.54	63.5
60	-12.15	62.6	-11.83	72	-7.69	84.7
75	-8.55	78.2	-8.16	90	-5.78	105.8
90	-7.23	93.9	-6.65	108	-5.48	127
105	-7.21	109.5	-6.39	126	-5.84	148.2
120	-7.75	125.2	-6.61	144	-6.05	169.4
135	-7.99	140.8	-6.69	162	-5.77	190.5
150	-7.63	156.5	-6.55	180	-6.16	211.7
165	-6.8	172.1	-6.54	198	-5.94	232.9
180	-6.2	187.8	-6.21	216	-5.07	254.1
195	-6.56	203.4	-5.98	234	-6.11	275.2
210	-6.06	219.1	-6.95	252	-9.43	296.4
225	-5.97	234.7	-7.97	270	-15.86	317.6
240	-7.11	250.4	-8.25	288	-20.99	338.8
255	-8.93	266	-9.99	306	-12.88	360
270	-11.32	281.7	-14.63	324	-8.67	
285	-15.27	297.3	-25.86	342	-6.93	
300	-24.06	313	-17.67	360	-7.28	
315	-17.92	328.6	-12.42			
330	-10.44	344.3	-10.23			
345	-7.46	360	-8.91			
360	-5.82					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-5.6	0	-8.84	0	-7.08	0
15	-7.37	15.6	-8.94	18	-12.02	21.1
30	-12.44	31.3	-11.9	36	-28.71	42.3
45	-17.24	46.9	-16.28	54	-11.49	63.5
60	-11.01	62.6	-10.86	72	-6.86	84.7
75	-7.59	78.2	-7.29	90	-5.08	105.8
90	-6.37	93.9	-5.88	108	-4.87	127
105	-6.43	109.5	-5.7	126	-5.36	148.2
120	-7.08	125.2	-6.03	144	-5.64	169.4
135	-7.51	140.8	-6.24	162	-5.4	190.5
150	-7.26	156.5	-6.17	180	-5.75	211.7
165	-6.43	172.1	-6.17	198	-5.53	232.9
180	-5.8	187.8	-5.83	216	-4.61	254.1
195	-6.15	203.4	-5.56	234	-5.65	275.2
210	-5.68	219.1	-6.52	252	-9.04	296.4

225	-5.57	234.7	-7.58	270	-15.47	317.6
240	-6.78	250.4	-7.81	288	-19.24	338.8
255	-8.7	266	-9.54	306	-12.15	360
270	-11.2	281.7	-14.03	324	-8.21	
285	-15.19	297.3	-23.28	342	-6.6	
300	-22.86	313	-17.04	360	-7.08	
315	-16.78	328.6	-12.15			
330	-9.94	344.3	-10.07			
345	-7.11	360	-8.84			
360	-5.6					

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-5.46	0	-8.87	0	-6.91
15	-7.44	15.6	-9.01	18	-12.22
30	-12.93	31.3	-12.26	36	-27.39
45	-16.52	46.9	-16.09	54	-10.54
60	-9.92	62.6	-9.98	72	-6.13
75	-6.71	78.2	-6.54	90	-4.46
90	-5.59	93.9	-5.2	108	-4.34
105	-5.75	109.5	-5.1	126	-4.94
120	-6.51	125.2	-5.54	144	-5.32
135	-7.1	140.8	-5.87	162	-5.06
150	-6.95	156.5	-5.85	180	-5.38
165	-6.14	172.1	-5.85	198	-5.16
180	-5.42	187.8	-5.49	216	-4.2
195	-5.81	203.4	-5.18	234	-5.22
210	-5.34	219.1	-6.16	252	-8.67
225	-5.22	234.7	-7.27	270	-15.04
240	-6.47	250.4	-7.46	288	-17.81
255	-8.54	266	-9.13	306	-11.42
270	-11.16	281.7	-13.47	324	-7.79
285	-15.13	297.3	-21.12	342	-6.31
300	-21.43	313	-16.44	360	-6.91
315	-15.77	328.6	-11.97		
330	-9.51	344.3	-10		
345	-6.83	360	-8.87		
360	-5.46				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)

0	-5.48	0	-9.04	0	-6.91	0
15	-7.65	15.6	-9.26	18	-12.53	21.1
30	-13.58	31.3	-12.8	36	-25.12	42.3
45	-15.85	46.9	-15.9	54	-9.87	63.5
60	-9.22	62.6	-9.37	72	-5.66	84.7
75	-6.15	78.2	-6.05	90	-4.07	105.8
90	-5.1	93.9	-4.78	108	-4.03	127
105	-5.31	109.5	-4.72	126	-4.74	148.2
120	-6.17	125.2	-5.27	144	-5.22	169.4
135	-6.9	140.8	-5.72	162	-4.97	190.5
150	-6.84	156.5	-5.76	180	-5.26	211.7
165	-5.99	172.1	-5.74	198	-5.03	232.9
180	-5.22	187.8	-5.33	216	-4.01	254.1
195	-5.57	203.4	-4.99	234	-5.01	275.2
210	-5.16	219.1	-5.97	252	-8.47	296.4
225	-5.03	234.7	-7.15	270	-14.76	317.6
240	-6.35	250.4	-7.31	288	-16.54	338.8
255	-8.53	266	-8.91	306	-10.9	360
270	-11.26	281.7	-13.06	324	-7.53	
285	-15.21	297.3	-19.35	342	-6.19	
300	-20.21	313	-15.96	360	-6.91	
315	-14.97	328.6	-11.92			
330	-9.24	344.3	-10.1			
345	-6.69	360	-9.04			
360	-5.48					

	90		105		120	
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-5.7	0	-9.43	0	-7.11	0
15	-8.06	15.6	-9.73	18	-13.06	21.1
30	-14.47	31.3	-13.65	36	-23.14	42.3
45	-15.57	46.9	-15.87	54	-9.44	63.5
60	-8.87	62.6	-9.03	72	-5.4	84.7
75	-5.88	78.2	-5.81	90	-3.87	105.8
90	-4.88	93.9	-4.59	108	-3.93	127
105	-5.13	109.5	-4.59	126	-4.74	148.2
120	-6.07	125.2	-5.23	144	-5.33	169.4
135	-6.92	140.8	-5.79	162	-5.12	190.5
150	-6.94	156.5	-5.89	180	-5.37	211.7
165	-6.06	172.1	-5.86	198	-5.12	232.9
180	-5.2	187.8	-5.43	216	-4.04	254.1
195	-5.54	203.4	-5.05	234	-5	275.2

210	-5.18	219.1	-6.02	252	-8.47	296.4
225	-5.06	234.7	-7.27	270	-14.51	317.6
240	-6.41	250.4	-7.37	288	-15.44	338.8
255	-8.76	266	-8.86	306	-10.47	360
270	-11.62	281.7	-12.74	324	-7.46	
285	-15.5	297.3	-17.86	342	-6.24	
300	-19.22	313	-15.53	360	-7.11	
315	-14.33	328.6	-12.04			
330	-9.12	344.3	-10.34			
345	-6.76	360	-9.43			
360	-5.7					

90		105		120		
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	
0	-6.04	0	-9.95	0	-7.48	0
15	-8.64	15.6	-10.37	18	-13.91	21.1
30	-15.74	31.3	-14.85	36	-20.82	42.3
45	-15.37	46.9	-15.78	54	-9.03	63.5
60	-8.65	62.6	-8.76	72	-5.17	84.7
75	-5.76	78.2	-5.66	90	-3.74	105.8
90	-4.79	93.9	-4.5	108	-3.87	127
105	-5.07	109.5	-4.56	126	-4.82	148.2
120	-6.06	125.2	-5.28	144	-5.56	169.4
135	-7.07	140.8	-5.99	162	-5.42	190.5
150	-7.19	156.5	-6.18	180	-5.64	211.7
165	-6.31	172.1	-6.16	198	-5.38	232.9
180	-5.34	187.8	-5.71	216	-4.21	254.1
195	-5.65	203.4	-5.28	234	-5.13	275.2
210	-5.32	219.1	-6.21	252	-8.59	296.4
225	-5.21	234.7	-7.5	270	-14.18	317.6
240	-6.57	250.4	-7.55	288	-14.38	338.8
255	-9.05	266	-8.9	306	-10.14	360
270	-12.06	281.7	-12.45	324	-7.49	
285	-15.79	297.3	-16.53	342	-6.44	
300	-18.4	313	-15.02	360	-7.48	
315	-13.87	328.6	-12.15			
330	-9.1	344.3	-10.69			
345	-6.9	360	-9.95			
360	-6.04					

90

105

120

Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-6.64	0	-10.74	0	-8.16	0	
15	-9.53	15.6	-11.32	18	-15.2	21.1	
30	-17.64	31.3	-16.45	36	-18.65	42.3	
45	-15.1	46.9	-15.51	54	-8.66	63.5	
60	-8.48	62.6	-8.56	72	-5.07	84.7	
75	-5.72	78.2	-5.62	90	-3.75	105.8	
90	-4.84	93.9	-4.53	108	-3.99	127	
105	-5.15	109.5	-4.67	126	-5.1	148.2	
120	-6.21	125.2	-5.5	144	-6.05	169.4	
135	-7.38	140.8	-6.37	162	-5.95	190.5	
150	-7.66	156.5	-6.7	180	-6.15	211.7	
165	-6.79	172.1	-6.71	198	-5.88	232.9	
180	-5.73	187.8	-6.23	216	-4.61	254.1	
195	-5.96	203.4	-5.71	234	-5.51	275.2	
210	-5.64	219.1	-6.62	252	-8.96	296.4	
225	-5.49	234.7	-7.97	270	-14.07	317.6	
240	-6.89	250.4	-7.91	288	-13.54	338.8	
255	-9.43	266	-9.11	306	-9.93	360	
270	-12.56	281.7	-12.25	324	-7.7		
285	-16.04	297.3	-15.39	342	-6.9		
300	-17.64	313	-14.56	360	-8.16		
315	-13.58	328.6	-12.43				
330	-9.29	344.3	-11.28				
345	-7.24	360	-10.74				
360	-6.64						

90		105		120			
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-7.37	0	-11.74	0	-9	0	
15	-10.69	15.6	-12.52	18	-16.9	21.1	
30	-20.16	31.3	-18.3	36	-16.83	42.3	
45	-14.39	46.9	-14.91	54	-8.32	63.5	
60	-8.21	62.6	-8.34	72	-4.99	84.7	
75	-5.65	78.2	-5.56	90	-3.81	105.8	
90	-4.85	93.9	-4.58	108	-4.17	127	
105	-5.22	109.5	-4.79	126	-5.46	148.2	
120	-6.36	125.2	-5.75	144	-6.6	169.4	
135	-7.75	140.8	-6.82	162	-6.55	190.5	
150	-8.28	156.5	-7.31	180	-6.69	211.7	
165	-7.4	172.1	-7.34	198	-6.43	232.9	
180	-6.22	187.8	-6.83	216	-5.06	254.1	

195	-6.39	203.4	-6.19	234	-5.95	275.2
210	-6.05	219.1	-7.1	252	-9.47	296.4
225	-5.85	234.7	-8.54	270	-14.03	317.6
240	-7.24	250.4	-8.37	288	-12.82	338.8
255	-9.85	266	-9.41	306	-9.69	360
270	-13.02	281.7	-12.1	324	-7.94	
285	-16.14	297.3	-14.4	342	-7.44	
300	-16.82	313	-13.97	360	-9	
315	-13.35	328.6	-12.69			
330	-9.55	344.3	-12.02			
345	-7.73	360	-11.74			
360	-7.37					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-8.09	0	-12.61	0	-9.74	0
15	-11.86	15.6	-13.59	18	-18.72	21.1
30	-22.46	31.3	-19.83	36	-15.34	42.3
45	-13.4	46.9	-13.94	54	-7.87	63.5
60	-7.77	62.6	-7.93	72	-4.82	84.7
75	-5.4	78.2	-5.35	90	-3.78	105.8
90	-4.71	93.9	-4.47	108	-4.25	127
105	-5.16	109.5	-4.78	126	-5.71	148.2
120	-6.43	125.2	-5.89	144	-7.04	169.4
135	-8.05	140.8	-7.16	162	-6.99	190.5
150	-8.83	156.5	-7.78	180	-7.06	211.7
165	-7.94	172.1	-7.78	198	-6.82	232.9
180	-6.6	187.8	-7.24	216	-5.39	254.1
195	-6.73	203.4	-6.49	234	-6.29	275.2
210	-6.36	219.1	-7.38	252	-9.96	296.4
225	-6.1	234.7	-9.02	270	-14.06	317.6
240	-7.52	250.4	-8.82	288	-12.12	338.8
255	-10.19	266	-9.68	306	-9.3	360
270	-13.43	281.7	-11.94	324	-7.97	
285	-16.03	297.3	-13.47	342	-7.78	
300	-15.85	313	-13.23	360	-9.74	
315	-12.86	328.6	-12.7			
330	-9.66	344.3	-12.53			
345	-8.09	360	-12.61			
360	-8.09					

