



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CPYSA10LED40DMVBZ50-NVLAP-IES.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 12 November 2018

[ISSUE DATE] 2018-11-12 10:38:04

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] MOBERN LIGHTING CO.

[LUMCAT] CPYSA10LED40DMVBZ50

[LUMINAIRE] LED

[BALLAST] 120-277Vac 50/60Hz

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER]	0- 10	93.14	93.14	1.69	1.69
[OTHER]	10- 20	314.45	407.58	7.38	7.38
[OTHER]	20- 30	532.57	940.16	17.02	17.02
[OTHER]	30- 40	732.40	1672.55	30.28	30.28
[OTHER]	40- 50	879.91	2552.46	46.21	46.21
[OTHER]	50- 60	982.39	3534.85	64.00	64.00
[OTHER]	60- 70	929.46	4464.32	80.82	80.82
[OTHER]	70- 80	776.57	5240.89	94.88	94.88
[OTHER]	80- 90	242.38	5483.27	99.27	99.27
[OTHER]	90-100	8.32	5491.60	99.42	99.42
[OTHER]	100-110	17.72	5509.32	99.74	99.74
[OTHER]	110-120	8.24	5517.56	99.89	99.89
[OTHER]	120-130	4.83	5522.38	99.98	99.98
[OTHER]	130-140	1.13	5523.51	100.00	100.00
[OTHER]	140-150	0.08	5523.59	100.00	100.00
[OTHER]	150-160	0.02	5523.61	100.00	100.00
[OTHER]	160-170	0.01	5523.62	100.00	100.00
[OTHER]	170-180	0.00	5523.62	100.00	100.00
[OTHER]					

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CHARACTERISTICS

Lumens Per Lamp	5523.6 (1 lamp)
Total Lamp Lumens	5523.6
Luminaire Lumens	5524
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	39.7544
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.74
Spacing Criterion (90-270)	1.82
Spacing Criterion (Diagonal)	1.88
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.46 m
Luminous Width (90-270)	0.15 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	23951	22625	23286
55	28820	28676	28409
65	32719	31828	31862
75	40717	40459	39952
85	23942	25695	28426

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CANDELA TABULATION

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>	<u>105</u>	<u>120</u>	<u>135</u>
0	984.677	984.677	984.677	984.677	984.677	984.677	984.677	984.677	984.677	984.677
1	984.770	983.860	985.760	985.990	988.130	987.590	988.000	986.010	984.990	983.700
2	983.240	983.260	984.110	986.260	988.230	988.990	989.090	985.270	983.230	979.900
3	979.200	979.110	980.910	982.920	984.910	985.280	986.870	983.440	981.030	978.110
4	978.000	977.550	978.520	979.450	978.970	979.920	984.700	983.500	980.150	978.030
5	976.750	975.760	976.780	976.900	975.600	976.590	979.190	978.230	979.120	976.680
6	974.650	973.120	972.720	973.290	973.190	971.590	972.920	974.070	975.060	972.620
7	970.540	971.260	971.730	969.860	972.560	969.780	971.080	972.910	972.050	969.830
8	971.410	971.620	972.980	972.390	974.190	972.130	973.190	977.490	974.110	972.050
9	979.510	976.010	977.570	975.460	979.070	978.020	982.520	987.320	981.770	981.130
10	995.490	990.610	990.440	988.690	994.430	991.710	995.960	1003.180	996.250	1001.660
11	1021.700	1012.830	1019.840	1012.060	1021.550	1020.070	1017.490	1026.070	1023.260	1032.260
12	1051.990	1044.910	1054.550	1045.040	1057.360	1058.290	1046.410	1056.440	1052.250	1064.680
13	1082.130	1075.230	1086.150	1076.830	1090.830	1094.790	1080.100	1090.210	1080.560	1089.960
14	1105.670	1100.070	1109.460	1105.920	1112.950	1118.660	1109.330	1116.850	1105.260	1106.120
15	1126.810	1118.320	1127.270	1127.130	1126.360	1134.160	1129.570	1136.180	1125.550	1118.880
16	1146.010	1133.510	1145.750	1145.550	1138.670	1148.740	1142.220	1155.580	1146.150	1135.100
17	1161.190	1146.480	1157.840	1155.320	1149.480	1159.360	1145.400	1168.530	1165.140	1149.100
18	1160.930	1150.280	1160.350	1152.410	1148.400	1155.720	1137.660	1166.030	1167.820	1151.720
19	1139.400	1139.100	1149.670	1136.450	1133.060	1136.350	1125.160	1142.280	1141.780	1135.410
20	1107.180	1112.130	1127.360	1109.930	1109.650	1107.470	1103.590	1108.330	1103.700	1108.300
21	1077.610	1085.330	1099.900	1087.450	1090.420	1084.930	1087.760	1082.280	1068.340	1083.900
22	1069.510	1071.930	1083.750	1080.600	1085.090	1078.170	1081.310	1074.710	1059.760	1072.760
23	1080.440	1085.550	1088.620	1089.040	1092.280	1086.010	1087.260	1086.000	1068.700	1083.040
24	1107.220	1117.210	1108.440	1109.650	1109.940	1101.320	1105.650	1111.120	1095.330	1111.170
25	1151.610	1164.510	1154.190	1145.830	1138.540	1129.310	1134.890	1151.090	1146.740	1158.410
26	1178.700	1186.500	1174.090	1167.910	1185.330	1170.060	1170.730	1178.210	1183.370	1187.000
27	1200.050	1205.690	1192.050	1200.740	1215.020	1198.220	1191.740	1197.360	1213.110	1220.050
28	1224.210	1223.420	1214.290	1229.270	1235.690	1213.170	1202.960	1209.980	1224.860	1237.430
29	1258.720	1246.160	1241.690	1262.800	1255.940	1232.060	1209.450	1214.500	1227.360	1229.270
30	1278.660	1264.640	1251.150	1278.360	1267.710	1237.990	1208.150	1205.920	1220.460	1205.280
31	1267.950	1270.790	1239.730	1263.650	1263.320	1225.210	1199.300	1185.320	1200.010	1172.580
32	1257.570	1247.240	1207.040	1232.640	1226.800	1195.470	1175.810	1156.720	1164.900	1131.970
33	1258.910	1222.510	1186.620	1188.650	1179.880	1154.960	1149.820	1149.760	1138.790	1104.700
34	1260.280	1201.590	1189.940	1161.430	1154.610	1135.220	1141.530	1155.880	1127.410	1098.540
35	1220.890	1190.270	1208.730	1159.690	1155.360	1141.440	1148.890	1160.860	1127.240	1109.680
36	1174.100	1177.320	1226.360	1170.270	1156.150	1163.890	1176.420	1159.640	1130.240	1136.970
37	1148.660	1171.550	1234.500	1179.510	1146.160	1180.650	1207.890	1152.730	1132.740	1166.790
38	1144.450	1180.310	1240.690	1184.750	1131.990	1181.620	1229.020	1160.320	1146.730	1203.990
39	1147.730	1187.650	1246.700	1195.570	1128.950	1180.450	1237.600	1185.270	1166.280	1230.810
40	1147.900	1178.630	1254.810	1200.330	1138.340	1177.860	1243.550	1197.570	1161.060	1226.510
41	1132.570	1156.940	1242.480	1187.860	1143.610	1177.370	1229.390	1172.950	1133.150	1209.950
42	1105.280	1131.230	1202.680	1163.220	1134.470	1165.470	1201.260	1141.970	1107.200	1187.350
43	1089.660	1121.270	1165.020	1132.990	1112.820	1135.570	1178.830	1117.490	1098.660	1161.280
44	1116.020	1127.010	1152.120	1108.670	1101.220	1108.040	1164.270	1118.860	1095.160	1128.900
45	1169.050	1128.510	1146.670	1104.360	1108.330	1104.050	1136.600	1129.180	1076.130	1114.410
46	1187.980	1120.530	1141.230	1112.120	1112.450	1118.620	1116.760	1147.000	1076.930	1129.670
47	1178.120	1115.660	1140.560	1124.580	1114.760	1139.610	1124.560	1159.390	1101.780	1151.210
48	1154.390	1116.990	1145.190	1126.220	1125.210	1152.470	1137.550	1155.670	1126.160	1161.190
49	1135.320	1114.240	1149.410	1108.120	1143.450	1155.270	1131.380	1144.920	1123.740	1166.700
50	1121.900	1107.170	1143.070	1097.050	1162.120	1156.450	1121.780	1138.200	1119.770	1160.470
51	1118.480	1102.400	1136.170	1097.780	1152.480	1127.680	1116.470	1129.630	1107.100	1129.830
52	1136.770	1107.760	1141.730	1109.210	1126.350	1105.010	1119.630	1129.130	1093.060	1110.740
53	1161.040	1119.650	1145.490	1133.590	1126.420	1123.680	1123.650	1144.910	1098.440	1114.170

