

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5-34000LM3K.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 16:04:01  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL40HTT5-34000LM3K  
[LAMP] N/A

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	34329
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	246.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.56
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	159328	146387	128958
55	169941	149824	134751
65	137990	137851	137385
75	47034	51318	67751
85	11097	12557	11164

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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	10192.11	10192.11	10192.11	10192.11	10192.11	10192.11	10192.11	10192.11	10192.11	10192.11
1	10231.82	10226.35	10216.45	10191.51	10180.27	10166.22	10155.29	10149.28	10150.28	10157.32
2	10273.93	10257.39	10235.54	10200.50	10167.95	10140.58	10118.33	10105.95	10107.99	10124.19
3	10307.39	10289.91	10253.50	10202.03	10152.77	10113.56	10080.21	10064.50	10068.06	10089.25
4	10350.90	10322.95	10270.21	10202.49	10135.32	10083.40	10040.92	10022.01	10026.92	10056.53
5	10384.96	10352.05	10285.86	10198.23	10115.90	10051.54	10000.36	9980.54	9986.60	10022.41
6	10423.39	10379.09	10300.35	10195.51	10097.43	10021.19	9962.15	9938.22	9948.42	9987.74
7	10458.12	10406.44	10309.86	10192.16	10077.50	9989.53	9923.14	9899.80	9910.97	9955.27
8	10491.76	10431.97	10319.59	10184.39	10054.86	9958.34	9885.11	9858.06	9872.84	9923.78
9	10523.11	10457.52	10327.26	10175.68	10032.51	9923.55	9848.24	9819.02	9835.24	9888.75
10	10554.52	10476.63	10333.21	10169.10	10006.60	9892.33	9812.21	9781.06	9800.37	9858.23
11	10585.93	10496.20	10339.14	10152.72	9981.21	9857.41	9772.74	9741.99	9765.88	9824.36
12	10617.64	10513.33	10340.73	10138.67	9951.68	9819.06	9734.85	9701.32	9732.22	9793.21
13	10645.89	10529.62	10343.52	10123.07	9922.41	9787.14	9694.47	9662.04	9694.57	9761.06
14	10671.81	10544.77	10340.38	10103.91	9889.84	9743.11	9655.61	9622.59	9658.70	9725.48
15	10693.20	10558.12	10333.29	10082.35	9852.07	9702.69	9614.19	9584.70	9623.27	9692.98
16	10712.08	10566.89	10328.48	10058.18	9813.61	9661.61	9571.31	9543.79	9586.28	9660.40
17	10727.60	10574.12	10317.22	10029.42	9773.45	9613.27	9525.69	9501.57	9552.47	9629.18
18	10741.53	10575.13	10301.63	9995.06	9729.31	9566.03	9480.96	9462.30	9515.81	9594.09
