

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-34000LM3K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-50025E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-02
[ISSUEDATE] 2022-12-02 15:43:44
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT3HV-34000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	33629
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	246.3
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	97872	128905	156485
55	71947	137525	193817
65	33355	138303	272055
75	16470	34564	318736
85	11037	9878	109076

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-34000LM3K.IES

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	9739.79	9739.79	9739.79	9739.79	9739.79	9739.79	9739.79	9739.79	9739.79	9739.79
1	9769.81	9766.22	9758.72	9747.26	9734.54	9722.95	9711.66	9704.48	9704.23	9708.23
2	9794.28	9786.32	9774.14	9753.78	9728.92	9704.80	9681.92	9665.89	9661.87	9671.68
3	9812.20	9801.62	9785.22	9758.87	9723.03	9686.74	9650.17	9623.63	9616.16	9630.98
4	9827.63	9813.89	9792.66	9761.45	9716.03	9666.61	9615.61	9575.36	9561.52	9583.31
5	9838.71	9822.58	9798.72	9762.36	9709.21	9646.73	9577.01	9522.40	9501.71	9530.20
6	9846.22	9827.49	9801.43	9762.59	9703.93	9627.19	9537.53	9462.86	9435.23	9472.28
7	9848.98	9830.03	9801.89	9764.10	9696.31	9606.20	9493.82	9399.97	9364.49	9410.04
8	9845.67	9827.98	9801.25	9761.35	9689.37	9585.21	9448.78	9333.07	9289.71	9344.12
9	9837.28	9820.23	9798.95	9759.22	9680.69	9563.47	9400.74	9263.99	9209.91	9274.86
10	9821.27	9807.43	9793.55	9755.74	9672.77	9539.20	9350.61	9189.81	9127.45	9202.54
11	9798.41	9788.89	9785.41	9752.09	9664.21	9514.26	9300.35	9114.39	9040.53	9127.53
12	9768.31	9763.70	9776.00	9748.02	9657.77	9490.78	9246.52	9034.55	8952.46	9051.29
13	9729.77	9731.46	9762.14	9744.44	9652.37	9467.64	9192.60	8954.03	8861.77	8972.45
14	9683.94	9694.39	9743.28	9742.46	9647.34	9444.27	9136.07	8872.11	8767.99	8891.79
15	9633.38	9653.41	9719.32	9739.86	9644.06	9422.82	9079.21	8787.69	8672.13	8811.00
16	9574.56	9606.35	9694.35	9736.87	9639.12	9399.28	9022.16	8701.93	8574.97	8727.65
17	9509.58	9555.04	9665.87	9732.87	9635.53	9376.39	8964.06	8613.98	8476.73	8643.58
18	9438.74	9495.57	9634.77	9728.56	9629.63	9355.52	8907.33	8526.72	8377.98	8556.35
19	9362.04	9431.00	9600.20	9722.04	9621.63	9332.18	8850.68	8437.46	8276.67	8468.70
20	9280.09	9361.24	9562.88	9713.70	9612.48	9309.12	8793.76	8347.58	8174.19	8378.58
21	9190.52	9288.55	9521.11	9703.04	9603.43	9284.44	8738.28	8255.34	8070.35	8287.35
22	9094.65	9207.65	9475.12	9690.67	9591.76	9258.94	8683.81	8164.03	7964.53	8195.33
