

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM5K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-50025E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-02
[ISSUE DATE] 2022-12-02 19:08:06
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT3HV-40000LM5K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	40963
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	295.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.60
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	120104	164795	201175
55	95360	179428	250496
65	48630	200700	347369
75	23958	55919	431948
85	16665	14780	154339

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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	11471.70	11471.70	11471.70	11471.70	11471.70	11471.70	11471.70	11471.70	11471.70	11471.70
1	11509.71	11507.69	11501.66	11489.72	11474.83	11460.36	11443.14	11431.10	11426.04	11428.55
2	11537.88	11535.86	11527.45	11508.71	11482.08	11450.55	11412.32	11383.62	11371.68	11376.87
3	11559.62	11558.39	11551.41	11528.16	11490.19	11442.53	11380.09	11328.80	11307.96	11318.19
4	11574.30	11574.58	11571.51	11546.83	11497.69	11432.29	11345.42	11272.87	11241.33	11255.07
5	11583.59	11587.02	11588.47	11562.88	11504.37	11419.91	11307.54	11210.27	11166.64	11187.92
6	11586.55	11593.62	11600.43	11575.28	11510.63	11405.79	11266.85	11144.62	11085.94	11116.10
7	11587.18	11597.80	11608.33	11587.57	11520.70	11392.60	11223.38	11072.75	11001.78	11038.63
8	11585.30	11600.01	11614.00	11601.76	11530.91	11380.51	11175.30	11000.67	10915.80	10963.40
9	11577.82	11598.77	11620.88	11616.37	11541.94	11368.00	11126.27	10924.78	10827.14	10883.44
10	11565.42	11592.93	11627.87	11631.42	11553.23	11355.37	11076.97	10843.41	10732.21	10801.62
11	11546.48	11582.62	11634.46	11644.23	11565.82	11341.71	11025.37	10758.13	10634.87	10715.83
12	11519.10	11564.54	11639.20	11658.99	11582.59	11330.52	10973.74	10671.03	10532.54	10628.05
13	11483.05	11540.83	11641.41	11677.58	11600.07	11320.28	10919.85	10579.28	10427.06	10536.92
14	11439.20	11510.87	11641.02	11696.44	11616.68	11310.73	10866.30	10487.16	10316.78	10443.16
15	11384.96	11470.75	11636.87	11713.62	11632.64	11302.66	10810.83	10390.00	10206.62	10346.83
16	11323.40	11423.44	11629.78	11730.66	11651.89	11294.98	10753.57	10292.06	10093.52	10245.98
17	11254.29	11372.58	11619.25	11747.76	11670.71	11288.57	10698.57	10189.43	9976.37	10144.17
18	11177.22	11312.88	11604.97	11763.76	11686.59	11284.52	10641.17	10087.42	9859.32	10041.84
19	11096.73	11248.63	11584.78	11777.13	11703.77	11279.50	10586.73	9978.61	9735.85	9932.72
20	11009.49	11178.33	11557.31	11790.56	11719.77	11271.85	10531.19	9869.53	9610.65	9823.71
21	10915.34	11103.69	11527.16	11802.14	11736.45	11266.91	10477.53	9757.09	9484.49	9709.11
22	10817.58	11021.45	11491.10	11811.69	11754.46	11261.31	10424.60	9645.95	9354.85	9596.81