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54	1159.710	1129.270	1122.110	1146.720	1121.480	1135.840	1123.310	1154.600	1108.910	1119.820
55	1141.080	1116.170	1105.680	1135.370	1109.010	1140.450	1124.810	1158.300	1108.730	1111.130
56	1121.780	1096.630	1084.140	1103.680	1094.690	1144.600	1126.710	1141.650	1101.190	1115.480
57	1076.290	1065.090	1060.380	1067.970	1083.090	1128.500	1118.060	1098.740	1080.090	1100.220
58	1027.210	1037.910	1033.050	1029.790	1058.160	1073.490	1089.930	1053.070	1036.100	1061.620
59	1041.480	1037.700	1043.590	1008.890	1029.970	1042.970	1052.020	1057.900	1029.660	1058.450
60	1054.280	1068.360	1075.060	1025.120	1026.520	1027.920	1022.100	1062.230	1072.420	1063.670
61	1014.020	1064.240	1065.190	1051.340	1036.850	1007.630	1016.430	1032.140	1066.970	1054.780
62	991.490	1042.050	1042.710	1078.260	1031.420	992.740	1018.510	1046.230	1047.420	1046.220
63	973.300	985.900	1007.510	1037.750	1002.900	955.770	975.160	1000.360	995.650	997.690
64	942.690	955.570	940.460	958.560	974.460	936.550	937.140	932.110	944.140	969.740
65	954.500	942.350	917.610	928.510	979.270	957.960	929.510	912.670	954.180	966.040
66	925.580	894.870	896.920	933.110	978.270	991.550	954.260	925.300	934.290	937.320
67	903.650	849.090	843.570	892.820	926.050	976.800	929.420	900.830	900.570	888.990
68	882.860	836.920	770.390	829.760	864.630	882.980	905.550	860.400	853.870	832.700
69	870.210	807.440	774.510	803.230	835.730	863.770	865.330	824.510	825.090	805.950
70	885.150	827.250	802.220	800.790	853.710	898.250	888.690	817.290	807.440	838.190
71	857.430	815.420	765.400	779.390	830.700	889.570	874.430	815.810	831.900	812.850
72	758.860	779.570	737.360	737.730	768.760	792.120	851.670	789.280	789.260	759.020
73	741.080	735.890	737.310	716.330	738.820	789.030	807.320	754.900	749.350	732.780
74	719.310	706.400	719.390	724.980	725.130	769.470	763.180	737.930	745.820	718.220
75	727.460	683.540	705.030	722.840	725.780	713.650	713.790	699.080	724.580	717.520
76	728.540	751.070	795.160	773.940	796.760	752.620	734.710	733.080	797.670	773.310
77	676.530	688.790	767.950	785.030	770.120	763.940	715.730	718.310	778.240	783.750
78	627.200	680.930	736.000	754.710	719.840	667.760	701.610	698.990	764.300	758.650
79	622.850	607.000	656.060	730.170	689.950	663.610	669.550	651.450	692.750	704.760
80	568.590	591.840	564.870	670.150	583.810	622.760	676.960	576.350	655.690	642.440
81	497.210	532.230	484.280	547.010	458.420	519.390	568.660	516.980	526.810	527.190
82	415.260	440.750	401.390	455.460	385.270	464.050	488.230	436.600	413.000	443.790
83	291.240	399.030	331.810	354.740	325.130	362.030	382.240	327.690	370.340	281.240
84	228.350	288.950	260.090	254.010	231.920	260.020	276.250	223.430	275.110	217.160
85	144.040	178.940	167.090	154.590	147.620	159.080	171.020	158.200	180.920	162.660
86	114.520	117.780	112.850	126.430	107.530	128.000	126.580	114.170	118.650	111.630
87	92.690	90.710	92.270	88.590	89.650	91.860	102.500	93.930	94.730	92.340
88	71.060	67.410	71.720	70.240	72.150	72.860	81.110	74.240	71.340	73.080
89	49.440	49.590	51.170	54.870	52.300	55.300	59.450	54.550	57.460	53.830
90	35.780	35.180	36.940	36.590	38.060	36.810	44.470	43.340	43.080	40.240
91	19.820	20.780	17.340	18.320	5.230	18.330	29.490	24.040	28.690	24.600
92	13.080	6.490	11.300	0.440	2.420	0.000	14.510	15.900	14.300	16.400
93	6.650	0.000	5.680	0.000	0.020	0.010	0.000	8.010	0.000	8.300
94	0.220	0.000	0.070	0.000	2.800	0.770	0.330	0.120	0.080	0.210
95	0.000	0.030	0.060	0.040	6.710	7.490	13.180	7.480	3.460	0.050
96	0.000	0.110	0.120	0.630	4.220	4.690	14.280	5.210	6.040	0.140
97	0.080	7.090	0.520	0.360	2.470	2.900	9.640	3.120	3.630	0.730
98	3.120	14.080	1.260	0.330	1.430	1.720	6.100	1.820	2.120	0.320
99	22.110	21.260	4.880	0.380	0.190	0.610	3.930	0.730	0.740	0.370
100	41.240	46.550	9.190	0.440	0.060	0.010	2.240	0.080	0.060	0.440
101	60.380	56.340	14.900	0.560	0.120	0.000	0.470	0.010	0.090	0.550
102	63.320	57.320	19.550	0.710	0.180	0.000	0.110	0.010	0.140	0.690
103	62.770	56.840	24.160	1.050	0.210	0.000	0.100	0.010	0.190	0.950
104	60.170	54.030	28.780	2.050	0.210	0.000	0.070	0.010	0.220	1.720
105	56.380	51.440	29.970	3.500	0.240	0.000	0.120	0.010	0.240	2.980
106	51.860	47.590	29.140	4.300	0.280	0.000	0.110	0.010	0.290	4.130
107	47.750	44.160	26.800	4.760	0.340	0.000	0.050	0.000	0.360	4.640
108	43.120	40.390	24.350	4.840	0.420	0.000	0.050	0.000	0.430	4.870
109	38.240	35.850	21.250	4.850	0.540	0.000	0.030	0.000	0.560	5.050

