



Date **30 Jan 2002**
Call Letters **KCDT-DT** Channel
Location **Coeur D'Alene, ID**
Customer
Antenna Type **881-8**

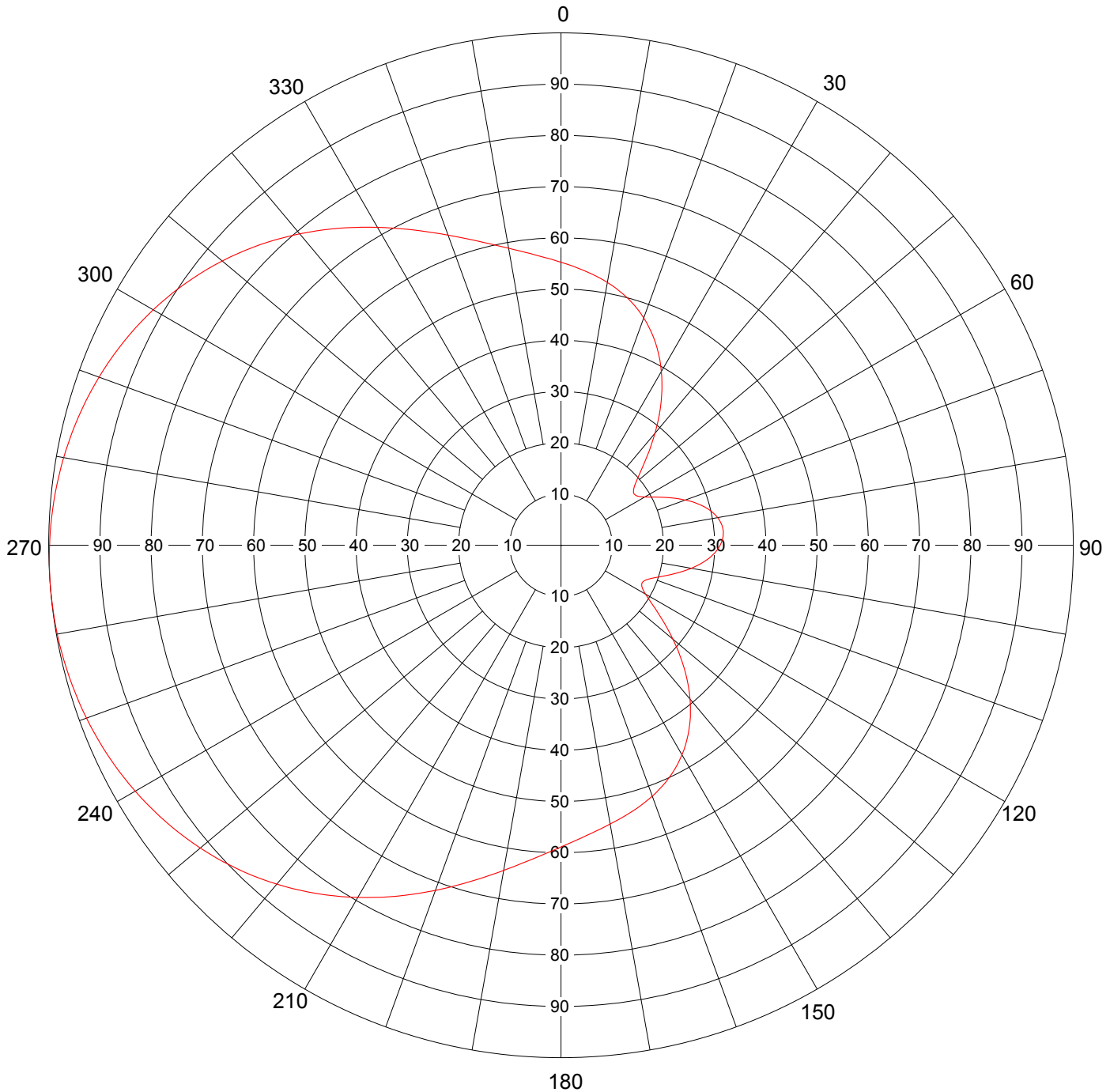
AZIMUTH PATTERN

RMS Gain at Main Lobe
Calculated / Measured

2.40 (3.80 dB)
Calculated

Frequency
Drawing #

MHz
881-45



Remarks:



Date **30 Jan 2002**
 Call Letters **KCDT-DT** Channel
 Location **Coeur D'Alene, ID**
 Customer
 Antenna Type **881-8**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # **881-45**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.552	45	0.232	90	0.311	135	0.340	180	0.589	225	0.893	270	0.998	315	0.830
1	0.549	46	0.222	91	0.308	136	0.351	181	0.593	226	0.899	271	0.998	316	0.823
2	0.546	47	0.213	92	0.304	137	0.362	182	0.598	227	0.904	272	0.997	317	0.816
3	0.544	48	0.205	93	0.300	138	0.372	183	0.603	228	0.909	273	0.996	318	0.808
4	0.540	49	0.197	94	0.295	139	0.382	184	0.608	229	0.914	274	0.995	319	0.801
5	0.538	50	0.191	95	0.290	140	0.392	185	0.614	230	0.919	275	0.994	320	0.794
6	0.534	51	0.185	96	0.284	141	0.401	186	0.620	231	0.924	276	0.992	321	0.786
7	0.531	52	0.180	97	0.278	142	0.410	187	0.625	232	0.928	277	0.991	322	0.778
8	0.528	53	0.177	98	0.272	143	0.419	188	0.631	233	0.933	278	0.989	323	0.771
9	0.524	54	0.175	99	0.265	144	0.428	189	0.638	234	0.937	279	0.988	324	0.763
10	0.521	55	0.174	100	0.258	145	0.436	190	0.644	235	0.941	280	0.986	325	0.755
11	0.517	56	0.175	101	0.251	146	0.444	191	0.651	236	0.945	281	0.984	326	0.748
12	0.513	57	0.177	102	0.244	147	0.452	192	0.658	237	0.949	282	0.982	327	0.740
13	0.509	58	0.180	103	0.236	148	0.459	193	0.665	238	0.953	283	0.979	328	0.732
14	0.505	59	0.184	104	0.229	149	0.466	194	0.672	239	0.956	284	0.977	329	0.724
15	0.500	60	0.188	105	0.221	150	0.472	195	0.679	240	0.960	285	0.974	330	0.717
16	0.495	61	0.194	106	0.214	151	0.478	196	0.686	241	0.963	286	0.972	331	0.709
17	0.490	62	0.200	107	0.207	152	0.484	197	0.694	242	0.966	287	0.969	332	0.701
18	0.484	63	0.207	108	0.200	153	0.490	198	0.701	243	0.969	288	0.966	333	0.694
19	0.478	64	0.214	109	0.194	154	0.495	199	0.709	244	0.972	289	0.963	334	0.686
20	0.472	65	0.221	110	0.188	155	0.500	200	0.717	245	0.974	290	0.960	335	0.679
