



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : CPYSA10LED40DMVBZ40-NVLAP-IES.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST]

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 10 November 2018

[ISSUEDATE] 2018-11-10 17:33:56

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] MOBERN LIGHTING CO.

[LUMCAT] CPYSA10LED40DMVBZ40

[LUMINAIRE] LED

[BALLAST] 120-277Vac 50/60Hz

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER]	0- 10	89.54	89.54	1.67	1.67
[OTHER]	10- 20	301.93	391.47	7.28	7.28
[OTHER]	20- 30	514.23	905.70	16.85	16.85
[OTHER]	30- 40	709.97	1615.67	30.07	30.07
[OTHER]	40- 50	853.79	2469.46	45.96	45.96
[OTHER]	50- 60	959.00	3428.46	63.80	63.80
[OTHER]	60- 70	913.61	4342.07	80.80	80.80
[OTHER]	70- 80	760.65	5102.72	94.96	94.96
[OTHER]	80- 90	232.27	5334.99	99.28	99.28
[OTHER]	90-100	7.65	5342.64	99.42	99.42
[OTHER]	100-110	17.19	5359.83	99.74	99.74
[OTHER]	110-120	8.01	5367.83	99.89	99.89
[OTHER]	120-130	4.62	5372.45	99.98	99.98
[OTHER]	130-140	1.08	5373.53	100.00	100.00
[OTHER]	140-150	0.08	5373.61	100.00	100.00
[OTHER]	150-160	0.03	5373.64	100.00	100.00
[OTHER]	160-170	0.01	5373.65	100.00	100.00
[OTHER]	170-180	0.00	5373.65	100.00	100.00
[OTHER]					

[OTHER]

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**CHARACTERISTICS**

Lumens Per Lamp	5373.6 (1 lamp)
Total Lamp Lumens	5373.6
Luminaire Lumens	5374
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	39.6933
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.76
Spacing Criterion (90-270)	1.82
Spacing Criterion (Diagonal)	1.90
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	22912	21998	22359
55	28434	27899	27425
65	32249	31159	31236
75	39865	39123	37606
85	24415	26859	27030

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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	943.448	943.448	943.448	943.448	943.448	943.448	943.448	943.448	943.448	943.448
1	944.160	944.130	946.350	946.710	946.210	946.120	946.940	945.660	944.090	942.450
2	943.430	944.530	945.450	947.600	947.880	949.570	948.800	945.790	942.570	939.620
3	940.720	942.190	943.280	945.010	946.620	946.980	948.560	945.560	941.470	937.880
4	940.610	939.590	939.520	941.970	940.540	942.520	946.790	944.890	941.080	938.030
5	937.660	938.620	938.190	938.870	936.940	937.970	942.400	941.330	940.920	938.930
6	936.540	935.730	934.680	935.970	933.820	932.960	936.690	936.320	938.030	934.970
7	932.680	933.500	932.930	932.390	932.070	930.670	932.730	933.840	933.540	931.930
8	932.290	932.740	933.310	933.540	932.520	931.110	933.480	934.790	932.950	932.470
9	938.030	935.990	936.930	935.420	935.160	934.440	937.990	941.330	938.890	938.090
10	952.330	948.490	946.170	944.660	945.320	941.950	947.240	953.750	950.720	955.080
11	974.650	969.810	969.380	963.100	964.310	960.860	963.090	971.160	972.340	981.380
12	1002.300	997.930	998.050	990.280	992.410	993.710	987.830	996.200	998.130	1012.100
13	1032.310	1026.680	1027.410	1018.950	1023.630	1029.830	1021.530	1027.310	1024.610	1041.310
14	1056.770	1049.120	1049.720	1046.620	1052.610	1058.630	1052.870	1056.880	1048.700	1062.970
15	1079.380	1067.470	1066.980	1065.930	1070.780	1076.860	1077.340	1081.890	1068.060	1079.410
16	1097.600	1084.270	1084.730	1086.040	1084.350	1089.980	1090.890	1102.430	1086.550	1096.130
17	1113.150	1097.840	1097.260	1096.530	1098.600	1101.490	1098.630	1119.330	1102.530	1115.080
18	1115.910	1105.260	1103.600	1100.440	1102.330	1105.400	1099.130	1122.340	1108.160	1122.420
19	1100.110	1093.120	1096.220	1090.280	1092.640	1096.620	1094.050	1109.040	1094.250	1112.080
20	1073.490	1075.130	1080.250	1070.900	1073.520	1074.040	1077.010	1080.380	1066.400	1085.560
21	1044.450	1045.670	1052.230	1048.410	1053.620	1054.350	1055.590	1049.040	1035.600	1058.530
22	1032.980	1031.530	1035.190	1036.530	1042.510	1041.850	1039.610	1031.030	1024.610	1042.370
23	1040.080	1036.460	1036.060	1036.170	1044.750	1040.400	1038.200	1033.410	1029.840	1043.320
24	1061.740	1063.010	1053.510	1051.880	1053.380	1048.270	1047.580	1052.720	1051.220	1065.040
25	1106.710	1109.260	1095.810	1079.090	1071.000	1065.170	1072.650	1092.600	1092.990	1108.190
26	1129.930	1135.200	1117.380	1109.140	1116.390	1107.610	1115.280	1125.470	1130.100	1134.160
27	1150.360	1158.200	1140.040	1132.790	1141.500	1133.310	1143.770	1150.200	1159.370	1166.270
28	1174.900	1175.310	1164.930	1157.200	1163.330	1154.780	1159.990	1165.620	1180.700	1183.990
29	1210.550	1197.170	1187.040	1187.420	1183.780	1175.920	1170.170	1179.180	1188.050	1182.330
30	1221.280	1213.200	1197.290	1204.480	1194.800	1184.920	1172.310	1184.630	1189.190	1169.890
31	1211.120	1215.700	1189.980	1200.310	1200.900	1181.580	1171.450	1174.570	1174.800	1152.240
32	1200.260	1195.710	1160.100	1179.940	1181.120	1164.880	1152.680	1149.050	1143.830	1122.890
33	1198.500	1169.530	1130.920	1142.170	1144.840	1127.400	1126.120	1124.970	1115.340	1100.030
34	1197.410	1149.400	1121.320	1114.010	1117.500	1096.400	1112.170	1119.770	1096.650	1089.400
35	1171.130	1139.190	1132.350	1102.180	1110.700	1089.570	1112.860	1119.180	1091.260	1092.660
36	1146.550	1136.550	1151.370	1108.350	1113.700	1107.760	1128.130	1119.890	1091.580	1109.460
37	1125.610	1129.420	1166.950	1121.160	1105.960	1131.860	1156.110	1110.460	1093.560	1132.130
38	1117.310	1128.800	1175.920	1134.810	1093.930	1141.100	1175.310	1105.640	1107.910	1168.470
39	1115.640	1132.840	1188.030	1142.950	1083.730	1138.220	1179.350	1121.950	1122.960	1197.140
40	1117.850	1126.830	1199.070	1151.410	1087.760	1139.570	1186.640	1139.060	1118.900	1196.090
41	1114.340	1116.830	1197.410	1149.500	1093.190	1141.300	1181.530	1134.200	1098.810	1177.760
42	1097.300	1097.110	1173.770	1135.010	1089.420	1137.280	1163.010	1105.530	1074.990	1156.700
43	1074.390	1081.350	1137.150	1111.410	1074.160	1112.140	1138.870	1078.600	1064.330	1139.550
44	1083.170	1079.000	1115.340	1085.590	1059.610	1080.160	1116.370	1068.390	1066.280	1115.360
45	1118.380	1078.660	1108.700	1073.760	1061.430	1065.950	1091.380	1076.010	1054.840	1094.960
46	1140.030	1071.410	1106.170	1078.300	1065.530	1070.620	1066.650	1093.520	1052.800	1104.390
47	1136.870	1071.420	1105.950	1091.350	1067.650	1092.760	1066.580	1112.940	1064.900	1126.740
48	1117.020	1079.420	1104.020	1094.060	1071.300	1106.970	1081.270	1116.970	1081.190	1133.490
49	1099.290	1083.560	1113.540	1078.310	1081.640	1114.980	1080.000	1113.020	1080.290	1133.330
50	1090.670	1080.230	1116.510	1062.680	1101.650	1120.060	1066.600	1105.070	1074.380	1132.040
51	1094.990	1075.000	1109.980	1059.590	1111.830	1104.790	1062.050	1098.760	1064.380	1113.480
52	1113.980	1080.990	1108.720	1063.310	1101.930	1074.220	1061.350	1090.300	1062.400	1095.030
53	1133.850	1093.280	1113.040	1085.430	1098.210	1070.920	1070.930	1095.900	1074.550	1091.800

