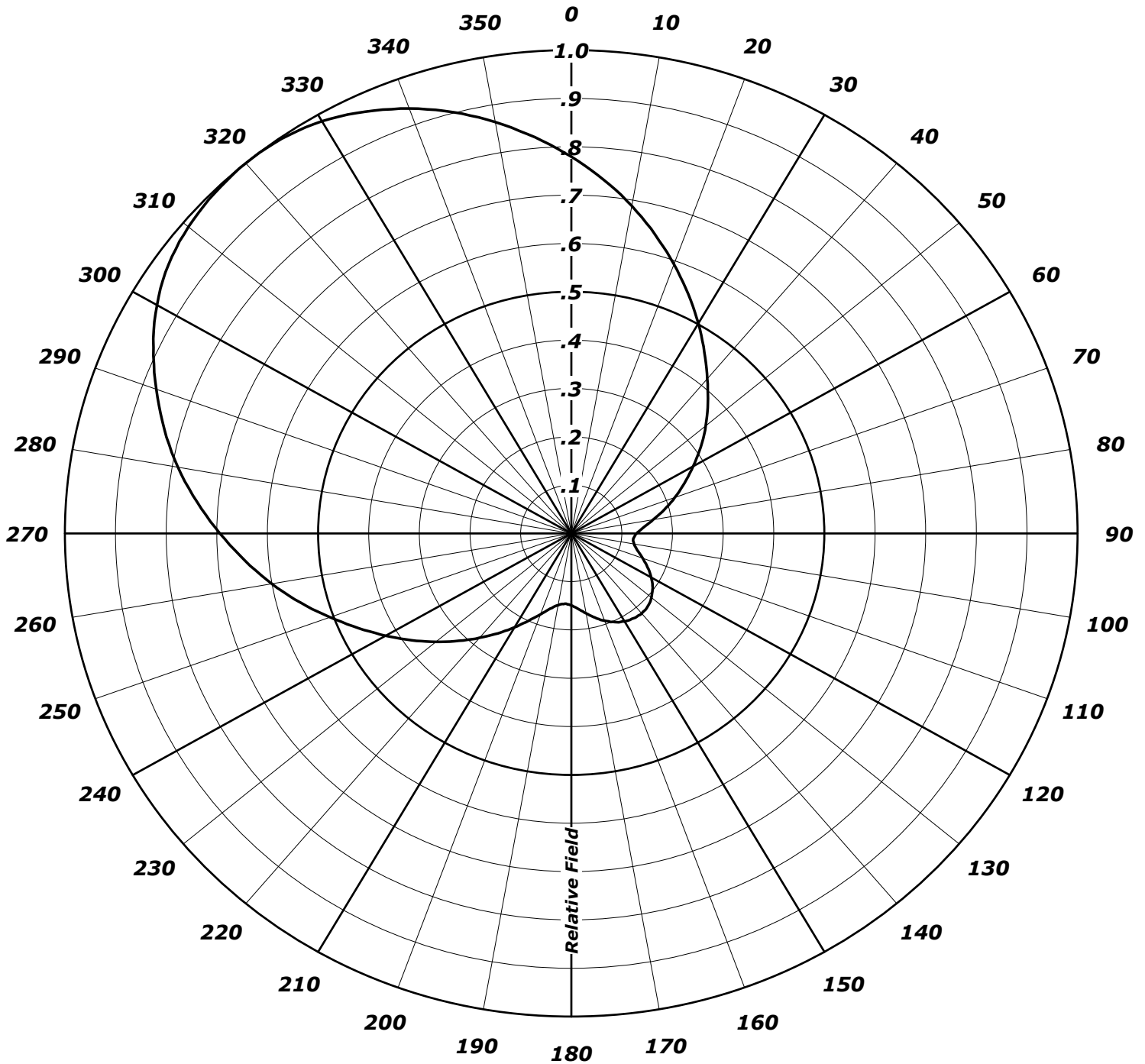


ANDREW
AZIMUTH PATTERN

Type: CH17AZ-H-MODEL-CX

	Numeric	dBd
Directivity:	<u>3.31</u>	<u>(5.20)</u>
Peak(s) At:	<u></u>	
Polarization:	<u>Horizontal</u>	
Channel:	<u>17</u>	
Location:	<u>Gary, IN</u>	





