



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LSL22MFA-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] s14150095e-02
[TESTLAB] LEADING TESTING LABORATORIES
[TESTDATE] 2017-07-15
[ISSUEDATE] 2017-07-16
[NEARFIELD]
[LAMPPOSITION] 0,0
[LUMCAT] LSL22MFA-40
[LUMINAIRE] 2x2 Recessed Troffer with flat frosted acrylic lens, 4000K Med Power
[MANUFAC] LAMAR LIGHTING CO., INC.
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3047
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	25.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.79 ft
Luminous Width (90-270)	1.79 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3666	3633	3482
55	3081	3004	2653
65	2497	2251	2139
75	2382	2049	2078
85	2585	2416	2256

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0.0	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133
0.5	1211.270	1211.407	1211.281	1211.390	1211.384	1211.418	1211.264	1211.264	1211.275	1211.275
1.0	1211.527	1211.544	1211.287	1211.532	1211.532	1211.561	1211.401	1211.401	1211.412	1211.412
1.5	1211.412	1211.544	1211.424	1211.669	1211.669	1211.567	1211.538	1211.407	1211.549	1211.281
2.0	1211.407	1211.544	1211.424	1211.675	1211.675	1211.567	1211.544	1211.407	1211.161	1211.150
2.5	1211.281	1211.412	1211.292	1211.675	1211.675	1211.692	1211.407	1211.281	1211.013	1210.756
3.0	1211.144	1211.144	1211.155	1211.424	1211.544	1211.441	1211.155	1211.018	1210.750	1210.344
3.5	1210.618	1210.761	1210.624	1211.150	1211.150	1211.035	1210.750	1210.744	1210.339	1209.802
4.0	1209.933	1210.219	1210.236	1210.607	1210.607	1210.396	1210.333	1210.207	1209.824	1209.282
4.5	1209.419	1209.796	1209.567	1209.927	1209.922	1209.842	1209.573	1209.390	1209.008	1208.608
5.0	1208.871	1208.991	1209.145	1209.288	1209.288	1209.168	1208.882	1208.499	1208.191	1207.523
5.5	1207.934	1208.442	1208.471	1208.476	1208.465	1208.214	1207.928	1207.665	1206.974	1206.569
6.0	1207.111	1207.768	1207.791	1207.665	1207.654	1207.528	1206.849	1206.723	1206.060	1205.409
6.5	1206.169	1206.866	1206.711	1206.723	1206.711	1206.454	1206.032	1205.775	1204.992	1204.324
7.0	1205.341	1205.917	1205.815	1205.900	1205.478	1205.301	1204.935	1204.552	1203.770	1203.096
7.5	1204.449	1205.089	1204.735	1204.941	1204.330	1203.947	1203.656	1203.181	1202.267	1201.736
8.0	1203.239	1203.861	1203.633	1203.667	1202.976	1202.570	1202.296	1201.776	1201.028	1200.365
8.5	1201.885	1202.650	1202.279	1202.307	1201.611	1201.216	1200.805	1200.034	1199.383	1198.737
9.0	1200.508	1201.222	1200.902	1200.668	1200.245	1199.977	1199.166	1198.378	1197.732	1197.070
9.5	1199.035	1199.994	1199.560	1199.314	1198.772	1198.355	1197.407	1196.630	1195.990	1195.310
10.0	1197.527	1198.258	1197.932	1197.681	1197.138	1196.727	1195.773	1194.865	1194.219	1193.425
10.5	1196.024	1196.607	1196.133	1196.030	1195.362	1194.676	1193.614	1192.951	1192.180	1191.386
11.0	1194.482	1195.093	1194.476	1194.105	1193.580	1192.609	1191.677	1191.021	1190.124	1189.067
11.5	1192.323	1193.305	1192.431	1192.311	1191.797	1190.684	1189.627	1188.833	1187.690	1186.868
12.0	1190.409	1191.398	1190.661	1190.289	1189.758	1188.650	1187.462	1186.400	1185.131	1184.435
12.5	1188.370	1189.221	1188.736	1188.239	1187.725	1186.611	1185.286	1183.955	1182.538	1181.881
13.0	1186.200	1186.942	1186.714	1185.937	1185.560	1184.195	1182.601	1181.499	1180.105	1179.185
13.5	1184.160	1184.886	1184.286	1183.755	1183.121	1181.744	1180.008	1178.774	1177.403	1176.318
14.0	1181.864	1182.692	1182.196	1181.310	1180.682	1178.883	1177.198	1175.832	1174.530	1173.582
14.5	1179.402	1180.253	1179.619	1178.985	1178.083	1176.135	1174.559	1172.805	1171.383	1170.572
15.0	1176.798	1177.797	1177.026	1176.518	1175.347	1173.536	1171.560	1169.932	1168.550	1167.567
15.5	1174.102	1174.964	1174.210	1173.810	1172.502	1170.554	1168.572	1166.950	1165.288	1164.226
16.0	1171.109	1172.234	1171.474	1170.949	1169.486	1167.487	1165.551	1163.666	1162.158	1160.947
16.5	1168.378	1169.355	1168.618	1168.007	1166.488	1164.226	1162.341	1160.467	1158.873	1157.668
17.0	1165.294	1166.305	1165.734	1164.877	1163.403	1160.816	1159.051	1157.211	1155.446	1154.241
17.5	1161.958	1163.363	1162.512	1161.672	1159.930	1157.468	1155.452	1153.738	1152.048	1150.608
18.0	1158.679	1160.084	1159.348	1158.399	1156.366	1153.995	1151.836	1149.900	1148.095	1146.775
18.5	1155.960	1156.697	1156.097	1155.275	1152.859	1150.597	1148.283	1146.124	1144.045	1143.234
19.0	1152.636	1153.418	1152.824	1151.693	1149.260	1146.793	1144.491	1142.417	1140.469	1139.310
19.5	1149.043	1149.803	1149.226	1148.106	1145.536	1143.331	1140.629	1138.670	1136.597	1135.540
20.0	1145.610	1146.101	1145.662	1144.136	1141.720	1139.350	1136.517	1134.300	1132.404	1131.102
20.5	1141.932	1142.417	1141.726	1140.201	1137.653	1135.266	1132.193	1130.068	1128.309	1126.726
21.0	1137.945	1138.710	1137.859	1135.837	1133.541	1130.867	1127.954	1125.824	1123.927	1122.579
21.5	1133.832	1134.495	1133.883	1131.679	1129.422	1126.606	1123.939	1121.683	1119.558	1118.084
22.0	1129.605	1130.262	1129.811	1127.629	1125.201	1122.265	1119.501	1117.210	1114.954	1113.497
22.5	1125.401	1126.081	1125.464	1123.402	1120.883	1117.947	1114.937	1112.601	1110.241	1108.865
23.0	1120.803	1121.546	1120.843	1118.884	1116.073	1113.446	1110.247	1107.848	1105.546	1104.175
23.5	1116.142	1117.016	1116.176	1114.428	1111.589	1108.916	1105.666	1103.073	1100.777	1099.400
24.0	1111.475	1112.258	1111.618	1109.493	1106.786	1103.730	1100.697	1098.275	1095.642	1094.168
24.5	1106.654	1107.437	1106.352	1104.524	1101.822	1098.835	1095.624	1093.048	1090.535	1089.387
25.0	1101.633	1102.787	1101.679	1099.743	1096.801	1093.774	1090.444	1088.130	1085.326	1084.320
25.5	1096.898	1097.778	1096.647	1094.591	1091.518	1088.850	1085.526	1082.601	1080.036	1079.037
26.0	1091.615	1092.597	1091.363	1089.347	1086.245	1083.601	1079.802	1077.072	1074.719	1073.313
26.5	1086.165	1087.039	1086.011	1083.875	1080.636	1077.694	1074.267	1071.743	1069.069	1067.653

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CANDELA TABULATION - (Cont.)

27.0	1080.545	1081.579	1080.768	1078.283	1075.175	1072.257	1068.772	1066.099	1063.597	1061.924
27.5	1074.953	1075.987	1075.198	1072.554	1069.452	1066.630	1063.049	1060.267	1057.982	1055.937
28.0	1068.955	1070.229	1069.184	1066.659	1063.586	1060.718	1056.777	1054.401	1051.596	1049.928
28.5	1062.746	1064.294	1063.209	1060.958	1057.782	1054.521	1050.894	1048.192	1045.256	1043.794
29.0	1056.606	1058.022	1057.371	1054.595	1051.613	1048.283	1044.799	1041.897	1039.110	1037.716
29.5	1050.043	1051.659	1050.939	1048.278	1045.085	1042.103	1038.687	1035.266	1032.701	1031.079
30.0	1043.457	1045.056	1044.119	1042.097	1038.630	1035.489	1032.353	1029.000	1026.184	1024.424
30.5	1036.699	1037.905	1037.562	1035.351	1032.450	1028.931	1025.601	1022.288	1019.306	1017.701
31.0	1029.794	1031.376	1030.845	1028.834	1025.767	1022.379	1018.855	1015.257	1012.446	1010.756
31.5	1022.894	1024.144	1024.025	1021.688	1018.752	1015.628	1011.835	1008.128	1005.449	1003.758
32.0	1015.754	1017.170	1016.536	1014.663	1011.864	1008.442	1004.478	1001.199	998.543	996.356
32.5	1008.442	1009.693	1009.436	1007.437	1004.347	1001.342	997.407	993.939	991.335	989.353
33.0	1000.645	1002.319	1001.976	999.988	997.064	993.757	990.272	986.708	983.761	982.224
33.5	992.786	994.870	994.042	992.569	989.901	986.337	982.561	978.780	976.215	974.307
34.0	985.177	986.937	986.080	984.640	982.121	978.397	974.616	971.303	968.413	966.396
34.5	977.009	978.940	978.386	977.192	974.382	970.966	967.167	963.357	960.170	958.605
35.0	969.132	970.760	970.337	968.732	966.608	962.832	959.011	955.052	951.979	950.083
35.5	960.861	962.483	961.941	960.621	958.388	954.772	950.602	946.598	943.577	941.657
36.0	952.230	954.121	953.613	952.396	949.717	946.296	942.052	938.316	935.083	932.987
36.5	943.662	945.576	945.028	943.577	941.206	937.665	933.724	929.114	926.309	924.253
37.0	934.815	936.585	936.168	934.963	932.507	928.977	924.390	920.226	917.147	915.388
37.5	925.635	927.709	927.252	926.018	923.522	919.803	915.057	911.001	907.820	905.980
38.0	916.719	918.507	918.478	917.062	914.560	910.761	906.129	902.136	898.560	896.618
38.5	907.374	909.276	909.071	907.894	905.084	901.571	896.653	892.397	888.719	886.497
39.0	897.698	899.874	899.697	898.618	895.979	892.123	887.051	882.447	878.437	876.261
39.5	887.828	890.409	890.289	888.936	886.388	882.150	876.769	872.274	868.201	866.282
40.0	878.563	880.482	880.459	878.808	876.312	872.160	866.996	862.135	857.674	855.743
40.5	868.538	870.583	870.634	868.909	866.219	862.272	856.674	851.522	846.707	844.376
41.0	858.251	860.701	860.404	859.108	856.275	851.779	845.844	839.904	835.146	832.741
41.5	848.261	850.534	850.363	848.272	845.633	841.058	834.717	829.085	824.264	821.643
42.0	837.842	840.172	840.075	838.025	835.066	830.588	824.424	818.438	812.692	810.007
42.5	827.240	829.451	829.405	827.555	824.573	819.763	813.035	806.374	800.560	797.487
43.0	816.862	819.055	818.627	816.730	813.440	808.785	801.702	794.168	787.970	784.863
43.5	805.381	808.111	807.517	805.426	802.130	796.778	789.713	782.287	776.004	772.639
44.0	794.579	797.132	796.601	794.494	790.804	785.811	778.706	770.086	763.335	759.839
44.5	783.281	785.817	785.423	782.927	779.362	774.502	766.625	757.743	750.043	746.347
45.0	772.274	774.559	774.159	772.091	768.218	762.638	754.350	745.330	736.545	733.506
45.5	760.176	763.049	762.404	760.073	756.389	750.808	742.194	732.061	723.362	719.746
46.0	749.157	751.391	750.860	748.660	744.851	739.133	730.251	719.289	709.996	706.152
46.5	737.225	739.327	738.744	736.642	733.215	727.138	717.336	705.415	695.756	691.506
47.0	725.218	727.366	726.932	724.761	721.043	714.800	704.232	691.746	680.722	676.843
47.5	713.275	715.497	714.845	712.435	709.156	703.022	692.117	678.100	666.665	662.289
48.0	701.405	703.496	702.576	700.742	697.155	691.032	679.305	663.923	652.225	647.432
48.5	689.067	691.420	690.164	688.347	685.446	678.568	665.368	649.797	637.316	632.244
49.0	677.163	678.511	677.809	675.861	673.205	665.682	651.819	635.134	621.746	617.462
49.5	664.117	665.928	665.191	663.369	660.724	653.053	638.088	620.323	606.877	601.908
50.0	651.813	653.504	652.527	651.688	648.775	640.766	624.522	605.403	591.592	586.862
50.5	639.264	641.024	639.898	639.150	636.688	627.138	609.836	590.449	576.895	572.080
51.0	626.983	628.006	627.280	627.046	624.419	614.143	595.562	575.661	562.512	557.680
51.5	613.543	615.651	615.114	615.034	612.269	600.788	581.310	561.153	547.678	543.371
52.0	601.668	602.987	602.502	602.896	599.406	587.479	566.642	546.227	533.581	529.097
52.5	589.267	589.970	590.215	590.484	586.977	573.702	551.819	532.318	519.981	515.462
53.0	576.112	577.135	577.358	578.066	573.947	559.685	537.745	518.461	506.534	502.525
53.5	563.386	564.643	565.242	565.905	561.478	545.947	523.830	504.758	493.368	489.301
54.0	551.202	551.499	552.899	553.561	548.997	532.107	509.271	491.055	480.682	476.786
54.5	538.739	539.601	540.881	541.343	535.940	517.930	495.333	478.580	468.470	464.963

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CANDELA TABULATION - (Cont.)

55.0	526.578	527.395	528.674	529.394	522.711	504.004	482.264	466.036	456.703	453.419
55.5	513.977	515.177	516.525	516.982	509.676	490.084	469.429	453.481	444.708	441.338
56.0	501.685	502.182	504.370	504.632	496.247	476.524	455.806	441.195	433.227	430.159
56.5	489.724	490.678	492.420	492.026	483.070	462.678	443.245	429.805	422.105	419.112
57.0	478.037	479.077	480.608	480.048	469.766	449.746	431.325	418.604	411.041	408.785
57.5	466.373	467.442	468.607	467.590	456.783	436.785	419.706	407.157	400.263	396.933
58.0	454.572	455.195	456.732	455.618	443.560	424.293	407.585	394.191	390.272	387.194
58.5	443.234	444.222	445.410	443.348	431.045	412.007	393.940	384.246	380.288	377.466
59.0	432.233	432.775	433.952	431.267	418.021	400.554	383.744	374.399	370.303	367.733
59.5	421.123	421.586	422.100	418.987	405.421	389.358	373.662	364.551	360.319	358.005
60.0	410.270	410.150	410.767	406.706	400.480	378.174	363.580	354.709	350.334	348.626
60.5	400.200	400.605	399.903	397.007	387.474	366.990	353.499	345.462	341.178	339.835
61.0	390.204	390.449	389.370	385.269	374.085	355.806	343.691	336.071	332.501	331.113
61.5	380.208	380.248	378.843	373.433	360.696	344.616	333.775	326.829	323.516	322.579
62.0	370.206	370.052	368.310	361.604	347.312	334.312	324.082	318.056	315.297	314.428
62.5	360.210	359.856	357.783	349.769	336.580	324.265	315.068	309.613	307.054	306.266
63.0	350.214	349.660	347.250	339.167	326.378	315.102	306.232	301.165	299.355	298.418
63.5	340.858	340.190	337.265	328.417	316.291	305.466	297.327	293.026	291.506	290.946
64.0	331.656	330.833	327.697	318.387	306.609	296.333	288.913	285.417	284.201	283.738
64.5	323.014	321.945	317.856	308.716	297.161	287.405	281.059	277.855	276.923	276.489
65.0	314.423	313.223	309.128	299.223	287.885	279.123	273.005	270.275	269.755	269.304
65.5	305.918	304.678	300.114	290.015	279.265	270.715	265.237	263.186	262.849	262.518
66.0	297.704	296.436	291.575	281.139	270.577	262.472	257.640	256.297	256.126	255.920
66.5	289.850	288.268	283.058	272.731	262.381	254.618	250.694	249.494	249.540	249.323
67.0	282.173	280.556	275.216	264.580	254.464	247.210	243.291	242.863	243.086	242.817
67.5	274.542	272.994	267.293	256.829	246.747	239.853	236.642	236.545	236.951	236.745
68.0	267.264	265.711	259.942	249.203	239.350	232.821	230.085	230.359	230.976	230.805
68.5	260.336	258.468	252.459	242.052	232.239	225.995	223.865	224.367	224.961	224.933
69.0	253.447	251.539	245.736	235.106	225.447	219.341	217.462	218.558	219.209	219.164
69.5	246.661	244.748	238.710	228.280	218.661	212.829	211.521	212.926	213.669	213.754
70.0	240.241	238.322	232.284	221.917	212.281	206.694	205.661	207.306	208.271	208.248
70.5	233.975	232.073	226.001	215.885	206.192	200.845	200.240	201.971	202.942	202.987
71.0	228.012	225.910	220.101	209.539	200.383	195.122	194.751	196.921	197.955	197.978
71.5	222.123	219.941	214.149	204.010	194.716	189.558	189.673	192.015	193.020	193.146
72.0	216.211	214.097	208.357	198.309	189.113	184.178	184.600	186.977	188.016	188.085
72.5	210.527	208.431	202.696	192.969	183.835	179.100	179.677	182.099	183.247	183.310
73.0	205.021	202.856	197.281	187.485	178.746	174.216	174.861	177.558	178.797	178.734
73.5	199.669	197.235	191.923	182.550	173.873	169.429	170.486	173.091	174.176	174.250
74.0	194.305	191.929	186.771	177.580	169.064	164.917	165.979	168.555	169.544	169.464
74.5	189.016	186.685	181.636	172.719	164.369	160.484	161.552	164.094	164.905	164.797
75.0	183.687	181.350	176.301	167.773	159.896	156.166	157.189	159.622	160.433	160.210
75.5	178.483	176.067	171.223	163.255	155.492	151.911	153.076	155.069	155.726	155.503
76.0	173.376	170.920	166.248	158.485	151.237	147.781	148.746	150.414	150.928	150.620
76.5	168.201	165.779	161.244	153.956	147.015	143.760	144.359	145.776	146.296	146.004
77.0	162.775	160.581	156.103	149.220	142.874	139.784	140.064	141.332	141.606	141.252
77.5	157.508	155.475	151.088	144.828	138.722	135.689	135.677	136.494	136.825	136.425
78.0	152.208	150.271	146.107	140.053	134.575	131.519	131.136	131.684	131.896	131.467
78.5	146.787	144.931	141.863	135.529	130.388	127.286	126.509	126.864	127.046	126.818
79.0	141.064	141.366	136.534	130.588	126.178	122.888	121.854	122.220	122.168	121.814
79.5	135.546	136.225	130.913	126.127	121.934	118.513	117.222	117.199	117.210	116.890
80.0	129.948	129.165	125.818	121.426	117.530	114.017	112.441	112.252	112.189	111.910
80.5	124.156	123.528	120.672	116.536	112.903	109.288	107.586	107.380	107.266	107.026
81.0	118.250	118.044	115.411	111.533	108.288	104.518	102.645	102.382	102.079	101.925
81.5	112.389	113.669	110.179	106.683	103.233	99.629	97.652	97.178	96.853	96.738
82.0	106.198	107.791	104.787	101.588	98.109	94.636	92.449	91.809	91.598	91.386
82.5	99.897	101.045	99.275	96.276	92.637	89.301	87.119	86.525	86.268	86.108

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CANDELA TABULATION - (Cont.)

