

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT5-34000LM4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-50022E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-11-29
[ISSUEDATE] 2022-11-29 16:41:19
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT5-34000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	35862
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	245.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.62
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	161416	156027	146694
55	174610	164389	154478
65	155043	149612	150821
75	55158	49515	69050
85	10695	12461	11586

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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	9936.40	9936.40	9936.40	9936.40	9936.40	9936.40	9936.40	9936.40	9936.40	9936.40
1	9969.32	9971.25	9966.36	9958.38	9940.95	9928.66	9916.24	9903.48	9902.41	9900.43
2	10006.16	10005.21	9995.21	9977.52	9949.97	9921.55	9895.35	9871.06	9866.76	9862.54
3	10044.05	10040.59	10024.98	10001.56	9956.85	9914.69	9873.44	9841.61	9829.15	9826.68
4	10080.76	10074.94	10055.08	10020.56	9964.49	9907.93	9852.98	9810.18	9792.15	9788.39
5	10113.48	10110.48	10085.00	10041.65	9970.75	9898.76	9831.87	9778.45	9756.25	9757.77
6	10150.60	10142.87	10112.99	10059.96	9976.37	9890.97	9807.90	9748.87	9720.66	9722.37
7	10188.19	10177.31	10142.90	10080.91	9981.70	9881.89	9784.42	9718.19	9689.77	9686.19
8	10222.88	10210.04	10169.61	10098.15	9985.11	9868.36	9764.23	9689.71	9657.09	9655.35
9	10257.69	10244.90	10191.15	10115.32	9984.97	9857.86	9744.78	9660.72	9624.83	9623.60
10	10292.64	10278.65	10214.20	10129.48	9988.04	9848.08	9726.53	9635.89	9591.26	9592.44
11	10326.76	10311.91	10234.48	10138.80	9991.56	9841.21	9710.44	9610.17	9559.68	9563.01
12	10361.06	10340.60	10253.21	10149.04	9994.78	9831.30	9695.62	9588.71	9533.05	9532.45
13	10393.47	10369.43	10270.59	10155.98	9994.09	9822.90	9679.22	9567.20	9499.67	9503.46
14	10424.68	10394.19	10286.09	10163.93	9990.98	9816.52	9661.15	9542.31	9470.93	9473.71
15	10454.51	10416.39	10299.10	10167.60	9988.41	9804.98	9641.45	9518.78	9440.45	9446.18
16	10482.17	10436.00	10305.67	10169.36	9981.99	9792.97	9623.25	9492.78	9414.28	9418.11
17	10505.97	10454.08	10315.42	10173.24	9976.31	9779.60	9605.95	9464.94	9382.91	9387.49
18	10524.54	10466.52	10320.37	10167.80	9967.09	9767.38	9584.45	9439.24	9351.99	9354.52
19	10544.21	10475.24	10319.64	10163.33	9957.96	9751.97	9560.94	9408.29	9323.94	9324.54
20	10555.61	10481.66	10313.10	10153.27	9948.96	9734.13	9538.17	9376.25	9295.21	9292.01
21	10563.33	10481.10	10304.59	10137.97	9935.95	9713.59	9510.92	9340.85	9262.59	9260.58
22	10566.90	10477.17	10288.79	10126.53	9918.59	9692.14	9480.57	9306.20	9227.61	9229.02