19	10749.65	10569.70	10286.42	9961.02	9683.10	9517.19	9435.79	9418.56	9480.53	9560.11
20	10755.87	10563.95	10260.63	9922.19	9634.30	9464.09	9382.93	9374.94	9443.26	9524.16
21	10757.01	10551.20	10230.96	9881.36	9584.02	9405.60	9330.66	9330.13	9404.21	9489.76
22	10749.55	10533.11	10198.40	9836.22	9528.80	9350.28	9272.98	9279.88	9367.59	9452.96
23	10741.61	10506.60	10156.48	9784.21	9473.98	9289.79	9214.30	9229.33	9327.77	9414.23
24	10723.38	10478.54	10112.90	9730.02	9413.97	9225.48	9153.93	9178.17	9286.91	9373.31
25	10692.50	10446.20	10063.62	9673.36	9353.62	9160.42	9094.81	9120.46	9239.81	9331.69
26	10666.07	10410.79	10014.90	9613.76	9287.77	9095.02	9034.51	9063.62	9192.95	9288.27
27	10629.15	10367.53	9965.79	9551.23	9220.01	9028.04	8974.00	9004.03	9146.83	9240.68
28	10591.76	10325.85	9913.88	9488.00	9149.63	8962.67	8916.72	8948.32	9096.43	9192.61
29	10547.29	10280.87	9856.71	9419.52	9077.04	8893.03	8854.58	8892.37	9044.69	9143.14
30	10499.78	10234.45	9801.10	9350.27	9002.70	8824.26	8798.55	8834.80	8992.97	9094.59
31	10457.08	10187.83	9743.10	9280.65	8923.23	8754.47	8739.64	8776.40	8941.64	9044.47
32	10407.38	10137.58	9682.51	9207.82	8845.24	8684.23	8679.30	8720.76	8893.74	8987.87
33	10355.56	10086.12	9620.15	9129.81	8764.37	8607.88	8617.27	8666.93	8841.21	8932.05
34	10297.90	10034.37	9556.12	9049.26	8680.64	8534.95	8551.11	8612.48	8785.16	8877.41
35	10240.64	9973.33	9496.13	8971.46	8594.82	8458.78	8485.30	8555.28	8728.61	8819.99
36	10179.76	9909.85	9429.12	8891.16	8509.84	8380.14	8415.28	8494.70	8670.99	8764.42
37	10114.27	9844.69	9364.93	8809.08	8422.13	8300.84	8347.25	8437.26	8614.70	8709.98
38	10042.61	9776.09	9294.84	8727.37	8334.75	8220.18	8273.83	8372.83	8552.07	8651.47
39	9971.36	9702.09	9219.56	8640.30	8244.99	8135.72	8198.62	8307.33	8491.72	8596.35
40	9897.14	9625.46	9144.00	8556.30	8149.02	8048.83	8122.58	8243.03	8430.45	8537.08
41	9817.35	9544.15	9061.42	8465.62	8056.84	7961.70	8042.71	8176.91	8365.85	8477.00
42	9736.21	9463.68	8976.81	8374.96	7961.47	7869.38	7963.25	8109.61	8297.70	8416.83
43	9646.98	9376.89	8888.06	8282.29	7864.14	7775.31	7880.69	8033.64	8223.91	8352.45
44	9559.26	9286.62	8795.17	8189.05	7764.13	7682.85	7798.86	7959.95	8148.17	8287.36
45	9467.61	9196.72	8698.65	8092.93	7662.94	7582.90	7709.86	7884.59	8068.30	8218.60