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**CANDELA TABULATION - (Cont.)**

54	1139.380	1101.270	1097.200	1105.380	1092.340	1083.760	1082.490	1103.030	1090.340	1089.070
55	1125.790	1093.400	1075.460	1104.630	1078.720	1089.040	1085.840	1107.640	1096.920	1072.010
56	1101.400	1070.160	1052.880	1079.130	1066.970	1093.490	1085.120	1102.230	1088.980	1070.130
57	1058.330	1038.780	1030.890	1048.160	1058.030	1085.700	1078.080	1080.500	1064.020	1057.010
58	1011.140	1007.680	1008.040	1014.820	1035.690	1050.700	1055.050	1035.910	1017.800	1017.400
59	1022.670	1002.350	1013.620	994.010	1011.440	1015.340	1021.560	1013.140	994.940	1015.650
60	1039.740	1037.390	1044.330	1003.180	995.680	1007.640	994.580	1025.950	1027.090	1029.210
61	1004.340	1049.610	1053.770	1028.600	1003.810	988.790	983.160	999.720	1041.690	1032.150
62	981.280	1036.990	1032.250	1050.450	1007.200	970.060	993.360	1011.030	1034.930	1039.390
63	961.690	981.040	1003.620	1033.010	984.660	940.270	966.770	1001.140	991.250	980.610
64	932.830	944.900	939.880	953.760	953.760	912.930	921.870	931.410	934.150	940.010
65	940.800	930.160	914.430	909.010	951.360	919.650	911.250	902.810	921.180	923.270
66	924.140	895.320	895.140	907.520	960.650	958.140	934.450	899.200	895.290	895.810
67	896.980	842.250	850.190	895.350	930.960	966.650	911.290	890.860	859.400	850.870
68	877.710	829.670	773.310	822.510	860.720	894.180	877.440	860.510	815.900	797.260
69	865.630	795.420	748.920	807.410	819.430	846.380	839.470	819.630	791.170	771.110
70	873.710	805.180	788.970	808.050	833.190	881.810	866.410	810.380	771.600	794.470
71	849.930	805.740	766.690	776.920	819.020	888.650	850.560	802.550	788.430	772.060
72	758.420	779.530	727.340	738.150	765.580	794.450	827.910	768.440	761.900	721.000
73	745.920	732.310	732.470	701.070	729.650	762.070	791.640	729.450	725.070	695.410
74	714.750	700.090	717.960	696.780	720.740	766.570	738.520	720.620	708.710	679.780
75	712.240	687.370	694.570	698.980	707.080	705.860	671.870	686.430	687.740	668.570
76	730.950	727.180	765.390	736.490	774.300	716.160	699.600	718.540	751.190	740.730
77	667.970	676.620	766.700	779.130	762.680	754.820	689.090	692.440	745.190	764.380
78	633.650	666.360	713.730	774.360	722.690	651.300	670.400	677.050	738.660	740.930
79	607.170	596.570	674.880	737.970	686.110	650.450	645.170	634.280	661.360	683.700
80	565.730	591.870	571.100	647.220	583.100	599.450	641.950	562.250	612.750	605.150
81	503.420	531.630	497.590	561.540	473.070	519.340	539.340	499.240	515.300	506.850
82	430.570	445.530	405.760	452.480	368.830	462.820	476.060	430.960	393.000	415.170
83	291.340	380.090	307.520	355.380	324.940	360.460	371.320	302.020	318.650	274.260
84	223.680	294.340	263.460	258.280	222.240	258.090	266.580	214.750	244.300	205.720
85	146.890	208.590	172.120	161.590	150.800	156.790	162.620	153.830	170.010	149.450
86	115.070	123.960	114.970	124.230	111.570	123.750	120.640	113.180	110.100	104.720
87	93.220	91.520	93.750	89.540	91.900	91.620	100.490	93.300	90.550	86.700
88	71.420	69.730	73.440	72.990	72.460	73.170	77.960	74.030	68.580	69.220
89	49.620	51.390	53.140	55.040	53.010	55.420	57.130	54.770	53.930	51.650
90	34.950	36.390	35.920	36.700	38.410	36.910	37.940	41.600	36.480	37.730
91	18.100	21.390	16.970	18.350	5.060	18.400	18.760	22.930	19.020	23.390
92	12.020	6.580	11.170	0.210	2.280	0.000	0.010	15.070	1.950	15.560
93	6.050	0.000	5.660	0.000	0.010	0.000	0.000	7.590	0.000	7.870
94	0.090	0.000	0.150	0.000	2.950	0.920	0.100	0.100	0.090	0.180
95	0.000	0.040	0.070	0.060	6.370	6.970	13.690	6.890	3.790	0.040
96	0.010	0.190	0.140	0.650	3.870	4.340	12.770	4.820	5.460	0.130
97	0.110	6.910	0.590	0.270	2.230	2.650	8.400	2.920	3.300	0.620
98	3.550	13.630	1.340	0.370	1.080	1.480	5.200	1.640	1.890	0.240
99	21.930	20.800	4.900	0.420	0.120	0.370	3.490	0.570	0.450	0.320
100	40.650	45.640	9.090	0.470	0.060	0.000	1.530	0.040	0.050	0.390
101	59.370	54.100	14.720	0.580	0.130	0.000	0.160	0.010	0.080	0.490
102	60.820	55.700	19.310	0.720	0.200	0.000	0.090	0.010	0.130	0.640
103	61.300	55.160	23.900	1.060	0.230	0.000	0.080	0.010	0.170	0.860
104	59.190	53.050	28.480	2.100	0.240	0.000	0.080	0.010	0.200	1.550
105	55.800	50.480	29.720	3.640	0.260	0.000	0.130	0.010	0.230	2.750
106	51.780	47.130	28.530	4.450	0.300	0.000	0.110	0.010	0.280	3.860
107	47.310	43.710	26.470	4.900	0.360	0.000	0.060	0.000	0.340	4.460
108	43.340	40.030	24.060	4.840	0.440	0.000	0.070	0.000	0.400	4.690
109	38.100	35.840	20.840	4.880	0.550	0.000	0.050	0.000	0.520	4.900

