

2462 ThetaAngle		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Ph Angle (°)		(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	
0	0.31	-0.42	-1.06	-1.31	-1.00	-0.29	0.54	1.29	1.83	2.09	1.93	1.61	1.01	0.33	-0.32	-0.87	-1.33	-1.73	-2.11	-2.46	-2.73	-3.02	-3.46	-4.16	-5.20	-6.21	-6.78	-6.84	-6.09	-4.77	-3.43	-2.32	-1.40	-0.83	-0.43	-0.25	-0.15	-0.10
5	0.31	-0.40	-1.10	-1.40	-1.13	-0.42	0.44	1.24	1.85	2.14	2.13	1.79	1.22	0.54	-0.13	-0.71	-1.21	-1.63	-2.03	-2.48	-2.93	-3.27	-3.48	-3.06	-2.00	-1.51	-1.56	-1.40	-1.06	-0.78	-0.48	-0.30	-0.20	-0.14	-0.09	-0.06	-0.04	-0.03
10	0.31	-0.37	-1.15	-1.49	-1.24	-0.53	0.34	1.21	1.83	2.15	2.14	1.80	1.24	0.64	-0.11	-0.64	-1.10	-1.50	-1.91	-2.34	-2.78	-3.10	-3.19	-2.74	-1.66	-1.15	-1.20	-1.04	-0.74	-0.44	-0.26	-0.16	-0.10	-0.07	-0.05	-0.03	-0.02	-0.01
15	0.31	-0.40	-1.16	-1.56	-1.40	-0.76	0.12	0.99	1.70	2.13	2.20	1.93	1.30	0.97	-0.33	-0.78	-1.28	-1.69	-2.10	-2.51	-2.82	-3.07	-3.18	-2.74	-1.66	-1.15	-1.20	-1.04	-0.74	-0.44	-0.26	-0.16	-0.10	-0.07	-0.05	-0.03	-0.02	-0.01
20	0.31	-0.42	-1.17	-1.63	-1.56	-0.97	-0.13	0.73	1.44	1.87	1.98	1.78	1.31	0.69	-0.63	-1.09	-1.51	-1.93	-2.32	-2.69	-2.92	-3.10	-3.08	-2.68	-1.59	-1.07	-1.12	-0.96	-0.66	-0.36	-0.18	-0.12	-0.08	-0.05	-0.03	-0.02	-0.01	
25	0.31	-0.40	-1.18	-1.70	-1.72	-1.23	-0.46	0.36	1.01	1.80	1.98	1.82	1.38	0.45	-0.47	-0.97	-1.46	-1.86	-2.24	-2.60	-2.92	-3.12	-3.08	-2.68	-1.59	-1.07	-1.12	-0.96	-0.66	-0.36	-0.18	-0.12	-0.08	-0.05	-0.03	-0.02	-0.01	
30	0.31	-0.39	-1.17	-1.70	-1.76	-1.36	-0.88	-0.15	-0.62	0.69	0.80	0.75	-0.65	-1.17	-1.71	-2.20	-2.68	-3.14	-3.49	-3.78	-3.94	-4.00	-3.96	-3.48	-2.40	-1.89	-1.94	-1.78	-1.48	-1.18	-0.88	-0.60	-0.42	-0.28	-0.18	-0.12	-0.08	
35	0.31	-0.35	-1.15	-1.66	-1.79	-1.46	-0.76	-0.46	-0.11	-0.26	-0.40	-0.70	-1.07	-1.48	-1.93	-2.39	-2.84	-3.28	-3.63	-3.90	-4.08	-4.14	-4.08	-3.50	-2.42	-1.91	-1.96	-1.80	-1.50	-1.20	-0.90	-0.62	-0.44	-0.29	-0.19	-0.13	-0.09	
40	0.31	-0.33	-1.12	-1.65	-1.73	-1.33	-1.37	-1.44	-1.02	-0.65	-0.96	-1.40	-1.90	-2.36	-2.80	-3.20	-3.56	-3.88	-4.14	-4.30	-4.38	-4.38	-4.28	-3.70	-2.62	-2.11	-2.16	-2.00	-1.70	-1.40	-1.10	-0.82	-0.54	-0.36	-0.21	-0.13	-0.09	
45	0.31	-0.29	-1.07	-1.68	-1.78	-1.29	-1.61	-2.16	-1.71	-1.41	-1.31	-1.47	-1.80	-2.31	-2.75	-3.15	-3.50	-3.81	-4.07	-4.20	-4.28	-4.28	-4.18	-3.60	-2.52	-2.01	-2.06	-1.90	-1.60	-1.30	-1.02	-0.74	-0.56	-0.40	-0.24	-0.15	-0.10	
50	0.31	-0.25	-1.01	-1.80	-1.80	-1.29	-2.28	-2.30	-2.34	-1.46	-1.36	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.04	-5.37	-5.62	-5.78	-5.80	-5.70	-5.00	-4.02	-3.51	-3.56	-3.40	-3.10	-2.80	-2.50	-2.20	-1.92	-1.64	-1.36	-1.08	-0.80	
55	0.31	-0.20	-0.94	-1.81	-1.81	-1.29	-2.32	-2.32	-2.32	-1.46	-1.36	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.04	-5.37	-5.62	-5.78	-5.80	-5.70	-5.00	-4.02	-3.51	-3.56	-3.40	-3.10	-2.80	-2.50	-2.20	-1.92	-1.64	-1.36	-1.08	-0.80	
