



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPL30WT30120V_TYPE V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] BEGHELLI

[TESTDATE] 2017-10-09

[ISSUEDATE] 2017-10-09

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER]

[MANUFAC] BEGHELLI

[LUMINAIRE] MPL30WT30120V_TYPE V

[LAMP] LED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3423
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	29.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	1313.62	1313.62	1313.62	1313.62	1313.62	1313.62	1313.62	1313.62	1313.62	1313.62
1	1312.00	1314.83	1312.97	1313.38	1312.52	1315.20	1312.78	1314.26	1315.45	1310.52
2	1310.81	1315.86	1312.00	1314.02	1313.80	1316.77	1311.53	1313.96	1314.45	1309.75
3	1310.90	1314.10	1312.08	1310.81	1313.31	1315.24	1310.13	1310.23	1313.13	1309.44
4	1311.20	1313.40	1311.93	1308.86	1311.24	1313.27	1309.78	1306.30	1312.28	1308.78
5	1307.89	1311.55	1310.82	1307.25	1308.99	1313.06	1308.88	1308.09	1312.73	1306.84
6	1305.20	1308.98	1309.74	1305.11	1305.65	1310.50	1304.33	1308.46	1312.08	1301.28
7	1302.15	1305.60	1305.98	1301.92	1303.86	1307.75	1299.89	1305.76	1308.45	1300.16
8	1299.56	1302.61	1303.55	1299.20	1300.53	1307.77	1297.04	1300.82	1305.81	1298.05
9	1294.47	1300.06	1301.96	1296.62	1296.81	1304.03	1295.45	1295.91	1300.88	1293.91
10	1289.78	1292.97	1299.95	1294.50	1294.07	1300.03	1293.20	1291.82	1298.38	1288.95
11	1285.26	1290.22	1296.78	1291.89	1290.94	1295.83	1289.19	1288.51	1293.24	1284.77
12	1281.79	1284.25	1292.87	1288.39	1284.22	1292.16	1284.03	1282.93	1285.39	1279.40
13	1274.25	1281.87	1287.39	1284.47	1276.42	1285.73	1280.71	1278.67	1279.14	1274.29
14	1268.32	1277.24	1281.92	1280.18	1271.75	1281.98	1276.17	1272.67	1274.04	1269.21
15	1261.97	1272.08	1277.32	1273.96	1266.11	1276.72	1270.96	1267.48	1271.49	1264.54
16	1256.74	1265.10	1271.73	1267.43	1258.60	1269.50	1264.71	1260.71	1264.03	1257.45
17	1251.71	1258.38	1268.00	1261.51	1252.15	1261.84	1256.76	1253.61	1256.57	1251.58
18	1244.90	1252.44	1262.66	1256.01	1246.85	1254.22	1250.56	1245.95	1251.95	1245.29
19	1238.51	1244.71	1256.34	1248.62	1242.34	1246.09	1244.33	1236.00	1245.15	1240.88
20	1231.36	1236.34	1248.50	1239.99	1236.83	1240.97	1236.93	1232.08	1238.45	1232.83
21	1223.14	1228.31	1240.78	1233.23	1231.05	1233.23	1227.84	1224.24	1231.23	1224.39
22	1214.20	1221.00	1232.92	1225.18	1222.83	1226.10	1217.96	1215.45	1223.36	1214.68