23	8989.38	9119.83	9424.70	9675.93	9580.28	9233.21	8630.01	8071.03	7855.37	8100.16
24	8881.45	9027.33	9372.52	9658.68	9568.24	9205.08	8574.43	7974.42	7743.18	8003.05
25	8764.89	8927.07	9317.08	9637.75	9555.37	9176.08	8519.31	7879.06	7633.55	7903.74
26	8644.92	8822.48	9260.29	9615.55	9543.60	9148.12	8463.27	7778.96	7517.25	7803.00
27	8518.82	8712.15	9199.72	9592.53	9533.19	9120.59	8409.21	7678.96	7400.53	7700.58
28	8388.01	8594.83	9136.82	9567.03	9522.38	9092.68	8354.01	7575.39	7282.33	7595.40
29	8253.75	8472.71	9072.31	9543.51	9511.83	9065.52	8298.18	7470.81	7161.19	7488.27
30	8115.85	8348.44	9002.76	9520.20	9499.60	9037.97	8243.06	7363.30	7036.63	7377.71
31	7975.92	8224.32	8933.15	9498.25	9487.39	9009.90	8186.97	7251.85	6908.30	7265.97
32	7834.11	8096.24	8859.69	9475.00	9474.05	8979.51	8131.89	7139.90	6779.80	7150.97
33	7690.79	7970.21	8784.80	9449.50	9459.58	8949.19	8074.26	7022.33	6645.26	7031.72
34	7543.77	7837.82	8703.59	9421.09	9443.61	8917.87	8015.44	6903.28	6509.14	6907.78
35	7395.65	7705.72	8622.02	9388.61	9429.31	8887.89	7955.63	6778.23	6367.51	6779.01
36	7243.19	7568.81	8539.00	9354.19	9416.47	8858.44	7894.69	6651.39	6216.35	6644.28
37	7094.25	7433.87	8453.60	9320.51	9406.04	8824.35	7831.87	6520.14	6060.16	6504.07
38	6942.01	7293.99	8364.37	9281.33	9397.23	8787.44	7766.14	6384.27	5896.61	6359.48
39	6788.83	7156.05	8270.70	9241.74	9388.59	8750.38	7698.66	6243.78	5732.37	6205.48
40	6635.92	7017.43	8180.36	9202.25	9381.63	8713.48	7628.44	6096.65	5555.07	6045.60
41	6476.43	6877.06	8080.79	9163.60	9372.48	8678.07	7558.14	5944.01	5383.58	5880.40
42	6314.57	6733.98	7982.64	9124.34	9357.88	8645.23	7485.28	5782.40	5196.18	5711.01
43	6151.62	6586.38	7877.42	9084.97	9336.13	8614.47	7411.05	5614.71	5014.77	5540.24
44	5986.51	6439.52	7769.96	9044.01	9316.30	8585.69	7337.92	5439.57	4824.61	5362.78
45	5815.76	6286.98	7659.79	9000.73	9298.71	8555.37	7262.41	5258.29	4643.60	5173.63
46	5640.30	6133.34	7546.97	8950.69	9288.97	8511.74	7187.07	5065.52	4463.18	4975.81
47	5459.50	5972.71	7435.15	8891.83	9283.72	8462.12	7105.65	4870.79	4294.17	4769.21
48	5263.60	5804.38	7318.28	8825.18	9281.38	8414.64	7022.62	4670.05	4128.31	4564.37
49	5049.83	5622.86	7203.01	8756.62	9281.66	8370.81	6932.50	4466.11	3961.86	4357.56
50	4823.41	5431.17	7094.78	8688.69	9284.25	8326.99	6842.64	4261.95	3790.51	4148.96
51	4570.79	5210.27	6987.38	8616.48	9291.42	8286.09	6749.97	4060.07	3617.97	3949.09
52	4301.79	4959.69	6886.60	8538.89	9299.45	8247.93	6654.93	3852.50	3441.39	3750.10
53	4026.35	4679.19	6793.82	8459.73	9310.24	8212.93	6559.17	3642.08	3269.13	3556.11