23	10708.91	10935.35	11451.53	11818.53	11771.08	11256.35	10368.21	9532.79	9222.56	9477.13
24	10595.75	10844.46	11408.16	11822.20	11786.40	11252.20	10313.88	9416.87	9087.56	9355.37
25	10471.45	10748.27	11362.06	11823.56	11801.06	11247.50	10257.07	9300.01	8956.31	9236.06
26	10342.22	10645.50	11315.79	11822.51	11816.73	11240.19	10198.58	9176.35	8818.34	9111.23
27	10205.86	10536.44	11266.77	11821.23	11832.58	11233.80	10140.17	9052.69	8681.34	8989.17
28	10062.66	10419.78	11213.63	11821.23	11847.11	11226.08	10082.30	8930.11	8546.02	8865.41
29	9911.68	10294.01	11156.73	11819.35	11859.50	11218.84	10026.12	8807.86	8405.53	8743.21
30	9755.03	10161.58	11097.23	11814.46	11871.93	11210.88	9970.56	8685.57	8264.23	8619.73
31	9600.20	10025.51	11034.99	11809.83	11885.04	11202.11	9913.72	8560.94	8121.25	8494.55
32	9435.05	9884.75	10970.15	11804.04	11894.94	11192.41	9851.38	8431.28	7972.43	8360.93
33	9271.48	9738.08	10900.42	11794.89	11902.06	11180.68	9788.84	8300.34	7817.08	8222.21
34	9103.53	9589.18	10824.72	11786.71	11908.19	11167.96	9726.55	8166.80	7658.21	8082.07
35	8936.75	9441.80	10748.41	11775.85	11915.25	11152.03	9664.80	8029.83	7485.00	7934.66
36	8770.33	9293.18	10667.87	11760.37	11920.69	11134.40	9603.72	7887.45	7304.39	7778.56
37	8603.78	9146.03	10585.39	11744.38	11925.78	11114.37	9538.60	7737.49	7123.83	7617.39
38	8433.65	8990.89	10497.61	11724.42	11929.95	11094.00	9470.80	7575.42	6938.68	7448.86
39	8258.34	8830.84	10404.78	11704.28	11935.92	11074.33	9400.62	7407.57	6755.69	7281.52
40	8078.11	8673.10	10310.46	11681.50	11941.96	11054.16	9329.27	7231.70	6567.00	7107.79
41	7897.50	8512.85	10212.27	11654.11	11949.38	11032.85	9260.33	7044.62	6374.39	6934.26
42	7712.97	8352.15	10111.26	11626.62	11957.88	11009.74	9187.80	6843.14	6166.97	6750.29
43	7520.64	8188.70	10009.04	11593.63	11961.99	10984.45	9112.25	6635.89	5957.32	6559.74
44	7327.96	8021.91	9901.09	11560.00	11960.46	10959.15	9033.05	6422.48	5753.90	6359.81
45	7136.85	7854.31	9792.50	11527.18	11954.23	10932.43	8948.28	6196.85	5552.54	6148.37
46	6942.33	7678.96	9675.50	11493.83	11948.47	10905.76	8862.34	5969.34	5352.56	5930.70
47	6753.74	7495.45	9559.61	11459.42	11946.92	10874.66	8773.33	5735.23	5150.30	5697.58
48	6553.22	7302.83	9440.47	11417.49	11951.30	10829.91	8680.98	5495.52	4948.10	5465.94
49	6338.67	7097.00	9319.36	11359.33	11958.82	10771.57	8573.96	5250.81	4738.94	5234.82
50	6102.30	6880.90	9204.31	11298.33	11967.29	10714.52	8468.40	5007.78	4533.88	5010.68
51	5839.44	6643.14	9087.82	11229.32	11980.81	10669.77	8357.85	4769.43	4331.75	4785.65
52	5549.33	6376.82	8969.61	11158.77	11996.98	10626.91	8231.00	4526.40	4132.98	4557.67
53	5233.31	6073.38	8855.49	11081.82	12017.12	10584.03	8097.99	4296.46	3943.03	4330.57

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CANDELA TABULATION - (Cont.)