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110	34.560	32.340	18.980	4.380	0.540	0.000	0.020	0.000	0.590	4.620
111	30.330	28.390	16.420	4.140	0.610	0.000	0.010	0.000	0.660	4.320
112	27.000	25.630	14.770	3.780	0.670	0.000	0.010	0.000	0.750	3.990
113	24.690	24.230	13.540	3.440	0.650	0.000	0.020	0.010	0.780	3.610
114	22.850	22.820	12.920	3.370	0.640	0.000	0.020	0.000	0.790	3.460
115	21.060	21.410	12.520	3.250	0.610	0.000	0.010	0.000	0.780	3.330
116	18.470	19.270	11.880	2.930	0.560	0.000	0.000	0.000	0.740	3.130
117	16.130	17.900	11.240	2.620	0.480	0.000	0.000	0.000	0.660	2.770
118	14.930	17.330	10.590	2.500	0.390	0.000	0.000	0.000	0.560	2.540
119	13.810	17.100	11.790	2.400	0.320	0.000	0.000	0.000	0.460	2.410
120	12.660	17.360	13.400	2.250	0.240	0.000	0.000	0.000	0.360	2.270
121	12.540	17.700	15.860	2.120	0.160	0.000	0.000	0.000	0.260	2.110
122	12.520	18.120	13.470	2.020	0.070	0.000	0.000	0.000	0.150	1.970
123	12.680	16.630	10.800	1.920	0.000	0.000	0.000	0.000	0.040	1.830
124	15.810	15.620	8.840	1.780	0.000	0.000	0.000	0.000	0.000	1.690
125	22.710	17.660	7.180	1.660	0.000	0.000	0.000	0.000	0.000	1.550
126	23.580	15.600	4.990	1.520	0.000	0.000	0.000	0.000	0.000	1.450
127	19.270	12.810	4.420	1.370	0.000	0.000	0.000	0.000	0.000	1.330
128	18.320	11.380	4.120	1.230	0.000	0.000	0.000	0.000	0.000	1.190
129	14.660	9.380	3.890	1.070	0.000	0.000	0.000	0.000	0.000	1.060
130	12.030	7.430	3.600	0.880	0.000	0.000	0.000	0.000	0.000	0.910
131	9.430	5.860	3.280	0.670	0.000	0.000	0.000	0.000	0.000	0.770
132	6.820	5.500	2.960	0.330	0.000	0.000	0.000	0.000	0.000	0.630
133	6.270	5.030	2.600	0.120	0.000	0.000	0.000	0.000	0.000	0.320
134	5.610	4.550	2.260	0.140	0.000	0.000	0.000	0.000	0.000	0.150
135	5.000	4.080	1.920	0.150	0.000	0.000	0.000	0.000	0.000	0.160
136	4.500	3.670	1.540	0.160	0.000	0.000	0.000	0.000	0.000	0.160
137	3.970	3.030	1.040	0.160	0.000	0.000	0.000	0.000	0.000	0.160
138	3.160	2.580	0.400	0.160	0.000	0.000	0.000	0.000	0.030	0.160
139	2.630	2.050	0.150	0.160	0.030	0.000	0.000	0.000	0.050	0.150
140	2.060	1.300	0.130	0.140	0.050	0.000	0.000	0.000	0.080	0.150
141	1.150	0.460	0.130	0.140	0.060	0.000	0.000	0.000	0.090	0.140
142	0.320	0.110	0.120	0.130	0.070	0.000	0.000	0.000	0.090	0.140
143	0.080	0.100	0.110	0.130	0.070	0.070	0.000	0.090	0.110	0.140
144	0.080	0.090	0.110	0.120	0.070	0.090	0.050	0.110	0.120	0.130
145	0.070	0.080	0.090	0.110	0.080	0.110	0.070	0.130	0.130	0.120
146	0.070	0.080	0.080	0.100	0.090	0.130	0.080	0.150	0.130	0.110
147	0.060	0.070	0.080	0.090	0.090	0.140	0.090	0.150	0.130	0.100
148	0.050	0.050	0.080	0.080	0.090	0.140	0.100	0.160	0.140	0.090
149	0.040	0.040	0.070	0.070	0.100	0.140	0.100	0.150	0.140	0.090
150	0.040	0.040	0.070	0.060	0.110	0.130	0.100	0.150	0.140	0.090
151	0.040	0.040	0.070	0.050	0.110	0.130	0.100	0.140	0.140	0.090
152	0.040	0.040	0.060	0.050	0.110	0.120	0.100	0.140	0.140	0.100
153	0.040	0.040	0.040	0.050	0.110	0.120	0.090	0.140	0.140	0.100
154	0.030	0.030	0.030	0.060	0.110	0.120	0.090	0.130	0.140	0.110
155	0.020	0.030	0.020	0.060	0.110	0.110	0.080	0.130	0.130	0.110
156	0.010	0.020	0.010	0.060	0.100	0.110	0.080	0.120	0.130	0.120
157	0.010	0.010	0.000	0.070	0.090	0.100	0.080	0.120	0.130	0.120
158	0.000	0.010	0.000	0.070	0.080	0.100	0.080	0.120	0.130	0.120
159	0.000	0.010	0.000	0.070	0.080	0.090	0.080	0.120	0.120	0.110
160	0.000	0.020	0.000	0.060	0.070	0.090	0.080	0.120	0.120	0.090
161	0.010	0.020	0.010	0.000	0.070	0.080	0.080	0.110	0.120	0.020
162	0.010	0.020	0.040	0.000	0.060	0.080	0.080	0.100	0.110	0.010
163	0.000	0.020	0.050	0.000	0.060	0.070	0.070	0.100	0.110	0.010
164	0.000	0.020	0.040	0.000	0.000	0.060	0.070	0.090	0.040	0.000
165	0.000	0.010	0.040	0.000	0.000	0.050	0.060	0.080	0.000	0.000

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CANDELA TABULATION - (Cont.)