21	0.466	66	0.229	111	0.184	156	0.505	201	0.724	246	0.977	291	0.956	336	0.672
22	0.459	67	0.236	112	0.180	157	0.509	202	0.732	247	0.979	292	0.953	337	0.665
23	0.452	68	0.244	113	0.177	158	0.513	203	0.740	248	0.982	293	0.949	338	0.658
24	0.444	69	0.251	114	0.175	159	0.517	204	0.748	249	0.984	294	0.945	339	0.651
25	0.436	70	0.258	115	0.174	160	0.521	205	0.755	250	0.986	295	0.941	340	0.644
26	0.428	71	0.265	116	0.175	161	0.524	206	0.763	251	0.988	296	0.937	341	0.638
27	0.419	72	0.272	117	0.177	162	0.528	207	0.771	252	0.989	297	0.933	342	0.631
28	0.410	73	0.278	118	0.180	163	0.531	208	0.778	253	0.991	298	0.928	343	0.625
29	0.401	74	0.284	119	0.185	164	0.534	209	0.786	254	0.992	299	0.924	344	0.620
30	0.392	75	0.290	120	0.191	165	0.538	210	0.794	255	0.994	300	0.919	345	0.614
31	0.382	76	0.295	121	0.197	166	0.540	211	0.801	256	0.995	301	0.914	346	0.608
32	0.372	77	0.300	122	0.205	167	0.544	212	0.808	257	0.996	302	0.909	347	0.603
33	0.362	78	0.304	123	0.213	168	0.546	213	0.816	258	0.997	303	0.904	348	0.598
34	0.351	79	0.308	124	0.222	169	0.549	214	0.823	259	0.998	304	0.899	349	0.593
35	0.340	80	0.311	125	0.232	170	0.552	215	0.830	260	0.998	305	0.893	350	0.589
36	0.330	81	0.313	126	0.242	171	0.556	216	0.837	261	0.999	306	0.887	351	0.584
37	0.319	82	0.315	127	0.252	172	0.559	217	0.844	262	0.999	307	0.882	352	0.580
38	0.308	83	0.317	128	0.263	173	0.562	218	0.850	263	1.000	308	0.876	353	0.576
39	0.296	84	0.318	129	0.274	174	0.565	219	0.857	264	1.000	309	0.870	354	0.572
40	0.285	85	0.318	130	0.285	175	0.569	220	0.863	265	1.000	310	0.863	355	0.569
41	0.274	86	0.318	131	0.296	176	0.572	221	0.870	266	1.000	311	0.857	356	0.565
42	0.263	87	0.317	132	0.308	177	0.576	222	0.876	267	1.000	312	0.850	357	0.562
43	0.252	88	0.315	133	0.319	178	0.580	223	0.882	268	0.999	313	0.844	358	0.559
44	0.242	89	0.313	134	0.330	179	0.584	224	0.887	269	0.999	314	0.837	359	0.556