54	4919.93	5729.31	8747.88	10999.26	12042.35	10541.84	7947.19	4069.29	3760.85	4106.42
55	4596.46	5349.36	8648.61	10914.38	12074.12	10501.30	7780.57	3851.47	3584.34	3880.43
56	4276.25	4945.03	8561.20	10827.72	12103.84	10461.08	7589.71	3643.07	3405.79	3661.53
57	3974.93	4531.62	8484.58	10735.32	12132.20	10425.06	7356.61	3445.48	3213.98	3453.76
58	3671.76	4128.07	8418.93	10636.79	12152.74	10389.89	7084.18	3248.51	3011.37	3249.15
59	3363.36	3737.24	8357.11	10527.98	12172.96	10356.66	6768.40	3045.02	2805.13	3041.31
60	3058.57	3376.60	8290.39	10410.67	12191.88	10318.26	6415.60	2833.96	2594.30	2826.55
61	2751.94	3031.63	8203.55	10286.07	12214.40	10283.55	6018.58	2607.37	2374.43	2606.81
62	2456.53	2705.58	8065.60	10155.26	12242.33	10256.32	5573.68	2386.28	2157.41	2389.46
63	2189.46	2409.95	7863.92	10032.83	12272.51	10244.40	5102.81	2163.12	1959.28	2179.04
64	1943.04	2134.74	7564.24	9918.13	12304.22	10241.17	4604.63	1949.92	1784.48	1970.61
65	1727.08	1882.68	7127.85	9823.21	12336.80	10255.89	4113.23	1749.18	1624.41	1779.37
66	1541.16	1655.82	6539.54	9755.78	12362.13	10290.26	3624.52	1566.61	1478.49	1600.94
67	1375.58	1459.52	5783.16	9729.34	12373.21	10357.07	3141.29	1426.88	1342.08	1457.53
68	1222.08	1287.59	4961.72	9757.07	12353.06	10448.81	2645.69	1287.16	1205.67	1314.11
69	1080.29	1136.00	4121.11	9822.52	12268.88	10547.90	2201.02	1147.51	1069.27	1170.71
70	951.49	999.62	3316.23	9929.01	12090.86	10622.03	1826.71	1032.29	963.36	1046.46
71	843.47	873.05	2675.26	10046.43	11818.15	10617.44	1549.64	919.82	875.90	934.89
72	747.81	766.17	2154.10	10158.75	11447.84	10528.22	1342.64	815.21	799.17	832.16
73	653.20	676.00	1774.72	10265.63	10910.04	10365.45	1135.94	715.34	727.59	733.64
74	586.92	605.55	1473.47	10363.33	10224.89	10163.67	953.93	623.70	665.56	640.87
75	521.08	535.40	1216.24	10420.03	9394.89	9893.75	783.92	541.93	614.86	559.90
76	455.24	465.25	941.64	10384.38	8476.06	9525.80	627.09	474.60	566.77	491.30
77	410.87	413.00	665.30	10113.16	7477.69	9090.35	503.19	417.58	513.75	430.98
78	368.80	365.26	547.33	9421.59	6344.52	8578.35	414.07	366.06	451.95	377.01
79	329.46	321.10	431.18	8350.42	5143.49	7686.06	347.18	318.29	401.40	327.12
80	295.93	277.58	315.04	6974.93	3924.36	6339.06	291.39	272.52	355.07	280.15
81	261.10	236.19	264.48	5542.34	2841.88	4834.34	241.79	230.32	309.60	237.06