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-8.53	0	-13.13	0	-10.21
15	-12.82	15.6	-14.33	18	-20.5
30	-23.19	31.3	-20.36	36	-14.22
45	-12.33	46.9	-12.95	54	-7.41
60	-7.2	62.6	-7.41	72	-4.56
75	-5	78.2	-5	90	-3.62
90	-4.42	93.9	-4.22	108	-4.19
105	-4.95	109.5	-4.63	126	-5.79
120	-6.34	125.2	-5.86	144	-7.25
135	-8.18	140.8	-7.32	162	-7.17
150	-9.16	156.5	-8	180	-7.12
165	-8.23	172.1	-7.92	198	-6.97
180	-6.69	187.8	-7.3	216	-5.5
195	-6.75	203.4	-6.48	234	-6.44
210	-6.46	219.1	-7.39	252	-10.31
225	-6.16	234.7	-9.33	270	-14.05
240	-7.64	250.4	-9.12	288	-11.41
255	-10.5	266	-9.87	306	-8.75
270	-13.87	281.7	-11.75	324	-7.72
285	-15.9	297.3	-12.6	342	-7.85
300	-14.78	313	-12.38	360	-10.21
315	-12.06	328.6	-12.38		
330	-9.44	344.3	-12.69		
345	-8.18	360	-13.13		
360	-8.53				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-9.26	0	-13.8	0	-10.99
15	-14.01	15.6	-15.16	18	-22.57
30	-22.81	31.3	-20.51	36	-13.71
45	-11.95	46.9	-12.55	54	-7.43
60	-7.15	62.6	-7.41	72	-4.68
75	-5.07	78.2	-5.13	90	-3.83
90	-4.55	93.9	-4.42	108	-4.49
105	-5.16	109.5	-4.87	126	-6.18
120	-6.67	125.2	-6.21	144	-7.72
135	-8.7	140.8	-7.81	162	-7.58
150	-9.81	156.5	-8.49	180	-7.43
165	-8.77	172.1	-8.27	198	-7.39

180	-7.07	187.8	-7.61	216	-5.94	254.1
195	-7.03	203.4	-6.77	234	-6.9	275.2
210	-6.85	219.1	-7.7	252	-10.97	296.4
225	-6.6	234.7	-10	270	-14.43	317.6
240	-8.19	250.4	-9.86	288	-11.21	338.8
255	-11.32	266	-10.51	306	-8.65	360
270	-14.92	281.7	-12.05	324	-7.8	
285	-16.43	297.3	-12.44	342	-8.23	
300	-14.44	313	-12.08	360	-10.99	
315	-11.71	328.6	-12.4			
330	-9.46	344.3	-13.05			
345	-8.53	360	-13.8			
360	-9.26					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-10.22	0	-14.64	0	-12.16	0
15	-15.44	15.6	-16.24	18	-25.08	21.1
30	-22.56	31.3	-20.83	36	-13.63	42.3
45	-12.07	46.9	-12.62	54	-7.74	63.5
60	-7.54	62.6	-7.76	72	-5.13	84.7
75	-5.54	78.2	-5.61	90	-4.34	105.8
90	-5.08	93.9	-4.95	108	-5.06	127
105	-5.74	109.5	-5.45	126	-6.81	148.2
120	-7.34	125.2	-6.86	144	-8.44	169.4
135	-9.53	140.8	-8.56	162	-8.29	190.5
150	-10.74	156.5	-9.28	180	-8.02	211.7
165	-9.6	172.1	-8.89	198	-8.09	232.9
180	-7.72	187.8	-8.21	216	-6.68	254.1
195	-7.59	203.4	-7.35	234	-7.63	275.2
210	-7.56	219.1	-8.24	252	-11.79	296.4
225	-7.38	234.7	-10.87	270	-14.87	317.6
240	-9.04	250.4	-10.91	288	-11.42	338.8
255	-12.43	266	-11.45	306	-8.95	360
270	-16.43	281.7	-12.7	324	-8.28	
285	-17.42	297.3	-12.7	342	-8.95	
300	-14.69	313	-12.26	360	-12.16	
315	-11.83	328.6	-12.72			
330	-9.83	344.3	-13.61			
345	-9.15	360	-14.64			
360	-10.22					

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-10.51	0	-14.75	0	-12.79
15	-16.23	15.6	-16.63	18	-26.69
30	-21.24	31.3	-20.24	36	-12.7
45	-11.4	46.9	-11.96	54	-7.27
60	-7.12	62.6	-7.35	72	-4.81
75	-5.24	78.2	-5.31	90	-4.11
90	-4.83	93.9	-4.72	108	-4.88
105	-5.55	109.5	-5.24	126	-6.71
120	-7.2	125.2	-6.73	144	-8.44
135	-9.52	140.8	-8.55	162	-8.33
150	-10.85	156.5	-9.35	180	-7.94
165	-9.68	172.1	-8.87	198	-8.06
180	-7.65	187.8	-8.12	216	-6.72
195	-7.39	203.4	-7.23	234	-7.59
210	-7.49	219.1	-8.06	252	-11.75
225	-7.35	234.7	-10.89	270	-14.34
240	-9.03	250.4	-11.11	288	-10.84
255	-12.6	266	-11.46	306	-8.56
270	-16.89	281.7	-12.46	324	-8.09
285	-17.5	297.3	-12.24	342	-9.05
300	-14.29	313	-11.78	360	-12.79
315	-11.41	328.6	-12.33		
330	-9.54	344.3	-13.42		
345	-9.06	360	-14.75		
360	-10.51				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-10.91	0	-14.89	0	-13.62
15	-17.38	15.6	-17.06	18	-26.8
30	-19.43	31.3	-19.02	36	-11.72
45	-10.56	46.9	-11.1	54	-6.74
60	-6.62	62.6	-6.86	72	-4.44
75	-4.88	78.2	-4.93	90	-3.83
90	-4.54	93.9	-4.38	108	-4.68
105	-5.29	109.5	-4.98	126	-6.62
120	-7.01	125.2	-6.53	144	-8.47
135	-9.46	140.8	-8.5	162	-8.4
150	-11.01	156.5	-9.45	180	-7.84

165	-9.77	172.1	-8.91	198	-8.01	232.9
180	-7.58	187.8	-8.1	216	-6.7	254.1
195	-7.2	203.4	-7.15	234	-7.59	275.2
210	-7.35	219.1	-7.86	252	-11.72	296.4
225	-7.26	234.7	-10.78	270	-13.69	317.6
240	-8.94	250.4	-11.13	288	-10.14	338.8
255	-12.58	266	-11.25	306	-8.09	360
270	-16.83	281.7	-11.95	324	-7.89	
285	-17.15	297.3	-11.62	342	-9.15	
300	-13.83	313	-11.26	360	-13.62	
315	-11.05	328.6	-11.94			
330	-9.36	344.3	-13.2			
345	-9.05	360	-14.89			
360	-10.91					

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-12.05	0	-15.56	0	-15.17
15	-19.24	15.6	-17.73	18	-25.9
30	-18.12	31.3	-18.09	36	-11.55
45	-10.4	46.9	-10.94	54	-6.96
60	-6.76	62.6	-7.02	72	-4.82
75	-5.17	78.2	-5.22	90	-4.3
90	-4.9	93.9	-4.74	108	-5.22
105	-5.71	109.5	-5.39	126	-7.23
120	-7.48	125.2	-7.01	144	-9.29
135	-10.09	140.8	-9.16	162	-9.17
150	-11.86	156.5	-10.31	180	-8.37
165	-10.54	172.1	-9.66	198	-8.57
180	-8.14	187.8	-8.69	216	-7.39
195	-7.64	203.4	-7.67	234	-8.33
210	-7.84	219.1	-8.34	252	-12.57
225	-7.81	234.7	-11.38	270	-13.93
240	-9.5	250.4	-11.8	288	-10.21
255	-13.19	266	-11.66	306	-8.32
270	-17.25	281.7	-12	324	-8.33
285	-17.02	297.3	-11.56	342	-9.88
300	-13.92	313	-11.3	360	-15.17
315	-11.33	328.6	-12.13		
330	-9.87	344.3	-13.55		
345	-9.73	360	-15.56		
360	-12.05				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-12.76	0	-15.49	0	-16.22
15	-20.15	15.6	-17.5	18	-24.61
30	-16.8	31.3	-16.92	36	-11.38
45	-10.04	46.9	-10.6	54	-7.02
60	-6.69	62.6	-7.01	72	-4.99
75	-5.21	78.2	-5.29	90	-4.56
90	-5.02	93.9	-4.84	108	-5.53
105	-5.84	109.5	-5.54	126	-7.65
120	-7.68	125.2	-7.24	144	-9.81
135	-10.46	140.8	-9.57	162	-9.57
150	-12.39	156.5	-10.85	180	-8.55
165	-10.89	172.1	-10.02	198	-8.74
180	-8.35	187.8	-8.92	216	-7.74
195	-7.71	203.4	-7.9	234	-8.8
210	-7.99	219.1	-8.52	252	-13.26
225	-8.06	234.7	-11.76	270	-14.05
240	-9.83	250.4	-12.28	288	-10.13
255	-13.62	266	-11.87	306	-8.3
270	-17.47	281.7	-11.83	324	-8.43
285	-16.58	297.3	-11.2	342	-10.21
300	-13.52	313	-11.02	360	-16.22
315	-11.17	328.6	-11.94		
330	-9.95	344.3	-13.4		
345	-10.04	360	-15.49		
360	-12.76				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-3.25	0	-5.88	0	-5.83
15	-3.84	15.6	-4.66	18	-5.4
30	-5.86	31.3	-4.22	36	-5.21
45	-8.05	46.9	-4.48	54	-4.95
60	-8.48	62.6	-4.95	72	-4.54
75	-7.63	78.2	-5.32	90	-4.31
90	-7.26	93.9	-5.8	108	-4.47
105	-7.72	109.5	-6.27	126	-4.75
120	-8.31	125.2	-6.37	144	-4.89

135	-7.83	140.8	-5.96	162	-4.82	190.5
150	-6.36	156.5	-5.5	180	-4.95	211.7
165	-5.04	172.1	-5.15	198	-4.33	232.9
180	-4.62	187.8	-4.35	216	-3.24	254.1
195	-4.62	203.4	-3.57	234	-3.29	275.2
210	-3.85	219.1	-3.64	252	-4.09	296.4
225	-3.32	234.7	-3.51	270	-5.04	317.6
240	-3.44	250.4	-2.91	288	-6.34	338.8
255	-3.88	266	-2.94	306	-8.07	360
270	-4.83	281.7	-3.82	324	-8.75	
285	-6.97	297.3	-5.71	342	-7.46	
300	-11.61	313	-8.98	360	-5.83	
315	-16.38	328.6	-11.83			
330	-8.72	344.3	-9.4			
345	-5.35	360	-5.88			
360	-3.25					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-2.98	0	-5.66	0	-5.59	0
15	-3.65	15.6	-4.43	18	-5.26	21.1
30	-5.78	31.3	-4	36	-5.1	42.3
45	-8	46.9	-4.32	54	-4.76	63.5
60	-8.24	62.6	-4.72	72	-4.24	84.7
75	-7.25	78.2	-5.07	90	-3.92	105.8
90	-6.85	93.9	-5.46	108	-3.99	127
105	-7.37	109.5	-5.87	126	-4.22	148.2
120	-8.02	125.2	-5.88	144	-4.37	169.4
135	-7.46	140.8	-5.41	162	-4.38	190.5
150	-5.88	156.5	-4.94	180	-4.6	211.7
165	-4.52	172.1	-4.64	198	-4.02	232.9
180	-4.1	187.8	-3.92	216	-2.89	254.1
195	-4.15	203.4	-3.19	234	-2.89	275.2
210	-3.43	219.1	-3.26	252	-3.66	296.4
225	-2.9	234.7	-3.14	270	-4.59	317.6
240	-3.01	250.4	-2.51	288	-5.85	338.8
255	-3.49	266	-2.46	306	-7.59	360
270	-4.46	281.7	-3.37	324	-8.35	
285	-6.67	297.3	-5.31	342	-7.13	
300	-11.56	313	-8.66	360	-5.59	
315	-16.67	328.6	-11.67			
330	-8.38	344.3	-9.21			

345	-4.99	360	-5.66
360	-2.98		

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-3.11	0	-5.82	0	-5.72
15	-3.88	15.6	-4.63	18	-5.55
30	-6.12	31.3	-4.27	36	-5.46
45	-8.39	46.9	-4.62	54	-5.03
60	-8.41	62.6	-5.01	72	-4.35
75	-7.26	78.2	-5.25	90	-3.91
90	-6.82	93.9	-5.53	108	-3.9
105	-7.33	109.5	-5.83	126	-4.09
120	-8.02	125.2	-5.75	144	-4.26
135	-7.43	140.8	-5.26	162	-4.34
150	-5.78	156.5	-4.81	180	-4.63
165	-4.39	172.1	-4.57	198	-4.09
180	-4.01	187.8	-3.93	216	-2.95
195	-4.13	203.4	-3.24	234	-2.93
210	-3.45	219.1	-3.32	252	-3.69
225	-2.93	234.7	-3.19	270	-4.61
240	-3.05	250.4	-2.54	288	-5.84
255	-3.52	266	-2.41	306	-7.54
270	-4.49	281.7	-3.39	324	-8.29
285	-6.73	297.3	-5.35	342	-7.12
300	-11.79	313	-8.74	360	-5.72
315	-16.99	328.6	-11.78		
330	-8.43	344.3	-9.32		
345	-5.05	360	-5.82		
360	-3.11				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-2.65	0	-5.37	0	-5.22
15	-3.54	15.6	-4.22	18	-5.2
30	-5.93	31.3	-3.94	36	-5.18
45	-8.26	46.9	-4.36	54	-4.67
60	-7.95	62.6	-4.72	72	-3.82
75	-6.6	78.2	-4.84	90	-3.27
90	-6.11	93.9	-4.97	108	-3.22
105	-6.61	109.5	-5.14	126	-3.38