166	0.000	0.010	0.020	0.000	0.000	0.000	0.040	0.000	0.000	0.000
167	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.060
168	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.070
169	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.020	0.070
170	0.000	0.000	0.010	0.020	0.020	0.000	0.000	0.000	0.070	0.070
171	0.000	0.000	0.010	0.020	0.020	0.000	0.020	0.030	0.060	0.070
172	0.000	0.000	0.010	0.010	0.010	0.000	0.020	0.030	0.050	0.060
173	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.040	0.050
174	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.030	0.040
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.030
176	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>150</u>	<u>165</u>	<u>180</u>	<u>195</u>	<u>210</u>	<u>225</u>	<u>240</u>	<u>255</u>	<u>270</u>	<u>285</u>
0	984.677	984.677	984.677	984.677	984.677	984.677	984.677	984.677	984.677	984.677
1	982.700	981.960	982.560	981.560	982.500	983.120	983.570	983.280	983.540	983.460
2	977.440	978.000	978.990	979.150	980.350	980.890	982.040	980.450	980.400	979.740
3	976.310	975.960	978.430	978.570	979.620	978.760	979.340	978.080	978.040	976.770
4	976.140	974.950	978.660	978.840	978.640	976.340	975.900	975.060	974.760	974.190
5	975.250	974.800	978.050	977.120	974.090	970.740	969.650	970.410	969.710	968.590
6	974.140	972.450	974.170	973.530	968.460	964.190	963.170	965.910	965.300	963.290
7	970.840	968.860	968.530	968.210	965.520	962.960	961.180	964.000	964.400	963.220
8	971.070	969.650	967.910	969.270	968.890	964.220	964.300	966.760	966.180	965.470
9	977.960	975.450	974.650	976.070	974.720	970.720	971.800	973.840	973.100	971.410
10	994.870	991.410	990.930	994.030	991.500	989.280	990.080	992.630	993.730	988.090
11	1023.720	1020.380	1019.310	1025.340	1021.940	1023.110	1022.030	1024.100	1025.600	1017.450
12	1057.660	1055.210	1055.910	1061.150	1060.660	1060.820	1056.220	1060.670	1059.270	1052.830
13	1088.960	1084.610	1087.460	1092.940	1091.630	1092.450	1086.390	1091.640	1086.330	1082.430
14	1113.260	1107.610	1111.850	1115.080	1108.910	1111.770	1106.130	1112.610	1105.320	1101.580
15	1132.080	1121.320	1128.980	1131.240	1119.090	1122.270	1119.450	1126.430	1120.760	1117.510
16	1146.650	1133.760	1138.580	1139.210	1126.730	1136.820	1130.260	1137.330	1135.990	1135.980
17	1156.620	1143.140	1144.090	1143.450	1141.250	1148.390	1143.910	1146.330	1144.300	1144.330
18	1160.030	1146.300	1143.030	1138.060	1148.040	1150.230	1148.640	1145.910	1139.540	1141.560
19	1148.260	1135.910	1130.890	1120.260	1136.000	1131.140	1137.830	1126.320	1119.240	1120.550
20	1119.740	1119.070	1105.410	1096.240	1107.490	1099.370	1107.770	1097.500	1095.200	1091.530
21	1083.430	1100.000	1072.530	1068.670	1076.100	1070.340	1075.320	1071.580	1078.800	1065.440
22	1065.440	1088.460	1052.930	1052.550	1056.180	1059.050	1061.250	1056.850	1076.820	1059.200
23	1075.120	1090.790	1060.870	1059.310	1062.720	1073.310	1073.780	1064.970	1084.610	1069.300
24	1099.380	1099.180	1089.580	1087.760	1095.000	1112.630	1113.110	1100.010	1117.610	1101.300
25	1133.100	1124.600	1119.940	1123.130	1130.640	1145.770	1148.670	1137.940	1142.460	1132.680
26	1151.080	1154.690	1157.140	1153.680	1158.940	1177.330	1175.920	1175.140	1165.360	1170.510
27	1181.890	1191.410	1192.260	1180.440	1177.370	1188.470	1178.770	1186.860	1189.400	1199.210
28	1201.310	1212.660	1218.240	1192.240	1184.270	1184.230	1168.490	1186.380	1206.170	1233.440
29	1203.950	1205.290	1217.150	1191.050	1177.310	1174.870	1164.970	1177.560	1216.630	1251.190
30	1181.560	1181.990	1183.350	1170.630	1152.000	1147.590	1158.530	1157.560	1205.650	1239.400
31	1146.390	1141.740	1131.660	1123.680	1106.060	1102.710	1131.970	1117.870	1170.200	1197.740
32	1107.070	1093.840	1072.380	1068.580	1055.170	1062.110	1100.390	1087.660	1129.690	1150.450
33	1088.570	1058.090	1040.900	1030.890	1036.550	1044.370	1077.980	1087.820	1107.440	1119.720
34	1089.890	1051.770	1041.290	1029.550	1053.190	1054.220	1071.160	1107.000	1109.060	1125.200
35	1105.560	1077.090	1063.650	1065.720	1089.000	1080.090	1074.050	1124.090	1127.840	1144.980
36	1128.160	1118.570	1093.830	1120.750	1122.520	1112.960	1087.520	1130.130	1166.830	1167.390

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CANDELA TABULATION - (Cont.)