82	226.03	198.70	220.45	4239.54	2070.62	3546.08	199.31	194.03	263.02	199.82
83	189.43	165.09	179.68	3237.38	1756.39	2559.06	164.09	162.18	214.68	166.68
84	154.96	133.10	142.66	2436.01	1442.16	1966.20	128.87	130.33	171.61	133.54
85	122.06	103.24	108.25	1798.92	1130.41	1373.35	93.78	98.26	128.55	100.12
86	89.82	75.24	78.95	1286.80	933.68	790.21	65.51	54.54	85.49	53.98
87	57.27	52.00	55.82	893.27	680.59	478.96	44.36	36.57	42.42	36.03
88	31.21	28.91	32.70	529.74	462.94	359.06	23.20	18.60	0.40	18.08
89	5.39	5.82	9.57	353.05	245.30	239.17	2.54	1.02	0.45	0.57
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 : MPLSEL40HTT3HV-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. 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	11471.70	11471.70	11471.70	11471.70	11471.70	11471.70	11471.70
1	11437.37	11452.34	11468.89	11483.33	11495.53	11504.19	11509.71
2	11400.22	11434.12	11468.46	11495.97	11515.82	11530.21	11537.88
3	11358.05	11415.83	11468.25	11507.80	11532.30	11549.55	11559.62
4	11314.75	11399.47	11471.75	11520.07	11545.01	11562.52	11574.30
5	11271.60	11382.98	11477.20	11532.60	11555.66	11571.34	11583.59
6	11225.26	11367.90	11485.93	11546.54	11566.62	11576.37	11586.55
7	11179.25	11353.54	11494.63	11559.98	11575.16	11578.67	11587.18
8	11129.22	11337.47	11501.96	11572.25	11583.29	11578.93	11585.30
9	11079.07	11319.42	11508.18	11582.01	11589.94	11576.66	11577.82
10	11026.94	11300.44	11511.63	11589.88	11594.23	11569.17	11565.42
11	10973.40	11280.93	11515.62	11595.23	11597.02	11555.75	11546.48
12	10916.79	11262.11	11522.70	11600.89	11596.47	11537.65	11519.10
13	10858.55	11247.51	11534.34	11608.32	11591.06	11511.70	11483.05
14	10801.18	11233.74	11545.60	11619.12	11583.42	11479.82	11439.20
15	10744.80	11220.50	11555.88	11631.58	11571.19	11441.30	11384.96
16	10688.64	11209.29	11567.30	11644.53	11554.61	11396.30	11323.40
17	10630.45	11196.95	11577.57	11655.85	11537.45	11342.54	11254.29
18	10574.26	11183.47	11588.18	11667.09	11516.92	11283.53	11177.22
19	10516.71	11169.92	11598.94	11674.40	11494.73	11216.48	11096.73
20	10457.42	11158.83	11610.00	11682.27	11467.24	11145.63	11009.49
21	10398.52	11147.62	11620.41	11689.26	11435.97	11069.66	10915.34
22	10337.63	11135.10	11632.29	11693.09	11401.40	10986.54	10817.58