120	-7.32	125.2	-5	144	-3.57	169.4
135	-6.73	140.8	-4.51	162	-3.69	190.5
150	-5.06	156.5	-4.11	180	-4.06	211.7
165	-3.69	172.1	-3.92	198	-3.55	232.9
180	-3.35	187.8	-3.37	216	-2.37	254.1
195	-3.55	203.4	-2.69	234	-2.36	275.2
210	-2.91	219.1	-2.79	252	-3.12	296.4
225	-2.38	234.7	-2.63	270	-4.03	317.6
240	-2.5	250.4	-1.95	288	-5.21	338.8
255	-2.96	266	-1.9	306	-6.91	360
270	-3.93	281.7	-2.71	324	-7.7	
285	-6.17	297.3	-4.73	342	-6.55	
300	-11.27	313	-8.25	360	-5.22	
315	-16.26	328.6	-11.36			
330	-7.79	344.3	-8.84			
345	-4.49	360	-5.37			
360	-2.65					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-2.35	0	-5.1	0	-4.9	0
15	-3.38	15.6	-4	18	-4.99	21.1
30	-5.99	31.3	-3.79	36	-5.06	42.3
45	-8.32	46.9	-4.29	54	-4.45	63.5
60	-7.66	62.6	-4.61	72	-3.45	84.7
75	-6.09	78.2	-4.57	90	-2.81	105.8
90	-5.52	93.9	-4.53	108	-2.7	127
105	-6.01	109.5	-4.59	126	-2.86	148.2
120	-6.74	125.2	-4.41	144	-3.05	169.4
135	-6.21	140.8	-3.96	162	-3.23	190.5
150	-4.56	156.5	-3.61	180	-3.65	211.7
165	-3.21	172.1	-3.49	198	-3.2	232.9
180	-2.9	187.8	-3.01	216	-1.99	254.1
195	-3.18	203.4	-2.35	234	-1.95	275.2
210	-2.58	219.1	-2.42	252	-2.73	296.4
225	-2.02	234.7	-2.27	270	-3.63	317.6
240	-2.14	250.4	-1.54	288	-4.78	338.8
255	-2.59	266	-1.36	306	-6.48	360
270	-3.55	281.7	-2.32	324	-7.31	
285	-5.79	297.3	-4.3	342	-6.19	
300	-10.97	313	-7.9	360	-4.9	
315	-15.66	328.6	-11.22			

330	-7.29	344.3	-8.58
345	-4.08	360	-5.1
360	-2.35		

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-2.06	0	-4.86	0	-4.59
15	-3.25	15.6	-3.77	18	-4.75
30	-6.07	31.3	-3.63	36	-4.86
45	-8.4	46.9	-4.19	54	-4.17
60	-7.32	62.6	-4.45	72	-3.04
75	-5.6	78.2	-4.25	90	-2.33
90	-4.98	93.9	-4.08	108	-2.19
105	-5.47	109.5	-4.03	126	-2.33
120	-6.21	125.2	-3.84	144	-2.54
135	-5.72	140.8	-3.44	162	-2.77
150	-4.1	156.5	-3.15	180	-3.29
165	-2.77	172.1	-3.1	198	-2.88
180	-2.48	187.8	-2.69	216	-1.62
195	-2.83	203.4	-2.03	234	-1.53
210	-2.27	219.1	-2.07	252	-2.31
225	-1.67	234.7	-1.91	270	-3.19
240	-1.75	250.4	-1.14	288	-4.32
255	-2.19	266	-1	306	-5.99
270	-3.14	281.7	-1.78	324	-6.94
285	-5.39	297.3	-3.79	342	-5.88
300	-10.58	313	-7.5	360	-4.59
315	-15.04	328.6	-11.14		
330	-6.81	344.3	-8.42		
345	-3.67	360	-4.86		
360	-2.06				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-1.92	0	-4.78	0	-4.46
15	-3.24	15.6	-3.67	18	-4.67
30	-6.26	31.3	-3.57	36	-4.82
45	-8.58	46.9	-4.16	54	-4.02
60	-7.18	62.6	-4.36	72	-2.79
75	-5.32	78.2	-4.04	90	-2.01
90	-4.67	93.9	-3.75	108	-1.86

105	-5.13	109.5	-3.64	126	-1.97	148.2
120	-5.87	125.2	-3.46	144	-2.19	169.4
135	-5.41	140.8	-3.1	162	-2.51	190.5
150	-3.82	156.5	-2.87	180	-3.12	211.7
165	-2.5	172.1	-2.89	198	-2.75	232.9
180	-2.25	187.8	-2.53	216	-1.4	254.1
195	-2.64	203.4	-1.85	234	-1.25	275.2
210	-2.11	219.1	-1.85	252	-1.99	296.4
225	-1.46	234.7	-1.67	270	-2.85	317.6
240	-1.5	250.4	-0.84	288	-3.96	338.8
255	-1.91	266	-0.65	306	-5.64	360
270	-2.82	281.7	-1.42	324	-6.71	
285	-5.03	297.3	-3.33	342	-5.73	
300	-10.15	313	-7.08	360	-4.46	
315	-14.61	328.6	-11.11			
330	-6.53	344.3	-8.48			
345	-3.44	360	-4.78			
360	-1.92					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-1.98	0	-4.9	0	-4.5	0
15	-3.4	15.6	-3.74	18	-4.73	21.1
30	-6.55	31.3	-3.63	36	-4.88	42.3
45	-8.83	46.9	-4.22	54	-4	63.5
60	-7.19	62.6	-4.37	72	-2.69	84.7
75	-5.24	78.2	-3.98	90	-1.87	105.8
90	-4.56	93.9	-3.59	108	-1.68	127
105	-5	109.5	-3.45	126	-1.77	148.2
120	-5.74	125.2	-3.27	144	-2.02	169.4
135	-5.32	140.8	-2.96	162	-2.45	190.5
150	-3.74	156.5	-2.79	180	-3.16	211.7
165	-2.43	172.1	-2.88	198	-2.8	232.9
180	-2.18	187.8	-2.56	216	-1.35	254.1
195	-2.63	203.4	-1.86	234	-1.09	275.2
210	-2.13	219.1	-1.79	252	-1.78	296.4
225	-1.41	234.7	-1.57	270	-2.62	317.6
240	-1.38	250.4	-0.69	288	-3.71	338.8
255	-1.75	266	-0.42	306	-5.41	360
270	-2.62	281.7	-1.15	324	-6.64	
285	-4.74	297.3	-3	342	-5.75	
300	-9.67	313	-6.68	360	-4.5	

315	-14.19	328.6	-11.12
330	-6.48	344.3	-8.73
345	-3.43	360	-4.9
360	-1.98		

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-2.17	0	-5.13	0	-4.64
15	-3.69	15.6	-3.93	18	-4.91
30	-6.94	31.3	-3.79	36	-5.05
45	-9.07	46.9	-4.36	54	-4.05
60	-7.21	62.6	-4.43	72	-2.65
75	-5.24	78.2	-3.96	90	-1.8
90	-4.55	93.9	-3.53	108	-1.58
105	-4.97	109.5	-3.35	126	-1.66
120	-5.71	125.2	-3.19	144	-1.95
135	-5.37	140.8	-2.95	162	-2.52
150	-3.83	156.5	-2.85	180	-3.35
165	-2.52	172.1	-3.01	198	-2.98
180	-2.28	187.8	-2.74	216	-1.39
195	-2.77	203.4	-1.99	234	-1.03
210	-2.28	219.1	-1.83	252	-1.65
225	-1.48	234.7	-1.56	270	-2.45
240	-1.38	250.4	-0.62	288	-3.53
255	-1.7	266	-0.33	306	-5.29
270	-2.5	281.7	-0.94	324	-6.67
285	-4.54	297.3	-2.78	342	-5.88
300	-9.19	313	-6.4	360	-4.64
315	-13.81	328.6	-11.06		
330	-6.57	344.3	-9.06		
345	-3.55	360	-5.13		
360	-2.17				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-2.63	0	-5.54	0	-5.01
15	-4.26	15.6	-4.3	18	-5.3
30	-7.59	31.3	-4.16	36	-5.36
45	-9.39	46.9	-4.68	54	-4.25
60	-7.27	62.6	-4.63	72	-2.78
75	-5.31	78.2	-4.08	90	-1.9

90	-4.65	93.9	-3.6	108	-1.69	127
105	-5.06	109.5	-3.44	126	-1.78	148.2
120	-5.86	125.2	-3.33	144	-2.14	169.4
135	-5.66	140.8	-3.15	162	-2.83	190.5
150	-4.19	156.5	-3.14	180	-3.77	211.7
165	-2.87	172.1	-3.36	198	-3.39	232.9
180	-2.63	187.8	-3.12	216	-1.67	254.1
195	-3.14	203.4	-2.32	234	-1.21	275.2
210	-2.64	219.1	-2.11	252	-1.76	296.4
225	-1.77	234.7	-1.78	270	-2.51	317.6
240	-1.6	250.4	-0.8	288	-3.58	338.8
255	-1.89	266	-0.45	306	-5.37	360
270	-2.65	281.7	-1.04	324	-6.95	
285	-4.58	297.3	-2.82	342	-6.24	
300	-8.98	313	-6.39	360	-5.01	
315	-13.51	328.6	-11.23			
330	-6.91	344.3	-9.51			
345	-3.93	360	-5.54			
360	-2.63					

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-3.24	0	-5.97	0	-5.44
15	-4.99	15.6	-4.72	18	-5.75
30	-8.33	31.3	-4.58	36	-5.74
45	-9.58	46.9	-5.05	54	-4.48
60	-7.23	62.6	-4.89	72	-2.94
75	-5.33	78.2	-4.22	90	-2.07
90	-4.71	93.9	-3.72	108	-1.86
105	-5.16	109.5	-3.58	126	-2
120	-6.03	125.2	-3.54	144	-2.43
135	-6.05	140.8	-3.44	162	-3.23
150	-4.69	156.5	-3.5	180	-4.25
165	-3.34	172.1	-3.79	198	-3.89
180	-3.08	187.8	-3.6	216	-2.04
195	-3.62	203.4	-2.75	234	-1.49
210	-3.11	219.1	-2.47	252	-1.98
225	-2.17	234.7	-2.11	270	-2.67
240	-1.95	250.4	-1.07	288	-3.71
255	-2.19	266	-0.7	306	-5.51
270	-2.92	281.7	-1.26	324	-7.28
285	-4.79	297.3	-2.99	342	-6.68

300	-8.94	313	-6.52	360	-5.44
315	-13.24	328.6	-11.47		
330	-7.3	344.3	-9.98		
345	-4.42	360	-5.97		
360	-3.24				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-3.77	0	-6.17	0	-5.78
15	-5.65	15.6	-4.94	18	-6.06
30	-8.9	31.3	-4.84	36	-5.94
45	-9.53	46.9	-5.25	54	-4.54
60	-6.98	62.6	-4.95	72	-2.95
75	-5.17	78.2	-4.19	90	-2.1
90	-4.61	93.9	-3.68	108	-1.93
105	-5.13	109.5	-3.59	126	-2.13
120	-6.14	125.2	-3.64	144	-2.63
135	-6.39	140.8	-3.6	162	-3.52
150	-5.13	156.5	-3.72	180	-4.63
165	-3.72	172.1	-4.07	198	-4.29
180	-3.43	187.8	-3.95	216	-2.3
195	-4.01	203.4	-3.05	234	-1.67
210	-3.5	219.1	-2.7	252	-2.1
225	-2.5	234.7	-2.33	270	-2.73
240	-2.22	250.4	-1.25	288	-3.71
255	-2.43	266	-0.77	306	-5.47
270	-3.15	281.7	-1.38	324	-7.39
285	-4.97	297.3	-3.08	342	-6.98
300	-8.9	313	-6.57	360	-5.78
315	-12.72	328.6	-11.56		
330	-7.5	344.3	-10.16		
345	-4.79	360	-6.17		
360	-3.77				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-3.98	0	-6.01	0	-5.9
15	-5.97	15.6	-4.83	18	-6.13
30	-9.05	31.3	-4.74	36	-5.89
45	-9.1	46.9	-5.12	54	-4.36
60	-6.54	62.6	-4.76	72	-2.75

75	-4.83	78.2	-3.96	90	-1.93	105.8
90	-4.36	93.9	-3.45	108	-1.79	127
105	-4.93	109.5	-3.41	126	-2.03	148.2
120	-6.06	125.2	-3.49	144	-2.58	169.4
135	-6.51	140.8	-3.52	162	-3.56	190.5
150	-5.31	156.5	-3.68	180	-4.72	211.7
165	-3.86	172.1	-4.09	198	-4.43	232.9
180	-3.5	187.8	-4.02	216	-2.31	254.1
195	-4.1	203.4	-3.08	234	-1.58	275.2
210	-3.64	219.1	-2.65	252	-1.97	296.4
225	-2.56	234.7	-2.3	270	-2.54	317.6
240	-2.23	250.4	-1.16	288	-3.45	338.8
255	-2.43	266	-0.68	306	-5.15	360
270	-3.14	281.7	-1.22	324	-7.19	
285	-4.92	297.3	-2.88	342	-7.04	
300	-8.66	313	-6.32	360	-5.9	
315	-11.93	328.6	-11.33			
330	-7.31	344.3	-10.03			
345	-4.83	360	-6.01			
360	-3.98					

	90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
0	-4.38	0	-6.12	0	-6.33	0
15	-6.38	15.6	-4.95	18	-6.46	21.1
30	-9.22	31.3	-4.88	36	-6.06	42.3
45	-8.99	46.9	-5.28	54	-4.48	63.5
60	-6.56	62.6	-4.91	72	-2.87	84.7
75	-4.93	78.2	-4.12	90	-2.06	105.8
90	-4.52	93.9	-3.62	108	-1.96	127
105	-5.15	109.5	-3.57	126	-2.2	148.2
120	-6.38	125.2	-3.67	144	-2.8	169.4
135	-6.96	140.8	-3.72	162	-3.84	190.5
150	-5.77	156.5	-3.9	180	-5.04	211.7
165	-4.25	172.1	-4.36	198	-4.78	232.9
180	-3.84	187.8	-4.36	216	-2.57	254.1
195	-4.41	203.4	-3.37	234	-1.76	275.2
210	-4.01	219.1	-2.86	252	-2.1	296.4
225	-2.88	234.7	-2.53	270	-2.6	317.6
240	-2.49	250.4	-1.39	288	-3.46	338.8
255	-2.67	266	-0.83	306	-5.14	360
270	-3.38	281.7	-1.36	324	-7.27	

