



IES ROAD REPORT

PHOTOMETRIC FILENAME : CL03C-60-40K-LV-01_IESNA2002.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] BEST TEST SERVICE SHENZHEN CO.,LTD

[TESTDATE] 2017-09-26

[ISSUEDATE] 2017-09-26

[NEARFIELD]

[LAMPPOSITION]

[OTHER] GO-R5000_V2 SYSTEM

[MANUFAC] Supertek

[LUMINAIRE] CL03C-60-40k-lv-01

[LAMP] CL03C-60-40k-lv-01

[OTHER]

[OTHER] Gamma(deg) Fz(lm) Ft(lm) %Lum %Lamp

[OTHER] 0- 10 45.86 45.86 0.66 0.66

[OTHER] 10- 20 157.92 203.78 2.91 2.91

[OTHER] 20- 30 349.02 552.81 7.90 7.90

[OTHER] 30- 40 613.68 1166.48 16.67 16.67

[OTHER] 40- 50 897.72 2064.20 29.50 29.50

[OTHER] 50- 60 1083.07 3147.27 44.98 44.98

[OTHER] 60- 70 1094.32 4241.59 60.62 60.62

[OTHER] 70- 80 949.75 5191.34 74.20 74.20

[OTHER] 80- 90 708.72 5900.07 84.33 84.33

[OTHER] 90-100 454.89 6354.96 90.83 90.83

[OTHER] 100-110 266.12 6621.08 94.63 94.63

[OTHER] 110-120 161.34 6782.42 96.94 96.94

[OTHER] 120-130 105.02 6887.43 98.44 98.44

[OTHER] 130-140 62.37 6949.80 99.33 99.33

[OTHER] 140-150 31.76 6981.56 99.79 99.79

[OTHER] 150-160 12.00 6993.56 99.96 99.96

[OTHER] 160-170 2.58 6996.14 100.00 100.00

[OTHER] 170-180 0.34 6996.48 100.00 100.00

[OTHER]

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CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	6996.5 (1 lamp)
Total Lamp Lumens	6996.5
Luminaire Lumens	6996
Downward Total Efficiency	84 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.16
Maximum Candela	1341.73
Maximum Candela Angle	180H 54V
Maximum Candela (<90 Degrees Vertical)	1341.73
Maximum Candela Angle (<90 Degrees Vertical)	180H 54V
Maximum Candela At 90 Degrees Vertical	577.07 (8.2% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	879.05 (12.6% Lamp Lumens)
Cutoff Classification (deprecated)	Non-Cutoff

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	275.1	3.9	3.9
FM - Front-Medium (30-60)	1300.7	18.6	18.6
FH - Front-High (60-80)	1026.5	14.7	14.7
FVH - Front-Very High (80-90)	348.9	5.0	5.0
BL - Back-Low (0-30)	277.7	4.0	4.0
BM - Back-Medium (30-60)	1293.7	18.5	18.5
BH - Back-High (60-80)	1017.6	14.5	14.5
BVH - Back-Very High (80-90)	359.8	5.1	5.1
UL - Uplight-Low (90-100)	454.9	6.5	6.5
UH - Uplight-High (100-180)	641.5	9.2	9.2
Total	6996.4	100.0	100.0
BUG Rating	B3-U4-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0	468.262	468.262	468.262	468.262	468.262	468.262	468.262	468.262	468.262	468.262
1	470.170	469.050	468.160	469.250	468.170	468.020	468.260	467.490	467.600	467.230
2	469.450	469.030	468.100	469.040	468.120	468.900	468.700	467.940	468.720	469.200
3	469.790	471.030	469.610	484.530	488.780	470.830	469.970	468.270	468.650	468.720
4	496.240	491.050	471.410	492.540	496.420	472.760	470.260	469.220	467.950	469.430
5	481.160	474.940	473.450	475.590	475.330	474.390	472.560	470.420	468.470	470.610
6	479.360	481.790	476.730	477.920	479.310	477.740	475.450	473.130	469.580	471.640
7	522.370	483.890	480.100	482.130	503.140	482.270	528.920	476.010	472.350	474.540
8	489.750	485.130	483.330	486.390	488.850	489.780	495.110	480.010	476.980	479.090
9	493.530	496.740	487.010	489.360	491.710	489.200	488.480	487.900	481.330	495.640
10	499.110	493.890	490.610	494.710	493.500	493.250	509.580	497.440	486.870	500.390
11	504.510	498.820	496.100	525.440	497.430	497.850	544.190	506.550	495.070	494.770
12	542.380	503.580	530.260	509.360	503.790	503.540	510.780	516.240	506.780	507.680
13	522.410	511.080	518.030	518.370	514.140	515.080	525.280	525.780	523.350	523.770
14	526.880	522.700	528.280	533.360	552.200	531.730	560.750	537.610	546.470	540.600
15	537.640	539.910	543.920	548.350	545.070	551.020	549.710	552.530	556.230	558.660
16	577.160	559.070	561.260	566.130	561.400	569.710	567.840	570.050	608.670	581.770
17	571.420	577.940	581.660	583.980	580.560	588.000	589.500	587.940	612.660	604.880
18	586.560	599.310	605.790	600.490	603.220	605.080	611.500	605.920	619.050	627.900
19	608.920	618.320	626.310	619.530	625.520	622.150	633.170	675.950	641.340	648.090
20	631.590	637.420	648.210	638.340	646.740	643.640	656.110	649.020	662.330	669.800
21	650.910	660.010	667.460	661.370	669.190	666.480	685.500	667.890	684.420	693.220
22	673.300	686.140	691.290	686.490	692.310	718.380	717.480	694.430	705.400	715.940
23	698.450	709.630	714.950	710.360	715.700	725.690	723.570	763.250	728.080	742.080
24	724.350	730.820	736.880	733.830	735.170	740.710	746.850	747.860	750.790	766.990
25	747.270	751.670	760.130	758.090	756.850	764.920	772.170	770.330	777.340	790.460
26	768.320	771.540	781.340	783.870	780.600	792.630	798.720	797.330	802.780	812.350
27	790.050	792.280	808.460	805.400	806.660	819.420	822.900	826.630	826.490	832.180
28	812.110	815.570	830.030	826.900	831.340	843.470	847.750	848.900	849.950	856.250
29	834.400	838.000	851.140	849.510	859.470	866.770	871.230	872.180	876.420	880.090
30	856.070	860.050	871.780	874.720	884.500	900.410	893.530	898.810	901.790	899.040
31	880.180	884.620	894.220	900.080	910.030	911.900	917.050	920.610	928.760	919.380
32	908.240	902.140	919.690	923.710	930.420	934.550	946.810	944.950	949.270	941.000
33	932.250	923.850	943.450	947.320	951.340	956.840	969.000	970.630	970.750	965.410
34	958.470	943.930	962.880	967.930	971.560	976.100	988.930	992.490	992.360	985.470
35	978.910	963.750	983.310	990.350	992.270	998.920	1007.630	1011.920	1016.450	1005.640
36	999.330	987.950	1007.920	1011.470	1016.550	1015.650	1026.200	1032.870	1038.230	1031.700
37	1023.650	1005.740	1026.440	1032.840	1039.140	1031.580	1042.570	1056.160	1057.770	1052.500
38	1050.920	1023.550	1043.690	1047.380	1057.150	1051.350	1061.810	1078.410	1072.930	1066.880
39	1072.000	1043.220	1061.100	1066.170	1074.800	1067.810	1079.580	1094.290	1092.030	1083.590
40	1091.730	1070.370	1089.960	1080.230	1088.470	1089.930	1091.690	1107.330	1110.360	1098.670
41	1118.120	1091.220	1116.980	1101.460	1105.900	1104.840	1103.840	1123.000	1129.970	1116.500
42	1143.760	1107.740	1130.130	1128.100	1126.100	1118.610	1116.680	1141.060	1149.590	1131.390
43	1169.390	1123.300	1147.430	1146.300	1146.330	1131.770	1136.410	1159.140	1169.210	1143.770
44	1195.020	1154.310	1164.730	1164.250	1166.550	1150.290	1150.690	1177.220	1181.040	1160.240
45	1210.730	1185.630	1182.030	1182.200	1176.940	1168.940	1164.870	1183.060	1187.850	1166.070
46	1225.580	1200.620	1193.600	1194.380	1194.320	1187.590	1179.040	1194.170	1202.410	1176.390
47	1243.960	1218.140	1205.180	1207.680	1201.060	1195.400	1189.620	1205.120	1212.710	1176.800
48	1253.330	1231.130	1215.520	1215.750	1205.500	1198.370	1196.740	1220.810	1226.040	1176.270
49	1260.640	1228.450	1227.610	1213.890	1201.360	1202.950	1198.020	1218.970	1224.200	1187.990
50	1263.330	1233.900	1236.700	1212.160	1197.480	1197.750	1198.890	1221.800	1219.300	1198.560
51	1266.670	1243.270	1247.730	1224.030	1203.920	1196.710	1212.660	1226.910	1223.050	1197.510
52	1278.870	1260.490	1246.240	1221.290	1216.060	1199.420	1205.920	1229.500	1227.100	1195.850