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-34000LM3K.IES

CANDELA TABULATION - (Cont.)

54	3743.19	4360.24	6705.51	8374.76	9324.70	8179.47	6459.68	3437.21	3107.44	3367.41
55	3467.91	4021.97	6628.85	8292.02	9342.13	8146.26	6354.23	3228.87	2951.09	3187.15
56	3198.82	3665.72	6558.63	8200.37	9362.66	8116.69	6235.94	3032.06	2802.05	3009.53
57	2928.37	3324.06	6488.79	8107.58	9385.51	8090.41	6107.69	2846.70	2649.69	2835.65
58	2654.80	2988.11	6417.85	8015.39	9410.69	8070.08	5961.20	2672.31	2487.19	2661.08
59	2381.70	2671.82	6330.54	7923.09	9439.48	8055.77	5795.85	2502.07	2316.34	2479.26
60	2123.20	2373.93	6223.02	7835.44	9471.66	8047.72	5610.57	2331.51	2137.93	2293.32
61	1883.76	2095.82	6081.82	7746.29	9509.11	8051.38	5397.50	2152.75	1957.01	2101.10
62	1669.44	1849.62	5895.82	7668.06	9548.40	8068.83	5163.15	1967.72	1781.09	1914.93
63	1485.26	1636.57	5658.88	7602.91	9590.14	8101.43	4887.82	1784.18	1619.49	1736.86
64	1322.24	1452.99	5333.94	7553.62	9630.57	8154.83	4592.70	1604.15	1466.45	1569.71
65	1184.60	1291.84	4911.82	7531.45	9662.03	8220.08	4252.76	1457.43	1337.21	1431.57
66	1052.47	1144.68	4370.43	7545.93	9676.70	8298.37	3873.72	1310.70	1208.13	1293.43
67	925.41	1004.37	3746.04	7596.10	9663.83	8379.31	3466.56	1164.59	1087.48	1155.77
68	807.82	881.46	3107.67	7682.36	9618.15	8456.15	3014.27	1038.51	969.64	1033.77
69	712.29	784.59	2556.81	7798.34	9527.55	8511.17	2586.54	920.01	869.74	917.99
70	635.63	700.53	2106.69	7952.37	9386.20	8532.83	2206.87	808.40	789.71	811.75
71	570.97	624.59	1744.41	8138.05	9161.00	8516.99	1859.67	708.44	721.95	720.89
72	506.57	564.08	1444.14	8326.09	8820.07	8449.15	1575.87	626.47	660.42	647.01
73	442.17	503.86	1197.46	8497.48	8329.06	8298.39	1292.07	557.34	600.98	584.63
74	396.28	443.67	968.45	8639.68	7699.16	8049.95	1011.21	494.82	547.89	523.83
75	358.22	393.41	751.76	8688.67	6932.52	7686.20	813.11	436.54	501.22	466.03
76	327.01	349.79	611.58	8499.89	6080.41	7201.47	647.92	387.60	459.40	413.92
77	296.63	309.69	473.62	7933.92	5158.31	6604.01	499.91	345.28	417.84	366.17
78	262.92	272.90	335.67	6950.99	4189.34	5792.17	375.93	307.82	375.57	321.18
79	234.49	236.43	267.91	5671.58	3281.54	4838.23	292.46	273.70	332.32	280.06
80	208.45	201.04	219.04	4365.21	2504.29	3867.44	234.52	237.98	292.53	242.63
81	182.53	171.59	181.57	3267.25	1926.27	3018.72	193.46	204.83	252.76	209.66
82	157.02	143.27	149.80	2481.24	1623.13	2327.47	163.06	176.21	213.55	179.81
83	131.34	118.19	121.39	1886.38	1319.99	1864.75	132.66	147.60	170.23	150.17
84	105.82	94.59	95.65	1432.51	1017.66	1402.03	102.32	118.93	126.91	120.48
85	80.84	73.12	72.35	1059.47	798.89	939.55	77.02	86.07	84.30	85.07
86	57.30	52.87	53.31	760.79	565.95	636.12	53.84	45.42	63.28	42.12
87	33.77	32.62	34.29	536.50	406.71	412.55	36.91	30.57	42.26	28.20
88	10.24	12.38	15.27	312.68	247.47	309.07	19.98	15.72	21.24	14.28
89	7.05	8.48	10.97	88.87	88.61	205.58	3.17	0.99	0.33	0.43
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

