

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-40000LM3K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] DG3221028-50024E-EE  
[TESTLAB] Bay Area Compliance Labs Corp.  
[TESTDATE] 2022-10-29  
[ISSUE DATE] 2022-11-23 20:39:06  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL40HTT5HV-40000LM3K  
[LAMP] N/A

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	39927
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	300.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.54
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	183634	166961	147567
55	191004	169254	154497
65	145235	154081	159333
75	46291	48359	75199
85	9832	11809	12650

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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	11880.89	11880.89	11880.89	11880.89	11880.89	11880.89	11880.89	11880.89	11880.89	11880.89
1	11929.16	11918.37	11900.51	11880.08	11858.63	11843.09	11831.18	11827.31	11830.52	11842.71
2	11975.74	11953.76	11918.80	11877.73	11835.01	11802.27	11780.32	11772.73	11780.49	11803.57
3	12022.48	11988.36	11935.21	11872.49	11809.23	11761.08	11729.01	11717.45	11729.48	11763.69
4	12067.45	12021.59	11949.09	11865.40	11781.61	11718.01	11677.16	11662.08	11679.47	11724.22
5	12110.42	12052.56	11960.07	11856.48	11752.75	11674.31	11624.47	11608.07	11628.94	11684.33
6	12153.20	12082.80	11969.91	11845.39	11722.65	11630.91	11571.92	11554.25	11580.41	11644.54
7	12194.26	12110.70	11977.01	11832.11	11691.00	11585.94	11518.83	11500.63	11531.30	11604.56
8	12234.38	12136.83	11982.15	11817.60	11657.01	11541.10	11467.97	11449.30	11485.03	11566.08
9	12275.54	12160.58	11986.27	11800.09	11621.41	11493.99	11416.85	11398.02	11438.48	11526.73
10	12315.12	12184.40	11988.13	11780.69	11585.68	11447.89	11366.12	11346.90	11392.83	11488.09
11	12352.72	12203.92	11987.49	11759.39	11547.68	11401.17	11315.78	11298.21	11348.91	11450.00
12	12387.30	12222.07	11984.24	11736.23	11507.84	11353.94	11267.35	11248.68	11305.31	11410.97
13	12419.37	12236.65	11978.28	11711.01	11465.35	11305.12	11219.15	11200.95	11263.06	11371.21
14	12448.24	12249.06	11969.30	11682.16	11421.03	11254.16	11168.45	11152.50	11218.90	11332.30
15	12472.96	12258.47	11958.28	11649.71	11373.42	11201.48	11116.59	11102.96	11175.49	11294.72
16	12492.61	12264.19	11943.25	11615.46	11324.05	11147.13	11062.21	11054.26	11131.41	11257.65
17	12509.07	12267.85	11925.42	11577.63	11269.57	11089.77	11007.64	11004.75	11086.84	11219.05
18	12521.31	12263.58	11901.67	11534.41	11215.26	11031.90	10951.52	10954.88	11045.40	11181.97
19	12529.51	12255.90	11872.98	11489.27	11157.50	10970.46	10893.47	10903.45	11003.60	11141.65
20	12530.19	12243.21	11837.36	11437.01	11096.89	10904.75	10834.29	10851.83	10960.84	11101.75
21	12524.26	12222.79	11796.52	11383.34	11033.94	10837.86	10770.89	10799.41	10918.26	11061.64
22	12512.79	12193.96	11750.84	11323.76	10967.60	10768.89	10705.73	10744.30	10873.23	11021.95