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53	1291.060	1265.460	1236.330	1210.080	1223.070	1193.510	1199.730	1234.170	1230.090	1186.520
54	1294.830	1238.750	1227.400	1207.760	1206.480	1199.330	1197.240	1233.770	1226.770	1181.020
55	1295.540	1238.560	1225.130	1198.780	1191.370	1196.530	1206.980	1224.190	1230.040	1178.950
56	1282.700	1243.650	1242.000	1200.030	1188.260	1185.850	1205.110	1219.520	1213.950	1182.740
57	1271.570	1246.570	1240.130	1199.460	1188.780	1184.420	1202.110	1216.860	1202.510	1182.860
58	1274.330	1240.300	1225.790	1204.910	1187.950	1172.780	1188.790	1210.500	1193.060	1162.470
59	1275.180	1230.570	1204.510	1188.030	1182.600	1160.990	1183.360	1206.760	1185.810	1142.080
60	1264.000	1225.740	1203.940	1177.620	1165.860	1153.000	1168.870	1193.810	1179.810	1121.870
61	1249.740	1212.600	1202.680	1169.390	1142.310	1142.710	1165.650	1176.300	1169.610	1109.970
62	1243.190	1198.170	1188.360	1139.360	1139.330	1133.430	1152.910	1160.570	1151.430	1103.070
63	1234.870	1188.910	1172.500	1112.250	1131.320	1121.660	1147.920	1149.650	1136.060	1100.640
64	1211.430	1170.860	1148.130	1097.090	1105.670	1105.830	1110.190	1141.470	1117.150	1089.390
65	1204.570	1143.770	1121.910	1076.370	1064.580	1065.430	1082.610	1117.920	1096.280	1065.790
66	1171.320	1117.820	1113.720	1062.450	1043.910	1040.560	1067.920	1087.380	1074.760	1043.590
67	1146.420	1107.210	1106.870	1033.940	1028.710	1028.490	1049.800	1062.050	1061.090	1021.120
68	1130.420	1092.700	1081.830	1014.030	1024.160	1020.400	1038.010	1047.750	1039.180	1007.930
69	1108.910	1078.590	1042.480	992.570	1010.640	991.180	1017.400	1033.990	1009.710	990.510
70	1092.620	1054.470	1015.670	976.470	972.150	964.860	989.140	1006.470	988.190	975.920
71	1075.620	1034.370	1008.600	957.840	934.010	943.240	959.330	982.320	965.670	957.570
72	1044.840	1001.540	991.430	938.400	906.570	917.310	929.070	960.870	938.230	925.690
73	1011.280	971.600	962.400	914.010	881.350	885.640	901.820	936.980	916.290	894.250
74	990.310	944.550	932.010	880.800	870.050	872.130	888.400	901.450	896.240	876.320
75	974.530	925.870	907.890	855.530	834.770	854.370	865.990	872.800	870.270	858.510
76	946.060	905.800	885.350	830.370	808.440	823.860	825.050	853.450	842.050	833.530
77	918.110	877.830	844.720	805.480	777.080	790.670	790.270	830.770	819.500	809.280
78	897.190	839.940	806.260	769.550	753.120	763.980	767.530	798.470	794.440	786.860
79	863.180	808.560	775.650	736.920	718.250	738.940	750.110	772.070	769.030	756.410
80	824.310	779.320	754.640	708.000	695.940	709.250	716.970	747.170	737.270	732.040
81	784.580	748.670	726.110	682.420	674.420	678.340	689.230	715.070	712.760	710.780
82	764.800	724.550	703.690	658.540	656.310	648.370	661.310	681.840	686.870	682.010
83	742.450	705.230	685.310	631.780	621.080	627.430	633.930	650.790	656.250	655.250
84	718.540	680.610	653.020	605.720	588.920	600.310	608.400	629.320	629.420	631.860
85	687.760	648.350	623.260	579.670	556.810	573.070	582.900	604.610	604.880	606.260
86	655.080	622.010	594.080	553.620	532.770	545.830	557.400	579.860	580.350	579.010
87	627.090	594.230	564.910	530.960	511.900	524.550	534.300	555.100	555.830	553.030
88	600.960	566.430	544.460	504.480	492.790	500.500	511.730	531.250	532.620	528.160
89	574.850	541.930	519.160	475.050	471.310	479.690	490.300	501.770	509.680	503.620
90	548.740	521.320	489.950	451.460	448.470	453.560	463.420	475.590	483.560	482.610
91	530.490	496.790	470.210	430.240	418.140	426.990	437.460	452.200	459.360	457.850
92	507.970	474.550	446.870	411.300	391.270	406.560	416.760	429.550	436.720	434.080
93	482.090	451.890	421.460	394.730	377.010	388.880	398.760	408.640	412.130	411.550
94	454.460	430.960	401.270	375.910	362.320	372.350	382.760	389.680	389.410	390.870
95	432.500	409.350	385.260	357.180	348.750	357.830	363.750	371.150	370.040	368.070
96	417.920	389.260	369.770	340.910	332.880	338.980	346.270	351.380	352.180	348.240
97	398.360	374.800	352.880	324.730	315.720	320.980	328.730	333.910	336.260	329.460
98	381.490	356.200	338.410	309.640	300.220	304.970	312.050	317.330	319.300	313.560
99	362.650	337.300	320.550	296.550	286.100	290.840	296.190	301.450	300.270	299.220
100	341.670	323.470	303.940	283.830	271.130	275.960	281.730	286.940	285.400	283.440
101	325.080	311.080	289.040	270.790	259.330	263.530	269.890	272.760	272.980	267.420
102	311.450	296.950	276.190	256.840	250.020	251.510	258.600	259.890	261.890	254.360
103	297.520	279.520	263.970	244.290	239.370	240.370	247.640	249.040	250.040	242.890
104	282.650	265.550	251.230	233.860	227.630	231.020	237.550	238.500	238.380	232.620
105	268.670	254.550	239.030	223.770	217.190	222.490	227.870	228.770	228.640	223.010
106	255.750	243.960	228.660	215.010	208.850	213.070	218.490	219.480	218.870	212.760
107	245.370	233.600	219.500	206.740	201.200	204.060	208.810	210.680	209.740	203.370
108	234.360	223.830	211.540	199.070	193.200	195.460	199.690	202.190	201.070	194.730

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109	224.030	214.630	203.180	191.460	185.190	187.800	191.290	193.880	193.110	187.070
110	214.450	206.210	195.270	184.050	178.510	180.350	183.500	186.100	185.540	179.900
111	205.510	197.600	187.360	177.580	172.310	173.840	176.340	178.990	178.890	172.950
112	197.320	189.820	180.210	171.470	166.260	167.630	170.120	172.480	172.830	166.710
113	189.510	182.680	174.230	165.760	160.890	161.860	164.270	166.540	167.030	160.860
114	182.470	176.400	168.570	160.690	156.280	156.930	159.110	161.120	161.450	155.330
115	175.970	170.570	163.490	156.150	151.900	152.550	154.460	156.070	156.220	150.080
116	169.920	165.400	158.560	152.010	147.880	148.310	150.050	151.550	151.470	145.430
117	164.250	160.640	154.040	148.000	143.820	144.240	145.770	147.090	146.660	140.730
118	159.350	156.070	149.800	143.980	140.000	140.330	141.880	142.750	141.990	136.140
119	155.010	152.030	145.900	140.610	136.550	136.730	138.000	138.520	137.500	131.840
120	150.960	148.060	142.260	137.380	133.460	133.620	134.220	134.520	133.260	127.370
121	147.130	144.550	139.220	134.450	130.600	130.600	130.610	130.390	129.050	123.050
122	143.300	141.290	136.640	131.560	127.490	127.290	127.140	126.520	124.870	118.730
123	139.700	138.040	133.740	128.300	123.820	123.470	123.360	122.740	120.600	114.580
124	135.930	134.510	130.060	124.530	119.990	119.640	119.510	118.530	116.400	110.310
125	132.170	130.680	126.180	120.640	115.910	115.600	115.390	114.290	112.300	106.230
126	128.180	126.230	121.890	116.550	111.980	111.580	111.330	110.430	108.380	102.400
127	123.870	121.910	117.460	112.230	107.760	107.410	107.350	106.270	104.280	98.560
128	119.650	117.550	113.270	108.050	103.950	103.600	103.480	102.200	100.300	94.820
129	115.510	113.570	109.240	104.140	100.140	99.760	99.760	98.310	96.440	91.270
130	111.600	109.490	105.230	100.310	96.430	95.970	95.890	94.530	92.590	87.660
131	107.820	105.620	101.400	96.590	92.940	92.430	92.270	90.910	89.030	84.240
132	104.010	101.750	97.550	93.070	89.460	88.980	88.680	87.420	85.540	80.960
133	100.310	97.950	93.760	89.610	85.980	85.580	85.320	84.140	82.180	77.760
134	96.690	94.160	89.980	86.160	82.540	82.200	81.970	80.780	78.980	74.610
135	92.990	90.390	86.310	82.710	79.370	79.130	78.860	77.470	75.800	71.660
136	89.170	86.610	82.770	79.310	76.080	75.970	75.680	74.360	72.690	68.780
137	85.340	82.850	79.180	76.000	73.020	72.760	72.380	71.260	69.510	65.820
138	81.520	79.140	75.650	72.700	69.710	69.640	69.200	68.170	66.470	62.920
139	77.670	75.410	72.170	69.420	66.550	66.420	66.180	65.120	63.350	60.050
140	73.890	71.680	68.780	66.140	63.390	63.300	63.140	61.970	60.210	57.160
141	70.060	67.960	65.390	62.730	60.060	60.000	60.090	58.880	57.090	54.360
142	66.300	64.280	61.980	59.470	56.840	56.850	56.940	55.800	54.150	51.540
143	62.610	60.810	58.680	56.290	53.640	53.800	53.880	52.740	51.190	48.820
144	59.140	57.400	55.350	52.930	50.430	50.490	50.760	49.760	48.350	46.190
145	55.890	54.130	52.220	49.720	47.370	47.380	47.800	46.840	45.620	43.730
146	52.610	50.910	49.140	46.720	44.510	44.430	44.800	44.110	42.990	41.410
147	49.420	47.790	46.200	43.820	41.730	41.490	41.840	41.310	40.500	39.060
148	46.470	45.010	43.400	41.150	39.130	38.690	38.920	38.530	37.960	36.740
149	43.630	42.170	40.660	38.550	36.610	35.980	36.110	35.890	35.560	34.450
150	40.840	39.520	38.010	35.910	33.930	33.290	33.400	33.200	33.010	32.110
151	38.130	36.930	35.490	33.320	31.390	30.680	30.750	30.550	30.490	29.820
152	35.530	34.370	32.970	30.820	29.010	28.290	28.270	28.090	28.010	27.460
153	32.890	31.730	30.360	28.380	26.670	25.990	25.860	25.680	25.550	25.120
154	30.330	29.190	27.840	25.960	24.480	23.780	23.530	23.340	23.070	22.770
155	27.850	26.730	25.480	23.670	22.370	21.710	21.360	21.110	20.660	20.400
156	25.480	24.350	23.160	21.510	20.420	19.720	19.260	18.970	18.450	18.170
157	23.110	21.950	20.900	19.480	18.510	17.770	17.270	17.000	16.420	16.180
158	20.900	19.710	18.660	17.540	16.950	16.070	15.370	15.090	14.520	14.220
159	18.720	17.550	16.640	15.730	15.560	14.720	13.650	13.170	12.710	12.430
160	16.630	15.570	14.740	14.120	14.070	13.290	12.100	11.380	11.010	10.740
161	14.570	13.650	12.820	12.710	12.640	11.950	10.820	9.950	9.470	9.300
162	12.600	11.750	11.210	11.330	11.300	10.660	9.640	8.780	8.340	8.140
163	10.680	9.930	9.780	9.920	9.910	9.360	8.570	7.740	7.340	7.070
164	9.030	8.600	8.490	8.620	8.580	8.040	7.460	6.850	6.480	6.260

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CANDELA TABULATION - (Cont.)