60	0.31	-0.15	-0.85	-1.79	-1.80	-1.20	-2.40	-2.40	-2.40	-1.46	-1.36	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.04	-5.37	-5.62	-5.78	-5.80	-5.70	-5.00	-4.02	-3.51	-3.56	-3.40	-3.10	-2.80	-2.50	-2.20	-1.92	-1.64	-1.36	-1.08	-0.80	
65	0.31	-0.09	-0.74	-1.68	-1.83	-1.25	-2.45	-2.45	-2.45	-1.46	-1.36	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.04	-5.37	-5.62	-5.78	-5.80	-5.70	-5.00	-4.02	-3.51	-3.56	-3.40	-3.10	-2.80	-2.50	-2.20	-1.92	-1.64	-1.36	-1.08	-0.80	
70	0.31	-0.03	-0.63	-1.55	-1.84	-1.33	-2.59	-2.49	-2.49	-1.46	-1.36	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.04	-5.37	-5.62	-5.78	-5.80	-5.70	-5.00	-4.02	-3.51	-3.56	-3.40	-3.10	-2.80	-2.50	-2.20	-1.92	-1.64	-1.36	-1.08	-0.80	
75	0.31	0.03	-0.50	-1.38	-1.86	-1.17	-2.57	-2.48	-2.47	-1.46	-1.36	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.04	-5.37	-5.62	-5.78	-5.80	-5.70	-5.00	-4.02	-3.51	-3.56	-3.40	-3.10	-2.80	-2.50	-2.20	-1.92	-1.64	-1.36	-1.08	-0.80	
80	0.31	0.10	-0.36	-1.20	-1.86	-1.00	-2.58	-2.49	-2.48	-1.46	-1.36	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.04	-5.37	-5.62	-5.78	-5.80	-5.70	-5.00	-4.02	-3.51	-3.56	-3.40	-3.10	-2.80	-2.50	-2.20	-1.92	-1.64	-1.36	-1.08	-0.80	
85	0.31	0.16	-0.26	-1.07	-1.86	-0.86	-2.60	-2.50	-2.49	-1.46	-1.36	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.04	-5.37	-5.62	-5.78	-5.80	-5.70	-5.00	-4.02	-3.51	-3.56	-3.40	-3.10	-2.80	-2.50	-2.20	-1.92	-1.64	-1.36	-1.08	-0.80	
90	0.31	0.21	-0.21	-0.86	-1.64	-0.64	-2.63	-2.53	-2.53	-1.46	-1.36	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.04	-5.37	-5.62	-5.78	-5.80	-5.70	-5.00	-4.02	-3.51	-3.56	-3.40	-3.10	-2.80	-2.50	-2.20	-1.92	-1.64	-1.36	-1.08	-0.80	
95	0.31	0.24	-0.05	-0.68	-1.44	-0.30	-2.63	-2.53	-2.53	-1.46	-1.36	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.04	-5.37	-5.62	-5.78	-5.80	-5.70	-5.00	-4.02	-3.51	-3.56	-3.40	-3.10	-2.80	-2.50	-2.20	-1.92	-1.64	-1.36	-1.08	-0.80	
100	0.31	0.31	0.11	0.38	-1.12	-0.22	-2.62	-2.69	-2.63	-1.42	-0.52	0.72	1.28	1.26	0.88	0.43	-0.05	-0.69	-1.54	-2.66	-4.12	-5.87	-8.07	-10.37	-10.94	-9.70	-8.48	-6.20	-4.86	-3.40	-2.10	-1.07	-0.31	-0.14	-0.07	-0.04	-0.03	
105	0.31	0.36	0.20	-0.11	-0.70	-0.11	-2.57	-2.67	-2.60	-1.42	-0.72	0.76	1.30	1.44	1.39	1.13	0.76	-0.22	-0.96	-1.80	-3.13	-4.75	-6.87	-9.48	-11.07	-11.36	-9.88	-8.74	-6.32	-4.03	-2.10	-1.07	-0.31	-0.14	-0.07	-0.04	-0.03	
110	0.31	0.45	0.43	0.17	-0.36	-1.02	-1.55	-1.49	-1.06	0.70	0.86	1.51	1.75	1.76	1.61	1.38	1.01	0.50	-0.07	-0.57	-1.36	-2.38	-3.82	-5.24	-6.77	-7.95	-8.38	-7.10	-5.15	-3.10	-1.63	-0.80	-0.40	-0.20	-0.10	-0.05		
115	0.31	0.51	0.58	0.43	0.05	-0.46	-0.87	-0.85	-0.32	0.47	1.19	1.68	1.88	1.88	1.76	1.41	1.04	0.60	-0.82	-1.22	-2.04	-3.08	-4.46	-5.88	-7.07	-7.82	-6.42	-4.46	-2.40	-1.17	-0.52	-0.24	-0.11	-0.05	-0.02	-0.01		
120	0.31	0.57	0.72	0.68	0.43	0.05	-0.28	-0.29	0.11	0.76	1.38	1.88	1.97	1.92	1.68	1.34	0.91	0.41	-0.15	-0.74	-1.23	-2.07	-3.09	-4.48	-5.86	-6.86	-7.06	-5.48	-3.42	-1.88	-1.04	-0.50	-0.24	-0.11	-0.05	-0.02		