23	12494.03	12160.58	11696.33	11259.27	10897.35	10696.22	10636.26	10685.42	10826.16	10978.12
24	12465.79	12122.61	11640.71	11192.02	10825.92	10619.70	10565.37	10625.15	10777.44	10932.71
25	12431.23	12079.23	11582.08	11121.08	10751.51	10544.38	10492.70	10563.28	10729.85	10888.36
26	12391.56	12032.51	11522.20	11048.98	10673.65	10466.04	10420.96	10496.44	10676.47	10837.90
27	12346.61	11982.45	11458.96	10972.75	10594.22	10386.21	10350.97	10428.88	10622.96	10784.46
28	12298.02	11930.74	11394.31	10894.30	10510.78	10307.44	10280.14	10362.94	10566.70	10729.32
29	12245.82	11875.42	11325.62	10813.45	10425.46	10226.93	10210.30	10294.16	10507.98	10672.74
30	12192.38	11818.59	11256.38	10730.62	10335.26	10145.49	10140.78	10225.84	10447.86	10613.13
31	12137.44	11759.80	11184.84	10644.58	10245.81	10062.66	10070.75	10160.05	10389.13	10551.56
32	12077.92	11700.67	11113.18	10558.20	10151.28	9979.71	10000.30	10094.60	10331.98	10486.94
33	12013.06	11639.27	11037.22	10466.18	10056.81	9894.22	9929.24	10030.04	10273.25	10420.14
34	11943.30	11573.17	10960.46	10373.25	9956.95	9807.98	9856.33	9967.26	10212.20	10354.48
35	11870.14	11503.24	10883.52	10279.62	9857.28	9720.36	9780.60	9904.02	10149.17	10291.58
36	11790.49	11425.33	10805.28	10183.70	9753.72	9629.49	9704.11	9837.46	10083.44	10224.38
37	11710.31	11343.00	10728.09	10089.70	9651.96	9536.71	9624.11	9769.86	10018.70	10158.37
38	11623.39	11256.21	10644.02	9990.66	9547.64	9441.88	9541.65	9700.61	9950.31	10092.49
39	11533.41	11164.04	10557.04	9888.18	9443.50	9345.71	9458.78	9627.95	9882.02	10025.95
40	11441.59	11071.28	10465.64	9786.34	9334.61	9246.98	9370.88	9554.65	9812.37	9959.29
41	11341.72	10972.64	10367.85	9680.12	9228.52	9147.80	9283.06	9477.77	9740.73	9892.45
42	11240.24	10873.68	10262.60	9574.87	9116.26	9044.21	9191.94	9400.37	9666.41	9822.89
43	11131.47	10768.42	10153.84	9465.55	9000.80	8937.79	9098.50	9318.72	9587.52	9752.10
44	11022.89	10661.11	10039.83	9356.05	8887.89	8833.49	9005.05	9238.45	9508.31	9679.69
45	10911.92	10549.17	9921.19	9244.21	8768.74	8720.77	8908.14	9150.86	9420.64	9601.59
46	10795.72	10431.39	9793.96	9126.84	8651.38	8609.76	8811.58	9062.24	9330.29	9520.69
47	10677.46	10306.90	9657.37	9005.15	8529.24	8493.75	8709.36	8967.25	9234.54	9438.33
48	10552.68	10170.75	9509.09	8875.41	8409.49	8376.81	8604.50	8871.66	9135.52	9354.15
49	10418.34	10031.05	9347.04	8739.05	8282.85	8256.00	8492.45	8768.55	9031.99	9266.46
50	10274.17	9884.41	9182.53	8599.76	8155.41	8129.35	8377.07	8665.78	8922.33	9174.96
51	10104.30	9722.73	9003.09	8447.00	8025.59	8003.36	8257.00	8558.17	8809.23	9080.50
52	9922.58	9547.57	8810.98	8287.95	7889.87	7869.58	8128.30	8443.82	8686.05	8982.53
53	9712.00	9348.17	8607.19	8117.58	7747.23	7735.73	7993.48	8323.96	8548.43	8878.58

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**CANDELA TABULATION - (Cont.)**