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**CANDELA TABULATION - (Cont.)**

110	34.710	32.250	18.500	4.350	0.560	0.000	0.040	0.000	0.570	4.510
111	30.690	28.580	16.180	4.120	0.630	0.000	0.030	0.000	0.630	4.220
112	27.240	25.630	14.400	3.760	0.680	0.000	0.030	0.000	0.710	3.910
113	24.680	24.160	13.180	3.410	0.660	0.000	0.050	0.000	0.760	3.520
114	22.540	22.680	12.530	3.320	0.650	0.000	0.040	0.000	0.770	3.380
115	21.200	21.190	12.150	3.200	0.610	0.000	0.030	0.000	0.760	3.270
116	18.970	19.100	11.520	2.870	0.550	0.000	0.020	0.000	0.730	3.080
117	15.930	17.610	10.890	2.550	0.470	0.000	0.010	0.000	0.660	2.720
118	14.760	16.930	10.260	2.440	0.370	0.000	0.000	0.000	0.560	2.510
119	13.560	16.580	11.120	2.320	0.290	0.000	0.000	0.000	0.470	2.400
120	12.430	16.840	12.800	2.190	0.220	0.000	0.000	0.000	0.370	2.250
121	12.100	17.210	14.360	2.060	0.130	0.000	0.000	0.000	0.270	2.100
122	12.130	17.550	13.020	1.950	0.060	0.000	0.000	0.000	0.170	1.950
123	12.100	16.220	10.150	1.850	0.000	0.000	0.000	0.000	0.050	1.810
124	12.660	15.430	8.360	1.710	0.000	0.000	0.000	0.000	0.000	1.670
125	19.620	15.950	6.990	1.590	0.000	0.000	0.000	0.000	0.000	1.530
126	22.770	14.670	4.900	1.450	0.000	0.000	0.000	0.000	0.000	1.430
127	19.330	12.390	4.320	1.310	0.000	0.000	0.000	0.000	0.000	1.320
128	17.120	11.160	4.010	1.170	0.000	0.000	0.000	0.000	0.000	1.190
129	13.880	9.350	3.780	1.020	0.000	0.000	0.000	0.000	0.000	1.050
130	11.430	7.750	3.510	0.830	0.000	0.000	0.000	0.000	0.000	0.900
131	9.040	5.770	3.200	0.610	0.000	0.000	0.000	0.000	0.000	0.770
132	6.660	5.260	2.880	0.250	0.000	0.000	0.000	0.000	0.000	0.610
133	6.150	4.920	2.520	0.110	0.000	0.000	0.000	0.000	0.000	0.320
134	5.560	4.420	2.190	0.140	0.000	0.000	0.000	0.000	0.000	0.140
135	4.930	3.960	1.860	0.160	0.000	0.000	0.000	0.000	0.000	0.150
136	4.410	3.550	1.470	0.170	0.000	0.000	0.000	0.000	0.000	0.170
137	3.870	2.970	0.960	0.180	0.000	0.000	0.000	0.000	0.000	0.170
138	3.110	2.530	0.350	0.180	0.020	0.000	0.000	0.000	0.010	0.170
139	2.580	2.010	0.160	0.180	0.030	0.000	0.000	0.000	0.030	0.160
140	2.000	1.260	0.160	0.170	0.060	0.000	0.000	0.000	0.070	0.160
141	1.060	0.440	0.150	0.160	0.070	0.000	0.000	0.000	0.080	0.150
142	0.280	0.120	0.140	0.150	0.080	0.000	0.000	0.000	0.090	0.150
143	0.090	0.120	0.140	0.150	0.080	0.060	0.000	0.080	0.110	0.150
144	0.090	0.110	0.130	0.150	0.090	0.090	0.050	0.110	0.130	0.140
145	0.080	0.110	0.110	0.140	0.090	0.120	0.070	0.130	0.140	0.130
146	0.080	0.100	0.110	0.120	0.100	0.140	0.090	0.150	0.140	0.120
147	0.070	0.090	0.100	0.110	0.110	0.150	0.100	0.160	0.150	0.110
148	0.060	0.070	0.100	0.100	0.110	0.150	0.110	0.170	0.150	0.100
149	0.060	0.060	0.090	0.080	0.120	0.160	0.110	0.160	0.160	0.090
150	0.050	0.060	0.090	0.070	0.120	0.150	0.110	0.160	0.160	0.090
151	0.060	0.060	0.090	0.070	0.130	0.150	0.110	0.160	0.150	0.090
152	0.050	0.060	0.080	0.060	0.130	0.150	0.110	0.160	0.150	0.100
153	0.050	0.060	0.050	0.070	0.130	0.150	0.100	0.150	0.150	0.110
154	0.050	0.050	0.040	0.070	0.130	0.140	0.100	0.150	0.150	0.120
155	0.040	0.040	0.030	0.070	0.130	0.140	0.100	0.150	0.150	0.120
156	0.030	0.030	0.020	0.080	0.120	0.130	0.100	0.140	0.150	0.130
157	0.020	0.030	0.010	0.080	0.110	0.130	0.100	0.140	0.150	0.130
158	0.010	0.020	0.000	0.090	0.100	0.120	0.100	0.140	0.150	0.130
159	0.010	0.020	0.000	0.090	0.100	0.120	0.100	0.140	0.140	0.120
160	0.010	0.030	0.000	0.070	0.090	0.110	0.090	0.130	0.140	0.100
161	0.020	0.030	0.020	0.000	0.090	0.110	0.090	0.130	0.140	0.020
162	0.020	0.030	0.060	0.000	0.080	0.100	0.090	0.120	0.130	0.010
163	0.020	0.040	0.060	0.000	0.080	0.090	0.080	0.110	0.120	0.010
164	0.020	0.030	0.060	0.000	0.000	0.080	0.080	0.110	0.050	0.000
165	0.010	0.030	0.060	0.000	0.000	0.070	0.070	0.090	0.000	0.000