125	0.31	0.63	0.86	0.91	0.78	0.51	0.28	0.22	0.52	1.03	1.54	1.87	1.88	1.88	1.61	1.21	0.71	0.14	-0.48	-1.10	-1.70	-2.42	-3.13	-3.99	-5.27	-6.07	-6.08	-4.70	-2.74	-1.57	-0.82	-0.42	-0.21	-0.10	-0.05	-0.02		
130	0.31	0.68	1.00	1.02	0.96	0.82	0.68	0.58	0.48	1.08	1.58	1.88	1.88	1.88	1.61	1.21	0.71	0.14	-0.48	-1.10	-1.70	-2.42	-3.13	-3.99	-5.27	-6.07	-6.08	-4.70	-2.74	-1.57	-0.82	-0.42	-0.21	-0.10	-0.05	-0.02		
135	0.31	0.74	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	-0.48	-1.10	-1.70	-2.42	-3.13	-3.99	-5.27	-6.07	-6.08	-4.70	-2.74	-1.57	-0.82	-0.42	-0.21	-0.10	-0.05	-0.02		
140	0.31	0.78	1.10	1.44	1.55	1.53	1.46	1.42	1.50	1.64	1.83	1.88	1.88	1.88	1.67	1.30	0.88	0.40	-0.14	-0.85	-1.40	-2.08	-2.80	-3.61	-4.62	-5.40	-5.40	-4.40	-2.40	-1.40	-0.80	-0.40	-0.20	-0.10	-0.05	-0.02		
145	0.31	0.82	1.26	1.56	1.72	1.75	1.77	1.69	1.73	1.69	1.73	1.69	1.73	1.69	1.73	1.69	1.73	1.69	-0.18	-0.82	-1.54	-2.29	-2.99	-3.59	-4.35	-4.63	-4.63	-3.63	-1.63	-0.63	-0.33	-0.17	-0.08	-0.04	-0.02	-0.01		
150	0.31	0.86	1.32	1.65	1.84	1.89	1.89	1.81	1.91	1.92	1.94	1.92	1.94	1.92	1.94	1.92	1.94	1.92	-0.40	-1.53	-2.19	-2.85	-3.40	-4.05	-4.62	-4.90	-4.90	-3.90	-1.90	-0.90	-0.45	-0.23	-0.12	-0.06	-0.03	-0.01		
155	0.31	0.88	1.36	1.72	1.86	1.92	1.92	1.86	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	-0.48	-1.60	-2.26	-2.91	-3.46	-4.01	-4.66	-4.94	-4.94	-3.94	-1.94	-0.94	-0.47	-0.24	-0.12	-0.06	-0.03	-0.01		
160	0.31	0.90	1.40	1.76	1.98	2.00	2.13	2.14	2.13	2.06	1.91	1.87	1.96	0.95	0.49	-0.01	-0.53	-1.06	-1.56	-2.04	-2.52	-3.03	-3.53	-4.03	-4.17	-4.17	-3.17	-1.17	-0.17	-0.08	-0.04	-0.02	-0.01	-0.01	-0.01	-0.01		
165	0.31	0.92	1.42	1.77	2.00	2.11	2.17	2.18	2.15	2.04	1.84	1.83	1.14	0.68	0.18	-0.35	-0.90	-1.42	-1.90	-2.38	-2.86	-3.42	-3.89	-4.28	-4.46	-4.46	-3.46	-1.46	-0.46	-0.23	-0.12	-0.06	-0.03	-0.01	-0.01	-0.01		
170	0.31	0.93	1.42	1.77	1.99	2.11	2.17	2.18	2.12	1.97	1.71	1.74	0.																									

5850 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Phi(Angle)		(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)
0	-0.0	1.01	2.34	2.80	2.08	0.61	-1.54	-3.23	-4.48	-4.70	-3.53	-1.94	-1.18	-1.68	-2.97	-3.98	-4.23	-4.54	-5.64	-6.08	-11.78	-14.28	-14.05	-11.91	-9.37	-5.88	-2.78	-0.93	-1.04	-12.73	-16.36	-17.32	-16.78	-16.12	-15.55	-15.30	-14.83	-14.43
5	-0.0	1.69	2.48	2.93	2.30	0.68	-1.46	-3.07	-3.78	-3.63	-2.32	-1.05	-0.48	-1.03	-2.37	-3.35	-3.59	-3.91	-5.13	-5.57	-11.26	-13.76	-13.53	-11.39	-8.85	-5.74	-2.64	-0.79	-0.90	-12.67	-16.30	-17.26	-16.72	-16.06	-15.49	-15.24	-14.77	-14.37
10	-0.0	2.37	3.16	3.61	2.98	1.16	-1.28	-2.70	-3.16	-2.86	-1.60	-0.31	0.22	-0.81	-1.71	-2.55	-2.79	-3.11	-4.33	-4.77	-10.46	-12.96	-12.73	-10.59	-8.05	-4.94	-1.84	-0.00	-1.11	-12.56	-16.19	-17.15	-16.61	-15.95	-15.38	-15.13	-14.66	-14.26
15	-0.0	3.05	3.84	4.29	3.66	1.84	-1.10	-2.32	-2.58	-2.28	-1.03	0.26	0.79	-0.88	-1.72	-2.55	-2.79	-3.11	-4.33	-4.77	-10.46	-12.96	-12.73	-10.59	-8.05	-4.94	-1.84	-0.00	-1.11	-12.56	-16.19	-17.15	-16.61	-15.95	-15.38	-15.13	-14.66	-14.26