285	-5.16	297.3	-3	342	-7.4
300	-8.75	313	-6.37	360	-6.33
315	-11.58	328.6	-11.41		
330	-7.35	344.3	-10.19		
345	-5.07	360	-6.12		
360	-4.38				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-4.94	0	-6.49	0	-7
15	-6.91	15.6	-5.34	18	-6.99
30	-9.47	31.3	-5.29	36	-6.47
45	-9.14	46.9	-5.68	54	-4.84
60	-6.94	62.6	-5.35	72	-3.28
75	-5.42	78.2	-4.59	90	-2.5
90	-5.06	93.9	-4.1	108	-2.39
105	-5.73	109.5	-4.05	126	-2.64
120	-7.03	125.2	-4.14	144	-3.26
135	-7.7	140.8	-4.17	162	-4.38
150	-6.49	156.5	-4.39	180	-5.61
165	-4.9	172.1	-4.9	198	-5.35
180	-4.42	187.8	-4.96	216	-3.07
195	-4.96	203.4	-3.91	234	-2.17
210	-4.65	219.1	-3.3	252	-2.46
225	-3.45	234.7	-2.97	270	-2.92
240	-3	250.4	-1.85	288	-3.77
255	-3.16	266	-1.3	306	-5.47
270	-3.88	281.7	-1.79	324	-7.74
285	-5.65	297.3	-3.4	342	-8.06
300	-9.2	313	-6.74	360	-7
315	-11.69	328.6	-11.73		
330	-7.68	344.3	-10.55		
345	-5.55	360	-6.49		
360	-4.94				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-4.7	0	-6.09	0	-6.86
15	-6.6	15.6	-4.97	18	-6.67
30	-8.86	31.3	-4.91	36	-6.05
45	-8.51	46.9	-5.35	54	-4.44

60	-6.53	62.6	-5.04	72	-2.94	84.7
75	-5.15	78.2	-4.3	90	-2.2	105.8
90	-4.82	93.9	-3.82	108	-2.1	127
105	-5.54	109.5	-3.76	126	-2.34	148.2
120	-6.89	125.2	-3.84	144	-2.99	169.4
135	-7.63	140.8	-3.87	162	-4.19	190.5
150	-6.46	156.5	-4.14	180	-5.44	211.7
165	-4.81	172.1	-4.71	198	-5.14	232.9
180	-4.27	187.8	-4.81	216	-2.83	254.1
195	-4.74	203.4	-3.71	234	-1.83	275.2
210	-4.47	219.1	-2.97	252	-2.06	296.4
225	-3.23	234.7	-2.62	270	-2.5	317.6
240	-2.73	250.4	-1.54	288	-3.37	338.8
255	-2.88	266	-0.98	306	-5.12	360
270	-3.61	281.7	-1.46	324	-7.54	
285	-5.43	297.3	-3.1	342	-8	
300	-8.97	313	-6.46	360	-6.86	
315	-11.25	328.6	-11.36			
330	-7.29	344.3	-10.1			
345	-5.26	360	-6.09			
360	-4.7					

	90		105		120	
Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
0	-4.57	0	-5.79	0	-6.77	0
15	-6.42	15.6	-4.72	18	-6.43	21.1
30	-8.4	31.3	-4.7	36	-5.67	42.3
45	-7.89	46.9	-5.08	54	-4.07	63.5
60	-6.07	62.6	-4.74	72	-2.62	84.7
75	-4.8	78.2	-3.97	90	-1.94	105.8
90	-4.54	93.9	-3.49	108	-1.86	127
105	-5.26	109.5	-3.47	126	-2.13	148.2
120	-6.68	125.2	-3.58	144	-2.8	169.4
135	-7.58	140.8	-3.65	162	-4.07	190.5
150	-6.5	156.5	-3.97	180	-5.29	211.7
165	-4.83	172.1	-4.58	198	-4.97	232.9
180	-4.19	187.8	-4.72	216	-2.63	254.1
195	-4.58	203.4	-3.56	234	-1.59	275.2
210	-4.31	219.1	-2.7	252	-1.77	296.4
225	-3.06	234.7	-2.33	270	-2.21	317.6
240	-2.55	250.4	-1.31	288	-3.07	338.8
255	-2.71	266	-0.76	306	-4.87	360

270	-3.49	281.7	-1.26	324	-7.39
285	-5.38	297.3	-2.94	342	-7.95
300	-8.94	313	-6.34	360	-6.77
315	-10.87	328.6	-11.09		
330	-6.98	344.3	-9.64		
345	-5.02	360	-5.79		
360	-4.57				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-5.26	0	-6.28	0	-7.43
15	-7.08	15.6	-5.29	18	-6.96
30	-8.79	31.3	-5.31	36	-6.09
45	-8.06	46.9	-5.62	54	-4.46
60	-6.29	62.6	-5.16	72	-3.08
75	-5.12	78.2	-4.35	90	-2.45
90	-4.9	93.9	-3.87	108	-2.42
105	-5.67	109.5	-3.89	126	-2.71
120	-7.13	125.2	-4.05	144	-3.44
135	-8.23	140.8	-4.19	162	-4.72
150	-7.34	156.5	-4.58	180	-5.85
165	-5.6	172.1	-5.21	198	-5.52
180	-4.83	187.8	-5.34	216	-3.23
195	-5.13	203.4	-4.14	234	-2.16
210	-4.89	219.1	-3.23	252	-2.34
225	-3.69	234.7	-2.88	270	-2.76
240	-3.19	250.4	-1.91	288	-3.58
255	-3.39	266	-1.42	306	-5.37
270	-4.22	281.7	-1.87	324	-7.93
285	-6.19	297.3	-3.57	342	-8.57
300	-9.76	313	-6.97	360	-7.43
315	-11.14	328.6	-11.5		
330	-7.37	344.3	-9.91		
345	-5.55	360	-6.28		
360	-5.26				

90		105		120	
Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
0	-5.69	0	-6.51	0	-7.82
15	-7.51	15.6	-5.6	18	-7.29
30	-8.91	31.3	-5.65	36	-6.28

45	-8.01	46.9	-5.89	54	-4.64	63.5
60	-6.29	62.6	-5.34	72	-3.3	84.7
75	-5.17	78.2	-4.47	90	-2.72	105.8
90	-5.01	93.9	-3.99	108	-2.73	127
105	-5.76	109.5	-4.05	126	-3.06	148.2
120	-7.29	125.2	-4.26	144	-3.81	169.4
135	-8.54	140.8	-4.47	162	-5.07	190.5
150	-7.81	156.5	-4.9	180	-6.08	211.7
165	-6.05	172.1	-5.55	198	-5.76	232.9
180	-5.16	187.8	-5.67	216	-3.54	254.1
195	-5.33	203.4	-4.45	234	-2.5	275.2
210	-5.15	219.1	-3.49	252	-2.67	296.4
225	-4.02	234.7	-3.2	270	-3.04	317.6
240	-3.56	250.4	-2.27	288	-3.82	338.8
255	-3.81	266	-1.73	306	-5.56	360
270	-4.68	281.7	-2.21	324	-8.11	
285	-6.71	297.3	-3.88	342	-8.89	
300	-10.17	313	-7.25	360	-7.82	
315	-11	328.6	-11.52			
330	-7.43	344.3	-9.96			
345	-5.81	360	-6.51			
360	-5.69					

2470	2480	2490	2500	2510	2520	2530
0	0	0	0	0	0	0
-4.85586	-5.10522	-5.62615	-5.3875	-5.19686	-5.7651	-6.04715
-0.679475	-0.834809	-1.29864	-0.976784	-0.758381	-1.4235	-1.73452
4.17638	4.27041	4.32751	4.41071	4.43848	4.3416	4.31263
-4.85586	-5.10522	-5.62615	-5.3875	-5.19686	-5.7651	-6.04715
32.6899	30.8658	27.3769	28.9235	30.2214	26.5149	24.8476
-0.679475	-0.834809	-1.29864	-0.976784	-0.758381	-1.4235	-1.73452
-6.21419	-6.45314	-6.96155	-6.7089	-6.50776	-7.06649	-7.3434
-7.75926	-8.00268	-8.51752	-8.26763	-8.06809	-8.62551	-8.89813
-8.95877	-9.20433	-9.72291	-9.47454	-9.27649	-9.83374	-10.1029
-8.23982	-8.56275	-9.16271	-8.99787	-8.8589	-9.46247	-9.76585
-7.52211	-7.71008	-8.16712	-7.87066	-7.64059	-8.18233	-8.44856
-1.35834	-1.34792	-1.3354	-1.3214	-1.3109	-1.30139	-1.29625
73.1419	73.3176	73.5292	73.7666	73.9452	74.1072	74.195
-4.70904	-4.94799	-5.4564	-5.20375	-5.00261	-5.56134	-5.83825
-2.9034	-2.89746	-2.89137	-2.88013	-2.87123	-2.86041	-2.85098
51.2459	51.3161	51.3882	51.5213	51.627	51.7558	51.8683

-4.74896	-4.99238	-5.50722	-5.25733	-5.05779	-5.61521	-5.88783
-4.10291	-4.09911	-4.09676	-4.08705	-4.07963	-4.06864	-4.05577
38.8785	38.9125	38.9335	39.0207	39.0874	39.1865	39.3028
-4.78716	-5.03273	-5.55131	-5.30294	-5.10489	-5.66213	-5.93131
-3.38396	-3.45753	-3.53656	-3.61037	-3.66203	-3.69737	-3.7187
45.8779	45.1073	44.2939	43.5475	43.0325	42.6838	42.4747
-5.22952	-5.55245	-6.15241	-5.98757	-5.8486	-6.45217	-6.75555
-2.66625	-2.60486	-2.54097	-2.48317	-2.44373	-2.41723	-2.40141
54.1221	54.8927	55.7061	56.4525	56.9675	57.3162	57.5253
-4.51181	-4.69978	-5.15682	-4.86036	-4.63029	-5.17203	-5.43826
-6.00445	-6.27733	-6.82221	-6.60442	-6.42876	-7.01054	-7.30284
3.4076	3.32686	3.31257	3.35749	3.27058	2.97199	2.72167
100	96	94	92	91	93	93
33	33	33	33	33	33	33
67	63	61	59	58	60	60
58	58	60	61	61	63	63
35	37	39	41	42	44	45
23	21	21	20	19	19	18
266	266	266	266	266	266	266
105	105	105	105	105	105	105
-0.679475	-0.834809	-1.29864	-0.976784	-0.758381	-1.4235	-1.73452
-13.8025	-14.0787	-14.6364	-14.3527	-13.8286	-13.9043	-13.6779
-5.01409	-5.29739	-5.85566	-5.64162	-5.45233	-6.01126	-6.28652
13.123	13.2439	13.3378	13.3759	13.0703	12.4808	11.9434
4.33462	4.46258	4.55702	4.66484	4.69395	4.58776	4.552
-8.78841	-8.78128	-8.78076	-8.71109	-8.3763	-7.89308	-7.39143
-13.8025	-14.0787	-14.6364	-14.3527	-13.8286	-13.9043	-13.6779
-0.679475	-0.834809	-1.29864	-0.976784	-0.758381	-1.4235	-1.73452
-4.85586	-5.10522	-5.62615	-5.3875	-5.19686	-5.7651	-6.04715
52	53	68	68	67	68	67
32	34	49	50	50	50	50
20	19	19	18	17	18	17
91	89	87	85	84	86	85
33	34	34	34	34	35	34
58	55	53	51	50	51	51

135		150		165		180	
Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
-21.56	0	-30.54	0	-12.1	0	-13.31	
-12.68	30	-15.13	60	-9.79	15	-18.86	
-8.38	60	-12.41	120	-19.07	30	-47.29	
-7.31	90	-13.69	180	-13.58	45	-19.52	
-8.26	120	-18.91	240	-13.42	60	-13.62	
-9.65	150	-15.55	300	-17.88	75	-10.54	
-10.16	180	-9.91	360	-12.1	90	-8.74	
-10.18	210	-7.38			105	-7.77	
-9.64	240	-6.84			120	-7.44	
-8.89	270	-7.55			135	-7.72	
-8.47	300	-9.92			150	-8.64	
-8.24	330	-15.73			165	-10.36	
-7.64	360	-30.54			180	-13.31	
-7.43					195	-18.86	
-8.41					210	-47.29	
-11.42					225	-19.52	
-18.46					240	-13.62	
-21.56					255	-10.54	
					270	-8.74	
					285	-7.77	
					300	-7.44	
					315	-7.72	
					330	-8.64	
					345	-10.36	
					355	-12.14	
					360	-13.31	

135		150		165		180	
Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)
-21.87	0	-30.04	0	-11.72	0	-13.23	
-12.67	30	-15.01	60	-9.29	15	-19.01	
-8.32	60	-12.31	120	-19.28	30	-47.14	
-7.25	90	-13.51	180	-13.36	45	-18.76	
-8.18	120	-18.3	240	-12.82	60	-13.11	
-9.27	150	-15.51	300	-16.92	75	-10.12	
-9.44	180	-9.61	360	-11.72	90	-8.37	
-9.52	210	-6.91			105	-7.44	
-9.29	240	-6.28			120	-7.14	

-8.66	270	-6.99	135	-7.45
-8.08	300	-9.45	150	-8.41
-7.69	330	-15.31	165	-10.19
-7	360	-30.04	180	-13.23
-6.83			195	-19.01
-7.84			210	-47.14
-10.89			225	-18.76
-17.87			240	-13.11
-21.87			255	-10.12
			270	-8.37
			285	-7.44
			300	-7.14
			315	-7.45
			330	-8.41
			345	-10.19
			355	-12.02
			360	-13.23