23	10560.36	10464.69	10272.30	10107.24	9902.12	9667.71	9446.80	9265.09	9191.13	9198.46
24	10549.74	10445.82	10252.40	10084.64	9881.15	9641.35	9412.46	9225.58	9153.24	9162.45
25	10537.70	10423.63	10229.09	10060.07	9857.95	9614.33	9373.80	9183.74	9113.52	9123.59
26	10514.80	10399.47	10207.81	10033.16	9828.03	9584.76	9336.43	9139.71	9070.75	9083.76
27	10493.21	10372.50	10183.09	10004.47	9797.61	9554.52	9298.64	9096.45	9022.80	9043.62
28	10466.48	10347.72	10154.59	9972.26	9766.73	9521.94	9263.85	9052.62	8979.34	8998.90
29	10443.58	10317.72	10122.49	9936.16	9727.06	9489.16	9225.88	9010.05	8932.56	8953.46
30	10415.46	10285.27	10089.43	9898.92	9690.45	9450.69	9191.27	8964.75	8888.66	8910.22
31	10387.04	10250.35	10056.43	9858.10	9646.15	9412.88	9152.93	8921.91	8845.03	8867.63
32	10356.99	10212.47	10020.52	9817.65	9597.11	9371.61	9111.52	8878.48	8806.84	8825.67
33	10327.76	10179.79	9981.37	9773.75	9552.65	9327.73	9069.67	8837.19	8767.98	8786.22
34	10292.72	10138.00	9939.43	9724.79	9496.89	9284.38	9025.55	8792.76	8728.70	8743.45
35	10249.56	10095.04	9895.75	9674.57	9446.34	9237.88	8982.87	8749.57	8689.41	8706.07
36	10201.49	10049.54	9849.79	9617.67	9387.05	9185.56	8934.33	8703.30	8652.14	8662.55
37	10153.94	10002.81	9803.26	9559.89	9324.68	9130.74	8883.92	8656.74	8610.23	8618.86
38	10100.34	9953.22	9750.94	9502.63	9259.07	9074.05	8833.12	8611.24	8564.62	8575.94
39	10040.38	9893.57	9694.23	9438.18	9190.09	9012.36	8780.48	8562.28	8519.16	8533.75
40	9980.02	9835.14	9636.16	9374.47	9115.88	8945.64	8722.50	8512.08	8467.71	8486.90
41	9911.02	9775.05	9571.92	9303.95	9040.05	8881.58	8667.31	8462.11	8418.24	8440.00
42	9838.41	9709.71	9504.38	9228.79	8961.59	8808.09	8609.55	8405.33	8363.84	8390.86
43	9759.08	9636.35	9432.06	9150.55	8882.67	8730.57	8547.75	8349.33	8309.79	8340.87
44	9676.85	9557.67	9356.43	9068.39	8801.47	8651.99	8485.09	8293.24	8249.55	8286.84
45	9591.68	9477.84	9271.48	8978.07	8716.90	8568.13	8417.93	8230.69	8187.32	8231.42
46	9502.80	9391.44	9182.43	8887.44	8629.38	8481.54	8349.70	8169.16	8126.14	8173.73
47	9413.23	9299.55	9082.26	8789.86	8532.55	8389.87	8277.66	8104.81	8060.19	8113.22
48	9322.49	9197.90	8976.33	8686.08	8433.82	8290.89	8197.51	8040.59	7990.82	8049.76
49	9224.26	9090.41	8855.36	8579.64	8323.61	8190.23	8116.67	7972.16	7913.69	7980.84
50	9128.65	8979.62	8730.55	8474.15	8210.76	8087.00	8026.19	7900.73	7831.20	7911.09
51	9024.51	8854.42	8594.76	8357.87	8088.35	7982.40	7930.96	7819.98	7739.26	7835.95
52	8909.17	8723.48	8446.61	8232.78	7953.03	7870.70	7821.75	7731.45	7632.35	7754.99
53	8770.79	8580.03	8284.18	8095.98	7792.86	7750.58	7709.04	7633.66	7515.16	7660.92

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CANDELA TABULATION - (Cont.)