20	-0.0	3.73	4.52	4.97	4.34	2.42	-0.84	-1.98	-2.08	-1.78	-0.53	0.78	1.31	-1.20	-2.04	-2.87	-3.11	-3.43	-4.65	-5.09	-10.78	-13.28	-13.05	-10.91	-8.37	-5.26	-2.16	-0.31	-1.42	-12.45	-16.08	-17.04	-16.50	-15.84	-15.27	-15.02	-14.55	-14.15
25	-0.0	4.41	5.20	5.65	5.02	3.00	-1.50	-2.64	-2.54	-2.24	-0.99	1.07	1.60	-1.48	-2.32	-3.15	-3.39	-3.71	-4.93	-5.37	-11.06	-13.56	-13.33	-11.19	-8.65	-5.54	-2.44	-0.59	-1.53	-12.34	-15.97	-16.93	-16.39	-15.73	-15.16	-14.91	-14.44	-14.04
30	-0.0	5.09	5.88	6.33	5.70	3.58	-2.00	-3.10	-2.80	-2.50	-1.25	1.36	1.89	-1.98	-2.82	-3.65	-3.89	-4.21	-5.43	-5.87	-11.66	-14.16	-13.93	-11.79	-9.25	-6.14	-3.04	-1.19	-1.63	-12.23	-15.86	-16.82	-16.28	-15.62	-15.05	-14.80	-14.33	-13.93
35	-0.0	5.77	6.56	7.01	6.38	4.14	-2.40	-3.50	-3.20	-2.90	-1.65	1.77	2.30	-2.28	-3.12	-3.95	-4.19	-4.51	-5.73	-6.17	-12.24	-14.74	-14.51	-12.37	-9.83	-6.72	-3.62	-1.77	-1.77	-12.12	-15.75	-16.71	-16.17	-15.51	-14.94	-14.69	-14.22	-13.82
40	-0.0	6.45	7.24	7.69	7.06	4.78	-2.80	-3.90	-3.60	-3.30	-2.05	2.00	2.53	-2.52	-3.36	-4.19	-4.43	-4.75	-5.97	-6.41	-12.82	-15.32	-15.09	-12.95	-10.41	-7.30	-4.20	-2.35	-1.85	-12.01	-15.64	-16.60	-16.06	-15.40	-14.83	-14.58	-14.11	-13.71
45	-0.0	7.13	7.92	8.37	7.74	5.32	-3.20	-4.30	-4.00	-3.70	-2.45	2.30	2.83	-2.82	-3.66	-4.49	-4.73	-5.05	-6.27	-6.71	-13.40	-15.90	-15.67	-13.53	-10.99	-7.88	-4.78	-2.93	-2.13	-11.90	-15.53	-16.49	-15.95	-15.29	-14.72	-14.47	-14.00	-13.60
50	-0.0	7.81	8.60	9.05	8.42	5.90	-3.60	-4.70	-4.40	-4.10	-2.85	2.60	3.13	-3.12	-3.96	-4.79	-5.03	-5.35	-6.57	-7.01	-13.98	-16.48	-16.25	-14.11	-11.57	-8.46	-5.36	-3.51	-2.51	-11.79	-15.42	-16.38	-15.84	-15.18	-14.61	-14.36	-13.89	-13.49
55	-0.0	8.49	9.28	9.73	9.10	6.46	-4.00	-5.10	-4.80	-4.50	-3.25	2.90	3.43	-3.42	-4.26	-5.09	-5.33	-5.65	-6.87	-7.31	-14.56	-17.06	-16.83	-14.69	-12.15	-9.04	-5.94	-4.09	-3.09	-11.68	-15.31	-16.27	-15.73	-15.07	-14.50	-14.25	-13.78	-13.38
60	-0.0	9.17	9.96	10.41	9.78	7.02	-4.40	-5.50	-5.20	-4.90	-3.65	3.10	3.63	-3.62	-4.46	-5.29	-5.53	-5.85	-7.07	-7.51	-15.14	-17.64	-17.41	-15.27	-12.73	-9.62	-6.52	-4.67	-3.67	-11.57	-15.20	-16.16	-15.62	-14.96	-14.40	-14.15	-13.68	-13.28
65	-0.0	9.85	10.64	11.09	10.46	7.60	-4.80	-5.90	-5.60	-5.30	-4.05	3.50	4.03	-4.02	-4.86	-5.69	-5.93	-6.25	-7.47	-7.91	-15.72	-18.22	-17.99	-15.85	-13.31	-10.20	-7.10	-5.25	-4.25	-11.46	-15.09	-16.05	-15.51	-14.85	-14.30	-14.05	-13.58	-13.18
70	-0.0	10.53	11.32	11.77	11.14	8.28	-5.20	-6.30	-6.00	-5.70	-4.45	3.90	4.43	-4.42	-5.26	-6.09	-6.33	-6.65	-7.87	-8.31	-16.30	-18.80	-18.57	-16.43	-13.89	-10.78	-7.68	-5.83	-4.83	-11.35	-14.98	-15.94	-15.40	-14.74	-14.19	-13.94	-13.47	-13.07
75	-0.0	11.21	12.00	12.45	11.82	8.86	-5.60	-6.70	-6.40	-6.10	-4.85	4.30	4.83	-4.82	-5.66	-6.49	-6.73	-7.05	-8.27	-8.71	-16.88	-19.38	-19.15	-17.01	-14.47	-11.36	-8.26	-6.41	-5.41	-11.24	-14.87	-15.83	-15.29	-14.63	-14.08	-13.83	-13.36	-12.96
