



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPL100WT40120V\_TYPE V.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]  
 [ISSUE DATE] 2017-12-26 17:23  
 [MANUFAC] BEGHELLI  
 [LUMCAT]  
 [LUMINAIRE] MPL100WT40120\_TYPE V  
 [LAMPCAT]  
 [LAMP] LED  
 [TESTLAB]  
 [TESTINST]  
 [TESTLAB] BEGHELLI

### CHARACTERISTICS

Lumens Per Lamp	11835.4 (1 lamp)
Total Lamp Lumens	11835.4
Luminaire Lumens	11833
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	99.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.48
Spacing Criterion (90-270)	2.16
Spacing Criterion (Diagonal)	2.56
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	1121.14	1121.14	1121.14	1121.14	1121.14	1121.14	1121.14	1121.14	1121.14	1121.14
1	1122.05	1109.97	1103.15	1088.43	1095.20	1097.35	1082.31	1102.29	1121.14	1110.93
2	1123.77	1109.97	1102.72	1087.58	1094.34	1096.17	1081.45	1101.21	1121.14	1112.22
3	1126.29	1112.01	1103.36	1087.36	1093.38	1095.31	1080.70	1101.43	1122.75	1114.85
4	1130.10	1114.37	1104.22	1087.58	1093.16	1095.20	1080.92	1102.61	1124.73	1118.29
5	1133.65	1117.38	1106.26	1089.29	1093.70	1095.74	1081.56	1104.22	1127.10	1121.62
6	1138.21	1120.49	1108.62	1090.90	1094.88	1096.81	1083.71	1106.58	1129.89	1126.24
7	1144.06	1125.59	1112.06	1093.70	1097.24	1098.96	1085.96	1109.81	1135.15	1131.50
8	1149.97	1131.50	1116.36	1096.60	1100.46	1102.18	1089.40	1113.57	1139.18	1137.62
9	1157.17	1137.14	1120.98	1100.57	1104.11	1105.30	1093.38	1117.54	1145.25	1143.85
10	1164.85	1144.12	1126.99	1105.19	1108.41	1110.13	1097.99	1122.48	1151.42	1152.07
11	1173.49	1150.94	1133.00	1110.56	1113.78	1114.85	1103.58	1127.74	1158.67	1161.19
12	1183.32	1158.99	1139.02	1116.04	1119.69	1120.44	1109.70	1134.83	1166.30	1170.54
13	1193.47	1168.39	1147.07	1123.12	1126.34	1127.20	1116.79	1141.81	1175.80	1180.47
14	1203.83	1178.16	1156.74	1130.53	1133.76	1134.94	1124.20	1150.51	1185.52	1191.26
15	1214.94	1188.79	1165.76	1137.73	1141.70	1142.88	1133.11	1158.99	1195.40	1202.49
16	1227.67	1199.53	1175.21	1146.21	1150.29	1152.33	1141.49	1168.87	1206.94	1215.86
17	1241.26	1210.76	1185.30	1155.45	1159.42	1161.78	1150.62	1179.08	1218.97	1228.80
18	1256.61	1222.68	1196.90	1165.44	1168.77	1172.20	1161.68	1190.78	1232.40	1243.03
19	1271.11	1235.83	1208.82	1176.18	1181.22	1184.34	1172.63	1202.27	1245.77	1258.71
20	1287.38	1251.94	1221.39	1189.17	1192.39	1196.58	1184.66	1214.94	1259.67	1275.03
21	1305.16	1267.19	1235.35	1200.98	1204.31	1209.47	1197.22	1228.05	1274.06	1292.05
22	1323.79	1283.84	1249.74	1214.09	1217.41	1222.46	1211.29	1241.90	1289.37	1310.85