54	9471.61	9123.98	8389.53	7943.34	7599.67	7596.08	7846.35	8191.23	8387.17	8764.84
55	9206.58	8867.80	8158.17	7756.30	7446.87	7452.71	7691.62	8042.86	8203.07	8632.65
56	8923.44	8579.70	7916.58	7563.06	7293.00	7301.03	7521.01	7869.80	8012.50	8478.51
57	8618.03	8257.35	7661.03	7363.41	7136.25	7143.13	7343.69	7670.85	7820.75	8294.91
58	8298.06	7912.41	7400.72	7152.05	6970.68	6978.18	7152.01	7447.86	7648.68	8086.57
59	7954.76	7550.29	7135.78	6939.07	6801.38	6808.26	6944.70	7220.15	7497.95	7876.18
60	7585.90	7174.19	6864.95	6715.11	6624.15	6630.58	6725.27	6988.97	7366.88	7666.57
61	7182.60	6798.59	6587.33	6484.22	6445.69	6450.62	6486.83	6764.63	7254.69	7469.04
62	6723.29	6414.38	6311.72	6242.98	6258.20	6263.47	6238.85	6543.17	7147.75	7269.09
63	6237.50	6022.02	6032.95	5997.93	6068.39	6067.07	5976.45	6334.05	7027.02	7073.36
64	5703.09	5621.17	5755.86	5749.18	5872.08	5862.17	5703.02	6127.66	6876.73	6865.23
65	5158.02	5202.49	5472.17	5504.99	5658.73	5648.12	5422.74	5896.03	6669.13	6627.47
66	4629.44	4768.45	5189.43	5254.84	5404.92	5428.91	5148.94	5635.55	6384.06	6347.39
67	4136.88	4312.45	4880.56	4991.86	5102.94	5190.94	4900.72	5352.40	6034.41	6017.64
68	3683.19	3852.92	4541.52	4701.57	4748.88	4922.27	4678.94	5052.62	5618.22	5640.37
69	3273.33	3385.69	4140.86	4369.33	4338.02	4612.28	4484.19	4734.33	5167.86	5251.24
70	2864.20	2905.77	3654.03	3984.15	3889.57	4263.49	4301.87	4407.22	4686.28	4878.41
71	2441.86	2411.26	3093.38	3525.04	3386.87	3869.45	4099.04	4049.62	4181.41	4509.28
72	1999.37	1957.78	2481.94	3000.10	2882.90	3440.44	3832.48	3671.90	3644.51	4132.92
73	1588.15	1570.36	1911.83	2436.86	2378.05	2958.01	3453.68	3224.21	3102.71	3696.08
74	1268.44	1242.37	1431.22	1905.49	1951.05	2431.84	2931.73	2724.28	2601.51	3185.25
75	1006.83	1000.52	1051.82	1453.45	1635.57	1884.03	2315.56	2193.99	2113.84	2618.57
76	810.37	801.21	773.90	1146.57	1387.14	1562.27	1795.46	1774.06	1760.31	2037.01
77	624.69	641.92	631.86	902.55	1138.47	1240.50	1275.36	1354.14	1406.79	1632.93
78	477.24	519.36	493.30	696.23	882.53	920.23	758.59	935.80	1054.32	1228.86
79	330.54	397.41	354.75	568.41	610.99	736.67	548.62	714.39	831.76	827.47
80	253.94	275.46	288.51	441.92	370.79	579.51	430.07	558.05	606.94	618.72
81	207.57	221.47	243.71	315.43	257.00	449.37	345.93	419.39	401.04	427.49
82	168.02	178.76	204.07	245.86	197.63	364.94	289.14	317.08	283.87	306.03
83	138.05	137.68	162.03	192.46	162.54	304.96	245.41	251.59	214.16	235.53
84	108.01	99.66	122.51	143.66	127.46	249.68	210.97	201.60	164.28	185.42
85	72.01	65.02	86.49	101.92	92.65	192.37	167.01	146.11	114.40	135.32
86	57.62	44.69	60.40	68.11	67.23	135.06	123.04	91.31	65.27	85.25
87	43.95	24.81	34.61	55.12	43.94	78.32	79.30	61.40	43.71	57.62