46	9370.86	9099.80	8591.92	7992.57	7561.18	7485.36	7622.44	7803.33	7985.47	8149.03
47	9276.45	8997.66	8478.91	7888.77	7455.43	7383.60	7529.37	7719.79	7899.34	8076.32
48	9176.44	8890.18	8356.56	7777.73	7345.63	7281.33	7433.91	7632.44	7806.16	8000.89
49	9071.22	8775.94	8222.50	7658.57	7235.91	7168.82	7333.66	7540.41	7707.05	7919.76
50	8962.49	8657.48	8084.06	7542.01	7124.97	7059.04	7224.85	7445.11	7602.74	7837.17
51	8843.37	8528.30	7935.58	7408.38	7010.22	6943.86	7111.24	7345.18	7491.12	7746.88
52	8713.99	8390.64	7775.24	7271.47	6891.58	6828.32	6991.75	7239.53	7363.22	7649.58
53	8564.13	8240.23	7602.46	7124.53	6764.16	6706.71	6865.30	7119.56	7227.39	7541.39

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54	8395.72	8073.64	7416.26	6970.38	6631.97	6579.11	6725.19	6984.70	7076.54	7420.66
55	8191.32	7882.52	7221.67	6812.57	6495.11	6445.62	6580.01	6833.04	6920.10	7285.83
56	7963.24	7659.80	7014.02	6640.31	6357.10	6307.79	6422.63	6666.81	6767.39	7132.25
57	7709.99	7406.92	6801.72	6468.01	6213.60	6162.52	6254.03	6481.15	6622.16	6968.74
58	7439.90	7121.57	6578.82	6284.90	6066.99	6014.61	6074.28	6284.04	6493.81	6801.34
59	7150.10	6810.08	6346.10	6100.23	5914.93	5858.11	5881.99	6083.52	6381.30	6633.40
60	6849.48	6483.95	6117.36	5903.35	5753.49	5699.97	5681.54	5878.66	6276.55	6472.30
61	6526.73	6154.16	5874.64	5701.23	5591.26	5540.12	5468.19	5676.90	6174.10	6313.19
62	6178.51	5817.09	5632.83	5487.86	5418.93	5364.75	5246.84	5479.45	6058.34	6143.95
63	5799.99	5490.24	5393.41	5273.64	5247.94	5191.26	5016.56	5288.65	5909.06	5958.78
64	5367.89	5157.10	5149.92	5049.62	5071.09	5005.27	4791.08	5079.46	5714.99	5744.08
65	4900.72	4808.81	4895.78	4828.71	4879.22	4814.78	4557.11	4855.17	5465.50	5499.89
66	4413.94	4444.07	4648.15	4607.98	4653.13	4610.93	4338.81	4615.57	5161.30	5216.52
67	3938.58	4055.52	4386.29	4385.64	4385.20	4399.03	4132.56	4357.87	4810.38	4900.63
68	3506.33	3660.09	4110.49	4148.06	4078.38	4151.28	3946.46	4090.44	4422.11	4560.49
69	3115.13	3257.99	3801.46	3865.70	3721.19	3868.64	3772.49	3808.05	4008.93	4221.02
70	2755.36	2849.40	3430.61	3548.64	3344.12	3544.56	3594.46	3511.73	3579.66	3882.32
71	2388.86	2428.09	2982.42	3172.81	2924.18	3185.97	3371.09	3191.45	3120.78	3525.84
72	2013.74	2011.75	2461.45	2750.04	2509.94	2804.04	3078.32	2820.43	2666.09	3130.71
73	1646.69	1624.98	1969.52	2287.42	2089.50	2384.27	2676.87	2398.00	2226.86	2682.12