135		150		165		180
Response (d|	Phi Angle (∞)	Response (d|	Phi Angle (∞)	Response (d|	Phi Angle (∞)	Response (d|
-22.47	0	-29.15	0	-11.85	0	-13.33
-13.09	30	-15.36	60	-9.2	15	-19.25
-8.71	60	-12.8	120	-19.04	30	-46.17
-7.69	90	-14.1	180	-13.54	45	-18.53
-8.58	120	-18.62	240	-12.7	60	-13
-9.4	150	-15.58	300	-16.61	75	-10.06
-9.3	180	-9.68	360	-11.85	90	-8.33
-9.43	210	-6.93			105	-7.42
-9.39	240	-6.26			120	-7.14
-8.83	270	-7.01			135	-7.47
-8.14	300	-9.59			150	-8.45
-7.63	330	-15.49			165	-10.25
-6.91	360	-29.15			180	-13.33
-6.73					195	-19.25
-7.77					210	-46.17
-10.88					225	-18.53
-17.88					240	-13
-22.47					255	-10.06
					270	-8.33
					285	-7.42
					300	-7.14
					315	-7.47
					330	-8.45

345	-10.25
355	-12.11
360	-13.33

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-21.98	0	-26.33	0	-11.35	0	-12.84
-12.77	30	-15.03	60	-8.54	15	-18.92
-8.45	60	-12.89	120	-17.97	30	-40.62
-7.49	90	-14.28	180	-12.91	45	-17.64
-8.39	120	-18.19	240	-12.18	60	-12.25
-8.9	150	-14.64	300	-16.19	75	-9.36
-8.55	180	-9.04	360	-11.35	90	-7.67
-8.62	210	-6.33			105	-6.77
-8.76	240	-5.73			120	-6.52
-8.31	270	-6.56			135	-6.86
-7.53	300	-9.29			150	-7.87
-6.96	330	-15.36			165	-9.7
-6.22	360	-26.33			180	-12.84
-6.04					195	-18.92
-7.14					210	-40.62
-10.33					225	-17.64
-17.46					240	-12.25
-21.98					255	-9.36
					270	-7.67
					285	-6.77
					300	-6.52
					315	-6.86
					330	-7.87
					345	-9.7
					355	-11.59
					360	-12.84

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-21.47	0	-24.11	0	-10.93	0	-12.78
-12.56	30	-14.84	60	-8.22	15	-19.35
-8.34	60	-13.17	120	-17.22	30	-33.41
-7.48	90	-14.5	180	-12.32	45	-16.54
-8.31	120	-17.18	240	-12.02	60	-11.49
-8.52	150	-13.71	300	-16.45	75	-8.73
-7.87	180	-8.59	360	-10.93	90	-7.13
-7.9	210	-5.96			105	-6.29

-8.23	240	-5.42	120	-6.09
-7.94	270	-6.39	135	-6.49
-7.16	300	-9.36	150	-7.56
-6.49	330	-15.72	165	-9.48
-5.7	360	-24.11	180	-12.78
-5.55			195	-19.35
-6.71			210	-33.41
-9.99			225	-16.54
-17.32			240	-11.49
-21.47			255	-8.73
			270	-7.13
			285	-6.29
			300	-6.09
			315	-6.49
			330	-7.56
			345	-9.48
			355	-11.47
			360	-12.78

135		150		165		180
Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d
-20.99	0	-22.22	0	-10.38	0	-13.07
-12.33	30	-14.64	60	-8.03	15	-20.52
-8.2	60	-13.43	120	-16.91	30	-27.92
-7.4	90	-14.3	180	-11.8	45	-15.3
-8.1	120	-15.7	240	-11.93	60	-10.7
-7.95	150	-12.85	300	-16.89	75	-8.14
-7.08	180	-8.2	360	-10.38	90	-6.65
-7.12	210	-5.56			105	-5.91
-7.69	240	-5.09			120	-5.78
-7.61	270	-6.2			135	-6.27
-6.77	300	-9.48			150	-7.44
-5.97	330	-16.44			165	-9.5
-5.14	360	-22.22			180	-13.07
-5					195	-20.52
-6.22					210	-27.92
-9.6					225	-15.3
-17.12					240	-10.7
-20.99					255	-8.14
					270	-6.65
					285	-5.91
					300	-5.78
					315	-6.27

330	-7.44
345	-9.5
355	-11.64
360	-13.07

135		150		165		180	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-20.82	0	-21.03	0	-9.92	0	-13.71	
-12.24	30	-14.56	60	-8.03	15	-22.54	
-8.17	60	-13.67	120	-17.14	30	-24.15	
-7.4	90	-13.78	180	-11.57	45	-14.22	
-7.91	120	-14.32	240	-11.85	60	-10.07	
-7.42	150	-12.32	300	-17.22	75	-7.71	
-6.4	180	-7.98	360	-9.92	90	-6.35	
-6.51	210	-5.24			105	-5.71	
-7.38	240	-4.75			120	-5.68	
-7.47	270	-5.99			135	-6.27	
-6.47	300	-9.65			150	-7.55	
-5.5	330	-17.42			165	-9.8	
-4.6	360	-21.03			180	-13.71	
-4.48					195	-22.54	
-5.77					210	-24.15	
-9.25					225	-14.22	
-16.88					240	-10.07	
-20.82					255	-7.71	
					270	-6.35	
					285	-5.71	
					300	-5.68	
					315	-6.27	
					330	-7.55	
					345	-9.8	
					355	-12.13	
					360	-13.71	

135		150		165		180	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-21	0	-20.43	0	-9.58	0	-14.45	
-12.33	30	-14.74	60	-8.12	15	-24.83	
-8.27	60	-13.96	120	-17.67	30	-22.07	
-7.48	90	-13.2	180	-11.62	45	-13.58	
-7.84	120	-13.31	240	-11.67	60	-9.74	
-7.01	150	-12.13	300	-17.14	75	-7.53	
-5.91	180	-7.88	360	-9.58	90	-6.27	

-6.13	210	-4.99	105	-5.71
-7.26	240	-4.44	120	-5.76
-7.47	270	-5.78	135	-6.42
-6.29	300	-9.76	150	-7.81
-5.12	330	-18.63	165	-10.21
-4.18	360	-20.43	180	-14.45
-4.09			195	-24.83
-5.41			210	-22.07
-8.94			225	-13.58
-16.58			240	-9.74
-21			255	-7.53
			270	-6.27
			285	-5.71
			300	-5.76
			315	-6.42
			330	-7.81
			345	-10.21
			355	-12.72
			360	-14.45

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d|
-21.32	0	-20.39	0	-9.38	0	-14.98
-12.51	30	-15.14	60	-8.28	15	-26.76
-8.44	60	-14.24	120	-18.46	30	-20.96
-7.65	90	-12.76	180	-11.85	45	-13.2
-7.83	120	-12.76	240	-11.41	60	-9.54
-6.75	150	-12.08	300	-16.78	75	-7.43
-5.61	180	-7.85	360	-9.38	90	-6.24
-5.94	210	-4.79			105	-5.73
-7.31	240	-4.21			120	-5.82
-7.58	270	-5.58			135	-6.54
-6.2	300	-9.79			150	-8
-4.88	330	-19.55			165	-10.5
-3.89	360	-20.39			180	-14.98
-3.8					195	-26.76
-5.15					210	-20.96
-8.71					225	-13.2
-16.32					240	-9.54
-21.32					255	-7.43
					270	-6.24
					285	-5.73
					300	-5.82

315	-6.54
330	-8
345	-10.5
355	-13.15
360	-14.98

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d|
-21.51	0	-20.67	0	-9.54	0	-15.54
-12.77	30	-15.8	60	-8.67	15	-28.54
-8.83	60	-14.66	120	-19.11	30	-20.47
-8.01	90	-12.65	180	-12.21	45	-13.13
-8.08	120	-12.55	240	-11.37	60	-9.6
-6.77	150	-12.2	300	-16.67	75	-7.55
-5.59	180	-7.94	360	-9.54	90	-6.4
-6.01	210	-4.84			105	-5.92
-7.58	240	-4.22			120	-6.05
-7.93	270	-5.66			135	-6.81
-6.34	300	-9.98			150	-8.31
-4.9	330	-20.38			165	-10.89
-3.87	360	-20.67			180	-15.54
-3.79					195	-28.54
-5.15					210	-20.47
-8.72					225	-13.13
-16.31					240	-9.6
-21.51					255	-7.55
					270	-6.4
					285	-5.92
					300	-6.05
					315	-6.81
					330	-8.31
					345	-10.89
					355	-13.63
					360	-15.54

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d|
-21.52	0	-21.14	0	-9.85	0	-16.14
-13.05	30	-16.56	60	-9.2	15	-30.63
-9.24	60	-15.04	120	-19.45	30	-20.08
-8.5	90	-12.55	180	-12.63	45	-13.11
-8.42	120	-12.39	240	-11.54	60	-9.69
-6.9	150	-12.31	300	-16.76	75	-7.7

-5.68	180	-8.12	360	-9.85	90	-6.59
-6.17	210	-5.01			105	-6.15
-7.93	240	-4.41			120	-6.31
-8.37	270	-5.9			135	-7.1
-6.6	300	-10.29			150	-8.65
-5.1	330	-21.1			165	-11.31
-4.03	360	-21.14			180	-16.14
-3.94					195	-30.63
-5.31					210	-20.08
-8.9					225	-13.11
-16.46					240	-9.69
-21.52					255	-7.7
					270	-6.59
					285	-6.15
					300	-6.31
					315	-7.1
					330	-8.65
					345	-11.31
					355	-14.15
					360	-16.14

135	150	165	180
Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
-21.16	0	-21.56	0
-13.16	30	-17.2	60
-9.51	60	-15.1	120
-8.84	90	-12.24	180
-8.58	120	-12.02	240
-6.86	150	-12.27	300
-5.66	180	-8.23	360
-6.25	210	-5.12	
-8.23	240	-4.54	
-8.76	270	-6.06	
-6.77	300	-10.56	
-5.19	330	-21.56	
-4.11	360	-21.56	
-4.01			
-5.38			
-8.97			
-16.5			
-21.16			

300	-6.54
315	-7.38
330	-9
345	-11.77
355	-14.75
360	-16.88

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d|
-20.37	0	-21.53	0	-10.13	0	-17.66
-12.88	30	-17.38	60	-10.1	15	-42.84
-9.47	60	-14.64	120	-19.26	30	-18.63
-8.83	90	-11.56	180	-13.12	45	-12.64
-8.37	120	-11.44	240	-11.89	60	-9.53
-6.54	150	-12.04	300	-16.59	75	-7.72
-5.37	180	-8.09	360	-10.13	90	-6.73
-6.08	210	-4.96			105	-6.39
-8.32	240	-4.39			120	-6.66
-8.84	270	-5.98			135	-7.57
-6.61	300	-10.55			150	-9.27
-4.98	330	-21.75			165	-12.19
-3.88	360	-21.53			180	-17.66
-3.82					195	-42.84
-5.22					210	-18.63
-8.82					225	-12.64
-16.33					240	-9.53
-20.37					255	-7.72
					270	-6.73
					285	-6.39
					300	-6.66
					315	-7.57
					330	-9.27
					345	-12.19
					355	-15.36
					360	-17.66

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d|
-19.65	0	-21.67	0	-10.44	0	-19.04
-12.8	30	-17.59	60	-10.75	15	-45.85
-9.63	60	-14.3	120	-19.51	30	-18.3
-9.03	90	-11.21	180	-13.62	45	-12.77
-8.39	120	-11.22	240	-12.18	60	-9.83

-6.49	150	-12.15	300	-16.47	75	-8.11
-5.4	180	-8.24	360	-10.44	90	-7.2
-6.22	210	-5.04			105	-6.92
-8.66	240	-4.47			120	-7.25
-9.14	270	-6.14			135	-8.23
-6.66	300	-10.83			150	-10.03
-4.96	330	-22.16			165	-13.11
-3.91	360	-21.67			180	-19.04
-3.88					195	-45.85
-5.34					210	-18.3
-9.01					225	-12.77
-16.52					240	-9.83
-19.65					255	-8.11
					270	-7.2
					285	-6.92
					300	-7.25
					315	-8.23
					330	-10.03
					345	-13.11
					355	-16.51
					360	-19.04

135	150	165	180
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)
-18.92	0	-21.43	0
-12.83	30	-17.58	60
-9.93	60	-14.14	120
-9.43	90	-11.2	180
-8.63	120	-11.39	240
-6.73	150	-12.5	300
-5.7	180	-8.57	360
-6.64	210	-5.35	
-9.25	240	-4.79	
-9.64	270	-6.54	
-6.91	300	-11.38	
-5.16	330	-22.97	
-4.15	360	-21.43	
-4.2			
-5.76			
-9.5			
-17.12			
-18.92			

285	-7.83
300	-8.23
315	-9.29
330	-11.21
345	-14.5
355	-18.21
360	-21.05

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-17.5	0	-20	0	-10.94	0	-22.37
-12.05	30	-16.6	60	-11.76	15	-30.89
-9.45	60	-13.19	120	-19.96	30	-17.64
-9.01	90	-10.55	180	-14.46	45	-12.96
-8.13	120	-10.85	240	-12.02	60	-10.36
-6.24	150	-11.98	300	-16	75	-8.85
-5.26	180	-8.1	360	-10.94	90	-8.08
-6.3	210	-4.9			105	-7.95
-9.01	240	-4.34			120	-8.42
-9.28	270	-6.15			135	-9.56
-6.36	300	-11.19			150	-11.6
-4.59	330	-23.41			165	-15.11
-3.63	360	-20			180	-22.37
-3.75					195	-30.89
-5.42					210	-17.64
-9.36					225	-12.96
-17.24					240	-10.36
-17.5					255	-8.85
					270	-8.08
					285	-7.95
					300	-8.42
					315	-9.56
					330	-11.6
					345	-15.11
					355	-19.16
					360	-22.37