23	1341.62	1301.29	1264.99	1227.19	1231.16	1236.64	1226.01	1255.97	1305.58	1334.53
24	1357.29	1319.76	1280.24	1242.33	1245.44	1251.24	1242.54	1270.15	1325.08	1345.32
25	1378.88	1340.06	1297.10	1257.26	1262.09	1267.89	1259.19	1286.04	1341.78	1367.12
26	1401.59	1356.11	1313.64	1271.86	1277.45	1284.11	1277.77	1302.36	1360.36	1390.64
27	1422.64	1377.54	1335.98	1289.80	1294.74	1302.47	1296.35	1320.51	1380.98	1412.28
28	1447.56	1399.93	1347.25	1309.56	1313.00	1322.12	1313.42	1335.98	1404.71	1435.96
29	1474.78	1420.76	1368.63	1332.54	1334.15	1336.94	1335.66	1354.23	1425.54	1460.39
30	1501.52	1444.77	1388.60	1343.17	1346.61	1358.74	1347.25	1376.14	1452.07	1486.06
31	1526.39	1469.41	1411.26	1365.83	1368.30	1382.48	1369.05	1395.26	1475.16	1512.21
32	1554.63	1496.21	1434.14	1385.59	1388.49	1403.74	1387.31	1415.23	1498.84	1541.96
33	1582.55	1521.66	1457.76	1408.04	1409.54	1425.65	1407.61	1436.39	1523.22	1568.11
34	1613.32	1547.27	1479.56	1429.09	1431.56	1447.77	1429.84	1458.51	1549.05	1595.01
35	1643.50	1575.57	1503.83	1452.50	1456.15	1468.07	1451.10	1481.50	1578.26	1622.93
36	1674.16	1603.07	1526.82	1475.37	1477.95	1490.62	1475.37	1505.55	1604.94	1651.34
37	1704.28	1632.81	1552.38	1498.68	1502.44	1514.04	1496.53	1528.75	1632.65	1683.77
38	1739.40	1661.17	1576.65	1518.87	1525.96	1535.41	1518.22	1551.19	1664.12	1717.06
39	1770.76	1694.30	1601.56	1542.07	1550.01	1558.71	1543.89	1575.25	1688.77	1748.53
40	1807.11	1725.55	1625.83	1564.73	1575.36	1581.91	1568.91	1603.49	1722.81	1780.05
41	1843.68	1758.20	1651.18	1591.25	1602.64	1606.39	1594.15	1629.38	1756.21	1813.13
42	1878.32	1792.24	1677.49	1616.49	1630.02	1627.77	1617.46	1658.16	1788.91	1849.75
43	1918.16	1825.26	1704.34	1642.16	1656.98	1653.54	1641.94	1685.11	1824.99	1882.50
44	1958.00	1858.13	1728.72	1666.43	1683.72	1678.13	1663.31	1713.57	1858.72	1915.85
45	1995.05	1896.79	1753.63	1693.92	1712.18	1703.26	1683.40	1742.36	1892.17	1949.73
46	2033.77	1930.19	1779.51	1722.06	1745.47	1730.33	1705.95	1771.14	1925.84	1989.09
47	2069.32	1970.08	1808.51	1750.09	1775.43	1756.96	1729.79	1807.44	1963.16	2025.98
48	2109.37	2010.46	1834.18	1781.66	1806.15	1783.59	1753.42	1837.61	2004.50	2062.93
49	2151.20	2048.96	1861.88	1811.52	1840.62	1812.16	1775.00	1871.66	2042.09	2101.26
50	2194.37	2092.30	1890.13	1839.76	1872.41	1838.15	1800.88	1905.92	2080.48	2139.50
51	2241.31	2128.22	1914.29	1875.52	1905.81	1867.25	1829.88	1938.35	2119.41	2177.08
52	2288.34	2170.16	1944.36	1907.53	1940.60	1897.54	1856.08	1974.33	2165.54	2219.56
53	2334.85	2213.44	1978.51	1943.50	1978.08	1930.08	1881.75	2010.09	2209.68	2259.03