83.0	93.620	95.853	93.825	90.758	87.428	84.092	81.996	81.287	80.882	80.882
83.5	87.279	90.695	88.319	85.080	81.676	78.797	76.672	75.718	75.421	75.467
84.0	80.773	84.452	82.653	79.254	76.187	73.216	70.960	70.275	69.858	69.961
84.5	73.936	78.054	76.804	73.154	70.081	67.447	65.317	64.666	64.369	64.306
85.0	67.116	71.583	70.692	66.933	64.037	61.455	59.639	58.891	58.605	58.594
85.5	60.336	64.671	64.243	60.519	57.537	55.492	53.773	53.024	52.636	52.785
86.0	53.516	59.279	57.588	54.070	51.339	49.232	47.712	47.221	46.747	46.953
86.5	46.930	52.362	50.734	47.432	44.839	42.943	41.555	41.338	40.938	41.092
87.0	40.024	45.051	43.583	40.601	37.882	36.722	35.671	35.563	35.203	35.357
87.5	32.838	38.436	36.808	33.661	31.433	30.514	29.788	29.788	29.462	29.628
88.0	25.630	30.251	29.040	26.721	24.996	24.299	23.905	24.008	23.728	23.899
88.5	18.427	22.054	21.232	19.781	18.553	18.084	18.021	18.233	17.993	18.176
89.0	11.218	13.857	13.423	12.841	12.109	11.870	12.138	12.458	12.252	12.446
89.5	4.010	5.661	5.615	5.900	6.472	6.706	7.060	7.260	7.163	7.414
90.0	2.953	4.512	4.398	1.679	2.211	2.485	2.925	3.073	3.124	3.421
90.5	2.176	3.570	3.444	0.605	1.765	1.839	2.068	2.211	2.302	2.490
91.0	1.399	2.622	2.490	0.571	1.337	1.337	1.445	1.519	1.565	1.696
91.5	0.623	1.674	1.537	0.577	0.908	0.834	0.823	0.823	0.834	0.902
92.0	0.583	0.731	0.583	0.571	0.486	0.331	0.200	0.131	0.097	0.114
92.5	0.623	0.737	0.571	0.548	0.451	0.308	0.160	0.097	0.086	0.086
93.0	0.623	0.754	0.611	0.565	0.446	0.308	0.160	0.103	0.091	0.091
93.5	0.651	0.788	0.657	0.588	0.463	0.314	0.177	0.109	0.097	0.097
94.0	0.651	0.788	0.685	0.605	0.486	0.320	0.188	0.126	0.109	0.109
94.5	0.651	0.788	0.737	0.628	0.457	0.337	0.200	0.137	0.120	0.114
95.0	0.663	0.823	0.754	0.645	0.468	0.320	0.206	0.149	0.126	0.120
95.5	0.663	0.845	0.754	0.634	0.486	0.326	0.200	0.154	0.131	0.126
96.0	0.674	0.868	0.777	0.628	0.514	0.337	0.200	0.154	0.131	0.126
96.5	0.691	0.902	0.794	0.623	0.514	0.348	0.206	0.154	0.137	0.126
97.0	0.697	0.914	0.811	0.623	0.508	0.360	0.211	0.154	0.137	0.131
97.5	0.691	0.942	0.817	0.628	0.503	0.354	0.211	0.154	0.137	0.131
98.0	0.680	1.005	0.823	0.628	0.486	0.348	0.211	0.154	0.131	0.131
98.5	0.668	1.091	0.828	0.628	0.474	0.343	0.211	0.149	0.131	0.131
99.0	0.657	1.125	0.811	0.628	0.468	0.331	0.206	0.149	0.131	0.126
99.5	0.651	1.102	0.794	0.640	0.468	0.326	0.200	0.149	0.131	0.126
100.0	0.645	1.051	0.777	0.651	0.480	0.314	0.200	0.149	0.131	0.126
100.5	0.645	1.000	0.760	0.645	0.491	0.308	0.200	0.149	0.126	0.126
101.0	0.645	0.954	0.743	0.640	0.497	0.308	0.200	0.149	0.126	0.126
101.5	0.651	0.920	0.720	0.634	0.503	0.314	0.200	0.149	0.131	0.131
102.0	0.651	0.885	0.708	0.645	0.497	0.314	0.200	0.149	0.131	0.131
102.5	0.657	0.857	0.691	0.645	0.486	0.320	0.200	0.149	0.131	0.131
103.0	0.663	0.834	0.685	0.640	0.480	0.320	0.200	0.154	0.131	0.137
103.5	0.668	0.805	0.674	0.623	0.480	0.320	0.200	0.154	0.137	0.137
104.0	0.685	0.788	0.663	0.605	0.474	0.314	0.206	0.154	0.137	0.137
104.5	0.691	0.771	0.651	0.594	0.474	0.314	0.206	0.154	0.137	0.143
105.0	0.697	0.754	0.640	0.583	0.474	0.308	0.211	0.154	0.143	0.143
105.5	0.697	0.743	0.634	0.577	0.468	0.308	0.211	0.154	0.143	0.143
106.0	0.697	0.737	0.634	0.571	0.463	0.308	0.211	0.160	0.149	0.149
106.5	0.697	0.731	0.628	0.571	0.451	0.314	0.217	0.160	0.149	0.149
107.0	0.691	0.725	0.634	0.571	0.446	0.308	0.217	0.160	0.149	0.154
107.5	0.685	0.708	0.640	0.560	0.434	0.308	0.217	0.160	0.154	0.154
108.0	0.674	0.703	0.651	0.543	0.428	0.308	0.217	0.166	0.154	0.160
108.5	0.657	0.691	0.645	0.531	0.423	0.308	0.217	0.166	0.160	0.160
109.0	0.640	0.674	0.651	0.520	0.417	0.308	0.223	0.171	0.160	0.166
109.5	0.634	0.663	0.645	0.508	0.417	0.308	0.223	0.177	0.166	0.166
110.0	0.634	0.657	0.634	0.503	0.417	0.308	0.228	0.177	0.166	0.171
110.5	0.634	0.651	0.623	0.497	0.411	0.308	0.228	0.183	0.171	0.171

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111.0	0.628	0.651	0.611	0.486	0.411	0.308	0.234	0.188	0.171	0.177
111.5	0.623	0.645	0.600	0.480	0.406	0.308	0.240	0.188	0.177	0.183
112.0	0.617	0.634	0.588	0.474	0.406	0.308	0.240	0.194	0.183	0.183
112.5	0.611	0.623	0.577	0.474	0.406	0.314	0.246	0.200	0.183	0.188
113.0	0.600	0.611	0.571	0.480	0.400	0.308	0.246	0.200	0.188	0.188
113.5	0.605	0.600	0.554	0.480	0.394	0.308	0.246	0.206	0.188	0.194
114.0	0.611	0.594	0.543	0.480	0.394	0.308	0.246	0.211	0.194	0.200
114.5	0.611	0.600	0.531	0.480	0.394	0.314	0.246	0.211	0.200	0.206
115.0	0.617	0.600	0.531	0.480	0.400	0.320	0.246	0.217	0.200	0.206
115.5	0.617	0.600	0.520	0.480	0.400	0.320	0.251	0.223	0.206	0.211
116.0	0.617	0.594	0.520	0.474	0.400	0.326	0.251	0.223	0.211	0.217
116.5	0.623	0.600	0.526	0.468	0.400	0.326	0.251	0.228	0.217	0.223
117.0	0.623	0.594	0.526	0.468	0.394	0.326	0.257	0.234	0.223	0.228
117.5	0.623	0.588	0.526	0.468	0.394	0.326	0.257	0.234	0.223	0.228
118.0	0.617	0.583	0.520	0.468	0.400	0.326	0.263	0.240	0.228	0.234
118.5	0.623	0.577	0.520	0.468	0.400	0.331	0.268	0.240	0.234	0.240
119.0	0.617	0.577	0.514	0.468	0.406	0.331	0.274	0.246	0.246	0.246
119.5	0.611	0.577	0.520	0.468	0.411	0.331	0.280	0.246	0.246	0.246
120.0	0.617	0.565	0.520	0.474	0.411	0.331	0.280	0.251	0.246	0.251
120.5	0.617	0.565	0.520	0.474	0.411	0.331	0.286	0.251	0.251	0.257
121.0	0.605	0.577	0.526	0.474	0.417	0.337	0.286	0.257	0.257	0.263
121.5	0.617	0.571	0.520	0.474	0.417	0.337	0.291	0.263	0.263	0.268
122.0	0.611	0.571	0.514	0.474	0.423	0.337	0.291	0.263	0.268	0.268
122.5	0.611	0.565	0.520	0.480	0.423	0.343	0.291	0.268	0.268	0.274
123.0	0.605	0.565	0.526	0.486	0.423	0.348	0.297	0.274	0.274	0.280
123.5	0.600	0.571	0.520	0.491	0.423	0.354	0.297	0.274	0.280	0.286
124.0	0.600	0.565	0.520	0.491	0.423	0.354	0.303	0.280	0.286	0.291
124.5	0.611	0.565	0.514	0.503	0.423	0.360	0.308	0.280	0.291	0.297
125.0	0.605	0.571	0.514	0.503	0.423	0.360	0.308	0.286	0.291	0.303
125.5	0.605	0.571	0.520	0.503	0.428	0.366	0.314	0.291	0.297	0.308
126.0	0.605	0.571	0.526	0.497	0.428	0.366	0.314	0.291	0.303	0.314
126.5	0.600	0.571	0.526	0.503	0.434	0.366	0.320	0.297	0.303	0.314
127.0	0.600	0.565	0.526	0.503	0.440	0.371	0.326	0.303	0.308	0.320
127.5	0.611	0.560	0.531	0.503	0.440	0.371	0.326	0.308	0.308	0.320
128.0	0.600	0.565	0.531	0.508	0.440	0.377	0.331	0.314	0.314	0.326
128.5	0.594	0.565	0.537	0.503	0.440	0.377	0.331	0.320	0.314	0.331
129.0	0.611	0.565	0.543	0.503	0.440	0.377	0.337	0.326	0.320	0.337
129.5	0.611	0.571	0.543	0.508	0.446	0.383	0.343	0.331	0.320	0.337
130.0	0.600	0.565	0.537	0.503	0.446	0.383	0.343	0.337	0.326	0.343
130.5	0.594	0.560	0.537	0.514	0.446	0.388	0.348	0.343	0.331	0.348
131.0	0.605	0.565	0.537	0.508	0.451	0.388	0.354	0.348	0.337	0.354
131.5	0.605	0.554	0.531	0.514	0.451	0.388	0.360	0.348	0.343	0.366
132.0	0.600	0.554	0.531	0.520	0.451	0.388	0.366	0.354	0.343	0.366
132.5	0.600	0.548	0.537	0.520	0.451	0.383	0.366	0.360	0.348	0.371
133.0	0.605	0.548	0.531	0.514	0.451	0.383	0.371	0.360	0.354	0.377
133.5	0.600	0.543	0.537	0.514	0.457	0.388	0.371	0.360	0.354	0.377
134.0	0.588	0.548	0.537	0.514	0.451	0.388	0.377	0.366	0.354	0.377
134.5	0.594	0.548	0.543	0.508	0.446	0.388	0.377	0.366	0.360	0.383
135.0	0.594	0.554	0.537	0.508	0.446	0.388	0.388	0.366	0.360	0.383
135.5	0.594	0.554	0.537	0.508	0.446	0.388	0.394	0.366	0.360	0.383
136.0	0.594	0.560	0.543	0.508	0.446	0.388	0.394	0.371	0.360	0.383
136.5	0.594	0.560	0.543	0.508	0.446	0.394	0.400	0.371	0.366	0.388
137.0	0.594	0.560	0.548	0.514	0.451	0.400	0.400	0.377	0.366	0.388
137.5	0.594	0.554	0.548	0.514	0.451	0.400	0.406	0.383	0.371	0.388
138.0	0.594	0.548	0.554	0.514	0.451	0.400	0.406	0.383	0.371	0.394
138.5	0.594	0.554	0.554	0.508	0.451	0.400	0.406	0.388	0.377	0.400

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139.0	0.594	0.560	0.548	0.508	0.451	0.400	0.406	0.394	0.383	0.400
139.5	0.588	0.560	0.554	0.508	0.446	0.400	0.411	0.394	0.383	0.400
140.0	0.588	0.565	0.554	0.508	0.434	0.400	0.411	0.400	0.388	0.406
140.5	0.594	0.560	0.548	0.508	0.434	0.406	0.411	0.400	0.388	0.411
141.0	0.594	0.560	0.548	0.514	0.434	0.411	0.411	0.406	0.394	0.411
141.5	0.594	0.554	0.548	0.520	0.428	0.411	0.411	0.406	0.394	0.417
142.0	0.594	0.554	0.548	0.514	0.423	0.423	0.411	0.411	0.400	0.417
142.5	0.588	0.554	0.554	0.520	0.428	0.428	0.417	0.411	0.406	0.417
143.0	0.588	0.554	0.554	0.520	0.434	0.428	0.417	0.411	0.406	0.423
143.5	0.588	0.554	0.554	0.514	0.440	0.434	0.417	0.406	0.411	0.423
144.0	0.588	0.560	0.560	0.503	0.440	0.440	0.417	0.406	0.411	0.423
144.5	0.588	0.560	0.565	0.497	0.440	0.446	0.417	0.406	0.411	0.423
145.0	0.588	0.565	0.560	0.497	0.451	0.446	0.417	0.406	0.411	0.423
145.5	0.583	0.571	0.560	0.491	0.451	0.446	0.423	0.411	0.411	0.423
146.0	0.588	0.571	0.560	0.486	0.457	0.446	0.423	0.411	0.411	0.423
146.5	0.594	0.571	0.554	0.480	0.457	0.451	0.428	0.411	0.411	0.423
147.0	0.594	0.565	0.537	0.491	0.457	0.457	0.428	0.417	0.411	0.423
147.5	0.588	0.560	0.526	0.491	0.463	0.468	0.434	0.417	0.417	0.428
148.0	0.583	0.548	0.526	0.491	0.474	0.486	0.434	0.423	0.417	0.428
148.5	0.565	0.531	0.514	0.497	0.486	0.474	0.434	0.423	0.417	0.428
149.0	0.543	0.526	0.508	0.503	0.491	0.474	0.440	0.428	0.423	0.428
149.5	0.537	0.520	0.508	0.503	0.503	0.474	0.440	0.428	0.428	0.434
150.0	0.531	0.508	0.514	0.503	0.508	0.480	0.440	0.428	0.428	0.434
150.5	0.520	0.508	0.520	0.503	0.508	0.480	0.434	0.434	0.428	0.434
151.0	0.514	0.514	0.526	0.508	0.508	0.480	0.428	0.440	0.434	0.434
151.5	0.520	0.520	0.548	0.520	0.508	0.480	0.423	0.440	0.440	0.440
152.0	0.526	0.520	0.548	0.526	0.508	0.480	0.423	0.440	0.446	0.446
152.5	0.531	0.531	0.548	0.531	0.508	0.486	0.423	0.440	0.446	0.446
153.0	0.548	0.543	0.554	0.537	0.514	0.480	0.423	0.446	0.440	0.446
153.5	0.560	0.543	0.560	0.537	0.520	0.480	0.423	0.457	0.440	0.440
154.0	0.560	0.548	0.571	0.543	0.526	0.474	0.428	0.457	0.434	0.434
154.5	0.565	0.554	0.577	0.554	0.520	0.474	0.434	0.451	0.440	0.434
155.0	0.571	0.565	0.577	0.565	0.520	0.474	0.440	0.451	0.440	0.440
155.5	0.577	0.577	0.577	0.560	0.520	0.468	0.440	0.451	0.440	0.440
156.0	0.588	0.588	0.583	0.554	0.520	0.463	0.440	0.457	0.440	0.440
156.5	0.588	0.588	0.588	0.554	0.520	0.457	0.440	0.457	0.446	0.440
157.0	0.594	0.594	0.583	0.560	0.514	0.457	0.434	0.457	0.446	0.440
157.5	0.600	0.600	0.583	0.565	0.508	0.451	0.434	0.457	0.446	0.440
158.0	0.600	0.600	0.583	0.571	0.508	0.451	0.440	0.457	0.451	0.440
158.5	0.600	0.611	0.588	0.577	0.508	0.446	0.440	0.457	0.451	0.440
159.0	0.605	0.628	0.588	0.577	0.503	0.451	0.440	0.463	0.451	0.440
159.5	0.605	0.623	0.588	0.577	0.508	0.451	0.440	0.468	0.457	0.440
160.0	0.605	0.611	0.588	0.571	0.514	0.451	0.440	0.468	0.457	0.446
160.5	0.605	0.617	0.583	0.571	0.514	0.451	0.440	0.463	0.457	0.446
161.0	0.605	0.617	0.588	0.565	0.520	0.451	0.446	0.457	0.457	0.446
161.5	0.605	0.611	0.588	0.560	0.520	0.457	0.451	0.457	0.451	0.446
162.0	0.605	0.605	0.583	0.560	0.526	0.463	0.446	0.457	0.451	0.440
162.5	0.605	0.605	0.577	0.565	0.531	0.463	0.446	0.457	0.451	0.440
163.0	0.611	0.611	0.577	0.565	0.537	0.468	0.451	0.457	0.451	0.446
163.5	0.611	0.605	0.577	0.560	0.537	0.474	0.457	0.457	0.457	0.451
164.0	0.605	0.605	0.577	0.565	0.537	0.486	0.463	0.457	0.457	0.451
164.5	0.605	0.605	0.583	0.565	0.543	0.491	0.468	0.468	0.457	0.457
165.0	0.605	0.605	0.583	0.565	0.554	0.497	0.474	0.474	0.463	0.463
165.5	0.611	0.611	0.588	0.571	0.554	0.514	0.486	0.474	0.468	0.474
166.0	0.617	0.617	0.594	0.565	0.560	0.514	0.497	0.468	0.474	0.503
166.5	0.623	0.617	0.600	0.571	0.565	0.520	0.497	0.480	0.486	0.531