37	1162.190	1157.160	1120.280	1173.980	1151.390	1146.460	1112.410	1149.200	1213.200	1180.600
38	1207.060	1180.790	1135.650	1201.730	1187.820	1176.700	1141.960	1177.640	1246.320	1193.290
39	1250.920	1192.780	1138.750	1205.640	1226.760	1198.990	1161.400	1202.450	1247.190	1201.310
40	1262.010	1190.480	1133.520	1200.380	1245.380	1195.090	1150.520	1208.460	1220.770	1192.810
41	1245.270	1181.490	1124.400	1190.550	1224.810	1169.170	1121.140	1180.090	1191.970	1168.190
42	1215.820	1170.570	1105.280	1173.670	1183.560	1140.870	1109.910	1143.210	1172.990	1131.180
43	1172.510	1158.200	1089.090	1147.450	1140.620	1116.220	1100.660	1116.210	1150.390	1099.930
44	1129.150	1144.780	1088.110	1127.380	1104.050	1086.550	1081.600	1106.600	1121.440	1091.870
45	1105.010	1134.450	1094.320	1119.070	1088.880	1072.660	1064.940	1115.300	1107.190	1113.120
46	1115.150	1126.980	1099.290	1117.020	1099.250	1090.260	1079.810	1126.000	1116.090	1127.930
47	1127.610	1133.030	1107.050	1123.280	1110.260	1127.380	1108.750	1129.120	1116.420	1133.790
48	1127.560	1146.880	1126.620	1127.120	1108.120	1150.640	1131.210	1128.360	1101.410	1145.470
49	1131.670	1157.330	1149.700	1132.390	1103.680	1153.250	1138.130	1129.800	1091.150	1152.020
50	1126.810	1161.870	1141.790	1132.430	1091.590	1145.730	1131.140	1114.820	1098.830	1132.780
51	1104.760	1158.590	1108.210	1140.090	1077.050	1112.880	1104.770	1100.400	1118.720	1097.800
52	1106.000	1142.360	1096.160	1138.120	1082.860	1092.650	1086.080	1103.410	1147.600	1089.360
53	1124.860	1135.650	1119.330	1148.490	1119.410	1088.930	1084.290	1124.600	1163.310	1102.130
54	1131.190	1125.270	1136.370	1149.840	1135.450	1089.640	1084.140	1131.330	1159.710	1120.560
55	1126.520	1127.810	1141.470	1138.350	1125.510	1088.720	1090.350	1115.160	1120.490	1132.400
56	1120.130	1123.690	1150.370	1109.930	1109.740	1095.340	1096.580	1091.220	1082.260	1130.790
57	1078.090	1080.810	1107.610	1069.450	1068.770	1062.660	1061.510	1059.720	1040.830	1094.670
58	1043.670	1039.630	1044.130	1028.570	1032.650	1040.910	1023.950	1037.900	1018.110	1051.410
59	1042.690	1011.900	1029.970	1024.540	1043.680	1047.960	1044.050	1056.460	1018.160	1018.760
60	1040.550	1035.370	1044.820	1051.120	1045.150	1037.630	1053.250	1046.760	1018.720	999.380
61	1015.950	1081.350	1052.940	1076.210	1019.110	1030.460	1027.790	1032.800	1004.450	985.240
62	1031.290	1063.610	1047.720	1051.230	1014.500	984.820	977.070	989.920	956.030	977.110
63	1020.900	1016.740	1000.290	998.920	986.770	959.540	928.160	927.720	931.990	956.240
64	983.110	959.120	943.920	950.180	973.360	976.920	943.940	898.220	947.880	962.730
65	981.630	953.130	905.860	935.610	976.250	985.630	961.230	896.750	966.380	998.590
66	964.430	943.540	907.000	907.810	955.460	949.190	935.190	907.540	950.600	986.060
67	905.870	886.670	860.500	870.140	883.720	900.550	880.120	854.860	900.210	930.030
68	869.600	854.500	804.850	831.370	839.130	829.500	856.910	797.260	856.480	852.440
69	841.690	842.570	823.630	846.980	827.950	845.540	838.180	808.300	888.420	887.300
70	836.430	834.310	861.490	854.090	813.880	836.410	829.340	817.850	867.860	920.580
71	825.180	855.490	854.680	827.820	806.940	788.550	803.280	790.950	832.030	811.030
72	761.130	801.370	752.810	808.520	731.470	749.290	784.620	754.150	791.840	777.550
73	746.020	778.280	766.010	775.150	736.210	720.970	769.990	729.100	754.250	778.720
74	730.690	744.920	717.510	734.560	732.780	725.720	735.190	721.180	738.190	731.750
75	756.570	698.870	679.820	712.580	774.100	782.400	775.690	717.220	771.870	750.160
76	801.780	747.570	710.330	737.990	792.420	790.960	811.240	719.000	720.060	765.890
77	759.370	717.440	655.720	713.040	763.850	775.740	781.840	709.360	680.040	702.620
78	724.300	668.560	643.180	653.710	723.520	759.020	705.280	644.120	601.260	680.280
79	662.770	633.190	640.800	632.970	669.150	716.870	691.750	562.850	603.880	585.600
80	616.760	592.410	638.950	584.550	590.280	576.100	537.100	525.100	545.990	508.230
81	485.110	518.330	518.980	509.110	466.850	462.350	427.610	453.790	484.900	496.220
82	443.070	455.810	446.210	436.720	403.010	328.670	361.230	388.900	346.740	384.920
83	352.900	352.750	358.300	332.670	319.960	240.110	273.240	249.160	226.870	281.420
84	267.040	255.140	270.400	239.760	236.910	172.450	185.660	179.070	165.280	179.090
85	181.300	180.460	183.090	162.870	154.580	139.390	132.540	121.290	118.040	121.840
86	124.600	124.700	134.030	115.540	106.710	113.040	102.160	99.600	97.010	95.150
87	97.230	99.720	92.470	92.650	88.160	86.800	74.880	78.670	76.440	81.480
88	73.290	75.720	66.720	69.770	64.960	60.570	58.010	57.740	55.870	60.150
89	56.800	51.720	49.200	46.900	50.260	45.030	38.640	47.860	47.320	45.580
90	42.700	38.820	36.960	36.380	34.200	26.900	19.270	23.520	27.640	30.340
91	28.610	27.250	24.730	22.990	18.130	17.870	0.000	15.540	18.330	15.110
92	14.510	11.020	12.490	15.310	2.340	9.020	0.010	7.890	9.200	0.000

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CANDELA TABULATION - (Cont.)

93	0.500	5.450	0.490	7.690	0.000	0.160	0.320	0.250	0.070	0.070
94	0.050	0.060	0.000	0.070	0.020	0.010	9.590	11.510	19.270	2.580
95	0.100	0.090	0.010	0.050	0.060	0.300	10.620	9.870	21.380	7.310
96	0.160	0.160	0.040	0.110	0.120	1.460	6.870	6.450	16.140	5.090
97	0.250	0.250	0.390	0.200	0.450	1.140	4.240	4.010	10.870	3.230
98	0.900	1.160	9.900	3.040	1.320	0.450	2.810	2.450	7.060	2.120
99	4.910	18.310	19.400	20.710	5.510	0.380	1.580	1.420	4.580	1.310
100	8.920	36.020	29.210	38.730	9.700	0.480	0.250	0.410	2.980	0.630
101	12.960	53.730	54.760	56.740	13.920	0.630	0.160	0.010	0.830	0.070
102	18.960	59.070	64.150	58.430	19.590	0.800	0.200	0.000	0.010	0.000
103	24.660	58.090	64.240	56.730	24.450	1.240	0.220	0.000	0.000	0.000
104	28.420	55.260	61.250	53.790	27.220	2.260	0.230	0.000	0.000	0.000
105	30.440	52.810	58.190	51.290	28.420	3.390	0.270	0.000	0.000	0.010
106	30.360	49.380	53.550	47.900	28.440	4.270	0.320	0.000	0.000	0.010
107	28.600	46.280	49.510	44.230	26.150	4.370	0.380	0.000	0.000	0.010
108	25.820	42.240	45.090	40.480	23.860	4.770	0.460	0.000	0.000	0.010
109	23.040	37.780	39.840	36.300	21.570	4.480	0.520	0.000	0.000	0.010
110	20.270	34.230	35.690	32.750	18.980	4.240	0.590	0.000	0.000	0.010
111	18.100	29.310	31.010	28.520	17.110	4.060	0.660	0.000	0.000	0.000
112	16.010	27.240	27.330	26.380	15.670	3.670	0.720	0.000	0.000	0.000
113	14.610	24.800	25.080	24.190	14.300	3.440	0.720	0.000	0.000	0.000
114	13.580	23.110	22.180	22.270	13.060	3.320	0.710	0.000	0.000	0.000
115	12.860	21.310	20.800	20.470	12.610	3.200	0.700	0.000	0.000	0.000
116	12.040	19.370	18.580	18.380	11.890	2.840	0.640	0.000	0.000	0.000
117	10.830	17.620	16.130	17.120	11.120	2.590	0.560	0.000	0.000	0.000
118	9.860	16.640	15.220	16.700	11.150	2.480	0.470	0.000	0.000	0.000
119	10.250	16.130	14.440	17.290	12.240	2.340	0.320	0.000	0.000	0.000
120	12.070	16.570	13.190	17.470	14.110	2.190	0.110	0.000	0.000	0.000
121	14.300	17.580	12.730	18.210	16.260	2.040	0.000	0.000	0.000	0.000
122	14.660	18.700	13.280	18.990	14.260	1.890	0.000	0.000	0.000	0.000
123	12.890	17.680	13.780	17.740	11.650	1.760	0.000	0.000	0.000	0.000
124	9.830	16.760	14.380	16.420	8.840	1.600	0.000	0.000	0.000	0.000
125	7.700	16.740	19.300	17.410	6.500	1.370	0.000	0.000	0.000	0.000
126	5.080	14.960	18.790	14.950	4.620	1.060	0.000	0.000	0.000	0.000
127	4.320	13.810	18.270	11.630	3.920	0.660	0.000	0.000	0.000	0.000
128	3.990	11.850	17.720	8.290	2.390	0.240	0.000	0.000	0.000	0.000
129	3.740	9.670	15.210	4.950	1.410	0.200	0.000	0.000	0.000	0.000
130	3.490	7.490	12.270	5.580	1.620	0.320	0.000	0.000	0.000	0.000
131	3.230	5.860	8.860	5.000	1.670	0.450	0.000	0.000	0.000	0.000
132	2.960	5.400	6.500	4.870	1.920	0.380	0.000	0.000	0.000	0.000
133	2.670	4.950	5.860	4.620	2.070	0.080	0.000	0.000	0.000	0.000
134	2.360	4.460	5.120	4.180	2.120	0.050	0.000	0.000	0.000	0.000
135	2.030	4.060	4.580	3.780	1.890	0.050	0.000	0.000	0.000	0.000
136	1.740	3.740	4.250	3.480	1.580	0.050	0.000	0.000	0.000	0.000
137	1.420	3.420	4.000	3.160	1.220	0.040	0.000	0.000	0.000	0.000
138	1.030	2.810	3.580	2.500	0.780	0.040	0.000	0.000	0.000	0.000
139	0.470	2.290	2.800	2.020	0.240	0.040	0.000	0.000	0.000	0.000
140	0.140	1.800	2.200	1.530	0.070	0.040	0.020	0.000	0.000	0.000
141	0.130	1.230	1.720	0.920	0.060	0.040	0.030	0.000	0.000	0.000
142	0.120	0.480	1.130	0.280	0.050	0.040	0.030	0.000	0.000	0.000
143	0.110	0.110	0.420	0.060	0.040	0.040	0.030	0.030	0.000	0.000
144	0.100	0.090	0.080	0.060	0.040	0.040	0.050	0.060	0.000	0.040
145	0.100	0.070	0.070	0.050	0.040	0.040	0.050	0.070	0.010	0.040
146	0.090	0.070	0.060	0.050	0.040	0.040	0.050	0.070	0.010	0.040
147	0.090	0.070	0.050	0.050	0.040	0.040	0.040	0.070	0.010	0.040
148	0.080	0.060	0.050	0.050	0.040	0.040	0.040	0.060	0.010	0.030