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**CANDELA TABULATION - (Cont.)**

54	2387.95	2254.52	2011.81	1981.63	2012.99	1964.12	1910.21	2044.13	2250.33	2294.57
55	2441.65	2292.05	2044.02	2019.11	2052.62	1999.03	1939.21	2082.26	2292.86	2337.85
56	2493.63	2339.84	2074.85	2060.35	2094.07	2038.87	1971.10	2121.67	2343.17	2378.93
57	2544.26	2388.86	2115.12	2107.39	2135.63	2077.75	2005.36	2160.87	2391.66	2421.35
58	2597.96	2438.59	2156.79	2153.57	2175.47	2118.77	2039.51	2203.83	2445.73	2464.74
59	2655.74	2489.55	2199.10	2200.28	2221.65	2166.67	2074.52	2248.07	2507.75	2512.42
60	2713.25	2542.60	2246.25	2255.91	2266.97	2212.74	2117.48	2290.17	2564.94	2567.68
61	2773.28	2603.12	2292.00	2311.97	2314.33	2267.08	2161.73	2333.66	2624.16	2617.45
62	2833.96	2661.59	2348.27	2369.64	2360.73	2321.53	2204.15	2387.79	2679.53	2672.55
63	2890.02	2724.85	2406.37	2431.82	2409.48	2382.85	2255.05	2446.75	2741.49	2730.22
64	2951.88	2794.71	2468.44	2499.05	2458.89	2448.90	2309.72	2503.45	2805.18	2789.98
65	3013.57	2860.70	2535.14	2570.68	2508.39	2519.35	2372.97	2564.78	2866.34	2861.34
66	3063.73	2928.25	2607.52	2645.21	2557.69	2601.29	2439.34	2629.64	2924.22	2926.69
67	3096.97	2995.16	2684.63	2731.02	2598.82	2678.51	2504.10	2692.79	2977.60	2988.87
68	3124.94	3062.60	2771.83	2812.00	2635.76	2767.43	2581.96	2754.97	3017.01	3063.73
69	3120.70	3128.32	2871.71	2896.19	2658.64	2842.71	2670.02	2828.00	3033.28	3129.24
70	3032.10	3176.22	2978.46	2967.18	2663.15	2923.04	2773.44	2891.47	2991.07	3182.67
71	2892.43	3204.31	3090.04	3021.84	2628.35	2990.91	2874.71	2940.44	2894.21	3218.75
72	2698.27	3197.43	3204.84	3045.15	2532.99	3036.45	2981.25	2968.58	2741.76	3230.83
73	2427.90	3151.36	3318.46	3028.72	2403.69	3047.40	3093.80	2961.38	2517.09	3206.08
74	2133.86	3056.37	3428.44	2963.74	2209.09	3019.27	3207.53	2903.50	2204.52	3134.18
75	1782.31	2897.43	3536.04	2850.23	1982.81	2941.94	3315.99	2789.66	1870.96	2995.59
76	1450.41	2640.76	3615.30	2665.19	1704.87	2810.17	3421.24	2593.88	1548.83	2794.54
77	1165.87	2358.58	3650.53	2445.78	1451.43	2621.16	3493.52	2344.73	1248.93	2525.42
78	934.59	2051.06	3635.38	2193.73	1213.01	2395.95	3530.35	2041.02	993.02	2176.23
79	718.25	1755.51	3564.50	1935.66	1011.33	2141.32	3511.67	1709.71	771.41	1850.02
80	561.35	1424.74	3357.66	1635.28	802.55	1868.22	3415.87	1422.43	609.51	1535.73
81	424.37	1150.45	3013.36	1371.31	638.67	1562.04	3144.70	1134.29	476.18	1224.56
82	322.61	896.63	2499.80	1093.59	493.58	1283.78	2696.44	897.38	367.77	1004.94
83	246.90	688.88	1910.00	889.22	380.39	1051.92	2178.91	712.66	272.62	783.22
84	182.19	544.81	1436.39	729.42	288.35	867.42	1683.29	568.65	200.61	616.28