54	8608.38	8418.57	8110.25	7943.30	7622.68	7621.45	7586.67	7516.89	7382.50	7550.56
55	8416.35	8234.23	7923.69	7772.86	7445.97	7471.92	7455.01	7381.86	7241.68	7426.63
56	8202.99	8020.65	7721.89	7570.44	7266.97	7303.99	7313.49	7234.72	7100.05	7289.75
57	7969.73	7774.37	7508.35	7348.89	7087.87	7125.18	7160.42	7066.96	6961.77	7138.18
58	7722.10	7503.85	7280.01	7107.48	6896.84	6930.00	6993.86	6883.87	6833.94	6984.47
59	7465.65	7208.53	7041.97	6865.82	6699.80	6730.67	6809.20	6698.69	6710.65	6833.04
60	7198.11	6907.74	6784.98	6609.42	6498.77	6524.07	6597.49	6511.11	6600.93	6683.55
61	6925.91	6593.48	6519.14	6349.18	6295.06	6310.42	6359.01	6316.57	6482.51	6539.73
62	6629.02	6277.36	6231.78	6080.70	6092.28	6084.20	6084.26	6112.95	6357.17	6394.25
63	6308.08	5957.60	5938.33	5807.87	5877.48	5860.36	5788.69	5901.37	6209.96	6243.95
64	5933.96	5630.69	5623.98	5535.01	5628.95	5629.27	5480.46	5668.75	6022.25	6069.19
65	5506.36	5275.87	5313.47	5258.34	5356.42	5376.59	5180.25	5419.34	5775.85	5862.55
66	5042.24	4894.24	5001.38	4974.08	5048.62	5100.14	4886.09	5156.96	5486.67	5615.49
67	4553.98	4481.36	4677.20	4675.80	4710.86	4789.67	4591.45	4863.09	5148.93	5332.04
68	4075.97	4054.87	4332.39	4365.90	4328.79	4440.69	4307.77	4546.83	4781.06	5024.67
69	3624.08	3642.62	3948.56	4016.49	3880.04	4059.08	4026.31	4227.83	4384.83	4708.46
70	3189.30	3225.39	3512.21	3629.19	3384.64	3650.55	3756.37	3887.15	3984.53	4375.25
71	2758.25	2810.85	3027.68	3191.94	2897.89	3199.37	3434.42	3518.59	3533.52	4023.75
72	2318.08	2388.49	2483.38	2714.90	2445.93	2730.11	3050.20	3089.50	3059.70	3634.42
73	1893.82	1982.55	1948.76	2227.47	2060.85	2273.80	2579.70	2609.51	2530.53	3182.22
74	1509.05	1588.44	1473.26	1768.04	1749.54	1842.54	2038.84	2088.50	2012.47	2673.58
75	1199.68	1238.44	1076.96	1400.49	1501.85	1552.76	1600.60	1706.62	1664.49	2123.38
76	969.85	931.66	767.64	1116.43	1254.16	1262.97	1162.35	1324.73	1316.52	1704.89
77	785.14	693.21	631.42	875.80	1006.68	974.11	727.34	945.15	970.07	1286.41
78	604.30	563.46	496.25	681.47	771.69	771.85	533.09	707.87	766.19	872.91
79	443.61	433.76	361.08	518.17	535.50	602.87	408.73	519.49	550.50	657.42
80	282.93	304.06	292.87	422.35	315.98	468.86	328.90	374.48	353.41	475.33
