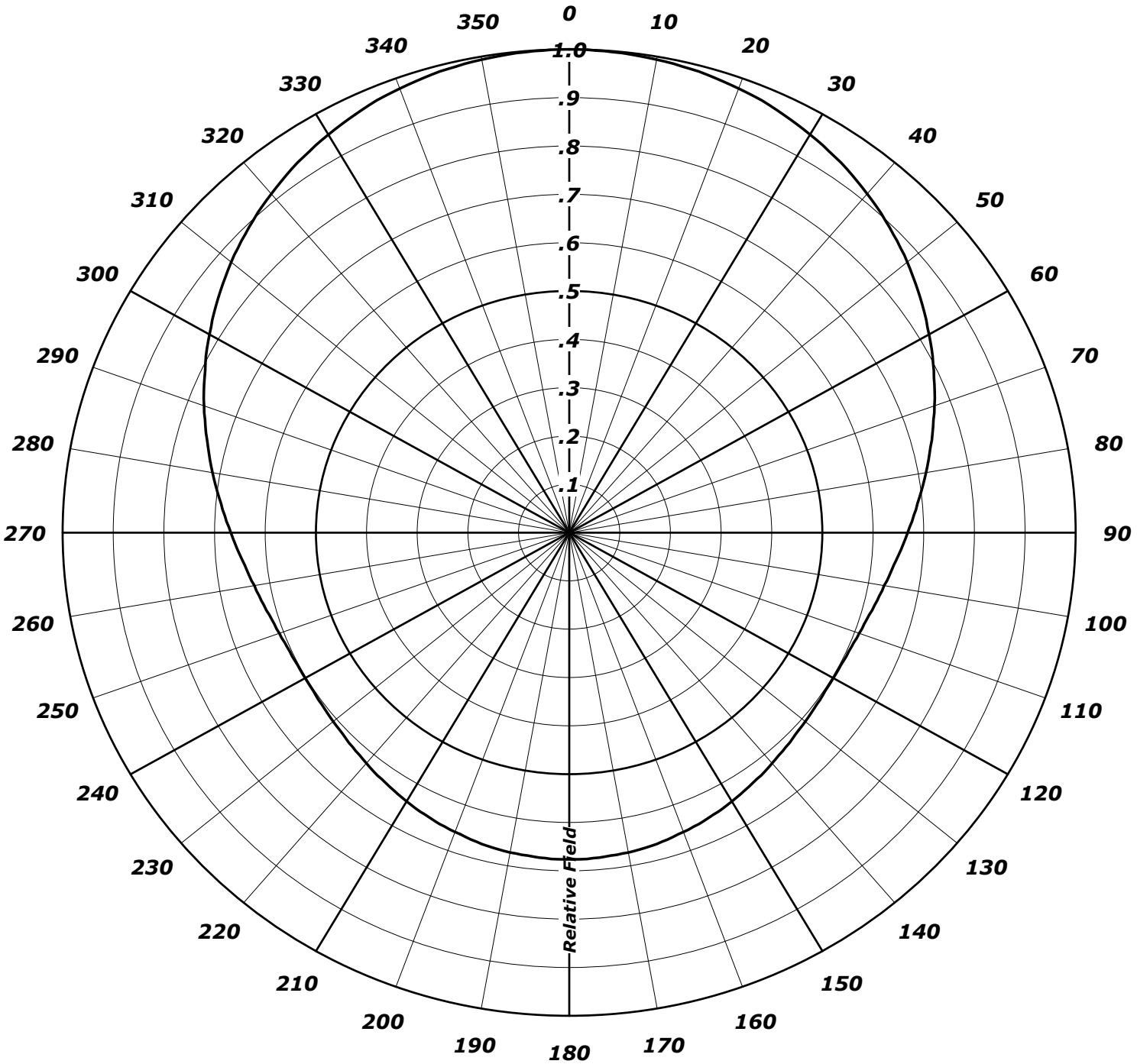
ANDREW

AZIMUTH PATTERN

Type:	ALP-OC	
	Numeric	dBd
Directivity:	1.70	(2.30)
Peak(s) At:		
Polarization:		
Channel:		
Location:		