88	30.27	4.94	8.81	42.20	29.57	52.44	53.06	31.49	22.16	29.98
89	16.59	3.64	6.55	29.29	15.21	26.56	26.83	2.50	0.65	2.41
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 : MPLSEL40HTT5HV-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	11880.89	11880.89	11880.89	11880.89	11880.89	11880.89	11880.89
1	11859.22	11879.16	11900.64	11918.18	11929.33	11933.77	11929.16
2	11835.99	11875.60	11918.00	11951.41	11974.69	11983.66	11975.74
3	11811.71	11870.65	11932.07	11982.23	12017.18	12032.85	12022.48
4	11786.25	11861.94	11943.12	12010.33	12057.69	12080.19	12067.45
5	11760.08	11851.50	11951.24	12035.51	12097.24	12125.68	12110.42
6	11732.87	11838.83	11957.30	12060.57	12135.56	12171.64	12153.20
7	11704.83	11823.01	11959.90	12081.87	12173.17	12216.53	12194.26
8	11676.29	11804.91	11960.40	12100.74	12209.08	12261.80	12234.38
9	11646.10	11785.27	11958.51	12117.77	12241.65	12305.90	12275.54
10	11615.76	11764.42	11954.97	12131.72	12270.71	12347.19	12315.12
11	11585.54	11743.29	11951.51	12142.39	12295.62	12384.04	12352.72
12	11554.46	11720.15	11943.93	12151.32	12319.14	12415.77	12387.30
13	11523.75	11697.34	11935.62	12157.32	12339.95	12444.44	12419.37
14	11493.42	11673.11	11925.96	12159.64	12355.95	12470.80	12448.24
15	11462.40	11648.87	11913.23	12157.99	12368.58	12493.69	12472.96
16	11429.79	11625.02	11896.10	12152.28	12378.97	12512.80	12492.61
17	11397.61	11599.48	11876.52	12143.46	12385.22	12528.60	12509.07
18	11364.15	11572.17	11853.23	12130.86	12387.25	12539.59	12521.31
19	11331.12	11542.57	11826.11	12115.24	12384.74	12547.98	12529.51
20	11296.06	11509.75	11798.48	12094.19	12377.68	12551.73	12530.19
21	11258.80	11476.45	11766.01	12070.85	12364.05	12549.60	12524.26
22	11221.25	11442.12	11730.77	12044.81	12344.18	12541.26	12512.79
23	11179.94	11404.94	11693.98	12012.39	12319.14	12526.89	12494.03
24	11136.96	11365.35	11654.69	11976.13	12289.13	12504.79	12465.79
25	11089.48	11324.11	11612.23	11934.93	12252.63	12474.77	12431.23
26	11039.15	11280.11	11566.72	11888.87	12212.31	12440.45	12391.56
27	10985.69	11233.53	11518.19	11837.75	12166.31	12399.38	12346.61
28	10929.41	11184.58	11468.84	11782.89	12114.85	12353.44	12298.02
29	10871.74	11134.15	11416.97	11726.16	12062.46	12302.92	12245.82
30	10810.32	11080.48	11366.30	11667.41	12007.19	12250.04	12192.38
31	10745.54	11021.96	11310.80	11603.02	11950.26	12193.54	12137.44
32	10677.46	10959.48	11251.53	11536.20	11891.31	12137.30	12077.92
33	10611.76	10891.17	11178.07	11463.24	11828.57	12075.29	12013.06
34	10545.61	10821.02	11097.90	11384.31	11763.33	12009.63	11943.30
35	10480.64	10746.13	11012.31	11296.76	11694.88	11941.34	11870.14
36	10416.44	10661.96	10926.00	11209.94	11623.09	11866.71	11790.49