81	214.99	230.60	236.74	328.06	226.00	364.76	270.13	280.33	248.09	327.97
82	168.35	185.66	196.65	233.76	187.13	296.63	228.73	229.82	203.24	229.18
83	133.75	142.90	160.56	179.23	148.26	242.56	193.36	190.07	158.39	179.81
84	105.01	106.00	125.40	136.48	109.86	194.40	158.51	151.86	113.37	130.44
85	78.33	76.17	91.27	96.44	84.86	146.24	123.66	113.51	63.69	81.17
86	55.20	54.54	60.64	66.50	60.62	98.13	88.86	57.70	42.57	54.62
87	32.12	32.98	38.40	46.82	40.15	57.62	59.68	38.67	21.46	28.06
88	9.03	11.42	16.37	27.36	27.10	38.54	30.50	19.64	0.63	1.85
89	6.74	8.42	11.78	7.89	14.05	19.47	1.71	0.87	0.67	0.75
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 : MPLSEL40HTT5-34000LM4K.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	9936.40	9936.40	9936.40	9936.40	9936.40	9936.40	9936.40
1	9904.80	9917.27	9928.83	9943.36	9956.60	9962.79	9969.32
2	9874.67	9894.89	9922.14	9950.66	9977.39	9993.31	10006.16
3	9841.97	9873.42	9913.95	9957.35	9997.43	10023.25	10044.05
4	9811.94	9849.79	9903.67	9963.22	10018.28	10055.70	10080.76
5	9779.98	9825.59	9894.00	9970.91	10039.63	10087.40	10113.48
6	9748.82	9802.72	9885.78	9979.09	10058.82	10118.49	10150.60
7	9717.80	9779.44	9877.76	9981.92	10077.41	10149.64	10188.19
8	9687.28	9757.77	9867.85	9989.43	10098.08	10180.30	10222.88
9	9657.37	9736.97	9856.31	9997.03	10120.58	10211.96	10257.69
10	9629.91	9715.88	9847.35	10002.48	10142.14	10241.80	10292.64
11	9603.59	9695.40	9840.73	10009.04	10164.37	10272.37	10326.76
12	9577.33	9676.45	9836.11	10015.38	10185.99	10303.06	10361.06
13	9551.91	9659.71	9828.60	10019.01	10201.91	10331.81	10393.47
14	9527.40	9642.61	9826.98	10020.75	10217.12	10361.30	10424.68
15	9500.68	9626.45	9821.08	10021.68	10233.82	10386.13	10454.51
16	9471.16	9609.52	9815.64	10023.84	10241.30	10407.23	10482.17
17	9443.16	9595.43	9810.40	10025.38	10251.36	10425.15	10505.97
18	9418.75	9579.81	9805.13	10026.70	10255.45	10443.45	10524.54
19	9391.84	9565.51	9800.25	10025.87	10255.54	10455.57	10544.21
20	9364.74	9546.69	9793.04	10020.43	10256.20	10466.40	10555.61
21	9336.25	9529.19	9781.81	10015.59	10256.20	10473.46	10563.33
22	9307.19	9508.76	9769.30	10010.10	10255.55	10477.24	10566.90
23	9280.78	9489.36	9758.41	10001.75	10247.71	10475.31	10560.36