Remarks:



Proposal Number

Date

24 Oct 2001

Call Letters

Location

Customer

Antenna Type

881-8

Revision

Channel

45**ELEVATION PATTERN**

RMS Gain at Main Lobe

7.7 (8.86 dB)

Beam Tilt

0.75 Degrees

RMS Gain at Horizontal

7.5 (8.75 dB)

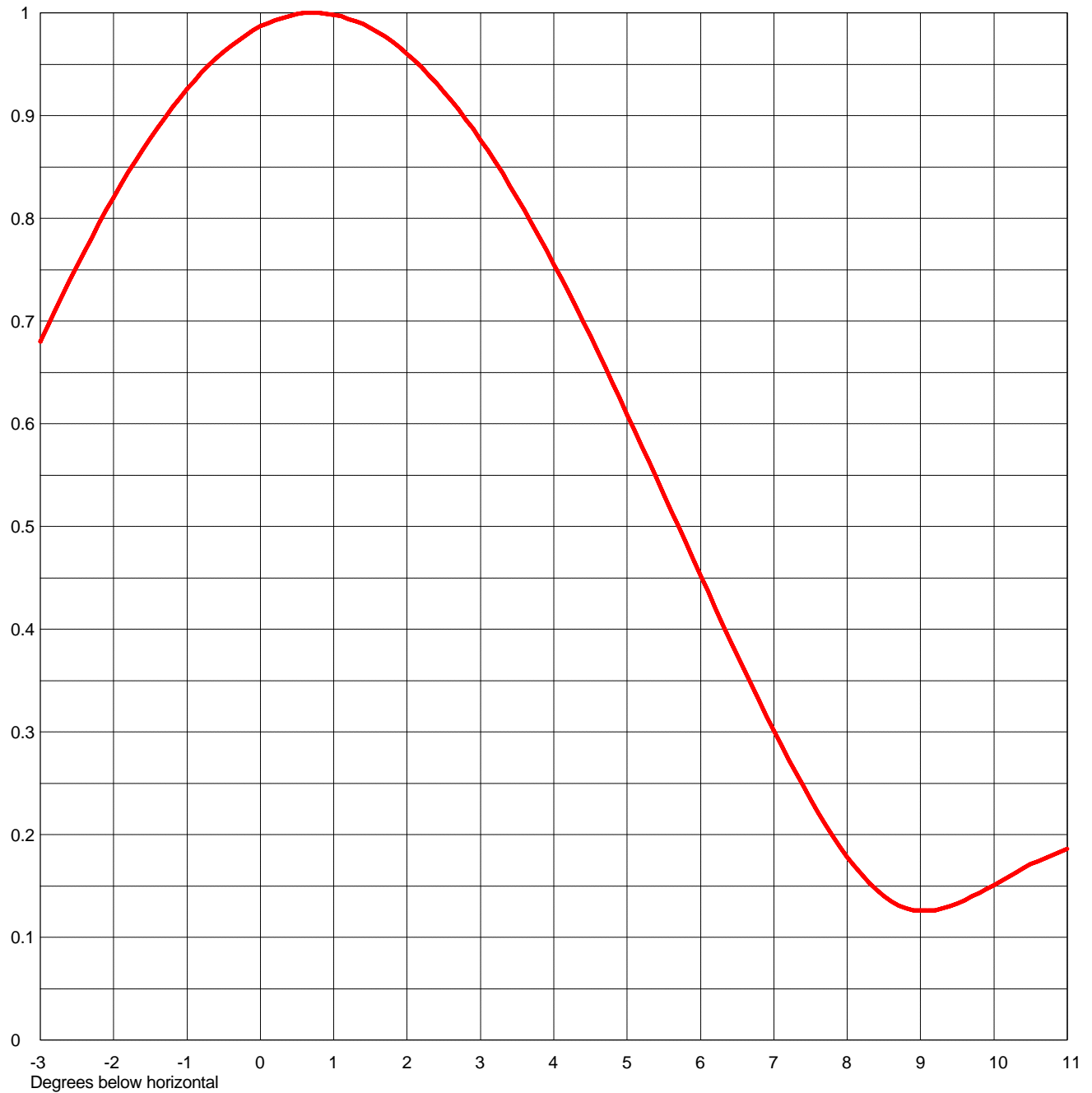
Frequency

659.00 MHz

Calculated / Measured

Calculated

Drawing #

08A077075

Remarks:



Proposal Number
Date **24 Oct 2001**
Call Letters
Location
Customer
Antenna Type **881-8**