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-16.21	0	-18.77	0	-11.04	0	-24.29
-11.32	30	-15.55	60	-12.07	15	-27.35
-9.03	60	-12.43	120	-19.79	30	-16.84
-8.65	90	-10.04	180	-14.51	45	-12.58

-7.77	120	-10.34	240	-11.43	60	-10.17
-5.87	150	-11.52	300	-15.69	75	-8.77
-4.95	180	-7.73	360	-11.04	90	-8.1
-6.06	210	-4.57			105	-8.05
-8.83	240	-4.03			120	-8.61
-8.99	270	-5.91			135	-9.86
-5.97	300	-11.11			150	-12.06
-4.16	330	-24.25			165	-15.87
-3.26	360	-18.77			180	-24.29
-3.45					195	-27.35
-5.22					210	-16.84
-9.42					225	-12.58
-17.74					240	-10.17
-16.21					255	-8.77
					270	-8.1
					285	-8.05
					300	-8.61
					315	-9.86
					330	-12.06
					345	-15.87
					355	-20.44
					360	-24.29

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-16.02	0	-18.53	0	-11.99	0	-28.03
-11.43	30	-15.39	60	-13.31	15	-25.1
-9.4	60	-12.5	120	-20.06	30	-16.65
-9.1	90	-10.3	180	-15.24	45	-12.82
-8.19	120	-10.6	240	-11.71	60	-10.62
-6.31	150	-11.79	300	-16.25	75	-9.37
-5.44	180	-8.27	360	-11.99	90	-8.81
-6.6	210	-5.14			105	-8.86
-9.43	240	-4.58			120	-9.53
-9.54	270	-6.47			135	-10.92
-6.4	300	-11.91			150	-13.32
-4.57	330	-26.59			165	-17.58
-3.73	360	-18.53			180	-28.03
-3.96					195	-25.1
-5.83					210	-16.65
-10.22					225	-12.82
-19.29					240	-10.62
-16.02					255	-9.37

270	-8.81
285	-8.86
300	-9.53
315	-10.92
330	-13.32
345	-17.58
355	-22.96
360	-28.03

135	150	165	180
Response (d) Phi Angle (∞)	Response (d) Phi Angle (∞)	Response (d) Phi Angle (∞)	Response (d) Phi Angle (∞)
-15.98	0	-12.69	-33.12
-11.43	30	-14.36	-23.36
-9.49	60	-20.19	-16.29
-9.26	90	-15.6	-12.84
-8.33	120	-11.7	-10.83
-6.48	150	-16.5	-9.7
-5.66	180	-12.69	-9.25
-6.9	210		-9.4
-9.75	240		-10.18
-9.82	270		-11.72
-6.62	300		-14.36
-4.79	330		-19.13
-3.94	360		-33.12
-4.24			-23.36
-6.15			-16.29
-10.69			-12.84
-20.55			-10.83
-15.98			-9.7
			-9.25
			-9.4
			-10.18
			-11.72
			-14.36
			-19.13
			-25.67
			-33.12

135	150	165	180
Response (d) Phi Angle (∞)	Response (d) Phi Angle (∞)	Response (d) Phi Angle (∞)	Response (d) Phi Angle (∞)
-7.43	0	-13.91	-8.74
-9.6	30	-15.97	-7.77

-20.66	60	-24.15	120	-8.7	30	-7.44
-14.86	90	-12.79	180	-11.29	45	-7.72
-8.7	120	-9.21	240	-19.17	60	-8.64
-6.96	150	-7.69	300	-14.41	75	-10.36
-6.67	180	-7.72	360	-13.91	90	-13.31
-6.76	210	-10.53			105	-18.86
-6.64	240	-13.07			120	-47.29
-6.15	270	-15.72			135	-19.52
-7.15	300	-12.31			150	-13.62
-10.87	330	-9.74			165	-10.54
-17.86	360	-9.51			180	-8.74
-28.65					195	-7.77
-15.44					210	-7.44
-10.43					225	-7.72
-7.9					240	-8.64
-7.43					255	-10.36
					270	-13.31
					285	-18.86
					300	-47.29
					315	-19.52
					330	-13.62
					345	-10.54
					355	-9.24
					360	-8.74

135	150	165	180
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)
-7.13	0	-9.24	0
-9.34	30	-13.12	60
-20.89	60	-22.9	120
-14.12	90	-12.37	180
-8.11	120	-8.88	240
-6.43	150	-7.32	300
-6.21	180	-7.33	360
-6.4	210	-10.15	
-6.32	240	-12.52	
-5.87	270	-14.78	
-6.86	300	-11.72	
-10.62	330	-9.34	
-17.64	360	-9.24	
-25.74			
-14.81			
-10.04			

-7.56				240	-8.41
-7.13				255	-10.19
				270	-13.23
				285	-19.01
				300	-47.14
				315	-18.76
				330	-13.11
				345	-10.12
				355	-8.85
				360	-8.37

135		150		165		180	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-7.2	0	-9.36	0	-13.59	0	-8.33	
-9.49	30	-13.45	60	-15.11	15	-7.42	
-21.75	60	-22.44	120	-8.12	30	-7.14	
-13.66	90	-12.35	180	-10.9	45	-7.47	
-7.84	120	-8.96	240	-18.27	60	-8.45	
-6.25	150	-7.34	300	-14.23	75	-10.25	
-6.13	180	-7.32	360	-13.59	90	-13.33	
-6.4	210	-10.18			105	-19.25	
-6.38	240	-12.37			120	-46.17	
-5.95	270	-14.27			135	-18.53	
-6.94	300	-11.56			150	-13	
-10.78	330	-9.36			165	-10.06	
-18	360	-9.36			180	-8.33	
-23.71					195	-7.42	
-14.38					210	-7.14	
-9.91					225	-7.47	
-7.56					240	-8.45	
-7.2					255	-10.25	
					270	-13.33	
					285	-19.25	
					300	-46.17	
					315	-18.53	
					330	-13	
					345	-10.06	
					355	-8.81	
					360	-8.33	

135		150		165		180	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-6.74	0	-9.04	0	-13.15	0	-7.67	

-9.14	30	-13.27	60	-14.1	15	-6.77
-22.52	60	-21.54	120	-7.48	30	-6.52
-12.49	90	-11.77	180	-10.45	45	-6.86
-6.95	120	-8.47	240	-17.66	60	-7.87
-5.46	150	-6.82	300	-13.64	75	-9.7
-5.47	180	-6.74	360	-13.15	90	-12.84
-5.84	210	-9.67			105	-18.92
-5.88	240	-11.64			120	-40.62
-5.45	270	-13.18			135	-17.64
-6.44	300	-10.87			150	-12.25
-10.37	330	-8.9			165	-9.36
-17.9	360	-9.04			180	-7.67
-22.05					195	-6.77
-13.41					210	-6.52
-9.21					225	-6.86
-6.98					240	-7.87
-6.74					255	-9.7
					270	-12.84
					285	-18.92
					300	-40.62
					315	-17.64
					330	-12.25
					345	-9.36
					355	-8.13
					360	-7.67

135		150		165		180
Response (d|	Phi Angle (∞)	Response (d|	Phi Angle (∞)	Response (d|	Phi Angle (∞)	Response (d|
-6.5	0	-8.94	0	-13.12	0	-7.13
-9.02	30	-13.39	60	-13.12	15	-6.29
-24.07	60	-20.79	120	-7.04	30	-6.09
-11.45	90	-11.4	180	-10.31	45	-6.49
-6.26	120	-8.19	240	-17.44	60	-7.56
-4.9	150	-6.5	300	-13.35	75	-9.48
-5.02	180	-6.39	360	-13.12	90	-12.78
-5.49	210	-9.39			105	-19.35
-5.6	240	-11.1			120	-33.41
-5.15	270	-12.24			135	-16.54
-6.11	300	-10.4			150	-11.49
-10.1	330	-8.72			165	-8.73
-17.8	360	-8.94			180	-7.13
-21.06					195	-6.29
-12.85					210	-6.09

-8.83	225	-6.49
-6.68	240	-7.56
-6.5	255	-9.48
	270	-12.78
	285	-19.35
	300	-33.41
	315	-16.54
	330	-11.49
	345	-8.73
	355	-7.56
	360	-7.13

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d|			
-6.34	0	-8.89	0	-13.32	0	-6.65
-8.98	30	-13.42	60	-12.15	15	-5.91
-25.92	60	-20.17	120	-6.7	30	-5.78
-10.56	90	-11.03	180	-10.29	45	-6.27
-5.64	120	-7.9	240	-17.33	60	-7.44
-4.42	150	-6.19	300	-13.26	75	-9.5
-4.65	180	-6.06	360	-13.32	90	-13.07
-5.21	210	-9.13			105	-20.52
-5.37	240	-10.53			120	-27.92
-4.89	270	-11.22			135	-15.3
-5.77	300	-9.85			150	-10.7
-9.77	330	-8.55			165	-8.14
-17.49	360	-8.89			180	-6.65
-20.23					195	-5.91
-12.45					210	-5.78
-8.57					225	-6.27
-6.45					240	-7.44
-6.34					255	-9.5
					270	-13.07
					285	-20.52
					300	-27.92
					315	-15.3
					330	-10.7
					345	-8.14
					355	-7.05
					360	-6.65

135	150	165	180
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d|

-6.36	0	-9	0	-13.77	0	-6.35
-9.11	30	-13.63	60	-11.45	15	-5.71
-27.73	60	-19.72	120	-6.51	30	-5.68
-9.95	90	-10.78	180	-10.44	45	-6.27
-5.25	120	-7.74	240	-17.28	60	-7.55
-4.11	150	-6.02	300	-13.35	75	-9.8
-4.46	180	-5.89	360	-13.77	90	-13.71
-5.13	210	-9.08			105	-22.54
-5.32	240	-10.16			120	-24.15
-4.8	270	-10.3			135	-14.22
-5.6	300	-9.27			150	-10.07
-9.56	330	-8.48			165	-7.71
-17.1	360	-9			180	-6.35
-19.25					195	-5.71
-12.19					210	-5.68
-8.42					225	-6.27
-6.41					240	-7.55
-6.36					255	-9.8
					270	-13.71
					285	-22.54
					300	-24.15
					315	-14.22
					330	-10.07
					345	-7.71
					355	-6.72
					360	-6.35

135	150	165	180
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)
-6.6	0	-9.3	0
-9.44	30	-14.16	60
-28.63	60	-19.49	120
-9.58	90	-10.68	180
-5.07	120	-7.8	240
-4.03	150	-6.11	300
-4.45	180	-5.98	360
-5.25	210	-9.28	
-5.49	240	-10.07	
-4.95	270	-9.56	
-5.67	300	-8.74	
-9.62	330	-8.52	
-16.95	360	-9.3	
-18.04			

-12	210	-5.76
-8.46	225	-6.42
-6.55	240	-7.81
-6.6	255	-10.21
	270	-14.45
	285	-24.83
	300	-22.07
	315	-13.58
	330	-9.74
	345	-7.53
	355	-6.61
	360	-6.27

135	150	165	180
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-7.03	0	-9.74	0
-10.01	30	-14.91	60
-27.6	60	-19.14	120
-9.27	90	-10.64	180
-5	120	-7.98	240
-4.05	150	-6.38	300
-4.61	180	-6.27	360
-5.53	210	-9.74	
-5.84	240	-10.18	
-5.26	270	-9.04	
-5.91	300	-8.26	
-9.91	330	-8.57	
-17.21	360	-9.74	
-16.75			180
-11.72			195
-8.58			210
-6.84			225
-7.03			240
			255
			270
			285
			300
			315
			330
			345
			355
			360

135 150 165 180

Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)
-7.72	0	-10.26	0
-10.93	30	-15.79	60
-25.75	60	-18.69	120
-9.13	90	-10.8	180
-5.11	120	-8.37	240
-4.28	150	-6.85	300
-4.96	180	-6.75	360
-6.02	210	-10.42	
-6.41	240	-10.63	
-5.77	270	-8.87	
-6.34	300	-7.98	
-10.47	330	-8.69	
-17.87	360	-10.26	
-15.67			180
-11.38			195
-8.77			210
-7.32			225
-7.72			240
			255
			270
			285
			300
			315
			330
			345
			355
			360

135	150	165	180
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)
-8.46	0	-10.65	0
-11.98	30	-16.38	60
-23.97	60	-18.36	120
-9.02	90	-11.07	180
-5.29	120	-8.83	240
-4.58	150	-7.4	300
-5.4	180	-7.23	360
-6.61	210	-11.14	
-7.02	240	-11.26	
-6.3	270	-8.91	
-6.78	300	-7.8	
-11.06	330	-8.71	
-18.84	360	-10.65	

-14.92	195	-6.15
-11.02	210	-6.31
-8.86	225	-7.1
-7.76	240	-8.65
-8.46	255	-11.31
	270	-16.14
	285	-30.63
	300	-20.08
	315	-13.11
	330	-9.69
	345	-7.7
	355	-6.88
	360	-6.59