23	1205.29	1211.14	1223.05	1216.52	1213.60	1216.56	1208.88	1206.68	1215.09	1205.84
24	1193.11	1202.61	1214.90	1207.72	1205.08	1207.70	1202.53	1198.49	1204.92	1197.94
25	1184.99	1193.87	1206.20	1199.15	1197.10	1197.60	1195.66	1187.69	1197.26	1187.92
26	1176.77	1186.05	1196.09	1191.08	1188.03	1188.81	1186.77	1180.26	1188.74	1176.95
27	1166.41	1175.89	1185.58	1181.85	1178.02	1177.70	1176.21	1170.10	1179.76	1166.19
28	1154.16	1165.51	1173.23	1170.02	1167.72	1167.70	1166.71	1160.67	1169.00	1155.77
29	1142.83	1154.86	1160.86	1157.80	1156.62	1159.01	1157.05	1150.61	1157.55	1144.23
30	1131.61	1144.69	1148.50	1144.46	1144.78	1148.53	1145.63	1139.23	1145.49	1132.44
31	1120.46	1132.68	1137.86	1135.23	1132.95	1134.94	1133.95	1127.86	1134.50	1120.34
32	1108.60	1120.07	1127.24	1120.60	1120.78	1122.31	1122.12	1114.42	1120.25	1107.43
33	1096.05	1107.59	1115.23	1108.76	1109.18	1107.30	1110.40	1102.48	1107.12	1095.69
34	1084.24	1095.47	1102.63	1096.80	1096.36	1093.28	1098.76	1090.25	1093.21	1082.97
35	1071.46	1081.10	1087.92	1084.61	1083.95	1078.94	1085.17	1075.26	1078.57	1069.93
36	1058.73	1067.14	1073.83	1072.22	1070.82	1065.21	1070.58	1060.07	1062.17	1054.39
37	1044.60	1049.20	1058.87	1057.19	1057.11	1050.21	1053.64	1044.60	1043.75	1039.02
38	1032.17	1033.67	1043.33	1041.61	1041.24	1035.10	1037.82	1028.35	1030.07	1025.01
39	1018.00	1018.94	1028.44	1024.19	1023.33	1020.75	1021.37	1011.95	1014.68	1009.06
40	1002.20	1000.85	1012.80	1007.62	1006.15	1004.34	1004.77	997.31	998.06	990.61
41	986.69	985.46	996.71	993.17	989.08	986.84	986.41	980.15	979.27	973.25
42	969.91	970.80	978.32	976.46	969.75	968.82	967.62	963.44	959.64	954.69
43	954.17	953.52	958.66	957.64	949.02	948.05	949.85	945.24	939.99	933.25
44	936.29	935.38	940.27	937.59	926.66	927.60	929.86	927.25	919.05	913.78
45	917.68	915.45	921.93	916.21	905.20	904.02	910.31	909.35	898.94	894.43
46	897.98	897.82	901.70	892.55	883.62	879.91	889.98	890.47	876.14	873.60
47	878.43	879.25	881.48	870.88	859.30	855.88	867.67	868.42	853.57	850.29
48	858.91	858.78	859.64	848.21	833.00	831.47	843.53	845.49	829.89	828.27
49	836.33	836.57	838.64	822.88	805.77	804.36	818.10	822.07	804.93	804.85
50	814.16	813.38	813.75	796.54	776.81	776.54	792.20	798.01	778.39	779.57
51	788.84	789.63	788.31	769.21	747.73	746.79	764.10	770.37	752.26	754.15
52	762.05	764.33	763.99	741.17	718.03	717.79	734.60	740.67	724.67	726.92
53	735.23	738.85	740.34	712.41	688.98	689.27	705.60	709.96	695.02	699.80