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

166	0.010	0.030	0.040	0.000	0.000	0.000	0.040	0.000	0.000	0.000
167	0.010	0.020	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.070
168	0.010	0.020	0.030	0.040	0.000	0.000	0.000	0.000	0.000	0.090
169	0.010	0.010	0.020	0.040	0.000	0.000	0.000	0.000	0.020	0.090
170	0.010	0.010	0.030	0.040	0.040	0.000	0.000	0.000	0.080	0.080
171	0.010	0.010	0.030	0.040	0.040	0.020	0.030	0.040	0.070	0.080
172	0.000	0.010	0.020	0.030	0.030	0.010	0.030	0.040	0.060	0.070
173	0.000	0.010	0.020	0.020	0.020	0.000	0.020	0.030	0.050	0.060
174	0.000	0.000	0.000	0.000	0.010	0.000	0.020	0.030	0.040	0.050
175	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020	0.040
176	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010
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	943.448	943.448	943.448	943.448	943.448	943.448	943.448	943.448	943.448	943.448
1	942.720	941.810	941.280	941.850	942.030	942.210	941.110	941.380	942.850	943.200
2	939.460	938.910	939.860	941.370	940.330	940.260	940.320	938.970	940.410	940.110
3	937.910	938.630	940.050	940.570	939.570	937.940	938.220	937.340	938.710	937.910
4	937.820	938.000	939.840	939.520	938.040	934.870	934.680	933.600	935.290	934.870
5	937.080	936.490	939.310	936.660	933.590	928.970	928.720	928.850	931.530	930.210
6	937.180	933.710	935.860	932.910	929.150	924.370	924.400	926.220	928.010	926.030
7	933.840	931.300	932.020	931.340	928.060	925.630	924.750	927.170	928.930	927.620
8	934.320	931.220	932.980	934.750	933.070	930.950	931.120	933.070	934.170	933.090
9	938.630	938.870	942.010	945.860	942.880	943.140	943.080	946.150	947.650	945.700
10	954.860	955.520	960.310	968.430	966.270	970.640	968.710	972.020	972.750	969.340
11	984.630	985.160	987.360	1000.130	997.160	1008.510	1002.740	1007.070	1005.790	1001.600
12	1020.270	1017.380	1019.320	1033.010	1032.660	1042.140	1036.180	1041.040	1036.360	1031.400
13	1049.750	1044.370	1050.770	1058.130	1055.350	1065.910	1061.040	1067.840	1056.570	1053.440
14	1069.870	1066.320	1074.710	1077.340	1068.200	1079.970	1075.840	1083.470	1070.870	1068.530
15	1084.400	1078.660	1092.280	1089.760	1076.760	1087.990	1085.680	1095.070	1084.480	1086.780
16	1096.960	1087.840	1101.960	1097.240	1087.530	1101.420	1097.150	1105.070	1100.490	1095.500
17	1107.400	1091.340	1104.020	1095.250	1094.130	1109.830	1104.910	1108.070	1101.860	1097.320
18	1109.260	1090.910	1101.140	1085.680	1096.780	1101.470	1098.740	1098.220	1089.320	1082.540
19	1100.270	1077.930	1083.860	1067.060	1077.800	1076.120	1075.160	1070.570	1066.220	1060.070
20	1074.340	1058.310	1058.160	1046.800	1050.460	1042.720	1043.510	1044.560	1047.420	1031.730
21	1042.990	1041.950	1030.180	1033.080	1024.300	1023.780	1022.360	1024.580	1039.000	1022.290
22	1023.540	1039.020	1020.130	1033.480	1023.790	1023.980	1021.300	1024.580	1049.740	1030.150
23	1029.790	1048.170	1031.870	1047.290	1043.520	1045.720	1040.030	1043.030	1063.420	1049.840
24	1053.790	1066.690	1063.330	1071.110	1090.040	1088.970	1088.270	1080.510	1103.110	1091.700
25	1095.890	1098.860	1092.040	1098.500	1115.780	1119.510	1109.630	1115.030	1122.550	1118.820
26	1118.240	1125.000	1131.920	1126.900	1148.280	1151.090	1129.420	1141.820	1148.170	1154.710
27	1149.400	1150.900	1160.460	1151.970	1163.310	1168.030	1135.630	1147.860	1175.920	1187.800
28	1169.600	1164.650	1179.490	1166.070	1166.520	1165.690	1131.340	1146.440	1188.890	1215.000
29	1172.870	1164.070	1173.970	1158.800	1154.840	1148.180	1123.490	1125.290	1182.720	1217.660
30	1158.310	1153.050	1135.960	1124.240	1119.320	1106.710	1109.820	1095.920	1155.870	1189.350
31	1130.870	1126.140	1084.680	1070.550	1065.370	1059.030	1079.710	1059.240	1109.340	1143.740
32	1098.270	1080.210	1035.880	1022.060	1018.270	1021.570	1054.580	1047.290	1074.180	1107.400
33	1080.680	1046.710	1015.010	1004.540	1006.940	1013.620	1043.710	1060.250	1064.930	1099.810
34	1080.620	1037.520	1026.120	1020.880	1027.870	1030.240	1042.840	1078.220	1081.820	1114.650
35	1090.620	1052.990	1057.080	1069.110	1064.400	1056.340	1052.130	1088.900	1121.250	1136.580
36	1100.880	1080.750	1090.370	1123.840	1096.170	1084.160	1070.910	1105.050	1163.750	1157.490

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**CANDELA TABULATION - (Cont.)**