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-8.96	0	-10.65	0	-18.85	0	-6.72
-12.85	30	-16.48	60	-10.3	15	-6.33
-22.49	60	-18.03	120	-7.93	30	-6.54
-8.84	90	-11.14	180	-13.66	45	-7.38
-5.36	120	-9.13	240	-21.63	60	-9
-4.8	150	-7.71	300	-13.53	75	-11.77
-5.74	180	-7.5	360	-18.85	90	-16.88
-7.06	210	-11.6			105	-34.42
-7.47	240	-11.77			120	-19.45
-6.64	270	-8.91			135	-12.96
-6.99	300	-7.57			150	-9.69
-11.41	330	-8.53			165	-7.78
-19.7	360	-10.65			180	-6.72
-14.25					195	-6.33
-10.49					210	-6.54
-8.65					225	-7.38
-7.87					240	-9
-8.96					255	-11.77
					270	-16.88
					285	-34.42
					300	-19.45
					315	-12.96
					330	-9.69
					345	-7.78
					355	-6.99
					360	-6.72

135		150		165		180	
Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
-9.05	0	-10.36	0	-19.8	0	-6.73	
-13.33	30	-16.31	60	-9.97	15	-6.39	
-21.09	60	-17.64	120	-8.06	30	-6.66	
-8.49	90	-10.96	180	-13.81	45	-7.57	
-5.25	120	-9.13	240	-22.55	60	-9.27	
-4.8	150	-7.73	300	-13.39	75	-12.19	
-5.88	180	-7.43	360	-19.8	90	-17.66	
-7.27	210	-11.75			105	-42.84	
-7.65	240	-11.99			120	-18.63	
-6.68	270	-8.75			135	-12.64	
-6.9	300	-7.22			150	-9.53	
-11.37	330	-8.14			165	-7.72	
-20.43	360	-10.36			180	-6.73	
-13.54					195	-6.39	
-9.76					210	-6.66	
-8.1					225	-7.57	
-7.6					240	-9.27	
-9.05					255	-12.19	
					270	-17.66	
					285	-42.84	
					300	-18.63	
					315	-12.64	
					330	-9.53	
					345	-7.72	
					355	-6.98	
					360	-6.73	

135		150		165		180	
Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
-9.4	0	-10.55	0	-20.73	0	-7.2	
-14.04	30	-16.64	60	-10.11	15	-6.92	
-20.23	60	-17.7	120	-8.49	30	-7.25	
-8.55	90	-11.16	180	-14.04	45	-8.23	
-5.5	120	-9.45	240	-23.11	60	-10.03	
-5.16	150	-8.1	300	-13.71	75	-13.11	
-6.32	180	-7.71	360	-20.73	90	-19.04	
-7.78	210	-12.19			105	-45.85	
-8.09	240	-12.47			120	-18.3	
-7.04	270	-8.92			135	-12.77	
-7.14	300	-7.3			150	-9.83	
-11.67	330	-8.24			165	-8.11	

-21.44	360	-10.55	180	-7.2
-13.46			195	-6.92
-9.54			210	-7.25
-7.98			225	-8.23
-7.62			240	-10.03
-9.4			255	-13.11
			270	-19.04
			285	-45.85
			300	-18.3
			315	-12.77
			330	-9.83
			345	-8.11
			355	-7.43
			360	-7.2

135		150		165		180
Response (d Phi Angle (∞)		Response (d Phi Angle (∞)		Response (d Phi Angle (∞)		Response (d Phi Angle (∞)
-10.09	0	-11.27	0	-22.19	0	-8.03
-15.15	30	-17.71	60	-10.68	15	-7.83
-19.68	60	-18.04	120	-9.25	30	-8.23
-8.93	90	-11.67	180	-14.46	45	-9.29
-6.05	120	-10.15	240	-23.61	60	-11.21
-5.81	150	-8.8	300	-14.44	75	-14.5
-7.07	180	-8.32	360	-22.19	90	-21.05
-8.61	210	-12.97			105	-35.38
-8.87	240	-13.14			120	-18.3
-7.72	270	-9.39			135	-13.24
-7.69	300	-7.8			150	-10.48
-12.16	330	-8.79			165	-8.87
-22.55	360	-11.27			180	-8.03
-13.77					195	-7.83
-9.75					210	-8.23
-8.27					225	-9.29
-8.06					240	-11.21
-10.09					255	-14.5
					270	-21.05
					285	-35.38
					300	-18.3
					315	-13.24
					330	-10.48
					345	-8.87
					355	-8.24
					360	-8.03

135		150		165		180	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-10.23	0	-11.48	0	-23.34	0	-8.08	
-15.74	30	-18.29	60	-10.52	15	-7.95	
-18.41	60	-17.53	120	-9.32	30	-8.42	
-8.54	90	-11.52	180	-14.15	45	-9.56	
-5.85	120	-10.18	240	-23.55	60	-11.6	
-5.72	150	-8.83	300	-14.42	75	-15.11	
-7.09	180	-8.22	360	-23.34	90	-22.37	
-8.75	210	-13.03			105	-30.89	
-8.97	240	-13.04			120	-17.64	
-7.72	270	-9.05			135	-12.96	
-7.5	300	-7.55			150	-10.36	
-11.94	330	-8.73			165	-8.85	
-22.5	360	-11.48			180	-8.08	
-13.26					195	-7.95	
-9.3					210	-8.42	
-7.91					225	-9.56	
-7.86					240	-11.6	
-10.23					255	-15.11	
					270	-22.37	
					285	-30.89	
					300	-17.64	
					315	-12.96	
					330	-10.36	
					345	-8.85	
					355	-8.27	
					360	-8.08	

135		150		165		180	
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)
-10.45	0	-11.72	0	-24.52	0	-8.1	
-16.66	30	-18.67	60	-10.35	15	-8.05	
-17.24	60	-17.05	120	-9.4	30	-8.61	
-8.18	90	-11.45	180	-13.75	45	-9.86	
-5.68	120	-10.27	240	-24.02	60	-12.06	
-5.66	150	-8.85	300	-14.37	75	-15.87	
-7.13	180	-8.09	360	-24.52	90	-24.29	
-8.93	210	-13.1			105	-27.35	
-9.07	240	-13.01			120	-16.84	
-7.66	270	-8.69			135	-12.58	
-7.34	300	-7.29			150	-10.17	

-11.79	330	-8.68	165	-8.77
-22.31	360	-11.72	180	-8.1
-12.67			195	-8.05
-8.82			210	-8.61
-7.57			225	-9.86
-7.75			240	-12.06
-10.45			255	-15.87
			270	-24.29
			285	-27.35
			300	-16.84
			315	-12.58
			330	-10.17
			345	-8.77
			355	-8.25
			360	-8.1

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-11.32	0	-12.45	0	-25.23	0	-8.81
-18.28	30	-19.28	60	-10.95	15	-8.86
-17.07	60	-17.28	120	-10.09	30	-9.53
-8.55	90	-12.07	180	-13.87	45	-10.92
-6.2	120	-10.97	240	-24.8	60	-13.32
-6.28	150	-9.47	300	-14.99	75	-17.58
-7.88	180	-8.6	360	-25.23	90	-28.03
-9.78	210	-13.72			105	-25.1
-9.77	240	-13.85			120	-16.65
-8.2	270	-9.1			135	-12.82
-7.79	300	-7.73			150	-10.62
-12.28	330	-9.22			165	-9.37
-22.94	360	-12.45			180	-8.81
-12.79					195	-8.86
-9.06					210	-9.53
-7.93					225	-10.92
-8.27					240	-13.32
-11.32					255	-17.58
					270	-28.03
					285	-25.1
					300	-16.65
					315	-12.82
					330	-10.62
					345	-9.37
					355	-8.92

360 -8.81

135		150		165		180
Response (d|	Phi Angle (∞)	Response (d|	Phi Angle (∞)	Response (d|	Phi Angle (∞)	Response (d|
-11.78	0	-12.6	0	-24.18	0	-9.25
-19.23	30	-19.16	60	-11.28	15	-9.4
-16.92	60	-17.37	120	-10.44	30	-10.18
-8.74	90	-12.38	180	-13.59	45	-11.72
-6.5	120	-11.35	240	-24.44	60	-14.36
-6.62	150	-9.68	300	-15.29	75	-19.13
-8.29	180	-8.72	360	-24.18	90	-33.12
-10.21	210	-13.83			105	-23.36
-9.95	240	-14.42			120	-16.29
-8.28	270	-9.27			135	-12.84
-7.87	300	-7.83			150	-10.83
-12.36	330	-9.38			165	-9.7
-23.44	360	-12.6			180	-9.25
-12.71					195	-9.4
-9.05					210	-10.18
-7.98					225	-11.72
-8.47					240	-14.36
-11.78					255	-19.13
					270	-33.12
					285	-23.36
					300	-16.29
					315	-12.84
					330	-10.83
					345	-9.7
					355	-9.33
					360	-9.25

135		150		165		180
Response (d|	Phi Angle (∞)	Response (d|	Phi Angle (∞)	Response (d|	Phi Angle (∞)	Response (d|
-7.27	0	-9.47	0	-9.9	0	-7.44
-7.86	30	-11.09	60	-8.85	15	-7.44
-8.13	60	-12.12	120	-8.32	30	-7.44
-6.61	90	-10.2	180	-9.27	45	-7.44
-5.47	120	-8.76	240	-12.4	60	-7.44
-5.09	150	-7.03	300	-12.79	75	-7.44
-5.06	180	-5.66	360	-9.9	90	-7.44
-5.13	210	-5.67			105	-7.44
-4.88	240	-5.91			120	-7.44

-4.3	270	-6.93	135	-7.44
-4.75	300	-7.94	150	-7.44
-6.35	330	-8.77	165	-7.44
-7.25	360	-9.47	180	-7.44
-7.4			195	-7.44
-7.62			210	-7.44
-7.88			225	-7.44
-7.53			240	-7.44
-7.27			255	-7.44
			270	-7.44
			285	-7.44
			300	-7.44
			315	-7.44
			330	-7.44
			345	-7.44
			355	-7.44
			360	-7.44

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-6.98	0	-9.2	0	-9.54	0	-7.14
-7.68	30	-10.95	60	-8.32	15	-7.14
-8.09	60	-11.95	120	-7.88	30	-7.14
-6.44	90	-9.89	180	-8.95	45	-7.14
-5.13	120	-8.41	240	-11.78	60	-7.14
-4.61	150	-6.7	300	-12.35	75	-7.14
-4.52	180	-5.31	360	-9.54	90	-7.14
-4.68	210	-5.22			105	-7.14
-4.55	240	-5.35			120	-7.14
-4.03	270	-6.32			135	-7.14
-4.41	300	-7.43			150	-7.14
-5.9	330	-8.36			165	-7.14
-6.64	360	-9.2			180	-7.14
-6.77					195	-7.14
-7.05					210	-7.14
-7.44					225	-7.14
-7.17					240	-7.14
-6.98					255	-7.14
					270	-7.14
					285	-7.14
					300	-7.14
					315	-7.14
					330	-7.14

345	-7.14
355	-7.14
360	-7.14

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-7.07	0	-9.32	0	-9.62	0	-7.14
-7.91	30	-11.29	60	-8.21	15	-7.14
-8.5	60	-12.35	120	-7.78	30	-7.14
-6.71	90	-10.12	180	-9.01	45	-7.14
-5.19	120	-8.51	240	-11.63	60	-7.14
-4.53	150	-6.74	300	-12.25	75	-7.14
-4.42	180	-5.33	360	-9.62	90	-7.14
-4.64	210	-5.24			105	-7.14
-4.62	240	-5.31			120	-7.14
-4.14	270	-6.26			135	-7.14
-4.49	300	-7.45			150	-7.14
-5.92	330	-8.41			165	-7.14
-6.58	360	-9.32			180	-7.14
-6.64					195	-7.14
-6.92					210	-7.14
-7.36					225	-7.14
-7.17					240	-7.14
-7.07					255	-7.14
					270	-7.14
					285	-7.14
					300	-7.14
					315	-7.14
					330	-7.14
					345	-7.14
					355	-7.14
					360	-7.14

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-6.61	0	-8.96	0	-9.15	0	-6.52
-7.57	30	-11.05	60	-7.47	15	-6.52
-8.28	60	-12.33	120	-7.1	30	-6.52
-6.3	90	-9.84	180	-8.5	45	-6.52
-4.6	120	-8.03	240	-11.09	60	-6.52
-3.84	150	-6.16	300	-11.72	75	-6.52
-3.73	180	-4.73	360	-9.15	90	-6.52
-4	210	-4.68			105	-6.52

-4.08	240	-4.74	120	-6.52
-3.64	270	-5.7	135	-6.52
-3.94	300	-7	150	-6.52
-5.33	330	-8.01	165	-6.52
-5.93	360	-8.96	180	-6.52
-5.93			195	-6.52
-6.22			210	-6.52
-6.72			225	-6.52
-6.61			240	-6.52
-6.61			255	-6.52
			270	-6.52
			285	-6.52
			300	-6.52
			315	-6.52
			330	-6.52
			345	-6.52
			355	-6.52
			360	-6.52

135		150		165		180
Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d	Phi Angle (∞)	Response (d
-6.37	0	-8.81	0	-8.88	0	-6.08
-7.43	30	-11.04	60	-7	15	-6.08
-8.22	60	-12.48	120	-6.64	30	-6.08
-6.02	90	-9.67	180	-8.19	45	-6.08
-4.15	120	-7.67	240	-10.93	60	-6.08
-3.33	150	-5.74	300	-11.62	75	-6.08
-3.2	180	-4.34	360	-8.88	90	-6.08
-3.52	210	-4.34			105	-6.08
-3.71	240	-4.38			120	-6.08
-3.31	270	-5.38			135	-6.08
-3.59	300	-6.84			150	-6.08
-4.92	330	-7.93			165	-6.08
-5.44	360	-8.81			180	-6.08
-5.43					195	-6.08
-5.76					210	-6.08
-6.36					225	-6.08
-6.32					240	-6.08
-6.37					255	-6.08
					270	-6.08
					285	-6.08
					300	-6.08
					315	-6.08