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167.0	0.623	0.617	0.605	0.588	0.565	0.526	0.497	0.486	0.497	0.537
167.5	0.623	0.628	0.611	0.588	0.571	0.531	0.514	0.491	0.503	0.526
168.0	0.634	0.640	0.611	0.594	0.571	0.537	0.514	0.497	0.508	0.514
168.5	0.640	0.640	0.617	0.605	0.571	0.537	0.520	0.497	0.508	0.503
169.0	0.645	0.645	0.623	0.605	0.577	0.531	0.514	0.508	0.508	0.497
169.5	0.645	0.645	0.628	0.605	0.583	0.531	0.508	0.508	0.520	0.503
170.0	0.645	0.645	0.628	0.605	0.583	0.526	0.503	0.508	0.531	0.508
170.5	0.640	0.645	0.628	0.605	0.583	0.531	0.497	0.514	0.531	0.526
171.0	0.640	0.640	0.634	0.611	0.583	0.531	0.491	0.514	0.537	0.548
171.5	0.645	0.651	0.640	0.611	0.588	0.531	0.497	0.514	0.537	0.526
172.0	0.651	0.657	0.645	0.617	0.594	0.537	0.503	0.520	0.537	0.508
172.5	0.657	0.657	0.645	0.628	0.600	0.554	0.508	0.526	0.543	0.508
173.0	0.663	0.663	0.651	0.634	0.605	0.565	0.526	0.543	0.543	0.514
173.5	0.668	0.668	0.663	0.645	0.623	0.583	0.537	0.560	0.554	0.520
174.0	0.674	0.680	0.674	0.657	0.640	0.600	0.560	0.577	0.565	0.531
174.5	0.680	0.680	0.680	0.668	0.651	0.617	0.577	0.588	0.577	0.543
175.0	0.680	0.680	0.680	0.674	0.663	0.628	0.577	0.594	0.583	0.554
175.5	0.680	0.680	0.680	0.674	0.668	0.634	0.583	0.600	0.588	0.560
176.0	0.674	0.680	0.680	0.674	0.674	0.640	0.588	0.605	0.594	0.560
176.5	0.674	0.680	0.680	0.674	0.674	0.645	0.600	0.617	0.600	0.565
177.0	0.674	0.680	0.674	0.674	0.668	0.645	0.611	0.623	0.600	0.577
177.5	0.668	0.674	0.668	0.668	0.663	0.645	0.617	0.628	0.605	0.588
178.0	0.663	0.674	0.668	0.663	0.663	0.645	0.623	0.623	0.605	0.600
178.5	0.657	0.663	0.663	0.657	0.657	0.645	0.634	0.623	0.611	0.611
179.0	0.651	0.663	0.657	0.651	0.651	0.640	0.640	0.617	0.617	0.623
179.5	0.651	0.663	0.663	0.651	0.645	0.640	0.645	0.611	0.617	0.628
180.0	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0.0	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133
0.5	1211.258	1211.138	1211.133	1211.127	1211.127	1210.864	1210.864	1210.727	1210.721	1210.853
1.0	1211.395	1211.270	1211.264	1211.127	1210.990	1210.853	1210.721	1210.447	1210.316	1210.453
1.5	1211.401	1211.270	1211.133	1210.995	1210.864	1210.727	1210.584	1210.321	1210.047	1210.167
2.0	1211.001	1211.013	1211.001	1210.727	1210.727	1210.590	1210.333	1210.184	1209.750	1209.653
2.5	1210.613	1210.470	1210.601	1210.344	1210.190	1210.059	1209.670	1209.396	1209.110	1209.105
3.0	1210.207	1210.059	1210.064	1209.807	1209.802	1209.516	1208.991	1208.705	1208.431	1208.294
3.5	1209.539	1209.419	1209.248	1209.128	1209.013	1208.745	1208.317	1208.157	1207.614	1207.460
4.0	1209.116	1208.739	1208.471	1208.174	1208.048	1207.928	1207.631	1207.380	1206.928	1206.512
4.5	1208.231	1208.048	1207.528	1207.271	1207.083	1207.094	1206.734	1206.420	1205.837	1205.558
5.0	1207.151	1206.831	1206.700	1206.449	1206.186	1206.009	1205.786	1205.329	1204.615	1204.455
5.5	1206.180	1205.792	1205.740	1205.495	1205.232	1204.975	1204.564	1204.175	1203.518	1203.307
6.0	1205.101	1204.718	1204.529	1204.409	1204.147	1203.890	1203.593	1203.210	1202.496	1202.205
6.5	1203.890	1203.496	1203.307	1203.056	1202.930	1202.673	1202.519	1202.125	1201.268	1200.971
7.0	1202.513	1202.136	1202.028	1201.822	1201.691	1201.445	1201.017	1200.765	1199.903	1199.617
7.5	1201.154	1200.908	1200.531	1200.423	1200.285	1200.080	1199.606	1199.263	1198.406	1198.252
8.0	1199.617	1199.269	1199.029	1198.783	1198.663	1198.543	1198.098	1197.846	1196.773	1196.721
8.5	1198.378	1197.732	1197.664	1197.281	1197.030	1196.790	1196.595	1196.481	1195.247	1194.933
9.0	1196.613	1195.973	1195.887	1195.516	1195.390	1195.008	1194.688	1194.596	1193.437	1193.128
9.5	1194.865	1194.345	1193.997	1193.888	1193.648	1193.517	1192.917	1192.706	1191.786	1190.963
10.0	1192.963	1192.591	1192.340	1192.123	1191.757	1191.626	1191.152	1190.678	1189.621	1189.067
10.5	1190.906	1190.421	1190.318	1190.072	1189.838	1189.581	1189.096	1188.633	1187.565	1187.142
11.0	1188.593	1188.227	1188.107	1187.885	1187.656	1187.536	1187.039	1186.571	1185.383	1184.972
11.5	1186.274	1185.937	1185.657	1185.566	1185.354	1185.251	1184.846	1184.412	1183.207	1182.790
12.0	1183.692	1183.624	1183.481	1183.378	1183.047	1182.921	1182.675	1182.098	1180.859	1180.036

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12.5	1181.367	1181.173	1181.036	1180.808	1180.716	1180.482	1180.373	1179.637	1178.403	1177.432
13.0	1178.511	1178.357	1178.466	1178.231	1178.163	1177.923	1177.700	1177.220	1175.964	1174.850
13.5	1175.695	1175.495	1175.758	1175.655	1175.455	1175.335	1175.101	1174.639	1173.502	1172.279
14.0	1172.725	1172.748	1172.754	1172.828	1172.879	1172.594	1172.382	1172.028	1170.634	1169.566
14.5	1169.835	1169.652	1169.869	1170.075	1170.006	1169.983	1169.521	1169.206	1167.687	1167.116
15.0	1166.710	1166.499	1166.927	1167.082	1167.122	1167.047	1166.636	1166.328	1164.825	1163.814
15.5	1163.454	1163.249	1163.803	1163.700	1164.128	1163.917	1163.923	1163.346	1161.941	1160.758
16.0	1160.164	1160.090	1160.404	1160.673	1160.993	1160.907	1160.838	1160.330	1158.908	1157.434
16.5	1156.709	1156.800	1156.994	1157.474	1157.782	1157.628	1157.577	1157.194	1155.652	1154.310
17.0	1153.550	1153.344	1153.561	1154.075	1154.384	1154.412	1154.150	1153.978	1152.402	1150.905
17.5	1149.951	1149.729	1149.837	1150.460	1150.768	1151.202	1150.820	1150.528	1148.929	1147.615
18.0	1146.204	1145.896	1146.238	1146.604	1147.335	1147.666	1147.198	1146.947	1145.490	1143.954
18.5	1142.331	1142.097	1142.429	1142.783	1143.422	1143.982	1143.668	1143.165	1141.526	1140.224
19.0	1138.345	1138.299	1138.516	1138.573	1139.458	1140.167	1140.007	1139.458	1137.956	1136.088
19.5	1134.586	1134.140	1134.495	1134.695	1135.460	1136.420	1136.265	1135.454	1134.009	1132.290
20.0	1130.239	1130.068	1130.251	1130.736	1131.764	1132.467	1132.427	1131.364	1130.148	1128.211
20.5	1126.029	1125.710	1126.041	1126.515	1127.549	1128.251	1128.114	1127.429	1125.915	1123.979
21.0	1121.894	1121.454	1121.506	1122.134	1123.328	1123.996	1123.985	1123.213	1121.625	1119.666
21.5	1117.381	1117.084	1117.376	1117.616	1118.924	1119.649	1119.603	1118.684	1117.090	1115.165
22.0	1113.057	1112.481	1112.635	1113.132	1114.194	1115.154	1115.131	1114.206	1112.840	1110.658
22.5	1108.322	1107.665	1108.048	1108.259	1109.573	1110.441	1110.653	1110.007	1108.042	1105.975
23.0	1103.359	1103.096	1103.210	1103.347	1104.889	1105.643	1105.895	1105.209	1103.393	1101.336
23.5	1098.903	1098.435	1098.983	1098.943	1100.308	1100.977	1101.222	1100.405	1098.509	1096.327
24.0	1093.454	1093.300	1093.768	1093.928	1095.339	1096.093	1096.424	1095.779	1093.620	1091.438
24.5	1088.570	1088.193	1088.496	1088.959	1089.815	1090.901	1091.329	1090.569	1088.376	1086.160
25.0	1083.709	1082.984	1083.172	1083.778	1084.657	1085.657	1085.828	1085.383	1083.024	1080.813
25.5	1078.157	1077.460	1078.009	1078.763	1079.499	1080.265	1080.499	1080.065	1077.586	1075.461
26.0	1072.628	1071.868	1072.200	1073.285	1073.845	1074.541	1075.204	1074.639	1071.988	1069.675
26.5	1066.882	1066.310	1066.539	1067.373	1068.087	1069.007	1069.561	1068.601	1066.333	1064.168
27.0	1061.541	1060.587	1060.781	1061.604	1062.621	1063.420	1063.934	1062.952	1060.381	1058.199
27.5	1055.458	1054.727	1055.206	1055.772	1056.800	1057.663	1058.108	1056.994	1054.618	1051.956
28.0	1049.283	1048.563	1048.769	1050.037	1050.494	1051.145	1051.414	1050.562	1048.472	1045.684
28.5	1043.177	1042.457	1042.651	1043.771	1044.154	1045.056	1045.307	1044.456	1041.960	1039.510
29.0	1036.945	1036.385	1036.705	1037.271	1038.173	1038.790	1039.173	1037.945	1035.317	1032.644
29.5	1030.285	1029.994	1030.508	1030.982	1031.919	1032.267	1032.501	1031.330	1028.925	1026.127
30.0	1023.528	1023.391	1023.442	1024.539	1025.218	1025.430	1025.915	1024.579	1022.134	1019.489
30.5	1016.365	1016.667	1017.084	1017.787	1018.495	1018.827	1018.935	1017.593	1015.068	1012.378
31.0	1009.984	1009.716	1010.281	1011.007	1011.544	1011.978	1011.847	1010.636	1007.808	1004.975
31.5	1002.616	1002.576	1003.210	1003.981	1004.564	1004.849	1004.581	1003.810	1000.725	997.647
32.0	995.545	995.516	995.961	997.058	997.481	997.687	997.515	996.230	993.305	990.341
32.5	988.319	988.296	988.799	989.793	989.992	990.586	989.844	988.941	985.531	982.350
33.0	980.876	980.762	981.567	982.413	982.447	982.927	982.298	981.139	978.066	974.873
33.5	973.205	972.948	973.605	974.667	974.776	975.113	974.450	973.325	970.446	967.019
34.0	965.134	965.145	965.642	966.716	966.670	967.139	966.625	965.094	962.255	958.525
34.5	957.120	957.491	957.948	958.799	959.045	959.262	958.445	957.206	953.887	950.208
35.0	949.466	949.203	950.066	951.014	951.145	951.225	950.523	949.037	945.570	941.835
35.5	940.943	940.578	941.892	942.571	942.617	942.828	941.829	940.372	937.111	933.187
36.0	932.530	932.204	932.981	933.666	933.986	934.329	933.444	931.821	928.468	924.504
36.5	923.579	923.750	924.447	925.007	925.624	925.555	924.521	923.048	919.781	915.457
37.0	914.200	914.491	915.548	916.450	916.793	916.519	915.731	913.840	910.710	906.569
37.5	905.038	905.084	906.272	907.123	907.620	907.197	906.552	904.827	901.399	897.372
38.0	895.819	896.041	897.178	897.806	898.446	898.206	897.687	895.659	892.391	888.113
38.5	886.120	886.268	887.765	888.707	889.398	889.124	888.290	886.228	882.750	878.711
39.0	875.964	876.244	877.963	879.300	879.477	879.345	878.871	876.552	873.513	868.961
39.5	865.676	866.356	867.750	869.566	869.783	869.389	869.024	867.127	864.083	859.570
40.0	855.212	856.292	857.857	859.536	859.964	859.719	859.485	857.400	854.390	849.700

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40.5	844.194	845.496	847.307	849.334	850.094	849.769	849.220	847.427	844.325	839.830
41.0	832.884	834.272	836.574	838.990	839.504	839.430	839.064	837.099	834.255	829.959
41.5	821.951	823.796	826.167	828.600	829.108	829.057	828.754	827.440	824.190	820.089
42.0	810.310	813.366	815.925	818.056	818.872	818.952	818.644	817.102	814.120	810.190
42.5	798.355	800.994	804.455	807.248	808.225	808.208	807.991	806.197	804.038	799.017
43.0	785.966	788.964	792.991	795.882	797.070	797.464	796.887	795.230	793.203	788.205
43.5	773.679	777.089	781.550	784.492	785.834	786.514	786.011	784.720	782.590	777.266
44.0	761.330	765.425	770.355	773.685	774.913	775.535	774.856	773.696	771.383	766.128
44.5	748.215	753.219	758.371	762.129	763.729	764.220	764.054	762.386	760.250	754.847
45.0	735.186	740.429	746.496	750.460	752.019	752.773	752.750	751.179	748.889	743.383
45.5	722.214	727.926	734.603	738.796	740.818	741.252	741.155	739.944	737.836	731.913
46.0	708.911	715.577	722.796	727.469	729.508	729.788	729.645	728.566	726.321	720.443
46.5	694.642	702.290	710.333	715.319	717.621	717.530	718.056	716.359	714.708	708.905
47.0	680.294	688.467	697.732	703.364	704.975	705.763	705.803	704.278	702.633	697.070
47.5	666.173	675.004	685.429	691.358	693.408	694.282	694.322	692.529	690.792	685.200
48.0	651.853	661.758	672.954	679.819	681.682	682.498	682.110	680.865	678.911	673.302
48.5	636.722	647.935	659.816	667.607	669.743	669.903	669.960	669.001	667.093	661.233
49.0	621.883	633.221	646.433	655.201	657.086	657.617	657.685	656.789	654.938	649.363
49.5	607.111	618.975	633.130	642.514	645.576	645.907	645.405	644.582	642.680	637.282
50.0	591.849	604.318	619.889	630.428	633.786	633.404	633.187	632.176	630.588	625.264
50.5	576.752	589.638	605.855	617.759	621.386	621.049	620.655	619.695	618.364	613.337
51.0	562.175	575.250	592.009	604.947	608.659	609.556	608.556	607.614	605.963	600.583
51.5	547.895	560.673	578.106	591.860	597.310	596.824	596.150	595.002	593.842	588.742
52.0	533.444	545.816	563.712	578.888	585.217	584.732	583.795	582.595	581.510	576.489
52.5	519.558	531.467	549.180	565.791	572.748	572.400	571.314	570.052	569.229	564.700
53.0	506.100	517.650	535.283	552.493	560.199	560.770	558.902	557.565	556.783	552.156
53.5	493.203	504.153	521.437	539.190	548.118	548.175	546.935	545.485	544.713	540.144
54.0	480.042	490.381	506.997	525.110	535.586	536.557	534.409	533.347	532.553	527.977
54.5	467.887	477.426	493.140	511.527	522.974	524.219	522.442	520.809	520.015	515.799
55.0	455.806	464.825	480.025	498.343	510.293	512.384	510.304	508.968	508.385	503.896
55.5	444.257	452.527	466.653	484.846	497.995	500.068	498.423	496.778	496.213	492.312
56.0	432.130	440.121	453.339	470.789	485.120	487.851	485.748	484.503	484.726	480.648
56.5	421.117	428.234	440.555	457.411	472.200	475.901	474.359	472.731	472.217	468.590
57.0	410.196	416.965	428.657	444.422	459.690	464.363	462.775	460.930	460.901	457.051
57.5	400.000	405.649	417.125	431.907	446.690	452.425	451.242	449.454	449.060	445.799
58.0	389.850	398.943	404.975	418.770	433.929	440.589	439.179	437.865	437.751	434.483
58.5	379.694	387.599	400.057	406.729	421.437	428.726	428.314	426.852	426.372	423.316
59.0	369.538	376.004	387.896	396.796	408.888	416.987	417.125	415.742	415.462	412.292
59.5	359.382	364.408	375.238	385.120	396.099	405.186	406.009	404.427	404.581	401.651
60.0	349.232	352.813	362.586	373.325	384.520	391.837	395.345	398.875	393.871	390.912
60.5	340.378	343.240	349.934	361.530	373.016	381.076	384.635	387.508	383.212	380.328
61.0	331.382	333.929	339.813	349.734	361.512	370.320	373.925	375.815	372.942	370.178
61.5	322.534	324.436	330.091	339.287	350.009	359.570	363.215	364.123	362.929	360.090
62.0	314.194	315.742	320.495	328.800	339.219	348.815	352.505	352.430	353.253	350.403
62.5	306.095	306.963	311.287	318.964	328.629	338.396	342.789	342.360	343.645	340.784
63.0	298.041	298.641	302.308	309.419	318.575	328.246	333.187	333.455	334.118	331.502
63.5	290.147	290.272	293.420	300.029	308.562	318.136	323.608	324.087	325.178	322.477
64.0	282.972	282.681	285.063	291.032	299.012	308.311	314.406	315.205	316.365	313.657
64.5	275.650	274.981	276.986	282.127	289.696	299.023	305.489	306.306	307.757	305.004
65.0	268.418	267.442	269.001	273.713	281.036	289.975	296.704	298.309	299.492	296.761
65.5	261.524	260.176	261.227	265.482	272.205	281.173	288.205	290.004	291.381	288.816
66.0	254.778	253.339	253.733	257.434	263.826	272.622	279.979	282.019	283.601	281.019
66.5	248.215	246.473	246.627	249.763	255.892	264.728	272.365	274.273	275.958	273.302
67.0	241.720	239.893	239.584	242.320	248.312	256.943	264.780	267.304	268.692	266.271
67.5	235.609	233.375	232.661	235.134	240.749	249.489	257.348	260.022	261.570	259.102
68.0	229.691	227.326	226.138	228.223	233.689	242.537	250.351	253.339	254.795	252.276