TABULATED DATA FOR AZIMUTH PATTERN
TYPE : CH17AZ-H-MODEL-CX

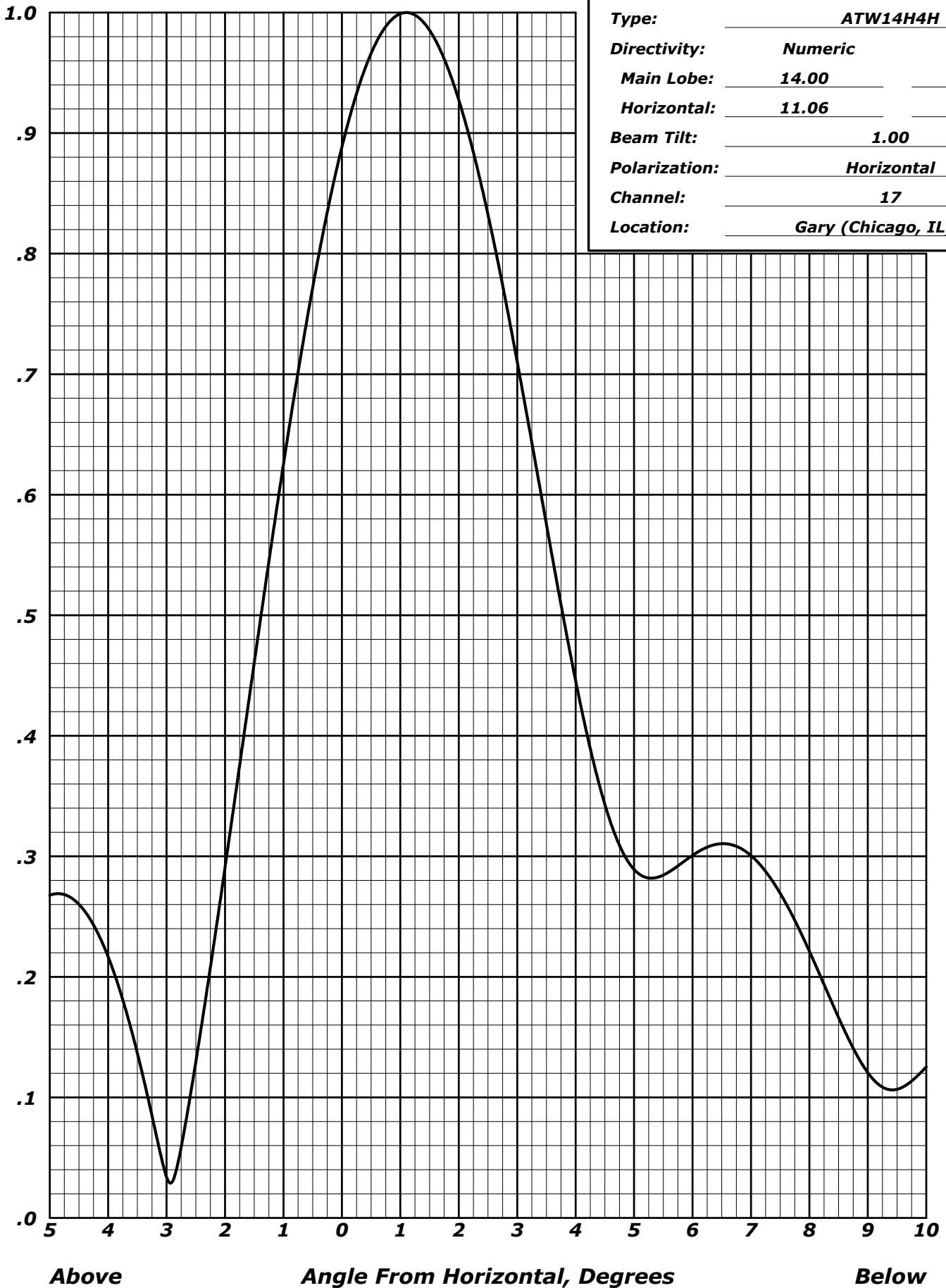
Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
0	0.780	-2.16	110	0.150	-16.48	220	0.282	-11.00	330	0.985	-0.13
2	0.762	-2.37	112	0.156	-16.14	222	0.295	-10.61	332	0.977	-0.20
4	0.743	-2.57	114	0.163	-15.76	224	0.308	-10.23	334	0.968	-0.28
6	0.725	-2.79	116	0.170	-15.39	226	0.321	-9.87	336	0.958	-0.37
8	0.707	-3.01	118	0.176	-15.09	228	0.335	-9.50	338	0.947	-0.48
10	0.688	-3.25	120	0.182	-14.79	230	0.349	-9.14	340	0.936	-0.58
12	0.669	-3.49	122	0.188	-14.51	232	0.363	-8.80	342	0.923	-0.70
14	0.650	-3.74	124	0.193	-14.28	234	0.378	-8.44	344	0.909	-0.82
16	0.630	-4.02	126	0.198	-14.06	236	0.392	-8.13	346	0.895	-0.96
18	0.612	-4.27	128	0.202	-13.88	238	0.407	-7.80	348	0.880	-1.11
20	0.593	-4.55	130	0.206	-13.71	240	0.424	-7.46	350	0.864	-1.27
22	0.573	-4.83	132	0.210	-13.54	242	0.439	-7.16	352	0.848	-1.43
24	0.555	-5.11	134	0.212	-13.46	244	0.456	-6.83	354	0.831	-1.61
26	0.537	-5.40	136	0.214	-13.38	246	0.472	-6.52	356	0.814	-1.79
28	0.519	-5.69	138	0.215	-13.34	248	0.489	-6.22	358	0.797	-1.97
30	0.502	-5.99	140	0.216	-13.30	250	0.507	-5.90	360	0.780	-2.16
32	0.484	-6.30	142	0.215	-13.34	252	0.525	-5.59			
34	0.467	-6.62	144	0.215	-13.34	254	0.544	-5.28			
36	0.450	-6.94	146	0.213	-13.42	256	0.563	-4.98			
38	0.434	-7.26	148	0.212	-13.46	258	0.581	-4.71			
40	0.418	-7.59	150	0.210	-13.54	260	0.601	-4.43			
42	0.402	-7.91	152	0.207	-13.67	262	0.619	-4.17			
44	0.388	-8.22	154	0.204	-13.80	264	0.638	-3.91			
46	0.374	-8.54	156	0.200	-13.97	266	0.656	-3.66			