ANDREW CORPORATION
10500 W. 153rd Street
Orland Park, Illinois U.S.A. 60462

ANDREW

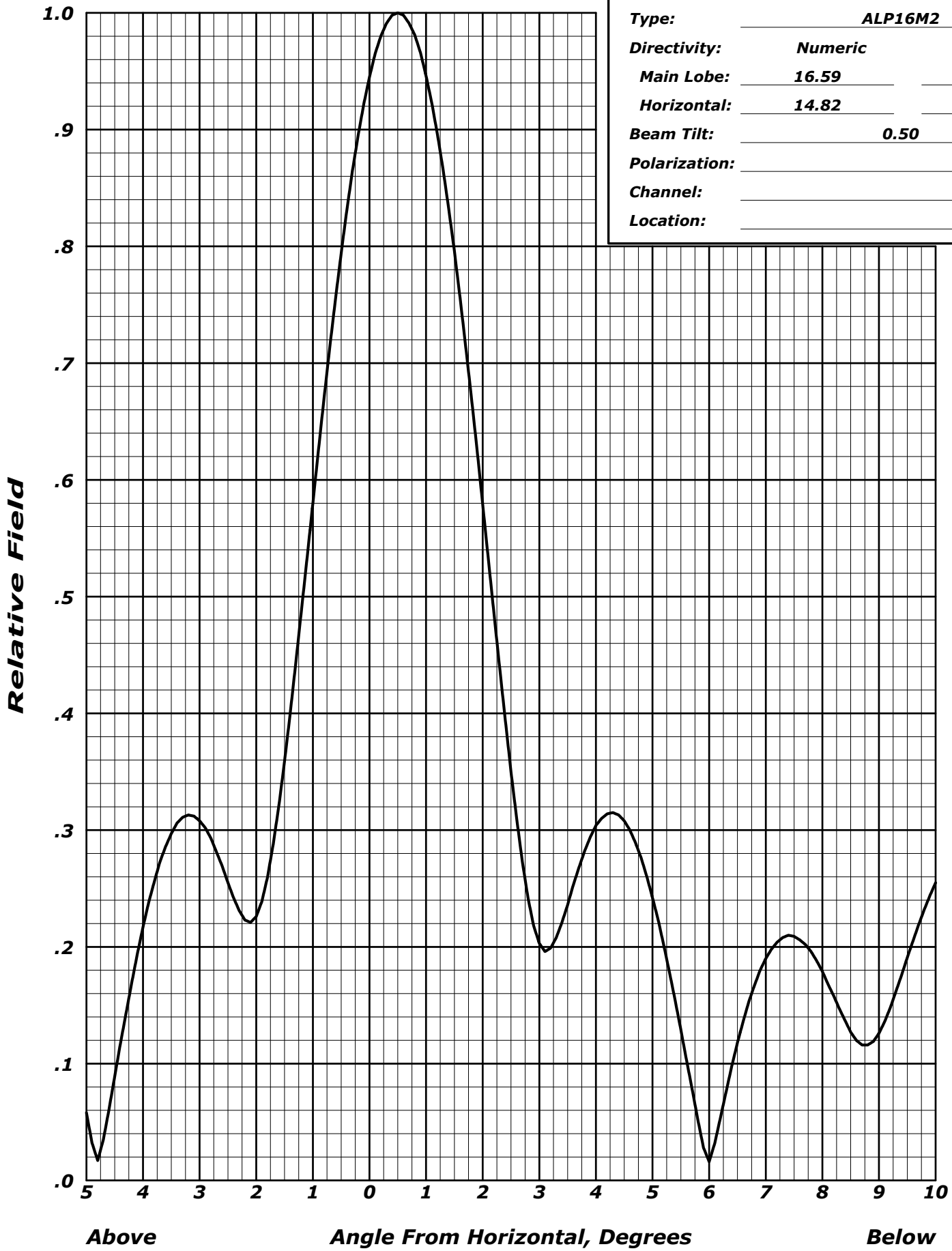
TABULATED DATA FOR AZIMUTH PATTERN
TYPE : ALP-OC