37	1115.720	1108.160	1113.240	1161.770	1130.090	1111.620	1095.310	1134.320	1200.910	1171.330
38	1147.030	1128.100	1121.480	1181.130	1166.660	1137.870	1119.260	1172.090	1215.970	1181.320
39	1185.670	1138.790	1121.610	1179.570	1195.080	1148.150	1120.930	1193.030	1204.420	1182.770
40	1203.300	1131.320	1118.940	1174.280	1200.440	1134.050	1104.570	1178.080	1179.820	1163.450
41	1189.140	1118.040	1108.860	1162.530	1173.830	1111.770	1093.660	1144.210	1157.350	1132.470
42	1158.920	1102.330	1088.080	1138.960	1127.720	1084.320	1089.040	1112.740	1135.010	1096.620
43	1122.970	1087.080	1065.690	1118.110	1088.900	1060.080	1076.850	1092.820	1106.980	1076.960
44	1091.880	1076.350	1059.600	1103.220	1069.480	1039.910	1060.440	1093.140	1080.270	1079.350
45	1072.360	1069.110	1061.190	1094.390	1073.090	1041.360	1058.240	1099.540	1077.130	1100.100
46	1078.830	1069.700	1068.610	1085.950	1083.430	1073.600	1074.140	1104.600	1085.170	1112.720
47	1092.030	1084.400	1080.190	1081.150	1081.680	1108.900	1097.820	1108.820	1082.960	1123.250
48	1096.080	1108.290	1104.110	1081.930	1078.000	1121.590	1109.930	1111.160	1074.210	1132.150
49	1098.010	1121.680	1122.640	1087.540	1071.760	1125.390	1110.670	1107.100	1080.240	1122.320
50	1087.020	1126.110	1109.400	1091.100	1066.690	1103.350	1095.410	1093.880	1090.350	1092.790
51	1061.930	1115.910	1082.090	1100.700	1064.190	1074.720	1066.390	1082.130	1114.040	1068.020
52	1064.770	1097.160	1075.000	1111.580	1084.550	1063.510	1056.900	1095.870	1135.130	1075.800
53	1086.790	1090.640	1090.610	1125.790	1118.910	1065.290	1060.860	1113.000	1146.620	1094.260
54	1102.090	1086.280	1105.210	1117.840	1117.720	1061.910	1073.830	1106.520	1128.780	1108.830
55	1098.390	1085.990	1116.620	1106.020	1098.190	1073.440	1083.410	1088.350	1089.920	1113.950
56	1098.580	1083.050	1117.740	1079.230	1075.770	1072.230	1074.180	1061.770	1054.690	1097.080
57	1064.120	1051.910	1067.690	1035.220	1034.140	1037.290	1023.830	1026.320	1018.260	1059.080
58	1012.040	1018.940	1031.710	999.810	1014.070	1020.200	1009.300	1027.000	1006.110	1027.830
59	1009.360	998.230	1022.250	1003.310	1029.250	1029.600	1037.390	1035.960	1020.690	999.540
60	1012.950	1012.070	1024.140	1030.440	1028.010	1011.680	1028.290	1022.430	1012.100	979.240
61	991.930	1044.380	1023.380	1041.940	1003.020	996.000	998.990	1006.930	988.920	966.170
62	1010.540	1024.630	1008.200	1001.110	979.700	946.530	940.650	955.810	932.550	956.710
63	1006.470	981.110	960.640	953.100	941.080	943.120	921.690	900.920	923.720	945.560
64	977.350	941.600	922.440	917.280	925.950	961.810	944.310	884.610	948.160	970.140
65	976.650	942.530	909.770	910.060	946.800	986.890	962.840	903.890	957.300	995.980
66	959.380	931.420	910.690	881.550	911.920	936.480	915.170	883.090	932.060	972.050
67	895.520	857.840	849.120	849.850	844.320	887.450	882.250	824.600	863.440	892.490
68	868.690	822.890	787.370	810.240	795.560	812.960	845.660	787.400	849.040	848.000
69	835.250	812.520	825.360	842.150	816.670	870.570	848.750	810.730	893.380	902.310
70	828.610	809.420	846.910	840.440	796.410	832.970	829.070	825.030	862.090	889.510
71	804.990	824.710	830.450	798.280	781.590	761.410	794.860	785.720	812.390	785.180
72	747.000	762.960	747.130	789.520	728.550	752.530	784.700	750.810	780.210	778.220
73	732.390	715.990	746.830	753.470	712.760	719.290	737.670	721.060	754.550	760.550
74	707.800	689.470	687.640	700.170	716.930	720.730	734.710	693.630	745.370	720.200
75	722.390	672.900	651.880	684.510	748.550	783.970	773.350	711.370	761.560	775.470
76	778.090	717.360	680.240	711.020	761.800	781.270	798.210	743.420	695.590	775.900
77	718.860	677.680	638.510	695.740	747.900	774.690	783.710	696.240	678.150	699.900
78	686.190	638.840	644.910	637.510	694.260	724.350	678.500	635.240	597.990	650.130
79	642.960	611.930	604.650	613.610	635.950	667.180	632.440	554.620	589.180	584.830
80	593.050	548.660	606.130	542.970	527.450	524.690	498.860	500.080	524.200	488.250
81	465.120	488.580	483.250	481.160	425.420	420.140	380.250	442.560	471.060	454.570
82	407.900	408.140	411.590	399.730	357.190	304.020	311.510	373.710	324.880	354.860
83	325.160	322.350	325.600	296.490	283.230	223.270	242.770	232.890	218.140	255.150
84	242.410	222.530	239.610	210.030	209.260	162.440	174.270	169.030	151.360	156.160
85	159.840	154.130	154.830	138.940	136.070	127.800	114.870	111.030	113.120	115.690
86	116.410	113.150	120.100	105.240	99.580	103.830	96.170	92.570	92.840	90.890
87	91.900	90.770	84.410	84.480	82.070	79.970	69.690	74.260	73.100	75.970
88	67.600	68.620	63.140	63.840	59.580	56.100	54.390	55.960	53.370	55.620
89	54.670	46.470	46.100	43.200	45.730	43.120	36.210	45.160	44.820	43.350
90	39.960	35.820	33.640	34.970	31.110	25.160	18.030	21.350	26.480	28.870
91	25.250	25.180	21.180	20.860	16.480	16.720	0.000	14.160	17.620	14.390
92	10.630	9.510	8.750	13.860	1.860	8.390	0.010	7.100	8.910	0.000

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**CANDELA TABULATION - (Cont.)**

93	0.440	4.820	0.470	6.980	0.000	0.060	0.400	0.050	0.210	0.050
94	0.050	0.160	0.000	0.090	0.030	0.010	9.750	11.730	5.480	3.190
95	0.090	0.090	0.010	0.060	0.070	0.360	11.150	10.260	11.100	7.280
96	0.150	0.150	0.050	0.120	0.130	1.560	7.410	6.920	16.720	5.220
97	0.230	0.240	0.230	0.210	0.440	1.240	4.560	4.330	11.450	3.350
98	0.770	1.180	9.430	3.150	1.210	0.540	3.000	2.670	8.210	2.200
99	2.090	18.030	18.630	19.980	5.020	0.350	1.820	1.610	5.030	1.390
100	7.150	35.340	27.910	37.210	8.830	0.450	0.390	0.590	3.500	0.740
101	12.230	52.650	52.910	54.450	12.690	0.600	0.150	0.050	1.390	0.140
102	17.940	57.020	62.030	55.320	17.940	0.730	0.180	0.000	0.020	0.010
103	23.400	56.050	61.770	53.430	22.100	1.110	0.200	0.000	0.000	0.010
104	27.110	53.120	58.550	51.150	24.690	2.030	0.210	0.000	0.000	0.010
105	29.200	50.820	55.340	48.660	26.090	3.070	0.240	0.000	0.000	0.010
106	29.290	47.370	51.260	45.350	25.960	3.760	0.290	0.000	0.000	0.010
107	27.720	44.390	47.130	41.980	23.900	4.070	0.350	0.000	0.000	0.010
108	25.090	40.250	43.110	37.900	21.850	4.320	0.420	0.000	0.000	0.010
109	22.470	35.770	38.000	34.350	19.780	4.000	0.460	0.000	0.000	0.010
110	19.850	32.100	34.180	31.050	17.260	3.860	0.540	0.000	0.000	0.010
111	17.650	27.790	29.640	27.500	15.550	3.690	0.610	0.000	0.000	0.010
112	15.510	25.910	26.280	24.910	14.350	3.300	0.660	0.000	0.000	0.010
113	14.050	23.900	23.850	22.480	13.080	3.190	0.670	0.000	0.000	0.000
114	13.230	22.260	21.230	20.820	12.130	3.070	0.660	0.000	0.000	0.000
115	12.590	20.480	19.730	19.010	11.530	2.910	0.630	0.000	0.000	0.000
116	11.700	18.350	17.570	17.140	10.760	2.550	0.580	0.000	0.000	0.000
117	10.420	16.530	15.270	16.160	10.140	2.380	0.500	0.000	0.000	0.000
118	9.580	15.630	14.490	16.060	10.340	2.280	0.400	0.000	0.000	0.000
119	10.140	15.560	13.700	16.280	11.450	2.150	0.280	0.000	0.000	0.000
120	11.750	15.950	12.560	17.020	13.540	2.020	0.100	0.000	0.000	0.000
121	13.690	17.070	12.410	18.490	14.440	1.880	0.000	0.000	0.000	0.000
122	14.110	17.490	12.800	18.380	12.080	1.740	0.000	0.000	0.000	0.000
123	12.690	17.400	12.920	16.970	9.860	1.610	0.000	0.000	0.000	0.000
124	9.690	16.140	14.190	15.290	7.260	1.470	0.000	0.000	0.000	0.000
125	6.960	16.320	19.380	14.960	4.890	1.300	0.000	0.000	0.000	0.000
126	4.860	14.620	18.460	12.570	4.150	1.010	0.000	0.000	0.000	0.000
127	4.200	13.600	17.530	9.690	3.680	0.660	0.000	0.000	0.000	0.000
128	3.880	11.440	16.590	6.790	2.420	0.330	0.000	0.000	0.000	0.000
129	3.630	9.120	13.910	3.900	1.400	0.170	0.000	0.000	0.000	0.000
130	3.400	6.780	10.900	4.670	1.520	0.270	0.000	0.000	0.000	0.000
131	3.150	5.630	7.460	4.610	1.550	0.380	0.000	0.000	0.000	0.000
132	2.900	5.200	6.180	4.520	1.760	0.240	0.000	0.000	0.000	0.000
133	2.620	4.750	5.560	4.210	1.880	0.020	0.000	0.000	0.000	0.000
134	2.310	4.270	4.840	3.850	1.900	0.030	0.000	0.000	0.000	0.000
135	1.990	3.900	4.340	3.510	1.690	0.040	0.000	0.000	0.000	0.000
136	1.700	3.650	4.040	3.240	1.400	0.050	0.000	0.000	0.000	0.000
137	1.390	3.370	3.820	2.850	1.040	0.040	0.000	0.000	0.000	0.000
138	1.000	2.690	3.380	2.230	0.580	0.040	0.000	0.000	0.000	0.000
139	0.430	2.180	2.600	1.800	0.120	0.040	0.000	0.000	0.000	0.000
140	0.150	1.700	2.050	1.320	0.060	0.030	0.000	0.000	0.000	0.000
141	0.140	1.110	1.580	0.680	0.060	0.030	0.010	0.000	0.000	0.000
142	0.130	0.390	1.000	0.160	0.040	0.030	0.020	0.000	0.000	0.000
143	0.120	0.120	0.340	0.060	0.040	0.030	0.040	0.020	0.000	0.000
144	0.120	0.100	0.080	0.060	0.040	0.030	0.050	0.040	0.000	0.020
145	0.110	0.080	0.080	0.050	0.040	0.030	0.050	0.050	0.000	0.030
146	0.100	0.080	0.060	0.040	0.030	0.030	0.040	0.050	0.000	0.030
147	0.100	0.080	0.060	0.040	0.030	0.030	0.030	0.050	0.010	0.030
148	0.090	0.070	0.060	0.050	0.040	0.030	0.030	0.040	0.010	0.020