165	7.790	7.460	7.380	7.430	7.230	6.910	6.540	6.190	5.880	5.630
166	6.740	6.520	6.460	6.370	6.100	5.870	5.720	5.640	5.470	5.420
167	5.930	5.810	5.800	5.560	5.330	5.290	5.300	5.300	5.300	5.400
168	5.340	5.340	5.360	5.230	5.280	5.300	5.300	5.240	5.180	5.330
169	5.040	5.210	5.270	5.210	5.260	5.260	5.280	5.160	5.030	5.080
170	4.920	5.110	5.230	5.210	5.130	5.040	5.040	4.920	4.840	4.790
171	4.790	4.980	5.080	5.110	4.960	4.920	4.880	4.730	4.610	4.420
172	4.630	4.820	4.990	5.020	4.950	4.940	4.730	4.400	4.150	3.810
173	4.580	4.820	4.950	4.980	4.820	4.360	3.960	3.540	3.260	2.840
174	4.540	4.730	4.700	4.410	3.990	3.580	3.240	2.880	2.590	2.100
175	4.410	4.190	3.920	3.580	3.190	2.890	2.600	2.330	2.090	1.760
176	3.470	3.300	3.070	2.820	2.550	2.280	2.110	1.950	1.800	1.720
177	2.660	2.560	2.360	2.210	2.000	1.920	1.880	1.800	1.740	1.660
178	2.090	1.990	1.930	1.870	1.860	1.840	1.860	1.800	1.740	1.660
179	1.840	1.860	1.870	1.840	1.820	1.760	1.840	1.800	1.740	1.660
180	1.590	1.590	1.590	1.590	1.590	1.590	1.590	1.590	1.590	1.590

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	468.262	468.262	468.262	468.262	468.262	468.262	468.262	468.262	468.262	468.262
1	468.190	467.850	467.820	468.260	467.880	467.490	467.650	467.440	468.060	467.790
2	470.530	475.660	476.780	474.750	469.180	467.930	468.230	467.900	468.540	468.010
3	469.550	475.170	474.350	468.780	467.740	467.440	467.680	467.710	468.240	468.330
4	470.440	473.510	517.620	477.770	466.640	466.720	467.060	467.560	468.690	468.630
5	506.240	468.070	483.460	468.020	466.670	467.400	467.290	468.390	470.420	471.040
6	485.190	468.160	467.830	466.680	467.200	495.930	471.980	470.950	473.700	474.790
7	518.750	469.790	468.240	469.050	470.010	484.740	517.250	473.700	478.040	480.380
8	478.770	472.480	470.870	471.440	473.420	474.000	474.670	477.080	482.450	487.760
9	479.570	476.260	472.810	474.440	474.120	473.850	477.180	482.370	487.310	492.280
10	484.550	481.320	478.280	485.810	475.820	476.950	482.350	487.360	490.970	495.730
11	492.530	490.830	511.150	480.980	481.390	483.540	511.590	492.250	495.860	525.770
12	504.310	500.660	498.990	491.580	490.620	493.630	494.930	501.140	504.430	524.170
13	518.000	511.410	513.120	504.020	503.280	505.100	515.960	520.160	516.170	517.420
14	534.160	524.790	548.940	518.930	516.850	521.220	522.130	589.560	530.990	531.140
15	583.490	541.820	544.480	533.360	532.760	553.740	537.110	554.610	545.370	567.440
16	601.670	561.030	561.160	549.220	549.860	554.830	553.300	577.160	559.520	562.450
17	581.870	582.760	577.980	568.560	570.600	588.660	571.420	597.960	574.970	579.650
18	600.840	604.430	593.930	590.570	591.380	605.830	592.820	618.760	597.710	602.480
19	622.230	626.720	613.900	613.220	609.720	623.000	614.210	639.560	620.450	625.330
20	673.310	646.950	634.580	636.790	627.240	640.200	635.620	660.450	643.290	648.630
21	676.190	668.000	655.420	660.230	647.440	660.120	658.190	682.440	680.370	669.910
22	690.910	690.230	672.400	678.490	670.010	681.940	684.780	703.230	691.750	689.310
23	714.760	711.160	690.300	695.790	694.350	703.150	710.710	725.310	717.480	710.170
24	742.850	732.580	708.960	713.830	717.190	722.270	734.130	748.420	740.930	732.070
25	759.360	754.910	730.360	733.220	735.410	754.460	755.140	773.020	771.710	757.730
26	773.850	778.210	746.000	754.950	759.460	767.950	773.490	799.410	789.820	785.770
27	794.850	791.270	766.250	775.330	781.290	788.760	795.690	823.350	813.700	812.460
28	814.460	809.830	787.060	800.180	797.630	806.290	818.470	842.170	835.790	837.990
29	833.270	831.050	810.960	822.180	814.010	822.300	842.250	862.790	858.780	866.090
30	854.600	846.440	829.890	840.530	841.140	844.820	866.190	886.220	886.940	895.530
31	871.760	860.370	850.570	857.190	859.670	869.140	888.090	913.760	916.030	920.200
32	893.170	871.640	866.630	875.540	880.460	888.160	912.920	940.730	941.640	938.010
33	914.930	890.550	888.530	899.610	897.980	907.470	939.720	967.270	968.680	958.850
34	929.930	911.790	911.730	922.180	916.990	933.030	965.270	994.880	995.650	988.240
35	950.810	934.160	930.720	941.180	944.380	958.670	985.810	1021.190	1026.070	1017.670

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CANDELA TABULATION - (Cont.)

36	973.800	949.010	949.570	958.960	962.360	979.200	1011.010	1045.770	1062.870	1042.930
37	990.740	961.100	962.720	978.080	972.820	995.780	1031.910	1075.370	1089.100	1062.670
38	1009.100	981.140	980.140	1000.970	989.310	1018.420	1052.970	1101.470	1115.680	1081.460
39	1019.990	998.460	996.220	1010.520	1008.420	1034.420	1079.160	1125.480	1133.040	1106.220
40	1030.870	1009.590	1008.210	1024.610	1033.930	1055.260	1095.060	1147.060	1159.040	1133.860
41	1044.280	1020.490	1022.850	1039.220	1050.790	1069.120	1112.820	1169.310	1185.400	1157.890
42	1061.070	1027.620	1034.710	1050.180	1055.900	1077.000	1124.870	1194.170	1205.520	1177.370
43	1066.860	1038.640	1043.350	1061.760	1064.930	1087.110	1143.430	1213.180	1226.400	1194.240
44	1073.880	1051.210	1045.830	1077.880	1084.300	1103.960	1164.520	1239.470	1245.460	1215.880
45	1082.020	1056.320	1053.230	1087.570	1097.170	1116.050	1178.880	1259.880	1268.280	1234.430
46	1093.230	1059.170	1058.920	1089.930	1103.170	1127.850	1191.040	1277.630	1280.610	1252.960
47	1099.660	1067.080	1061.210	1092.920	1111.510	1139.260	1207.160	1291.550	1294.920	1263.150
48	1109.120	1072.820	1066.030	1095.300	1116.810	1155.210	1221.210	1298.620	1312.150	1269.970
49	1112.210	1068.760	1069.040	1101.000	1116.100	1163.670	1230.640	1312.320	1323.760	1276.840
50	1110.960	1067.100	1065.990	1101.940	1120.790	1167.000	1241.390	1327.810	1325.480	1286.320
51	1105.440	1068.590	1060.470	1103.720	1121.510	1167.270	1246.460	1329.880	1327.410	1297.500
52	1104.900	1065.570	1057.480	1099.850	1121.400	1171.600	1255.110	1331.050	1334.200	1301.080
53	1107.520	1063.230	1052.170	1094.800	1120.540	1180.170	1260.080	1325.660	1337.840	1301.890
54	1109.660	1056.090	1047.440	1090.420	1120.420	1181.390	1252.190	1319.730	1341.730	1308.060
55	1104.590	1052.220	1046.940	1087.050	1114.950	1179.750	1244.010	1322.850	1336.850	1307.590
56	1095.360	1049.440	1044.330	1084.910	1112.000	1164.750	1244.650	1318.490	1333.100	1302.060
57	1087.960	1045.860	1040.100	1078.730	1104.590	1160.330	1244.970	1313.010	1320.310	1292.740
58	1084.070	1035.470	1032.810	1073.390	1094.920	1151.140	1238.890	1303.610	1317.370	1287.080
59	1075.710	1024.180	1014.790	1063.630	1088.310	1141.960	1228.880	1288.470	1304.410	1280.090
60	1063.730	1012.680	997.310	1047.080	1082.250	1132.750	1219.850	1276.360	1299.220	1279.880
61	1056.930	996.610	983.200	1032.860	1070.770	1122.580	1208.800	1258.490	1281.290	1279.650
62	1043.950	983.160	977.960	1023.130	1056.940	1106.620	1197.400	1246.680	1264.600	1264.320
63	1026.060	981.450	969.320	1006.540	1041.520	1094.400	1182.720	1231.940	1250.130	1239.880
64	1006.600	970.930	956.590	988.770	1030.960	1085.730	1171.180	1218.790	1241.350	1216.020
65	995.530	957.790	940.720	971.610	1025.010	1080.460	1149.030	1210.840	1230.960	1209.930
66	987.680	941.980	926.180	961.160	1016.190	1064.240	1126.910	1195.740	1211.120	1200.570
67	969.500	928.650	910.330	950.940	1004.510	1043.530	1107.810	1158.840	1178.360	1170.180
68	952.780	913.860	900.640	934.360	982.470	1025.230	1083.790	1121.940	1145.590	1139.780
69	935.370	893.910	886.340	920.950	964.770	1010.070	1065.000	1103.620	1113.100	1109.420
70	911.920	872.540	869.510	905.450	948.360	989.530	1045.390	1081.950	1099.970	1081.910
71	891.000	859.960	853.790	889.130	933.030	972.680	1037.890	1064.570	1089.500	1066.530
72	874.310	844.870	841.350	868.110	916.350	956.200	1021.330	1043.570	1073.790	1055.060
73	861.410	826.840	825.460	847.760	899.660	940.030	995.250	1019.090	1051.870	1038.810
74	839.970	806.090	805.600	828.980	874.500	913.460	965.410	990.990	1023.150	1008.020
75	820.470	787.470	785.850	809.750	849.460	886.400	944.030	967.220	993.640	978.700
76	799.420	769.710	765.710	789.120	828.000	868.540	931.240	951.310	967.320	943.470
77	778.590	746.390	746.400	771.270	814.890	853.500	912.650	927.930	947.710	921.300
78	755.170	722.430	726.990	750.340	798.560	836.730	885.250	901.930	921.810	897.020
79	730.790	703.670	711.910	731.380	772.810	815.590	854.920	874.230	903.250	878.170
80	710.370	687.200	692.730	713.650	753.970	784.000	827.070	849.970	879.050	868.380
81	690.550	667.310	669.860	691.720	730.130	760.200	803.900	826.770	856.130	858.000
82	667.120	646.220	646.070	663.080	698.820	745.120	784.750	798.500	825.730	823.990
83	645.040	624.480	617.910	639.230	673.360	715.060	760.020	767.150	792.440	769.330
84	622.110	600.260	593.290	615.870	652.080	686.590	729.980	745.910	756.560	724.720
85	593.180	573.950	574.070	592.680	624.230	658.590	700.690	725.160	720.580	699.350
86	569.410	553.510	555.650	567.780	599.730	632.780	676.660	692.530	690.330	674.820
87	548.790	535.840	530.590	541.990	577.280	611.560	648.910	659.100	664.070	650.690
88	527.630	514.730	510.030	522.390	556.360	590.780	620.850	627.560	631.960	623.990
89	505.280	488.660	489.370	500.390	532.260	561.670	595.040	601.140	606.190	593.240
90	481.420	465.490	465.340	476.380	506.410	537.280	573.010	577.070	576.670	562.810
91	458.210	445.030	442.740	453.870	481.770	511.850	547.750	556.450	551.090	540.510

CANDELA TABULATION - (Cont.)