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-40000LM3K.IES**

**CANDELA TABULATION - (Cont.)**

37	10350.43	10574.63	10836.45	11122.90	11548.49	11790.09	11710.31
38	10276.62	10487.80	10747.22	11034.74	11473.21	11707.38	11623.39
39	10201.41	10403.11	10654.17	10944.23	11389.68	11618.97	11533.41
40	10122.69	10316.44	10558.35	10854.10	11305.18	11528.71	11441.59
41	10043.97	10230.20	10460.37	10757.37	11214.69	11431.79	11341.72
42	9961.35	10137.94	10361.48	10657.90	11120.74	11333.00	11240.24
43	9881.12	10046.32	10259.58	10556.85	11022.78	11225.44	11131.47
44	9800.21	9951.20	10152.73	10451.23	10918.68	11113.67	11022.89
45	9716.65	9852.81	10043.00	10341.11	10808.42	10996.94	10911.92
46	9634.23	9753.10	9927.80	10224.80	10689.35	10872.31	10795.72
47	9549.30	9649.01	9813.46	10103.27	10565.73	10744.93	10677.46
48	9462.91	9543.27	9692.13	9972.07	10429.26	10609.17	10552.68
49	9372.16	9431.03	9569.48	9835.48	10284.96	10464.76	10418.34
50	9281.30	9317.23	9443.90	9695.78	10135.10	10317.57	10274.17
51	9183.99	9197.85	9308.84	9544.70	9970.34	10155.38	10104.30
52	9081.75	9072.30	9171.14	9385.80	9797.66	9978.82	9922.58
53	8977.68	8939.79	9025.56	9222.03	9614.70	9778.48	9712.00
54	8869.29	8801.93	8873.78	9048.10	9422.25	9558.17	9471.61
55	8750.39	8654.32	8719.31	8869.91	9217.71	9311.33	9206.58
56	8623.68	8505.13	8559.40	8688.12	9002.49	9036.75	8923.44
57	8481.33	8351.41	8393.13	8500.06	8770.87	8735.74	8618.03
58	8325.60	8194.84	8223.90	8309.60	8523.42	8411.83	8298.06
59	8153.41	8030.45	8046.34	8106.52	8265.02	8077.84	7954.76
60	7963.65	7859.88	7867.53	7897.42	7984.76	7731.37	7585.90
61	7749.06	7678.91	7678.23	7672.89	7688.25	7385.12	7182.60
62	7492.51	7486.93	7487.47	7432.45	7368.36	7028.03	6723.29
63	7209.88	7285.73	7292.06	7178.36	7040.23	6661.56	6237.50
64	6884.73	7058.74	7100.48	6913.44	6705.39	6270.90	5703.09
65	6536.96	6824.01	6911.21	6646.95	6367.87	5849.80	5158.02
66	6172.20	6574.04	6726.35	6381.23	6045.73	5412.19	4629.44
67	5819.72	6322.43	6533.13	6110.38	5731.40	4953.45	4136.88
68	5490.79	6059.84	6308.63	5826.96	5440.54	4503.48	3683.19
69	5204.89	5773.97	6053.40	5532.23	5154.32	4053.51	3273.33
70	4962.72	5469.83	5760.47	5224.77	4841.45	3594.60	2864.20
71	4751.46	5148.67	5430.88	4901.02	4474.28	3108.71	2441.86
72	4544.43	4827.68	5050.63	4574.07	4008.72	2611.51	1999.37
73	4320.05	4479.08	4603.11	4208.49	3420.73	2120.29	1588.15
74	3983.17	4101.29	4034.87	3767.21	2736.68	1653.48	1268.44
75	3451.10	3634.63	3323.24	3155.92	2025.60	1269.16	1006.83
76	2762.55	3000.57	2648.38	2413.63	1421.16	981.20	810.37
77	2130.38	2268.11	2154.03	1731.58	989.99	779.53	624.69
78	1498.20	1803.41	1783.84	1289.52	729.68	615.11	477.24
79	870.54	1338.72	1413.53	961.90	591.68	471.56	330.54
80	569.66	879.39	956.66	711.44	456.04	328.41	253.94
81	423.27	608.77	711.38	553.98	320.39	247.85	207.57
82	317.96	408.40	467.20	397.00	239.14	194.26	168.02
83	237.36	299.99	223.03	240.03	188.72	151.62	138.05
84	194.68	228.85	163.91	179.59	150.94	112.44	108.01
85	151.99	180.83	121.89	124.25	113.41	74.88	72.01
86	109.31	132.81	90.77	82.95	71.53	51.70	57.62
87	68.66	85.05	62.61	57.07	57.65	28.53	43.95
88	45.95	56.84	50.56	31.33	43.95	5.37	30.27
89	23.25	28.63	38.58	5.59	30.25	3.67	16.59
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 : MPLSEL40HTT5HV-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 : MPLSEL40HTT5HV-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 : MPLSEL40HTT5HV-40000LM3K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4449.13	N.A.	11.10
0-30	9696.86	N.A.	24.30
0-40	16410.11	N.A.	41.10
0-60	31486.27	N.A.	78.90
0-80	39751.14	N.A.	99.60
0-90	39926.96	N.A.	100.00
10-90	38796.35	N.A.	97.20
20-40	11960.98	N.A.	30.00
20-50	19532.87	N.A.	48.90
40-70	20978.6	N.A.	52.50
60-80	8264.87	N.A.	20.70
70-80	2362.43	N.A.	5.90
80-90	175.83	N.A.	0.40
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	39926.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1130.62
10-20	3318.51
20-30	5247.73
30-40	6713.25
40-50	7571.89
50-60	7504.28
60-70	5902.44
70-80	2362.43
80-90	175.83
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 : MPLSEL40HTT5HV-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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	39	67	54	46	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-40000LM3K.IES**