74	1308.14	1279.45	1493.29	1819.46	1711.76	1948.17	2182.12	1960.19	1807.84	2197.43
75	1023.00	1015.16	1116.17	1391.75	1473.59	1617.73	1713.93	1588.49	1466.57	1781.71
76	819.93	805.75	821.27	1077.96	1235.41	1287.30	1245.73	1216.78	1127.43	1365.99
77	656.56	652.91	617.96	851.78	997.31	957.88	779.25	845.87	900.60	950.69
78	522.44	532.01	484.61	659.08	773.98	759.13	533.53	632.69	709.52	717.25
79	389.24	412.11	353.48	536.00	549.45	599.35	399.97	486.98	520.89	530.57
80	256.04	292.21	280.07	414.88	335.55	463.64	316.21	368.50	343.39	367.85
81	203.12	218.96	231.16	293.75	222.77	354.68	256.28	270.96	240.67	259.88
82	166.51	176.19	195.60	228.53	184.92	285.50	212.59	214.70	197.11	199.41
83	134.43	141.12	161.07	176.41	147.07	233.28	182.25	176.60	153.55	159.89
84	111.47	106.91	125.26	134.23	109.53	185.00	153.18	138.50	110.02	120.36
85	81.28	76.02	91.97	93.68	81.77	136.72	123.86	100.38	67.86	80.60
86	56.90	53.93	61.12	64.88	59.37	88.47	87.25	49.31	45.38	54.34
87	32.56	31.90	38.29	45.34	39.75	49.59	58.74	33.10	22.89	28.07
88	8.21	9.86	15.59	25.97	26.73	33.24	30.23	16.90	0.58	2.00
89	5.19	7.37	11.25	6.60	13.70	16.88	1.87	0.83	0.61	0.70
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 : MPLSEL40HTT5-34000LM3K.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	10192.11	10192.11	10192.11	10192.11	10192.11	10192.11	10192.11
1	10170.55	10183.03	10205.39	10218.68	10227.69	10234.01	10231.82
2	10148.77	10175.38	10210.68	10241.52	10260.45	10272.75	10273.93
3	10129.33	10164.82	10220.23	10261.31	10292.67	10309.65	10307.39
4	10103.81	10153.75	10223.96	10282.50	10324.85	10347.82	10350.90
5	10078.81	10140.85	10226.17	10296.42	10350.01	10384.15	10384.96
6	10054.00	10127.53	10226.82	10309.67	10377.86	10420.93	10423.39
7	10026.57	10110.71	10223.32	10323.36	10404.00	10452.99	10458.12
8	10000.90	10089.72	10212.70	10325.97	10425.51	10487.18	10491.76
9	9974.30	10070.11	10202.61	10333.06	10446.17	10513.95	10523.11
10	9947.32	10045.83	10193.84	10338.33	10464.57	10544.56	10554.52
11	9919.18	10025.79	10180.22	10342.09	10479.39	10574.49	10585.93
12	9891.57	10001.88	10167.47	10341.27	10496.70	10600.59	10617.64
13	9861.60	9977.96	10152.29	10345.44	10508.65	10623.92	10645.89
14	9834.20	9953.82	10138.92	10340.71	10518.16	10645.07	10671.81
15	9804.25	9931.62	10122.26	10335.33	10527.14	10664.44	10693.20