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-34000LM3K.IES

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-34000LM3K.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	9739.79	9739.79	9739.79	9739.79	9739.79	9739.79	9739.79
1	9717.50	9730.51	9744.82	9756.36	9764.96	9769.64	9769.81
2	9692.55	9719.87	9749.66	9771.52	9787.61	9794.56	9794.28
3	9664.64	9708.79	9753.64	9787.61	9807.02	9815.12	9812.20
4	9632.34	9696.26	9758.07	9801.60	9822.78	9831.63	9827.63
5	9598.47	9683.49	9763.00	9814.95	9837.56	9844.23	9838.71
6	9561.48	9671.06	9769.49	9827.15	9850.31	9853.45	9846.22
7	9521.23	9657.44	9775.80	9839.38	9861.17	9859.19	9848.98
8	9479.93	9644.18	9779.97	9850.07	9869.80	9861.68	9845.67
9	9435.74	9628.55	9784.20	9859.81	9875.80	9858.99	9837.28
10	9389.62	9612.84	9787.73	9867.77	9880.24	9850.80	9821.27
11	9342.54	9594.57	9790.71	9875.02	9882.39	9836.69	9798.41
12	9293.12	9576.45	9792.23	9881.48	9880.05	9817.63	9768.31
13	9243.23	9558.67	9793.96	9886.73	9874.80	9791.91	9729.77
14	9189.63	9541.15	9797.09	9891.27	9866.67	9761.97	9683.94
15	9138.11	9523.92	9801.88	9896.70	9854.59	9726.53	9633.38
16	9086.13	9508.52	9807.86	9903.32	9840.10	9684.31	9574.56
17	9032.86	9493.37	9814.40	9910.51	9822.16	9640.30	9509.58
18	8979.40	9478.44	9819.81	9916.74	9801.16	9588.92	9438.74
19	8925.77	9463.88	9824.65	9920.40	9775.80	9532.03	9362.04
20	8872.24	9449.34	9829.94	9922.80	9749.39	9469.01	9280.09
21	8818.61	9435.06	9834.76	9923.29	9719.47	9401.56	9190.52
22	8765.01	9418.92	9838.01	9924.37	9686.27	9327.84	9094.65
23	8711.51	9402.10	9841.02	9920.84	9650.05	9245.80	8989.38
24	8657.40	9384.01	9845.36	9916.90	9611.45	9158.00	8881.45
25	8603.25	9366.81	9850.84	9914.14	9571.17	9065.34	8764.89
26	8546.24	9348.24	9855.59	9910.92	9528.32	8969.83	8644.92
27	8489.04	9330.67	9861.18	9906.43	9484.05	8869.16	8518.82
28	8433.14	9313.31	9865.88	9902.79	9437.18	8763.45	8388.01
29	8375.24	9295.83	9871.58	9900.23	9386.01	8649.96	8253.75
30	8316.96	9278.84	9877.61	9900.37	9333.02	8536.15	8115.85
31	8255.96	9262.81	9883.57	9897.66	9274.49	8418.46	7975.92
32	8196.55	9248.83	9891.96	9899.06	9215.11	8300.56	7834.11
33	8136.28	9235.81	9898.66	9898.66	9150.86	8177.69	7690.79
34	8071.52	9223.53	9909.41	9893.43	9085.35	8054.19	7543.77
35	8005.06	9212.74	9925.02	9883.21	9013.90	7929.73	7395.65
36	7935.02	9196.98	9945.45	9871.27	8940.81	7801.01	7243.19

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-34000LM3K.IES

CANDELA TABULATION - (Cont.)