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68.5	223.722	221.294	219.963	221.620	226.864	235.649	243.811	246.467	248.181	245.765
69.0	218.016	215.542	213.766	215.177	220.409	228.960	237.259	240.258	241.886	239.407
69.5	212.504	209.785	207.671	208.808	213.857	222.665	230.879	233.889	235.723	233.124
70.0	207.174	204.404	201.959	202.856	207.854	216.765	224.876	228.114	229.565	227.046
70.5	201.925	199.097	196.618	197.270	202.193	210.876	219.135	222.031	223.728	221.266
71.0	196.847	194.185	191.386	191.672	196.658	205.272	213.515	216.593	218.210	215.639
71.5	191.946	189.313	186.223	186.274	191.146	199.840	208.060	211.098	212.863	209.973
72.0	187.068	184.366	181.207	181.088	185.926	194.671	202.645	205.826	207.403	204.632
72.5	182.270	179.637	176.615	176.278	180.990	189.524	197.470	200.400	202.108	199.195
73.0	177.632	175.284	171.920	171.520	176.164	184.669	192.323	195.402	197.047	193.957
73.5	173.268	170.960	167.653	167.007	171.548	179.825	187.394	190.272	191.997	188.690
74.0	168.692	166.676	163.335	162.649	167.179	175.210	182.544	185.372	187.011	183.641
74.5	163.917	162.301	159.256	158.394	162.758	170.635	177.535	180.454	182.099	178.574
75.0	159.530	158.080	155.041	154.235	158.474	165.968	172.645	175.575	177.283	173.525
75.5	154.892	153.716	151.002	150.197	154.304	161.598	167.790	170.549	172.457	168.498
76.0	150.197	149.300	147.027	146.359	150.328	157.120	163.095	165.785	167.573	163.529
76.5	145.416	144.862	143.028	142.457	146.336	152.682	158.268	160.976	162.672	158.422
77.0	140.864	140.287	138.704	138.590	142.229	148.186	153.333	156.029	157.760	153.390
77.5	136.174	135.791	134.546	134.746	138.288	143.737	148.609	151.180	152.847	148.409
78.0	131.393	131.130	130.228	130.936	134.301	139.207	143.800	146.233	147.827	143.468
78.5	126.544	126.515	125.784	126.909	130.308	134.632	139.024	142.800	142.703	139.624
79.0	121.848	121.666	121.089	122.642	126.138	129.948	134.061	137.808	137.494	134.906
79.5	116.942	116.919	116.719	118.398	121.906	125.390	131.336	131.125	132.170	129.491
80.0	112.178	112.121	112.172	114.091	117.719	120.775	126.269	125.818	126.704	123.848
80.5	107.180	107.191	107.300	109.550	113.377	115.936	121.066	120.420	121.277	119.141
81.0	102.159	102.199	102.342	104.975	108.716	111.110	115.954	115.976	115.628	114.805
81.5	96.995	97.018	97.567	100.194	103.936	106.209	110.727	111.110	109.962	109.128
82.0	91.872	91.838	92.552	95.345	98.892	101.285	104.244	104.301	104.027	102.885
82.5	86.485	86.543	87.342	90.158	93.568	96.162	99.469	98.435	97.967	97.253
83.0	81.225	81.367	82.059	85.132	88.216	90.889	93.060	92.666	91.906	91.615
83.5	75.781	75.992	76.838	79.814	82.893	85.617	87.542	86.954	85.846	85.983
84.0	70.252	70.372	71.411	74.387	77.295	80.105	82.156	81.505	79.780	80.339
84.5	64.643	64.803	65.762	68.555	71.314	74.810	76.786	75.655	73.611	74.165
85.0	58.965	59.216	60.056	62.695	65.077	68.156	72.188	69.304	67.127	67.990
85.5	52.905	53.419	54.201	56.594	58.982	61.592	66.168	62.586	60.833	61.798
86.0	47.118	47.370	48.146	50.506	52.636	55.246	59.291	56.155	54.178	55.132
86.5	41.349	41.532	42.052	44.000	46.187	48.780	52.156	49.757	47.764	48.026
87.0	35.609	35.774	36.197	37.482	39.470	42.143	45.085	43.291	41.098	42.035
87.5	29.868	30.022	30.354	31.387	33.135	35.214	37.933	37.414	34.443	36.066
88.0	24.133	24.265	24.510	25.287	26.806	28.274	30.354	29.811	27.435	28.977
88.5	18.393	18.513	18.667	19.192	20.478	21.334	22.751	22.083	22.088	21.888
89.0	12.652	12.761	12.823	13.098	14.149	14.394	15.148	14.354	16.742	14.800
89.5	7.671	7.865	7.803	7.740	7.814	7.454	7.546	6.620	11.395	7.711
90.0	3.621	3.696	3.593	3.370	2.970	2.291	1.577	5.346	6.049	0.857
90.5	2.616	2.753	2.639	2.479	2.325	1.782	1.091	4.181	0.851	0.885
91.0	1.788	1.879	1.834	1.788	1.731	1.399	0.960	3.016	0.811	0.897
91.5	0.960	1.005	1.028	1.097	1.137	1.017	0.823	1.851	0.794	0.891
92.0	0.137	0.137	0.223	0.406	0.543	0.634	0.691	0.685	0.794	0.914
92.5	0.091	0.126	0.200	0.377	0.531	0.594	0.708	0.731	0.800	0.902
93.0	0.097	0.137	0.211	0.388	0.531	0.617	0.691	0.697	0.811	0.925
93.5	0.103	0.143	0.211	0.388	0.526	0.605	0.720	0.737	0.823	0.948
94.0	0.109	0.149	0.211	0.377	0.560	0.640	0.754	0.811	0.828	0.960
94.5	0.120	0.154	0.211	0.383	0.520	0.663	0.760	0.851	0.840	0.982
95.0	0.120	0.154	0.211	0.383	0.537	0.685	0.771	0.845	0.851	1.017
95.5	0.120	0.154	0.217	0.371	0.548	0.668	0.794	0.834	0.863	1.051
96.0	0.126	0.160	0.211	0.383	0.577	0.657	0.805	0.811	0.874	1.114

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96.5	0.131	0.160	0.206	0.388	0.577	0.657	0.828	0.823	0.885	1.171
97.0	0.131	0.166	0.206	0.406	0.565	0.674	0.845	0.845	0.891	1.217
97.5	0.131	0.166	0.217	0.411	0.554	0.691	0.851	0.840	0.891	1.251
98.0	0.131	0.166	0.223	0.400	0.537	0.703	0.845	0.805	0.885	1.285
98.5	0.131	0.166	0.228	0.394	0.526	0.703	0.840	0.777	0.885	1.297
99.0	0.131	0.160	0.228	0.388	0.526	0.714	0.840	0.765	0.885	1.291
99.5	0.131	0.160	0.223	0.377	0.526	0.725	0.828	0.765	0.885	1.262
100.0	0.131	0.160	0.217	0.371	0.537	0.714	0.811	0.765	0.891	1.245
100.5	0.131	0.160	0.217	0.366	0.548	0.714	0.800	0.765	0.891	1.234
101.0	0.131	0.160	0.217	0.366	0.554	0.720	0.783	0.760	0.897	1.217
101.5	0.131	0.160	0.217	0.366	0.554	0.731	0.783	0.760	0.902	1.200
102.0	0.131	0.166	0.217	0.371	0.560	0.714	0.794	0.760	0.908	1.165
102.5	0.137	0.166	0.223	0.371	0.565	0.691	0.794	0.760	0.908	1.137
103.0	0.137	0.171	0.223	0.383	0.565	0.674	0.783	0.748	0.908	1.097
103.5	0.137	0.171	0.228	0.383	0.565	0.668	0.783	0.743	0.908	1.080
104.0	0.143	0.171	0.228	0.383	0.560	0.657	0.771	0.754	0.920	1.051
104.5	0.143	0.177	0.228	0.383	0.560	0.651	0.771	0.754	0.920	1.028
105.0	0.149	0.177	0.228	0.388	0.565	0.645	0.771	0.743	0.931	1.017
105.5	0.149	0.177	0.234	0.388	0.565	0.645	0.771	0.731	0.937	1.000
106.0	0.154	0.183	0.234	0.383	0.548	0.628	0.777	0.725	0.931	0.977
106.5	0.154	0.183	0.240	0.383	0.520	0.611	0.771	0.708	0.920	0.965
107.0	0.154	0.188	0.240	0.383	0.503	0.594	0.777	0.697	0.914	0.960
107.5	0.160	0.188	0.240	0.377	0.503	0.583	0.783	0.691	0.902	0.948
108.0	0.166	0.188	0.246	0.377	0.503	0.571	0.788	0.685	0.891	0.925
108.5	0.166	0.194	0.246	0.377	0.503	0.565	0.794	0.680	0.874	0.908
109.0	0.166	0.194	0.246	0.371	0.503	0.560	0.788	0.680	0.863	0.897
109.5	0.166	0.200	0.246	0.377	0.503	0.554	0.788	0.674	0.845	0.897
110.0	0.171	0.200	0.246	0.377	0.497	0.548	0.788	0.663	0.834	0.891
110.5	0.177	0.206	0.251	0.377	0.491	0.543	0.754	0.657	0.823	0.885
111.0	0.183	0.206	0.257	0.388	0.486	0.537	0.731	0.634	0.811	0.880
111.5	0.183	0.206	0.257	0.394	0.480	0.537	0.720	0.628	0.805	0.874
112.0	0.188	0.211	0.268	0.400	0.474	0.543	0.691	0.623	0.794	0.851
112.5	0.194	0.211	0.268	0.400	0.474	0.537	0.680	0.628	0.783	0.828
113.0	0.200	0.217	0.280	0.394	0.474	0.543	0.663	0.617	0.777	0.817
113.5	0.200	0.223	0.286	0.388	0.480	0.537	0.645	0.617	0.760	0.800
114.0	0.206	0.223	0.291	0.388	0.486	0.537	0.634	0.623	0.748	0.805
114.5	0.211	0.228	0.291	0.383	0.480	0.543	0.628	0.628	0.743	0.788
115.0	0.217	0.234	0.291	0.388	0.486	0.543	0.617	0.623	0.737	0.783
115.5	0.223	0.234	0.291	0.388	0.486	0.543	0.617	0.623	0.725	0.771
116.0	0.228	0.240	0.291	0.388	0.480	0.543	0.605	0.628	0.714	0.754
116.5	0.228	0.240	0.291	0.394	0.480	0.543	0.611	0.623	0.708	0.765
117.0	0.234	0.246	0.297	0.406	0.480	0.548	0.611	0.628	0.714	0.754
117.5	0.240	0.251	0.303	0.406	0.486	0.548	0.611	0.628	0.708	0.737
118.0	0.246	0.257	0.308	0.417	0.486	0.543	0.617	0.623	0.691	0.737
118.5	0.251	0.263	0.314	0.417	0.486	0.543	0.605	0.628	0.697	0.720
119.0	0.251	0.274	0.320	0.411	0.491	0.543	0.600	0.623	0.697	0.714
119.5	0.257	0.280	0.326	0.411	0.491	0.543	0.600	0.623	0.680	0.714
120.0	0.263	0.291	0.326	0.411	0.497	0.543	0.605	0.617	0.668	0.703
120.5	0.268	0.291	0.331	0.411	0.497	0.548	0.605	0.611	0.680	0.691
121.0	0.274	0.297	0.331	0.411	0.497	0.548	0.605	0.605	0.663	0.697
121.5	0.280	0.303	0.331	0.417	0.503	0.548	0.600	0.611	0.651	0.685
122.0	0.280	0.308	0.337	0.423	0.503	0.554	0.600	0.611	0.651	0.691
122.5	0.286	0.314	0.343	0.428	0.508	0.554	0.594	0.611	0.651	0.685
123.0	0.291	0.320	0.348	0.434	0.508	0.560	0.594	0.605	0.645	0.680
123.5	0.297	0.320	0.354	0.434	0.508	0.560	0.588	0.611	0.634	0.668
124.0	0.303	0.326	0.360	0.434	0.508	0.560	0.588	0.617	0.640	0.668

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124.5	0.308	0.331	0.366	0.440	0.503	0.560	0.588	0.623	0.634	0.663
125.0	0.308	0.337	0.366	0.434	0.508	0.554	0.588	0.623	0.623	0.663
125.5	0.314	0.343	0.366	0.446	0.508	0.560	0.583	0.623	0.617	0.657
126.0	0.320	0.360	0.371	0.440	0.514	0.565	0.588	0.611	0.617	0.651
126.5	0.326	0.377	0.377	0.446	0.508	0.565	0.588	0.617	0.617	0.640
127.0	0.326	0.366	0.383	0.446	0.514	0.571	0.594	0.611	0.605	0.640
127.5	0.331	0.371	0.383	0.446	0.514	0.571	0.594	0.617	0.594	0.628
128.0	0.331	0.371	0.388	0.446	0.520	0.577	0.583	0.605	0.605	0.623
128.5	0.337	0.371	0.394	0.446	0.520	0.577	0.588	0.605	0.588	0.634
129.0	0.343	0.371	0.400	0.446	0.520	0.583	0.594	0.605	0.583	0.623
129.5	0.348	0.377	0.400	0.440	0.520	0.571	0.594	0.611	0.588	0.623
130.0	0.354	0.383	0.400	0.440	0.514	0.571	0.594	0.623	0.588	0.634
130.5	0.360	0.388	0.400	0.440	0.514	0.571	0.600	0.623	0.583	0.617
131.0	0.366	0.394	0.400	0.446	0.514	0.571	0.588	0.623	0.577	0.611
131.5	0.371	0.394	0.400	0.446	0.514	0.577	0.600	0.623	0.577	0.617
132.0	0.383	0.394	0.406	0.446	0.514	0.594	0.605	0.623	0.577	0.605
132.5	0.383	0.400	0.400	0.451	0.514	0.588	0.600	0.623	0.571	0.600
133.0	0.383	0.400	0.400	0.457	0.508	0.594	0.594	0.617	0.560	0.594
133.5	0.388	0.400	0.406	0.457	0.503	0.594	0.594	0.611	0.565	0.594
134.0	0.388	0.406	0.406	0.451	0.508	0.583	0.583	0.623	0.565	0.577
134.5	0.388	0.406	0.411	0.451	0.508	0.571	0.588	0.623	0.560	0.577
135.0	0.388	0.411	0.417	0.451	0.503	0.565	0.583	0.628	0.560	0.583
135.5	0.388	0.411	0.423	0.451	0.503	0.565	0.583	0.617	0.571	0.577
136.0	0.388	0.417	0.434	0.451	0.503	0.560	0.577	0.623	0.571	0.565
136.5	0.394	0.423	0.440	0.457	0.497	0.565	0.577	0.611	0.565	0.565
137.0	0.394	0.423	0.446	0.457	0.497	0.565	0.577	0.617	0.560	0.577
137.5	0.394	0.423	0.446	0.457	0.497	0.554	0.571	0.617	0.560	0.565
138.0	0.400	0.423	0.451	0.451	0.491	0.548	0.571	0.611	0.565	0.565
138.5	0.406	0.428	0.451	0.463	0.497	0.548	0.571	0.617	0.560	0.554
139.0	0.406	0.428	0.451	0.463	0.497	0.548	0.571	0.600	0.560	0.560
139.5	0.406	0.428	0.451	0.463	0.486	0.543	0.577	0.600	0.554	0.577
140.0	0.411	0.434	0.451	0.468	0.474	0.537	0.571	0.594	0.554	0.577
140.5	0.411	0.434	0.451	0.468	0.474	0.531	0.565	0.588	0.560	0.571
141.0	0.411	0.434	0.451	0.468	0.474	0.537	0.565	0.594	0.554	0.571
141.5	0.411	0.434	0.451	0.457	0.480	0.526	0.560	0.594	0.554	0.565
142.0	0.411	0.434	0.446	0.457	0.486	0.531	0.554	0.594	0.554	0.565
142.5	0.417	0.434	0.446	0.457	0.486	0.531	0.554	0.583	0.548	0.565
143.0	0.417	0.434	0.451	0.457	0.486	0.520	0.543	0.571	0.543	0.565
143.5	0.423	0.434	0.451	0.457	0.486	0.503	0.543	0.565	0.531	0.560
144.0	0.423	0.434	0.457	0.463	0.497	0.497	0.537	0.565	0.526	0.548
144.5	0.423	0.434	0.457	0.474	0.497	0.503	0.531	0.560	0.526	0.543
145.0	0.423	0.434	0.457	0.491	0.497	0.508	0.543	0.548	0.526	0.531
145.5	0.417	0.440	0.463	0.497	0.503	0.508	0.543	0.526	0.520	0.526
146.0	0.417	0.440	0.468	0.497	0.503	0.514	0.520	0.526	0.497	0.526
146.5	0.423	0.440	0.474	0.503	0.503	0.520	0.526	0.526	0.503	0.520
147.0	0.423	0.440	0.474	0.503	0.503	0.526	0.526	0.514	0.503	0.503
147.5	0.428	0.446	0.474	0.514	0.503	0.531	0.531	0.497	0.480	0.497
148.0	0.428	0.451	0.480	0.520	0.497	0.543	0.537	0.497	0.463	0.497
148.5	0.428	0.451	0.486	0.514	0.497	0.543	0.548	0.497	0.468	0.497
149.0	0.434	0.451	0.486	0.514	0.503	0.537	0.543	0.503	0.474	0.503
149.5	0.434	0.457	0.486	0.531	0.508	0.543	0.548	0.526	0.474	0.520
150.0	0.434	0.463	0.486	0.548	0.526	0.537	0.571	0.537	0.497	0.520
150.5	0.440	0.463	0.486	0.537	0.537	0.526	0.577	0.543	0.503	0.514
151.0	0.451	0.468	0.480	0.526	0.543	0.526	0.583	0.560	0.503	0.526
151.5	0.457	0.474	0.480	0.520	0.543	0.526	0.577	0.565	0.526	0.526
152.0	0.457	0.474	0.480	0.520	0.543	0.526	0.577	0.571	0.531	0.526

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CANDELA TABULATION - (Cont.)