330	-6.08
345	-6.08
355	-6.08
360	-6.08

135		150		165		180
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
-6.2	0	-8.69	0	-8.6	0	-5.76
-7.33	30	-10.98	60	-6.61	15	-5.76
-8.13	60	-12.59	120	-6.31	30	-5.76
-5.69	90	-9.35	180	-7.97	45	-5.76
-3.69	120	-7.23	240	-10.83	60	-5.76
-2.82	150	-5.34	300	-11.7	75	-5.76
-2.69	180	-3.99	360	-8.6	90	-5.76
-3.05	210	-3.98			105	-5.76
-3.37	240	-4			120	-5.76
-3.03	270	-5.01			135	-5.76
-3.23	300	-6.65			150	-5.76
-4.46	330	-7.89			165	-5.76
-4.89	360	-8.69			180	-5.76
-4.87					195	-5.76
-5.3					210	-5.76
-6.04					225	-5.76
-6.09					240	-5.76
-6.2					255	-5.76
					270	-5.76
					285	-5.76
					300	-5.76
					315	-5.76
					330	-5.76
					345	-5.76
					355	-5.76
					360	-5.76

135		150		165		180
Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)	Phi Angle (∞)	Response (d)
-6.21	0	-8.73	0	-8.42	0	-5.62
-7.39	30	-11.06	60	-6.4	15	-5.62
-8.12	60	-12.71	120	-6.15	30	-5.62
-5.48	90	-9.02	180	-7.96	45	-5.62
-3.37	120	-6.88	240	-10.76	60	-5.62
-2.45	150	-5.11	300	-11.86	75	-5.62
-2.31	180	-3.8	360	-8.42	90	-5.62

-2.75	210	-3.74	105	-5.62
-3.22	240	-3.65	120	-5.62
-2.92	270	-4.62	135	-5.62
-3.01	300	-6.45	150	-5.62
-4.06	330	-7.96	165	-5.62
-4.37	360	-8.73	180	-5.62
-4.34			195	-5.62
-4.88			210	-5.62
-5.8			225	-5.62
-6.04			240	-5.62
-6.21			255	-5.62
			270	-5.62
			285	-5.62
			300	-5.62
			315	-5.62
			330	-5.62
			345	-5.62
			355	-5.62
			360	-5.62

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d|
-6.44	0	-8.98	0	-8.34	0	-5.66
-7.64	30	-11.43	60	-6.32	15	-5.66
-8.23	60	-12.89	120	-6.2	30	-5.66
-5.39	90	-8.75	180	-8.17	45	-5.66
-3.23	120	-6.72	240	-10.64	60	-5.66
-2.26	150	-5.14	300	-11.96	75	-5.66
-2.11	180	-3.82	360	-8.34	90	-5.66
-2.66	210	-3.61			105	-5.66
-3.28	240	-3.39			120	-5.66
-3.02	270	-4.26			135	-5.66
-2.96	300	-6.21			150	-5.66
-3.8	330	-8.12			165	-5.66
-3.96	360	-8.98			180	-5.66
-3.91					195	-5.66
-4.55					210	-5.66
-5.69					225	-5.66
-6.14					240	-5.66
-6.44					255	-5.66
					270	-5.66
					285	-5.66
					300	-5.66

315	-5.66
330	-5.66
345	-5.66
355	-5.66
360	-5.66

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d|			
-6.88	0	-9.38	0	-8.37	0	-5.69
-8.07	30	-12.01	60	-6.31	15	-5.69
-8.39	60	-13.02	120	-6.4	30	-5.69
-5.37	90	-8.56	180	-8.55	45	-5.69
-3.18	120	-6.73	240	-10.51	60	-5.69
-2.18	150	-5.34	300	-11.9	75	-5.69
-2.07	180	-3.98	360	-8.37	90	-5.69
-2.72	210	-3.59			105	-5.69
-3.5	240	-3.23			120	-5.69
-3.25	270	-3.96			135	-5.69
-3.04	300	-5.95			150	-5.69
-3.69	330	-8.24			165	-5.69
-3.69	360	-9.38			180	-5.69
-3.59					195	-5.69
-4.28					210	-5.69
-5.63					225	-5.69
-6.38					240	-5.69
-6.88					255	-5.69
					270	-5.69
					285	-5.69
					300	-5.69
					315	-5.69
					330	-5.69
					345	-5.69
					355	-5.69
					360	-5.69

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d|			
-7.54	0	-9.89	0	-8.7	0	-5.9
-8.74	30	-12.79	60	-6.51	15	-5.9
-8.74	60	-13.21	120	-6.83	30	-5.9
-5.53	90	-8.62	180	-9.14	45	-5.9
-3.33	120	-6.96	240	-10.64	60	-5.9
-2.34	150	-5.74	300	-11.87	75	-5.9

-2.25	180	-4.29	360	-8.7	90	-5.9
-3.01	210	-3.78			105	-5.9
-3.94	240	-3.33			120	-5.9
-3.71	270	-3.96			135	-5.9
-3.33	300	-5.85			150	-5.9
-3.84	330	-8.4			165	-5.9
-3.7	360	-9.89			180	-5.9
-3.52					195	-5.9
-4.22					210	-5.9
-5.74					225	-5.9
-6.81					240	-5.9
-7.54					255	-5.9
					270	-5.9
					285	-5.9
					300	-5.9
					315	-5.9
					330	-5.9
					345	-5.9
					355	-5.9
					360	-5.9

135	150	165	180
Response (d)	Phi Angle (°)	Response (d)	Phi Angle (°)
-8.25	0	-10.28	0
-9.47	30	-13.46	60
-9.1	60	-13.38	120
-5.74	90	-8.73	180
-3.57	120	-7.25	240
-2.58	150	-6.19	300
-2.53	180	-4.65	360
-3.37	210	-4.06	
-4.44	240	-3.59	
-4.21	270	-4.14	
-3.68	300	-5.86	
-4.12	330	-8.46	
-3.89	360	-10.28	
-3.6			
-4.27			
-5.87			
-7.21			
-8.25			

300	-6.13
315	-6.13
330	-6.13
345	-6.13
355	-6.13
360	-6.13

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-8.7	0	-10.32	0	-9.56	0	-6.32
-9.99	30	-13.81	60	-7.01	15	-6.32
-9.3	60	-13.31	120	-7.63	30	-6.32
-5.83	90	-8.65	180	-10.27	45	-6.32
-3.67	120	-7.33	240	-11.4	60	-6.32
-2.7	150	-6.41	300	-11.87	75	-6.32
-2.69	180	-4.84	360	-9.56	90	-6.32
-3.63	210	-4.24			105	-6.32
-4.82	240	-3.79			120	-6.32
-4.56	270	-4.25			135	-6.32
-3.87	300	-5.8			150	-6.32
-4.26	330	-8.32			165	-6.32
-3.99	360	-10.32			180	-6.32
-3.62					195	-6.32
-4.21					210	-6.32
-5.8					225	-6.32
-7.31					240	-6.32
-8.7					255	-6.32
					270	-6.32
					285	-6.32
					300	-6.32
					315	-6.32
					330	-6.32
					345	-6.32
					355	-6.32
					360	-6.32

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)
-8.74	0	-10.04	0	-9.69	0	-6.39
-10.09	30	-13.8	60	-7.02	15	-6.39
-9.18	60	-12.88	120	-7.74	30	-6.39
-5.65	90	-8.24	180	-10.44	45	-6.39
-3.52	120	-7.12	240	-11.53	60	-6.39

-2.57	150	-6.36	300	-11.69	75	-6.39
-2.61	180	-4.74	360	-9.69	90	-6.39
-3.63	210	-4.13			105	-6.39
-4.96	240	-3.69			120	-6.39
-4.62	270	-4.14			135	-6.39
-3.75	300	-5.56			150	-6.39
-4.08	330	-7.95			165	-6.39
-3.78	360	-10.04			180	-6.39
-3.38					195	-6.39
-3.91					210	-6.39
-5.44					225	-6.39
-7.05					240	-6.39
-8.74					255	-6.39
					270	-6.39
					285	-6.39
					300	-6.39
					315	-6.39
					330	-6.39
					345	-6.39
					355	-6.39
					360	-6.39

135	150	165	180
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)
-9.01	0	-10.22	0
-10.36	30	-14.08	60
-9.27	60	-12.67	120
-5.77	90	-8.17	180
-3.7	120	-7.24	240
-2.77	150	-6.66	300
-2.83	180	-4.96	360
-3.92	210	-4.28	
-5.36	240	-3.83	
-4.96	270	-4.3	
-3.88	300	-5.71	
-4.12	330	-8.07	
-3.83	360	-10.22	
-3.43			
-3.94			
-5.46			
-7.09			
-9.01			

285	-6.92
300	-6.92
315	-6.92
330	-6.92
345	-6.92
355	-6.92
360	-6.92

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d|
-9.56	0	-10.87	0	-10.73	0	-7.82
-10.83	30	-14.64	60	-8.12	15	-7.82
-9.5	60	-12.65	120	-8.91	30	-7.82
-6.16	90	-8.42	180	-11.44	45	-7.82
-4.14	120	-7.72	240	-12.24	60	-7.82
-3.23	150	-7.26	300	-12.39	75	-7.82
-3.32	180	-5.44	360	-10.73	90	-7.82
-4.5	210	-4.66			105	-7.82
-6.05	240	-4.2			120	-7.82
-5.56	270	-4.72			135	-7.82
-4.28	300	-6.22			150	-7.82
-4.37	330	-8.63			165	-7.82
-4.09	360	-10.87			180	-7.82
-3.75					195	-7.82
-4.3					210	-7.82
-5.83					225	-7.82
-7.55					240	-7.82
-9.56					255	-7.82
					270	-7.82
					285	-7.82
					300	-7.82
					315	-7.82
					330	-7.82
					345	-7.82
					355	-7.82
					360	-7.82

135		150		165		180
Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d| Phi Angle (∞)		Response (d|
-9.48	0	-10.91	0	-10.7	0	-7.93
-10.5	30	-14.35	60	-8.09	15	-7.93
-8.93	60	-11.83	120	-8.97	30	-7.93
-5.76	90	-8	180	-11.29	45	-7.93

-3.83	120	-7.49	240	-11.72	60	-7.93
-2.97	150	-7.12	300	-12.13	75	-7.93
-3.07	180	-5.15	360	-10.7	90	-7.93
-4.35	210	-4.28			105	-7.93
-5.98	240	-3.79			120	-7.93
-5.42	270	-4.35			135	-7.93
-3.88	300	-5.99			150	-7.93
-3.85	330	-8.59			165	-7.93
-3.58	360	-10.91			180	-7.93
-3.29					195	-7.93
-3.93					210	-7.93
-5.56					225	-7.93
-7.39					240	-7.93
-9.48					255	-7.93
					270	-7.93
					285	-7.93
					300	-7.93
					315	-7.93
					330	-7.93
					345	-7.93
					355	-7.93
					360	-7.93

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-9.43	0	-10.94	0	-10.85	0	-8
-10.21	30	-13.83	60	-8.12	15	-8
-8.42	60	-11.14	120	-9.02	30	-8
-5.4	90	-7.68	180	-11.1	45	-8
-3.59	120	-7.29	240	-11.2	60	-8
-2.75	150	-6.97	300	-11.97	75	-8
-2.89	180	-4.9	360	-10.85	90	-8
-4.26	210	-4			105	-8
-5.94	240	-3.52			120	-8
-5.26	270	-4.07			135	-8
-3.59	300	-5.78			150	-8
-3.46	330	-8.56			165	-8
-3.21	360	-10.94			180	-8
-2.96					195	-8
-3.64					210	-8
-5.38					225	-8
-7.33					240	-8
-9.43					255	-8

270	-8
285	-8
300	-8
315	-8
330	-8
345	-8
355	-8
360	-8

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-10.05	0	-11.49	0	-11.79	0	-8.76
-10.62	30	-13.9	60	-8.96	15	-8.76
-8.71	60	-11.25	120	-9.68	30	-8.76
-5.81	90	-8.08	180	-11.49	45	-8.76
-4.07	120	-7.77	240	-11.5	60	-8.76
-3.28	150	-7.46	300	-12.56	75	-8.76
-3.48	180	-5.42	360	-11.79	90	-8.76
-4.89	210	-4.57			105	-8.76
-6.58	240	-4.09			120	-8.76
-5.81	270	-4.58			135	-8.76
-4.03	300	-6.32			150	-8.76
-3.89	330	-9.14			165	-8.76
-3.68	360	-11.49			180	-8.76
-3.43					195	-8.76
-4.14					210	-8.76
-5.91					225	-8.76
-7.94					240	-8.76
-10.05					255	-8.76
					270	-8.76
					285	-8.76
					300	-8.76
					315	-8.76
					330	-8.76
					345	-8.76
					355	-8.76
					360	-8.76

135	150	165	180			
Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)	Response (d| Phi Angle (∞)			
-10.38	0	-11.56	0	-12.39	0	-9.23
-10.77	30	-13.68	60	-9.54	15	-9.23
-8.77	60	-11.19	120	-10.01	30	-9.23

-5.98	90	-8.21	180	-11.47	45	-9.23
-4.31	120	-7.93	240	-11.47	60	-9.23
-3.54	150	-7.65	300	-12.84	75	-9.23
-3.77	180	-5.67	360	-12.39	90	-9.23
-5.23	210	-4.9			105	-9.23
-6.84	240	-4.46			120	-9.23
-5.97	270	-4.86			135	-9.23
-4.19	300	-6.51			150	-9.23
-4.09	330	-9.33			165	-9.23
-3.89	360	-11.56			180	-9.23
-3.66					195	-9.23
-4.35					210	-9.23
-6.12					225	-9.23
-8.21					240	-9.23
-10.38					255	-9.23
					270	-9.23
					285	-9.23
					300	-9.23
					315	-9.23
					330	-9.23
					345	-9.23
					355	-9.23
					360	-9.23