92	434.800	423.620	421.160	430.040	458.810	489.690	520.340	524.620	529.800	519.880
93	411.750	402.360	399.940	408.910	436.350	466.680	495.230	501.080	507.170	493.430
94	391.060	383.620	379.260	389.060	413.050	439.170	468.350	479.000	473.400	469.650
95	370.610	365.020	359.540	370.260	391.690	414.760	445.450	450.870	447.390	447.770
96	352.370	346.230	340.410	349.060	371.260	393.130	424.690	423.140	427.570	425.100
97	332.140	328.670	323.790	329.440	352.440	372.360	403.570	399.770	407.130	402.940
98	313.000	312.100	308.310	312.830	333.580	352.990	380.360	377.770	384.900	379.530
99	297.560	295.530	291.680	297.720	314.550	334.200	355.270	357.750	363.020	355.850
100	282.210	278.980	275.440	283.270	297.510	315.220	334.420	339.090	343.020	336.090
101	268.250	264.380	261.610	268.550	281.470	296.670	316.880	319.050	323.190	317.930
102	255.780	249.940	248.030	253.100	266.030	280.460	298.630	300.990	304.550	300.320
103	243.670	237.570	234.920	239.400	251.100	264.530	280.900	285.600	286.480	282.100
104	231.710	226.360	222.340	226.200	237.950	250.150	264.700	269.580	268.470	266.570
105	220.640	215.900	211.290	214.440	224.880	236.760	250.110	252.810	253.130	251.110
106	210.540	206.020	201.370	203.200	212.620	224.110	236.100	238.780	239.210	236.440
107	201.180	196.690	191.990	192.690	201.570	212.740	223.350	225.660	226.650	223.640
108	192.700	187.820	182.780	183.060	191.970	201.690	211.770	214.110	214.640	210.970
109	185.180	179.650	174.220	174.270	182.560	191.390	200.480	203.030	203.610	200.110
110	177.650	172.100	166.550	166.360	173.860	182.210	190.040	192.570	192.830	190.440
111	170.280	164.550	159.720	159.410	166.130	174.180	181.000	183.180	183.480	181.490
112	163.410	157.960	153.430	153.200	159.340	166.750	173.040	174.670	175.630	173.780
113	157.570	151.930	147.960	147.550	153.340	160.030	165.760	167.370	168.340	166.880
114	151.990	146.450	142.830	142.420	147.720	154.140	159.110	160.980	161.640	160.580
115	146.760	141.520	138.230	137.680	142.630	148.630	153.410	155.370	155.540	154.720
116	141.990	137.190	134.200	133.760	138.000	143.580	148.170	150.190	150.000	149.150
117	137.530	133.050	130.500	130.170	133.820	138.920	143.210	145.260	144.810	143.900
118	133.100	129.090	126.880	126.670	129.990	134.740	138.590	140.320	140.010	139.050
119	128.810	124.970	123.080	122.850	126.080	130.780	134.110	135.560	135.430	134.770
120	124.480	120.850	118.920	118.750	121.940	126.850	129.880	130.970	130.990	130.740
121	120.140	116.480	114.660	114.650	117.630	122.880	125.950	126.540	126.890	127.030
122	115.710	112.130	110.390	110.600	113.340	118.380	121.620	122.250	122.850	123.550
123	111.350	108.050	106.490	106.690	109.170	113.850	117.150	118.090	118.910	120.090
124	107.060	104.170	102.600	102.880	105.130	109.350	112.630	113.870	115.010	116.330
125	103.090	100.340	98.820	99.040	101.260	104.920	108.100	109.500	110.910	112.250
126	99.310	96.630	95.170	95.500	97.480	100.810	103.490	104.860	106.190	107.180
127	95.510	92.990	91.770	92.060	93.690	96.820	99.110	100.300	101.320	101.940
128	91.960	89.450	88.300	88.630	90.080	93.070	95.270	95.990	96.660	97.300
129	88.550	86.070	85.020	85.470	86.700	89.480	91.440	92.230	92.420	93.040
130	85.200	82.700	81.700	82.220	83.460	85.910	87.760	88.490	88.540	89.110
131	82.030	79.550	78.570	79.060	80.230	82.660	84.320	84.960	84.910	85.340
132	78.770	76.390	75.670	75.970	77.060	79.440	80.940	81.640	81.480	81.700
133	75.630	73.590	72.710	73.100	74.170	76.470	77.760	78.440	78.290	78.420
134	72.660	70.670	69.850	70.230	71.200	73.360	74.640	75.240	75.210	75.270
135	69.680	67.930	67.100	67.490	68.460	70.370	71.530	72.230	72.230	72.310
136	66.780	65.170	64.390	64.830	65.990	67.450	68.540	69.170	69.340	69.510
137	64.030	62.560	61.720	62.170	63.560	64.790	65.750	66.330	66.560	66.740
138	61.180	60.040	59.160	59.610	61.120	62.200	63.090	63.710	64.010	64.120
139	58.350	57.420	56.600	57.110	58.580	59.730	60.660	61.160	61.480	61.500
140	55.510	54.890	54.140	54.570	56.040	57.180	58.250	58.590	58.910	58.950
141	52.880	52.170	51.610	51.970	53.520	54.720	55.800	56.040	56.330	56.350
142	50.110	49.600	49.000	49.340	51.120	52.290	53.370	53.560	53.730	53.940
143	47.550	47.140	46.600	46.860	48.660	49.990	50.970	51.080	51.230	51.440
144	45.190	44.870	44.330	44.560	46.400	47.690	48.480	48.670	48.700	49.090
145	42.960	42.690	42.140	42.420	44.260	45.530	46.080	46.150	46.220	46.720
146	40.750	40.480	40.000	40.370	42.040	43.240	43.750	43.650	43.790	44.330
147	38.540	38.340	37.860	38.240	39.820	40.860	41.250	41.070	41.410	41.910

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CANDELA TABULATION - (Cont.)

148	36.410	36.220	35.920	36.200	37.540	38.350	38.650	38.450	38.890	39.350
149	34.260	34.240	33.880	34.180	35.270	35.860	36.050	35.920	36.350	36.900
150	32.060	32.080	31.930	32.170	32.960	33.320	33.520	33.370	33.900	34.500
151	29.760	29.910	29.890	30.150	30.660	30.880	30.960	30.850	31.390	32.030
152	27.430	27.600	27.700	28.030	28.270	28.360	28.310	28.320	28.820	29.560
153	25.010	25.230	25.470	25.880	25.810	25.820	25.660	25.730	26.150	27.010
154	22.620	22.850	23.220	23.530	23.450	23.290	23.020	23.110	23.550	24.460
155	20.310	20.520	20.980	21.460	21.060	20.740	20.430	20.560	20.920	21.930
156	18.110	18.290	19.000	19.500	18.920	18.370	18.080	18.070	18.480	19.540
157	16.180	16.400	17.130	17.590	16.990	16.320	16.030	16.050	16.270	17.300
158	14.330	14.530	15.340	15.750	15.240	14.380	14.150	14.180	14.280	15.260
159	12.480	12.840	13.580	14.070	13.480	12.610	12.300	12.320	12.440	13.410
160	10.850	11.310	12.000	12.430	11.820	11.060	10.640	10.640	10.820	11.820
161	9.380	9.880	10.490	10.760	10.310	9.700	9.410	9.380	9.520	10.350
162	8.230	8.630	9.040	9.150	8.910	8.580	8.320	8.350	8.470	9.030
163	7.160	7.470	7.700	7.640	7.520	7.540	7.410	7.530	7.570	7.830
164	6.320	6.550	6.650	6.590	6.590	6.740	6.880	7.040	6.980	6.910
165	5.710	5.820	5.960	6.090	6.350	6.390	6.670	6.960	6.770	6.390
166	5.400	5.520	5.770	6.070	6.310	6.410	6.620	6.920	6.760	6.410
167	5.400	5.520	5.780	6.020	6.190	6.370	6.610	6.840	6.750	6.410
168	5.340	5.380	5.550	5.640	5.790	6.170	6.480	6.650	6.690	6.330
169	5.050	5.100	5.190	5.400	5.750	6.020	6.270	6.410	6.450	6.080
170	4.770	4.790	5.020	5.320	5.650	5.790	5.800	5.960	6.060	6.080
171	4.450	4.390	4.440	4.460	4.450	4.530	4.700	4.910	5.240	5.660
172	3.820	3.570	3.340	3.220	3.180	3.210	3.380	3.620	3.900	4.380
173	2.890	2.640	2.410	2.270	2.170	2.190	3.070	2.460	2.840	3.260
174	2.150	1.970	1.830	1.800	1.780	1.800	2.750	1.850	2.140	2.470
175	1.740	1.720	1.780	1.820	1.780	1.780	2.430	1.780	1.760	1.830
176	1.720	1.720	1.760	1.800	1.760	1.780	2.110	1.780	1.760	1.760
177	1.700	1.720	1.760	1.800	1.760	1.780	1.800	1.780	1.760	1.760
178	1.700	1.720	1.760	1.800	1.760	1.780	1.800	1.780	1.760	1.760
179	1.700	1.740	1.780	1.800	1.760	1.800	1.800	1.800	1.760	1.760
180	1.590	1.590	1.590	1.590	1.590	1.590	1.590	1.590	1.590	1.590

**Vert.
Angles**

Horizontal Angles

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0	468.262	468.262	468.262	468.262	468.262	468.262	468.262	468.262	468.262	468.262
1	467.480	467.950	468.340	467.980	469.450	472.980	476.430	470.610	469.270	473.380
2	468.070	468.530	468.930	469.110	476.680	493.940	513.250	491.520	472.970	470.400
3	468.400	469.910	471.310	469.270	470.030	469.920	469.950	470.190	469.410	469.720
4	468.560	496.110	518.990	470.780	470.360	472.540	470.950	469.800	469.670	470.210
5	471.330	475.350	475.440	471.820	472.090	506.750	481.640	470.610	469.990	471.070
6	480.010	520.410	473.700	472.980	473.840	475.640	474.650	472.090	470.300	470.480
7	478.350	483.450	476.330	475.510	476.880	478.260	477.940	474.850	478.230	473.890
8	483.180	480.670	480.720	481.390	488.430	481.520	480.890	477.300	512.650	474.520
9	498.440	484.450	485.140	487.400	493.020	492.600	486.830	480.530	510.370	476.790
10	491.770	488.990	491.740	492.380	500.620	491.160	490.080	484.480	487.090	480.790
11	496.320	497.000	499.770	497.930	495.050	497.220	496.100	487.560	485.450	486.150
12	503.480	506.650	508.450	504.510	499.910	511.110	504.010	529.710	490.230	491.240
13	516.100	521.590	519.450	508.890	505.830	539.970	511.810	518.110	496.020	498.720
14	531.450	532.600	531.700	518.050	514.250	520.100	520.030	505.050	503.680	506.640
15	550.300	564.690	543.370	530.250	528.660	553.270	531.930	515.720	514.730	515.840
16	569.020	562.790	558.150	545.340	549.130	565.580	549.800	551.040	526.980	527.560
17	588.710	584.730	573.910	563.590	598.310	554.870	569.270	548.880	544.350	542.410
18	608.400	606.670	594.840	586.990	590.010	572.900	589.850	566.610	617.500	561.550

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CANDELA TABULATION - (Cont.)