152.5	0.463	0.474	0.480	0.520	0.543	0.531	0.577	0.571	0.531	0.520
153.0	0.463	0.480	0.480	0.520	0.543	0.543	0.571	0.571	0.531	0.520
153.5	0.457	0.491	0.486	0.520	0.537	0.554	0.565	0.565	0.526	0.520
154.0	0.457	0.491	0.491	0.526	0.537	0.560	0.565	0.565	0.526	0.514
154.5	0.463	0.491	0.497	0.526	0.548	0.565	0.565	0.565	0.526	0.508
155.0	0.463	0.491	0.497	0.531	0.554	0.571	0.577	0.565	0.520	0.508
155.5	0.463	0.503	0.503	0.526	0.548	0.583	0.588	0.571	0.520	0.508
156.0	0.468	0.503	0.508	0.526	0.543	0.588	0.588	0.583	0.526	0.514
156.5	0.474	0.503	0.508	0.526	0.543	0.583	0.594	0.600	0.537	0.531
157.0	0.474	0.503	0.514	0.526	0.543	0.577	0.594	0.605	0.554	0.543
157.5	0.480	0.503	0.526	0.531	0.548	0.571	0.600	0.611	0.560	0.554
158.0	0.480	0.503	0.526	0.537	0.554	0.571	0.600	0.617	0.560	0.560
158.5	0.480	0.503	0.526	0.537	0.560	0.565	0.605	0.617	0.560	0.560
159.0	0.480	0.508	0.526	0.537	0.560	0.571	0.617	0.617	0.560	0.554
159.5	0.480	0.514	0.526	0.537	0.560	0.571	0.617	0.617	0.560	0.554
160.0	0.480	0.508	0.526	0.543	0.554	0.577	0.611	0.623	0.560	0.548
160.5	0.480	0.508	0.531	0.543	0.560	0.583	0.600	0.628	0.554	0.548
161.0	0.480	0.503	0.526	0.543	0.565	0.588	0.594	0.628	0.554	0.543
161.5	0.474	0.508	0.526	0.548	0.571	0.588	0.594	0.634	0.554	0.543
162.0	0.474	0.508	0.531	0.554	0.571	0.588	0.600	0.634	0.554	0.543
162.5	0.480	0.514	0.537	0.554	0.577	0.594	0.611	0.628	0.554	0.548
163.0	0.480	0.520	0.543	0.560	0.583	0.600	0.617	0.634	0.554	0.548
163.5	0.480	0.520	0.548	0.565	0.588	0.605	0.623	0.640	0.560	0.554
164.0	0.480	0.520	0.554	0.571	0.594	0.611	0.628	0.634	0.560	0.554
164.5	0.486	0.526	0.560	0.583	0.600	0.617	0.634	0.634	0.560	0.560
165.0	0.491	0.537	0.565	0.588	0.611	0.623	0.640	0.640	0.565	0.565
165.5	0.503	0.543	0.577	0.594	0.623	0.628	0.640	0.640	0.571	0.571
166.0	0.508	0.548	0.583	0.600	0.623	0.628	0.640	0.645	0.577	0.577
166.5	0.514	0.554	0.594	0.605	0.623	0.634	0.640	0.651	0.583	0.583
167.0	0.520	0.560	0.594	0.611	0.628	0.640	0.645	0.651	0.583	0.583
167.5	0.526	0.560	0.600	0.623	0.634	0.640	0.651	0.663	0.588	0.594
168.0	0.531	0.560	0.600	0.623	0.634	0.645	0.657	0.668	0.600	0.600
168.5	0.531	0.560	0.600	0.617	0.634	0.651	0.657	0.674	0.605	0.605
169.0	0.531	0.565	0.600	0.617	0.634	0.651	0.657	0.674	0.611	0.605
169.5	0.531	0.571	0.600	0.617	0.634	0.651	0.657	0.674	0.611	0.611
170.0	0.531	0.571	0.600	0.617	0.634	0.645	0.657	0.674	0.617	0.611
170.5	0.526	0.571	0.600	0.617	0.628	0.640	0.651	0.668	0.623	0.623
171.0	0.526	0.565	0.600	0.617	0.634	0.634	0.651	0.668	0.634	0.628
171.5	0.526	0.565	0.600	0.617	0.640	0.634	0.651	0.663	0.640	0.634
172.0	0.537	0.565	0.600	0.617	0.640	0.634	0.657	0.663	0.640	0.640
172.5	0.543	0.571	0.605	0.628	0.634	0.634	0.663	0.663	0.640	0.640
173.0	0.548	0.577	0.611	0.640	0.634	0.640	0.663	0.668	0.645	0.645
173.5	0.560	0.583	0.617	0.640	0.634	0.640	0.668	0.674	0.645	0.645
174.0	0.565	0.588	0.628	0.634	0.628	0.645	0.668	0.674	0.651	0.651
174.5	0.577	0.588	0.628	0.634	0.628	0.645	0.668	0.674	0.651	0.651
175.0	0.577	0.588	0.628	0.634	0.628	0.645	0.668	0.674	0.645	0.651
175.5	0.571	0.588	0.628	0.634	0.634	0.645	0.663	0.668	0.645	0.645
176.0	0.571	0.594	0.628	0.634	0.634	0.645	0.657	0.663	0.645	0.645
176.5	0.571	0.594	0.628	0.634	0.634	0.645	0.657	0.663	0.645	0.645
177.0	0.571	0.594	0.634	0.634	0.634	0.640	0.651	0.663	0.645	0.645
177.5	0.577	0.594	0.634	0.634	0.628	0.634	0.645	0.657	0.645	0.645
178.0	0.577	0.594	0.628	0.628	0.623	0.628	0.640	0.651	0.645	0.645
178.5	0.583	0.594	0.628	0.623	0.617	0.623	0.634	0.651	0.645	0.645
179.0	0.588	0.600	0.628	0.617	0.611	0.617	0.628	0.645	0.645	0.645
179.5	0.594	0.600	0.628	0.617	0.605	0.605	0.623	0.640	0.645	0.645
180.0	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	200	210	220	230	240	250	260	270	280	290
0.0	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133
0.5	1210.744	1210.721	1210.853	1210.618	1210.721	1210.727	1210.847	1210.875	1210.990	1210.995
1.0	1210.207	1210.321	1210.310	1210.213	1210.179	1210.316	1210.299	1210.333	1210.578	1210.841
1.5	1209.927	1210.024	1209.767	1209.665	1209.630	1209.756	1209.659	1209.922	1210.024	1210.281
2.0	1209.379	1209.213	1209.208	1208.973	1209.059	1208.939	1208.979	1209.105	1209.345	1209.647
2.5	1208.831	1208.654	1208.511	1208.288	1208.128	1208.271	1208.305	1208.425	1208.785	1209.099
3.0	1208.134	1207.762	1207.568	1207.488	1207.454	1207.711	1207.751	1207.877	1208.025	1208.419
3.5	1207.180	1206.928	1206.671	1206.763	1206.803	1206.809	1207.060	1207.174	1207.334	1207.860
4.0	1206.157	1205.855	1205.592	1205.489	1205.586	1205.855	1205.980	1206.095	1206.517	1206.917
4.5	1205.072	1204.769	1204.638	1204.541	1204.364	1204.501	1204.889	1205.015	1205.301	1205.832
5.0	1204.118	1203.804	1203.536	1203.319	1203.130	1203.256	1203.638	1203.987	1204.192	1204.855
5.5	1202.879	1202.684	1202.176	1201.942	1201.736	1201.879	1202.130	1202.462	1202.816	1203.570
6.0	1201.656	1201.342	1201.068	1200.702	1200.108	1200.497	1200.463	1200.959	1201.456	1202.079
6.5	1200.417	1200.057	1199.651	1199.063	1198.572	1198.715	1198.703	1199.183	1199.920	1200.582
7.0	1199.006	1198.400	1198.023	1197.395	1197.195	1196.927	1196.927	1197.401	1198.012	1198.937
7.5	1197.384	1196.790	1196.253	1195.773	1195.687	1195.430	1195.162	1195.510	1196.378	1197.321
8.0	1195.864	1195.127	1194.202	1193.997	1193.511	1193.511	1193.345	1193.705	1194.459	1195.756
8.5	1193.939	1193.065	1192.403	1192.072	1191.438	1191.295	1191.158	1191.506	1192.409	1193.454
9.0	1191.883	1191.015	1190.484	1190.101	1189.376	1188.981	1188.947	1189.307	1190.478	1191.637
9.5	1189.838	1189.244	1188.422	1187.668	1186.936	1186.788	1186.617	1186.959	1188.147	1189.330
10.0	1187.656	1187.068	1186.114	1185.371	1184.617	1184.223	1184.292	1184.412	1185.714	1187.045
10.5	1185.748	1184.874	1183.926	1183.041	1182.036	1181.613	1181.590	1181.836	1183.247	1184.692
11.0	1183.589	1182.710	1181.493	1180.613	1179.585	1178.911	1178.877	1179.402	1180.790	1182.110
11.5	1181.230	1180.116	1178.980	1178.123	1176.706	1176.409	1175.981	1176.786	1178.031	1179.539
12.0	1178.888	1177.923	1176.295	1175.130	1173.879	1173.450	1173.228	1173.890	1175.078	1176.781
12.5	1176.444	1175.050	1173.679	1172.799	1170.994	1170.572	1170.217	1171.063	1172.057	1174.039
13.0	1173.599	1172.457	1170.714	1169.549	1167.990	1167.590	1167.304	1167.938	1169.058	1171.051
13.5	1171.011	1169.863	1167.853	1166.442	1165.031	1164.351	1164.334	1164.568	1166.088	1167.938
14.0	1168.155	1166.442	1164.711	1163.169	1161.729	1161.033	1160.633	1161.272	1162.649	1164.711
14.5	1165.134	1163.546	1161.432	1160.016	1158.314	1157.623	1157.131	1157.874	1159.388	1161.581
15.0	1161.992	1160.239	1158.108	1156.463	1154.858	1154.184	1153.710	1154.407	1156.080	1158.034
15.5	1158.793	1156.920	1154.658	1152.864	1151.276	1150.477	1150.003	1150.568	1152.236	1154.441
16.0	1155.652	1153.487	1151.219	1149.443	1147.844	1146.650	1146.199	1146.861	1148.266	1150.757
16.5	1152.242	1149.980	1147.552	1145.496	1143.891	1143.097	1142.286	1143.051	1144.485	1147.050
17.0	1148.843	1146.456	1143.879	1141.846	1140.047	1139.013	1138.430	1138.984	1140.698	1143.137
17.5	1145.290	1142.708	1140.024	1137.996	1135.826	1134.775	1134.358	1134.992	1136.699	1139.156
18.0	1141.703	1139.019	1136.174	1133.986	1131.616	1130.679	1130.131	1130.736	1132.330	1135.066
18.5	1137.739	1134.906	1131.924	1129.479	1127.195	1126.389	1125.858	1126.492	1128.229	1131.079
19.0	1133.866	1130.913	1127.812	1124.967	1122.665	1121.837	1121.180	1122.122	1123.699	1126.915
19.5	1129.771	1126.703	1123.722	1120.752	1118.084	1117.227	1116.707	1117.479	1119.192	1122.465
20.0	1125.670	1122.488	1119.346	1116.273	1113.686	1112.749	1112.092	1112.726	1114.560	1117.958
20.5	1121.426	1118.141	1114.731	1111.864	1109.048	1107.974	1107.477	1107.922	1110.042	1113.200
21.0	1116.902	1113.554	1109.882	1106.540	1104.215	1103.267	1102.622	1103.164	1105.255	1108.111
21.5	1112.606	1108.882	1105.209	1101.999	1099.412	1098.172	1097.801	1098.326	1100.280	1103.421
22.0	1107.791	1104.073	1100.451	1097.058	1094.573	1093.180	1092.660	1093.140	1095.213	1098.680
22.5	1102.753	1099.531	1095.482	1091.986	1089.301	1088.067	1087.679	1088.039	1090.295	1093.671
23.0	1098.132	1094.505	1090.455	1086.828	1084.103	1082.635	1082.218	1083.047	1085.103	1088.245
23.5	1093.197	1089.313	1085.263	1081.373	1078.517	1077.152	1076.729	1077.289	1079.511	1082.921
24.0	1088.382	1083.955	1079.928	1076.038	1073.142	1071.783	1071.200	1071.851	1074.016	1077.517
24.5	1082.692	1078.523	1074.364	1070.332	1067.350	1066.019	1065.368	1066.002	1068.424	1071.691
25.0	1077.363	1073.028	1068.464	1064.448	1061.147	1060.073	1059.416	1060.364	1062.381	1065.979
25.5	1071.663	1067.276	1062.621	1058.879	1055.315	1053.875	1053.184	1053.961	1056.246	1060.467
26.0	1065.899	1061.153	1056.617	1052.573	1049.443	1047.826	1047.112	1048.083	1050.243	1054.167

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26.5	1060.079	1055.372	1050.557	1046.530	1043.497	1041.635	1041.063	1041.857	1044.176	1047.861
27.0	1053.858	1049.386	1044.685	1040.287	1036.842	1035.089	1034.392	1035.077	1037.665	1041.520
27.5	1048.026	1043.097	1038.253	1034.158	1030.696	1028.594	1028.000	1028.463	1031.107	1035.534
28.0	1041.583	1036.694	1031.507	1027.435	1023.950	1022.317	1021.163	1021.888	1024.487	1028.548
28.5	1035.197	1030.045	1024.961	1020.677	1017.164	1015.257	1014.114	1014.834	1017.530	1021.751
29.0	1028.714	1023.293	1018.564	1013.794	1010.241	1007.934	1007.088	1007.751	1010.641	1014.737
29.5	1022.185	1016.462	1011.384	1006.849	1003.141	1000.720	999.897	1000.331	1003.324	1007.683
30.0	1014.897	1009.442	1004.478	999.560	995.973	993.939	992.689	993.140	996.418	1000.640
30.5	1007.797	1002.342	996.995	992.232	988.245	986.331	985.177	985.846	988.639	992.968
31.0	1000.560	995.122	989.872	984.994	980.745	978.420	977.175	977.980	980.870	985.491
31.5	993.180	987.439	982.287	977.426	973.439	970.577	969.321	970.406	973.199	977.814
32.0	985.577	979.802	974.679	969.326	965.528	962.975	961.615	962.135	965.042	969.812
32.5	977.826	971.931	966.630	961.244	957.131	954.647	953.510	954.047	956.691	961.924
33.0	969.852	964.191	958.662	953.390	948.992	946.096	945.090	945.296	948.632	953.350
33.5	962.004	956.080	950.288	945.096	941.149	937.602	936.534	936.979	939.990	945.233
34.0	953.561	947.318	941.526	936.522	932.221	929.234	927.737	928.023	931.073	936.614
34.5	945.188	939.184	933.278	927.834	922.991	919.752	918.655	918.827	922.128	927.389
35.0	936.705	930.331	924.790	919.261	914.069	910.207	909.185	909.539	912.681	918.478
35.5	927.720	921.757	915.514	910.127	905.158	901.194	899.554	899.983	903.518	909.202
36.0	919.112	912.578	906.654	901.057	895.487	891.866	889.964	890.289	894.071	900.017
36.5	910.104	903.833	897.515	891.472	885.691	881.699	879.985	879.877	883.784	890.072
37.0	901.011	894.276	888.393	882.178	875.912	871.183	869.481	869.749	873.679	880.625
37.5	891.500	884.663	878.289	872.108	865.888	860.867	858.936	859.193	863.243	870.360
38.0	882.407	874.993	868.567	862.215	855.343	849.923	847.501	847.792	852.310	860.119
38.5	872.548	865.888	858.816	852.025	844.633	838.973	836.065	836.391	841.378	849.374
39.0	862.952	855.652	848.626	841.241	833.923	828.023	824.636	824.990	830.451	838.624
39.5	853.304	845.433	838.436	830.456	823.219	817.073	813.200	813.583	819.518	827.874
40.0	843.103	835.209	828.246	819.672	812.509	806.117	801.759	802.159	808.579	817.130
40.5	832.895	824.990	818.056	808.968	801.782	794.099	789.701	789.992	795.967	806.352
41.0	822.688	814.771	807.831	799.543	790.324	782.116	777.300	777.700	783.852	794.688
41.5	812.481	804.530	796.613	787.725	778.540	769.909	764.277	764.848	771.103	782.675
42.0	802.250	794.014	785.737	776.821	766.682	757.474	751.802	752.019	758.382	770.492
42.5	791.335	783.441	774.679	765.545	754.972	744.942	738.819	738.704	745.639	758.097
43.0	780.499	772.074	763.352	754.098	743.034	732.433	725.710	725.767	733.181	746.181
43.5	769.206	760.701	751.853	742.012	730.553	719.535	712.132	712.321	719.821	733.467
44.0	758.725	749.272	740.589	730.565	718.113	706.574	698.995	698.486	706.026	720.620
44.5	746.998	738.247	729.257	718.655	706.049	693.146	685.040	684.772	692.683	707.608
45.0	735.214	726.435	717.142	706.500	693.265	679.654	671.012	670.800	679.208	694.636
45.5	723.773	714.977	705.529	694.356	680.351	666.328	656.914	656.629	665.391	681.379
46.0	712.938	703.633	694.197	682.704	667.487	652.607	643.308	642.560	651.339	668.350
46.5	700.765	691.683	682.595	670.446	654.909	638.710	629.183	628.754	637.613	654.681
47.0	688.759	679.791	670.389	657.805	641.446	624.767	615.108	614.446	623.608	640.938
47.5	676.901	668.138	658.417	645.188	627.400	610.733	600.645	600.046	609.373	626.961
48.0	665.974	656.554	646.656	632.918	614.268	596.881	587.039	586.165	595.270	613.600
48.5	653.173	644.405	634.655	620.055	601.017	583.424	573.273	572.982	581.784	599.629
49.0	641.292	632.627	622.682	607.283	587.416	569.675	560.182	559.770	568.315	586.303
49.5	629.365	621.014	610.681	594.179	573.765	556.000	546.707	546.353	554.927	572.554
50.0	617.204	609.219	598.355	581.527	560.330	542.863	533.935	533.404	541.583	558.868
50.5	605.169	597.087	586.148	568.464	547.038	530.319	521.334	520.866	528.846	545.450
51.0	593.123	584.977	573.502	555.046	533.609	517.382	508.991	508.551	516.062	532.456
51.5	581.322	573.245	561.672	541.920	520.523	504.695	496.761	496.538	503.838	519.655
52.0	569.161	561.324	549.003	529.200	507.957	492.369	484.949	484.829	491.626	507.049
52.5	557.320	549.317	536.437	516.091	495.476	480.990	473.576	473.405	480.134	494.476
53.0	545.239	537.265	523.739	502.999	482.664	468.864	462.124	462.226	468.367	482.373
53.5	533.581	525.367	511.561	490.392	470.366	457.046	450.580	450.780	456.977	470.360
54.0	521.786	513.223	498.720	478.009	458.674	445.867	439.658	440.007	446.170	458.588

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CANDELA TABULATION - (Cont.)

54.5	509.830	501.154	486.114	465.122	446.947	435.146	429.097	429.377	434.946	447.164
55.0	497.904	489.496	473.845	452.767	435.192	423.859	418.684	418.918	424.270	436.448
55.5	486.377	477.580	461.467	441.172	424.070	412.966	408.225	408.362	413.646	426.349
56.0	474.976	465.654	449.237	429.708	413.532	402.885	398.332	398.818	403.570	414.189
56.5	463.129	453.584	437.065	417.690	402.222	392.986	388.427	388.856	393.740	403.576
57.0	451.522	442.069	425.276	406.049	391.432	382.567	378.694	379.151	384.195	393.128
57.5	440.138	430.091	413.532	395.265	381.185	372.365	369.338	369.566	374.136	382.984
58.0	428.691	418.450	401.691	384.532	371.314	363.306	360.170	360.816	364.666	373.045
58.5	417.502	407.151	390.495	373.730	361.187	354.190	351.214	351.979	355.686	363.603
59.0	406.666	395.933	379.637	363.460	351.499	344.793	342.434	343.251	346.718	354.075
59.5	395.876	384.749	368.870	353.544	342.195	335.740	334.066	334.763	337.945	344.856
60.0	384.972	373.959	358.062	343.377	333.221	327.412	325.635	326.544	329.531	335.769
60.5	374.187	363.003	347.467	333.684	323.762	318.930	317.530	318.393	321.186	326.943
61.0	364.009	352.625	337.625	324.339	315.085	310.402	309.413	310.447	313.040	318.335
61.5	354.035	342.309	327.932	315.451	306.706	302.399	301.799	302.765	305.272	310.213
62.0	344.085	332.376	318.495	306.357	298.509	294.859	294.202	295.299	297.698	301.965
62.5	334.375	322.494	309.088	297.624	290.015	286.988	286.851	287.833	289.855	293.911
63.0	324.921	313.320	300.131	289.136	282.161	279.288	279.402	280.374	282.595	286.051
63.5	315.805	304.193	291.306	281.179	274.599	272.080	272.194	273.245	275.341	278.534
64.0	306.866	294.968	282.733	272.748	266.945	265.071	265.111	266.305	268.236	271.040
64.5	298.281	286.531	274.507	265.025	259.445	257.988	258.417	259.450	261.170	263.860
65.0	290.095	278.443	266.693	257.514	252.476	251.025	251.528	252.785	254.550	256.914
65.5	281.893	270.378	258.822	250.374	245.627	244.354	245.045	246.113	247.838	249.951
66.0	273.976	262.524	251.134	242.869	238.699	238.105	238.659	239.738	241.315	243.154
66.5	266.550	255.087	243.891	235.917	231.919	231.547	232.273	233.661	234.969	236.631
67.0	259.433	247.969	237.145	229.228	225.630	225.356	226.207	227.526	228.988	230.348
67.5	252.179	240.869	229.982	222.757	219.444	219.347	220.323	221.551	222.854	224.099
68.0	245.439	234.169	223.368	216.188	213.275	213.737	214.594	215.742	216.942	217.924
68.5	239.019	227.852	217.142	210.127	207.311	207.957	209.053	210.350	211.395	212.201
69.0	232.770	221.500	211.133	204.164	201.754	202.422	203.444	204.787	205.935	206.535
69.5	226.504	215.268	204.798	198.309	196.184	196.938	198.069	199.355	200.383	200.948
70.0	220.540	209.425	199.075	192.449	190.678	191.860	192.849	193.928	194.916	195.499
70.5	214.777	203.861	193.580	187.205	185.509	186.634	187.828	188.987	189.827	190.210
71.0	209.179	198.372	188.273	182.030	180.602	181.704	182.795	183.949	184.817	185.257
71.5	203.633	192.854	182.893	176.912	175.747	176.923	177.832	178.997	179.814	180.322
72.0	198.286	187.685	177.980	171.965	171.000	172.223	173.102	174.176	174.879	175.461
72.5	192.934	182.675	173.016	167.316	166.402	167.430	168.310	169.372	170.041	170.680
73.0	187.679	177.626	168.287	162.706	161.827	162.843	163.546	164.471	165.345	165.934
73.5	182.464	172.657	163.512	158.211	157.320	158.251	158.839	159.713	160.604	161.313
74.0	177.415	167.893	159.119	153.818	152.927	153.750	154.224	155.012	155.795	156.749
74.5	172.428	163.215	154.750	149.632	148.563	149.003	149.466	150.191	151.060	152.225
75.0	167.276	158.457	150.357	145.433	144.108	144.485	144.668	145.228	146.221	147.507
75.5	162.249	153.756	145.913	141.041	139.636	139.676	139.881	140.395	141.338	142.697
76.0	157.257	149.112	141.749	136.860	135.009	134.837	134.992	135.483	136.431	137.893
76.5	152.208	144.445	137.499	132.541	130.542	130.005	130.114	130.599	131.542	133.158
77.0	147.181	139.647	133.124	128.194	125.801	125.310	125.247	125.710	126.686	128.354
77.5	142.086	134.929	128.651	123.750	120.900	120.318	120.335	120.689	121.666	123.282
78.0	137.134	130.234	124.373	119.255	116.222	115.371	115.382	115.634	116.690	118.318
78.5	132.667	125.390	119.866	114.691	111.584	110.510	110.350	110.727	111.778	113.429
79.0	126.961	120.403	115.114	109.916	106.557	105.506	105.352	105.689	106.752	108.585
79.5	121.906	115.525	110.367	105.044	101.491	100.314	100.143	100.486	101.559	103.250
80.0	116.736	110.567	105.461	99.949	96.419	95.122	94.933	95.288	96.339	97.967
80.5	111.618	105.501	100.114	94.859	91.341	89.930	89.724	90.090	91.118	92.689
81.0	106.552	100.091	94.768	89.770	86.268	84.732	84.520	84.892	85.897	87.405
81.5	101.474	94.682	89.421	84.675	81.190	79.528	79.311	79.688	80.671	82.121
82.0	96.036	89.273	84.075	79.574	75.838	74.136	73.936	74.359	75.250	76.838

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CANDELA TABULATION - (Cont.)