48	0.360	-8.87	158	0.196	-14.15	268	0.675	-3.41			
50	0.346	-9.22	160	0.192	-14.33	270	0.694	-3.17			
52	0.333	-9.55	162	0.188	-14.51	272	0.713	-2.93			
54	0.319	-9.93	164	0.183	-14.75	274	0.732	-2.71			
56	0.305	-10.32	166	0.178	-14.99	276	0.752	-2.48			
58	0.291	-10.73	168	0.173	-15.24	278	0.771	-2.26			
60	0.278	-11.13	170	0.168	-15.49	280	0.789	-2.06			
62	0.265	-11.55	172	0.163	-15.76	282	0.807	-1.86			
64	0.253	-11.95	174	0.159	-15.97	284	0.824	-1.68			
66	0.240	-12.38	176	0.155	-16.20	286	0.840	-1.51			
68	0.229	-12.79	178	0.152	-16.37	288	0.856	-1.35			
70	0.217	-13.26	180	0.149	-16.54	290	0.872	-1.19			
72	0.206	-13.71	182	0.147	-16.66	292	0.888	-1.03			
74	0.195	-14.19	184	0.146	-16.72	294	0.903	-0.88			
76	0.185	-14.65	186	0.147	-16.66	296	0.919	-0.74			
78	0.174	-15.19	188	0.148	-16.60	298	0.933	-0.61			
80	0.164	-15.70	190	0.151	-16.43	300	0.945	-0.49			
82	0.155	-16.20	192	0.154	-16.25	302	0.957	-0.38			
84	0.147	-16.66	194	0.159	-15.97	304	0.967	-0.29			
86	0.140	-17.09	196	0.164	-15.70	306	0.975	-0.22			
88	0.134	-17.47	198	0.171	-15.34	308	0.982	-0.16			
90	0.129	-17.80	200	0.178	-14.99	310	0.987	-0.11			
92	0.126	-18.01	202	0.186	-14.60	312	0.991	-0.08			
94	0.124	-18.15	204	0.194	-14.24	314	0.995	-0.04			
96	0.123	-18.22	206	0.204	-13.80	316	0.997	-0.03			
98	0.124	-18.15	208	0.213	-13.42	318	0.999	-0.01			
100	0.126	-18.01	210	0.224	-12.98	320	1.000	0.00			
102	0.129	-17.80	212	0.235	-12.56	322	1.000	0.00			
104	0.133	-17.54	214	0.246	-12.16	324	0.998	-0.02			
106	0.138	-17.21	216	0.258	-11.78	326	0.995	-0.04			
108	0.144	-16.84	218	0.270	-11.39	328	0.991	-0.08			



