



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPL80WT40120V_TYPE V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST]

[ISSUEDATE] 2017-12-26 10:39

[LUMCAT]

[LUMINAIRE] MPL80WT40120_TYPE V

[LAMPCAT]

[LAMP] LED

[TESTLAB] BEGHELLI

[TESTINST]

[MANUFAC] BEGHELLI

CHARACTERISTICS

Lumens Per Lamp	9817.7 (1 lamp)
Total Lamp Lumens	9817.7
Luminaire Lumens	9816
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	80.45
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.44
Spacing Criterion (90-270)	2.16
Spacing Criterion (Diagonal)	2.54
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	942.00	942.00	942.00	942.00	942.00	942.00	942.00	942.00	942.00	942.00
1	942.59	937.44	930.62	919.02	927.67	927.40	912.09	928.85	942.00	938.14
2	944.21	938.19	930.46	918.05	926.54	926.11	910.86	928.26	942.54	939.48
3	945.66	939.00	931.00	918.43	926.43	925.79	910.70	928.26	943.72	941.09
4	949.04	941.14	931.85	917.84	926.16	925.79	910.81	928.36	945.01	944.21
5	951.45	943.56	933.25	918.16	927.08	926.16	912.09	930.57	947.43	946.89
6	955.54	946.57	935.88	919.61	928.63	927.51	913.11	931.85	949.95	950.43
7	960.10	949.95	938.89	921.81	930.57	928.74	915.75	934.38	953.87	955.64
8	965.09	955.00	941.90	924.66	932.82	931.53	918.22	937.22	957.74	960.64
9	971.00	959.88	946.14	927.72	936.26	934.86	921.97	940.71	962.57	966.06
10	977.50	965.25	950.60	931.59	939.96	938.30	926.16	944.80	968.48	972.56
11	985.93	971.27	955.96	935.88	944.26	942.54	930.78	949.68	974.60	979.48
12	993.98	977.77	961.66	940.39	949.31	946.89	935.51	955.48	981.36	987.32
13	1002.79	984.69	968.21	946.25	954.09	953.01	942.27	961.55	988.67	995.54
14	1012.35	993.28	974.92	952.37	960.48	958.65	948.07	967.83	996.56	1004.13
15	1022.92	1002.25	981.85	958.86	967.51	965.20	954.68	975.24	1003.97	1014.49
16	1033.66	1011.86	989.90	966.27	974.33	972.50	962.03	983.08	1012.78	1024.48
17	1045.05	1021.37	997.74	973.47	981.85	980.77	970.25	991.83	1022.12	1034.79
18	1056.65	1031.03	1007.51	981.47	989.85	989.10	978.36	1001.71	1031.84	1045.75
19	1068.62	1042.15	1015.89	989.63	998.49	998.17	987.43	1010.90	1043.44	1059.87
20	1081.83	1053.10	1026.20	999.57	1007.57	1008.27	998.22	1020.67	1054.39	1072.33
21	1095.36	1065.88	1037.37	1010.14	1017.66	1019.54	1008.80	1030.93	1066.63	1085.75
22	1109.65	1079.09	1048.91	1020.56	1027.60	1029.85	1019.65	1041.34	1080.70	1100.84
23	1125.59	1093.32	1061.64	1032.48	1039.09	1040.86	1031.84	1053.69	1093.80	1116.79
24	1140.41	1108.03	1075.44	1044.62	1050.85	1054.66	1045.42	1065.45	1109.11	1131.61
25	1156.74	1123.23	1089.29	1056.70	1063.09	1067.98	1058.74	1079.52	1123.71	1150.94
26	1174.35	1140.84	1105.40	1069.53	1077.10	1080.49	1071.79	1092.19	1139.50	1168.17
27	1193.04	1158.08	1119.42	1083.12	1090.05	1094.50	1085.70	1106.26	1155.66	1186.16
28	1212.05	1176.23	1134.99	1098.26	1103.74	1110.18	1100.95	1121.73	1172.74	1205.28
29	1229.55	1194.27	1152.71	1113.30	1118.24	1125.59	1117.43	1137.73	1189.98	1225.36
30	1250.71	1213.76	1169.19	1128.81	1132.25	1142.94	1132.09	1154.80	1210.54	1244.91
31	1273.53	1233.79	1185.95	1144.82	1149.43	1160.60	1147.23	1170.00	1229.87	1266.60
32	1297.75	1255.81	1202.76	1161.09	1165.49	1177.36	1164.63	1186.43	1250.22	1288.89
33	1322.77	1277.02	1220.91	1179.88	1184.71	1196.10	1181.28	1203.72	1269.98	1311.49
34	1342.15	1299.79	1240.50	1197.06	1202.43	1212.31	1198.46	1221.23	1290.44	1339.84
35	1367.77	1323.47	1257.85	1214.89	1220.96	1231.70	1217.04	1240.18	1313.85	1355.47
36	1393.00	1340.17	1279.06	1234.06	1239.86	1251.51	1234.06	1257.96	1341.72	1381.51
37	1419.48	1368.52	1297.96	1251.03	1259.62	1268.91	1252.00	1275.35	1358.15	1404.87
38	1446.06	1395.31	1318.53	1270.36	1279.97	1287.81	1271.17	1295.11	1384.41	1428.07
39	1476.93	1420.01	1338.61	1288.78	1301.24	1306.44	1289.37	1317.45	1408.15	1452.66
40	1505.01	1445.79	1357.51	1307.14	1323.14	1327.06	1309.93	1336.78	1434.67	1478.92
41	1534.71	1470.92	1378.45	1331.63	1337.53	1339.04	1331.31	1357.51	1459.37	1507.81
42	1564.83	1499.22	1400.52	1345.11	1362.34	1362.72	1342.90	1380.71	1483.59	1535.03
43	1593.29	1530.74	1422.81	1366.05	1386.45	1382.64	1363.85	1404.92	1510.55	1562.52
44	1626.26	1559.20	1443.16	1388.82	1410.88	1403.04	1382.26	1425.28	1542.28	1591.14
45	1659.29	1587.22	1463.45	1411.42	1434.08	1423.93	1398.96	1447.08	1570.26	1619.12
46	1689.79	1616.92	1484.18	1433.06	1459.75	1446.06	1418.83	1473.71	1598.66	1650.32
47	1724.04	1650.32	1505.98	1456.85	1483.43	1469.63	1438.59	1500.61	1628.30	1681.52
48	1755.78	1679.74	1526.98	1481.82	1508.56	1489.77	1456.31	1527.84	1656.39	1711.59
49	1790.47	1713.84	1548.40	1506.46	1534.17	1512.26	1475.64	1553.40	1688.07	1745.58
50	1823.87	1745.20	1572.14	1529.66	1558.98	1533.80	1495.35	1582.93	1719.43	1776.45
51	1860.27	1775.81	1597.80	1554.95	1586.15	1557.69	1517.15	1607.90	1751.64	1808.35
52	1897.43	1808.78	1624.33	1582.18	1614.77	1580.41	1541.21	1635.12	1783.86	1839.12
53	1938.08	1844.59	1648.01	1609.56	1642.21	1608.11	1564.30	1663.53	1817.48	1872.73

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CANDELA TABULATION - (Cont.)

54	1978.78	1879.87	1674.80	1639.58	1673.25	1636.52	1581.59	1689.52	1856.08	1908.39
55	2020.29	1916.12	1701.33	1671.05	1708.36	1665.30	1605.91	1719.80	1894.64	1941.25
56	2062.93	1956.82	1732.05	1703.53	1741.76	1697.95	1633.62	1751.75	1932.55	1974.70
57	2108.51	1995.32	1763.78	1738.44	1778.44	1730.92	1659.72	1783.11	1974.65	2011.00
58	2156.79	2037.10	1794.39	1777.79	1815.06	1763.51	1689.62	1813.34	2020.72	2047.57
59	2207.58	2080.91	1828.27	1815.60	1854.26	1802.87	1719.16	1848.94	2065.61	2088.32
60	2259.78	2125.11	1863.23	1861.08	1890.34	1842.34	1753.47	1885.19	2112.81	2128.65
61	2303.43	2174.29	1904.25	1906.45	1929.54	1886.85	1785.31	1923.26	2161.46	2173.16
62	2350.90	2226.70	1947.21	1955.32	1965.47	1931.58	1822.09	1968.15	2210.32	2225.25
63	2401.70	2279.16	1993.98	2012.34	2004.18	1982.11	1863.71	2014.81	2262.36	2273.69
64	2451.10	2329.05	2043.59	2071.57	2041.18	2036.61	1911.61	2063.78	2313.90	2323.19
65	2500.18	2386.99	2100.19	2134.83	2088.22	2096.11	1959.34	2117.59	2369.91	2376.78
66	2541.58	2441.11	2155.93	2191.74	2131.23	2161.46	2016.53	2171.12	2415.28	2430.80
67	2578.15	2495.08	2223.00	2259.51	2167.80	2223.37	2071.79	2220.31	2457.92	2485.57
68	2599.30	2554.73	2292.64	2333.18	2195.50	2292.48	2144.33	2277.18	2491.26	2541.85
69	2594.90	2603.49	2377.64	2401.86	2211.24	2357.34	2213.60	2335.11	2504.90	2593.07
70	2523.64	2640.22	2461.95	2466.40	2213.60	2421.24	2301.88	2391.44	2464.85	2628.78
71	2406.05	2655.25	2559.03	2518.38	2184.87	2473.71	2390.64	2436.23	2371.95	2654.77
72	2243.88	2642.31	2653.27	2543.30	2097.34	2501.09	2485.14	2461.25	2240.02	2656.01
73	2027.59	2589.10	2753.25	2534.54	1984.53	2499.59	2585.82	2459.69	2044.99	2616.81
74	1783.70	2490.14	2841.37	2487.51	1831.87	2463.99	2675.82	2416.73	1806.20	2535.46
75	1486.44	2333.88	2918.05	2399.01	1619.82	2381.72	2774.89	2332.32	1533.26	2399.39
76	1231.86	2123.23	2983.13	2266.92	1413.25	2261.71	2860.32	2180.68	1241.26	2211.99
77	971.86	1873.64	3012.50	2091.71	1204.85	2087.79	2917.24	1980.55	999.30	1942.91
78	782.36	1612.68	2999.93	1888.09	1006.92	1883.52	2942.64	1736.13	795.25	1671.85
79	603.82	1327.87	2940.98	1657.78	819.25	1671.64	2922.07	1494.65	632.39	1405.14
80	473.07	1080.60	2775.43	1432.26	666.59	1425.33	2822.31	1227.35	489.39	1133.33
81	359.07	860.49	2495.35	1186.54	520.05	1198.46	2604.62	1006.12	383.40	916.98
82	273.69	670.08	2070.39	970.36	402.51	983.94	2224.66	800.94	297.21	733.77
83	210.65	522.04	1577.94	791.55	311.60	799.12	1756.64	624.55	227.62	584.11
84	157.82	414.81	1185.09	638.72	236.37	648.44	1351.82	498.58	168.50	458.09
85	112.44	313.75	818.55	511.84	173.98	514.58	955.11	384.85	119.91	348.76
86	80.49	234.55	548.30	365.94	119.48	384.09	662.57	297.53	83.34	259.95
87	51.50	155.72	287.98	236.37	77.38	249.48	373.19	204.80	55.04	176.07
88	28.19	83.07	110.56	125.60	45.16	136.98	168.02	122.91	31.47	100.14
89	15.89	28.08	30.50	37.32	17.72	43.33	51.12	53.00	16.86	39.20
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 : MPL80WT40120V_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	942.00	942.00	942.00	942.00	942.00	942.00	942.00
1	933.36	922.89	931.53	932.12	916.12	932.07	942.59
2	935.02	925.63	934.97	935.40	918.48	934.38	944.21
3	937.76	929.06	938.51	939.37	922.08	937.87	945.66
4	940.66	933.04	943.08	943.56	925.95	941.04	949.04
5	944.80	937.76	947.21	948.82	931.26	945.87	951.45
6	949.57	942.76	952.74	955.00	936.15	950.65	955.54
7	954.84	948.39	959.40	961.07	942.49	955.91	960.10
8	960.10	954.62	966.38	968.42	949.09	962.03	965.09
9	966.60	961.50	973.90	975.89	956.50	968.64	971.00
10	974.01	970.09	982.49	986.30	965.36	976.26	977.50
11	982.38	978.84	991.73	995.16	974.81	984.85	985.93
12	991.24	987.59	1001.39	1005.31	983.89	994.68	993.98
13	1000.16	997.26	1011.59	1015.94	994.63	1004.18	1002.79
14	1009.88	1007.73	1023.03	1027.11	1006.33	1014.76	1012.35
15	1020.62	1019.00	1036.56	1039.30	1018.31	1025.50	1022.92
16	1032.48	1032.48	1050.04	1054.23	1032.38	1037.32	1033.66
17	1045.91	1044.62	1063.41	1068.78	1047.03	1049.88	1045.05
18	1058.79	1058.04	1077.75	1083.60	1060.89	1063.79	1056.65
19	1072.76	1072.59	1094.88	1099.50	1077.21	1076.94	1068.62
20	1087.04	1088.81	1111.69	1117.38	1092.89	1091.39	1081.83
21	1102.24	1104.65	1129.62	1135.10	1109.48	1106.42	1095.36
22	1119.04	1124.09	1148.95	1156.15	1129.84	1122.75	1109.65
23	1137.94	1142.02	1169.36	1176.12	1147.88	1138.96	1125.59
24	1155.88	1160.93	1189.49	1197.12	1167.53	1157.86	1140.41
25	1173.54	1183.16	1213.01	1219.46	1189.71	1175.85	1156.74
26	1195.24	1204.74	1235.94	1245.77	1211.35	1195.40	1174.35
27	1215.32	1226.76	1260.05	1270.25	1233.63	1215.80	1193.04
28	1235.99	1250.44	1286.15	1296.46	1257.15	1239.32	1212.05
29	1257.26	1274.92	1313.59	1324.06	1280.83	1261.12	1229.55
30	1279.60	1300.48	1337.53	1345.75	1305.48	1284.27	1250.71
31	1301.77	1331.68	1371.95	1377.54	1336.46	1307.73	1273.53
32	1328.03	1352.84	1403.26	1406.59	1355.25	1336.25	1297.75
33	1344.14	1380.28	1434.14	1435.64	1382.10	1352.19	1322.77
34	1371.04	1408.84	1464.80	1465.60	1409.76	1380.33	1342.15
35	1395.80	1437.89	1495.30	1494.81	1436.39	1406.53	1367.77
36	1420.93	1469.74	1529.72	1527.68	1466.14	1431.99	1393.00

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	1449.17	1497.28	1561.56	1556.56	1493.58	1457.28	1419.48
38	1475.43	1524.61	1593.08	1586.42	1522.04	1486.44	1446.06
39	1500.02	1552.27	1624.76	1617.19	1550.44	1512.26	1476.93
40	1524.67	1580.94	1655.37	1647.04	1577.99	1540.72	1505.01
41	1549.80	1610.80	1686.19	1676.95	1605.64	1569.77	1534.71
42	1577.02	1641.51	1719.80	1709.44	1636.63	1598.29	1564.83
43	1601.78	1670.08	1751.38	1738.76	1664.76	1629.54	1593.29
44	1627.07	1698.16	1787.89	1769.04	1692.74	1658.75	1626.26
45	1651.18	1727.96	1821.50	1800.45	1721.04	1689.62	1659.29
46	1675.93	1760.93	1852.59	1835.04	1753.15	1722.00	1689.79
47	1705.25	1791.92	1884.71	1866.50	1782.74	1754.87	1724.04
48	1731.62	1820.11	1916.01	1897.65	1812.11	1790.25	1755.78
49	1756.96	1849.86	1951.07	1928.74	1840.89	1822.52	1790.47
50	1781.55	1883.85	1982.86	1965.20	1873.21	1855.71	1823.87
51	1809.64	1914.29	2014.33	1998.76	1903.88	1888.09	1860.27
52	1838.20	1944.90	2046.12	2032.05	1935.93	1925.94	1897.43
53	1866.82	1978.62	2078.87	2067.70	1969.28	1959.93	1938.08
54	1897.91	2012.56	2113.94	2102.71	2003.75	1995.37	1978.78
55	1930.19	2052.02	2146.26	2143.63	2044.08	2031.57	2020.29
56	1964.66	2087.36	2176.98	2181.38	2081.34	2068.94	2062.93
57	1998.27	2125.05	2207.26	2222.67	2119.31	2107.92	2108.51
58	2032.05	2162.91	2235.83	2262.84	2158.72	2147.71	2156.79
59	2071.57	2204.36	2264.40	2306.23	2201.25	2189.27	2207.58
60	2110.61	2249.79	2294.52	2353.64	2250.11	2229.92	2259.78
61	2157.11	2291.35	2320.13	2398.53	2301.18	2279.00	2303.43
62	2203.83	2334.31	2346.50	2443.96	2354.34	2327.49	2350.90
63	2251.94	2377.21	2370.61	2492.66	2410.02	2379.84	2401.70
64	2303.86	2424.47	2391.34	2544.32	2476.55	2429.46	2451.10
65	2363.09	2468.12	2401.59	2588.78	2539.43	2483.16	2500.18
66	2426.35	2507.27	2402.61	2628.08	2601.29	2541.15	2541.58
67	2489.82	2539.86	2391.60	2660.36	2670.24	2588.24	2578.15
68	2553.71	2566.60	2364.49	2687.04	2748.04	2629.64	2599.30
69	2621.53	2579.76	2320.19	2697.46	2820.27	2660.84	2594.90
70	2701.11	2577.18	2255.54	2689.94	2892.97	2678.83	2523.64
71	2777.58	2557.26	2148.63	2657.94	2968.15	2670.99	2406.05
72	2847.97	2510.49	1984.90	2593.77	3040.21	2630.88	2243.88
73	2919.71	2420.33	1795.30	2484.98	3092.88	2551.35	2027.59
74	2972.66	2306.76	1585.18	2354.23	3125.64	2418.34	1783.70
75	3012.77	2154.69	1356.11	2182.19	3133.64	2243.99	1486.44
76	3030.06	1972.28	1140.20	1977.39	3114.52	2031.08	1231.86
77	3019.05	1739.19	917.73	1723.94	3043.64	1785.42	971.86
78	2963.69	1512.26	738.33	1483.64	2930.29	1529.61	782.36
79	2845.77	1289.15	584.87	1253.02	2769.09	1256.51	603.82
80	2657.35	1075.06	448.96	1027.70	2514.95	1027.11	473.07
81	2336.08	862.32	348.28	814.21	2097.83	825.32	359.07
82	1921.33	696.23	268.38	662.99	1656.55	654.35	273.69
83	1457.44	559.95	208.88	520.59	1223.21	506.41	210.65
84	1064.70	446.22	160.39	415.45	852.60	395.96	157.82
85	749.93	358.53	120.17	318.31	592.81	303.76	112.44
86	505.39	275.09	87.96	229.77	373.57	219.73	80.49
87	296.46	196.21	60.30	160.71	212.59	134.94	51.50
88	127.05	124.74	38.82	98.21	96.76	65.40	28.19
89	40.76	58.80	20.51	39.04	31.52	20.03	15.89
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 : MPL80WT40120V_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 : MPL80WT40120V_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
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	376.06	3.80	3.80
0-30	904.31	9.20	9.20
0-40	1749.25	17.80	17.80
0-60	4685.24	47.70	47.70
0-80	9254.56	94.30	94.30
0-90	9815.9	100.00	100.00
10-90	9725.7	99.10	99.10
20-40	1373.18	14.00	14.00
20-50	2608.6	26.60	26.60
40-70	5229.71	53.30	53.30
60-80	4569.32	46.50	46.60
70-80	2275.61	23.20	23.20
80-90	561.33	5.70	5.70
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	9815.9	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.19
10-20	285.87
20-30	528.25
30-40	844.94
40-50	1235.42
50-60	1700.57
60-70	2293.72
70-80	2275.61
80-90	561.33
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

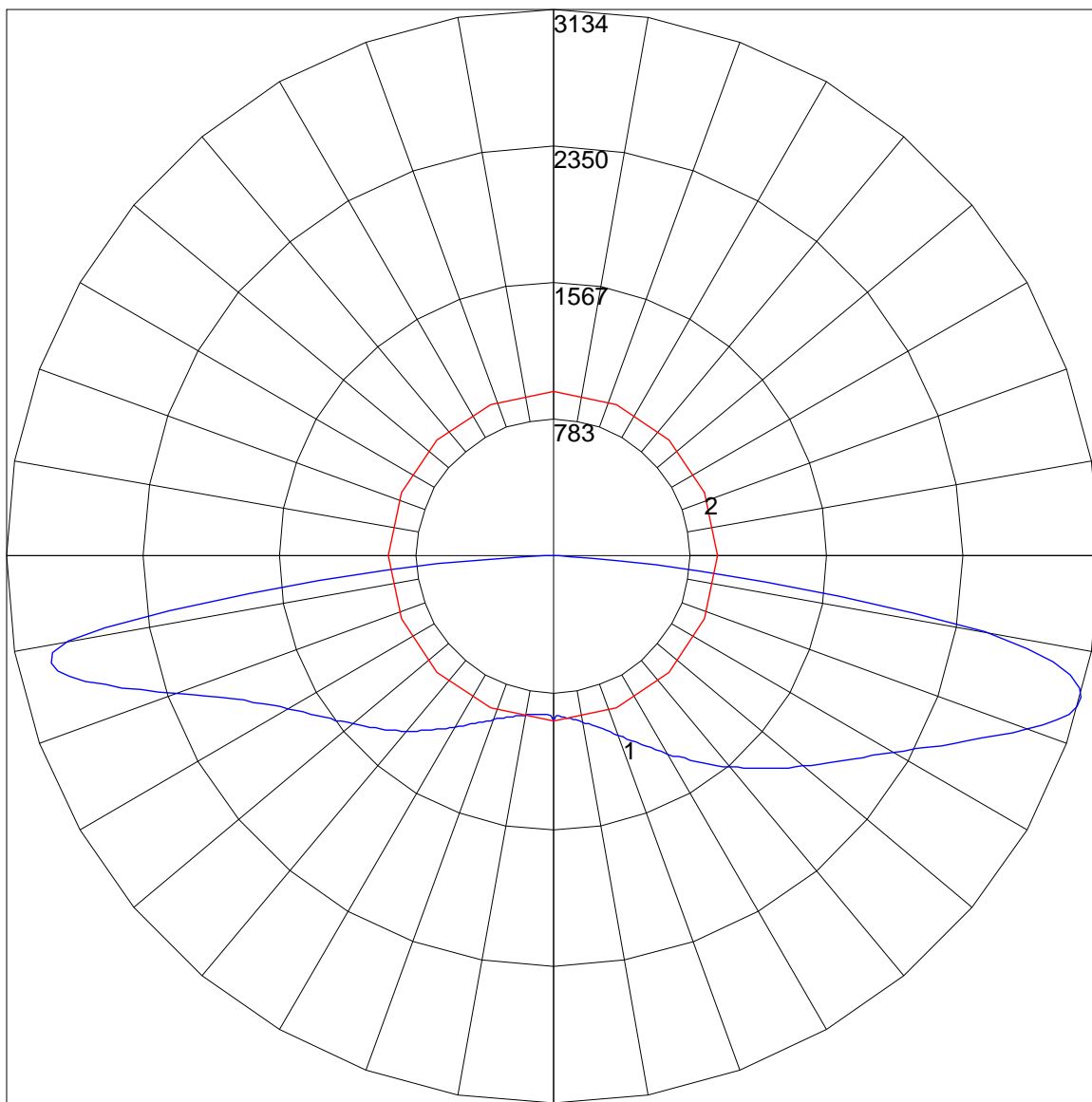
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL80WT40120V_TYPE V.IES

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	85	80	77	81	77	74	72
2	89	78	68	60	86	76	67	59	72	64	57	68	62	56	65	59	54	52
3	79	64	53	44	76	63	52	44	59	50	43	56	49	42	53	47	41	38
4	70	55	43	34	68	53	42	34	50	41	34	48	40	33	45	38	32	30
5	64	47	36	28	61	46	35	27	44	34	27	41	33	27	39	32	26	23
6	58	42	31	23	56	41	30	23	39	29	22	37	28	22	35	27	22	19
7	53	37	26	19	51	36	26	19	34	25	19	33	25	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	30	20	14	28	20	14	27	19	14	26	19	14	12
10	43	28	19	12	41	27	18	12	26	18	12	25	17	12	24	17	12	10

POLAR GRAPH



Maximum Candela = 3133.64 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)