80	-0.0	11.89	12.68	13.13	12.50	9.42	-6.00	-7.10	-6.80	-6.50	-5.25	4.70	5.23	-5.22	-6.06	-6.89	-7.13	-7.45	-8.67	-9.11	-17.46	-19.96	-19.73	-17.59	-15.05	-11.94	-8.84	-6.99	-5.99	-11.13	-14.76	-15.72	-15.18	-14.52	-13.97	-13.72	-13.25	-12.85
85	-0.0	12.57	13.36	13.81	13.18	10.00	-6.40	-7.50	-7.20	-6.90	-5.65	5.10	5.63	-5.62	-6.46	-7.29	-7.53	-7.85	-9.07	-9.51	-18.04	-20.54	-20.31	-18.17	-15.63	-12.52	-9.42	-7.57	-6.57	-11.02	-14.65	-15.61	-15.07	-14.41	-13.86	-13.61	-13.14	-12.74
90	-0.0	13.25	14.04	14.49	13.86	10.58	-6.80	-7.90	-7.60	-7.30	-6.05	5.50	6.03	-6.02	-6.86	-7.69	-7.93	-8.25	-9.47	-9.91	-18.62	-21.12	-20.89	-18.75	-16.21	-13.10	-10.00	-8.15	-7.15	-10.91	-14.54	-15.50	-14.96	-14.30	-13.75	-13.50	-13.03	-12.63
95	-0.0	13.93	14.72	15.17	14.54	11.16	-7.20	-8.30	-8.00	-7.70	-6.45	5.90	6.43	-6.42	-7.26	-8.09	-8.33	-8.65	-9.87	-10.31	-19.20	-21.70	-21.47	-19.33	-16.79	-13.68	-10.58	-8.73	-7.73	-10.80	-14.43	-15.39	-14.85	-14.19	-13.64	-13.39	-12.92	-12.52
100	-0.0	14.61	15.40	15.85	15.22	11.78	-7.60	-8.70	-8.40	-8.10	-6.85	6.30	6.83	-6.82	-7.66	-8.49	-8.73	-9.05	-10.27	-10.71	-19.78	-22.28	-22.05	-19.93	-17.39	-14.28	-11.18	-9.33	-8.33	-10.69	-14.32	-15.28	-14.74	-14.08	-13.53	-13.28	-12.81	-12.41
105	-0.0	15.29	16.08	16.53	15.90	12.40	-8.00	-9.10	-8.80	-8.50	-7.25	6.70	7.23	-7.22	-8.06	-8.89	-9.13	-9.45	-10.67	-11.11	-20.36	-22.86	-22.63	-20.51	-17.97	-14.86	-11.76	-9.91	-8.91	-10.50	-14.21	-15.17	-14.63	-13.97	-13.42	-13.17	-12.70	-12.30
110	-0.0	15.97	16.76	17.21	16.58	13.00	-8.40	-9.50	-9.20	-8.90	-7.65	7.10	7.63	-7.62	-8.44	-9.27	-9.51	-9.83	-11.05	-11.49	-20.94	-23.44	-23.21	-21.09	-18.55	-15.44	-12.34	-10.49	-9.49	-10.39	-14.12	-15.08	-14.54	-13.88	-13.33	-13.08	-12.61	-12.21
115	-0.0	16.65	17.44	17.89	17.26	13.60	-8.80	-9.90	-9.60	-9.30	-8.05	7.50	8.03	-8.02	-8.82	-9.65	-9.89	-10.21	-11.43	-11.87	-21.52	-24.02	-23.79	-21.67	-19.13	-16.02	-12.92	-11.07	-10.07	-9.99	-10.09	-13.91	-14.87	-14.33	-13.67	-13.12	-12.87	-12.40
120	-0.0	17.33	18.12	18.57	17.94	14.20	-9.20	-10.30	-10.00	-9.70	-8.45	7.90	8.43	-8.42	-9.22	-10.05	-10.29	-10.61	-11.83	-12.27	-22.10	-24.60	-24.37	-22.25	-19.71	-16.60	-13.50	-11.65	-10.65	-10.57	-10.67	-13.79	-14.75	-14.21	-13.55	-13.00	-12.75	-12.28
125	-0.0	18.01	18.80	19.25	18.62	14.80	-9.60	-10.70	-10.40	-10.10	-8.85	8.30	8.83	-8.82	-9.62	-10.45	-10.69	-11.01	-12.23	-12.67	-22.68	-25.18	-24.95	-22.83	-20.29	-17.18	-14.08	-12.23	-11.23	-11.15	-11.25	-13.61	-14.57	-14.03	-13.37	-12.82	-12.57	-12.10
130	-0.0	18.69	19.48	19.93	19.30	15.40	-10.00	-11.10	-10.80	-10.50	-9.25	8.70	9.23	-9.22	-10.00	-10.83	-11.07	-11.39	-12.61	-13.05	-23.26	-25.76	-25.53	-23.41	-20.87	-17.76	-14.66	-12.81	-11.81	-11.73	-11.83	-13.51	-14.47	-13.93	-13.27	-12.72	-12.47	-12.00
135	-0.0	19.37	20.16	20.61	19.98	16.00	-10.40	-11.50	-11.20	-10.90	-9.65	9.10	9.63	-9.62	-10.38	-11.21	-11.45	-11.77	-12.99	-13.43	-23.84	-26.34	-26.11	-24.01	-21.47	-18.36	-15.26	-13.41	-12.41	-12.33	-12.43	-13.39	-14.35	-13.81	-13.15	-12.60	-12.35	-11.88