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
0	1.000	0.00	110	0.609	-4.31	220	0.623	-4.11	330	0.951	-0.44
2	1.000	0.00	112	0.606	-4.35	222	0.619	-4.17	332	0.957	-0.38
4	0.999	-0.01	114	0.604	-4.38	224	0.616	-4.21	334	0.963	-0.33
6	0.998	-0.02	116	0.603	-4.39	226	0.613	-4.25	336	0.969	-0.27
8	0.996	-0.03	118	0.602	-4.41	228	0.610	-4.29	338	0.974	-0.23
10	0.994	-0.05	120	0.602	-4.41	230	0.608	-4.32	340	0.978	-0.19
12	0.992	-0.07	122	0.602	-4.41	232	0.606	-4.35	342	0.982	-0.16
14	0.989	-0.10	124	0.603	-4.39	234	0.604	-4.38	344	0.986	-0.12
16	0.986	-0.12	126	0.604	-4.38	236	0.603	-4.39	346	0.989	-0.10
18	0.982	-0.16	128	0.606	-4.35	238	0.602	-4.41	348	0.992	-0.07
20	0.978	-0.19	130	0.608	-4.32	240	0.602	-4.41	350	0.994	-0.05
22	0.974	-0.23	132	0.610	-4.29	242	0.602	-4.41	352	0.996	-0.03
24	0.969	-0.27	134	0.613	-4.25	244	0.603	-4.39	354	0.998	-0.02
26	0.963	-0.33	136	0.616	-4.21	246	0.604	-4.38	356	0.999	-0.01
28	0.957	-0.38	138	0.619	-4.17	248	0.606	-4.35	358	1.000	0.00
30	0.951	-0.44	140	0.623	-4.11	250	0.609	-4.31	360	1.000	0.00
32	0.945	-0.49	142	0.627	-4.05	252	0.612	-4.26			
34	0.938	-0.56	144	0.630	-4.01	254	0.616	-4.21			
36	0.931	-0.62	146	0.634	-3.96	256	0.621	-4.14			
38	0.923	-0.70	148	0.638	-3.90	258	0.626	-4.07			
40	0.915	-0.77	150	0.642	-3.85	260	0.631	-4.00			
42	0.907	-0.85	152	0.646	-3.80	262	0.638	-3.90			
44	0.898	-0.93	154	0.649	-3.76	264	0.644	-3.82			
46	0.889	-1.02	156	0.653	-3.70	266	0.652	-3.72			
48	0.880	-1.11	158	0.656	-3.66	268	0.660	-3.61			
50	0.871	-1.20	160	0.659	-3.62	270	0.668	-3.50			
52	0.861	-1.30	162	0.662	-3.58	272	0.677	-3.39			
54	0.851	-1.40	164	0.665	-3.54	274	0.686	-3.27			
56	0.841	-1.50	166	0.668	-3.50	276	0.695	-3.16			
58	0.831	-1.61	168	0.670	-3.48	278	0.705	-3.04			
60	0.820	-1.72	170	0.672	-3.45	280	0.715	-2.91			
62	0.810	-1.83	172	0.673	-3.44	282	0.725	-2.79			
64	0.799	-1.95	174	0.674	-3.43	284	0.735	-2.67			
66	0.788	-2.07	176	0.675	-3.41	286	0.746	-2.55			
68	0.778	-2.18	178	0.676	-3.40	288	0.756	-2.43			
70	0.767	-2.30	180	0.676	-3.40	290	0.767	-2.30			
72	0.756	-2.43	182	0.676	-3.40	292	0.778	-2.18			
74	0.746	-2.55	184	0.675	-3.41	294	0.788	-2.07			
76	0.735	-2.67	186	0.674	-3.43	296	0.799	-1.95			
78	0.725	-2.79	188	0.673	-3.44	298	0.810	-1.83			
80	0.715	-2.91	190	0.672	-3.45	300	0.820	-1.72			
82	0.705	-3.04	192	0.670	-3.48	302	0.831	-1.61			
84	0.695	-3.16	194	0.668	-3.50	304	0.841	-1.50			
86	0.686	-3.27	196	0.665	-3.54	306	0.851	-1.40			
88	0.677	-3.39	198	0.662	-3.58	308	0.861	-1.30			
90	0.668	-3.50	200	0.659	-3.62	310	0.871	-1.20			
92	0.660	-3.61	202	0.656	-3.66	312	0.880	-1.11			
94	0.652	-3.72	204	0.653	-3.70	314	0.889	-1.02			
96	0.644	-3.82	206	0.649	-3.76	316	0.898	-0.93			
98	0.638	-3.90	208	0.646	-3.80	318	0.907	-0.85			
100	0.631	-4.00	210	0.642	-3.85	320	0.915	-0.77			
102	0.626	-4.07	212	0.638	-3.90	322	0.923	-0.70			
104	0.621	-4.14	214	0.634	-3.96	324	0.931	-0.62			
106	0.616	-4.21	216	0.630	-4.01	326	0.938	-0.56			
108	0.612	-4.26	218	0.627	-4.05	328	0.945	-0.49			