19	628.150	628.730	615.770	610.390	607.950	595.630	610.440	586.460	594.710	581.730
20	650.000	654.380	636.700	633.790	625.920	618.370	631.040	610.080	594.840	601.200
21	676.190	679.720	657.810	656.800	648.810	641.600	653.600	632.970	617.120	619.760
22	700.400	701.630	681.990	678.080	674.450	663.700	674.160	653.480	638.990	637.540
23	736.530	724.700	707.320	701.410	701.310	687.840	691.540	677.060	676.390	656.010
24	756.110	743.670	731.990	730.560	720.190	716.370	708.210	699.910	688.920	678.000
25	781.910	761.060	755.400	758.260	742.520	742.190	727.800	721.930	695.760	699.560
26	804.650	782.760	776.010	783.100	764.240	763.640	750.200	750.760	715.190	719.890
27	826.050	806.880	798.990	805.400	785.090	784.780	771.790	780.510	739.660	742.560
28	854.390	839.210	828.040	832.400	806.810	807.540	795.990	785.010	766.760	767.390
29	878.620	863.650	858.510	862.020	826.990	829.040	815.790	807.530	788.150	796.460
30	906.500	888.530	881.430	881.840	846.590	851.530	841.260	829.930	807.850	815.520
31	978.030	913.290	903.980	903.860	868.750	873.520	863.460	848.640	831.700	838.120
32	953.990	943.960	930.910	923.590	887.250	894.920	885.120	872.130	857.180	860.360
33	977.990	970.460	958.550	948.120	909.020	918.130	907.990	892.680	881.790	899.360
34	1000.470	988.670	986.360	973.410	930.430	942.590	933.490	914.270	905.250	901.350
35	1025.140	1009.010	1006.060	990.590	953.270	966.680	953.590	935.010	930.810	924.640
36	1054.020	1034.680	1026.380	1011.430	975.900	990.600	972.590	957.080	957.180	948.070
37	1079.610	1065.240	1051.610	1029.920	992.320	1009.850	998.300	988.430	978.150	974.560
38	1098.890	1083.800	1080.010	1047.420	1017.050	1026.790	1022.210	1015.510	996.340	992.330
39	1112.940	1100.960	1096.310	1067.610	1037.070	1053.760	1046.740	1029.770	1015.290	1007.370
40	1133.260	1116.330	1111.640	1087.510	1050.080	1075.990	1074.510	1045.990	1037.040	1022.680
41	1156.410	1140.160	1131.110	1106.790	1066.410	1101.990	1096.210	1071.980	1057.500	1050.840
42	1176.700	1169.000	1147.320	1130.460	1091.200	1116.910	1112.850	1089.770	1078.070	1073.180
43	1198.880	1184.100	1162.080	1146.890	1112.630	1130.180	1138.080	1112.560	1087.330	1087.150
44	1220.820	1200.010	1184.900	1171.550	1131.220	1152.280	1155.230	1132.340	1090.890	1099.630
45	1238.490	1216.270	1200.730	1184.470	1145.350	1173.460	1171.090	1148.960	1106.220	1108.920
46	1254.270	1230.580	1215.010	1197.380	1158.810	1182.050	1185.880	1165.570	1120.780	1123.190
47	1265.060	1240.800	1223.950	1199.860	1168.600	1201.370	1198.930	1182.170	1133.480	1138.160
48	1277.390	1249.490	1230.550	1196.110	1181.130	1208.800	1216.560	1192.800	1146.130	1153.140
49	1288.180	1255.020	1236.730	1204.970	1188.720	1212.980	1222.060	1193.700	1158.790	1168.130
50	1293.580	1259.070	1242.250	1220.740	1202.500	1227.660	1223.450	1204.430	1160.950	1170.200
51	1300.820	1270.230	1246.010	1225.090	1211.010	1237.210	1229.290	1207.620	1157.840	1172.290
52	1303.820	1270.730	1250.380	1227.000	1216.390	1242.870	1233.720	1208.310	1163.840	1180.690
53	1307.730	1275.150	1248.810	1227.840	1211.370	1243.030	1235.840	1212.320	1171.470	1184.580
54	1313.210	1276.550	1252.090	1228.270	1210.980	1241.380	1236.860	1219.760	1178.940	1191.000
55	1304.950	1269.910	1249.100	1231.230	1218.170	1240.520	1234.960	1223.050	1183.060	1188.040
56	1295.680	1256.290	1243.530	1233.000	1218.840	1238.190	1233.920	1214.710	1177.050	1178.940
57	1287.360	1242.630	1239.530	1220.680	1211.900	1237.460	1226.070	1207.190	1164.540	1167.060
58	1274.570	1238.860	1230.290	1209.400	1197.950	1227.730	1225.390	1199.720	1146.520	1162.020
59	1266.900	1232.710	1219.620	1206.800	1187.230	1216.320	1216.050	1193.280	1140.220	1150.470
60	1260.380	1232.120	1205.900	1200.230	1184.130	1203.570	1204.980	1188.750	1137.770	1140.840
61	1248.970	1223.590	1193.220	1186.930	1176.850	1186.960	1185.680	1176.920	1136.250	1132.660
62	1237.820	1212.510	1177.560	1173.590	1160.740	1182.320	1172.610	1161.850	1133.490	1128.140
63	1224.520	1189.750	1160.120	1156.320	1144.630	1165.990	1157.460	1143.750	1123.310	1120.050
64	1204.110	1167.450	1142.670	1139.050	1128.460	1149.650	1142.300	1133.240	1094.630	1104.040
65	1188.020	1145.150	1124.910	1121.480	1108.210	1133.470	1127.190	1121.470	1073.790	1083.140
66	1164.510	1122.840	1095.620	1094.210	1091.230	1122.790	1113.560	1105.960	1066.180	1064.690
67	1141.010	1096.010	1073.940	1064.240	1071.410	1099.660	1102.060	1086.810	1055.750	1049.520
68	1117.520	1074.270	1057.420	1049.630	1047.960	1079.180	1079.840	1080.130	1050.150	1030.950
69	1101.430	1046.770	1036.710	1035.660	1027.880	1055.490	1051.620	1062.300	1029.530	1016.300
70	1078.210	1025.020	1014.420	1010.720	1009.310	1034.070	1033.790	1038.200	1003.450	988.220
71	1058.270	1007.680	993.790	992.490	988.880	1017.030	1016.850	1015.710	977.860	971.860
72	1032.690	985.870	974.160	972.140	980.360	996.270	1005.290	991.700	959.910	952.130
73	1003.340	964.190	944.570	947.180	955.500	990.830	990.760	974.370	936.450	933.190
74	977.050	945.150	922.410	928.260	924.470	972.810	960.020	952.420	917.850	909.750

CANDELA TABULATION - (Cont.)

75	949.780	921.400	900.630	917.910	899.620	942.600	937.940	930.270	903.380	895.620
76	927.930	898.140	879.020	908.990	886.470	918.210	914.550	909.040	878.370	872.040
77	905.810	862.220	853.360	871.680	865.960	895.680	884.560	884.370	845.060	843.310
78	878.930	832.580	822.710	835.580	840.000	868.550	863.820	855.790	821.910	820.420
79	848.740	814.980	799.340	817.430	810.450	843.030	844.120	832.810	802.040	793.960
80	832.990	802.640	776.420	799.440	782.900	821.340	821.400	814.110	781.770	772.350
81	814.750	789.810	759.190	779.230	757.920	794.200	804.660	791.770	763.030	752.840
82	787.470	768.760	738.090	750.410	740.680	764.100	776.030	764.860	741.870	735.420
83	751.630	732.450	714.840	726.860	722.280	736.130	743.780	738.760	716.250	709.430
84	717.490	693.890	684.850	701.080	695.790	715.270	716.350	716.280	693.810	687.420
85	684.860	660.730	652.580	678.070	667.180	693.190	693.580	689.390	665.040	658.520
86	653.380	642.890	622.960	643.110	634.690	668.660	666.580	661.530	641.930	636.900
87	633.640	619.070	599.100	614.360	607.240	637.130	639.420	632.180	620.660	621.860
88	608.060	591.420	578.800	588.590	584.100	607.540	618.200	610.860	596.800	596.990
89	580.740	556.060	552.930	566.750	562.060	581.990	590.990	589.650	572.900	571.990
90	556.740	529.460	529.160	542.510	537.380	557.580	564.060	568.450	552.600	546.650
91	528.950	511.520	506.710	519.590	515.140	536.520	540.550	550.660	534.030	525.110
92	505.980	491.890	481.410	489.210	498.610	514.490	518.190	526.500	512.150	508.440
93	485.590	466.380	461.810	467.690	475.800	489.940	494.990	497.440	490.580	487.760
94	461.250	447.430	443.900	448.970	446.870	467.060	470.820	472.160	467.770	464.660
95	441.510	425.330	421.970	430.310	426.290	443.440	449.010	449.550	445.830	445.410
96	421.830	405.980	401.360	413.260	409.750	422.100	429.020	431.490	426.500	428.250
97	398.630	387.110	381.930	393.000	393.990	405.530	409.540	414.540	408.750	408.320
98	375.080	364.220	363.840	371.470	375.340	387.070	391.240	397.010	390.760	385.210
99	352.910	344.280	344.100	351.620	359.130	367.560	369.940	379.430	372.990	367.530
100	333.950	325.110	325.590	334.670	340.620	348.540	350.380	358.280	353.970	348.900
101	313.910	307.480	309.180	316.310	321.510	329.950	332.580	339.300	336.510	331.670
102	295.680	290.530	293.190	299.080	304.570	314.280	316.440	322.670	319.950	314.850
103	277.940	274.570	277.610	283.040	288.930	298.300	302.290	307.090	303.920	298.430
104	261.480	258.990	261.710	267.680	273.970	282.660	287.580	292.780	287.980	283.050
105	246.540	245.010	246.470	253.590	259.730	267.980	272.000	278.330	273.480	269.420
106	232.770	230.110	232.100	241.010	247.470	254.920	257.320	264.310	260.120	255.930
107	219.920	217.300	219.470	230.370	236.760	243.160	245.170	251.930	247.950	243.350
108	207.880	206.480	208.660	219.500	226.500	232.100	234.080	240.310	236.570	232.330
109	197.530	196.860	199.490	210.040	215.740	221.480	223.360	229.580	226.650	222.120
110	188.210	187.970	190.720	200.600	206.490	212.300	213.390	219.610	217.020	213.020
111	179.650	179.540	182.160	191.240	197.380	202.940	204.540	209.980	208.060	204.410
112	171.830	171.430	174.180	182.660	189.040	194.360	195.940	201.400	199.560	196.020
113	164.220	163.580	166.710	175.020	181.400	185.680	187.960	193.390	191.560	188.290
114	157.630	156.670	160.190	167.930	173.940	178.250	180.500	185.710	183.840	180.550
115	151.740	150.950	154.380	161.210	167.100	171.110	173.220	178.560	176.930	173.990
116	146.490	145.720	149.110	155.100	161.080	164.830	167.000	172.120	170.510	167.780
117	141.400	140.640	144.020	149.380	155.290	158.960	161.250	166.210	164.330	161.820
118	136.810	135.890	139.220	143.970	149.640	153.570	155.790	160.410	158.530	156.000
119	132.500	131.350	134.590	139.140	144.270	148.280	150.530	154.910	153.420	150.870
120	128.560	127.250	130.340	134.490	139.250	143.130	145.570	150.000	148.620	146.360
121	124.890	123.620	126.550	130.530	134.820	138.390	140.920	145.380	144.240	142.080
122	121.270	120.090	123.060	126.730	130.640	133.850	136.370	140.840	140.100	138.090
123	118.090	116.970	119.740	123.220	126.820	129.630	131.970	136.600	136.040	134.180
124	115.030	113.970	116.680	119.840	122.940	125.450	127.550	132.070	131.700	130.180
125	111.100	110.080	113.260	116.140	118.710	121.150	123.000	127.580	127.160	126.100
126	106.250	105.480	108.730	111.780	114.220	116.670	118.240	122.950	122.780	122.090
127	100.890	100.780	103.540	106.600	109.740	112.190	113.680	118.660	118.500	117.870
128	96.300	96.370	99.070	101.970	105.210	107.720	109.280	114.430	114.380	113.960
129	92.120	92.180	94.920	97.670	100.910	103.710	105.390	110.550	110.480	110.060
130	88.290	88.320	91.020	93.800	96.940	99.890	101.630	106.680	106.720	106.150

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CANDELA TABULATION - (Cont.)