**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

149	0.090	0.070	0.060	0.050	0.040	0.030	0.030	0.020	0.000	0.010
150	0.090	0.070	0.060	0.060	0.030	0.030	0.030	0.020	0.000	0.000
151	0.090	0.070	0.060	0.060	0.030	0.030	0.030	0.020	0.000	0.000
152	0.080	0.070	0.060	0.060	0.030	0.030	0.040	0.020	0.000	0.000
153	0.060	0.070	0.070	0.060	0.040	0.030	0.030	0.020	0.000	0.000
154	0.040	0.060	0.060	0.050	0.030	0.030	0.030	0.020	0.000	0.010
155	0.040	0.060	0.050	0.040	0.030	0.030	0.020	0.020	0.000	0.010
156	0.030	0.060	0.040	0.040	0.030	0.030	0.010	0.020	0.000	0.010
157	0.030	0.050	0.040	0.040	0.040	0.030	0.010	0.010	0.000	0.000
158	0.020	0.050	0.040	0.040	0.050	0.030	0.010	0.010	0.000	0.000
159	0.020	0.060	0.050	0.050	0.050	0.040	0.010	0.010	0.000	0.000
160	0.010	0.070	0.050	0.060	0.050	0.040	0.010	0.010	0.000	0.000
161	0.040	0.070	0.060	0.060	0.050	0.050	0.010	0.000	0.000	0.000
162	0.080	0.080	0.060	0.060	0.050	0.040	0.020	0.000	0.000	0.000
163	0.090	0.070	0.060	0.060	0.060	0.040	0.030	0.010	0.000	0.000
164	0.080	0.070	0.060	0.060	0.060	0.040	0.030	0.010	0.000	0.000
165	0.080	0.070	0.060	0.060	0.050	0.040	0.030	0.010	0.000	0.010
166	0.080	0.070	0.060	0.060	0.050	0.030	0.030	0.010	0.000	0.010
167	0.070	0.070	0.060	0.060	0.050	0.030	0.030	0.010	0.000	0.010
168	0.070	0.070	0.060	0.060	0.050	0.040	0.030	0.010	0.000	0.010
169	0.070	0.070	0.050	0.060	0.050	0.040	0.030	0.010	0.000	0.000
170	0.070	0.060	0.050	0.050	0.050	0.040	0.020	0.010	0.000	0.000
171	0.070	0.060	0.050	0.050	0.050	0.030	0.020	0.000	0.000	0.000
172	0.070	0.060	0.050	0.050	0.040	0.020	0.000	0.000	0.000	0.000
173	0.060	0.050	0.040	0.050	0.030	0.000	0.000	0.000	0.000	0.000
174	0.040	0.050	0.030	0.040	0.010	0.000	0.000	0.000	0.000	0.000
175	0.030	0.030	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000
176	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.010	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	943.448	943.448	943.448	943.448	943.448
1	942.550	942.590	943.770	943.030	944.160
2	939.450	940.190	940.030	941.460	943.430
3	936.870	937.630	937.670	939.610	940.720
4	933.990	935.960	937.830	938.690	940.610
5	931.060	934.660	936.030	937.190	937.660
6	928.580	930.580	932.580	933.300	936.540
7	927.730	930.510	930.610	930.430	932.680
8	932.930	932.360	932.590	931.350	932.290
9	944.220	940.570	937.120	936.100	938.030
10	965.130	957.190	953.480	949.810	952.330
11	994.690	983.580	982.120	972.860	974.650
12	1026.780	1013.770	1014.840	999.820	1002.300
13	1052.540	1047.140	1048.460	1030.070	1032.310
14	1073.810	1070.910	1076.780	1055.480	1056.770
15	1097.170	1086.860	1093.410	1078.210	1079.380
16	1112.370	1096.150	1106.080	1095.830	1097.600
17	1116.460	1102.460	1115.090	1111.020	1113.150
18	1095.830	1095.180	1107.880	1111.180	1115.910
19	1067.420	1076.160	1090.760	1093.340	1100.110