140	-0.0	20.05	20.84	21.29	20.66	16.60	-10.80	-11.90	-11.60	-11.30	-10.05	9.50	10.03	-10.02	-10.78	-11.61	-11.85	-12.17	-13.39	-13.83	-24.42	-26.92	-26.69	-24.59	-22.05	-18.94	-15.84	-13.99	-12.99	-12.91	-13.01	-13.11	-14.07	-13.53	-12.87	-12.32	-12.07	-11.60
145	-0.0	20.73	21.52	21.97	21.34	17.20	-11.20	-12.30	-12.00	-11.70	-10.45	9.90	10.43	-10.42	-11.18	-12.01	-12.25	-12.57	-13.79	-14.23	-25.00	-27.50	-27.27	-25.17	-22.63	-19.52	-16.42	-14.57	-13.57	-13.49	-13.59	-14.55	-14.01	-13.35	-12.80	-12.55	-12.08	-11.73
150	-0.0	21.41	22.20	22.65	22.02	17.80	-11.60	-12.70	-12.40	-12.10	-10.85	10.30	10.83	-10.82	-11.58	-12.41	-12.65	-12.97	-14.19	-14.63	-25.58	-28.08	-27.85	-25.75	-23.21	-20.10	-16.99	-15.14	-14.14	-14.06	-14.16	-15.12	-14.58	-13.92	-13.37	-13.12	-12.65	-12.30
155	-0.0	22.09	22.88	23.33	22.70	18.40	-12.00	-13.10	-12.80	-12.50	-11.25	10.70	11.23	-11.22	-11.98	-12.81	-13.05	-13.37	-1																			

Doc.No.:3.8.05 Rev

7125 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Ph(Angle)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)
0	-2.27	-4.39	-6.97	-1.94	-3.60	-6.10	-4.28	-10.20	-14.33	-8.65	-4.44	-1.40	0.09	0.43	0.04	-0.41	-0.49	-0.57	-1.34	-3.29	-5.55	-5.53	-4.10	-11.25	-10.20	-7.87	-6.53	-4.09	-9.00	-3.50	-13.09	-19.00	-17.78	-18.84	-15.71	-15.24	-16.40	-16.42
5	-2.27	-4.47	-7.11	-2.00	-3.29	-5.38	-3.48	-9.38	-16.94	-11.41	-4.21	-3.27	0.34	0.93	0.65	-0.83	-0.45	-0.78	-1.44	-3.38	-5.41	-5.25	-3.74	-13.27	-14.75	-10.66	-8.58	-5.94	-8.82	-5.58	-13.66	-19.78	-18.46	-15.38	-14.74	-14.75	-16.40	-16.42
10	-2.27	-4.55	-9.84	-2.34	-3.58	-5.68	-3.78	-9.68	-17.64	-12.11	-4.51	-3.57	0.64	1.19	1.04	-1.34	-0.70	-1.01	-1.67	-3.61	-5.67	-5.40	-3.87	-11.86	-13.33	-9.26	-7.18	-4.48	-9.00	-4.00	-10.68	-16.80	-15.48	-14.28	-13.96	-14.28	-16.40	-16.42
15	-2.27	-4.63	-13.38	-2.64	-3.88	-5.98	-4.08	-10.98	-19.33	-13.13	-4.82	-3.87	1.00	1.50	1.30	-1.60	-0.95	-1.25	-1.90	-3.84	-5.88	-5.61	-4.08	-12.46	-13.93	-9.86	-7.78	-5.01	-9.00	-4.50	-11.38	-17.50	-16.18	-14.98	-14.66	-14.98	-16.40	-16.42
20	-2.27	-4.71	-17.40	-2.95	-4.20	-6.30	-4.39	-11.68	-21.03	-13.83	-5.12	-4.17	1.29	1.80	1.61	-1.89	-1.25	-1.55	-2.20	-4.14	-6.18	-5.91	-4.38	-13.04	-14.51	-10.44	-8.36	-5.59	-9.00	-5.00	-11.98	-17.10	-15.78	-14.58	-14.26	-14.58	-16.40	-16.42
25	-2.27	-4.77	-21.49	-3.28	-4.57	-6.68	-4.70	-12.38	-22.73	-14.53	-5.41	-4.40	1.50	2.00	1.81	-2.10	-1.50	-1.80	-2.45	-4.40	-6.44	-6.17	-4.65	-13.62	-15.09	-11.02	-8.94	-6.17	-9.00	-5.50	-12.58	-17.70	-16.38	-15.18	-14.86	-15.18	-16.40	-16.42
30	-2.27	-4.84	-25.64	-3.61	-4.85	-6.98	-5.01	-13.08	-24.43	-15.43	-5.63	-4.69	1.71	2.21	2.02	-2.30	-1.70	-2.00	-2.75	-4.69	-6.73	-6.46	-4.93	-14.16	-15.63	-11.56	-9.48	-6.67	-9.00	-6.00	-13.18	-18.20	-16.88	-15.68	-15.36	-15.68	-16.40	-16.42
35	-2.27	-4.90	-29.76	-3.94	-5.18	-7.30	-5.34	-13.78	-26.13	-16.33	-5.85	-4.90	1.92	2.42	2.23	-2.50	-1.90	-2.20	-2.90	-4.69	-6.82	-6.55	-5.11	-14.68	-16.15	-12.08	-9.99	-7.00	-9.00	-6.50	-13.78	-18.70	-17.38	-16.18	-15.86	-16.18	-16.40	-16.42