23	10272.70	11122.98	11644.52	11694.41	11361.75	10899.97	10708.91
24	10210.32	11113.15	11657.28	11697.93	11316.65	10806.57	10595.75
25	10146.62	11104.14	11668.76	11699.08	11269.39	10708.20	10471.45
26	10084.13	11092.45	11681.06	11698.67	11220.41	10606.67	10342.22
27	10021.05	11080.41	11695.26	11698.04	11168.33	10498.05	10205.86
28	9957.81	11068.79	11707.20	11698.04	11113.58	10383.94	10062.66
29	9891.08	11059.41	11718.27	11696.59	11055.30	10261.91	9911.68
30	9822.48	11052.30	11729.79	11693.00	10993.72	10137.18	9755.03
31	9752.56	11044.25	11737.75	11689.63	10931.17	10008.46	9600.20
32	9680.98	11032.62	11744.40	11690.42	10867.05	9875.41	9435.05
33	9609.55	11019.53	11749.71	11686.23	10802.19	9736.90	9271.48
34	9541.78	11004.70	11755.32	11680.42	10732.10	9596.65	9103.53
35	9474.20	10988.82	11761.25	11673.21	10657.31	9455.99	8936.75
36	9405.23	10971.12	11765.49	11666.44	10579.72	9310.90	8770.33

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	9334.28	10957.17	11772.86	11652.51	10502.09	9164.73	8603.78
38	9262.91	10941.83	11782.34	11634.41	10418.36	9013.50	8433.65
39	9190.70	10921.82	11794.97	11616.71	10329.19	8857.15	8258.34
40	9116.53	10899.71	11814.69	11598.13	10235.19	8703.49	8078.11
41	9042.04	10875.48	11840.64	11577.24	10138.80	8544.91	7897.50
42	8967.47	10845.95	11870.26	11554.18	10037.94	8388.89	7712.97
43	8893.19	10814.59	11905.66	11529.94	9931.68	8231.61	7520.64
44	8813.62	10787.95	11934.17	11503.41	9823.94	8069.36	7327.96
45	8730.77	10769.13	11945.75	11477.96	9711.13	7905.50	7136.85
46	8646.05	10757.91	11933.09	11455.17	9601.00	7730.97	6942.33
47	8560.38	10753.62	11917.39	11441.45	9489.06	7552.04	6753.74
48	8469.94	10749.13	11916.02	11426.95	9375.28	7361.11	6553.22
49	8376.22	10722.22	11928.64	11393.54	9258.34	7155.08	6338.67
50	8271.90	10679.30	11949.92	11330.34	9147.33	6941.88	6102.30
51	8155.52	10642.80	11977.49	11269.06	9032.01	6705.96	5839.44
52	8013.38	10619.92	12013.15	11215.63	8921.06	6447.77	5549.33
53	7861.66	10601.82	12052.17	11171.14	8816.49	6164.56	5233.31
54	7687.38	10582.97	12093.15	11122.27	8721.41	5850.92	4919.93
55	7493.26	10566.57	12141.18	11076.94	8634.95	5499.24	4596.46
56	7282.79	10554.33	12193.05	11027.56	8563.95	5135.80	4276.25
57	7032.13	10540.28	12242.60	10973.33	8506.64	4755.44	3974.93
58	6740.09	10524.39	12290.43	10914.36	8463.70	4366.54	3671.76