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CANDELA TABULATION - (Cont.)

54	707.26	713.08	712.54	684.14	658.89	658.38	675.20	679.19	666.28	670.86
55	678.08	685.78	683.43	653.16	627.40	625.98	644.42	649.07	637.77	641.32
56	648.17	658.34	654.43	620.03	595.35	593.55	611.96	617.51	609.87	611.02
57	617.44	628.43	625.24	589.71	563.22	561.17	579.09	583.46	582.00	579.79
58	585.53	597.30	594.89	556.54	530.02	528.27	545.86	550.33	554.35	548.79
59	553.46	566.50	563.30	523.53	496.77	495.12	510.13	517.93	524.97	518.43
60	523.38	534.67	531.82	491.06	464.43	462.73	473.61	484.32	496.31	488.00
61	495.58	502.62	497.50	457.38	431.68	430.51	438.35	450.99	465.13	456.28
62	468.43	473.39	463.22	425.08	399.57	398.97	404.18	418.46	433.26	424.88
63	441.59	443.89	429.04	393.76	368.13	368.10	369.98	386.95	400.92	393.25
64	415.35	415.39	394.22	362.29	338.46	339.17	337.19	354.66	367.97	361.92
65	388.37	386.47	361.45	331.17	309.43	311.37	305.78	323.87	334.44	330.82
66	361.33	357.61	328.66	302.05	282.11	284.56	276.13	292.88	300.22	299.32
67	334.63	328.95	297.35	274.37	256.63	258.27	248.38	262.42	267.74	267.90
68	306.61	299.38	268.21	248.23	231.81	232.80	221.12	231.93	235.59	235.49
69	277.77	271.30	240.44	223.38	209.44	209.25	194.83	201.81	205.57	205.06
70	248.17	243.01	213.86	199.91	188.22	186.72	169.14	174.13	177.07	175.62
71	219.04	215.00	188.53	177.45	168.19	165.84	145.43	148.38	150.62	148.20
72	189.91	187.39	164.58	156.76	149.46	144.93	123.11	124.21	125.76	122.92
73	162.49	160.53	141.63	137.30	131.06	125.41	102.71	103.71	102.96	100.78
74	135.39	135.07	119.74	118.96	114.21	106.79	85.63	85.90	82.39	81.54
75	110.30	111.61	99.91	101.73	98.48	89.57	71.79	70.30	64.65	65.01
76	87.53	90.22	82.55	84.99	84.34	74.67	60.20	57.14	50.23	51.62
77	67.28	70.66	67.68	70.28	71.35	61.68	49.02	45.66	39.32	40.69
78	50.83	54.05	54.46	57.48	58.97	48.62	39.17	36.21	30.39	32.12
79	36.38	40.94	42.57	44.99	47.49	37.69	31.30	28.12	24.77	25.20
80	26.25	28.97	32.80	34.96	37.90	28.89	25.29	22.22	20.90	20.44
81	20.83	21.61	25.48	26.81	29.62	22.96	20.68	17.97	17.64	17.05
82	16.87	17.20	19.65	20.47	23.23	18.91	15.96	14.91	14.93	14.25
83	13.98	13.84	14.05	16.09	18.73	15.61	11.50	12.03	12.09	11.60
84	11.24	11.09	9.86	12.69	15.37	12.47	8.46	9.21	8.96	8.93
85	8.61	8.66	7.18	9.80	12.44	9.50	6.24	5.96	4.95	5.54
86	5.32	5.51	5.28	6.91	8.79	6.30	3.89	2.44	1.73	2.22