82.5	90.598	83.864	78.717	73.959	70.383	68.812	68.481	68.812	69.806	71.251
83.0	85.160	78.449	72.874	68.293	64.660	63.175	62.855	63.186	64.191	65.905
83.5	79.717	72.845	67.070	62.398	59.159	57.583	57.183	57.600	58.422	59.953
84.0	74.079	66.888	61.250	56.629	53.556	52.173	51.619	52.076	52.927	54.355
84.5	68.258	60.958	55.149	50.643	47.809	46.530	45.993	46.479	47.335	48.752
85.0	61.884	54.767	48.775	44.634	41.823	40.789	40.287	40.652	41.658	43.177
85.5	55.578	48.689	42.652	38.499	36.146	35.226	34.763	35.180	36.100	37.305
86.0	48.986	42.223	36.431	32.473	30.451	29.805	29.308	29.885	30.565	31.970
86.5	42.263	35.860	30.176	26.606	24.859	24.293	23.830	24.476	25.127	26.521
87.0	35.603	29.257	24.145	22.231	20.243	19.758	19.432	19.952	20.540	21.300
87.5	28.783	23.522	19.438	17.856	15.628	15.222	15.028	15.434	15.948	17.142
88.0	23.105	17.781	14.731	13.480	11.013	10.681	10.630	10.916	11.361	12.989
88.5	17.433	12.047	10.025	9.111	6.397	6.146	6.232	6.392	6.769	8.836
89.0	11.755	6.312	5.318	4.735	1.885	1.776	1.845	1.919	2.296	4.678
89.5	6.078	0.937	0.663	0.503	0.411	0.308	0.337	0.360	0.520	0.605
90.0	0.743	0.725	0.554	0.423	0.291	0.211	0.200	0.200	0.200	0.228
90.5	0.708	0.743	0.571	0.434	0.297	0.217	0.200	0.200	0.206	0.234
91.0	0.697	0.748	0.577	0.440	0.303	0.223	0.206	0.211	0.211	0.246
91.5	0.697	0.737	0.577	0.440	0.303	0.228	0.217	0.223	0.228	0.263
92.0	0.720	0.725	0.577	0.446	0.314	0.240	0.223	0.228	0.234	0.274
92.5	0.725	0.765	0.617	0.451	0.326	0.251	0.234	0.240	0.246	0.286
93.0	0.783	0.743	0.611	0.468	0.331	0.257	0.240	0.240	0.246	0.286
93.5	0.805	0.777	0.588	0.457	0.343	0.263	0.240	0.240	0.246	0.286
94.0	0.857	0.800	0.611	0.457	0.337	0.263	0.240	0.240	0.246	0.291
94.5	0.891	0.800	0.634	0.468	0.337	0.263	0.246	0.246	0.251	0.291
95.0	0.908	0.794	0.657	0.480	0.343	0.268	0.246	0.246	0.251	0.297
95.5	0.920	0.794	0.645	0.491	0.348	0.268	0.251	0.251	0.257	0.291
96.0	0.920	0.805	0.640	0.491	0.354	0.268	0.251	0.257	0.257	0.291
96.5	0.931	0.823	0.634	0.486	0.360	0.274	0.257	0.257	0.263	0.297
97.0	0.948	0.851	0.623	0.480	0.360	0.280	0.257	0.257	0.263	0.297
97.5	0.942	0.874	0.617	0.474	0.366	0.280	0.263	0.263	0.268	0.297
98.0	0.942	0.857	0.623	0.468	0.366	0.286	0.263	0.263	0.268	0.303
98.5	0.937	0.857	0.640	0.468	0.366	0.286	0.268	0.268	0.274	0.303
99.0	0.925	0.857	0.657	0.468	0.366	0.291	0.274	0.274	0.274	0.308
99.5	0.908	0.851	0.668	0.468	0.371	0.291	0.274	0.274	0.280	0.308
100.0	0.902	0.845	0.680	0.480	0.371	0.297	0.280	0.280	0.280	0.308
100.5	0.897	0.840	0.674	0.486	0.371	0.303	0.280	0.280	0.286	0.314
101.0	0.891	0.851	0.668	0.497	0.377	0.308	0.286	0.286	0.286	0.320
101.5	0.897	0.868	0.657	0.503	0.383	0.308	0.291	0.291	0.291	0.320
102.0	0.891	0.868	0.651	0.503	0.388	0.314	0.291	0.291	0.297	0.326
102.5	0.885	0.845	0.651	0.497	0.400	0.320	0.297	0.297	0.303	0.337
103.0	0.874	0.823	0.657	0.497	0.406	0.326	0.308	0.308	0.308	0.343
103.5	0.863	0.817	0.663	0.497	0.406	0.337	0.314	0.314	0.314	0.348
104.0	0.851	0.811	0.668	0.497	0.411	0.343	0.320	0.320	0.320	0.354
104.5	0.840	0.811	0.674	0.497	0.411	0.343	0.326	0.326	0.326	0.354
105.0	0.828	0.800	0.674	0.503	0.411	0.348	0.331	0.331	0.331	0.354
105.5	0.823	0.800	0.663	0.503	0.411	0.348	0.331	0.331	0.331	0.360
106.0	0.823	0.800	0.645	0.503	0.417	0.348	0.331	0.337	0.331	0.360
106.5	0.823	0.794	0.628	0.503	0.417	0.348	0.331	0.337	0.331	0.360
107.0	0.823	0.771	0.617	0.497	0.417	0.348	0.337	0.337	0.331	0.360
107.5	0.828	0.754	0.611	0.497	0.411	0.343	0.337	0.337	0.331	0.360
108.0	0.828	0.737	0.611	0.491	0.411	0.343	0.337	0.337	0.331	0.360
108.5	0.817	0.725	0.617	0.486	0.411	0.343	0.331	0.337	0.331	0.354
109.0	0.811	0.708	0.617	0.480	0.411	0.343	0.331	0.331	0.331	0.354
109.5	0.800	0.697	0.611	0.480	0.406	0.343	0.331	0.331	0.331	0.354
110.0	0.783	0.691	0.605	0.474	0.406	0.343	0.331	0.331	0.331	0.348

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110.5	0.771	0.685	0.594	0.468	0.406	0.343	0.331	0.331	0.326	0.348
111.0	0.765	0.674	0.583	0.468	0.400	0.343	0.326	0.326	0.326	0.343
111.5	0.743	0.657	0.577	0.468	0.394	0.337	0.326	0.326	0.326	0.343
112.0	0.725	0.651	0.565	0.468	0.388	0.337	0.320	0.326	0.320	0.337
112.5	0.708	0.640	0.554	0.457	0.388	0.337	0.320	0.320	0.320	0.337
113.0	0.703	0.628	0.543	0.451	0.383	0.331	0.314	0.320	0.320	0.337
113.5	0.680	0.628	0.537	0.446	0.377	0.331	0.314	0.314	0.314	0.331
114.0	0.668	0.617	0.526	0.440	0.377	0.326	0.308	0.314	0.314	0.331
114.5	0.657	0.605	0.526	0.428	0.377	0.326	0.308	0.308	0.308	0.326
115.0	0.651	0.600	0.520	0.423	0.366	0.326	0.308	0.308	0.308	0.320
115.5	0.640	0.594	0.514	0.417	0.360	0.320	0.303	0.303	0.303	0.320
116.0	0.634	0.577	0.503	0.411	0.354	0.320	0.303	0.303	0.303	0.314
116.5	0.634	0.571	0.497	0.406	0.348	0.314	0.303	0.297	0.303	0.308
117.0	0.628	0.560	0.486	0.400	0.348	0.314	0.297	0.297	0.297	0.308
117.5	0.617	0.554	0.486	0.394	0.343	0.308	0.297	0.291	0.297	0.308
118.0	0.611	0.548	0.480	0.388	0.337	0.308	0.291	0.291	0.291	0.308
118.5	0.611	0.543	0.480	0.388	0.337	0.303	0.291	0.286	0.291	0.303
119.0	0.605	0.543	0.474	0.383	0.331	0.297	0.286	0.286	0.286	0.303
119.5	0.611	0.537	0.474	0.371	0.331	0.297	0.286	0.280	0.286	0.297
120.0	0.611	0.543	0.474	0.371	0.326	0.291	0.280	0.280	0.280	0.297
120.5	0.605	0.548	0.468	0.366	0.320	0.291	0.280	0.274	0.280	0.297
121.0	0.600	0.548	0.468	0.360	0.320	0.291	0.274	0.268	0.274	0.297
121.5	0.600	0.548	0.463	0.360	0.314	0.286	0.274	0.268	0.274	0.297
122.0	0.600	0.543	0.468	0.366	0.314	0.286	0.268	0.268	0.274	0.297
122.5	0.600	0.543	0.463	0.366	0.314	0.286	0.268	0.263	0.274	0.297
123.0	0.594	0.543	0.463	0.366	0.314	0.291	0.268	0.263	0.268	0.297
123.5	0.594	0.543	0.457	0.366	0.314	0.286	0.274	0.263	0.268	0.297
124.0	0.588	0.543	0.457	0.366	0.314	0.291	0.274	0.263	0.274	0.297
124.5	0.588	0.548	0.457	0.366	0.314	0.291	0.274	0.268	0.274	0.297
125.0	0.588	0.548	0.463	0.377	0.320	0.291	0.280	0.274	0.274	0.303
125.5	0.594	0.554	0.468	0.371	0.320	0.297	0.280	0.274	0.274	0.303
126.0	0.588	0.548	0.474	0.371	0.326	0.297	0.286	0.280	0.280	0.314
126.5	0.594	0.554	0.480	0.371	0.326	0.303	0.291	0.286	0.286	0.308
127.0	0.588	0.548	0.480	0.371	0.331	0.303	0.297	0.291	0.286	0.308
127.5	0.577	0.554	0.480	0.371	0.331	0.308	0.297	0.291	0.291	0.314
128.0	0.594	0.554	0.480	0.371	0.331	0.314	0.303	0.297	0.297	0.320
128.5	0.594	0.548	0.474	0.371	0.331	0.320	0.308	0.303	0.303	0.320
129.0	0.600	0.554	0.474	0.377	0.331	0.326	0.314	0.308	0.308	0.326
129.5	0.594	0.554	0.474	0.388	0.337	0.331	0.320	0.320	0.314	0.331
130.0	0.577	0.548	0.474	0.394	0.337	0.337	0.326	0.326	0.320	0.337
130.5	0.577	0.543	0.480	0.400	0.343	0.343	0.331	0.331	0.326	0.337
131.0	0.583	0.531	0.480	0.406	0.348	0.348	0.337	0.337	0.331	0.343
131.5	0.577	0.543	0.480	0.406	0.360	0.354	0.348	0.343	0.337	0.348
132.0	0.577	0.543	0.486	0.411	0.371	0.354	0.354	0.348	0.343	0.348
132.5	0.588	0.537	0.480	0.411	0.377	0.360	0.354	0.354	0.348	0.354
133.0	0.577	0.548	0.480	0.417	0.388	0.366	0.360	0.360	0.348	0.360
133.5	0.571	0.548	0.486	0.423	0.394	0.371	0.366	0.366	0.354	0.366
134.0	0.577	0.543	0.486	0.428	0.400	0.377	0.371	0.371	0.360	0.377
134.5	0.571	0.543	0.486	0.434	0.406	0.388	0.377	0.371	0.366	0.383
135.0	0.571	0.543	0.486	0.434	0.417	0.394	0.383	0.377	0.377	0.388
135.5	0.571	0.543	0.474	0.440	0.428	0.400	0.394	0.383	0.383	0.388
136.0	0.571	0.543	0.468	0.446	0.428	0.406	0.400	0.394	0.388	0.394
136.5	0.560	0.543	0.468	0.451	0.428	0.411	0.411	0.400	0.394	0.406
137.0	0.565	0.543	0.468	0.451	0.434	0.417	0.417	0.406	0.400	0.411
137.5	0.577	0.543	0.457	0.457	0.440	0.423	0.423	0.411	0.406	0.411
138.0	0.571	0.537	0.446	0.457	0.440	0.428	0.428	0.423	0.411	0.423

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138.5	0.571	0.531	0.446	0.457	0.446	0.428	0.434	0.428	0.417	0.428
139.0	0.577	0.520	0.457	0.463	0.446	0.440	0.440	0.434	0.417	0.428
139.5	0.577	0.514	0.451	0.463	0.451	0.440	0.440	0.434	0.423	0.428
140.0	0.571	0.514	0.457	0.457	0.457	0.446	0.446	0.446	0.428	0.434
140.5	0.571	0.508	0.468	0.446	0.463	0.451	0.451	0.451	0.428	0.440
141.0	0.565	0.514	0.474	0.446	0.463	0.451	0.457	0.457	0.434	0.440
141.5	0.565	0.514	0.480	0.451	0.468	0.457	0.457	0.457	0.440	0.446
142.0	0.554	0.503	0.491	0.463	0.474	0.463	0.463	0.463	0.446	0.446
142.5	0.554	0.497	0.503	0.468	0.480	0.463	0.463	0.463	0.446	0.446
143.0	0.554	0.497	0.508	0.480	0.468	0.468	0.468	0.468	0.451	0.451
143.5	0.537	0.491	0.508	0.486	0.468	0.468	0.468	0.474	0.457	0.451
144.0	0.537	0.491	0.508	0.491	0.468	0.474	0.474	0.474	0.463	0.446
144.5	0.543	0.497	0.503	0.491	0.468	0.474	0.480	0.480	0.463	0.440
145.0	0.526	0.508	0.508	0.497	0.468	0.468	0.486	0.486	0.463	0.440
145.5	0.514	0.508	0.508	0.503	0.474	0.468	0.486	0.486	0.451	0.434
146.0	0.514	0.508	0.508	0.514	0.474	0.468	0.474	0.480	0.451	0.434
146.5	0.514	0.514	0.503	0.531	0.480	0.468	0.474	0.480	0.446	0.434
147.0	0.520	0.520	0.503	0.526	0.480	0.468	0.474	0.480	0.440	0.434
147.5	0.520	0.526	0.503	0.520	0.480	0.474	0.480	0.486	0.434	0.434
148.0	0.531	0.526	0.503	0.520	0.486	0.480	0.480	0.480	0.434	0.434
148.5	0.531	0.526	0.514	0.514	0.491	0.480	0.486	0.480	0.434	0.434
149.0	0.531	0.531	0.526	0.514	0.491	0.480	0.486	0.480	0.434	0.434
149.5	0.537	0.526	0.537	0.514	0.497	0.480	0.486	0.474	0.434	0.440
150.0	0.537	0.526	0.537	0.514	0.503	0.491	0.480	0.463	0.434	0.440
150.5	0.531	0.514	0.531	0.514	0.497	0.497	0.480	0.463	0.440	0.446
151.0	0.537	0.514	0.531	0.520	0.491	0.514	0.480	0.457	0.451	0.446
151.5	0.537	0.520	0.531	0.520	0.486	0.531	0.486	0.463	0.457	0.451
152.0	0.543	0.520	0.537	0.514	0.486	0.543	0.491	0.468	0.463	0.451
152.5	0.537	0.520	0.548	0.514	0.491	0.543	0.491	0.468	0.468	0.451
153.0	0.537	0.526	0.554	0.520	0.491	0.531	0.491	0.474	0.468	0.457
153.5	0.543	0.526	0.537	0.520	0.497	0.531	0.486	0.474	0.468	0.457
154.0	0.543	0.526	0.531	0.520	0.497	0.520	0.480	0.474	0.468	0.463
154.5	0.548	0.526	0.531	0.520	0.497	0.508	0.480	0.474	0.474	0.463
155.0	0.554	0.526	0.543	0.520	0.503	0.508	0.486	0.480	0.480	0.463
155.5	0.560	0.526	0.560	0.520	0.508	0.503	0.486	0.480	0.480	0.463
156.0	0.560	0.526	0.560	0.520	0.508	0.497	0.486	0.486	0.480	0.468
156.5	0.560	0.526	0.543	0.520	0.508	0.503	0.480	0.480	0.480	0.474
157.0	0.565	0.526	0.531	0.526	0.514	0.503	0.486	0.474	0.480	0.480
157.5	0.571	0.531	0.526	0.531	0.514	0.503	0.491	0.480	0.486	0.486
158.0	0.571	0.531	0.526	0.537	0.514	0.503	0.491	0.480	0.486	0.486
158.5	0.565	0.537	0.531	0.537	0.520	0.503	0.491	0.480	0.491	0.491
159.0	0.560	0.543	0.531	0.537	0.520	0.508	0.491	0.480	0.491	0.491
159.5	0.554	0.554	0.526	0.537	0.526	0.514	0.497	0.480	0.497	0.497
160.0	0.554	0.565	0.526	0.537	0.526	0.520	0.497	0.480	0.497	0.503
160.5	0.560	0.571	0.531	0.537	0.531	0.520	0.503	0.486	0.503	0.503
161.0	0.571	0.565	0.531	0.537	0.531	0.514	0.508	0.491	0.503	0.503
161.5	0.571	0.560	0.543	0.537	0.526	0.520	0.508	0.497	0.503	0.503
162.0	0.565	0.560	0.548	0.537	0.526	0.526	0.508	0.497	0.503	0.503
162.5	0.560	0.560	0.554	0.537	0.526	0.526	0.514	0.497	0.497	0.497
163.0	0.554	0.565	0.565	0.543	0.531	0.526	0.514	0.503	0.497	0.491
163.5	0.548	0.571	0.571	0.543	0.531	0.531	0.508	0.503	0.491	0.486
164.0	0.548	0.571	0.571	0.548	0.537	0.531	0.508	0.508	0.491	0.486
164.5	0.554	0.571	0.577	0.560	0.543	0.537	0.514	0.531	0.491	0.486
165.0	0.565	0.571	0.577	0.571	0.548	0.543	0.520	0.543	0.491	0.491
165.5	0.571	0.577	0.588	0.583	0.560	0.543	0.520	0.531	0.497	0.491
166.0	0.583	0.583	0.600	0.594	0.571	0.548	0.526	0.526	0.503	0.497