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

20	1037.070	1049.400	1061.880	1067.260	1073.490
21	1024.880	1034.310	1037.490	1040.700	1044.450
22	1026.680	1032.680	1031.330	1033.970	1032.980
23	1044.870	1048.040	1043.030	1046.970	1040.080
24	1083.740	1072.430	1072.850	1076.140	1061.740
25	1116.210	1110.850	1110.800	1114.880	1106.710
26	1157.850	1144.700	1138.580	1131.110	1129.930
27	1198.650	1186.660	1177.570	1146.880	1150.360
28	1227.170	1228.550	1217.020	1167.400	1174.900
29	1231.310	1255.210	1254.780	1196.900	1210.550
30	1218.490	1249.340	1255.920	1223.780	1221.280
31	1181.850	1212.120	1218.200	1233.530	1211.120
32	1144.830	1173.040	1170.120	1224.590	1200.260
33	1130.270	1145.550	1153.560	1204.710	1198.500
34	1136.380	1129.920	1151.830	1179.030	1197.410
35	1143.450	1127.030	1151.940	1157.640	1171.130
36	1134.040	1130.930	1144.080	1144.240	1146.550
37	1120.270	1133.360	1149.210	1148.230	1125.610
38	1115.240	1136.760	1189.270	1162.190	1117.310
39	1118.550	1141.420	1233.610	1179.770	1115.640
40	1114.640	1133.350	1229.010	1186.270	1117.850
41	1089.720	1111.640	1184.440	1178.470	1114.340
42	1064.740	1089.300	1140.150	1147.620	1097.300
43	1061.190	1077.130	1114.800	1115.340	1074.390
44	1072.360	1068.980	1096.400	1103.940	1083.170
45	1085.470	1075.280	1089.150	1099.050	1118.380
46	1093.070	1094.690	1108.820	1097.840	1140.030
47	1103.940	1099.820	1124.290	1105.690	1136.870
48	1116.710	1101.190	1128.330	1123.630	1117.020
49	1123.820	1106.720	1122.410	1120.760	1099.290
50	1119.250	1105.630	1113.620	1098.810	1090.670
51	1116.990	1097.780	1096.840	1080.170	1094.990
52	1122.750	1097.430	1091.000	1090.600	1113.980
53	1121.640	1112.280	1109.090	1119.840	1133.850
54	1107.890	1130.000	1112.130	1126.650	1139.380
55	1084.620	1112.230	1106.680	1117.770	1125.790
56	1060.290	1066.100	1079.730	1103.270	1101.400
57	1028.380	1022.870	1034.460	1064.670	1058.330
58	1010.700	1013.930	1014.850	1027.240	1011.140
59	1006.190	1020.770	1039.080	1027.620	1022.670
60	1018.600	1030.770	1035.700	1018.950	1039.740
61	1035.060	1042.270	1015.020	1023.790	1004.340
62	985.670	1029.790	983.310	1008.200	981.280
63	948.750	951.440	935.730	981.640	961.690
64	945.950	889.140	920.460	971.940	932.830
65	961.170	911.620	925.580	969.420	940.800
66	889.280	888.990	905.350	923.330	924.140
67	831.280	854.780	835.890	877.660	896.980
68	807.500	817.920	808.710	847.520	877.710
69	810.220	794.220	831.230	848.490	865.630
70	791.300	782.600	820.740	861.300	873.710
71	764.970	761.270	767.650	853.640	849.930
72	728.420	730.620	743.960	774.940	758.420
73	704.800	719.150	719.290	708.990	745.920
74	710.630	704.100	717.460	685.040	714.750
75	763.860	728.220	749.930	687.440	712.240

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

76	792.420	790.700	794.600	730.020	730.950
77	747.340	766.120	759.970	692.690	667.970
78	660.170	724.490	735.280	664.470	633.650
79	591.050	652.190	618.320	584.330	607.170
80	468.400	537.010	530.340	562.710	565.730
81	382.210	461.250	451.290	524.110	503.420
82	326.930	362.930	347.090	437.300	430.570
83	254.220	264.620	318.260	344.530	291.340
84	157.440	167.500	208.870	251.760	223.680
85	114.490	128.000	133.990	159.280	146.890
86	94.040	98.130	109.600	107.750	115.070
87	74.210	75.850	85.400	90.980	93.220
88	54.390	57.640	61.210	71.350	71.420
89	45.310	47.970	48.090	50.860	49.620
90	29.710	32.000	33.590	35.780	34.950
91	19.800	16.020	15.250	20.690	18.100
92	10.020	0.140	10.080	5.620	12.020
93	0.230	0.000	5.130	0.000	6.050
94	5.170	0.000	0.180	0.000	0.090
95	9.850	0.050	0.050	0.030	0.000
96	6.460	0.940	0.130	0.280	0.010
97	3.980	1.280	0.690	7.080	0.110
98	2.720	0.650	1.400	13.890	3.550
99	1.610	0.500	4.770	20.830	21.930
100	0.320	0.600	8.280	45.600	40.650
101	0.200	0.760	13.760	54.670	59.370
102	0.220	0.870	19.220	55.900	60.820
103	0.230	1.170	21.980	55.180	61.300
104	0.240	2.070	24.650	52.610	59.190
105	0.280	3.100	27.330	50.270	55.800
106	0.320	3.950	26.600	46.660	51.780
107	0.370	4.150	24.950	43.210	47.310
108	0.420	4.430	23.040	39.620	43.340
109	0.450	4.240	20.090	35.360	38.100
110	0.520	4.080	17.880	31.980	34.710
111	0.580	3.890	15.670	28.140	30.690
112	0.620	3.500	14.520	25.920	27.240
113	0.620	3.460	13.620	24.280	24.680
114	0.620	3.370	12.910	22.640	22.540
115	0.580	3.150	12.210	21.000	21.200
116	0.540	2.800	11.860	18.850	18.970
117	0.460	2.640	11.520	17.390	15.930
118	0.370	2.560	11.190	17.030	14.760
119	0.280	2.490	12.140	16.620	13.560
120	0.180	2.350	13.400	16.710	12.430
121	0.090	2.210	14.570	17.010	12.100
122	0.030	2.070	12.470	17.350	12.130
123	0.020	1.920	9.920	16.220	12.100
124	0.020	1.770	8.320	15.360	12.660
125	0.020	1.640	6.500	16.800	19.620
126	0.020	1.480	4.840	15.090	22.770
127	0.010	1.300	4.340	12.680	19.330
128	0.010	1.140	4.060	11.040	17.120
129	0.010	0.990	3.730	9.590	13.880
130	0.010	0.780	3.410	7.170	11.430
131	0.000	0.420	3.100	5.770	9.040

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

132	0.000	0.070	2.780	5.290	6.660
133	0.000	0.040	2.450	4.860	6.150
134	0.000	0.070	2.110	4.400	5.560
135	0.000	0.100	1.760	3.940	4.930
136	0.000	0.100	1.340	3.550	4.410
137	0.000	0.100	0.680	2.920	3.870
138	0.000	0.100	0.150	2.440	3.110
139	0.000	0.090	0.100	1.880	2.580
140	0.010	0.080	0.090	1.060	2.000
141	0.020	0.070	0.080	0.280	1.060
142	0.030	0.070	0.080	0.080	0.280
143	0.030	0.070	0.070	0.080	0.090
144	0.040	0.060	0.070	0.080	0.090
145	0.040	0.050	0.050	0.070	0.080
146	0.030	0.050	0.050	0.070	0.080
147	0.020	0.040	0.050	0.060	0.070
148	0.010	0.030	0.060	0.050	0.060
149	0.010	0.030	0.050	0.050	0.060
150	0.010	0.030	0.050	0.050	0.050
151	0.010	0.020	0.040	0.050	0.060
152	0.010	0.020	0.040	0.050	0.050
153	0.010	0.020	0.030	0.050	0.050
154	0.010	0.020	0.030	0.040	0.050
155	0.000	0.020	0.020	0.030	0.040
156	0.000	0.020	0.020	0.020	0.030
157	0.000	0.020	0.020	0.010	0.020
158	0.000	0.020	0.020	0.010	0.010
159	0.000	0.020	0.020	0.010	0.010
160	0.000	0.020	0.020	0.020	0.010
161	0.000	0.030	0.020	0.020	0.020
162	0.000	0.020	0.030	0.020	0.020
163	0.010	0.010	0.030	0.020	0.020
164	0.010	0.000	0.030	0.020	0.020
165	0.020	0.000	0.020	0.020	0.010
166	0.020	0.000	0.010	0.020	0.010
167	0.020	0.000	0.000	0.010	0.010
168	0.020	0.010	0.000	0.010	0.010
169	0.020	0.010	0.000	0.010	0.010
170	0.020	0.010	0.000	0.010	0.010
171	0.010	0.010	0.000	0.010	0.010
172	0.000	0.000	0.000	0.010	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