87	3.18	2.91	2.82	3.31	4.22	2.63	0.99	0.20	0.00	0.00
88	1.62	1.16	0.91	1.22	0.80	0.50	0.00	0.00	0.00	0.00
89	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL30WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	1313.62	1313.62	1313.62	1313.62	1313.62	1313.62	1313.62
1	1312.48	1313.47	1313.17	1313.17	1311.30	1313.60	1312.00
2	1309.76	1312.48	1310.68	1311.91	1311.86	1314.25	1310.81
3	1310.59	1311.20	1309.16	1310.23	1311.18	1312.19	1310.90
4	1309.78	1309.41	1308.23	1307.38	1308.54	1312.12	1311.20
5	1307.70	1307.32	1307.61	1304.45	1307.19	1311.05	1307.89
6	1304.79	1303.61	1305.96	1301.90	1305.91	1307.12	1305.20
7	1302.42	1300.65	1303.82	1300.01	1303.35	1305.27	1302.15
8	1299.56	1297.42	1301.81	1297.94	1302.32	1303.95	1299.56
9	1295.46	1293.59	1297.48	1294.62	1298.79	1301.73	1294.47
10	1291.58	1290.44	1294.20	1291.39	1293.54	1297.83	1289.78
11	1286.23	1287.52	1289.85	1287.64	1290.50	1291.76	1285.26
12	1281.50	1282.75	1284.47	1283.99	1286.42	1285.79	1281.79
13	1276.62	1277.77	1279.28	1279.30	1281.93	1279.75	1274.25
14	1272.46	1273.64	1274.66	1274.21	1276.29	1275.98	1268.32
15	1264.34	1268.54	1268.51	1267.37	1270.93	1269.62	1261.97
16	1257.80	1261.45	1262.64	1263.17	1265.14	1265.42	1256.74
17	1251.13	1255.41	1256.05	1257.46	1258.19	1258.46	1251.71
18	1244.75	1249.71	1248.96	1252.47	1251.38	1253.41	1244.90
19	1238.15	1243.48	1238.36	1244.33	1244.41	1245.59	1238.51
20	1231.40	1235.00	1230.08	1233.93	1236.74	1235.61	1231.36
21	1223.44	1226.15	1222.47	1229.36	1227.49	1227.44	1223.14
22	1215.21	1217.30	1212.46	1220.43	1220.87	1221.97	1214.20
23	1209.33	1209.92	1204.29	1210.08	1212.48	1214.91	1205.29
24	1199.39	1198.77	1193.31	1200.64	1202.11	1207.38	1193.11
25	1190.36	1189.46	1184.24	1191.30	1192.21	1199.71	1184.99
26	1179.54	1179.14	1174.10	1181.64	1180.54	1189.97	1176.77
27	1168.05	1167.45	1162.84	1172.73	1169.75	1180.08	1166.41
28	1156.23	1155.37	1150.84	1160.29	1158.62	1168.06	1154.16
29	1143.18	1143.25	1136.59	1148.04	1147.35	1157.17	1142.83
30	1131.99	1131.52	1123.68	1135.06	1134.62	1144.95	1131.61
31	1121.69	1117.44	1110.40	1122.41	1123.60	1132.23	1120.46
32	1110.48	1103.79	1095.33	1111.12	1110.13	1119.09	1108.60
33	1097.64	1089.80	1080.31	1098.34	1096.27	1105.69	1096.05
34	1084.52	1076.81	1065.52	1083.18	1084.49	1091.43	1084.24
35	1070.51	1061.22	1048.84	1067.92	1070.27	1076.50	1071.46
36	1056.77	1045.65	1034.24	1053.49	1054.56	1062.29	1058.73