85	128.98	411.80	995.00	581.86	215.11	693.12	1192.61	437.52	147.08	481.45
86	90.91	306.72	674.11	453.63	161.09	542.98	792.24	330.24	101.76	346.67
87	58.42	198.20	380.71	328.62	105.14	407.13	504.43	237.88	64.01	233.15
88	31.31	100.84	151.00	195.24	62.29	252.91	247.65	144.23	36.41	132.74
89	18.36	31.79	42.53	63.47	25.34	88.81	74.21	64.44	21.16	56.65
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 : MPL100WT40120V\_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	1121.14	1121.14	1121.14	1121.14	1121.14	1121.14	1121.14
1	1106.26	1093.16	1101.11	1102.72	1087.58	1105.40	1122.05
2	1109.05	1096.60	1104.76	1106.80	1091.44	1108.30	1123.77
3	1112.71	1100.46	1109.70	1111.63	1095.74	1112.06	1126.29
4	1116.89	1105.08	1115.50	1116.25	1100.68	1116.25	1130.10
5	1121.51	1110.99	1121.08	1122.48	1106.48	1121.30	1133.65
6	1126.77	1117.22	1128.60	1129.78	1113.14	1127.96	1138.21
7	1133.65	1124.63	1136.23	1137.84	1120.33	1134.72	1144.06
8	1140.41	1132.36	1144.92	1146.86	1128.81	1141.81	1149.97
9	1149.00	1140.74	1154.05	1155.99	1137.84	1150.08	1157.17
10	1157.81	1150.62	1164.25	1166.40	1147.39	1159.31	1164.85
11	1167.15	1162.21	1176.50	1178.43	1158.67	1169.30	1173.49
12	1177.46	1173.28	1187.99	1191.00	1171.34	1181.22	1183.32
13	1188.53	1185.73	1200.77	1203.67	1183.91	1192.50	1193.47
14	1200.88	1198.73	1214.62	1217.84	1197.76	1205.17	1203.83
15	1214.73	1212.47	1229.12	1233.09	1212.26	1217.84	1214.94
16	1228.37	1229.44	1245.44	1249.74	1227.29	1231.91	1227.67
17	1242.97	1245.55	1264.13	1269.18	1245.55	1247.27	1241.26
18	1258.65	1262.84	1282.28	1288.19	1262.84	1265.42	1256.61
19	1276.70	1280.88	1301.07	1308.16	1281.31	1282.71	1271.11
20	1294.85	1299.68	1322.02	1332.00	1301.50	1300.75	1287.38
21	1313.64	1320.19	1336.84	1346.39	1324.38	1321.05	1305.16
22	1338.23	1337.05	1363.04	1371.52	1340.27	1335.87	1323.79
23	1352.41	1362.83	1390.00	1398.70	1367.98	1357.99	1341.62
24	1375.61	1386.24	1415.45	1424.15	1391.61	1381.62	1357.29
25	1400.41	1410.51	1441.55	1450.35	1416.09	1403.42	1378.88
26	1423.72	1438.86	1469.90	1478.27	1444.66	1426.72	1401.59
27	1448.74	1465.60	1503.08	1511.24	1470.43	1450.89	1422.64
28	1475.16	1494.81	1535.62	1541.85	1497.82	1478.38	1447.56
29	1502.33	1525.42	1568.70	1573.21	1526.82	1504.69	1474.78
30	1529.93	1555.92	1602.31	1605.86	1555.06	1532.83	1501.52
31	1560.75	1590.07	1636.46	1638.08	1585.13	1561.07	1526.39
32	1590.29	1622.29	1672.33	1672.87	1619.28	1591.36	1554.63
33	1619.82	1654.40	1712.71	1710.78	1651.50	1618.10	1582.55
34	1649.24	1688.87	1750.62	1746.97	1683.50	1650.21	1613.32
35	1678.99	1723.02	1788.32	1784.02	1715.29	1681.57	1643.50
36	1710.35	1761.47	1825.26	1820.43	1747.94	1712.93	1674.16