**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	391.47	7.30	7.30
0-30	905.70	16.90	16.90
0-40	1615.67	30.10	30.10
0-60	3428.46	63.80	63.80
0-80	5102.72	95.00	95.00
0-90	5334.99	99.30	99.30
10-90	5245.45	97.60	97.60
20-40	1224.2	22.80	22.80
20-50	2077.99	38.70	38.70
40-70	2726.4	50.70	50.70
60-80	1674.26	31.20	31.20
70-80	760.65	14.20	14.20
80-90	232.27	4.30	4.30
90-110	24.84	0.50	0.50
90-120	32.85	0.60	0.60
90-130	37.46	0.70	0.70
90-150	38.62	0.70	0.70
90-180	38.66	0.70	0.70
110-180	13.82	0.30	0.30
0-180	5373.65	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	89.54
10-20	301.93
20-30	514.23
30-40	709.97
40-50	853.79
50-60	959.00
60-70	913.61
70-80	760.65
80-90	232.27
90-100	7.65
100-110	17.19
110-120	8.01
120-130	4.62
130-140	1.08
140-150	0.08
150-160	0.03
160-170	0.01
170-180	0.00

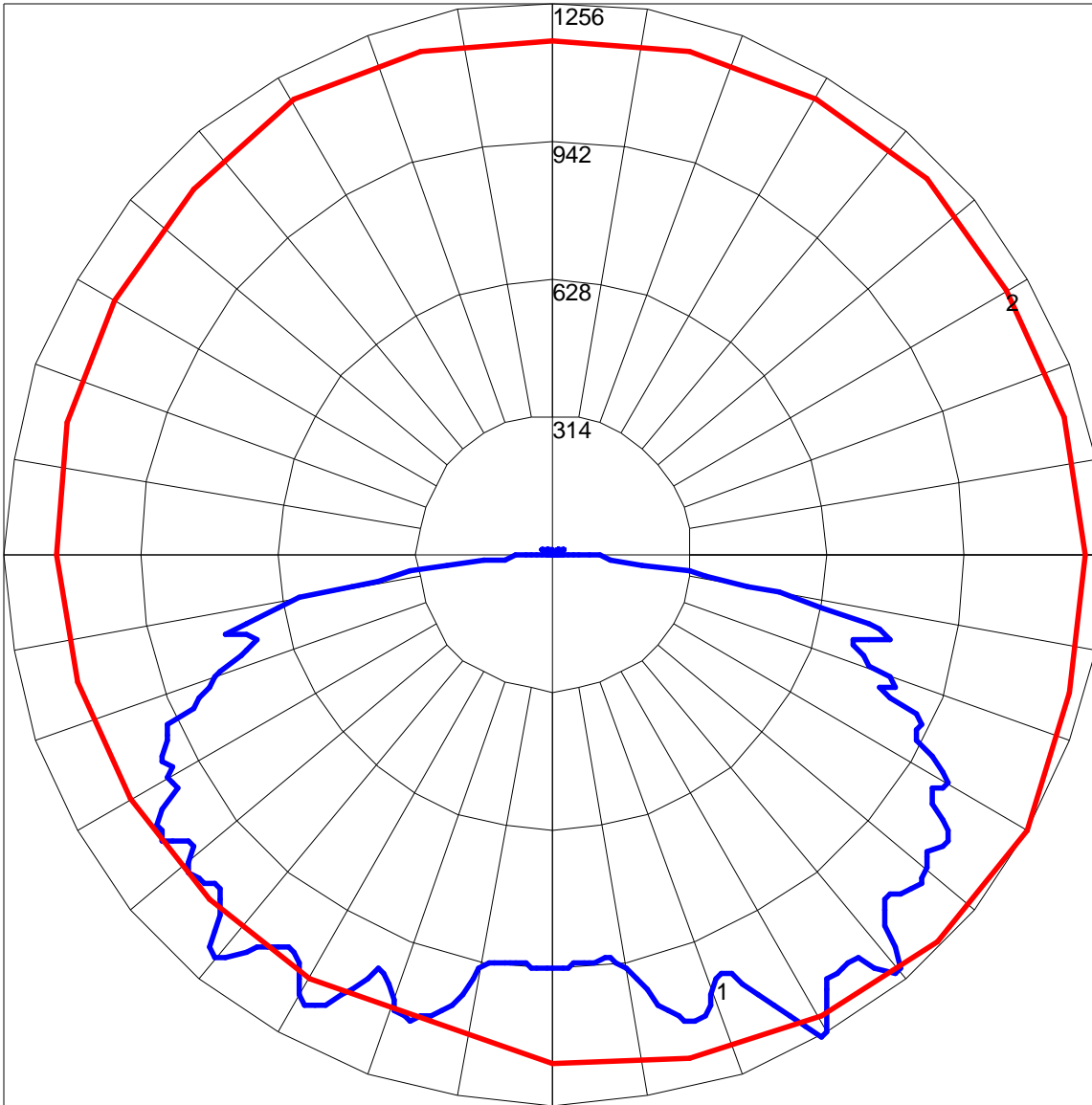
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYSA10LED40DMVBZ40-NVLAP-IES.IES**

**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	71	66	74	69	64	71	67	63	60
3	84	72	62	54	81	70	61	54	67	59	53	64	57	52	61	55	50	48
4	76	62	52	44	74	61	51	44	58	50	43	55	48	42	53	47	42	39
5	69	55	44	37	67	53	44	37	51	43	36	49	41	36	47	40	35	33
6	64	49	39	31	61	48	38	31	46	37	31	44	36	30	42	35	30	28
7	59	44	34	27	57	43	33	27	41	33	27	39	32	26	38	31	26	24
8	54	39	30	24	53	39	30	24	37	29	23	36	28	23	35	28	23	21
9	51	36	27	21	49	35	27	21	34	26	21	33	26	20	32	25	20	18
10	47	33	24	19	46	32	24	19	31	24	18	30	23	18	29	23	18	16

POLAR GRAPH



Maximum Candela = 1255.92 Located At Horizontal Angle = 330, Vertical Angle = 30  
# 1 - Vertical Plane Through Horizontal Angles (330 - 150) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)