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

149	0.080	0.060	0.050	0.050	0.040	0.030	0.040	0.040	0.000	0.020
150	0.080	0.060	0.050	0.060	0.040	0.030	0.040	0.040	0.000	0.010
151	0.080	0.060	0.060	0.060	0.030	0.030	0.040	0.040	0.000	0.010
152	0.070	0.060	0.060	0.060	0.040	0.030	0.040	0.030	0.000	0.010
153	0.060	0.060	0.060	0.060	0.040	0.040	0.040	0.030	0.000	0.010
154	0.040	0.050	0.060	0.050	0.030	0.040	0.030	0.030	0.000	0.010
155	0.040	0.050	0.050	0.040	0.030	0.030	0.020	0.030	0.000	0.020
156	0.030	0.050	0.040	0.040	0.030	0.030	0.020	0.030	0.000	0.010
157	0.030	0.050	0.040	0.040	0.040	0.030	0.020	0.020	0.000	0.010
158	0.020	0.050	0.040	0.040	0.050	0.030	0.020	0.020	0.000	0.010
159	0.020	0.050	0.040	0.040	0.050	0.040	0.020	0.020	0.000	0.010
160	0.020	0.060	0.050	0.050	0.050	0.040	0.020	0.020	0.000	0.000
161	0.040	0.060	0.050	0.060	0.040	0.040	0.010	0.010	0.000	0.010
162	0.070	0.070	0.050	0.060	0.050	0.040	0.020	0.010	0.000	0.010
163	0.070	0.060	0.050	0.060	0.050	0.040	0.030	0.010	0.000	0.010
164	0.070	0.060	0.050	0.050	0.050	0.040	0.030	0.010	0.000	0.010
165	0.070	0.060	0.050	0.050	0.050	0.030	0.030	0.010	0.000	0.000
166	0.060	0.060	0.050	0.050	0.050	0.030	0.030	0.020	0.000	0.000
167	0.060	0.060	0.050	0.050	0.040	0.030	0.030	0.020	0.000	0.000
168	0.060	0.050	0.050	0.050	0.040	0.030	0.030	0.010	0.000	0.000
169	0.060	0.050	0.040	0.050	0.040	0.030	0.020	0.010	0.000	0.000
170	0.060	0.050	0.040	0.050	0.040	0.030	0.020	0.010	0.000	0.000
171	0.060	0.050	0.040	0.040	0.040	0.030	0.020	0.000	0.000	0.000
172	0.050	0.050	0.040	0.040	0.040	0.020	0.000	0.000	0.000	0.000
173	0.050	0.040	0.030	0.040	0.020	0.000	0.000	0.000	0.000	0.000
174	0.030	0.040	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000
175	0.020	0.030	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000
176	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	984.677	984.677	984.677	984.677	984.677
1	982.730	983.330	983.430	983.760	984.770
2	980.440	980.130	979.810	982.800	983.240
3	976.130	976.710	977.850	979.680	979.200
4	973.550	976.040	976.870	977.520	978.000
5	970.540	974.740	975.780	975.520	976.750
6	967.660	969.400	971.860	971.600	974.650
7	966.030	967.920	968.950	969.540	970.540
8	967.900	969.350	969.040	969.580	971.410
9	975.130	973.930	972.540	974.090	979.510
10	990.760	988.840	987.860	988.570	995.490
11	1018.300	1012.880	1016.600	1014.030	1021.700
12	1054.350	1044.780	1049.540	1043.280	1051.990
13	1086.020	1079.660	1084.380	1073.230	1082.130
14	1108.600	1109.550	1114.690	1097.630	1105.670
15	1126.340	1130.360	1135.200	1118.040	1126.810
16	1144.760	1139.870	1144.630	1136.820	1146.010
17	1153.620	1144.750	1149.470	1153.110	1161.190
18	1146.020	1143.940	1144.560	1156.830	1160.930
19	1116.490	1125.910	1123.390	1135.650	1139.400

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CANDELA TABULATION - (Cont.)