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL30WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

37	1042.89	1030.60	1019.63	1038.61	1039.06	1045.92	1044.60
38	1025.30	1016.75	1004.90	1022.37	1026.35	1029.95	1032.17
39	1008.23	999.44	988.41	1004.85	1011.39	1014.38	1018.00
40	989.58	983.45	971.45	989.11	995.61	996.44	1002.20
41	972.52	966.17	953.10	971.79	980.19	982.22	986.69
42	954.65	947.89	934.00	952.73	963.39	966.29	969.91
43	936.40	928.52	914.11	935.60	945.68	949.98	954.17
44	917.13	908.19	893.72	916.59	924.99	930.59	936.29
45	896.97	885.54	873.41	896.07	903.30	912.11	917.68
46	875.96	862.13	853.13	874.15	882.89	890.80	897.98
47	852.38	838.83	831.65	850.77	862.36	869.95	878.43
48	830.36	815.33	808.88	827.38	841.93	850.18	858.91
49	807.20	789.55	784.45	803.70	820.41	829.08	836.33
50	783.04	761.97	762.04	780.64	797.44	806.53	814.16
51	757.09	735.23	735.18	754.55	772.35	783.63	788.84
52	728.77	707.21	709.05	727.89	746.74	759.81	762.05
53	699.73	678.44	681.80	700.66	720.51	734.10	735.23
54	670.60	648.77	652.73	672.20	692.25	708.05	707.26
55	641.15	619.50	622.12	643.08	663.70	680.39	678.08
56	610.40	588.96	591.78	613.55	635.94	650.92	648.17
57	577.36	559.36	560.44	582.20	607.90	620.09	617.44
58	543.38	527.72	528.08	550.06	578.47	589.51	585.53
59	508.00	495.55	496.74	519.65	547.39	557.25	553.46
60	472.35	463.58	464.61	487.78	517.47	526.19	523.38
61	437.18	430.49	430.53	455.62	485.52	494.33	495.58
62	402.04	397.20	398.38	423.80	453.67	463.47	468.43
63	368.54	365.46	367.82	391.91	420.62	434.08	441.59
64	336.85	334.06	336.62	360.16	387.17	405.88	415.35
65	305.18	303.04	306.15	330.34	354.07	378.27	388.37
66	275.20	274.31	277.50	299.83	320.78	349.48	361.33
67	245.90	247.39	251.64	269.99	289.42	321.57	334.63
68	218.13	221.67	225.67	242.46	259.84	293.36	306.61
69	192.20	197.59	201.74	217.04	232.21	264.80	277.77
70	167.31	175.11	180.06	193.38	204.90	236.20	248.17
71	143.36	153.85	160.04	170.85	179.69	207.80	219.04
72	120.68	133.92	141.28	150.84	155.19	179.86	189.91
73	99.65	114.80	123.91	132.25	132.22	152.90	162.49
74	81.35	96.72	108.09	114.27	110.12	127.39	135.39
75	66.70	80.35	93.71	97.87	90.57	104.30	110.30
76	55.08	66.55	80.08	82.85	74.95	83.60	87.53
77	45.18	53.53	67.07	69.61	62.51	65.31	67.28
78	36.04	42.73	54.56	57.02	50.82	50.36	50.83
79	28.65	33.62	41.32	45.39	39.07	38.54	36.38
80	23.31	25.70	32.98	32.76	30.06	27.90	26.25
81	18.72	21.13	26.76	25.22	23.22	20.78	20.83
82	14.58	17.74	21.83	20.20	17.88	16.38	16.87
83	10.92	14.94	18.12	16.53	14.09	13.36	13.98
84	8.23	11.99	15.02	13.26	10.48	10.71	11.24
85	6.10	9.17	12.12	10.49	7.68	8.18	8.61
86	3.75	5.96	8.57	7.57	5.58	5.54	5.32
87	0.99	2.99	5.17	4.31	3.51	2.91	3.18
88	0.00	0.61	1.31	1.82	1.38	1.21	1.62
89	0.00	0.00	0.01	0.01	0.01	0.00	0.01
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL30WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL30WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

149	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL30WT30120V_TYPE V.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	482.96	N.A.	14.10
0-30	1033.07	N.A.	30.20
0-40	1704.86	N.A.	49.80
0-60	2977.28	N.A.	87.00
0-80	3412.66	N.A.	99.70
0-90	3423.14	N.A.	100.00
10-90	3298.7	N.A.	96.40
20-40	1221.89	N.A.	35.70
20-50	1916.83	N.A.	56.00
40-70	1605.99	N.A.	46.90
60-80	435.37	N.A.	12.70
70-80	101.81	N.A.	3.00
80-90	10.48	N.A.	0.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3423.14	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.44
10-20	358.52
20-30	550.11
30-40	671.79
40-50	694.94
50-60	577.49
60-70	333.56
70-80	101.81
80-90	10.48
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