131	84.570	84.650	87.260	90.040	93.170	96.170	97.950	102.890	102.920	102.550
132	81.080	81.100	83.730	86.530	89.500	92.550	94.500	99.220	99.470	99.190
133	77.970	77.810	80.490	83.050	86.080	89.000	91.150	95.740	96.040	95.870
134	74.830	74.730	77.200	79.850	82.660	85.480	87.680	92.320	92.950	92.620
135	71.840	71.630	74.120	76.630	79.410	82.150	84.360	88.860	89.650	89.530
136	68.850	68.740	71.140	73.580	76.200	78.820	81.090	85.440	86.300	86.250
137	66.160	65.840	68.190	70.570	73.090	75.540	77.630	81.950	82.890	82.820
138	63.590	63.100	65.290	67.710	70.030	72.210	74.250	78.350	79.340	79.340
139	61.080	60.480	62.480	64.880	67.070	68.990	70.890	74.800	75.880	75.930
140	58.460	57.770	59.780	62.160	64.320	65.950	67.590	71.240	72.310	72.450
141	55.870	55.170	57.110	59.560	61.570	63.050	64.390	67.810	68.700	68.960
142	53.270	52.580	54.570	57.020	58.960	60.340	61.390	64.310	65.190	65.670
143	50.680	49.960	52.070	54.560	56.400	57.750	58.400	61.210	61.960	62.260
144	48.100	47.410	49.610	52.100	53.940	55.230	55.740	58.130	58.820	58.980
145	45.660	45.010	47.160	49.760	51.570	52.770	53.190	55.380	55.750	55.830
146	43.330	42.780	44.890	47.410	49.100	50.190	50.660	52.650	52.870	52.890
147	40.990	40.600	42.810	45.200	46.720	47.730	48.240	50.070	50.250	49.960
148	38.650	38.520	40.690	43.020	44.390	45.340	45.830	47.560	47.670	47.260
149	36.260	36.500	38.620	40.740	42.110	43.060	43.540	45.330	45.280	44.760
150	34.000	34.470	36.540	38.460	39.870	40.720	41.250	42.970	42.910	42.250
151	31.660	32.320	34.440	36.170	37.510	38.400	39.010	40.570	40.550	39.860
152	29.400	30.110	32.150	33.890	35.230	36.060	36.600	38.190	38.210	37.500
153	27.160	27.880	29.840	31.490	32.730	33.600	34.250	35.760	35.790	35.260
154	25.020	25.830	27.490	29.010	30.210	31.080	31.780	33.230	33.400	32.920
155	22.760	23.720	25.140	26.560	27.720	28.570	29.250	30.870	31.040	30.660
156	20.480	21.620	22.850	24.180	25.290	26.170	26.870	28.500	28.700	28.450
157	18.420	19.680	20.630	21.860	22.850	23.740	24.560	26.180	26.440	26.310
158	16.590	17.760	18.500	19.530	20.470	21.460	22.250	23.860	24.160	24.100
159	14.840	16.000	16.640	17.350	18.230	19.280	20.050	21.640	21.890	21.970
160	13.250	14.290	14.760	15.470	16.270	17.260	18.020	19.460	19.740	19.960
161	11.670	12.690	13.080	13.570	14.360	15.340	16.120	17.340	17.640	17.980
162	10.220	11.150	11.540	11.800	12.490	13.400	14.210	15.380	15.740	16.090
163	8.780	9.600	9.980	10.230	10.780	11.640	12.370	13.450	13.790	14.210
164	7.320	8.120	8.580	8.890	9.300	9.960	10.570	11.500	11.910	12.470
165	6.070	6.830	7.390	7.700	8.040	8.470	8.970	9.700	10.270	10.880
166	6.060	6.050	6.490	6.750	6.970	7.330	7.790	8.420	8.900	9.470
167	6.280	6.010	6.090	6.290	6.440	6.740	7.030	7.310	7.750	8.190
168	6.160	6.000	5.770	5.840	5.880	6.050	6.270	6.380	6.740	7.110
169	5.730	5.660	5.480	5.390	5.360	5.400	5.470	5.520	5.800	6.060
170	5.690	5.410	5.280	5.070	4.990	4.820	4.760	4.740	4.910	5.070
171	5.650	5.250	5.040	4.770	4.580	4.400	4.220	4.070	4.140	4.240
172	4.890	4.790	4.540	4.290	4.030	3.890	3.840	3.540	3.580	3.660
173	3.800	4.030	3.950	3.720	3.530	3.450	3.360	3.290	3.350	3.430
174	2.900	3.290	3.360	3.310	3.220	3.060	3.060	3.140	3.210	3.320
175	2.110	2.490	2.760	2.910	2.920	2.940	2.960	3.020	3.130	3.210
176	1.800	1.840	2.100	2.330	2.580	2.690	2.770	2.960	3.050	3.170
177	1.800	1.820	1.800	1.820	1.990	2.220	2.420	2.640	2.730	2.890
178	1.800	1.800	1.800	1.820	1.820	1.840	1.830	1.990	2.100	2.180
179	1.800	1.820	1.800	1.800	1.820	1.840	1.740	1.700	1.780	1.820
180	1.590	1.590	1.590	1.590	1.590	1.590	1.590	1.590	1.590	1.590

**Vert.
Angles**

Horizontal Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	468.262	468.262	468.262	468.262	468.262	468.262	468.262
1	478.360	483.100	485.720	484.920	481.440	475.520	470.170

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CANDELA TABULATION - (Cont.)

2	472.520	479.270	484.710	483.340	473.280	469.440	469.450
3	469.040	469.700	469.030	469.710	469.390	469.400	469.790
4	469.240	469.600	468.990	470.080	470.860	480.950	496.240
5	469.980	470.610	470.450	471.700	472.840	491.740	481.160
6	471.140	471.770	472.440	474.220	475.590	476.940	479.360
7	500.860	473.960	475.330	477.410	479.160	481.310	522.370
8	478.230	478.330	485.660	480.320	483.380	486.840	489.750
9	480.340	483.310	489.850	483.550	487.000	493.360	493.530
10	485.970	486.640	485.930	486.800	491.900	498.200	499.110
11	490.590	489.070	489.450	491.380	497.060	503.880	504.510
12	494.970	493.590	496.120	496.000	503.630	510.780	542.380
13	500.910	499.830	504.150	501.930	512.120	520.860	522.410
14	507.160	505.880	513.210	511.000	522.880	534.050	526.880
15	516.640	514.020	522.400	522.970	537.840	545.510	537.640
16	528.970	526.290	535.690	535.190	607.040	557.620	577.160
17	543.390	540.260	553.180	549.680	569.090	574.250	571.420
18	561.910	557.340	572.700	565.400	587.700	595.460	586.560
19	581.430	576.570	590.400	585.600	608.470	617.930	608.920
20	597.920	596.720	606.480	609.000	629.700	638.910	631.590
21	616.740	619.630	623.040	633.880	669.150	659.130	650.910
22	638.040	642.230	642.030	657.510	680.550	679.120	673.300
23	659.960	665.750	664.260	702.800	689.850	697.930	698.450
24	679.430	689.400	687.380	739.270	712.510	716.480	724.350
25	697.480	710.190	709.800	721.380	777.870	737.680	747.270
26	717.670	730.380	731.470	740.740	759.570	757.950	768.320
27	740.210	752.150	752.060	762.850	776.980	776.920	790.050
28	763.360	775.020	773.270	785.400	796.370	797.220	812.110
29	787.390	799.380	794.410	807.940	818.820	819.020	834.400
30	814.240	828.530	816.730	832.210	843.350	845.280	856.070
31	838.140	859.230	844.150	856.350	869.150	871.050	880.180
32	858.440	883.930	868.220	881.700	894.720	894.420	908.240
33	880.550	901.820	888.410	905.190	915.820	919.010	932.250
34	901.710	920.350	912.290	928.550	938.820	945.370	958.470
35	928.760	946.000	934.810	950.170	966.810	973.400	978.910
36	949.670	973.890	959.630	976.410	993.170	997.900	999.330
37	972.440	991.360	983.250	1000.180	1017.580	1026.960	1023.650
38	997.040	1012.040	1004.550	1022.990	1043.690	1051.570	1050.920
39	1016.520	1042.420	1023.040	1048.190	1068.870	1078.120	1072.000
40	1039.510	1063.010	1040.440	1071.250	1095.200	1101.810	1091.730
41	1055.890	1069.950	1062.650	1085.530	1115.860	1118.720	1118.120
42	1074.820	1092.330	1082.130	1100.070	1142.680	1148.970	1143.760
43	1095.310	1114.260	1096.170	1119.570	1169.590	1179.340	1169.390
44	1115.480	1128.950	1113.850	1139.780	1196.490	1209.710	1195.020
45	1123.830	1145.910	1130.430	1160.000	1217.130	1228.710	1210.730
46	1128.020	1162.870	1148.180	1180.220	1226.700	1235.970	1225.580
47	1145.030	1179.830	1165.960	1185.820	1235.910	1247.260	1243.960
48	1162.220	1191.700	1183.730	1187.530	1251.550	1266.310	1253.330
49	1179.410	1201.930	1185.110	1193.740	1265.480	1288.540	1260.640
50	1183.610	1204.280	1180.090	1206.330	1279.470	1294.910	1263.330
51	1177.800	1211.350	1187.110	1217.800	1283.930	1296.390	1266.670
52	1181.690	1213.390	1190.190	1224.110	1280.880	1293.050	1278.870
53	1196.060	1212.990	1200.770	1227.770	1280.630	1299.360	1291.060
54	1195.900	1209.460	1199.150	1230.890	1280.010	1309.140	1294.830
55	1187.580	1207.510	1189.740	1229.290	1291.210	1304.350	1295.540
56	1183.860	1197.990	1183.250	1222.730	1290.800	1298.980	1282.700
57	1181.550	1191.690	1183.440	1224.980	1284.960	1290.620	1271.570

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CANDELA TABULATION - (Cont.)