24	9249.28	9468.12	9744.52	9991.79	10236.87	10465.80	10549.74
25	9220.57	9449.95	9730.51	9978.02	10222.82	10450.52	10537.70
26	9190.61	9427.95	9715.25	9964.41	10207.27	10436.65	10514.80
27	9157.83	9405.75	9695.21	9946.57	10187.91	10412.62	10493.21
28	9119.53	9380.64	9678.04	9922.62	10165.33	10384.97	10466.48
29	9088.88	9353.72	9655.44	9903.35	10141.57	10359.27	10443.58
30	9055.05	9326.26	9631.92	9876.21	10114.95	10332.36	10415.46
31	9018.83	9301.34	9605.49	9848.24	10085.92	10299.94	10387.04
32	8984.21	9270.72	9580.61	9820.94	10055.34	10268.06	10356.99
33	8953.36	9239.72	9553.01	9786.83	10024.66	10228.48	10327.76
34	8920.06	9209.35	9523.55	9754.20	9988.96	10184.60	10292.72
35	8881.87	9173.11	9485.86	9716.48	9951.13	10138.95	10249.56
36	8846.34	9135.05	9438.06	9675.92	9913.58	10091.67	10201.49

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	8806.85	9094.99	9390.38	9635.84	9875.84	10046.17	10153.94
38	8767.63	9048.32	9342.57	9590.30	9832.42	9992.72	10100.34
39	8730.28	8995.89	9294.03	9542.05	9789.70	9937.46	10040.38
40	8689.96	8945.11	9247.11	9493.85	9743.41	9880.69	9980.02
41	8651.31	8896.98	9198.80	9440.99	9690.91	9816.77	9911.02
42	8605.95	8843.42	9150.08	9387.34	9634.48	9750.66	9838.41
43	8554.75	8785.26	9094.84	9328.07	9580.57	9684.17	9759.08
44	8511.81	8730.91	9040.99	9266.47	9518.89	9611.15	9676.85
45	8460.09	8673.21	8982.65	9201.79	9455.58	9539.27	9591.68
46	8413.52	8619.49	8919.24	9133.80	9388.06	9458.80	9502.80
47	8361.01	8558.91	8852.36	9063.99	9314.59	9379.34	9413.23
48	8307.99	8499.32	8780.85	8989.82	9232.72	9292.42	9322.49
49	8244.78	8431.84	8702.65	8909.40	9139.67	9199.71	9224.26
50	8178.63	8362.78	8626.21	8828.78	9046.14	9104.06	9128.65
51	8109.54	8288.09	8537.48	8735.88	8941.52	9002.16	9024.51
52	8031.50	8207.80	8444.46	8636.65	8830.83	8894.44	8909.17
53	7954.45	8126.13	8343.20	8529.45	8714.92	8777.92	8770.79
54	7874.16	8038.89	8226.88	8412.86	8588.59	8651.08	8608.38
55	7782.32	7944.41	8106.22	8279.72	8449.71	8503.27	8416.35
56	7683.95	7832.38	7975.88	8133.65	8305.98	8334.11	8202.99
57	7575.23	7708.48	7842.00	7972.26	8147.27	8134.70	7969.73
58	7455.73	7573.03	7700.88	7800.07	7981.24	7909.88	7722.10