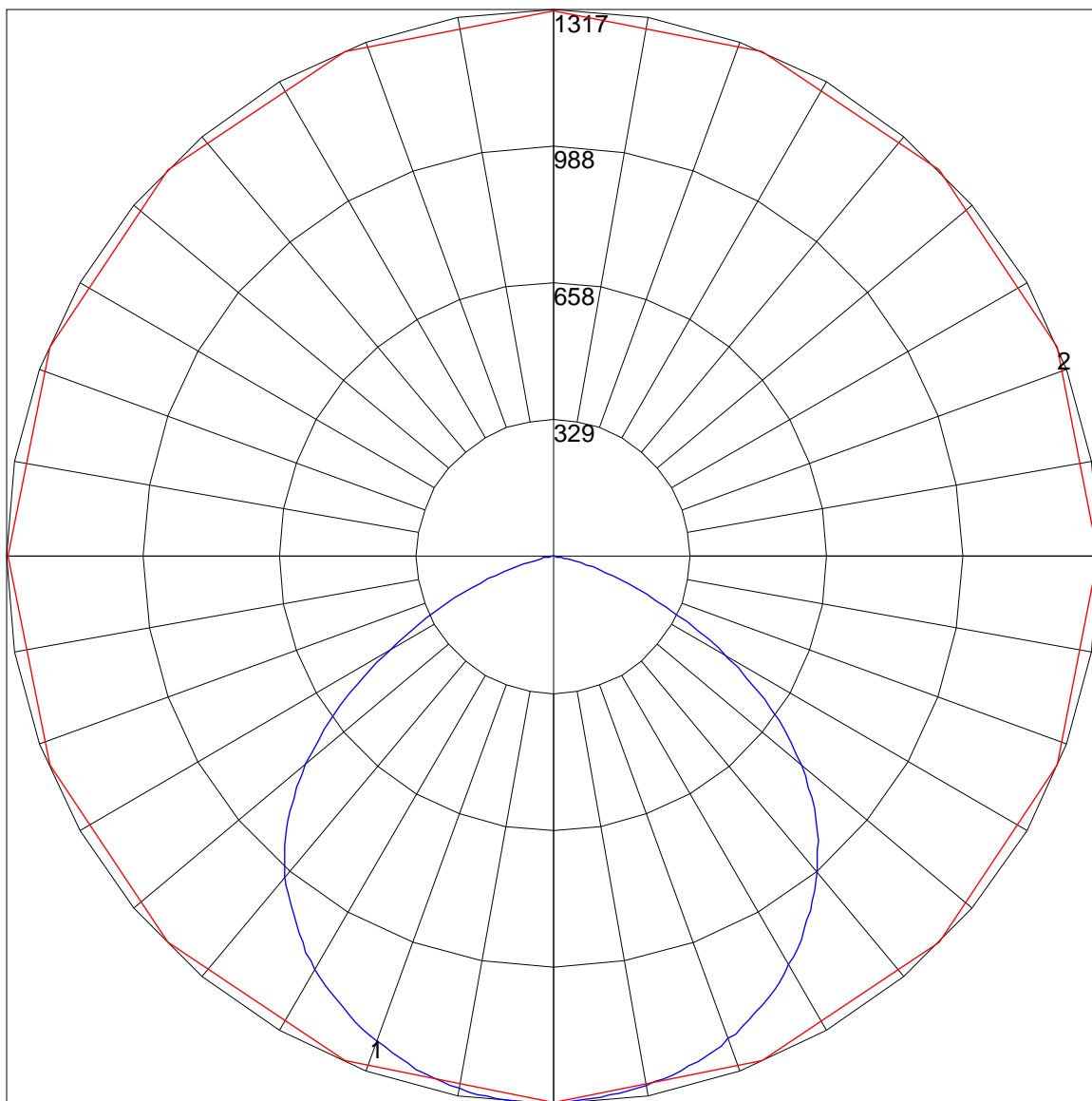
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL30WT30120V_TYPE V.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	94	92	92	90	89	87
2	101	94	88	82	99	92	86	81	88	84	80	85	81	78	82	79	76	74
3	93	83	75	69	90	81	74	69	78	72	68	76	71	66	73	69	65	63
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	31	42	36	31	30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

POLAR GRAPH



Maximum Candela = 1316.77 Located At Horizontal Angle = 112.5, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)