20	1083.000	1097.200	1096.070	1102.790	1107.180
21	1060.010	1071.520	1071.830	1078.250	1077.610
22	1054.530	1061.510	1066.580	1074.150	1069.510
23	1065.280	1068.480	1079.270	1091.440	1080.440
24	1100.200	1090.560	1107.060	1123.330	1107.220
25	1135.050	1128.410	1144.600	1164.230	1151.610
26	1176.150	1162.510	1171.280	1180.480	1178.700
27	1211.840	1210.900	1215.710	1194.700	1200.050
28	1247.760	1250.330	1258.490	1218.090	1224.210
29	1266.760	1284.350	1296.460	1253.010	1258.720
30	1264.580	1286.880	1292.700	1286.440	1278.660
31	1231.330	1251.630	1254.610	1291.650	1267.950
32	1181.350	1205.490	1205.720	1271.340	1257.570
33	1147.950	1174.200	1188.740	1245.860	1258.910
34	1148.200	1155.820	1186.500	1220.610	1260.280
35	1166.070	1153.400	1193.290	1194.080	1220.890
36	1169.900	1161.100	1192.300	1170.110	1174.100
37	1151.580	1169.300	1191.670	1169.740	1148.660
38	1140.180	1178.580	1220.730	1179.200	1144.450
39	1146.090	1193.960	1272.470	1191.440	1147.730
40	1148.090	1195.720	1290.950	1196.230	1147.900
41	1126.470	1167.760	1247.920	1184.480	1132.570
42	1090.990	1134.390	1190.500	1155.700	1105.280
43	1078.760	1113.720	1147.550	1136.170	1089.660
44	1090.640	1097.920	1123.790	1128.860	1116.020
45	1105.280	1087.110	1115.900	1125.730	1169.050
46	1114.500	1104.000	1138.040	1117.200	1187.980
47	1123.820	1112.080	1150.660	1126.930	1178.120
48	1141.360	1108.530	1152.940	1149.470	1154.390
49	1152.500	1114.720	1155.020	1143.750	1135.320
50	1146.050	1120.870	1145.880	1116.330	1121.900
51	1136.430	1117.760	1128.610	1097.540	1118.480
52	1141.140	1119.060	1118.560	1108.240	1136.770
53	1144.710	1133.650	1130.560	1138.620	1161.040
54	1132.440	1141.560	1131.320	1143.910	1159.710
55	1111.950	1129.090	1117.990	1129.810	1141.080
56	1083.740	1084.420	1093.300	1113.100	1121.780
57	1053.150	1038.960	1046.500	1078.600	1076.290
58	1021.300	1021.010	1016.270	1045.410	1027.210
59	1015.920	1022.090	1042.720	1041.810	1041.480
60	1025.490	1042.010	1056.820	1039.400	1054.280
61	1049.560	1052.320	1041.530	1051.350	1014.020
62	1017.120	1055.530	1006.070	1033.330	991.490
63	962.510	982.180	953.340	994.060	973.300
64	950.970	897.470	925.090	979.940	942.690
65	967.900	912.020	926.810	974.040	954.500
66	911.540	899.950	915.120	919.530	925.580
67	846.130	870.810	838.070	873.490	903.650
68	808.600	824.480	801.020	846.660	882.860
69	811.310	796.380	826.010	845.490	870.210
70	799.510	790.240	820.940	857.320	885.150
71	771.110	770.690	770.020	855.870	857.430
72	732.260	735.890	751.350	778.200	758.860
73	708.400	726.670	730.430	709.480	741.080
74	715.210	706.650	722.160	678.980	719.310
75	756.840	720.040	753.480	697.670	727.460

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CANDELA TABULATION - (Cont.)

76	790.820	781.010	794.970	737.310	728.540
77	744.260	760.830	746.210	695.480	676.530
78	672.130	732.590	729.240	663.630	627.200
79	611.270	668.250	609.440	588.940	622.850
80	484.330	554.390	530.490	560.540	568.590
81	393.700	474.710	455.230	527.910	497.210
82	339.600	373.970	354.700	424.140	415.260
83	261.510	273.230	318.620	333.980	291.240
84	170.690	173.840	210.850	243.820	228.350
85	121.150	131.190	135.320	154.290	144.040
86	99.340	102.800	109.610	105.810	114.520
87	77.860	76.500	85.360	90.460	92.690
88	56.370	59.670	61.100	70.980	71.060
89	48.240	48.660	49.110	50.460	49.440
90	32.440	32.500	34.560	35.560	35.780
91	21.690	16.340	16.260	20.660	19.820
92	10.990	0.350	10.680	5.910	13.080
93	0.290	0.000	5.370	0.000	6.650
94	5.070	0.000	0.070	0.000	0.220
95	9.790	0.040	0.040	0.030	0.000
96	6.160	0.870	0.110	0.190	0.000
97	3.840	1.240	0.620	7.040	0.080
98	2.610	0.560	1.350	13.890	3.120
99	1.340	0.490	4.580	21.040	22.110
100	0.220	0.580	8.190	46.820	41.240
101	0.190	0.740	13.760	56.140	60.380
102	0.220	0.870	19.370	57.070	63.320
103	0.220	1.150	22.020	56.240	62.770
104	0.240	1.970	24.640	53.210	60.170
105	0.270	3.030	27.270	50.300	56.380
106	0.320	3.820	26.350	46.670	51.860
107	0.360	4.070	24.660	42.920	47.750
108	0.410	4.420	22.540	39.160	43.120
109	0.450	4.230	19.630	35.280	38.240
110	0.510	4.050	17.400	31.550	34.560
111	0.580	3.840	15.450	27.860	30.330
112	0.620	3.510	14.320	25.770	27.000
113	0.630	3.470	13.560	24.070	24.690
114	0.610	3.350	12.920	22.380	22.850
115	0.570	3.140	12.260	20.670	21.060
116	0.520	2.750	11.590	18.520	18.470
117	0.440	2.610	10.920	17.690	16.130
118	0.340	2.540	11.350	17.400	14.930
119	0.260	2.460	12.370	16.950	13.810
120	0.150	2.320	13.960	17.290	12.660
121	0.070	2.190	14.270	17.650	12.540
122	0.020	2.040	11.960	17.580	12.520
123	0.020	1.880	9.370	15.350	12.680
124	0.020	1.750	7.800	15.800	15.810
125	0.010	1.610	5.890	16.520	22.710
126	0.010	1.450	4.720	14.520	23.580
127	0.010	1.280	4.340	13.430	19.270
128	0.010	1.120	4.060	11.490	18.320
129	0.000	0.970	3.730	9.160	14.660
130	0.000	0.760	3.420	6.670	12.030
131	0.000	0.390	3.100	5.750	9.430

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CANDELA TABULATION - (Cont.)