37	7866.16	9177.49	9973.45	9861.13	8864.36	7673.27	7094.25
38	7793.25	9155.80	10006.16	9845.96	8785.50	7539.28	6942.01
39	7716.88	9133.52	10044.11	9832.08	8701.36	7406.75	6788.83
40	7641.08	9111.57	10076.61	9820.97	8618.11	7270.01	6635.92
41	7565.36	9091.99	10095.47	9811.54	8531.30	7134.12	6476.43
42	7491.12	9081.06	10100.82	9806.09	8445.03	6998.28	6314.57
43	7415.35	9076.69	10094.29	9806.08	8355.36	6860.08	6151.62
44	7342.11	9077.27	10091.66	9813.00	8264.12	6719.87	5986.51
45	7264.58	9084.63	10101.17	9802.76	8169.81	6575.96	5815.76
46	7185.23	9072.29	10121.59	9773.80	8074.71	6431.40	5640.30
47	7099.11	9033.97	10150.98	9731.66	7979.42	6279.67	5459.50
48	7009.07	8992.27	10188.11	9691.75	7880.70	6119.98	5263.60
49	6905.56	8964.74	10228.24	9662.03	7780.69	5945.51	5049.83
50	6796.65	8944.14	10275.77	9642.13	7686.62	5760.59	4823.41
51	6673.29	8930.56	10332.11	9621.94	7591.24	5548.89	4570.79
52	6536.57	8920.70	10392.54	9603.21	7502.92	5311.47	4301.79
53	6387.23	8916.80	10461.43	9587.23	7419.92	5047.01	4026.35
54	6216.54	8912.76	10531.94	9569.30	7343.03	4735.19	3743.19
55	6033.39	8912.37	10610.58	9556.78	7278.59	4397.07	3467.91
56	5818.51	8918.60	10691.59	9543.90	7224.26	4024.87	3198.82
57	5586.04	8930.36	10779.29	9534.75	7183.11	3648.43	2928.37
58	5318.15	8947.61	10868.12	9527.14	7153.82	3280.39	2654.80
59	5022.46	8973.98	10959.47	9515.12	7134.62	2933.97	2381.70
60	4703.28	9010.49	11051.62	9511.93	7121.63	2614.57	2123.20
61	4349.89	9056.49	11143.27	9509.95	7101.41	2309.25	1883.76
62	3988.02	9116.69	11230.63	9509.52	7067.79	2030.39	1669.44
63	3604.63	9186.25	11313.58	9510.35	7010.65	1779.87	1485.26
64	3236.87	9276.36	11389.53	9519.26	6928.56	1560.53	1322.24
65	2863.93	9390.03	11451.77	9541.06	6797.16	1372.77	1184.60
66	2505.57	9526.28	11491.76	9562.75	6565.19	1208.53	1052.47
67	2145.17	9680.68	11504.14	9583.98	6177.86	1067.60	925.41
68	1799.03	9838.59	11473.79	9586.59	5629.78	945.58	807.82
69	1552.24	9977.83	11397.47	9565.27	4943.06	834.87	712.29
70	1305.46	10055.99	11250.85	9505.95	4197.78	735.07	635.63
71	1060.96	10062.96	11012.79	9410.13	3495.01	648.93	570.97
72	887.85	9984.82	10634.28	9284.01	2932.60	579.86	506.57
73	731.49	9760.05	10110.55	9101.43	2448.87	511.11	442.17
74	598.21	9352.87	9436.84	8857.17	2020.47	442.36	396.28
75	484.63	8785.06	8633.46	8571.84	1627.95	389.64	358.22
76	400.86	8090.91	7678.05	8275.74	1274.76	342.81	327.01
77	339.41	7112.04	6520.13	7946.13	942.54	301.00	296.63
78	287.61	5897.65	5317.63	7419.72	656.45	262.22	262.92
79	242.04	4595.97	4162.06	6621.53	513.47	226.04	234.49
80	202.65	3423.70	3177.41	5621.86	373.72	191.21	208.45
81	173.21	2507.00	2432.55	4569.46	233.97	160.10	182.53
82	143.77	1965.41	1897.67	3607.43	179.65	132.25	157.02
83	114.35	1423.82	1516.77	2819.78	139.68	107.62	131.34
84	90.11	885.19	1219.87	2157.46	107.26	84.95	105.82
85	67.84	587.85	940.13	1600.40	79.85	63.88	80.84
86	45.99	379.97	638.40	1106.00	57.76	45.54	57.30
87	31.18	266.38	480.06	708.13	35.69	27.20	33.77
88	16.36	152.79	322.66	374.49	13.62	8.87	10.24
89	1.66	39.79	165.26	41.26	9.81	6.19	7.05
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-34000LM3K.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-34000LM3K.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-34000LM3K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3592.46	N.A.	10.70
0-30	7737.38	N.A.	23.00
0-40	12955.46	N.A.	38.50
0-60	24466.88	N.A.	72.80
0-80	33043.65	N.A.	98.30
0-90	33629.45	N.A.	100.00
10-90	32706.39	N.A.	97.30
20-40	9363.00	N.A.	27.80
20-50	15148.25	N.A.	45.00
40-70	16606.92	N.A.	49.40
60-80	8576.77	N.A.	25.50
70-80	3481.27	N.A.	10.40
80-90	585.80	N.A.	1.70
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	33629.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	923.06
10-20	2669.4
20-30	4144.93
30-40	5218.07
40-50	5785.26
50-60	5726.17
60-70	5095.5
70-80	3481.27
80-90	585.80
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 : MPLSEL40HTT3HV-34000LM3K.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	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	88	81	74	94	86	79	74	83	77	72	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	50	77	66	57	50	63	55	49	61	54	49	58	53	48	46
5	73	59	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	37	49	42	36	47	41	36	34
7	62	48	39	32	60	47	38	32	46	38	32	44	37	32	43	36	32	29
8	58	44	35	29	56	43	35	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	51	37	29	23	49	36	28	23	35	28	23	34	28	23	33	27	23	21