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPL100WT40120V\_TYPE V.IES**

**CANDELA TABULATION - (Cont.)**

37	1739.78	1796.37	1866.93	1860.81	1787.03	1744.61	1704.28
38	1771.89	1832.35	1906.13	1896.79	1821.83	1779.84	1739.40
39	1804.54	1869.08	1946.19	1932.98	1855.55	1812.70	1770.76
40	1837.08	1903.77	1985.71	1968.63	1888.84	1847.17	1807.11
41	1869.72	1938.46	2027.70	2005.79	1923.42	1880.36	1843.68
42	1902.80	1976.15	2071.19	2045.21	1961.44	1914.51	1878.32
43	1931.26	2011.59	2109.53	2080.32	1995.80	1951.88	1918.16
44	1960.79	2047.25	2146.80	2118.77	2029.31	1988.61	1958.00
45	1995.59	2081.29	2183.53	2157.65	2064.43	2027.27	1995.05
46	2026.09	2120.38	2220.90	2195.56	2103.09	2067.11	2033.77
47	2054.87	2157.86	2260.42	2234.76	2138.75	2108.25	2069.32
48	2085.05	2193.73	2303.70	2277.50	2172.90	2153.78	2109.37
49	2117.70	2230.57	2341.83	2317.34	2208.01	2193.95	2151.20
50	2154.96	2272.34	2381.35	2358.37	2246.14	2234.00	2194.37
51	2190.94	2311.22	2421.19	2397.78	2284.37	2272.24	2241.31
52	2226.06	2350.85	2466.94	2443.85	2326.58	2317.77	2288.34
53	2264.29	2391.76	2509.36	2486.81	2365.02	2361.91	2334.85
54	2304.02	2431.07	2548.77	2529.44	2406.58	2405.73	2387.95
55	2340.11	2476.71	2586.90	2574.33	2457.70	2450.19	2441.65
56	2376.94	2518.17	2625.24	2624.81	2501.31	2498.73	2493.63
57	2418.08	2564.24	2662.07	2673.03	2549.42	2546.41	2544.26
58	2462.11	2611.28	2697.94	2722.75	2599.68	2593.66	2597.96
59	2512.15	2660.03	2733.60	2777.74	2650.58	2642.53	2655.74
60	2565.85	2714.59	2765.49	2831.65	2702.13	2692.57	2713.25
61	2618.04	2764.21	2797.82	2893.29	2769.36	2750.78	2773.28
62	2676.57	2814.14	2827.46	2950.00	2832.62	2807.81	2833.96
63	2736.71	2864.19	2857.32	3010.89	2897.05	2869.67	2890.02
64	2798.03	2918.42	2882.55	3068.88	2968.36	2928.63	2951.88
65	2865.37	2968.25	2900.17	3129.45	3051.70	2988.23	3013.57
66	2939.04	3012.61	2906.07	3184.76	3125.59	3056.21	3063.73
67	3016.15	3052.77	2895.44	3227.39	3206.56	3110.12	3096.97
68	3102.28	3083.49	2866.23	3266.59	3298.70	3158.13	3124.94
69	3184.12	3097.77	2815.43	3289.15	3387.09	3193.03	3120.70
70	3266.38	3094.01	2732.20	3285.07	3478.70	3206.78	3032.10
71	3352.72	3064.16	2605.05	3251.88	3567.73	3191.74	2892.43
72	3442.72	3003.48	2427.63	3186.37	3644.40	3137.18	2698.27
73	3519.72	2891.36	2201.68	3083.70	3714.00	3030.97	2427.90
74	3583.83	2750.78	1922.99	2924.01	3758.89	2854.63	2133.86
75	3629.48	2559.51	1647.10	2724.58	3773.38	2627.06	1782.31
76	3647.52	2333.88	1383.23	2491.32	3754.70	2355.36	1450.41
77	3626.25	2044.88	1135.80	2218.86	3684.68	2048.21	1165.87
78	3559.03	1768.02	914.46	1930.08	3540.34	1734.41	934.59
79	3432.95	1495.35	712.45	1619.82	3349.39	1405.46	718.25
80	3192.92	1239.54	563.39	1348.65	3042.36	1139.98	561.35
81	2808.88	986.09	441.60	1103.47	2535.14	907.26	424.37
82	2320.03	791.92	344.73	888.58	2061.21	714.60	322.61
83	1810.44	633.41	263.22	698.38	1512.75	549.86	246.90
84	1334.04	502.71	205.66	555.65	1082.21	427.10	182.19
85	911.13	402.30	160.98	444.29	750.47	326.26	128.98
86	615.47	309.94	120.17	343.12	473.71	236.27	90.91
87	379.21	222.30	79.47	226.17	266.98	144.34	58.42
88	165.82	143.05	51.44	133.06	114.16	69.91	31.31
89	48.00	70.77	26.74	44.78	33.83	21.16	18.36
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 : MPL100WT40120V\_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 : MPL100WT40120V\_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 : MPL100WT40120V\_TYPE V.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	446.47	3.80	3.80
0-30	1075.72	9.10	9.10
0-40	2086.13	17.60	17.60
0-60	5619.46	47.50	47.50
0-80	11141.68	94.10	94.20
0-90	11833.17	100.00	100.00
10-90	11726.21	99.10	99.10
20-40	1639.66	13.90	13.90
20-50	3123.42	26.40	26.40
40-70	6299.88	53.20	53.20
60-80	5522.22	46.70	46.70
70-80	2755.67	23.30	23.30
80-90	691.48	5.80	5.80
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	11833.17	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	106.96
10-20	339.51
20-30	629.26
30-40	1010.41
40-50	1483.76
50-60	2049.58
60-70	2766.55
70-80	2755.67
80-90	691.49
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 : MPL100WT40120V\_TYPE V.IES**

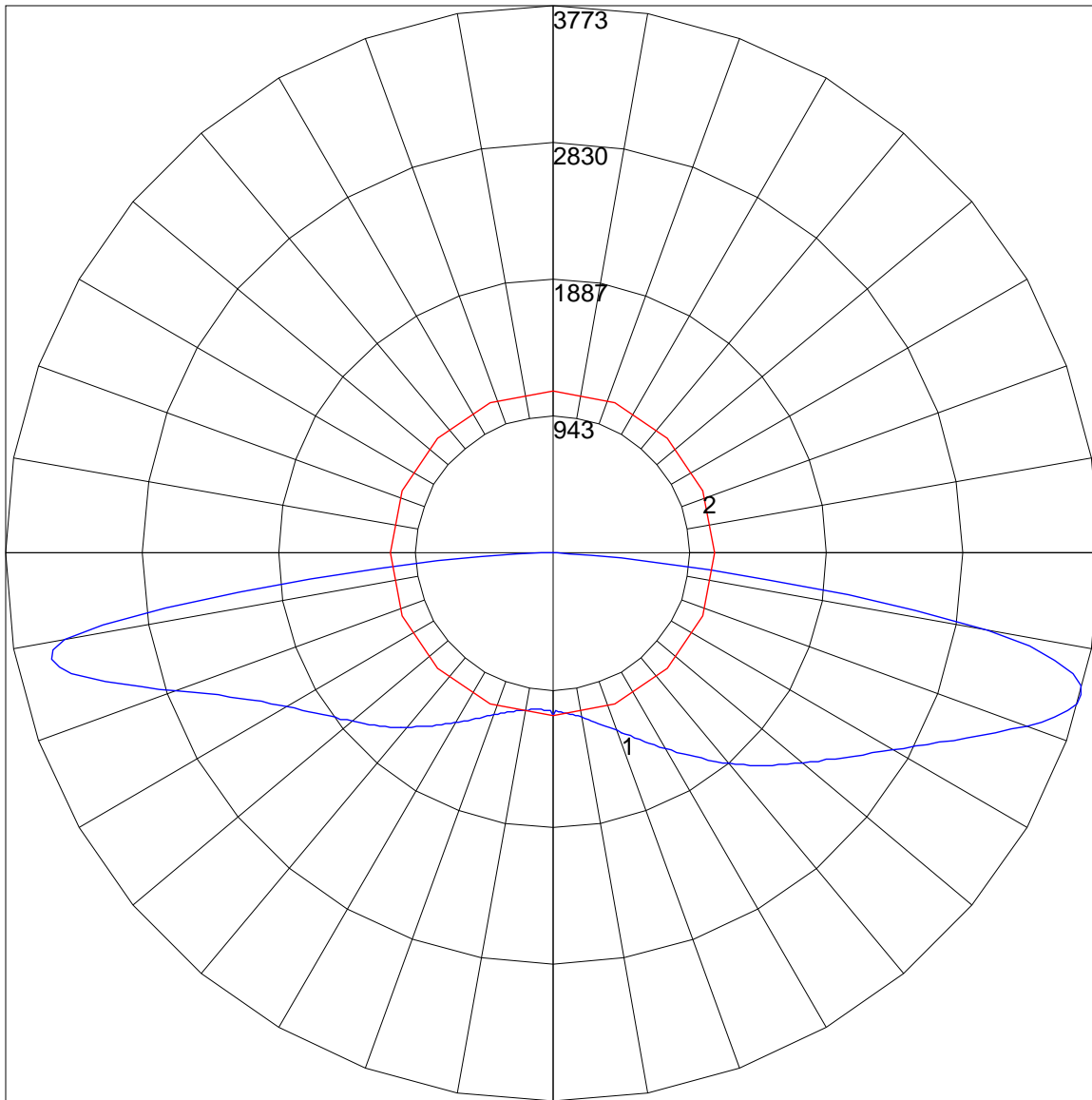
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	103	96	89	83	100	93	87	82	89	84	79	84	80	77	81	77	74	72
2	89	77	68	59	86	75	66	59	72	64	57	68	61	56	65	59	54	52
3	79	64	53	44	76	63	52	44	59	50	43	56	48	42	53	47	41	38
4	70	55	43	34	68	53	42	34	50	41	33	48	39	33	45	38	32	29
5	64	47	36	27	61	46	35	27	44	34	27	41	33	26	39	32	26	23
6	58	41	30	23	56	40	30	22	38	29	22	37	28	22	35	27	21	19
7	53	37	26	19	51	36	26	19	34	25	19	33	24	18	31	24	18	16
8	49	33	23	16	47	32	23	16	31	22	16	30	22	16	28	21	16	13
9	46	30	21	14	44	29	20	14	28	20	14	27	19	14	26	19	14	11
10	43	27	18	12	41	27	18	12	26	18	12	25	17	12	24	17	12	10



POLAR GRAPH



Maximum Candela = 3773.38 Located At Horizontal Angle = 315, Vertical Angle = 75  
# 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)