16	9778.94	9906.84	10106.53	10327.27	10532.41	10677.88	10712.08
17	9752.07	9879.37	10088.61	10315.94	10533.15	10688.59	10727.60
18	9722.06	9851.24	10066.13	10300.98	10533.38	10701.31	10741.53
19	9691.99	9820.13	10041.82	10285.72	10529.23	10708.33	10749.65
20	9661.11	9788.19	10016.52	10267.15	10525.90	10713.64	10755.87
21	9628.02	9755.79	9986.37	10245.58	10517.11	10712.61	10757.01
22	9593.48	9724.69	9956.91	10221.46	10498.80	10706.00	10749.55
23	9557.99	9694.45	9925.06	10191.42	10477.29	10697.40	10741.61
24	9515.81	9655.24	9887.68	10161.44	10454.49	10683.30	10723.38
25	9470.98	9618.87	9847.52	10130.74	10423.60	10663.03	10692.50
26	9423.88	9577.07	9808.61	10090.68	10389.26	10636.42	10666.07
27	9373.22	9535.29	9768.24	10048.97	10351.30	10606.62	10629.15
28	9323.22	9491.62	9727.51	10004.22	10307.71	10569.79	10591.76
29	9273.61	9445.79	9685.91	9957.39	10261.71	10527.99	10547.29
30	9217.03	9401.75	9641.04	9906.53	10217.59	10485.42	10499.78
31	9159.22	9348.94	9600.41	9855.13	10170.41	10438.41	10457.08
32	9100.14	9294.11	9551.17	9800.26	10121.40	10392.34	10407.38
33	9043.29	9239.71	9491.38	9741.43	10071.88	10342.78	10355.56
34	8985.29	9182.67	9418.84	9677.33	10020.91	10291.82	10297.90
35	8927.80	9120.14	9349.98	9606.96	9964.34	10235.92	10240.64
36	8873.16	9048.36	9276.99	9536.49	9906.08	10179.19	10179.76

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5-34000LM3K.IES**

**CANDELA TABULATION - (Cont.)**

37	8815.79	8978.34	9208.02	9465.47	9844.28	10119.45	10114.27
38	8760.01	8907.59	9133.78	9388.59	9788.64	10054.11	10042.61
39	8694.95	8839.33	9055.25	9314.34	9723.31	9986.22	9971.36
40	8627.94	8765.68	8980.14	9239.98	9657.24	9914.26	9897.14
41	8562.92	8691.06	8899.17	9164.49	9581.90	9841.47	9817.35
42	8495.49	8616.33	8812.90	9083.30	9509.25	9758.63	9736.21
43	8427.90	8539.52	8728.96	8998.13	9432.49	9673.72	9646.98
44	8361.81	8461.29	8642.49	8915.74	9349.19	9583.64	9559.26
45	8295.22	8380.22	8549.22	8825.45	9264.41	9496.13	9467.61
46	8226.94	8292.51	8456.58	8730.07	9173.18	9396.38	9370.86
47	8153.63	8206.75	8360.51	8629.98	9071.99	9294.72	9276.45
48	8080.92	8116.93	8261.91	8523.91	8963.86	9187.48	9176.44
49	8003.28	8022.70	8159.15	8414.17	8851.90	9070.72	9071.22
50	7921.74	7929.05	8056.05	8300.64	8732.67	8951.40	8962.49
51	7842.29	7828.02	7944.01	8178.49	8603.39	8822.82	8843.37
52	7758.91	7722.68	7829.00	8050.40	8466.61	8687.03	8713.99
53	7668.68	7612.38	7710.68	7912.02	8319.53	8541.16	8564.13
54	7570.14	7495.19	7587.01	7770.06	8160.71	8380.90	8395.72
55	7461.49	7374.26	7456.26	7622.12	7996.12	8200.74	8191.32
56	7337.49	7246.88	7316.11	7472.34	7818.01	7995.59	7963.24
57	7203.22	7119.80	7174.64	7318.21	7630.33	7765.66	7709.99
58	7052.33	6986.98	7032.05	7159.12	7426.93	7511.30	7439.90
59	6879.75	6847.41	6880.60	6993.24	7211.44	7229.10	7150.10
60	6688.60	6700.71	6731.02	6820.57	6985.89	6923.01	6849.48
61	6468.11	6545.20	6569.93	6639.38	6748.56	6616.25	6526.73
62	6218.04	6373.74	6412.37	6435.32	6490.30	6302.00	6178.51
63	5944.10	6183.45	6250.40	6229.61	6223.03	5994.91	5799.99
64	5648.99	5974.33	6088.96	6013.84	5943.97	5676.31	5367.89
65	5352.79	5752.55	5933.59	5781.52	5654.22	5341.34	4900.72
66	5058.47	5515.05	5770.57	5554.78	5363.88	4985.68	4413.94
67	4779.43	5279.12	5598.15	5315.10	5072.11	4606.08	3938.58
68	4521.57	5030.14	5395.78	5062.79	4800.47	4204.80	3506.33
69	4289.24	4774.39	5166.41	4797.56	4556.12	3808.79	3115.13
70	4093.28	4511.06	4895.65	4523.50	4309.10	3406.92	2755.36
71	3906.53	4238.68	4583.54	4236.00	4031.80	2985.62	2388.86
72	3703.32	3961.81	4224.58	3939.72	3676.02	2553.77	2013.74
73	3410.48	3643.98	3787.49	3622.74	3205.27	2109.33	1646.69
74	2974.87	3260.26	3241.82	3232.14	2620.37	1670.45	1308.14
75	2389.49	2752.76	2624.96	2701.97	1987.42	1294.66	1023.00
76	1843.15	2165.40	2095.43	2097.39	1405.11	986.87	819.93
77	1296.82	1710.75	1706.37	1539.78	960.07	771.64	656.56
78	756.58	1256.09	1391.80	1140.03	678.11	627.72	522.44
79	492.89	805.62	1045.78	851.59	546.40	486.05	389.24
80	355.36	567.73	625.71	610.27	418.82	344.37	256.04
81	266.59	375.38	469.31	443.60	291.24	244.39	203.12
82	199.80	267.07	318.02	278.35	215.08	190.44	166.51
83	165.70	201.47	166.73	200.71	165.90	149.58	134.43
84	131.60	162.42	120.22	147.63	132.01	114.77	111.47
85	97.56	123.36	89.84	101.76	100.98	81.62	81.28
86	65.34	84.39	65.20	67.43	66.46	57.22	56.90
87	43.83	56.77	44.61	45.91	53.35	32.89	32.56
88	22.32	29.15	24.10	24.61	40.62	8.55	8.21
89	0.98	1.68	3.59	3.32	27.89	6.42	5.19
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 : MPLSEL40HTT5-34000LM3K.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 : MPLSEL40HTT5-34000LM3K.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 : MPLSEL40HTT5-34000LM3K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3819.98	N.A.	11.10
0-30	8330.96	N.A.	24.30
0-40	14109.66	N.A.	41.10
0-60	27133.53	N.A.	79.00
0-80	34194.22	N.A.	99.60
0-90	34328.8	N.A.	100.00
10-90	33358.45	N.A.	97.20
20-40	10289.68	N.A.	30.00
20-50	16821.28	N.A.	49.00
40-70	18122.12	N.A.	52.80
60-80	7060.69	N.A.	20.60
70-80	1962.44	N.A.	5.70
80-90	134.58	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	34328.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	970.35
10-20	2849.64
20-30	4510.98
30-40	5778.7
40-50	6531.6
50-60	6492.27
60-70	5098.25
70-80	1962.44
80-90	134.58
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 : MPLSEL40HTT5-34000LM3K.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	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	87	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	32
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

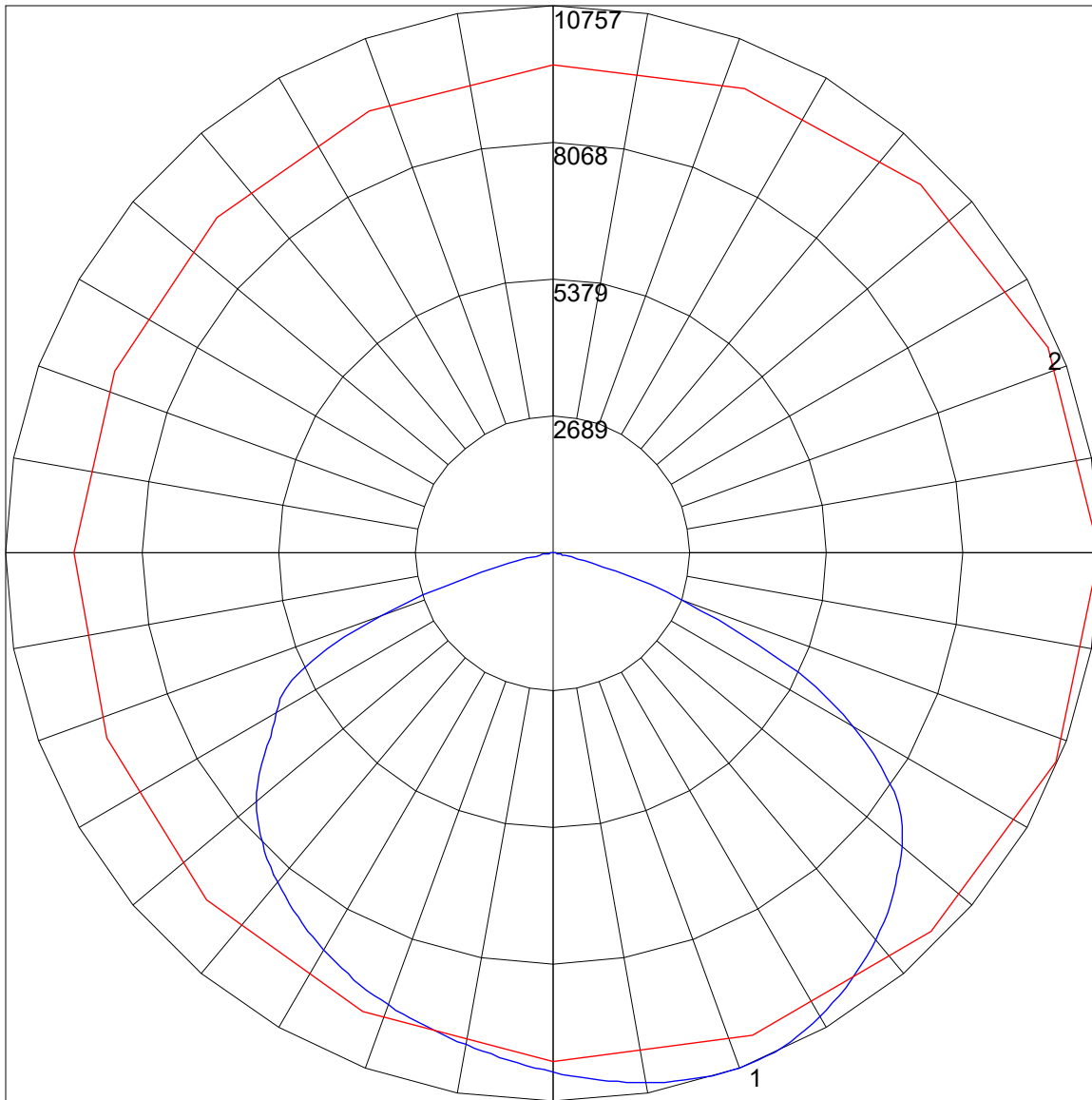
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5-34000LM3K.IES**

**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	30.8	32.5	31.2	32.8	33.1	29.6	31.2	29.9	31.6	31.9
	3H	31.9	33.5	32.3	33.8	34.1	31.4	33.0	31.8	33.3	33.6
	4H	32.1	33.5	32.5	33.8	34.2	31.7	33.1	32.1	33.5	33.9
	6H	32.0	33.4	32.4	33.7	34.1	31.7	33.1	32.1	33.4	33.8
	8H	32.0	33.3	32.4	33.7	34.1	31.7	33.0	32.1	33.4	33.8
	12H	32.0	33.2	32.4	33.6	34.0	31.7	32.9	32.1	33.3	33.7
4H	2H	31.4	32.8	31.8	33.2	33.6	30.3	31.7	30.7	32.0	32.4
	3H	32.7	33.9	33.1	34.3	34.7	32.3	33.5	32.7	33.9	34.3
	4H	32.9	33.9	33.3	34.3	34.8	32.6	33.7	33.0	34.1	34.5
	6H	32.9	33.8	33.3	34.2	34.7	32.7	33.6	33.1	34.0	34.5
	8H	32.8	33.7	33.3	34.2	34.6	32.6	33.5	33.1	33.9	34.4
	12H	32.8	33.6	33.3	34.1	34.6	32.6	33.4	33.1	33.9	34.3
8H	4H	33.0	33.9	33.4	34.3	34.8	32.7	33.5	33.1	34.0	34.4
	6H	33.0	33.7	33.5	34.2	34.7	32.7	33.5	33.2	33.9	34.4
	8H	33.0	33.6	33.5	34.1	34.6	32.7	33.4	33.2	33.9	34.3
	12H	33.0	33.5	33.5	34.0	34.6	32.7	33.3	33.2	33.8	34.3
12H	4H	33.0	33.8	33.5	34.2	34.7	32.7	33.4	33.1	33.9	34.4
	6H	33.0	33.6	33.5	34.1	34.6	32.7	33.4	33.2	33.8	34.4
	8H	33.0	33.5	33.5	34.0	34.6	32.7	33.3	33.2	33.8	34.3

Maximum UGR = 34.8

POLAR GRAPH



Maximum Candela = 10757.01 Located At Horizontal Angle = 0, Vertical Angle = 21  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (21) (Through Max. Cd.)