**UGR TABLE - CORRECTED**

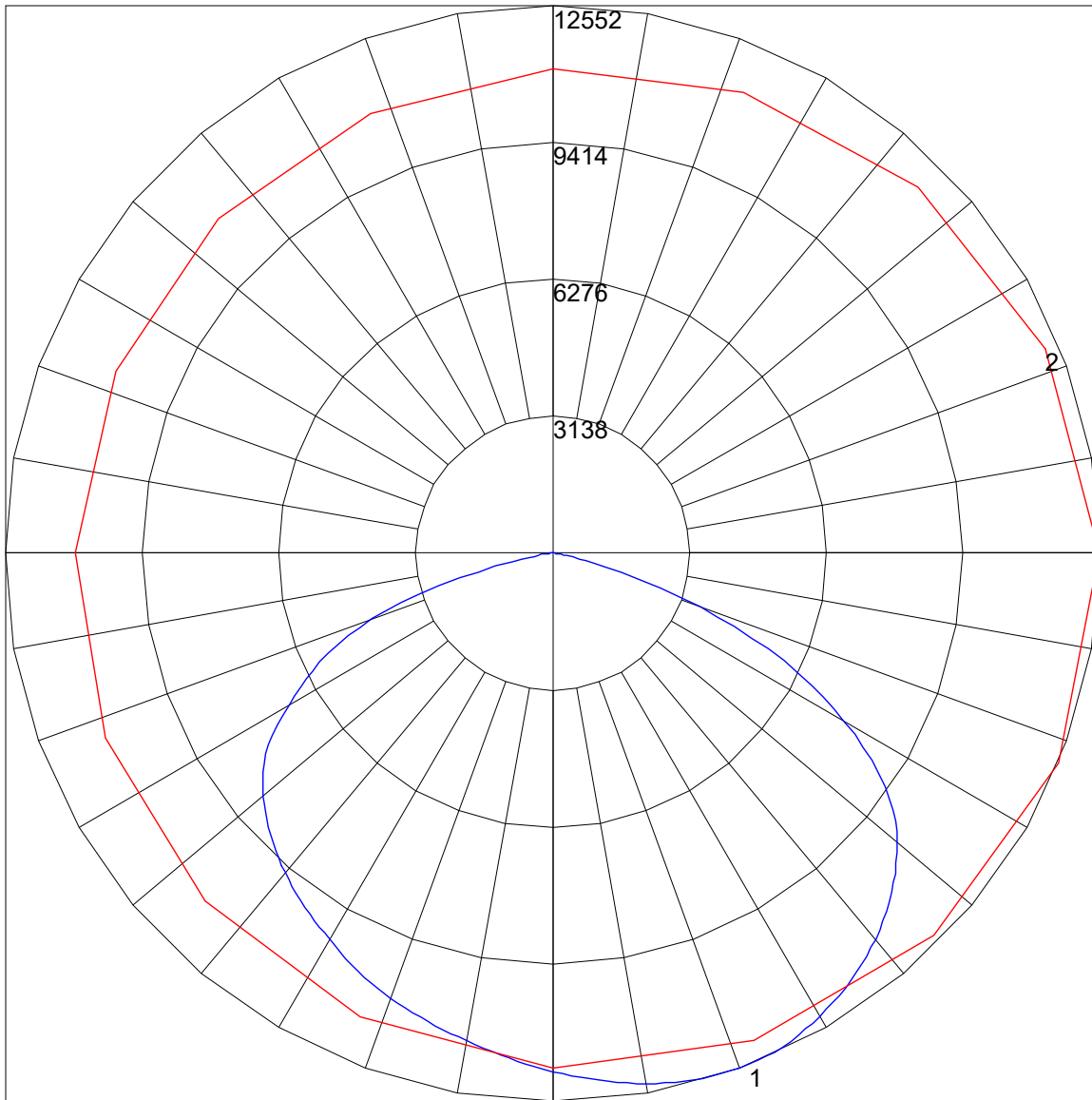
Reflectances

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	31.0	32.7	31.4	33.0	33.4	30.0	31.7	30.3	32.0	32.3
	3H	32.0	33.6	32.4	33.9	34.3	31.9	33.4	32.3	33.7	34.1
	4H	32.1	33.6	32.5	33.9	34.3	32.2	33.6	32.5	33.9	34.3
	6H	32.1	33.4	32.5	33.8	34.2	32.2	33.5	32.6	33.9	34.3
	8H	32.1	33.3	32.5	33.7	34.1	32.2	33.4	32.6	33.8	34.2
	12H	32.1	33.3	32.5	33.6	34.1	32.1	33.4	32.6	33.7	34.2
4H	2H	31.6	33.1	32.0	33.4	33.8	30.7	32.1	31.1	32.4	32.8
	3H	32.8	34.0	33.2	34.4	34.8	32.7	33.9	33.1	34.3	34.7
	4H	32.9	34.0	33.3	34.4	34.8	33.0	34.1	33.4	34.5	34.9
	6H	32.9	33.8	33.4	34.3	34.7	33.1	34.0	33.5	34.5	34.9
	8H	32.9	33.8	33.3	34.2	34.7	33.1	33.9	33.5	34.4	34.8
	12H	32.9	33.6	33.3	34.1	34.6	33.0	33.8	33.5	34.3	34.8
8H	4H	33.0	33.9	33.5	34.3	34.8	33.1	34.0	33.6	34.4	34.9
	6H	33.0	33.7	33.5	34.2	34.7	33.2	33.9	33.7	34.4	34.9
	8H	33.0	33.6	33.5	34.1	34.6	33.2	33.8	33.7	34.3	34.8
	12H	33.0	33.5	33.5	34.0	34.6	33.2	33.7	33.7	34.2	34.8
12H	4H	33.0	33.8	33.5	34.3	34.7	33.1	33.9	33.6	34.4	34.8
	6H	33.0	33.7	33.5	34.1	34.7	33.2	33.8	33.7	34.3	34.8
	8H	33.0	33.6	33.5	34.0	34.6	33.2	33.7	33.7	34.2	34.8

Maximum UGR = 34.9

POLAR GRAPH



Maximum Candela = 12551.73 Located At Horizontal Angle = 337.5, Vertical Angle = 20  
# 1 - Vertical Plane Through Horizontal Angles (337.5 - 157.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)