ANDREW ELEVATION PATTERN

Type:	ATW14H4H	
Directivity:	Numeric	dBd
Main Lobe:	14.00	(11.46)
Horizontal:	11.06	(10.44)
Beam Tilt:	1.00	
Polarization:	Horizontal	
Channel:	17	
Location:	Gary (Chicago, IL), IN	

Relative Field





TABULATED DATA FOR ELEVATION PATTERN
TYPE : ATW14H4H

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	0.268	-11.45	8.75	0.141	-17.03	35.00	0.063	-23.99	62.50	0.034	-29.27
-4.75	0.268	-11.43	9.00	0.120	-18.38	35.50	0.053	-25.47	63.00	0.023	-32.86
-4.50	0.260	-11.69	9.25	0.109	-19.29	36.00	0.040	-27.97	63.50	0.011	-39.46
-4.25	0.243	-12.29	9.50	0.107	-19.44	36.50	0.026	-31.61	64.00	0.003	-50.67
-4.00	0.217	-13.29	9.75	0.114	-18.89	37.00	0.021	-33.73	64.50	0.014	-36.83
-3.75	0.181	-14.85	10.00	0.125	-18.04	37.50	0.030	-30.60	65.00	0.026	-31.65
-3.50	0.137	-17.29	10.50	0.150	-16.47	38.00	0.043	-27.29	65.50	0.037	-28.57
-3.25	0.085	-21.44	11.00	0.164	-15.68	38.50	0.055	-25.14	66.00	0.047	-26.47
-3.00	0.034	-29.40	11.50	0.163	-15.76	39.00	0.064	-23.90	66.50	0.057	-24.95
-2.75	0.059	-24.62	12.00	0.146	-16.72	39.50	0.068	-23.40	67.00	0.064	-23.81
-2.50	0.130	-17.75	12.50	0.117	-18.61	40.00	0.066	-23.56	67.50	0.071	-22.97
-2.25	0.208	-13.63	13.00	0.085	-21.41	40.50	0.060	-24.39	68.00	0.076	-22.36
-2.00	0.291	-10.73	13.50	0.064	-23.88	41.00	0.050	-25.99	68.50	0.080	-21.93
-1.75	0.376	-8.51	14.00	0.070	-23.08	41.50	0.037	-28.60	69.00	0.082	-21.67
-1.50	0.461	-6.73	14.50	0.092	-20.76	42.00	0.024	-32.56	69.50	0.084	-21.56
-1.25	0.545	-5.28	15.00	0.111	-19.12	42.50	0.017	-35.60	70.00	0.083	-21.57
-1.00	0.625	-4.08	15.50	0.120	-18.45	43.00	0.025	-32.20	70.50	0.082	-21.70
-0.75	0.702	-3.08	16.00	0.116	-18.68	43.50	0.038	-28.47	71.00	0.080	-21.95
-0.50	0.772	-2.25	16.50	0.102	-19.81	44.00	0.050	-26.03	71.50	0.077	-22.31
-0.25	0.835	-1.57	17.00	0.080	-21.91	44.50	0.059	-24.55	72.00	0.073	-22.78
0.00	0.889	-1.03	17.50	0.057	-24.81	45.00	0.065	-23.78	72.50	0.068	-23.36
0.25	0.933	-0.61	18.00	0.047	-26.55	45.50	0.066	-23.61	73.00	0.063	-24.04
0.50	0.966	-0.30	18.50	0.058	-24.79	46.00	0.063	-24.00	73.50	0.057	-24.84
0.75	0.988	-0.10	19.00	0.076	-22.39	46.50	0.056	-25.00	74.00	0.052	-25.75
1.00	0.999	-0.01	19.50	0.090	-20.87	47.00	0.046	-26.75	74.50	0.046	-26.79