ANDREW

ELEVATION PATTERN

Type:	ALP16M2	
Directivity:	Numeric	dBd
Main Lobe:	16.59	(12.20)
Horizontal:	14.82	(11.71)
Beam Tilt:	0.50	
Polarization:		
Channel:		
Location:		



ANDREW CORPORATION
10500 W. 153rd Street
Orland Park, Illinois U.S.A. 60462

ANDREW

TABULATED DATA FOR ELEVATION PATTERN
TYPE : ALP16M2

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-5 To 10			10 To 90								
In 0.25 Increments			In 0.5 Increments								
-5.00	0.058	-24.73	8.75	0.116	-18.71	35.00	0.156	-16.14	62.50	0.091	-20.82
-4.75	0.026	-31.70	9.00	0.126	-17.99	35.50	0.159	-15.97	63.00	0.086	-21.31
-4.50	0.089	-21.01	9.25	0.155	-16.19	36.00	0.149	-16.54	63.50	0.079	-22.05
-4.25	0.156	-16.14	9.50	0.191	-14.38	36.50	0.128	-17.86	64.00	0.070	-23.10
-4.00	0.217	-13.27	9.75	0.226	-12.94	37.00	0.098	-20.18	64.50	0.064	-23.88
-3.75	0.264	-11.55	10.00	0.255	-11.87	37.50	0.066	-23.61	65.00	0.066	-23.61
-3.50	0.297	-10.54	10.50	0.289	-10.78	38.00	0.043	-27.33	65.50	0.077	-22.27
-3.25	0.312	-10.12	11.00	0.284	-10.93	38.50	0.045	-26.94	66.00	0.095	-20.45
-3.00	0.308	-10.23	11.50	0.246	-12.18	39.00	0.058	-24.73	66.50	0.117	-18.64
-2.75	0.287	-10.84	12.00	0.186	-14.61	39.50	0.068	-23.35	67.00	0.140	-17.08
-2.50	0.255	-11.87	12.50	0.120	-18.42	40.00	0.068	-23.35	67.50	0.163	-15.76
-2.25	0.227	-12.88	13.00	0.063	-24.01	40.50	0.059	-24.58	68.00	0.183	-14.75
-2.00	0.226	-12.92	13.50	0.024	-32.40	41.00	0.042	-27.54	68.50	0.201	-13.94
-1.75	0.274	-11.24	14.00	0.007	-43.10	41.50	0.021	-33.56	69.00	0.216	-13.31
-1.50	0.359	-8.90	14.50	0.001	-60.00	42.00	0.004	-47.96	69.50	0.228	-12.84
-1.25	0.467	-6.62	15.00	0.013	-37.72	42.50	0.021	-33.56	70.00	0.236	-12.54
-1.00	0.580	-4.73	15.50	0.025	-32.04	43.00	0.035	-29.12	70.50	0.240	-12.40
-0.75	0.692	-3.19	16.00	0.029	-30.75	43.50	0.042	-27.54	71.00	0.241	-12.36
-0.50	0.794	-2.00	16.50	0.021	-33.56	44.00	0.042	-27.54	71.50	0.239	-12.43
-0.25	0.880	-1.11	17.00	0.003	-50.46	44.50	0.037	-28.64	72.00	0.234	-12.62
0.00	0.945	-0.49	17.50	0.027	-31.37	45.00	0.029	-30.75	72.50	0.227	-12.88
0.25	0.985	-0.13	18.00	0.053	-25.51	45.50	0.021	-33.56	73.00	0.217	-13.27
0.50	1.000	0.00	18.50	0.069	-23.22	46.00	0.018	-34.89	73.50	0.206	-13.72
0.75	0.986	-0.12	19.00	0.071	-22.97	46.50	0.021	-33.56	74.00	0.193	-14.29