59	7315.73	7431.53	7553.28	7621.05	7793.57	7662.23	7465.65
60	7153.17	7279.06	7406.62	7433.27	7596.32	7397.59	7198.11
61	6956.52	7116.04	7254.81	7233.53	7372.91	7121.77	6925.91
62	6725.78	6936.62	7102.10	7023.02	7130.31	6838.67	6629.02
63	6471.44	6749.47	6959.40	6802.74	6866.89	6549.08	6308.08
64	6182.05	6539.38	6812.00	6586.81	6581.11	6246.41	5933.96
65	5883.95	6325.45	6651.09	6364.07	6276.81	5916.62	5506.36
66	5572.42	6107.03	6472.28	6128.86	5956.69	5555.37	5042.24
67	5269.74	5861.73	6256.64	5873.47	5612.23	5135.57	4553.98
68	4980.84	5603.52	6012.00	5588.49	5271.89	4693.07	4075.97
69	4715.40	5320.65	5700.29	5284.35	4928.46	4238.11	3624.08
70	4488.44	5011.41	5328.89	4947.06	4574.50	3780.72	3189.30
71	4278.30	4665.19	4903.47	4576.93	4177.43	3317.82	2758.25
72	4037.30	4293.83	4444.35	4186.08	3697.32	2853.74	2318.08
73	3705.08	3883.92	3906.13	3762.98	3122.30	2392.24	1893.82
74	3225.02	3444.23	3278.59	3263.81	2465.32	1936.61	1509.05
75	2646.47	2905.16	2685.81	2621.94	1798.00	1519.39	1199.68
76	2029.32	2288.48	2223.92	1995.07	1221.75	1152.69	969.85
77	1474.27	1830.71	1868.76	1508.36	825.23	863.25	785.14
78	925.42	1372.95	1547.31	1181.26	603.37	645.30	604.30
79	601.32	920.24	1184.10	919.18	486.69	512.50	443.61
80	424.78	667.22	689.98	687.26	370.31	379.72	282.93
81	314.01	458.39	511.07	530.95	286.95	246.93	214.99
82	234.07	309.02	340.11	376.51	220.21	191.63	168.35
83	190.25	212.78	169.15	222.08	167.91	145.72	133.75
84	146.43	174.58	124.62	157.27	130.80	109.66	105.01
85	102.68	136.39	93.70	105.91	99.94	80.22	78.33
86	68.64	98.24	68.83	70.86	68.42	56.69	55.20
87	46.00	63.07	47.66	48.63	54.87	33.22	32.12
88	23.37	42.28	26.57	26.78	41.74	9.76	9.03
89	1.03	21.48	5.48	4.93	28.60	7.19	6.74
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 : MPLSEL40HTT5-34000LM4K.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 : MPLSEL40HTT5-34000LM4K.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 : MPLSEL40HTT5-34000LM4K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3758.67	N.A.	10.50
0-30	8280.09	N.A.	23.10
0-40	14199.29	N.A.	39.60
0-60	28043.64	N.A.	78.20
0-80	35718.35	N.A.	99.60
0-90	35862.12	N.A.	100.00
10-90	34914.02	N.A.	97.40
20-40	10440.62	N.A.	29.10
