

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT3-40000LM5K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] DG3221028-50023E-EE  
[TESTLAB] Bay Area Compliance Labs Corp.  
[TESTDATE] 2022-12-01  
[ISSUEDATE] 2022-12-01 14:48:26  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI.  
[LUMCAT] MPLSEL40HTT3-40000LM5K  
[LAMP] N/A

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	41239
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	302.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.60
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.30 m
Luminous Width (90-270)	0.28 m
Luminous Height	0.00 m

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	120754	167724	203163
55	93748	182985	252722
65	46709	210889	351923
75	22336	64205	443086
85	14426	14255	162052

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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	11619.37	11619.37	11619.37	11619.37	11619.37	11619.37	11619.37	11619.37	11619.37	11619.37
1	11655.57	11653.63	11647.37	11637.26	11622.65	11607.96	11592.48	11580.88	11575.45	11576.51
2	11684.18	11682.65	11672.55	11654.77	11627.32	11596.85	11561.40	11533.09	11521.44	11526.04
3	11704.39	11704.37	11694.97	11673.73	11635.62	11586.97	11527.64	11480.18	11458.12	11468.79
4	11718.57	11719.63	11715.04	11692.26	11643.52	11576.49	11492.80	11419.99	11390.10	11405.98
5	11727.21	11729.79	11732.38	11709.30	11651.19	11564.04	11453.80	11358.13	11314.75	11340.87
6	11730.19	11737.50	11745.63	11722.36	11656.93	11549.78	11413.71	11290.89	11235.15	11270.10
7	11731.27	11742.63	11755.27	11734.31	11664.24	11534.80	11369.06	11218.35	11148.94	11194.72
8	11730.24	11744.28	11762.17	11747.26	11673.84	11520.49	11320.13	11144.94	11062.96	11117.63
9	11722.44	11744.93	11768.79	11761.34	11685.11	11506.85	11268.53	11067.45	10973.05	11037.79
10	11708.21	11740.00	11775.67	11776.84	11694.99	11493.14	11214.40	10985.91	10878.65	10957.50
11	11686.66	11729.03	11781.52	11792.43	11704.81	11479.22	11161.97	10900.59	10780.02	10872.18
12	11657.45	11711.82	11786.49	11807.07	11718.33	11463.55	11107.91	10808.96	10677.48	10783.77
13	11619.56	11686.71	11790.32	11825.14	11734.64	11450.02	11050.94	10716.94	10572.58	10692.82
14	11572.52	11655.50	11789.37	11842.15	11750.00	11437.10	10993.34	10619.96	10460.68	10598.57
15	11516.69	11616.52	11786.54	11859.75	11764.99	11426.06	10935.29	10522.83	10349.89	10504.38
16	11453.38	11571.04	11779.03	11875.72	11780.35	11415.56	10874.47	10422.09	10234.24	10403.69
17	11382.90	11517.89	11768.11	11892.55	11797.91	11405.22	10813.79	10317.49	10116.27	10301.52
18	11304.98	11458.28	11753.24	11909.27	11814.03	11397.62	10752.75	10212.67	9999.10	10195.95
19	11221.30	11393.86	11734.59	11925.34	11830.76	11391.26	10694.15	10101.88	9873.98	10088.31
20	11132.50	11324.23	11708.52	11938.83	11846.22	11382.46	10634.66	9987.62	9746.41	9977.70
21	11037.28	11249.36	11679.31	11950.99	11863.58	11373.36	10576.81	9872.20	9617.39	9863.48
22	10935.82	11167.04	11644.05	11960.96	11879.04	11365.95	10520.58	9758.43	9488.24	9751.29
23	10823.27	11080.40	11606.12	11969.43	11894.24	11358.45	10461.44	9642.25	9354.60	9634.75
24	10705.70	10989.10	11564.05	11975.09	11909.10	11350.78	10401.20	9522.03	9219.35	9514.98
25	10578.17	10890.87	11519.95	11977.47	11922.83	11343.76	10340.40	9404.52	9083.55	9396.39
26	10445.26	10787.08	11474.28	11976.24	11937.02	11333.98	10278.35	9277.01	8943.99	9273.14
27	10304.31	10675.10	11425.99	11977.07	11950.72	11323.32	10216.22	9151.59	8806.80	9151.04
28	10157.22	10556.82	11373.91	11979.00	11963.49	11313.30	10153.84	9024.64	8668.50	9026.17
29	10003.31	10430.14	11317.86	11978.82	11975.10	11301.94	10092.42	8897.41	8528.75	8900.58
30	9845.96	10295.93	11259.24	11974.98	11986.68	11290.34	10031.37	8772.99	8387.91	8774.50
31	9683.45	10159.15	11199.08	11969.01	11998.52	11278.88	9970.45	8645.78	8243.74	8647.84
32	9517.77	10017.32	11134.60	11964.17	12008.25	11266.05	9904.17	8515.98	8095.99	8514.61
33	9351.89	9869.73	11065.86	11956.61	12014.44	11251.94	9835.84	8383.17	7939.79	8376.17
34	9179.73	9721.20	10991.17	11948.67	12020.49	11236.66	9768.73	8248.07	7777.21	8234.89
35	9012.67	9574.63	10917.27	11940.07	12025.38	11218.17	9703.02	8109.28	7605.88	8087.34
36	8844.20	9423.29	10838.77	11927.82	12032.20	11198.19	9635.71	7963.58	7424.58	7934.64
37	8674.98	9273.57	10757.18	11913.50	12036.85	11175.83	9566.57	7814.59	7241.47	7776.28
38	8499.93	9118.30	10669.80	11896.24	12041.86	11153.73	9494.26	7650.47	7053.14	7611.77
39	8318.69	8958.89	10577.23	11877.69	12046.30	11131.70	9417.39	7480.80	6868.80	7449.01
40	8138.63	8798.76	10484.57	11856.67	12053.77	11110.81	9340.72	7301.44	6676.48	7278.66
41	7950.14	8636.89	10386.44	11832.75	12063.09	11088.52	9266.98	7115.01	6486.73	7108.93
42	7760.34	8476.99	10288.17	11804.47	12073.09	11062.04	9187.20	6912.41	6281.27	6927.03
43	7562.16	8311.73	10184.82	11773.77	12079.14	11033.70	9105.95	6702.49	6071.04	6734.43
44	7370.31	8144.59	10076.82	11744.34	12078.16	11005.25	9020.31	6489.04	5867.94	6537.64
45	7175.49	7974.95	9966.54	11715.00	12072.39	10976.78	8930.19	6262.45	5663.79	6326.28
46	6981.80	7794.66	9851.28	11686.39	12064.57	10947.09	8836.97	6033.21	5463.36	6109.35
47	6787.71	7608.76	9736.17	11656.88	12059.94	10915.81	8738.62	5799.12	5259.02	5875.47
48	6578.91	7412.80	9617.57	11616.50	12061.55	10875.18	8635.20	5558.56	5055.88	5634.46
49	6347.87	7201.70	9496.31	11559.02	12068.19	10814.77	8521.83	5314.32	4843.37	5389.83
50	6096.55	6979.68	9380.26	11499.35	12076.75	10752.31	8403.30	5073.05	4630.16	5158.16
51	5811.93	6731.68	9261.52	11435.58	12089.33	10700.06	8280.41	4833.90	4423.79	4928.03
52	5499.76	6452.81	9140.39	11366.65	12106.91	10651.22	8142.19	4598.62	4218.91	4690.09
53	5178.14	6131.17	9025.59	11294.81	12125.39	10606.25	7992.74	4370.90	4028.11	4459.03

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54	4847.61	5773.18	8918.28	11215.50	12151.28	10560.34	7822.43	4146.86	3842.29	4229.01
55	4518.73	5373.27	8820.06	11138.59	12181.41	10513.85	7632.48	3930.98	3664.26	3995.72
56	4207.31	4952.17	8731.08	11056.62	12215.63	10467.95	7409.28	3724.00	3487.08	3768.47
57	3895.61	4526.36	8658.54	10969.72	12247.59	10425.89	7145.03	3526.70	3294.67	3552.05
58	3585.48	4109.04	8598.03	10874.70	12273.21	10388.10	6837.86	3327.43	3092.94	3343.03
59	3270.42	3713.28	8543.84	10771.30	12297.61	10350.16	6485.63	3125.88	2882.31	3128.52
60	2963.32	3338.70	8490.62	10656.54	12321.02	10309.42	6098.12	2913.10	2670.38	2909.40
61	2652.22	2993.44	8419.41	10538.20	12350.28	10272.51	5658.74	2686.85	2449.33	2683.39
62	2359.02	2660.60	8310.21	10410.11	12383.10	10240.92	5186.71	2457.85	2230.56	2458.38
63	2100.07	2363.94	8140.66	10292.26	12420.91	10220.97	4676.47	2232.48	2027.67	2241.55
64	1861.92	2088.35	7882.55	10179.41	12457.89	10212.86	4172.72	2017.85	1844.11	2032.06
65	1658.88	1838.52	7489.71	10089.36	12498.54	10217.96	3686.26	1809.86	1678.04	1836.47
66	1479.79	1616.35	6943.73	10027.04	12534.03	10243.24	3219.37	1621.30	1528.67	1657.42
67	1319.49	1422.19	6232.78	10001.64	12556.41	10298.45	2752.51	1474.74	1388.62	1493.82
68	1166.58	1255.20	5419.88	10021.34	12551.23	10387.61	2318.25	1328.19	1248.58	1352.41
69	1027.18	1105.99	4570.18	10071.25	12480.59	10495.37	1922.78	1181.96	1108.84	1211.12
70	908.73	971.59	3735.92	10151.26	12319.81	10595.30	1606.79	1064.45	996.02	1082.80
71	805.03	844.42	3053.09	10226.06	12061.46	10639.19	1383.58	954.26	904.38	960.46
72	707.26	737.16	2493.80	10284.27	11700.64	10597.79	1160.83	853.54	824.92	850.14
73	633.20	647.01	2055.67	10327.49	11174.93	10495.60	977.74	754.70	751.71	745.86
74	559.50	579.05	1694.39	10354.99	10476.82	10335.74	825.80	661.87	687.71	650.45
75	485.80	511.67	1396.46	10342.24	9637.14	10123.62	700.53	576.59	635.21	566.74
76	437.39	444.30	1096.45	10264.70	8697.22	9830.63	586.13	504.62	587.53	494.74
77	394.82	394.28	775.41	9957.91	7665.14	9412.57	493.62	443.37	536.31	434.93
78	351.95	347.82	620.35	9276.38	6513.07	8864.38	416.23	389.76	474.98	380.81
79	316.64	302.98	469.10	8259.73	5293.34	7939.17	353.18	340.25	419.57	331.67
80	282.06	259.52	317.84	6926.58	4048.51	6531.61	298.33	292.43	373.63	285.89
81	246.90	219.15	263.92	5502.34	2930.73	4878.92	249.44	248.22	326.49	242.32
82	209.63	183.42	217.78	4258.91	2109.04	3512.67	207.40	210.56	279.71	204.94
83	173.05	151.05	176.96	3257.07	1609.92	2477.17	171.97	178.44	231.17	172.80
84	139.17	119.28	138.44	2462.68	1398.40	1895.19	136.54	146.32	172.72	140.66
85	105.66	89.88	104.41	1816.49	1186.90	1313.21	101.22	113.79	114.27	108.11
86	72.95	62.99	74.53	1307.25	985.84	740.43	71.74	67.85	56.00	61.42
87	58.44	50.54	51.73	891.97	723.29	450.20	54.07	45.56	37.27	41.14
88	44.14	38.25	29.02	670.34	489.82	337.36	36.41	23.26	18.54	20.85
89	29.85	25.97	6.30	450.45	256.36	224.51	18.74	1.09	0.42	0.68
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 : MPLSEL40HTT3-40000LM5K.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. Angles**      **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	11619.37	11619.37	11619.37	11619.37	11619.37	11619.37	11619.37
1	11586.06	11601.15	11615.54	11629.11	11641.98	11650.54	11655.57
2	11549.63	11582.60	11614.83	11640.45	11661.46	11675.85	11684.18
3	11509.84	11566.81	11616.74	11651.71	11677.62	11694.17	11704.39
4	11468.76	11551.46	11620.97	11663.60	11689.80	11706.20	11718.57
5	11425.17	11536.90	11626.57	11675.57	11700.11	11714.82	11727.21
6	11382.15	11522.75	11635.04	11688.22	11709.09	11718.67	11730.19
7	11336.58	11507.76	11641.60	11701.38	11716.34	11721.65	11731.27
8	11287.53	11490.28	11645.42	11710.92	11723.15	11722.17	11730.24
9	11236.52	11470.38	11648.83	11718.83	11728.94	11719.04	11722.44
10	11183.02	11451.48	11651.71	11724.01	11731.89	11709.27	11708.21
11	11127.69	11432.57	11654.94	11728.33	11731.26	11694.37	11686.66
12	11070.96	11416.01	11664.08	11733.47	11728.04	11673.11	11657.45
13	11013.41	11402.60	11674.54	11741.92	11720.03	11643.07	11619.56
14	10957.12	11387.76	11682.82	11753.37	11708.79	11608.53	11572.52
15	10902.46	11374.69	11692.09	11763.75	11694.14	11565.18	11516.69
16	10847.63	11361.28	11701.32	11773.36	11675.66	11516.09	11453.38
17	10790.70	11347.30	11710.11	11782.60	11655.23	11460.18	11382.90
18	10733.56	11333.31	11720.42	11789.55	11633.17	11396.58	11304.98
19	10676.97	11320.18	11729.82	11793.55	11607.82	11327.81	11221.30
20	10617.93	11309.14	11739.97	11798.38	11575.89	11251.01	11132.50
21	10557.85	11295.93	11747.97	11800.83	11540.47	11172.34	11037.28
22	10496.91	11282.84	11760.16	11803.28	11499.53	11084.75	10935.82
23	10434.61	11270.18	11769.77	11802.24	11453.77	10994.36	10823.27
24	10371.83	11260.09	11779.91	11802.41	11404.11	10896.48	10705.70
25	10310.49	11250.18	11790.53	11799.67	11351.85	10793.88	10578.17
26	10249.77	11237.02	11801.50	11796.02	11297.25	10687.75	10445.26
27	10189.41	11224.81	11813.88	11791.89	11240.66	10573.29	10304.31
28	10126.60	11213.71	11822.55	11788.02	11180.13	10454.51	10157.22
29	10063.72	11205.40	11832.59	11782.06	11117.81	10326.21	10003.31
30	9998.23	11197.48	11840.48	11777.02	11051.06	10196.85	9845.96
31	9929.77	11187.86	11846.23	11772.11	10985.02	10063.21	9683.45
32	9860.36	11174.35	11849.19	11767.73	10917.57	9923.58	9517.77
33	9792.90	11159.48	11852.23	11758.04	10845.75	9779.22	9351.89
34	9727.98	11143.56	11856.72	11748.83	10768.89	9634.64	9179.73
35	9660.98	11125.15	11858.71	11740.22	10688.82	9490.12	9012.67
36	9592.03	11108.02	11862.74	11725.48	10607.63	9339.33	8844.20

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3-40000LM5K.IES**

**CANDELA TABULATION - (Cont.)**

37	9523.00	11093.11	11870.46	11704.77	10522.58	9187.75	8674.98
38	9453.29	11075.81	11878.89	11682.07	10433.41	9031.25	8499.93
39	9381.14	11054.32	11894.73	11660.99	10335.37	8872.55	8318.69
40	9303.88	11031.37	11916.83	11637.46	10237.72	8716.35	8138.63
41	9235.03	11005.56	11940.69	11609.62	10132.16	8555.46	7950.14
42	9167.25	10975.49	11970.95	11582.34	10027.97	8392.63	7760.34
43	9092.70	10944.15	12003.87	11551.22	9914.59	8228.94	7562.16
44	9019.62	10919.76	12022.93	11518.38	9799.14	8061.66	7370.31
45	8940.15	10903.98	12024.50	11490.46	9686.36	7889.12	7175.49
46	8860.62	10897.02	12005.85	11466.17	9569.32	7701.18	6981.80
47	8779.45	10894.69	11992.69	11444.39	9454.37	7514.41	6787.71
48	8696.36	10882.66	11995.74	11415.66	9335.53	7309.34	6578.91
49	8604.76	10844.33	12009.43	11366.88	9217.67	7089.06	6347.87
50	8507.48	10801.12	12033.47	11295.81	9105.00	6861.36	6096.55
51	8395.86	10770.97	12062.08	11232.59	8992.15	6605.42	5811.93
52	8268.14	10749.12	12097.74	11175.29	8886.72	6327.61	5499.76
53	8128.17	10731.16	12135.49	11122.02	8786.46	6022.44	5178.14
54	7974.94	10714.46	12177.76	11066.45	8696.24	5679.80	4847.61
55	7807.36	10700.43	12226.82	11011.86	8619.43	5316.98	4518.73
56	7621.27	10689.02	12278.82	10951.79	8554.60	4942.85	4207.31
57	7410.18	10677.65	12328.82	10885.99	8501.90	4560.56	3895.61
58	7159.43	10661.97	12377.18	10817.23	8453.89	4176.62	3585.48
59	6857.89	10643.37	12429.04	10737.88	8403.92	3803.89	3270.42
60	6516.64	10624.57	12482.83	10652.50	8330.75	3432.45	2963.32
61	6129.72	10601.41	12538.43	10562.87	8219.92	3062.21	2652.22
62	5707.57	10576.92	12594.32	10469.57	8042.47	2699.04	2359.02
63	5260.23	10556.59	12650.51	10375.22	7789.36	2373.14	2100.07
64	4774.08	10538.06	12704.44	10278.75	7416.78	2080.92	1861.92
65	4255.90	10521.98	12756.58	10180.35	6881.95	1825.43	1658.88
66	3732.71	10519.95	12806.73	10098.24	6177.41	1608.96	1479.79
67	3202.63	10538.61	12840.24	10038.86	5336.44	1417.15	1319.49
68	2646.76	10576.82	12835.52	10012.03	4471.82	1245.68	1166.58
69	2157.56	10622.81	12750.51	9993.88	3599.78	1090.38	1027.18
70	1778.63	10637.20	12586.92	9974.81	2823.43	950.29	908.73
71	1530.84	10594.87	12349.08	9932.76	2242.42	828.25	805.03
72	1283.04	10508.18	12007.81	9879.21	1804.67	725.87	707.26
73	1036.30	10348.44	11523.53	9823.21	1478.14	637.13	633.20
74	841.03	10116.55	10897.00	9790.16	1202.02	563.39	559.50
75	685.10	9805.01	10127.11	9791.68	962.81	490.01	485.80
76	576.21	9422.76	9276.50	9802.73	739.60	434.01	437.39
77	490.99	8925.98	8308.59	9723.97	610.50	386.41	394.82
78	417.22	8309.19	7211.39	9399.39	481.46	341.13	351.95
79	355.48	7427.38	5967.76	8719.62	352.42	297.02	316.64
80	299.45	6046.62	4632.07	7671.10	296.51	253.73	282.06
81	250.91	4495.62	3370.05	6318.33	249.45	213.93	246.90
82	207.48	3249.90	2468.10	4933.52	206.54	178.04	209.63
83	171.09	2369.73	1897.46	3828.73	167.23	146.20	173.05
84	134.71	1849.30	1585.29	2874.93	130.27	116.09	139.17
85	98.48	1328.88	1364.97	2061.29	97.52	87.57	105.66
86	68.64	809.42	1117.93	1453.24	67.71	60.96	72.95
87	46.71	507.23	808.60	912.35	46.72	36.75	58.44
88	24.79	380.83	453.16	495.72	25.83	12.56	44.14
89	3.03	254.42	97.20	80.56	4.94	8.70	29.85
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 : MPLSEL40HTT3-40000LM5K.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 : MPLSEL40HTT3-40000LM5K.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 : MPLSEL40HTT3-40000LM5K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4305.48	N.A.	10.40
0-30	9319.43	N.A.	22.60
0-40	15692.98	N.A.	38.10
0-60	29953.61	N.A.	72.60
0-80	40361.27	N.A.	97.90
0-90	41238.86	N.A.	100.00
10-90	40136.77	N.A.	97.30
20-40	11387.5	N.A.	27.60
20-50	18528.06	N.A.	44.90
40-70	20381.89	N.A.	49.40
60-80	10407.66	N.A.	25.20
70-80	4286.4	N.A.	10.40
80-90	877.59	N.A.	2.10
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	41238.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1102.09
10-20	3203.39
20-30	5013.95
30-40	6373.55
40-50	7140.56
50-60	7120.07
60-70	6121.26
70-80	4286.4
80-90	877.59
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 : MPLSEL40HTT3-40000LM5K.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	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	67	60	85	75	66	60	71	64	59	69	63	58	66	61	57	54
4	80	67	57	50	77	65	57	50	63	55	49	60	54	48	58	52	48	45
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	22	21

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3-40000LM5K.IES**

**UGR TABLE - CORRECTED**

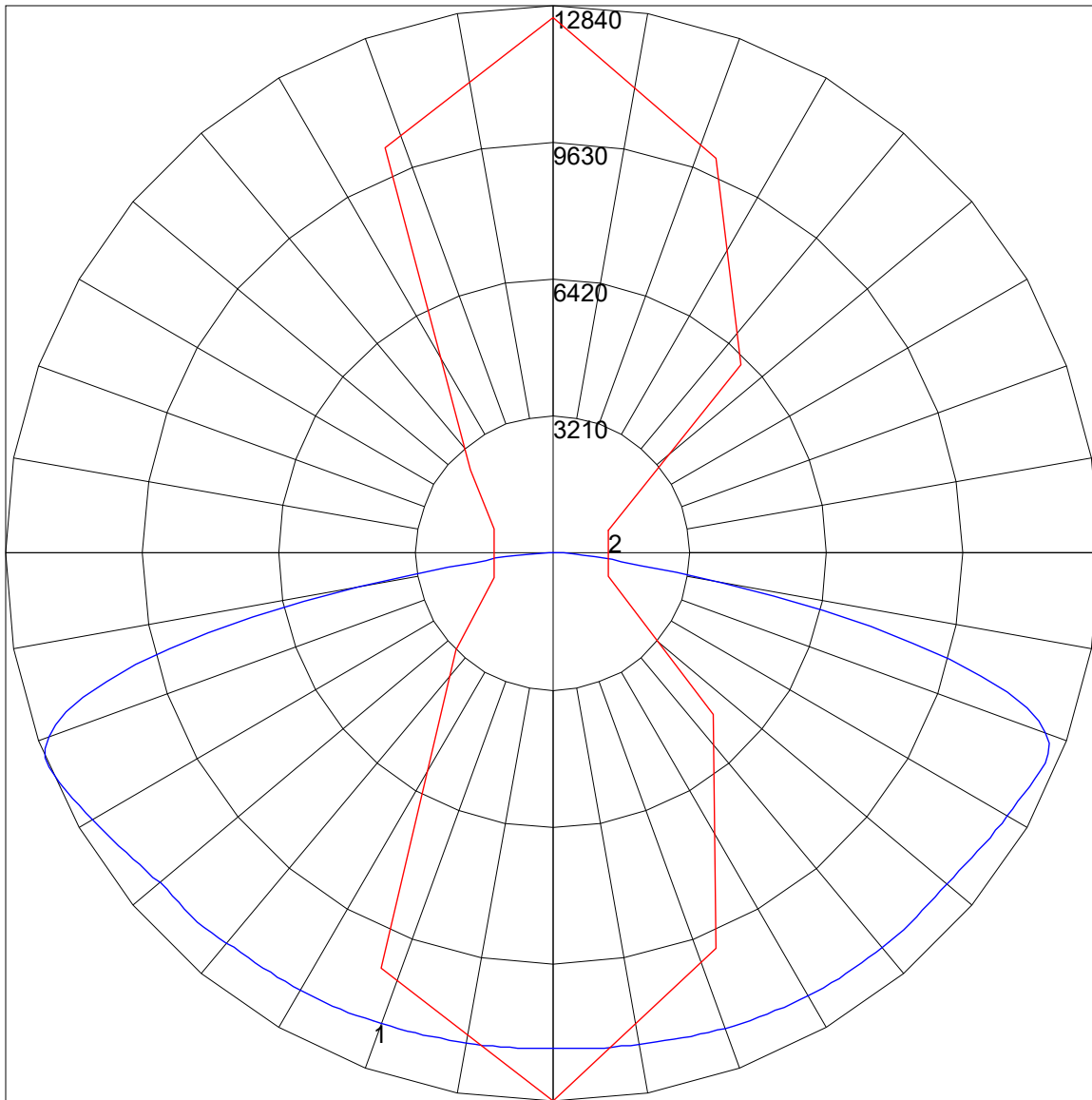
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	26.1	27.8	26.5	28.1	28.5	32.8	34.5	33.2	34.9	35.2
	3H	26.4	28.0	26.8	28.3	28.7	36.6	38.2	37.0	38.5	38.9
	4H	26.5	28.0	26.9	28.3	28.7	38.3	39.8	38.7	40.1	40.5
	6H	26.5	27.9	26.9	28.3	28.6	39.2	40.6	39.6	40.9	41.3
	8H	26.5	27.8	26.9	28.2	28.6	39.3	40.6	39.7	41.0	41.4
	12H	26.5	27.8	26.9	28.2	28.6	39.3	40.6	39.7	41.0	41.4
4H	2H	29.0	30.5	29.4	30.9	31.2	33.1	34.6	33.5	34.9	35.3
	3H	29.3	30.6	29.7	31.0	31.4	37.1	38.4	37.5	38.8	39.2
	4H	29.3	30.5	29.7	30.9	31.3	39.3	40.4	39.7	40.8	41.3
	6H	29.3	30.3	29.8	30.8	31.2	40.5	41.6	41.0	42.0	42.4
	8H	29.3	30.3	29.8	30.7	31.2	40.7	41.6	41.2	42.1	42.5
	12H	29.3	30.2	29.8	30.7	31.1	40.8	41.6	41.2	42.1	42.6
8H	4H	31.0	31.9	31.4	32.3	32.8	39.3	40.2	39.7	40.7	41.1
	6H	30.9	31.7	31.4	32.2	32.7	40.8	41.5	41.3	42.0	42.5
	8H	30.9	31.6	31.4	32.1	32.6	41.0	41.7	41.5	42.2	42.7
	12H	30.9	31.6	31.4	32.0	32.6	41.1	41.8	41.7	42.3	42.8
12H	4H	31.8	32.7	32.3	33.2	33.6	39.3	40.1	39.7	40.6	41.1
	6H	31.8	32.5	32.4	33.0	33.5	40.7	41.5	41.3	41.9	42.4
	8H	31.8	32.5	32.3	32.9	33.5	41.0	41.6	41.5	42.1	42.7

Maximum UGR = 42.8

POLAR GRAPH



Maximum Candela = 12840.24 Located At Horizontal Angle = 270, Vertical Angle = 67  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67) (Through Max. Cd.)