1.25	0.998	-0.02	20.00	0.097	-20.29	47.50	0.033	-29.55	75.00	0.040	-27.95
1.50	0.985	-0.13	20.50	0.093	-20.59	48.00	0.020	-34.12	75.50	0.035	-29.23
1.75	0.962	-0.34	21.00	0.081	-21.78	48.50	0.011	-39.41	76.00	0.029	-30.62
2.00	0.928	-0.65	21.50	0.063	-23.96	49.00	0.019	-34.59	76.50	0.025	-32.06
2.25	0.884	-1.07	22.00	0.044	-27.04	49.50	0.032	-29.91	77.00	0.021	-33.44
2.50	0.832	-1.59	22.50	0.036	-28.96	50.00	0.044	-27.04	77.50	0.019	-34.55
2.75	0.774	-2.23	23.00	0.045	-26.96	50.50	0.055	-25.24	78.00	0.017	-35.16
3.00	0.710	-2.97	23.50	0.061	-24.34	51.00	0.062	-24.15	78.50	0.017	-35.17
3.25	0.643	-3.83	24.00	0.073	-22.68	51.50	0.066	-23.60	79.00	0.018	-34.74
3.50	0.575	-4.80	24.50	0.080	-21.99	52.00	0.067	-23.52	79.50	0.020	-34.09
3.75	0.509	-5.87	25.00	0.078	-22.18	52.50	0.064	-23.90	80.00	0.021	-33.41
4.00	0.446	-7.02	25.50	0.069	-23.26	53.00	0.058	-24.76	80.50	0.023	-32.81
4.25	0.389	-8.19	26.00	0.054	-25.37	53.50	0.049	-26.20	81.00	0.024	-32.31
4.50	0.343	-9.29	26.50	0.037	-28.70	54.00	0.038	-28.43	81.50	0.025	-31.94
4.75	0.309	-10.20	27.00	0.026	-31.83	54.50	0.025	-32.00	82.00	0.026	-31.69
5.00	0.289	-10.78	27.50	0.032	-29.92	55.00	0.012	-38.57	82.50	0.026	-31.56
5.25	0.282	-11.00	28.00	0.047	-26.60	55.50	0.007	-43.16	83.00	0.026	-31.55
5.50	0.284	-10.92	28.50	0.060	-24.44	56.00	0.019	-34.26	83.50	0.026	-31.65
5.75	0.292	-10.69	29.00	0.068	-23.35	56.50	0.033	-29.73	84.00	0.026	-31.87
6.00	0.301	-10.43	29.50	0.070	-23.16	57.00	0.045	-26.98	84.50	0.025	-32.20
6.25	0.308	-10.24	30.00	0.064	-23.82	57.50	0.055	-25.15	85.00	0.023	-32.66
6.50	0.310	-10.16	30.50	0.054	-25.42	58.00	0.064	-23.93	85.50	0.022	-33.25
6.75	0.308	-10.22	31.00	0.039	-28.19	58.50	0.070	-23.14	86.00	0.020	-33.99
7.00	0.301	-10.44	31.50	0.025	-32.06	59.00	0.073	-22.71	86.50	0.018	-34.91
7.25	0.287	-10.83	32.00	0.023	-32.88	59.50	0.074	-22.60	87.00	0.016	-36.05
7.50	0.269	-11.39	32.50	0.035	-29.15	60.00	0.073	-22.78	87.50	0.013	-37.46
7.75	0.247	-12.15	33.00	0.049	-26.14	60.50	0.069	-23.26	88.00	0.011	-39.26
8.00	0.221	-13.10	33.50	0.061	-24.33	61.00	0.063	-24.06	88.50	0.008	-41.66
8.25	0.194	-14.26	34.00	0.067	-23.44	61.50	0.055	-25.24	89.00	0.006	-45.11
8.50	0.166	-15.59	34.50	0.068	-23.34	62.00	0.045	-26.91	89.50	0.003	-51.08