20-50	17293.44	N.A.	48.20
40-70	19433.12	N.A.	54.20
60-80	7674.72	N.A.	21.40
70-80	2085.93	N.A.	5.80
80-90	143.76	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	35862.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	948.10
10-20	2810.57
20-30	4521.42
30-40	5919.21
40-50	6852.82
50-60	6991.52
60-70	5588.78
70-80	2085.93
80-90	143.76
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 : MPLSEL40HTT5-34000LM4K.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	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	81	69	60	53	79	68	59	52	65	58	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	68	54	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	33	47	39	33	45	38	33	44	37	33	31
8	58	44	36	30	57	44	35	30	42	35	29	41	34	29	40	34	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	22

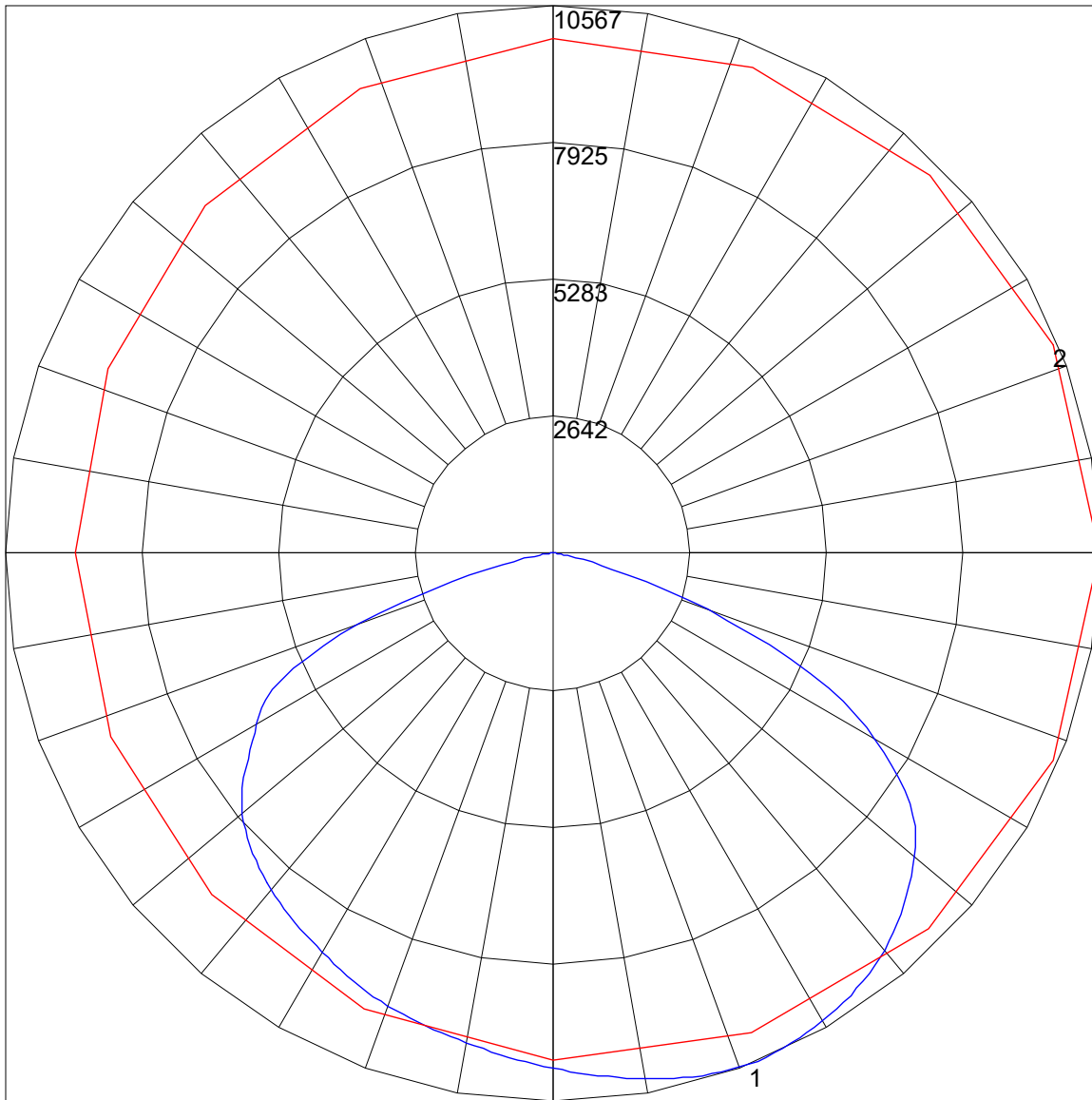
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5-34000LM4K.IES

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	30.9	32.6	31.3	33.0	33.3	30.3	32.0	30.6	32.3	32.6
	3H	32.2	33.8	32.6	34.1	34.5	31.9	33.4	32.3	33.8	34.1
	4H	32.4	33.8	32.8	34.2	34.5	32.1	33.6	32.5	33.9	34.3
	6H	32.4	33.7	32.8	34.1	34.5	32.1	33.5	32.6	33.8	34.2
	8H	32.3	33.6	32.8	34.0	34.4	32.1	33.4	32.5	33.8	34.2
	12H	32.3	33.5	32.7	33.9	34.4	32.1	33.3	32.5	33.7	34.1
4H	2H	31.6	33.0	32.0	33.4	33.8	30.9	32.4	31.3	32.7	33.1
	3H	33.0	34.2	33.4	34.6	35.0	32.7	33.9	33.1	34.3	34.7
	4H	33.2	34.3	33.6	34.7	35.1	32.9	34.0	33.4	34.4	34.9
	6H	33.2	34.2	33.7	34.6	35.1	33.0	33.9	33.4	34.4	34.8
	8H	33.2	34.1	33.7	34.5	35.0	33.0	33.8	33.4	34.3	34.7
	12H	33.2	34.0	33.7	34.4	34.9	32.9	33.7	33.4	34.2	34.7
8H	4H	33.3	34.2	33.8	34.6	35.1	33.0	33.9	33.5	34.3	34.8
	6H	33.3	34.0	33.8	34.5	35.0	33.0	33.8	33.5	34.3	34.7
	8H	33.3	33.9	33.8	34.4	34.9	33.0	33.7	33.5	34.2	34.7
	12H	33.3	33.9	33.8	34.3	34.9	33.0	33.6	33.5	34.1	34.6
12H	4H	33.3	34.1	33.8	34.6	35.0	33.0	33.8	33.5	34.2	34.7
	6H	33.3	34.0	33.8	34.4	35.0	33.0	33.7	33.6	34.1	34.7
	8H	33.3	33.9	33.8	34.3	34.9	33.0	33.6	33.5	34.1	34.6

Maximum UGR = 35.1

POLAR GRAPH



Maximum Candela = 10566.9 Located At Horizontal Angle = 0, Vertical Angle = 22
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22) (Through Max. Cd.)