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166.5	0.588	0.588	0.611	0.605	0.577	0.560	0.531	0.520	0.508	0.491
167.0	0.594	0.594	0.623	0.611	0.588	0.565	0.537	0.520	0.514	0.497
167.5	0.600	0.600	0.623	0.617	0.600	0.577	0.548	0.526	0.514	0.508
168.0	0.605	0.605	0.628	0.628	0.605	0.588	0.554	0.537	0.520	0.520
168.5	0.605	0.611	0.634	0.640	0.611	0.600	0.565	0.548	0.531	0.526
169.0	0.605	0.617	0.634	0.645	0.617	0.605	0.577	0.560	0.543	0.531
169.5	0.611	0.617	0.634	0.645	0.628	0.611	0.588	0.583	0.560	0.537
170.0	0.611	0.623	0.634	0.645	0.640	0.623	0.594	0.600	0.571	0.554
170.5	0.623	0.634	0.634	0.645	0.645	0.628	0.605	0.605	0.571	0.577
171.0	0.628	0.640	0.634	0.645	0.645	0.628	0.611	0.600	0.577	0.588
171.5	0.640	0.645	0.640	0.645	0.645	0.634	0.611	0.577	0.583	0.588
172.0	0.645	0.645	0.640	0.640	0.645	0.634	0.605	0.571	0.594	0.594
172.5	0.651	0.645	0.640	0.640	0.640	0.628	0.605	0.577	0.588	0.594
173.0	0.651	0.645	0.645	0.645	0.640	0.628	0.605	0.577	0.583	0.600
173.5	0.651	0.651	0.645	0.645	0.640	0.628	0.600	0.583	0.588	0.611
174.0	0.657	0.651	0.651	0.651	0.645	0.628	0.605	0.577	0.588	0.617
174.5	0.657	0.657	0.651	0.651	0.651	0.634	0.605	0.583	0.577	0.623
175.0	0.657	0.657	0.651	0.651	0.657	0.640	0.611	0.588	0.577	0.628
175.5	0.657	0.657	0.651	0.651	0.657	0.645	0.617	0.588	0.583	0.623
176.0	0.657	0.657	0.651	0.651	0.657	0.651	0.617	0.588	0.583	0.617
176.5	0.657	0.657	0.657	0.651	0.657	0.651	0.617	0.588	0.588	0.611
177.0	0.657	0.657	0.657	0.651	0.651	0.651	0.617	0.588	0.600	0.617
177.5	0.651	0.657	0.651	0.651	0.651	0.651	0.617	0.594	0.611	0.617
178.0	0.651	0.657	0.651	0.645	0.645	0.657	0.623	0.600	0.617	0.617
178.5	0.651	0.657	0.651	0.645	0.645	0.657	0.628	0.605	0.623	0.611
179.0	0.657	0.657	0.651	0.651	0.645	0.657	0.628	0.605	0.628	0.600
179.5	0.657	0.657	0.651	0.651	0.645	0.657	0.628	0.611	0.628	0.600
180.0	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651

Vert. Horizontal Angles
Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0.0	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133	1211.133
0.5	1211.133	1211.258	1211.258	1211.264	1211.258	1211.395	1211.270
1.0	1210.995	1210.990	1211.258	1211.390	1211.395	1211.532	1211.527
1.5	1210.584	1210.841	1211.235	1211.258	1211.390	1211.652	1211.412
2.0	1210.030	1210.287	1210.687	1210.984	1211.247	1211.510	1211.407
2.5	1209.487	1209.745	1210.150	1210.710	1210.967	1211.241	1211.281
3.0	1208.933	1209.196	1209.636	1210.293	1210.556	1210.961	1211.144
3.5	1208.117	1208.551	1209.088	1209.619	1210.036	1210.573	1210.618
4.0	1207.351	1207.608	1208.408	1208.939	1209.362	1209.887	1209.933
4.5	1206.403	1206.791	1207.454	1208.265	1208.676	1209.076	1209.419
5.0	1205.443	1205.837	1206.489	1207.563	1207.985	1208.379	1208.871
5.5	1204.198	1204.872	1205.461	1206.660	1207.146	1207.471	1207.934
6.0	1202.970	1203.758	1204.507	1205.443	1206.123	1206.517	1207.111
6.5	1201.468	1202.353	1203.273	1204.352	1205.038	1205.563	1206.169
7.0	1199.926	1200.851	1202.033	1203.124	1203.935	1204.604	1205.341
7.5	1198.440	1199.366	1200.674	1202.022	1202.724	1203.501	1204.449
8.0	1196.664	1197.721	1199.143	1200.491	1201.365	1202.136	1203.239
8.5	1194.745	1196.047	1197.349	1198.823	1199.988	1200.857	1201.885
9.0	1192.797	1194.271	1195.562	1197.167	1198.480	1199.474	1200.508
9.5	1190.632	1192.340	1193.922	1195.522	1196.715	1197.972	1199.035
10.0	1188.593	1190.038	1192.037	1193.739	1194.968	1196.236	1197.527
10.5	1186.262	1187.982	1190.112	1191.797	1193.305	1194.711	1196.024
11.0	1183.835	1185.954	1187.942	1189.787	1191.420	1192.826	1194.482
11.5	1181.373	1183.589	1185.743	1187.856	1189.513	1190.918	1192.323

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12.0	1178.734	1181.145	1183.298	1185.651	1187.708	1189.124	1190.409
12.5	1176.044	1178.408	1180.990	1183.464	1185.514	1187.085	1188.370
13.0	1173.199	1175.541	1178.523	1181.173	1183.332	1184.892	1186.200
13.5	1170.343	1172.577	1175.695	1178.734	1181.030	1182.595	1184.160
14.0	1167.184	1169.686	1173.073	1176.164	1178.437	1180.402	1181.864
14.5	1163.911	1166.699	1170.075	1173.313	1175.838	1178.191	1179.402
15.0	1160.753	1163.626	1167.133	1170.594	1172.936	1175.187	1176.798
15.5	1157.211	1160.467	1164.220	1167.710	1170.235	1172.611	1174.102
16.0	1154.007	1157.080	1160.810	1164.585	1167.219	1169.749	1171.109
16.5	1150.340	1153.784	1157.394	1161.467	1164.323	1167.264	1168.378
17.0	1146.667	1149.991	1153.927	1158.308	1161.061	1163.997	1165.294
17.5	1142.554	1146.416	1150.363	1154.852	1157.748	1160.764	1161.958
18.0	1138.579	1142.674	1147.084	1151.305	1154.424	1157.371	1158.679
18.5	1134.609	1138.453	1142.960	1147.484	1151.105	1154.053	1155.960
19.0	1130.348	1134.363	1139.093	1143.617	1147.547	1150.488	1152.636
19.5	1125.584	1130.405	1134.860	1139.693	1143.742	1147.015	1149.043
20.0	1121.237	1126.406	1131.079	1135.991	1139.904	1143.354	1145.610
20.5	1116.856	1121.648	1127.103	1132.021	1135.791	1139.521	1141.932
21.0	1112.178	1116.964	1122.362	1127.560	1131.810	1135.254	1137.945
21.5	1107.403	1112.549	1117.747	1123.151	1127.663	1131.250	1133.832
22.0	1102.570	1107.620	1113.394	1118.524	1123.368	1126.995	1129.605
22.5	1097.789	1102.839	1108.694	1114.103	1118.895	1122.688	1125.401
23.0	1092.734	1098.058	1103.810	1109.447	1114.383	1118.227	1120.803
23.5	1087.279	1093.100	1098.897	1104.404	1109.602	1113.600	1116.142
24.0	1081.944	1087.725	1093.905	1099.629	1104.707	1109.116	1111.475
24.5	1076.255	1082.070	1088.227	1094.625	1100.177	1103.890	1106.654
25.0	1070.600	1076.552	1082.778	1089.376	1094.853	1099.069	1101.633
25.5	1064.894	1071.097	1077.500	1083.624	1089.535	1093.934	1096.898
26.0	1058.993	1064.974	1071.851	1078.134	1084.200	1088.582	1091.615
26.5	1053.036	1059.182	1065.802	1072.759	1078.551	1083.189	1086.165
27.0	1046.536	1052.944	1059.565	1066.790	1072.725	1077.369	1080.545
27.5	1040.384	1046.787	1053.299	1060.947	1067.007	1071.771	1074.953
28.0	1033.946	1040.424	1047.152	1054.664	1060.941	1065.899	1068.955
28.5	1027.183	1033.644	1040.766	1048.278	1054.469	1059.622	1062.746
29.0	1020.180	1027.126	1033.855	1041.669	1048.106	1053.253	1056.606
29.5	1013.434	1020.472	1027.212	1035.152	1041.595	1047.004	1050.043
30.0	1006.512	1013.480	1020.717	1028.486	1035.380	1040.504	1043.457
30.5	999.143	1006.083	1013.617	1021.500	1028.149	1033.415	1036.699
31.0	991.809	999.017	1006.386	1014.120	1021.094	1026.418	1029.794
31.5	984.246	991.632	999.137	1007.077	1013.949	1019.421	1022.894
32.0	976.375	983.886	991.592	999.789	1006.569	1012.052	1015.754
32.5	968.441	976.021	983.858	992.437	999.000	1004.592	1008.442
33.0	960.221	968.213	976.221	984.303	991.283	997.338	1000.645
33.5	952.173	960.381	968.647	976.432	983.589	989.376	992.786
34.0	943.600	951.871	960.279	968.498	975.398	981.276	985.177
34.5	934.729	943.074	951.933	960.182	967.127	973.051	977.009
35.0	925.864	934.980	943.194	951.402	958.953	964.997	969.132
35.5	917.113	926.127	934.729	942.811	950.237	956.903	960.861
36.0	907.917	916.787	926.007	934.340	941.795	948.695	952.230
36.5	898.372	907.597	916.947	925.275	932.924	939.567	943.662
37.0	888.901	898.520	907.797	916.005	924.099	930.730	934.815
37.5	879.288	888.981	898.338	906.849	914.931	921.534	925.635
38.0	869.087	879.157	888.947	897.458	905.603	912.955	916.719
38.5	859.102	869.549	878.974	887.930	896.344	903.296	907.374
39.0	848.729	859.845	869.469	878.169	886.794	893.608	897.698
39.5	838.356	850.797	859.679	868.658	877.352	883.875	887.828

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CANDELA TABULATION - (Cont.)

40.0	827.989	840.224	849.506	858.833	867.253	874.827	878.563
40.5	817.616	829.651	839.327	848.592	857.651	864.677	868.538
41.0	807.163	819.078	829.148	838.350	847.255	854.595	858.251
41.5	795.505	808.499	818.969	828.109	836.859	844.228	848.261
42.0	783.858	796.761	808.779	817.873	826.464	833.866	837.842
42.5	772.434	785.966	797.327	807.620	816.068	823.499	827.240
43.0	760.964	774.576	786.765	796.824	805.672	813.137	816.862
43.5	749.026	762.940	775.027	785.806	795.002	802.725	805.381
44.0	736.711	751.602	763.677	774.347	783.955	791.403	794.579
44.5	724.796	740.064	752.345	762.963	772.411	780.276	783.281
45.0	712.549	727.989	741.006	751.648	761.078	769.184	772.274
45.5	700.160	716.216	729.262	740.372	749.746	757.794	760.176
46.0	687.868	704.707	717.616	728.766	738.333	746.336	749.157
46.5	675.867	692.951	705.940	716.873	727.098	734.478	737.225
47.0	662.409	680.551	694.454	705.066	714.526	722.899	725.218
47.5	649.266	668.127	682.036	693.248	702.804	710.767	713.275
48.0	636.157	656.560	670.383	681.310	690.998	698.795	701.405
48.5	623.379	644.348	658.691	669.281	679.368	686.754	689.067
49.0	609.727	631.536	646.833	657.531	666.916	674.507	677.163
49.5	596.247	619.049	634.495	645.616	654.812	662.272	664.117
50.0	583.007	607.089	622.642	633.638	642.577	650.094	651.813
50.5	569.738	595.636	610.727	621.671	630.879	637.648	639.264
51.0	556.292	581.316	598.560	610.047	618.113	625.001	626.983
51.5	542.891	568.710	586.508	597.561	606.277	612.675	613.543
52.0	529.959	555.589	574.256	585.908	594.157	600.377	601.668
52.5	516.942	542.503	562.386	574.010	581.819	588.073	589.267
53.0	504.095	529.411	550.077	562.466	569.475	575.621	576.112
53.5	491.289	516.959	538.242	549.889	557.668	563.266	563.386
54.0	478.888	504.038	525.767	538.316	545.816	550.968	551.202
54.5	466.311	491.049	513.160	526.184	533.706	538.670	538.739
55.0	454.344	478.369	500.805	514.348	521.808	526.544	526.578
55.5	442.583	466.242	488.964	502.570	510.139	514.731	513.977
56.0	431.627	453.938	476.735	490.895	498.423	502.862	501.685
56.5	420.032	441.452	464.317	478.854	486.417	490.598	489.724
57.0	408.779	429.577	451.716	467.099	474.976	478.991	478.037
57.5	398.783	418.478	440.361	455.423	463.409	467.619	466.373
58.0	388.125	409.168	428.149	443.880	451.916	455.863	454.572
58.5	376.586	397.344	416.616	432.633	440.755	444.639	443.234
59.0	366.345	384.766	405.261	421.106	429.857	433.524	432.233
59.5	356.377	373.588	396.396	409.847	418.850	422.745	421.123
60.0	346.610	362.986	384.406	398.789	407.865	411.630	410.270
60.5	337.019	352.430	371.640	387.913	397.041	401.040	400.200
61.0	327.897	342.423	360.410	377.980	386.571	390.729	390.204
61.5	319.164	332.907	350.214	366.688	376.278	380.556	380.208
62.0	310.179	323.613	340.155	356.286	366.345	370.532	370.206
62.5	301.388	313.743	330.011	346.079	356.395	360.964	360.210
63.0	293.186	305.752	320.209	336.128	346.678	351.168	350.214
63.5	285.252	297.207	312.349	326.652	337.231	341.857	340.858
64.0	277.118	289.101	305.124	317.067	327.983	332.770	331.656
64.5	269.241	278.974	292.934	308.785	318.964	323.682	323.014
65.0	261.861	271.274	284.229	301.868	310.236	315.091	314.423
65.5	254.704	263.335	275.758	290.958	301.622	306.660	305.918
66.0	247.347	255.801	267.550	282.224	293.305	298.515	297.704
66.5	240.435	247.964	259.799	274.027	285.309	290.461	289.850
67.0	233.638	241.104	253.944	266.191	277.529	282.641	282.173
67.5	226.978	233.969	245.051	259.816	269.983	275.233	274.542

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68.0	220.523	227.298	237.642	253.259	262.689	267.876	267.264
68.5	214.623	220.409	230.833	244.239	255.458	260.816	260.336
69.0	208.414	214.286	224.299	237.322	248.592	253.796	253.447
69.5	202.433	207.785	217.861	230.696	241.920	247.113	246.661
70.0	196.601	201.656	212.669	226.778	235.272	240.498	240.241
70.5	191.432	195.967	205.444	219.044	228.903	234.146	233.975
71.0	186.131	190.558	199.726	211.972	222.894	228.080	228.012
71.5	180.893	184.977	194.157	206.266	216.793	222.083	222.123
72.0	175.895	179.665	188.616	203.067	210.887	216.125	216.211
72.5	171.309	174.684	183.298	194.911	205.169	210.413	210.527
73.0	166.471	169.829	178.123	189.256	199.423	204.775	205.021
73.5	161.867	164.848	172.999	184.361	193.825	199.235	199.669
74.0	157.291	160.233	168.058	179.151	190.164	193.728	194.305
74.5	152.984	155.818	163.318	173.565	182.761	188.405	189.016
75.0	148.398	151.317	158.559	168.932	178.346	183.104	183.687
75.5	143.931	146.667	153.756	163.272	172.091	177.820	178.483
76.0	139.333	142.297	149.060	158.165	166.859	172.571	173.376
76.5	134.906	137.973	144.411	153.202	161.987	167.270	168.201
77.0	130.074	133.489	139.750	147.941	156.292	161.981	162.775
77.5	125.247	128.943	135.037	142.954	150.957	156.709	157.508
78.0	120.346	124.419	130.365	137.848	148.215	151.402	152.208
78.5	115.594	119.861	125.681	132.667	140.367	146.701	146.787
79.0	110.590	114.931	120.826	127.549	135.363	142.492	141.064
79.5	105.546	109.956	115.874	122.500	134.272	135.489	135.546
80.0	100.326	105.027	111.047	117.199	127.835	129.445	129.948
80.5	95.111	99.714	106.026	111.972	121.506	123.842	124.156
81.0	89.895	94.408	100.474	106.706	116.485	119.032	118.250
81.5	84.680	89.096	94.922	101.182	110.299	113.749	112.389
82.0	79.454	83.789	89.370	95.665	102.810	106.832	106.198
82.5	73.953	78.477	83.818	90.147	97.013	100.760	99.897
83.0	68.236	72.657	78.249	84.623	91.221	94.694	93.620
83.5	62.541	66.830	72.291	79.111	85.423	88.627	87.279
84.0	56.789	61.061	66.391	73.713	79.620	82.556	80.773
84.5	50.968	54.938	60.085	67.213	73.622	76.489	73.936
85.0	44.931	48.569	53.847	60.616	68.281	70.846	67.116
85.5	39.082	42.452	47.410	54.178	62.209	63.415	60.336
86.0	33.438	36.385	40.995	47.484	55.201	56.823	53.516
86.5	27.817	30.474	34.443	40.761	47.461	49.740	46.930
87.0	22.448	24.984	28.480	33.895	40.498	42.937	40.024
87.5	18.136	20.278	22.562	27.252	32.953	36.203	32.838
88.0	13.829	15.571	18.158	21.963	25.367	28.411	25.630
88.5	9.516	10.859	13.760	16.668	20.432	22.871	18.427
89.0	5.209	6.152	9.356	11.373	15.502	17.336	11.218
89.5	1.034	1.651	4.952	6.083	10.567	11.795	4.010
90.0	0.286	0.446	0.645	0.902	5.638	6.255	2.953
90.5	0.291	0.463	0.628	0.725	0.760	0.840	2.176
91.0	0.303	0.474	0.634	0.743	0.811	0.891	1.399
91.5	0.331	0.491	0.645	0.731	0.800	0.874	0.623
92.0	0.343	0.514	0.657	0.725	0.800	0.851	0.583
92.5	0.348	0.508	0.657	0.760	0.823	0.920	0.623
93.0	0.343	0.491	0.697	0.760	0.845	0.897	0.623
93.5	0.337	0.491	0.651	0.794	0.868	0.925	0.651
94.0	0.343	0.491	0.668	0.828	0.874	0.931	0.651
94.5	0.337	0.508	0.685	0.817	0.897	0.925	0.651
95.0	0.337	0.514	0.714	0.811	0.920	0.920	0.663
95.5	0.343	0.526	0.714	0.811	0.937	0.914	0.663

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CANDELA TABULATION - (Cont.)