58	1167.020	1195.360	1179.020	1222.930	1270.330	1278.720	1274.330
59	1156.810	1179.290	1179.200	1204.400	1255.450	1274.500	1275.180
60	1150.950	1165.330	1174.860	1193.280	1250.040	1264.230	1264.000
61	1137.800	1150.380	1165.090	1196.190	1239.270	1259.390	1249.740
62	1125.000	1144.100	1146.550	1190.300	1235.110	1251.760	1243.190
63	1119.600	1130.760	1134.530	1173.020	1229.920	1231.350	1234.870
64	1108.520	1124.170	1125.220	1170.600	1209.930	1216.800	1211.430
65	1084.920	1106.130	1101.810	1158.000	1188.640	1204.190	1204.570
66	1068.660	1087.490	1084.540	1133.390	1167.170	1193.410	1171.320
67	1050.800	1066.140	1068.720	1105.230	1153.830	1167.740	1146.420
68	1028.180	1043.730	1055.830	1085.460	1131.890	1133.880	1130.420
69	1013.660	1033.980	1045.490	1076.020	1111.720	1106.820	1108.910
70	997.120	1012.510	1020.580	1065.670	1080.900	1097.850	1092.620
71	983.600	984.610	992.600	1047.310	1063.760	1085.830	1075.620
72	962.340	960.260	967.290	1026.400	1041.400	1061.820	1044.840
73	930.260	942.070	948.160	995.530	1026.880	1034.810	1011.280
74	901.860	920.610	930.920	970.260	1006.990	1004.090	990.310
75	886.610	898.210	910.730	942.800	976.260	975.700	974.530
76	867.630	869.220	886.920	918.280	943.670	948.110	946.060
77	842.200	844.990	867.370	895.060	915.380	926.470	918.110
78	821.880	827.000	840.650	881.680	893.860	906.000	897.190
79	802.030	799.760	811.670	858.110	865.340	876.360	863.180
80	767.940	776.710	790.940	824.170	848.700	836.900	824.310
81	743.820	750.980	766.480	789.360	819.660	801.320	784.580
82	725.040	722.660	738.770	759.510	779.940	772.720	764.800
83	700.240	702.990	711.820	732.810	744.600	742.440	742.450
84	680.290	677.190	689.300	709.650	722.110	718.390	718.540
85	657.640	647.870	659.550	685.610	698.790	693.320	687.760
86	631.550	627.580	638.260	661.690	678.370	668.470	655.080
87	607.890	606.080	614.110	643.070	657.290	639.650	627.090
88	584.280	584.550	589.890	617.180	631.860	613.410	600.960
89	560.670	563.020	565.670	591.190	603.670	587.200	574.850
90	542.350	535.910	547.730	565.190	575.470	560.980	548.740
91	519.750	511.340	527.600	540.500	547.280	539.660	530.490
92	497.830	486.670	500.700	516.470	529.680	513.360	507.970
93	476.590	468.040	476.560	495.110	507.180	491.750	482.090
94	457.360	452.340	460.830	472.490	483.590	469.660	454.460
95	437.460	435.160	441.940	451.840	462.380	450.370	432.500
96	416.920	413.880	421.160	430.830	437.960	429.810	417.920
97	397.520	397.280	401.090	409.950	416.740	411.280	398.360
98	377.140	377.360	381.480	389.620	398.710	390.530	381.490
99	359.260	357.660	362.520	373.360	379.210	367.460	362.650
100	342.200	338.340	345.500	355.770	358.550	352.000	341.670
101	326.090	323.090	328.760	340.680	339.630	338.790	325.080
102	309.000	308.100	312.130	323.380	324.240	323.010	311.450
103	292.530	293.140	296.820	307.000	310.490	305.380	297.520
104	277.220	277.370	283.140	291.440	295.970	289.600	282.650
105	263.400	262.640	270.150	277.340	280.910	276.630	268.670
106	250.050	249.800	256.590	262.720	266.490	263.900	255.750
107	238.250	237.350	243.630	249.750	253.030	251.420	245.370
108	226.850	226.210	231.870	237.760	241.000	239.790	234.360
109	216.840	215.610	221.610	226.600	229.850	229.020	224.030
110	207.570	206.070	211.920	216.980	219.690	219.240	214.450
111	198.390	197.720	202.820	208.050	210.540	210.220	205.510
112	190.220	189.860	194.330	199.640	202.120	201.570	197.320
113	182.820	182.280	186.670	191.690	194.120	193.320	189.510

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CANDELA TABULATION - (Cont.)

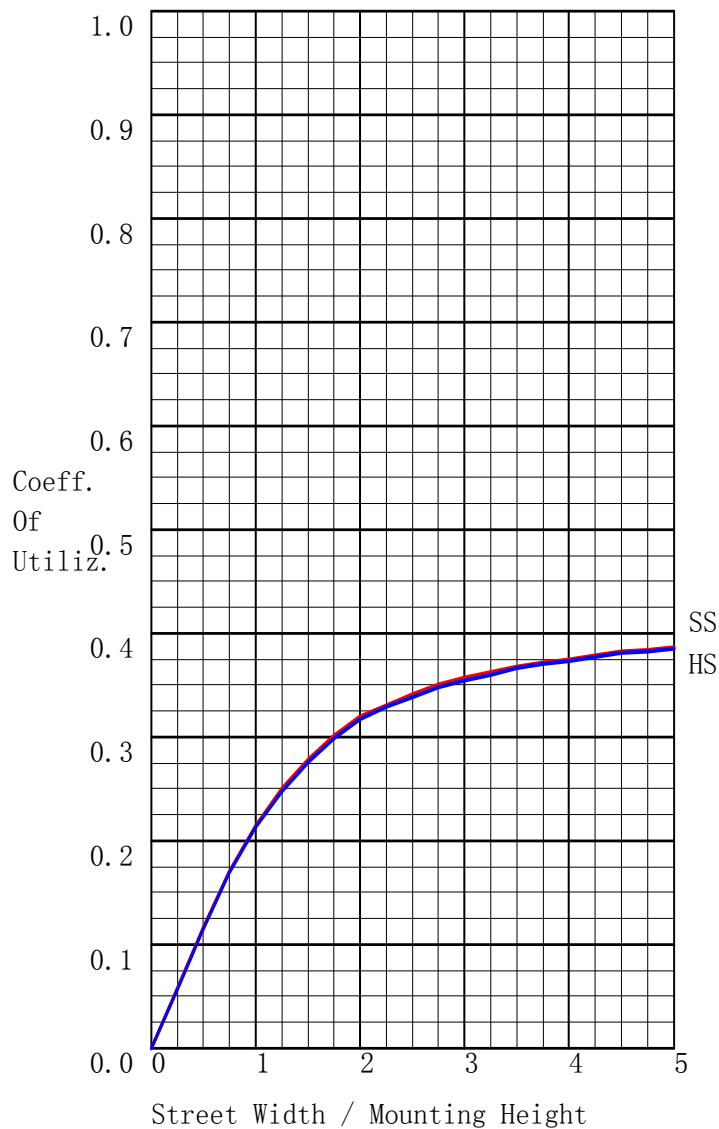
114	175.770	175.070	179.480	184.070	186.620	185.570	182.470
115	169.320	168.560	172.980	176.690	179.570	178.230	175.970
116	163.430	162.760	167.110	170.230	172.850	171.910	169.920
117	157.920	157.580	161.600	164.360	166.750	166.110	164.250
118	152.830	152.920	156.580	159.020	161.110	161.100	159.350
119	148.080	148.430	151.890	154.370	156.220	156.430	155.010
120	143.750	144.250	147.460	150.090	151.850	152.210	150.960
121	139.800	140.310	143.350	146.120	147.670	148.100	147.130
122	135.980	136.490	139.440	142.260	143.780	144.210	143.300
123	132.250	132.880	135.660	138.440	139.960	140.430	139.700
124	128.590	129.450	132.180	135.060	136.140	136.570	135.930
125	124.900	126.010	128.920	131.840	132.520	132.770	132.170
126	121.090	122.320	125.590	128.280	128.800	128.930	128.180
127	117.240	118.550	121.840	124.300	125.050	124.920	123.870
128	113.390	114.820	118.000	119.970	120.630	120.570	119.650
129	109.660	111.170	114.150	115.820	116.390	116.290	115.510
130	105.940	107.530	110.240	111.830	112.440	112.300	111.600
131	102.630	104.070	106.440	107.920	108.570	108.440	107.820
132	99.400	100.510	102.580	104.120	104.700	104.620	104.010
133	96.180	97.230	98.920	100.380	100.860	101.010	100.310
134	92.960	93.860	95.400	96.760	97.070	97.450	96.690
135	89.790	90.510	91.840	93.140	93.450	93.850	92.990
136	86.440	87.120	88.320	89.530	89.890	90.260	89.170
137	83.040	83.640	84.710	85.880	86.260	86.510	85.340
138	79.530	79.950	81.120	82.210	82.540	82.760	81.520
139	75.990	76.360	77.500	78.460	78.860	78.980	77.670
140	72.590	72.800	74.020	74.810	75.200	75.220	73.890
141	69.020	69.280	70.380	71.210	71.620	71.410	70.060
142	65.530	65.880	66.980	67.750	67.990	67.610	66.300
143	62.140	62.470	63.600	64.380	64.480	63.960	62.610
144	58.820	59.140	60.230	61.060	60.870	60.370	59.140
145	55.530	55.890	56.910	57.750	57.580	57.010	55.890
146	52.430	52.660	53.770	54.550	54.360	53.830	52.610
147	49.370	49.620	50.490	51.460	51.220	50.720	49.420
148	46.480	46.760	47.640	48.390	48.220	47.670	46.470
149	43.920	44.090	44.950	45.690	45.360	44.790	43.630
150	41.380	41.500	42.370	43.050	42.670	41.970	40.840
151	38.870	38.950	39.750	40.380	39.930	39.230	38.130
152	36.520	36.620	37.340	37.790	37.260	36.580	35.530
153	34.260	34.280	34.880	35.280	34.700	33.900	32.890
154	32.090	32.030	32.580	32.800	32.140	31.320	30.330
155	30.000	29.810	30.190	30.390	29.660	28.860	27.850
156	27.910	27.680	27.930	28.060	27.310	26.480	25.480
157	25.820	25.630	25.820	25.830	25.090	24.200	23.110
158	23.840	23.660	23.690	23.570	22.870	21.920	20.900
159	21.860	21.770	21.630	21.420	20.710	19.760	18.720
160	19.940	19.890	19.660	19.290	18.530	17.580	16.630
161	18.020	18.100	17.760	17.350	16.510	15.500	14.570
162	16.350	16.530	16.010	15.460	14.480	13.530	12.600
163	14.710	14.870	14.390	13.560	12.580	11.610	10.680
164	13.050	13.230	12.800	11.840	10.700	9.760	9.030
165	11.430	11.560	11.200	10.310	9.320	8.440	7.790
166	9.920	10.030	9.700	8.930	8.030	7.270	6.740
167	8.490	8.620	8.300	7.690	6.960	6.310	5.930
168	7.260	7.320	7.040	6.640	6.100	5.570	5.340
169	6.180	6.130	5.910	5.630	5.300	5.040	5.040

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CANDELA TABULATION - (Cont.)