59	6397.25	10502.95	12337.66	10848.35	8427.88	3988.32	3363.36
60	6015.25	10482.01	12390.24	10773.21	8396.54	3619.10	3058.57
61	5593.04	10458.99	12443.14	10693.79	8345.27	3253.65	2751.94
62	5117.80	10432.08	12496.17	10608.95	8257.77	2885.40	2456.53
63	4628.30	10407.45	12551.07	10522.20	8115.68	2538.52	2189.46
64	4118.96	10381.35	12602.57	10437.06	7895.44	2229.11	1943.04
65	3631.93	10360.01	12638.41	10349.58	7557.94	1952.38	1727.08
66	3129.89	10354.76	12674.24	10258.08	7069.73	1717.17	1541.16
67	2644.41	10371.61	12710.07	10185.89	6377.74	1514.46	1375.58
68	2201.56	10409.16	12714.82	10138.41	5568.33	1334.54	1222.08
69	1830.54	10466.39	12657.15	10097.19	4703.50	1172.71	1080.29
70	1584.67	10508.98	12512.95	10045.66	3845.59	1025.61	951.49
71	1338.80	10497.49	12302.77	9965.81	3066.02	891.96	843.47
72	1093.17	10447.15	12010.39	9856.54	2484.14	777.14	747.81
73	907.83	10343.34	11593.64	9715.88	2055.01	680.07	653.20
74	757.24	10156.18	11019.91	9561.65	1689.80	606.18	586.92
75	642.50	9891.75	10302.72	9453.38	1371.92	532.72	521.08
76	553.46	9544.53	9488.65	9412.06	1100.55	459.26	455.24
77	474.94	9060.51	8594.22	9349.01	839.72	407.96	410.87
78	403.84	8392.66	7537.39	9164.78	613.64	362.22	368.80
79	343.51	7471.69	6391.26	8747.29	504.24	318.29	329.46
80	290.58	6064.63	5152.41	8018.80	396.16	274.82	295.93
81	242.95	4471.49	3913.30	6890.44	288.07	234.28	261.10
82	201.39	3180.48	2674.20	5558.27	238.83	195.68	226.03
83	166.25	2283.17	1988.88	4379.70	196.49	161.79	189.43
84	131.12	1777.07	1626.43	3361.77	156.24	130.77	154.96
85	96.09	1270.97	1408.15	2494.21	119.56	102.24	122.06
86	67.54	771.92	1185.63	1768.62	86.98	75.02	89.82
87	45.76	488.49	903.74	1225.34	56.92	52.06	57.27
88	23.98	366.09	574.02	698.84	33.98	29.10	31.21
89	2.64	243.69	428.83	463.33	11.05	6.14	5.39
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 : MPLSEL40HTT3HV-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 : MPLSEL40HTT3HV-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 : MPLSEL40HTT3HV-40000LM5K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4252.69	N.A.	10.40
0-30	9210.51	N.A.	22.50
0-40	15518.94	N.A.	37.90
0-60	29662.56	N.A.	72.40
0-80	40048.52	N.A.	97.80
0-90	40963.19	N.A.	100.00
10-90	39875.05	N.A.	97.30
20-40	11266.25	N.A.	27.50
20-50	18339.56	N.A.	44.80