1.00	0.946	-0.48	19.50	0.059	-24.58	47.00	0.023	-32.77	74.50	0.180	-14.89
1.25	0.881	-1.10	20.00	0.057	-24.88	47.50	0.021	-33.56	75.00	0.166	-15.60
1.50	0.796	-1.98	20.50	0.090	-20.92	48.00	0.014	-37.08	75.50	0.152	-16.36
1.75	0.692	-3.19	21.00	0.141	-17.02	48.50	0.002	-53.98	76.00	0.138	-17.20
2.00	0.579	-4.75	21.50	0.190	-14.42	49.00	0.012	-38.42	76.50	0.124	-18.13
2.25	0.462	-6.71	22.00	0.224	-13.00	49.50	0.027	-31.37	77.00	0.110	-19.17
2.50	0.350	-9.12	22.50	0.237	-12.51	50.00	0.041	-27.74	77.50	0.098	-20.18
2.75	0.258	-11.78	23.00	0.227	-12.88	50.50	0.053	-25.51	78.00	0.086	-21.31
3.00	0.203	-13.85	23.50	0.196	-14.15	51.00	0.059	-24.58	78.50	0.075	-22.50
3.25	0.204	-13.83	24.00	0.150	-16.48	51.50	0.061	-24.29	79.00	0.065	-23.74
3.50	0.236	-12.54	24.50	0.100	-20.00	52.00	0.057	-24.88	79.50	0.056	-25.04
3.75	0.275	-11.21	25.00	0.056	-25.04	52.50	0.049	-26.20	80.00	0.048	-26.38
4.00	0.304	-10.34	25.50	0.036	-28.87	53.00	0.039	-28.18	80.50	0.041	-27.74
4.25	0.314	-10.05	26.00	0.042	-27.54	53.50	0.031	-30.17	81.00	0.036	-28.87
4.50	0.308	-10.23	26.50	0.047	-26.56	54.00	0.033	-29.63	81.50	0.031	-30.17
4.75	0.282	-10.98	27.00	0.043	-27.33	54.50	0.043	-27.33	82.00	0.027	-31.37
5.00	0.242	-12.32	27.50	0.031	-30.17	55.00	0.056	-25.04	82.50	0.024	-32.40
5.25	0.189	-14.45	28.00	0.017	-35.39	55.50	0.065	-23.74	83.00	0.021	-33.56
5.50	0.129	-17.79	28.50	0.004	-47.96	56.00	0.071	-22.97	83.50	0.019	-34.42
5.75	0.065	-23.74	29.00	0.003	-50.46	56.50	0.071	-22.97	84.00	0.017	-35.39
6.00	0.016	-35.92	29.50	0.004	-47.96	57.00	0.065	-23.74	84.50	0.016	-35.92
6.25	0.065	-23.74	30.00	0.001	-60.00	57.50	0.054	-25.35	85.00	0.015	-36.48
6.50	0.118	-18.56	30.50	0.007	-43.10	58.00	0.039	-28.18	85.50	0.013	-37.72
6.75	0.160	-15.92	31.00	0.012	-38.42	58.50	0.020	-33.98	86.00	0.012	-38.42
7.00	0.190	-14.42	31.50	0.014	-37.08	59.00	0.005	-46.02	86.50	0.011	-39.17
7.25	0.206	-13.72	32.00	0.017	-35.39	59.50	0.024	-32.40	87.00	0.009	-40.92
7.50	0.209	-13.60	32.50	0.031	-30.17	60.00	0.044	-27.13	87.50	0.008	-41.94
7.75	0.199	-14.02	33.00	0.055	-25.19	60.50	0.062	-24.15	88.00	0.007	-43.10
8.00	0.179	-14.94	33.50	0.085	-21.41	61.00	0.076	-22.38	88.50	0.005	-46.02
8.25	0.153	-16.33	34.00	0.115	-18.79	61.50	0.086	-21.31	89.00	0.003	-50.46
8.50	0.127	-17.92	34.50	0.140	-17.08	62.00	0.091	-20.82	89.50	0.002	-53.98