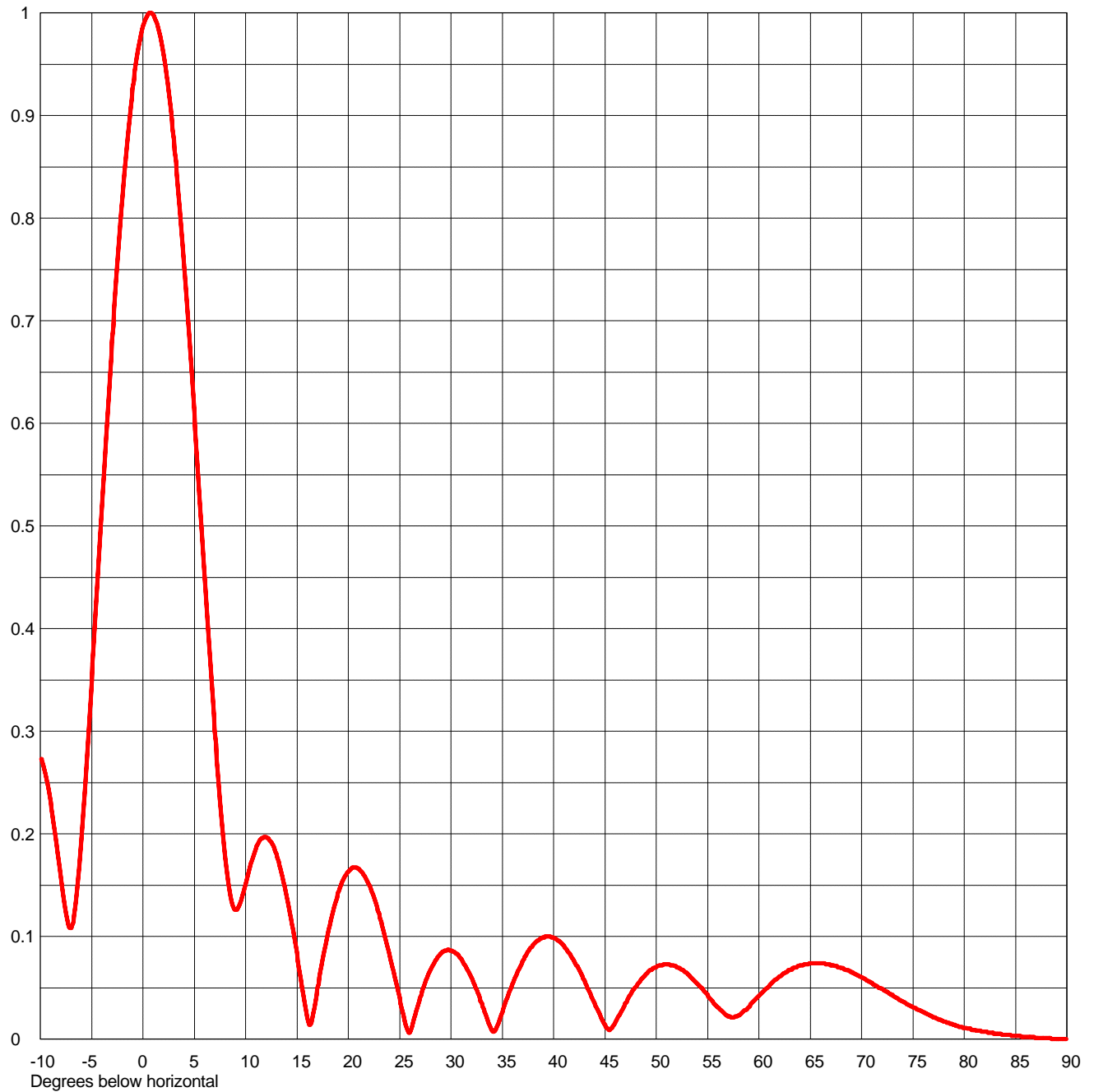
Revision
Channel **45**

ELEVATION PATTERN

RMS Gain at Main Lobe
RMS Gain at Horizontal
Calculated / Measured

7.7 (8.86 dB)
7.5 (8.75 dB)
Calculated

Beam Tilt **0.75 Degrees**
Frequency **659.00 MHz**
Drawing # **08A077075**



Remarks:



Proposal Number

Date **24 Oct 2001**

Call Letters

Location

Customer

Antenna Type **881-8**

Revision

Channel **45**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **08A077075**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.276	2.4	0.932	10.6	0.174	30.5	0.083	51.0	0.073	71.5	0.052
-9.5	0.258	2.6	0.915	10.8	0.180	31.0	0.078	51.5	0.072	72.0	0.049
-9.0	0.231	2.8	0.896	11.0	0.186	31.5	0.070	52.0	0.070	72.5	0.046
-8.5	0.197	3.0	0.876	11.5	0.195	32.0	0.060	52.5	0.068	73.0	0.043
-8.0	0.158	3.2	0.855	12.0	0.197	32.5	0.048	53.0	0.064	73.5	0.040
-7.5	0.122	3.4	0.832	12.5	0.192	33.0	0.035	53.5	0.059	74.0	0.037
-7.0	0.108	3.6	0.808	13.0	0.180	33.5	0.021	54.0	0.054	74.5	0.034
-6.5	0.136	3.8	0.782	13.5	0.162	34.0	0.008	54.5	0.049	75.0	0.031
-6.0	0.194	4.0	0.755	14.0	0.139	34.5	0.013	55.0	0.043	75.5	0.029
-5.5	0.268	4.2	0.728	14.5	0.112	35.0	0.026	55.5	0.037	76.0	0.026
-5.0	0.349	4.4	0.699	15.0	0.083	35.5	0.040	56.0	0.031	76.5	0.024
-4.5	0.433	4.6	0.670	15.5	0.051	36.0	0.054	56.5	0.026	77.0	0.021
-4.0	0.518	4.8	0.640	16.0	0.021	36.5	0.066	57.0	0.022	77.5	0.019
-3.5	0.601	5.0	0.609	16.5	0.021	37.0	0.076	57.5	0.021	78.0	0.017
-3.0	0.680	5.2	0.578	17.0	0.049	37.5	0.085	58.0	0.023	78.5	0.016
-2.8	0.710	5.4	0.547	17.5	0.077	38.0	0.092	58.5	0.027	79.0	0.014
-2.6	0.740	5.6	0.515	18.0	0.102	38.5	0.096	59.0	0.031	79.5	0.012
-2.4	0.768	5.8	0.484	18.5	0.124	39.0	0.099	59.5	0.037	80.0	0.011
-2.2	0.795	6.0	0.452	19.0	0.142	39.5	0.100	60.0	0.042	80.5	0.010
-2.0	0.820	6.2	0.421	19.5	0.155	40.0	0.099	60.5	0.047	81.0	0.009
-1.8	0.845	6.4	0.390	20.0	0.163	40.5	0.096	61.0	0.052	81.5	0.008
-1.6	0.867	6.6	0.360	20.5	0.167	41.0	0.091	61.5	0.057	82.0	0.007
-1.4	0.888	6.8	0.330	21.0	0.166	41.5	0.084	62.0	0.061	82.5	0.006
-1.2	0.908	7.0	0.301	21.5	0.160	42.0	0.076	62.5	0.064	83.0	0.005
-1.0	0.926	7.2	0.273	22.0	0.151	42.5	0.067	63.0	0.067	83.5	0.005
-0.8	0.942	7.4	0.247	22.5	0.138	43.0	0.057	63.5	0.070	84.0	0.004
-0.6	0.956	7.6	0.222	23.0	0.122	43.5	0.046	64.0	0.072	84.5	0.004
-0.4	0.968	7.8	0.199	23.5	0.103	44.0	0.035	64.5	0.073	85.0	0.003
-0.2	0.978	8.0	0.178	24.0	0.083	44.5	0.024	65.0	0.074	85.5	0.003
0.0	0.987	8.2	0.161	24.5	0.061	45.0	0.014	65.5	0.074	86.0	0.002
0.2	0.993	8.4	0.146	25.0	0.040	45.5	0.009	66.0	0.074	86.5	0.002
0.4	0.997	8.6	0.135	25.5	0.018	46.0	0.016	66.5	0.073	87.0	0.001
0.6	1.000	8.8	0.128	26.0	0.006	46.5	0.025	67.0	0.072	87.5	0.001
0.8	1.000	9.0	0.126	26.5	0.023	47.0	0.035	67.5	0.071	88.0	0.001
1.0	0.998	9.2	0.126	27.0	0.040	47.5	0.043	68.0	0.069	88.5	0.000
1.2	0.994	9.4	0.130	27.5	0.055	48.0	0.051	68.5	0.067	89.0	0.000
1.4	0.989	9.6	0.136	28.0	0.067	48.5	0.058	69.0	0.065	89.5	0.000
1.6	0.981	9.8	0.143	28.5	0.077	49.0	0.063	69.5	0.063	90.0	0.000
1.8	0.972	10.0	0.151	29.0	0.083	49.5	0.067	70.0	0.060		
2.0	0.960	10.2	0.159	29.5	0.086	50.0	0.070	70.5	0.057		
2.2	0.947	10.4	0.167	30.0	0.086	50.5	0.072	71.0	0.055		

Remarks: