

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3-40000LM3K.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 11:03:59  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL40HTT3-40000LM3K  
[LAMP] N/A

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	40097
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	303.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.50
Spacing Criterion (Diagonal)	1.50
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	117536	158670	186801
55	89047	170023	231334
65	41405	207518	327286
75	19571	94132	393999
85	13409	13098	143467

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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	11602.39	11602.39	11602.39	11602.39	11602.39	11602.39	11602.39	11602.39	11602.39	11602.39
1	11635.08	11632.28	11625.92	11613.86	11600.38	11586.28	11575.16	11564.59	11560.93	11564.49
2	11661.47	11657.99	11644.21	11625.16	11597.40	11568.85	11541.85	11518.89	11510.96	11520.89
3	11682.78	11676.54	11660.99	11634.02	11594.54	11550.33	11504.29	11467.61	11451.27	11468.21
4	11699.59	11691.78	11674.26	11642.72	11590.59	11530.30	11462.17	11408.45	11385.20	11409.73
5	11710.76	11703.38	11684.95	11651.24	11588.61	11508.69	11416.69	11343.16	11311.26	11345.05
6	11717.45	11710.07	11693.34	11658.34	11585.18	11486.60	11367.71	11271.83	11231.80	11276.28
7	11719.97	11713.48	11699.59	11663.04	11580.44	11462.65	11316.21	11193.88	11145.72	11202.30
8	11718.51	11713.72	11703.89	11666.26	11574.31	11436.78	11261.26	11113.15	11054.60	11125.77
9	11711.12	11710.91	11705.30	11667.41	11567.01	11408.74	11202.27	11027.15	10959.88	11042.92
10	11696.21	11702.49	11704.67	11668.28	11560.47	11378.51	11138.75	10936.82	10858.51	10959.45
11	11672.76	11689.84	11701.44	11668.51	11552.62	11348.46	11074.62	10843.76	10756.05	10872.52
12	11640.67	11671.18	11694.97	11668.09	11544.03	11316.57	11007.10	10746.13	10647.12	10784.75
13	11599.77	11644.35	11684.26	11666.14	11535.52	11282.88	10936.71	10647.50	10535.83	10694.53
14	11550.28	11611.97	11671.29	11663.07	11527.58	11247.67	10864.27	10543.93	10420.33	10600.76
15	11490.86	11571.87	11654.14	11661.54	11520.97	11212.27	10792.16	10441.66	10304.75	10504.57
16	11423.74	11523.93	11634.49	11660.02	11513.71	11175.62	10715.66	10334.65	10184.18	10403.28
17	11347.16	11469.79	11611.15	11658.93	11504.84	11139.74	10636.83	10225.41	10060.53	10302.05
18	11263.98	11408.10	11583.15	11654.42	11493.34	11104.58	10560.47	10115.29	9938.31	10197.12
19	11174.56	11340.92	11549.56	11647.85	11480.73	11069.25	10481.14	9999.04	9808.93	10091.59
20	11076.97	11265.70	11512.03	11636.74	11466.09	11034.05	10402.31	9882.24	9678.85	9978.43
21	10976.66	11187.09	11469.02	11623.00	11450.53	10999.07	10325.56	9762.66	9544.67	9868.10
22	10865.68	11098.31	11421.63	11606.33	11435.10	10961.46	10250.63	9642.97	9411.10	9751.65
23	10747.35	11002.90	11369.58	11588.31	11420.18	10924.83	10175.63	9518.96	9274.05	9636.50
24	10622.83	10900.00	11314.46	11567.56	11404.33	10887.98	10100.90	9395.72	9133.98	9513.82
25	10490.71	10789.24	11253.51	11544.58	11388.87	10851.72	10025.17	9272.74	8993.58	9392.82
26	10351.54	10671.10	11190.36	11520.20	11373.39	10814.76	9948.73	9141.41	8848.96	9264.49
27	10205.67	10547.58	11123.68	11495.31	11358.74	10778.81	9872.42	9011.38	8707.31	9137.08
28	10052.98	10415.46	11055.46	11468.61	11344.74	10741.55	9794.82	8876.18	8560.70	9008.22
29	9892.96	10280.14	10983.17	11441.95	11333.02	10704.69	9717.99	8739.47	8412.93	8876.37
30	9731.33	10136.99	10907.04	11416.35	11319.21	10668.34	9643.97	8601.94	8265.34	8746.57
31	9564.12	9992.36	10831.91	11392.82	11304.16	10630.24	9566.87	8460.05	8115.28	8614.51
32	9397.36	9842.30	10751.30	11368.72	11287.05	10592.06	9491.24	8317.32	7962.79	8477.82
33	9225.26	9691.88	10669.35	11341.35	11270.40	10555.34	9414.69	8168.88	7801.51	8334.56
34	9049.77	9537.64	10581.67	11310.64	11251.88	10518.29	9336.62	8022.58	7637.85	8186.84
35	8874.89	9385.60	10491.33	11278.84	11232.54	10479.39	9255.99	7869.49	7464.63	8033.42
36	8694.57	9227.08	10395.95	11243.46	11211.21	10439.09	9172.25	7714.64	7281.41	7875.17
37	8514.61	9070.43	10297.15	11208.16	11193.30	10395.17	9091.01	7559.35	7094.10	7711.88
38	8329.21	8908.53	10196.65	11171.48	11179.13	10347.27	9010.73	7396.65	6900.56	7544.33
39	8140.31	8742.68	10093.55	11130.72	11171.67	10296.77	8927.81	7230.48	6705.59	7370.13
40	7954.08	8577.44	9991.63	11091.66	11171.89	10249.22	8842.87	7051.42	6502.63	7197.07
41	7760.67	8409.02	9884.46	11053.95	11171.94	10204.79	8757.10	6868.10	6294.36	7020.18
42	7570.07	8241.81	9775.56	11016.77	11165.20	10161.39	8666.80	6669.93	6074.57	6829.96
43	7373.66	8072.21	9663.44	10978.53	11145.49	10118.47	8576.82	6456.21	5855.53	6629.79
44	7176.70	7904.27	9545.41	10944.62	11119.28	10077.00	8487.80	6238.26	5644.38	6416.53
45	6984.23	7736.10	9428.49	10920.22	11100.15	10043.34	8397.16	6013.26	5438.63	6188.12
46	6784.26	7564.18	9304.25	10891.74	11091.13	10008.38	8300.28	5787.66	5243.04	5943.81
47	6587.26	7390.14	9176.92	10842.55	11087.84	9951.81	8199.66	5556.10	5044.02	5691.42
48	6374.00	7201.75	9050.16	10776.48	11085.42	9883.78	8093.76	5315.99	4843.96	5436.46
49	6143.89	7004.82	8917.96	10707.60	11082.66	9816.49	7983.33	5074.69	4625.66	5175.17
50	5892.24	6795.47	8792.13	10645.24	11085.79	9755.79	7872.57	4833.38	4405.61	4920.37
51	5599.98	6561.77	8661.44	10578.71	11090.93	9696.30	7756.03	4596.57	4182.34	4667.49
52	5286.00	6290.94	8535.05	10508.22	11099.17	9642.17	7633.42	4359.30	3964.23	4422.32
53	4951.60	5986.69	8411.69	10434.86	11112.52	9590.84	7498.93	4129.73	3764.14	4189.49

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54	4619.65	5634.05	8298.24	10355.26	11130.14	9543.58	7348.57	3904.54	3574.01	3969.53
55	4292.12	5233.72	8195.24	10269.38	11150.48	9498.09	7173.28	3690.83	3403.42	3751.30
56	3981.21	4808.65	8108.06	10175.14	11177.50	9454.48	6974.18	3498.84	3236.20	3543.22
57	3679.65	4376.33	8037.93	10079.90	11212.16	9413.58	6744.24	3310.26	3062.07	3336.10
58	3368.82	3946.64	7986.10	9980.15	11252.89	9375.65	6469.55	3129.14	2869.52	3128.97
59	3046.95	3529.15	7950.25	9882.50	11301.78	9349.62	6161.80	2935.39	2673.65	2915.95
60	2727.62	3138.60	7922.78	9786.59	11353.83	9333.78	5807.36	2732.90	2479.71	2697.97
61	2415.55	2770.80	7894.33	9694.46	11409.91	9335.44	5422.67	2511.21	2278.77	2477.32
62	2123.25	2434.16	7846.93	9610.83	11462.69	9353.09	5004.21	2298.91	2082.58	2268.01
63	1868.79	2142.32	7766.30	9540.28	11519.47	9389.78	4575.51	2093.03	1894.41	2064.81
64	1652.31	1887.74	7618.33	9479.67	11574.94	9444.96	4136.13	1893.42	1720.67	1866.93
65	1470.51	1660.17	7370.01	9441.23	11623.55	9517.73	3703.08	1709.12	1561.97	1680.79
66	1310.65	1468.77	6995.30	9430.90	11652.58	9611.99	3268.25	1541.38	1427.49	1511.30
67	1158.54	1293.73	6472.57	9454.47	11656.90	9726.17	2835.86	1402.06	1293.00	1370.26
68	1014.42	1144.32	5837.17	9500.55	11623.71	9849.03	2423.44	1262.74	1158.51	1229.23
69	886.93	1008.96	5129.34	9554.57	11537.56	9954.25	2034.44	1123.57	1033.07	1116.78
70	782.98	890.33	4413.77	9615.47	11392.14	10026.18	1704.34	993.48	925.22	994.37
71	691.88	787.95	3808.87	9685.36	11149.13	10047.87	1459.44	872.74	835.30	876.12
72	619.42	699.03	3320.56	9746.89	10772.49	10033.11	1214.53	776.66	756.97	778.55
73	547.51	626.03	2885.80	9816.14	10207.53	9964.83	971.63	694.91	685.98	688.22
74	475.60	553.36	2467.26	9879.03	9461.71	9815.90	796.40	618.21	625.90	614.68
75	425.66	480.69	2047.38	9903.16	8569.50	9540.79	648.22	549.59	577.24	544.08
76	386.13	423.97	1631.72	9763.23	7573.56	9175.97	533.82	489.71	533.24	483.67
77	351.26	372.97	1235.65	9317.86	6513.91	8668.89	444.54	437.22	487.30	429.39
78	315.01	325.82	868.28	8490.41	5385.62	7840.15	375.05	389.35	434.03	378.86
79	283.69	282.04	584.39	7237.79	4292.29	6607.72	316.50	343.41	383.25	332.73
80	252.83	240.11	424.30	5851.55	3296.80	5137.27	264.28	297.45	338.30	287.52
81	220.94	202.52	266.94	4531.00	2501.44	3756.45	222.21	257.40	291.72	246.98
82	189.54	167.84	206.54	3452.33	1938.88	2635.04	185.25	222.02	248.58	208.41
83	159.32	137.38	163.52	2632.51	1642.82	2059.89	152.63	188.20	203.72	176.66
84	128.50	108.89	127.84	2017.45	1346.77	1484.75	120.14	150.41	153.08	144.92
85	98.21	83.15	95.93	1510.38	1050.78	911.53	91.82	112.61	102.44	113.09
86	67.13	58.95	67.80	1080.64	763.31	612.35	66.01	75.06	52.41	69.99
87	53.80	36.19	47.18	741.56	573.13	401.08	49.78	50.41	35.07	47.23
88	40.79	13.46	26.69	420.25	382.95	301.14	33.55	25.76	17.74	24.46
89	27.77	9.40	6.20	99.21	192.77	201.21	17.33	1.30	0.64	1.93
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 : MPLSEL40HTT3-40000LM3K.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	11602.39	11602.39	11602.39	11602.39	11602.39	11602.39	11602.39
1	11575.26	11589.81	11604.96	11616.63	11626.92	11631.95	11635.08
2	11544.25	11576.56	11608.25	11632.06	11648.85	11658.92	11661.47
3	11509.38	11562.23	11612.10	11645.61	11668.22	11680.02	11682.78
4	11470.19	11547.89	11616.75	11659.63	11686.03	11698.18	11699.59
5	11428.34	11532.56	11621.97	11672.26	11702.60	11712.77	11710.76
6	11386.08	11520.09	11629.23	11686.40	11716.76	11722.04	11717.45
7	11341.24	11507.31	11636.31	11699.20	11728.05	11726.81	11719.97
8	11295.92	11494.33	11643.81	11710.56	11737.49	11727.90	11718.51
9	11247.50	11479.61	11650.23	11720.32	11742.89	11724.90	11711.12
10	11196.34	11464.36	11654.80	11730.04	11744.86	11716.08	11696.21
11	11145.20	11447.24	11655.93	11738.13	11744.90	11700.26	11672.76
12	11090.00	11428.73	11655.52	11743.16	11741.28	11679.03	11640.67
13	11034.32	11410.56	11655.08	11745.63	11733.48	11650.70	11599.77
14	10976.99	11392.82	11656.98	11744.79	11722.11	11616.08	11550.28
15	10919.91	11376.71	11660.90	11743.06	11705.10	11573.67	11490.86
16	10862.77	11359.85	11664.35	11742.19	11683.35	11522.03	11423.74
17	10802.49	11341.68	11667.81	11744.72	11656.27	11467.05	11347.16
18	10742.41	11323.61	11669.40	11745.21	11622.14	11401.10	11263.98
19	10679.65	11303.99	11668.58	11743.51	11585.38	11330.14	11174.56
20	10615.63	11284.12	11667.28	11738.53	11545.01	11253.42	11076.97
21	10551.03	11261.23	11665.33	11732.02	11502.97	11171.85	10976.66
22	10486.03	11237.47	11663.80	11722.90	11457.31	11083.31	10865.68
23	10420.13	11211.64	11662.07	11712.19	11408.79	10986.66	10747.35
24	10351.96	11183.55	11661.40	11700.31	11353.05	10883.88	10622.83
25	10285.08	11157.38	11662.03	11687.26	11295.49	10774.69	10490.71
26	10215.14	11129.83	11662.89	11673.77	11237.52	10658.16	10351.54
27	10147.32	11102.80	11665.69	11658.88	11173.76	10533.63	10205.67
28	10075.31	11075.64	11668.27	11643.59	11109.44	10403.95	10052.98
29	10002.10	11049.19	11672.91	11630.35	11041.16	10267.13	9892.96
30	9926.37	11022.75	11674.41	11617.98	10967.77	10126.38	9731.33
31	9847.06	10999.04	11675.75	11604.18	10892.27	9979.73	9564.12
32	9769.47	10975.51	11678.51	11592.91	10812.33	9832.19	9397.36
33	9691.40	10951.36	11680.49	11581.10	10724.88	9683.44	9225.26
34	9611.87	10926.00	11684.43	11567.37	10636.27	9530.89	9049.77
35	9534.02	10903.91	11687.40	11548.41	10544.67	9379.20	8874.89
36	9455.38	10881.18	11692.14	11528.78	10448.81	9223.75	8694.57

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3-40000LM3K.IES**

**CANDELA TABULATION - (Cont.)**

37	9377.27	10855.03	11702.04	11508.86	10351.03	9071.36	8514.61
38	9292.91	10830.93	11717.06	11482.96	10251.42	8912.67	8329.21
39	9212.19	10805.60	11739.25	11454.58	10146.93	8750.41	8140.31
40	9130.14	10778.27	11768.61	11426.52	10041.83	8589.29	7954.08
41	9054.07	10749.97	11799.10	11399.06	9931.10	8419.58	7760.67
42	8976.65	10724.18	11818.43	11371.62	9819.91	8254.18	7570.07
43	8896.89	10701.75	11820.88	11345.11	9704.99	8078.98	7373.66
44	8817.98	10692.80	11815.02	11322.41	9587.23	7908.71	7176.70
45	8731.95	10699.08	11816.13	11311.12	9472.47	7731.96	6984.23
46	8644.05	10693.25	11830.26	11292.60	9353.40	7549.27	6784.26
47	8552.51	10650.03	11852.60	11249.51	9240.21	7358.39	6587.26
48	8460.94	10604.34	11878.78	11177.74	9123.60	7154.39	6374.00
49	8366.10	10576.01	11907.74	11114.84	9008.39	6935.12	6143.89
50	8267.14	10556.00	11940.81	11062.48	8900.00	6699.17	5892.24
51	8157.38	10539.18	11980.74	11010.68	8790.34	6429.99	5599.98
52	8036.15	10524.56	12026.49	10958.22	8686.13	6135.97	5286.00
53	7905.96	10510.16	12077.94	10906.10	8590.20	5807.92	4951.60
54	7764.97	10497.34	12132.84	10852.11	8507.85	5450.51	4619.65
55	7613.22	10487.44	12194.29	10794.05	8437.77	5065.42	4292.12
56	7451.91	10477.38	12264.02	10736.74	8379.77	4670.44	3981.21
57	7269.95	10470.58	12345.21	10677.42	8335.20	4277.31	3679.65
58	7060.23	10467.59	12435.39	10616.27	8298.91	3893.93	3368.82
59	6820.79	10473.37	12534.37	10560.21	8267.25	3526.15	3046.95
60	6550.98	10492.47	12638.66	10509.86	8221.05	3175.52	2727.62
61	6257.93	10525.94	12750.76	10471.26	8141.83	2820.19	2415.55
62	5936.12	10572.26	12866.84	10436.45	8006.33	2488.93	2123.25
63	5589.50	10638.65	12970.75	10413.14	7796.86	2182.76	1868.79
64	5213.01	10729.26	13074.64	10406.94	7490.20	1905.62	1652.31
65	4797.27	10846.50	13178.54	10420.97	7057.44	1665.91	1470.51
66	4340.59	10984.75	13246.55	10458.39	6470.47	1456.01	1310.65
67	3838.94	11145.48	13288.18	10521.79	5753.14	1275.96	1158.54
68	3346.00	11318.50	13283.95	10601.24	4951.78	1124.41	1014.42
69	2879.18	11485.71	13223.36	10683.96	4117.62	990.84	886.93
70	2458.62	11627.49	13082.98	10756.11	3374.67	879.35	782.98
71	2105.63	11716.33	12830.83	10801.52	2763.52	782.16	691.88
72	1750.74	11671.97	12434.19	10813.91	2277.76	699.66	619.42
73	1453.36	11472.58	11878.27	10810.71	1868.24	627.28	547.51
74	1155.98	11148.06	11146.06	10843.48	1502.03	555.14	475.60
75	859.98	10683.86	10230.51	10876.20	1187.32	483.00	425.66
76	652.48	10098.94	9199.48	10793.16	908.08	421.86	386.13
77	506.73	9370.95	7975.04	10500.47	671.40	368.06	351.26
78	407.63	8342.91	6668.64	9949.15	540.57	319.97	315.01
79	336.87	6960.77	5439.13	8949.04	413.38	275.77	283.69
80	274.70	5446.97	4212.13	7582.46	286.19	235.05	252.83
81	224.42	4120.06	2985.13	6106.66	228.20	197.81	220.94
82	187.49	2970.38	2212.12	4815.20	185.31	164.59	189.54
83	150.56	2077.73	1701.48	3767.34	149.37	134.53	159.32
84	113.83	1533.07	1340.95	2855.70	116.35	106.37	128.50
85	86.58	988.72	1049.39	2081.64	86.11	80.40	98.21
86	61.80	642.34	737.00	1454.92	59.19	57.10	67.13
87	42.71	400.19	589.64	966.01	36.78	33.83	53.80
88	23.61	266.27	445.21	507.41	14.45	10.57	40.79
89	4.70	132.36	300.78	404.99	10.46	7.38	27.77
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 : MPLSEL40HTT3-40000LM3K.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 : MPLSEL40HTT3-40000LM3K.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 : MPLSEL40HTT3-40000LM3K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4281.04	N.A.	10.70
0-30	9209.29	N.A.	23.00
0-40	15394.05	N.A.	38.40
0-60	29027.75	N.A.	72.40
0-80	39326.57	N.A.	98.10
0-90	40097.38	N.A.	100.00
10-90	38997.65	N.A.	97.30
20-40	11113.00	N.A.	27.70
20-50	17964.36	N.A.	44.80
40-70	19659.79	N.A.	49.00
60-80	10298.83	N.A.	25.70
70-80	4272.73	N.A.	10.70
80-90	770.80	N.A.	1.90
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	40097.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1099.72
10-20	3181.33
20-30	4928.25
30-40	6184.76
40-50	6851.35
50-60	6782.35
60-70	6026.1
70-80	4272.73
80-90	770.80
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 : MPLSEL40HTT3-40000LM3K.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	77	72	79	74	70	76	72	68	66
3	88	76	67	60	85	75	66	60	72	64	59	69	63	58	66	61	57	54
4	80	67	57	50	77	66	57	50	63	55	49	61	54	48	58	53	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	49	41	36	47	41	36	34
7	62	48	39	32	60	47	38	32	46	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	29	42	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	26	38	31	25	37	30	25	36	30	25	23
10	50	37	29	23	49	36	28	23	35	28	23	34	28	23	33	27	23	21

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3-40000LM3K.IES**

**UGR TABLE - CORRECTED**

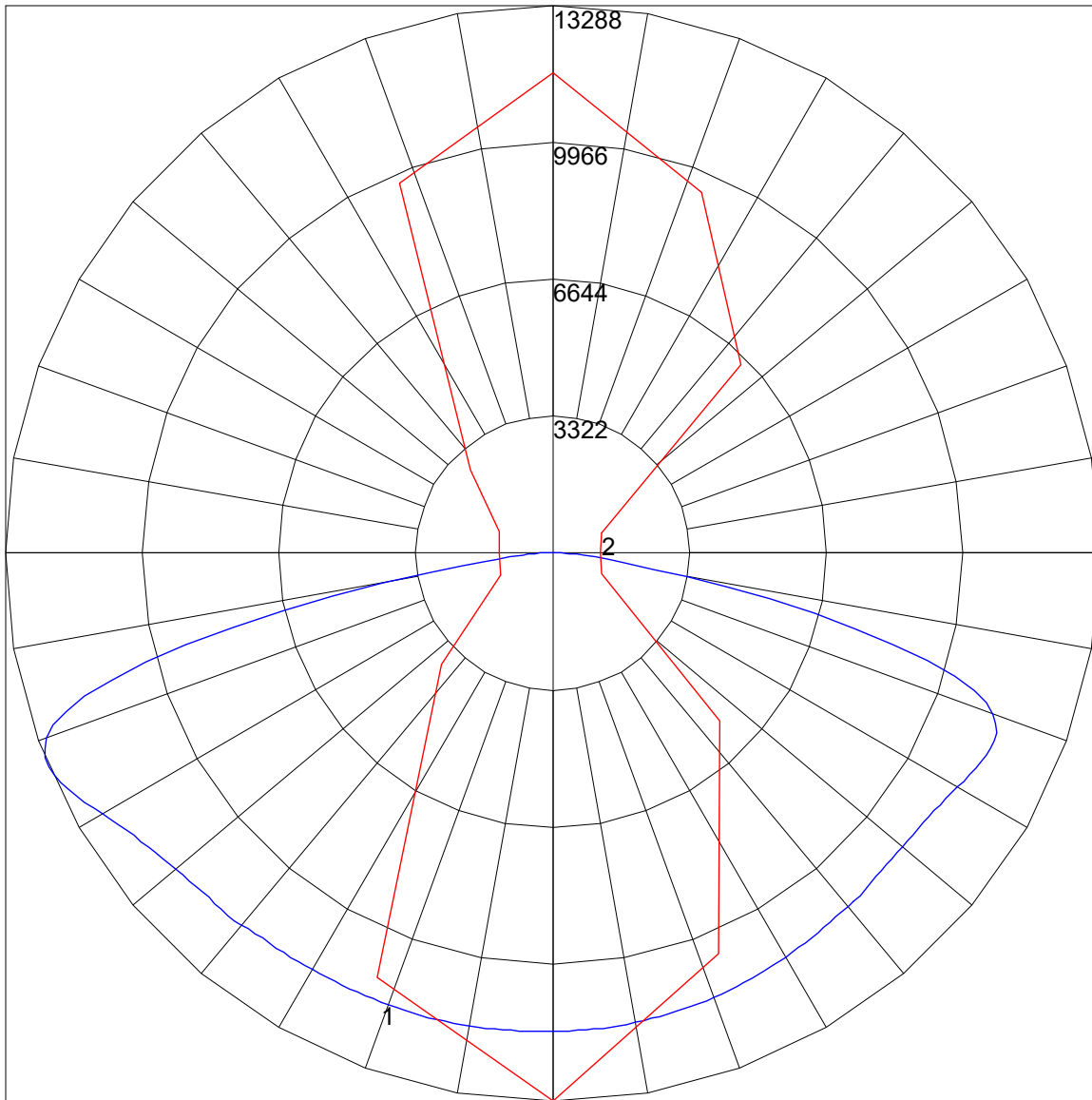
Reflectances

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	25.8	27.5	26.2	27.9	28.2	32.3	34.0	32.6	34.3	34.6
	3H	26.1	27.7	26.5	28.0	28.4	36.2	37.7	36.5	38.1	38.4
	4H	26.1	27.6	26.5	28.0	28.3	37.8	39.3	38.2	39.7	40.0
	6H	26.2	27.5	26.6	27.9	28.3	38.6	40.0	39.0	40.3	40.7
	8H	26.2	27.5	26.6	27.9	28.3	38.7	40.0	39.1	40.4	40.8
	12H	26.2	27.4	26.6	27.8	28.2	38.7	40.0	39.2	40.4	40.8
4H	2H	29.0	30.5	29.4	30.8	31.2	32.6	34.1	33.0	34.5	34.8
	3H	29.3	30.6	29.7	30.9	31.3	36.7	38.0	37.2	38.4	38.8
	4H	29.3	30.4	29.7	30.9	31.3	38.9	40.0	39.3	40.4	40.9
	6H	29.3	30.3	29.8	30.8	31.2	40.0	41.0	40.4	41.4	41.9
	8H	29.3	30.2	29.8	30.7	31.1	40.1	41.1	40.6	41.5	42.0
	12H	29.3	30.1	29.8	30.6	31.1	40.2	41.0	40.7	41.5	42.0
8H	4H	31.2	32.1	31.6	32.5	33.0	38.9	39.9	39.4	40.3	40.8
	6H	31.1	31.9	31.6	32.4	32.9	40.2	41.0	40.7	41.5	41.9
	8H	31.1	31.8	31.6	32.3	32.8	40.4	41.1	40.9	41.6	42.1
	12H	31.1	31.7	31.6	32.2	32.8	40.5	41.1	41.0	41.6	42.2
12H	4H	31.9	32.8	32.4	33.3	33.7	38.9	39.7	39.4	40.2	40.7
	6H	31.9	32.6	32.4	33.1	33.6	40.2	40.9	40.7	41.3	41.9
	8H	31.9	32.5	32.4	33.0	33.6	40.4	41.0	40.9	41.5	42.1

Maximum UGR = 42.2

POLAR GRAPH



Maximum Candela = 13288.18 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.)