40	-2.27	-4.96	-33.88	-4.26	-5.51	-7.64	-5.64	-14.48	-27.83	-17.23	-6.07	-5.10	2.13	2.63	2.44	-2.70	-2.10	-2.40	-3.15	-4.68	-6.89	-6.62	-5.31	-15.20	-16.67	-12.58	-10.49	-7.30	-9.00	-7.00	-14.38	-19.20	-17.88	-16.68	-16.36	-16.68	-16.40	-16.42
45	-2.27	-5.04	-38.00	-4.59	-5.84	-8.00	-5.90	-15.18	-29.53	-18.13	-6.29	-5.39	2.34	2.84	2.65	-2.90	-2.30	-2.60	-3.45	-4.67	-6.98	-6.71	-5.51	-15.72	-17.19	-13.08	-11.00	-7.60	-9.00	-7.50	-14.98	-19.70	-18.38	-17.18	-16.86	-17.18	-16.40	-16.42
50	-2.27	-5.10	-42.12	-4.92	-6.18	-8.30	-6.18	-15.88	-31.23	-19.03	-6.59	-5.69	2.55	3.05	2.86	-3.10	-2.50	-2.80	-3.75	-4.66	-7.09	-6.84	-5.83	-16.24	-17.71	-13.58	-11.50	-7.90	-9.00	-8.00	-15.58	-20.20	-18.88	-17.68	-17.36	-17.68	-16.40	-16.42
55	-2.27	-5.16	-46.24	-5.25	-6.49	-8.60	-6.49	-16.58	-32.93	-19.93	-6.89	-5.99	2.76	3.26	3.07	-3.30	-2.70	-3.00	-4.05	-4.65	-7.20	-6.95	-6.03	-16.76	-18.23	-14.08	-11.90	-8.10	-9.00	-8.50	-16.18	-20.70	-19.38	-18.18	-17.86	-18.18	-16.40	-16.42
60	-2.27	-5.22	-50.36	-5.59	-6.80	-8.90	-6.79	-17.28	-34.63	-20.83	-7.19	-6.29	2.97	3.47	3.28	-3.50	-2.90	-3.20	-4.35	-4.64	-7.31	-7.00	-6.18	-17.28	-18.73	-14.58	-12.30	-8.30	-9.00	-9.00	-16.78	-21.20	-19.88	-18.68	-18.36	-18.68	-16.40	-16.42
65	-2.27	-5.28	-54.48	-5.92	-7.11	-9.20	-7.09	-17.98	-36.33	-21.73	-7.49	-6.59	3.18	3.68	3.49	-3.70	-3.10	-3.40	-4.65	-4.63	-7.42	-7.11	-6.39	-17.78	-19.23	-15.08	-12.70	-8.50	-9.00	-9.50	-17.38	-21.70	-20.38	-19.18	-18.86	-19.18	-16.40	-16.42
70	-2.27	-5.34	-58.60	-6.25	-7.42	-9.50	-7.39	-18.68	-38.03	-22.63	-7.79	-6.89	3.39	3.89	3.70	-3.90	-3.30	-3.60	-4.95	-4.93	-7.53	-7.22	-6.59	-18.28	-19.73	-15.58	-13.10	-8.70	-9.00	-10.00	-17.98	-22.20	-20.88	-19.68	-19.36	-19.68	-16.40	-16.42
75	-2.27	-5.40	-62.72	-6.58	-7.73	-9.80	-7.69	-19.38	-39.73	-23.53	-8.09	-7.19	3.60	4.09	3.90	-4.10	-3.50	-3.80	-5.25	-5.23	-7.64	-7.33	-6.89	-18.78	-20.23	-16.08	-13.50	-8.90	-9.00	-10.50	-18.58	-22.70	-21.38	-20.18	-19.86	-20.18	-16.40	-16.42
80	-2.27	-5.46	-66.84	-6.91	-8.04	-10.10	-8.09	-20.08	-41.43	-24.43	-8.39	-7.49	3.81	4.31	4.12	-4.30	-3.70	-4.00	-5.55	-5.53	-7.75	-7.44	-7.19	-19.28	-20.73	-16.58	-13.90	-9.10	-9.00	-11.00	-19.18	-23.20	-21.88	-20.68	-20.36	-20.68	-16.40	-16.42
85	-2.27	-5.52	-70.96	-7.25	-8.35	-10.40	-8.39	-20.78	-43.13	-25.33	-8.69	-7.79	4.02	4.52	4.33	-4.50	-3.90	-4.20	-5.95	-5.93	-7.86	-7.55	-7.39	-19.78	-21.23	-17.08	-14.30	-9.30	-9.00	-11.50	-19.78	-23.70	-22.38	-21.18	-20.86	-21.18	-16.40	-16.42
90	-2.27	-5.58	-75.08	-7.58	-8.66	-10.70	-8.69	-21.48	-44.83	-26.23	-8.99	-8.09	4.23	4.73	4.54	-4.70	-4.10	-4.40	-6.35	-6.33	-7.97	-7.66	-7.59	-20.28	-21.73	-17.58	-14.70	-9.50	-9.00	-12.00	-20.38	-24.20	-22.88	-21.68	-21.36	-21.68	-16.40	-16.42
95	-2.27	-5.64	-79.20	-7.91	-8.97	-11.00	-8.99	-22.18	-46.53	-27.13	-9.29	-8.39	4.44	4.94	4.75	-4.90	-4.30	-4.60	-7.15	-7.13	-8.08	-7.77	-7.79	-20.78	-22.23	-18.08	-15.10	-9.70	-9.00	-12.50	-20.98	-24.70	-23.38	-22.18	-21.86	-22.18	-16.40	-16.42