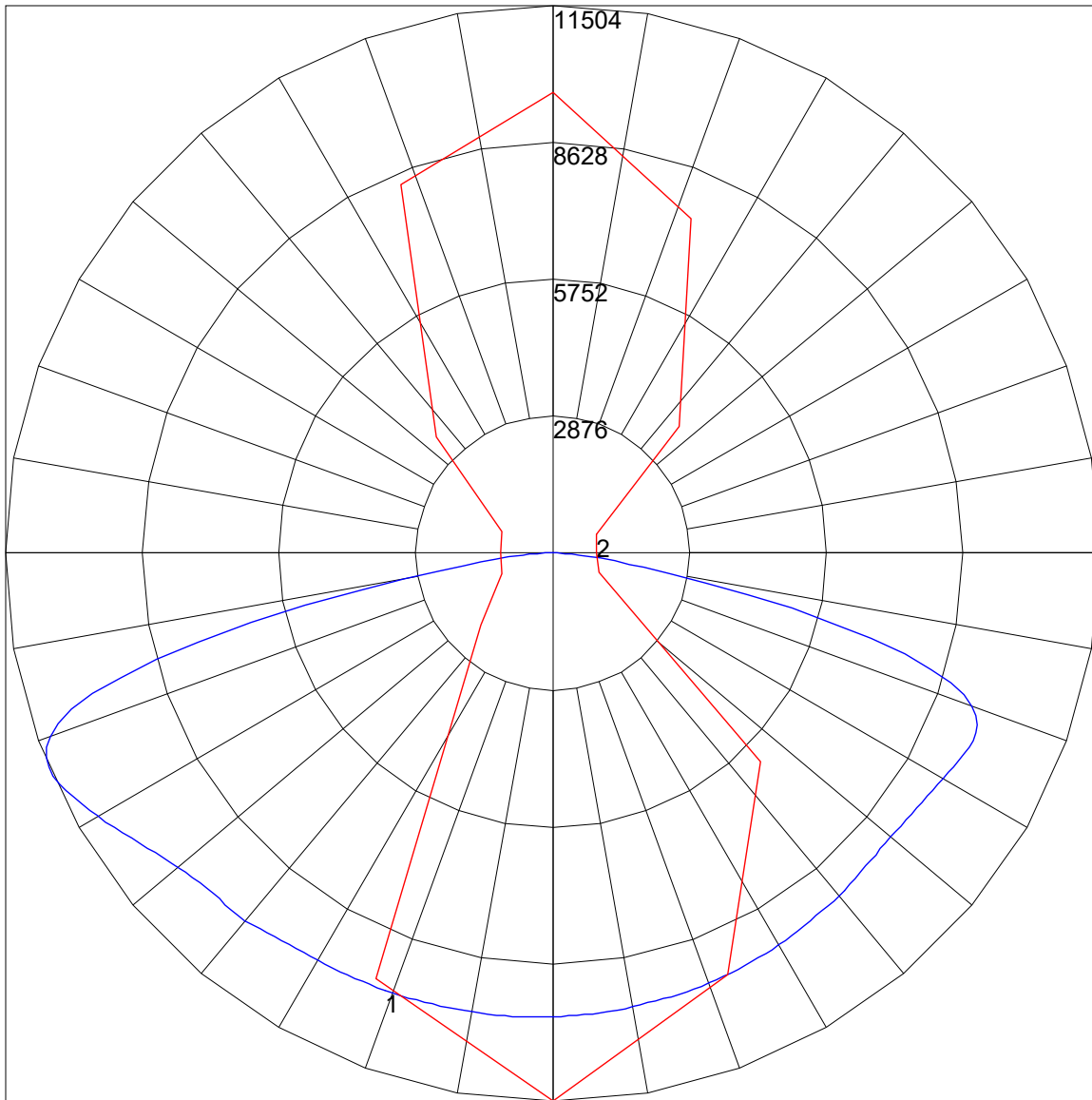
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-34000LM3K.IES