170	5.150	5.080	4.880	4.670	4.590	4.650	4.920
171	4.290	4.240	4.190	4.200	4.370	4.590	4.790
172	3.750	3.830	4.000	4.170	4.340	4.460	4.630
173	3.540	3.680	3.810	4.020	4.140	4.290	4.580
174	3.400	3.540	3.670	3.750	3.960	4.210	4.540
175	3.350	3.470	3.650	3.800	3.940	4.230	4.410
176	3.310	3.460	3.630	3.750	3.790	3.660	3.470
177	2.970	3.010	3.010	3.000	2.940	2.830	2.660
178	2.260	2.280	2.290	2.300	2.260	2.160	2.090
179	1.850	1.840	1.880	1.900	1.890	1.840	1.840
180	1.590	1.590	1.590	1.590	1.590	1.590	1.590

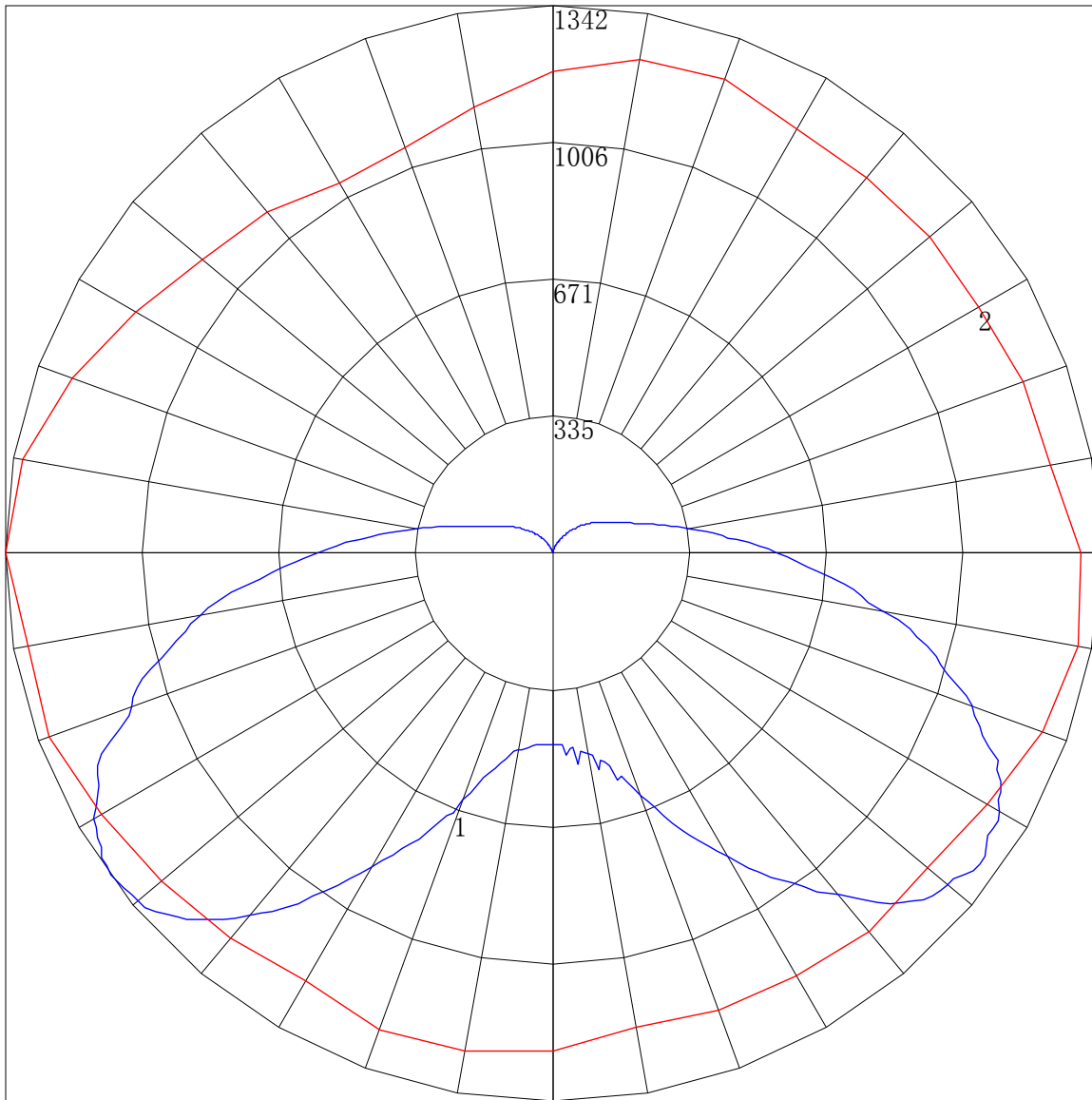
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

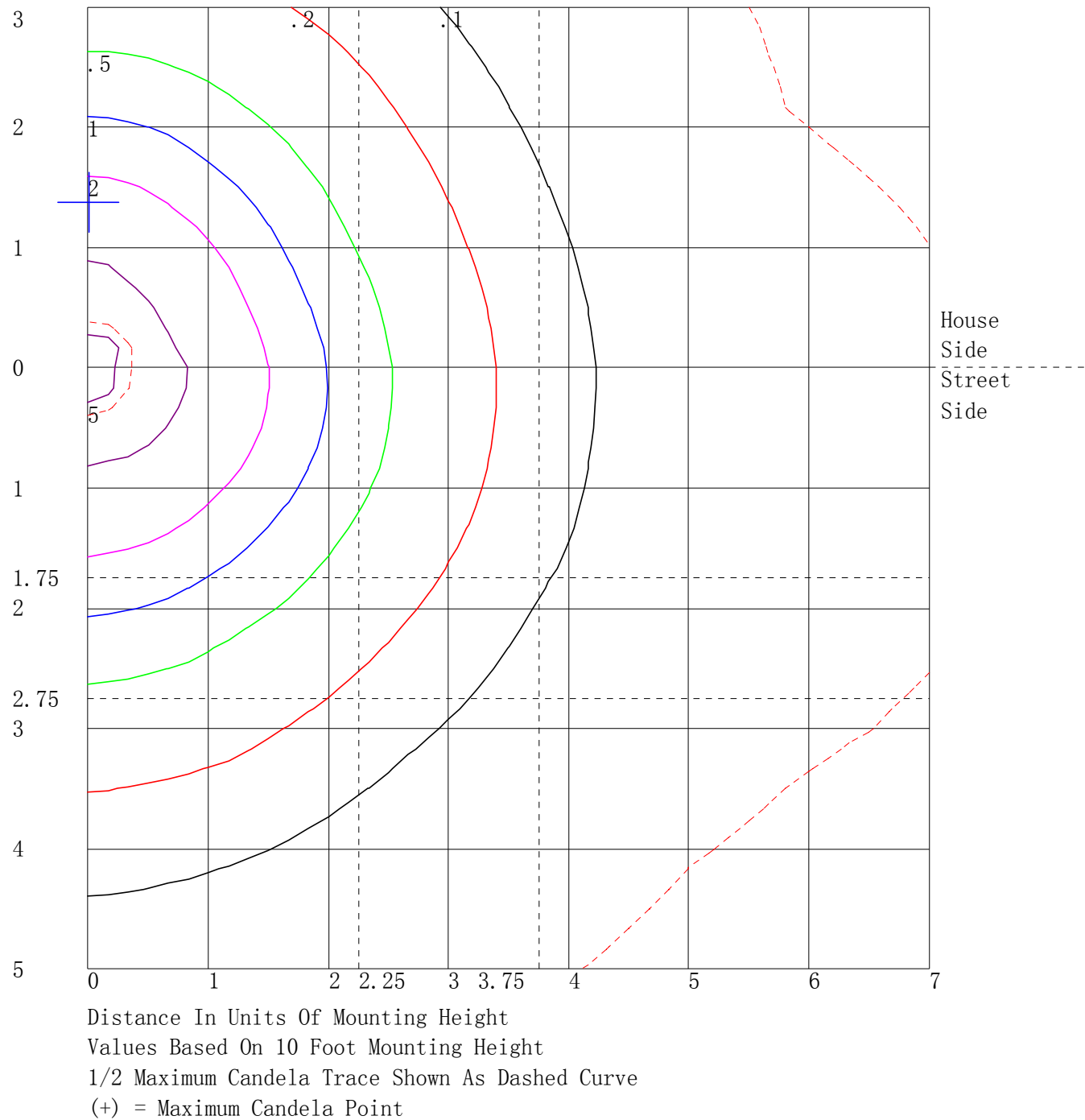
	Lumens	Percent Of Lamp
Downward Street Side	2951.2	42.2
Downward House Side	2948.8	42.1
Downward Total	5900.0	84.3
Upward Street Side	558.3	8.0
Upward House Side	538.1	7.7
Upward Total	1096.4	15.7
Total Flux	6996.4	100.0

POLAR GRAPH

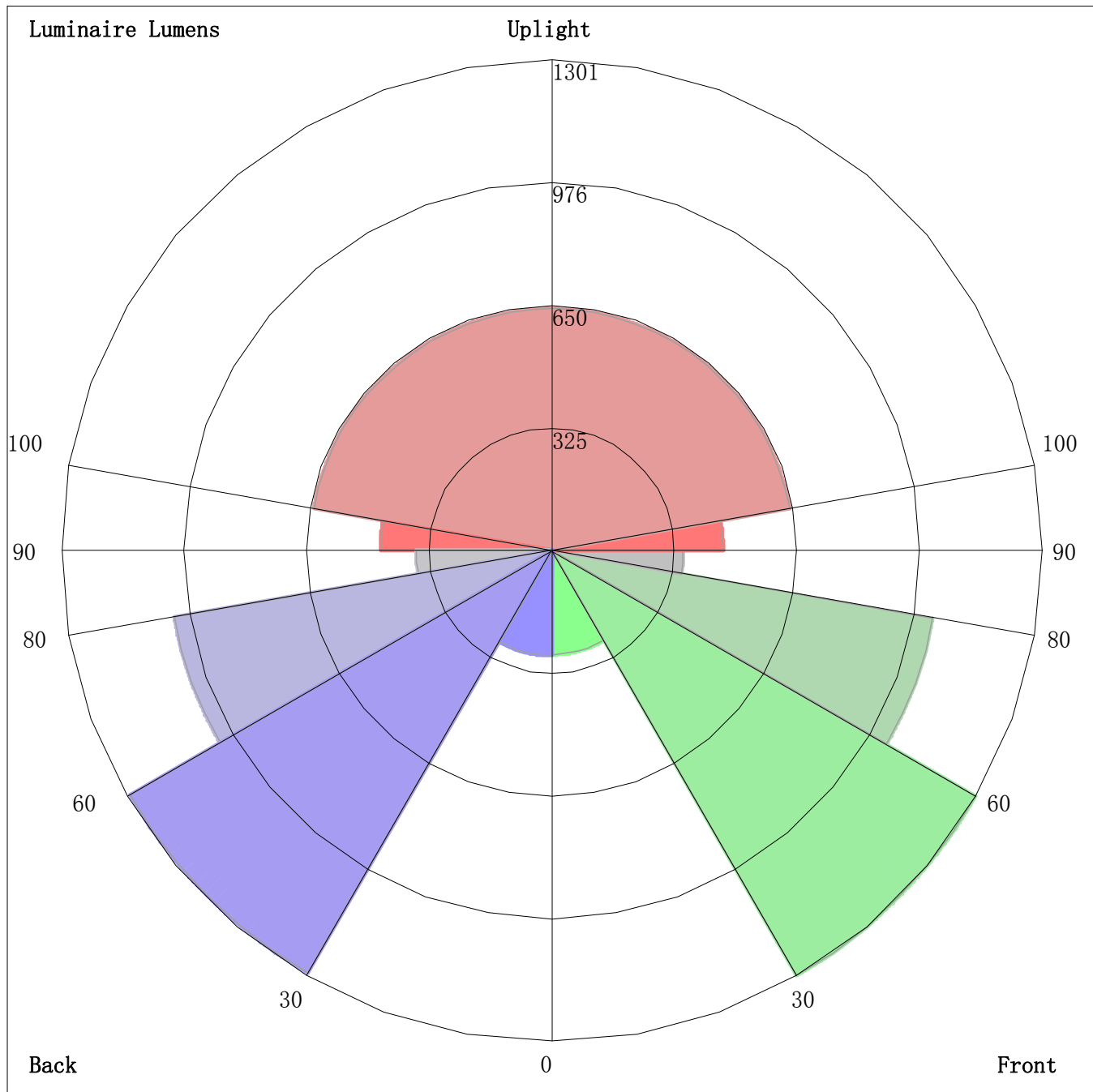


Maximum Candela = 1341.73 Located At Horizontal Angle = 180, Vertical Angle = 54
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (54) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=275.1, Medium=1300.7, High=1026.5, Very High=348.9
Back: Low=277.7, Medium=1293.7, High=1017.6, Very High=359.8
Uplight: Low=454.9, High=641.5

BUG Rating : B3-U4-G3