100	-2.27	-5.70	-83.32	-8.24	-9.28	-11.30	-9.29	-22.88	-48.23	-28.03	-9.59	-8.69	4.65	5.15	4.96	-5.10	-4.50	-4.80	-7.55	-7.53	-8.19	-7.88	-7.89	-21.28	-22.73	-18.58	-15.50	-9.90	-9.00	-13.00	-21.58	-25.20	-23.88	-22.68	-22.36	-22.68	-16.40	-16.42
105	-2.27	-5.76	-87.44	-8.57	-9.59	-11.60	-9.59	-23.58	-49.93	-28.93	-9.89	-8.99	4.86	5.36	5.17	-5.30	-4.70	-5.00	-7.95	-7.93	-8.30	-8.00	-7.99	-21.78	-23.23	-19.08	-15.90	-10.10	-9.00	-13.50	-22.18	-25.70	-24.38	-23.18	-22.86	-23.18	-16.40	-16.42
110	-2.27	-5.82	-91.56	-8.90	-9.90	-11.90	-9.89	-24.28	-51.63	-29.83	-10.19	-9.29	5.07	5.57	5.38	-5.50	-4.90	-5.20	-8.35	-8.33	-8.49	-8.18	-8.19	-22.28	-23.73	-19.58	-16.30	-10.30	-9.00	-14.00	-22.78	-26.20	-24.88	-23.68	-23.36	-23.68	-16.40	-16.42
115	-2.27	-5.88	-95.68	-9.23	-10.21	-12.20	-10.19	-24.98	-53.33	-30.73	-10.49	-9.59	5.28	5.78	5.59	-5.70	-5.10	-5.40	-8.75	-8.73	-8.60	-8.29	-8.29	-22.78	-24.23	-20.08	-16.70	-10.50	-9.00	-14.50	-23.38	-26.70	-25.38	-24.18	-23.86	-24.18	-16.40	-16.42
120	-2.27	-5.94	-99.80	-9.56	-10.52	-12.50	-10.49	-25.68	-55.03	-31.63	-10.79	-9.89	5.49	5.99	5.80	-5.90	-5.30	-5.60	-9.15	-9.13	-8.89	-8.58	-8.58	-23.28	-24.73	-20.58	-17.10	-10.70	-9.00	-15.00	-23.98	-27.20	-25.88	-24.68	-24.36	-24.68	-16.40	-16.42
125	-2.27	-6.00	-103.92	-9.89	-10.83	-12.80	-10.79	-26.38	-56.73	-32.53	-11.09	-10.19	5.70	6.20	6.01	-6.10	-5.50	-5.80	-9.55	-9.53	-9.09	-8.78	-8.78	-23.78	-25.23	-21.08	-17.50	-10.90	-9.00	-15.50	-24.58	-27.70	-26.38	-25.18	-24.86	-25.18	-16.40	-16.42
130	-2.27	-6.06	-108.04	-10.22	-11.14	-13.10	-11.09	-27.08	-58.43	-33.43	-11.39	-10.49	5.91	6.41	6.22	-6.30	-5.70	-6.00	-9.95	-9.93	-9.29	-8.98	-8.98	-24.28	-25.73	-21.58	-17.90	-11.10	-9.00	-16.00	-25.18	-28.20	-26.88	-25.68	-25.36	-25.68	-16.40	-16.42
135	-2.27	-6.12	-112.16	-10.55	-11.45	-13.40	-11.39	-27.78	-60.13	-34.33	-11.69	-10.79	6.12	6.62	6.43	-6.50	-5.90	-6.20	-10.35	-10.33	-9.49	-9.18	-9.18	-24.78	-26.23	-22.08	-18.30	-11.30	-9.00	-16.50	-25.78	-28.70	-27.38	-26.18	-25.86	-26.18	-16.40	-16.42
140	-2.27	-6.18	-116.28	-10.88	-11.76	-13.70	-11.69	-28.48	-61.83	-35.23	-11.99	-11.09	6.33	6.83	6.64	-6.70	-6.10	-6.40	-10.75	-10.73	-9.69	-9.38	-9.38	-25.28	-26.73	-22.58	-18.70	-11.50	-9.00	-17.00	-26.38	-29.20	-27.88	-26.68	-26.36	-26.68	-16.40	-16.42
145	-2.27	-6.24	-120.40	-11.21	-12.07	-14.00	-11.99	-29.18	-63.53	-36.13	-12.29	-11.39	6.54	7.04	6.85	-6.90	-6.30	-6.60	-11.15	-11.13	-9.89	-9.58	-9.58	-25.78	-27.23	-23.08	-19.10	-11.70	-9.00	-17.50	-26.98	-29.70	-28.38	-27.18	-26.86	-27.18	-16.40	-16.42
150	-2.27	-6.30	-124.52	-11.54	-12.38	-14.30	-12.29	-29.88	-65.23	-37.03	-12.59	-11.69	6.75	7.25	7.06	-7.10	-6.50	-6.80	-11.55	-11.53	-10.09	-9.78	-9.78	-26.28	-27.73	-23.58	-19.50	-11.90	-9.00	-18.00	-27.58	-30.20	-28.88	-27.68	-27.36	-27.68	-16.40	-16.42
155	-2.27	-6.36	-128.64	-11.87	-12.69	-14.60	-12.59	-30.58	-66.93	-37.93	-12.89	-11.99	6.96	7.46	7.27	-7.30	-6																					