96.0	0.348	0.537	0.708	0.834	0.960	0.914	0.674
96.5	0.360	0.537	0.697	0.851	0.965	0.931	0.691
97.0	0.360	0.537	0.685	0.868	0.965	0.937	0.697
97.5	0.360	0.531	0.691	0.891	0.954	0.925	0.691
98.0	0.360	0.526	0.691	0.880	0.954	0.925	0.680
98.5	0.354	0.520	0.703	0.874	0.960	0.920	0.668
99.0	0.354	0.520	0.731	0.868	0.965	0.937	0.657
99.5	0.354	0.526	0.748	0.863	0.971	0.942	0.651
100.0	0.354	0.537	0.743	0.863	0.971	0.925	0.645
100.5	0.360	0.554	0.731	0.863	0.977	0.925	0.645
101.0	0.371	0.548	0.725	0.863	0.965	0.937	0.645
101.5	0.383	0.554	0.714	0.857	0.960	0.948	0.651
102.0	0.388	0.554	0.708	0.840	0.954	0.954	0.651
102.5	0.394	0.548	0.703	0.817	0.960	0.960	0.657
103.0	0.394	0.543	0.703	0.805	0.965	0.965	0.663
103.5	0.400	0.543	0.708	0.800	0.982	0.942	0.668
104.0	0.400	0.548	0.708	0.800	0.982	0.925	0.685
104.5	0.400	0.543	0.708	0.805	0.988	0.914	0.691
105.0	0.400	0.543	0.714	0.811	0.971	0.902	0.697
105.5	0.400	0.543	0.714	0.805	0.960	0.902	0.697
106.0	0.400	0.543	0.697	0.794	0.954	0.908	0.697
106.5	0.400	0.543	0.680	0.777	0.948	0.908	0.697
107.0	0.400	0.543	0.663	0.754	0.925	0.891	0.691
107.5	0.406	0.537	0.651	0.737	0.908	0.868	0.685
108.0	0.406	0.531	0.645	0.725	0.885	0.851	0.674
108.5	0.400	0.526	0.645	0.714	0.868	0.828	0.657
109.0	0.400	0.520	0.651	0.703	0.845	0.805	0.640
109.5	0.394	0.508	0.640	0.685	0.823	0.783	0.634
110.0	0.394	0.508	0.628	0.674	0.811	0.771	0.634
110.5	0.394	0.503	0.617	0.663	0.788	0.754	0.634
111.0	0.388	0.503	0.605	0.651	0.777	0.737	0.628
111.5	0.383	0.497	0.594	0.640	0.765	0.720	0.623
112.0	0.383	0.497	0.583	0.634	0.748	0.708	0.617
112.5	0.377	0.491	0.577	0.623	0.737	0.691	0.611
113.0	0.377	0.486	0.565	0.617	0.731	0.685	0.600
113.5	0.377	0.486	0.560	0.611	0.720	0.674	0.605
114.0	0.371	0.474	0.554	0.600	0.703	0.663	0.611
114.5	0.371	0.468	0.543	0.588	0.685	0.663	0.611
115.0	0.366	0.463	0.537	0.588	0.674	0.657	0.617
115.5	0.360	0.463	0.526	0.577	0.657	0.645	0.617
116.0	0.354	0.457	0.520	0.571	0.645	0.634	0.617
116.5	0.354	0.451	0.514	0.560	0.645	0.634	0.623
117.0	0.348	0.446	0.508	0.560	0.634	0.634	0.623
117.5	0.343	0.440	0.503	0.554	0.623	0.628	0.623
118.0	0.337	0.434	0.497	0.548	0.611	0.628	0.617
118.5	0.337	0.428	0.497	0.554	0.605	0.617	0.623
119.0	0.331	0.423	0.491	0.560	0.600	0.611	0.617
119.5	0.326	0.417	0.491	0.554	0.588	0.617	0.611
120.0	0.326	0.417	0.486	0.548	0.588	0.611	0.617
120.5	0.314	0.411	0.486	0.543	0.577	0.611	0.617
121.0	0.314	0.411	0.486	0.543	0.577	0.617	0.605
121.5	0.314	0.411	0.480	0.543	0.577	0.617	0.617
122.0	0.314	0.411	0.480	0.543	0.577	0.611	0.611
122.5	0.314	0.406	0.474	0.543	0.571	0.617	0.611
123.0	0.314	0.406	0.474	0.537	0.571	0.611	0.605
123.5	0.314	0.400	0.474	0.537	0.577	0.611	0.600

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CANDELA TABULATION - (Cont.)

124.0	0.314	0.400	0.480	0.537	0.577	0.611	0.600
124.5	0.314	0.400	0.480	0.543	0.577	0.611	0.611
125.0	0.320	0.394	0.480	0.543	0.577	0.611	0.605
125.5	0.320	0.394	0.480	0.537	0.571	0.605	0.605
126.0	0.320	0.394	0.480	0.543	0.565	0.605	0.605
126.5	0.320	0.394	0.474	0.531	0.560	0.605	0.600
127.0	0.320	0.394	0.474	0.531	0.560	0.594	0.600
127.5	0.326	0.394	0.480	0.526	0.554	0.588	0.611
128.0	0.326	0.400	0.474	0.514	0.554	0.588	0.600
128.5	0.331	0.400	0.474	0.514	0.554	0.588	0.594
129.0	0.331	0.400	0.468	0.508	0.548	0.577	0.611
129.5	0.337	0.400	0.468	0.508	0.548	0.583	0.611
130.0	0.337	0.400	0.468	0.503	0.548	0.583	0.600
130.5	0.337	0.400	0.468	0.514	0.543	0.577	0.594
131.0	0.343	0.400	0.468	0.508	0.543	0.577	0.605
131.5	0.354	0.406	0.468	0.508	0.537	0.577	0.605
132.0	0.354	0.411	0.474	0.508	0.537	0.565	0.600
132.5	0.360	0.417	0.480	0.520	0.537	0.577	0.600
133.0	0.366	0.417	0.480	0.514	0.537	0.577	0.605
133.5	0.371	0.423	0.480	0.514	0.543	0.577	0.600
134.0	0.377	0.423	0.474	0.520	0.548	0.565	0.588
134.5	0.383	0.423	0.468	0.514	0.548	0.577	0.594
135.0	0.394	0.423	0.468	0.520	0.543	0.577	0.594
135.5	0.406	0.423	0.463	0.520	0.543	0.583	0.594
136.0	0.411	0.423	0.463	0.520	0.537	0.577	0.594
136.5	0.417	0.423	0.457	0.514	0.543	0.583	0.594
137.0	0.423	0.428	0.463	0.514	0.537	0.577	0.594
137.5	0.428	0.417	0.463	0.520	0.531	0.571	0.594
138.0	0.434	0.411	0.468	0.520	0.531	0.571	0.594
138.5	0.434	0.406	0.474	0.514	0.526	0.554	0.594
139.0	0.434	0.406	0.474	0.514	0.531	0.560	0.594
139.5	0.440	0.406	0.474	0.508	0.526	0.560	0.588
140.0	0.440	0.406	0.474	0.503	0.520	0.560	0.588
140.5	0.446	0.406	0.474	0.497	0.520	0.554	0.594
141.0	0.446	0.417	0.468	0.503	0.514	0.543	0.594
141.5	0.446	0.423	0.457	0.508	0.508	0.531	0.594
142.0	0.434	0.417	0.451	0.514	0.503	0.526	0.594
142.5	0.434	0.423	0.446	0.514	0.491	0.526	0.588
143.0	0.434	0.428	0.440	0.514	0.497	0.526	0.588
143.5	0.434	0.434	0.434	0.514	0.503	0.520	0.588
144.0	0.434	0.440	0.434	0.508	0.497	0.508	0.588
144.5	0.434	0.457	0.440	0.508	0.503	0.508	0.588
145.0	0.440	0.463	0.440	0.497	0.508	0.508	0.588
145.5	0.440	0.468	0.440	0.480	0.508	0.508	0.583
146.0	0.446	0.474	0.446	0.474	0.508	0.508	0.588
146.5	0.451	0.474	0.457	0.468	0.508	0.508	0.594
147.0	0.451	0.480	0.457	0.457	0.508	0.503	0.594
147.5	0.457	0.486	0.451	0.457	0.486	0.497	0.588
148.0	0.457	0.491	0.457	0.457	0.474	0.497	0.583
148.5	0.463	0.503	0.457	0.463	0.474	0.480	0.565
149.0	0.463	0.497	0.463	0.457	0.468	0.457	0.543
149.5	0.451	0.486	0.474	0.457	0.463	0.451	0.537
150.0	0.451	0.480	0.486	0.468	0.463	0.440	0.531
150.5	0.451	0.480	0.491	0.468	0.468	0.434	0.520
151.0	0.451	0.486	0.503	0.474	0.474	0.434	0.514
151.5	0.451	0.486	0.503	0.480	0.480	0.440	0.520

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CANDELA TABULATION - (Cont.)

152.0	0.451	0.486	0.508	0.486	0.508	0.446	0.526
152.5	0.451	0.491	0.508	0.497	0.503	0.446	0.531
153.0	0.457	0.491	0.520	0.508	0.508	0.468	0.548
153.5	0.457	0.491	0.526	0.514	0.508	0.480	0.560
154.0	0.463	0.491	0.520	0.514	0.514	0.486	0.560
154.5	0.468	0.491	0.520	0.520	0.520	0.491	0.565
155.0	0.468	0.491	0.520	0.526	0.531	0.491	0.571
155.5	0.468	0.491	0.531	0.531	0.537	0.497	0.577
156.0	0.468	0.491	0.531	0.537	0.543	0.508	0.588
156.5	0.468	0.491	0.526	0.548	0.543	0.514	0.588
157.0	0.468	0.491	0.520	0.554	0.543	0.526	0.594
157.5	0.468	0.491	0.520	0.554	0.548	0.531	0.600
158.0	0.474	0.497	0.520	0.560	0.554	0.537	0.600
158.5	0.480	0.491	0.526	0.560	0.548	0.537	0.600
159.0	0.486	0.491	0.520	0.554	0.548	0.537	0.605
159.5	0.486	0.491	0.520	0.560	0.554	0.543	0.605
160.0	0.491	0.491	0.514	0.560	0.554	0.543	0.605
160.5	0.491	0.491	0.514	0.560	0.548	0.543	0.605
161.0	0.491	0.491	0.514	0.560	0.548	0.543	0.605
161.5	0.491	0.491	0.520	0.554	0.548	0.543	0.605
162.0	0.486	0.491	0.526	0.554	0.543	0.537	0.605
162.5	0.486	0.491	0.531	0.554	0.531	0.537	0.605
163.0	0.486	0.491	0.531	0.548	0.531	0.537	0.611
163.5	0.491	0.497	0.526	0.548	0.531	0.537	0.611
164.0	0.497	0.503	0.531	0.543	0.531	0.537	0.605
164.5	0.491	0.508	0.537	0.537	0.531	0.537	0.605
165.0	0.497	0.514	0.537	0.537	0.537	0.537	0.605
165.5	0.497	0.514	0.537	0.537	0.531	0.537	0.611
166.0	0.503	0.520	0.548	0.548	0.531	0.543	0.617
166.5	0.514	0.531	0.554	0.548	0.537	0.548	0.623
167.0	0.520	0.537	0.560	0.554	0.543	0.548	0.623
167.5	0.520	0.548	0.548	0.560	0.554	0.548	0.623
168.0	0.526	0.554	0.554	0.571	0.560	0.560	0.634
168.5	0.531	0.554	0.571	0.571	0.571	0.565	0.640
169.0	0.537	0.560	0.571	0.571	0.571	0.571	0.645
169.5	0.543	0.554	0.560	0.571	0.577	0.571	0.645
170.0	0.548	0.548	0.560	0.577	0.577	0.577	0.645
170.5	0.548	0.543	0.560	0.583	0.588	0.583	0.640
171.0	0.554	0.543	0.565	0.594	0.594	0.594	0.640
171.5	0.560	0.543	0.565	0.600	0.594	0.605	0.645
172.0	0.554	0.543	0.565	0.600	0.600	0.611	0.651
172.5	0.548	0.543	0.571	0.605	0.600	0.611	0.657
173.0	0.548	0.537	0.577	0.605	0.600	0.617	0.663
173.5	0.560	0.543	0.583	0.605	0.605	0.617	0.668
174.0	0.571	0.554	0.588	0.611	0.605	0.617	0.674
174.5	0.583	0.571	0.594	0.611	0.611	0.623	0.680
175.0	0.594	0.571	0.600	0.617	0.617	0.623	0.680
175.5	0.594	0.571	0.605	0.623	0.623	0.623	0.680
176.0	0.600	0.571	0.611	0.628	0.623	0.628	0.674
176.5	0.600	0.577	0.617	0.628	0.628	0.628	0.674
177.0	0.605	0.583	0.628	0.628	0.623	0.628	0.674
177.5	0.605	0.588	0.628	0.623	0.617	0.623	0.668
178.0	0.605	0.594	0.628	0.623	0.617	0.617	0.663
178.5	0.611	0.594	0.628	0.617	0.611	0.617	0.657
179.0	0.611	0.600	0.623	0.617	0.611	0.617	0.651
179.5	0.605	0.600	0.623	0.617	0.611	0.617	0.651

CANDELA TABULATION - (Cont.)

180.0	0.651	0.651	0.651	0.651	0.651	0.651	0.651
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IES INDOOR REPORT
PHOTOMETRIC FILENAME : LSL22MFA-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	443.73	N.A.	14.60
0-30	941.91	N.A.	30.90
0-40	1530.68	N.A.	50.20
0-60	2530.39	N.A.	83.00
0-80	2981.56	N.A.	97.80
0-90	3044.02	N.A.	99.90
10-90	2929.34	N.A.	96.10
20-40	1086.95	N.A.	35.70
20-50	1652.69	N.A.	54.20
40-70	1280.48	N.A.	42.00
60-80	451.17	N.A.	14.80
70-80	170.39	N.A.	5.60
80-90	62.46	N.A.	2.00
90-110	1.26	N.A.	0.00
90-120	1.71	N.A.	0.10
90-130	2.10	N.A.	0.10
90-150	2.77	N.A.	0.10
90-180	3.22	N.A.	0.10
110-180	1.96	N.A.	0.10
0-180	3047.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.68
10-20	329.06
20-30	498.17
30-40	588.78
40-50	565.74
50-60	433.96
60-70	280.77
70-80	170.39
80-90	62.46
90-100	0.71
100-110	0.55
110-120	0.45
120-130	0.39
130-140	0.36
140-150	0.30
150-160	0.24
160-170	0.16
170-180	0.06

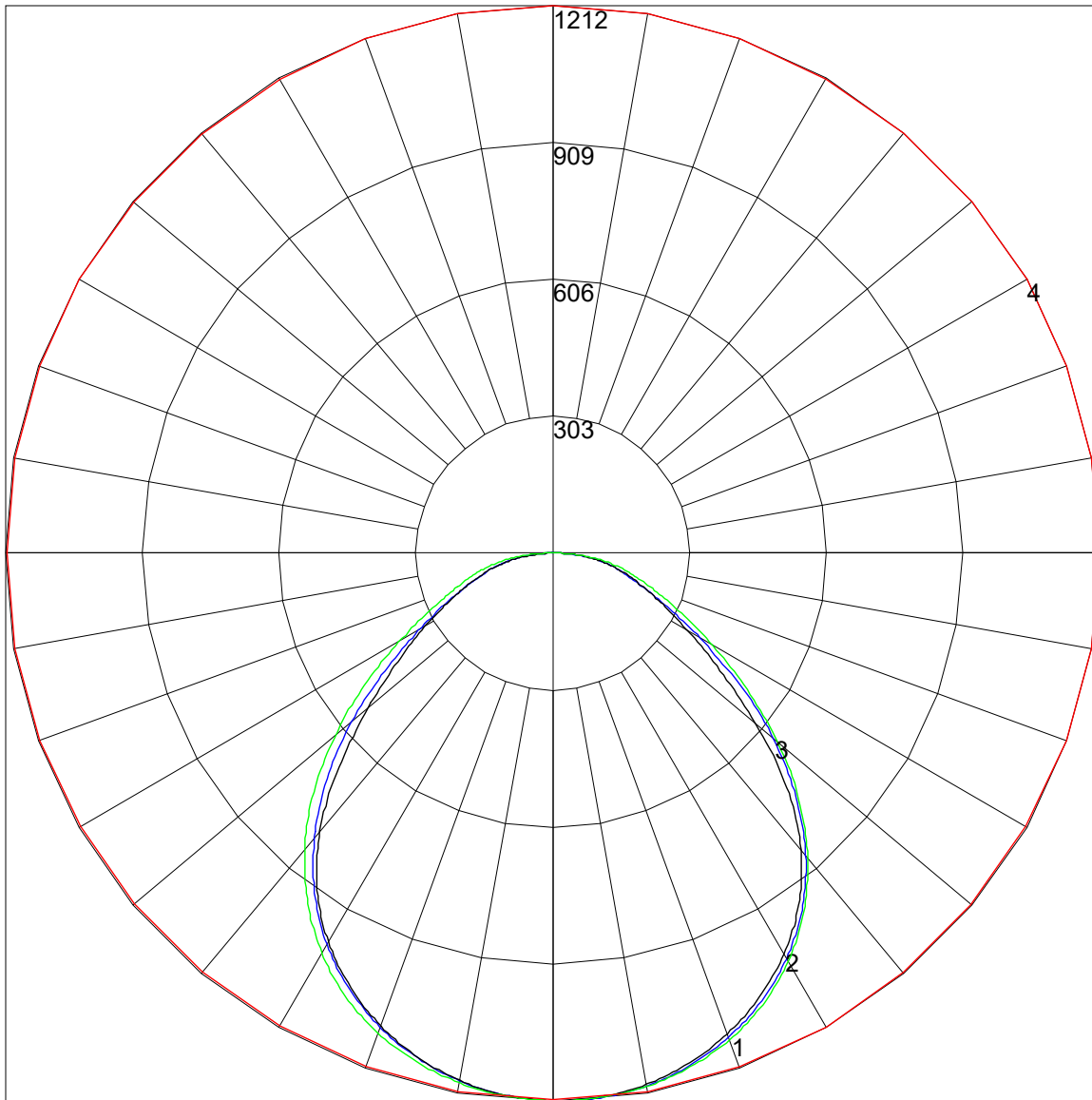
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LSL22MFA-40.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	65	59	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 1211.692 Located At Horizontal Angle = 50, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)