40-70	20246.55	N.A.	49.40
60-80	10385.96	N.A.	25.40
70-80	4283.03	N.A.	10.50
80-90	914.67	N.A.	2.20
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	40963.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1088.14
10-20	3164.55
20-30	4957.82
30-40	6308.43
40-50	7073.31
50-60	7070.31
60-70	6102.93
70-80	4283.03
80-90	914.67
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 : MPLSEL40HTT3HV-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	83	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	74	66	60	71	64	58	69	62	57	66	61	56	54
4	80	67	57	50	77	65	57	50	63	55	49	60	54	48	58	52	48	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	43	37	65	52	43	36	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29
8	58	43	34	28	56	43	34	28	41	34	28	40	33	28	39	32	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	29	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 : MPLSEL40HTT3HV-40000LM5K.IES

UGR TABLE - CORRECTED

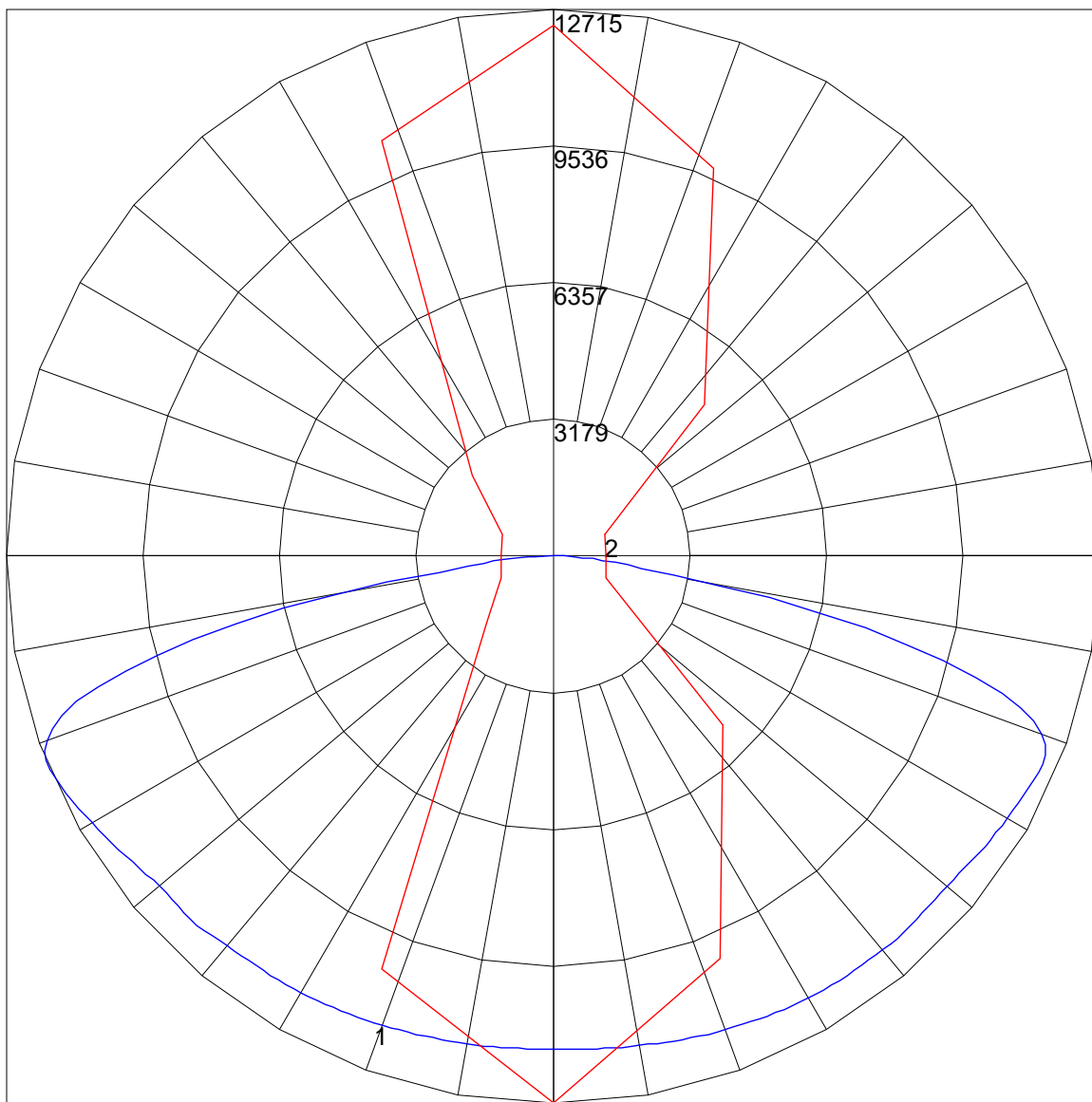
Reflectances

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	26.3	28.0	26.7	28.3	28.7	32.8	34.5	33.1	34.8	35.1
	3H	26.7	28.2	27.0	28.6	28.9	36.6	38.1	36.9	38.5	38.8
	4H	26.7	28.2	27.1	28.6	28.9	38.2	39.7	38.6	40.0	40.4
	6H	26.8	28.1	27.2	28.5	28.9	39.1	40.5	39.5	40.9	41.2
	8H	26.7	28.1	27.2	28.5	28.9	39.2	40.5	39.6	40.9	41.3
	12H	26.7	28.0	27.2	28.4	28.8	39.2	40.5	39.7	40.9	41.3
4H	2H	29.2	30.7	29.6	31.0	31.4	33.0	34.5	33.4	34.9	35.3
	3H	29.5	30.8	29.9	31.2	31.6	37.1	38.3	37.5	38.7	39.1
	4H	29.5	30.7	30.0	31.1	31.5	39.2	40.4	39.6	40.8	41.2
	6H	29.6	30.6	30.0	31.0	31.5	40.5	41.5	40.9	41.9	42.4
	8H	29.6	30.5	30.0	30.9	31.4	40.6	41.6	41.1	42.0	42.5
	12H	29.6	30.4	30.0	30.9	31.4	40.7	41.6	41.2	42.0	42.5
8H	4H	31.1	32.1	31.6	32.5	33.0	39.2	40.2	39.7	40.6	41.1
	6H	31.1	31.9	31.6	32.4	32.9	40.7	41.5	41.2	42.0	42.5
	8H	31.1	31.8	31.6	32.3	32.8	41.0	41.7	41.5	42.2	42.7
	12H	31.1	31.7	31.6	32.2	32.8	41.1	41.7	41.6	42.2	42.8
12H	4H	32.0	32.9	32.5	33.3	33.8	39.2	40.1	39.7	40.5	41.0
	6H	32.0	32.7	32.5	33.2	33.7	40.7	41.4	41.2	41.9	42.4
	8H	32.0	32.6	32.5	33.1	33.7	41.0	41.6	41.5	42.1	42.6

Maximum UGR = 42.8

POLAR GRAPH



Maximum Candela = 12714.82 Located At Horizontal Angle = 270, Vertical Angle = 68
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (68) (Through Max. Cd.)