132	0.000	0.050	2.780	5.350	6.820
133	0.000	0.060	2.450	4.880	6.270
134	0.000	0.100	2.110	4.460	5.610
135	0.000	0.110	1.760	3.980	5.000
136	0.000	0.120	1.340	3.620	4.500
137	0.000	0.120	0.690	2.930	3.970
138	0.000	0.110	0.150	2.450	3.160
139	0.000	0.100	0.100	1.880	2.630
140	0.020	0.080	0.100	1.050	2.060
141	0.030	0.070	0.090	0.270	1.150
142	0.040	0.070	0.080	0.080	0.320
143	0.040	0.070	0.070	0.070	0.080
144	0.050	0.060	0.070	0.070	0.080
145	0.050	0.060	0.050	0.060	0.070
146	0.040	0.050	0.050	0.060	0.070
147	0.030	0.040	0.040	0.060	0.060
148	0.030	0.030	0.050	0.040	0.050
149	0.020	0.030	0.050	0.040	0.040
150	0.020	0.020	0.040	0.040	0.040
151	0.020	0.020	0.040	0.040	0.040
152	0.020	0.020	0.030	0.040	0.040
153	0.020	0.020	0.020	0.040	0.040
154	0.010	0.020	0.020	0.030	0.030
155	0.010	0.020	0.020	0.020	0.020
156	0.000	0.020	0.010	0.010	0.010
157	0.000	0.020	0.010	0.010	0.010
158	0.000	0.020	0.020	0.010	0.000
159	0.000	0.020	0.020	0.010	0.000
160	0.000	0.020	0.020	0.010	0.000
161	0.000	0.020	0.020	0.010	0.010
162	0.000	0.010	0.020	0.010	0.010
163	0.010	0.010	0.020	0.010	0.000
164	0.010	0.000	0.020	0.010	0.000
165	0.010	0.000	0.010	0.010	0.000
166	0.020	0.000	0.000	0.000	0.000
167	0.020	0.000	0.000	0.000	0.000
168	0.020	0.000	0.000	0.000	0.000
169	0.010	0.000	0.000	0.000	0.000
170	0.010	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	407.58	7.40	7.40
0-30	940.16	17.00	17.00
0-40	1672.55	30.30	30.30
0-60	3534.85	64.00	64.00
0-80	5240.88	94.90	94.90
0-90	5483.27	99.30	99.30
10-90	5390.14	97.60	97.60
20-40	1264.97	22.90	22.90
20-50	2144.88	38.80	38.80
40-70	2791.77	50.50	50.50
60-80	1706.03	30.90	30.90
70-80	776.57	14.10	14.10
80-90	242.38	4.40	4.40
90-110	26.05	0.50	0.50
90-120	34.28	0.60	0.60
90-130	39.11	0.70	0.70
90-150	40.32	0.70	0.70
90-180	40.35	0.70	0.70
110-180	14.30	0.30	0.30
0-180	5523.62	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	93.14
10-20	314.45
20-30	532.57
30-40	732.40
40-50	879.91
50-60	982.39
60-70	929.46
70-80	776.57
80-90	242.38
90-100	8.32
100-110	17.72
110-120	8.24
120-130	4.83
130-140	1.13
140-150	0.08
150-160	0.02
160-170	0.01
170-180	0.00

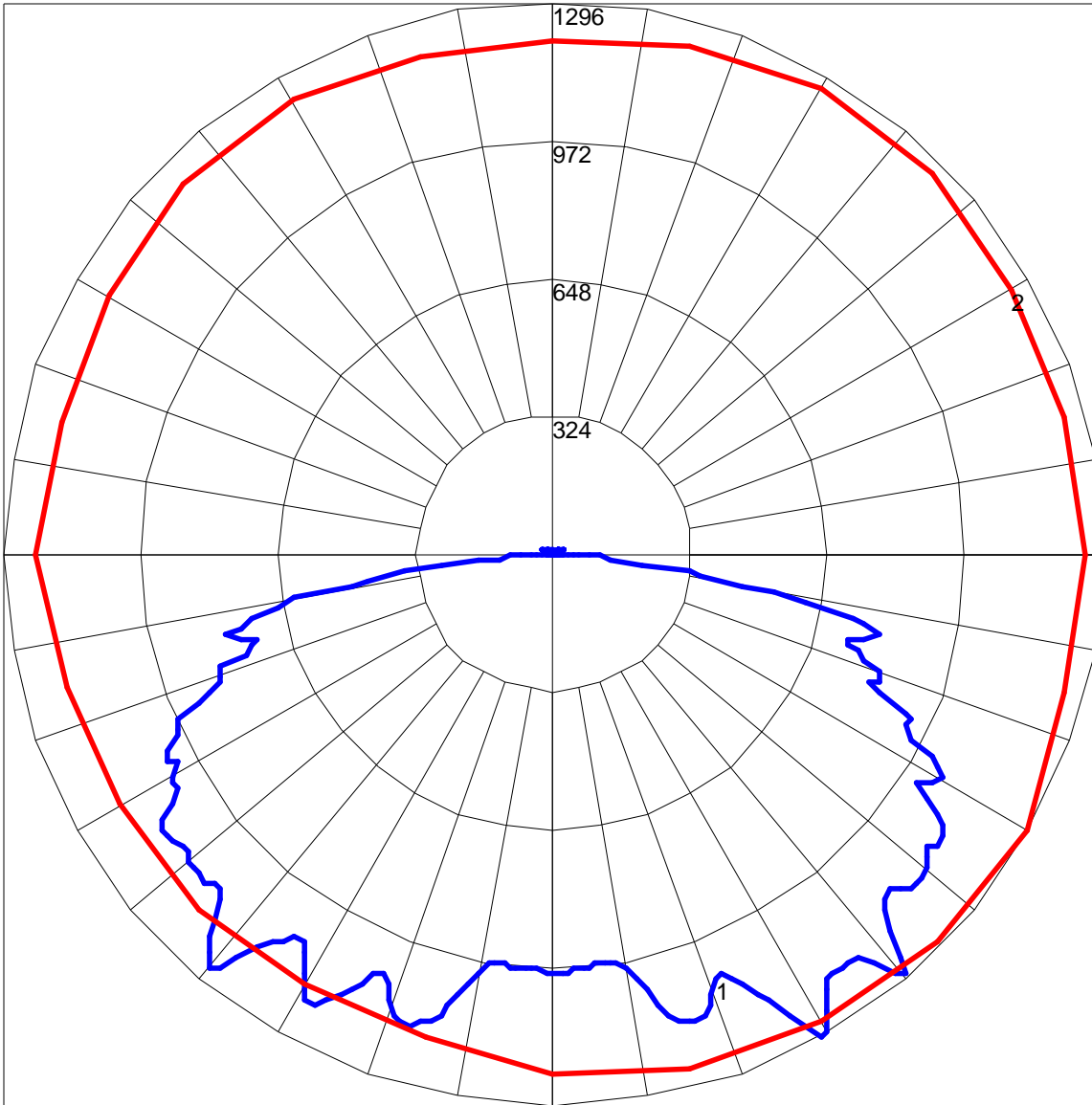
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	101	101	101	99
1	106	100	94	89	103	97	92	88	93	88	85	88	85	82	85	82	79	77
2	94	84	76	69	91	82	74	68	78	72	66	74	69	64	71	67	63	60
3	84	72	62	54	82	70	61	54	67	59	53	64	57	52	61	55	51	48
4	76	62	52	44	74	61	51	44	58	50	43	56	48	43	53	47	42	39
5	69	55	45	37	67	54	44	37	51	43	36	49	42	36	47	40	35	33
6	64	49	39	32	62	48	38	31	46	37	31	44	36	31	42	35	30	28
7	59	44	34	27	57	43	34	27	41	33	27	40	32	26	38	31	26	24
8	54	40	30	24	53	39	30	24	37	29	23	36	29	23	35	28	23	21
9	51	36	27	21	49	35	27	21	34	26	21	33	26	21	32	25	20	18
10	47	33	24	19	46	32	24	19	31	24	19	30	23	18	29	23	18	16

POLAR GRAPH



Maximum Candela = 1296.46 Located At Horizontal Angle = 330, Vertical Angle = 29
1 - Vertical Plane Through Horizontal Angles (330 - 150) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (29) (Through Max. Cd.)