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	24.9	26.6	25.3	26.9	27.3	31.6	33.3	32.0	33.7	34.0
	3H	25.2	26.7	25.5	27.1	27.4	35.5	37.1	35.9	37.4	37.8
	4H	25.2	26.7	25.6	27.1	27.4	37.2	38.6	37.5	39.0	39.3
	6H	25.3	26.6	25.7	27.0	27.4	37.8	39.2	38.2	39.6	40.0
	8H	25.3	26.6	25.7	27.0	27.4	37.9	39.2	38.3	39.6	40.0
	12H	25.3	26.5	25.7	26.9	27.3	37.9	39.2	38.4	39.6	40.0
4H	2H	28.2	29.6	28.6	30.0	30.4	31.9	33.4	32.3	33.7	34.1
	3H	28.5	29.7	28.9	30.1	30.5	36.1	37.3	36.5	37.7	38.1
	4H	28.5	29.6	28.9	30.0	30.5	38.2	39.4	38.7	39.8	40.2
	6H	28.5	29.5	28.9	29.9	30.4	39.2	40.2	39.6	40.6	41.1
	8H	28.5	29.4	29.0	29.9	30.3	39.3	40.3	39.8	40.7	41.2
	12H	28.5	29.3	29.0	29.8	30.3	39.4	40.2	39.8	40.7	41.2
8H	4H	30.4	31.3	30.8	31.8	32.2	38.2	39.2	38.7	39.6	40.1
	6H	30.4	31.1	30.8	31.6	32.1	39.3	40.1	39.8	40.6	41.1
	8H	30.3	31.0	30.8	31.5	32.0	39.5	40.2	40.0	40.7	41.2
	12H	30.4	31.0	30.9	31.5	32.0	39.7	40.3	40.2	40.8	41.3
12H	4H	31.1	31.9	31.5	32.4	32.8	38.2	39.1	38.7	39.5	40.0
	6H	31.1	31.8	31.6	32.2	32.8	39.3	40.0	39.8	40.5	41.0
	8H	31.1	31.7	31.6	32.2	32.7	39.6	40.2	40.1	40.7	41.2

Maximum UGR = 41.3

POLAR GRAPH



Maximum Candela = 11504.14 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.)