

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-34000LM4K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] DG3221028-50024E-EE  
[TESTLAB] Bay Area Compliance Labs Corp.  
[TESTDATE] 2022-10-29  
[ISSUEDATE] 2022-11-23 22:27:50  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL40HTT5HV-34000LM4K  
[LAMP] N/A

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	35413
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	245.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.44
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	158083	151483	142874
55	167405	158126	150897
65	139947	139785	147621
75	45572	39552	67409
85	8016	9682	11097

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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	9804.93	9804.93	9804.93	9804.93	9804.93	9804.93	9804.93	9804.93	9804.93	9804.93
1	9841.48	9838.46	9830.56	9819.54	9805.38	9791.10	9780.01	9771.51	9768.11	9770.55
2	9878.81	9873.05	9856.27	9833.47	9806.23	9777.88	9754.48	9737.33	9730.32	9735.60
3	9916.24	9907.00	9881.40	9847.98	9806.23	9764.86	9728.24	9702.76	9693.11	9699.78
4	9953.13	9939.82	9906.75	9855.19	9806.68	9749.46	9701.39	9666.34	9654.01	9664.55
5	9991.32	9972.47	9930.67	9874.98	9806.88	9735.44	9673.93	9630.55	9615.56	9628.27
6	10029.23	10005.16	9953.88	9889.60	9806.22	9721.01	9646.62	9595.78	9579.01	9593.53
7	10067.13	10038.73	9976.96	9901.84	9805.77	9706.15	9618.25	9562.22	9542.92	9560.00
8	10104.55	10071.53	9997.79	9913.13	9804.20	9689.88	9590.84	9528.40	9508.84	9526.62
9	10142.60	10103.45	10018.16	9912.69	9801.38	9671.98	9563.49	9495.85	9473.92	9493.98
10	10178.76	10133.35	10036.54	9920.20	9797.70	9654.69	9539.13	9464.29	9439.55	9463.43
11	10214.06	10162.18	10052.85	9930.40	9793.93	9639.97	9516.29	9435.36	9405.17	9433.64
12	10247.36	10188.93	10068.28	9942.69	9787.97	9625.67	9495.65	9407.25	9372.87	9404.43
13	10279.87	10213.85	10081.74	9945.30	9780.92	9611.16	9476.02	9380.58	9340.88	9375.86
14	10309.93	10236.67	10092.62	9946.80	9773.38	9597.00	9456.02	9355.30	9308.63	9346.19
15	10337.24	10255.92	10102.44	9946.42	9764.32	9582.51	9433.65	9329.49	9277.31	9317.33
16	10362.55	10272.35	10108.08	9943.37	9753.64	9566.78	9410.71	9303.11	9247.25	9287.72
17	10383.78	10285.53	10111.76	9933.92	9741.88	9550.29	9387.60	9274.67	9216.91	9257.81
18	10402.36	10294.36	10109.69	9929.50	9730.19	9532.51	9364.05	9247.13	9188.28	9229.18
19	10416.60	10299.27	10103.77	9918.40	9717.47	9513.84	9339.58	9217.30	9157.20	9197.89
20	10424.50	10299.74	10093.76	9904.92	9703.34	9493.84	9313.90	9185.30	9127.20	9167.25
21	10427.80	10294.95	10079.55	9889.65	9687.01	9471.80	9286.51	9151.62	9095.67	9135.96
22	10425.18	10283.62	10063.53	9871.81	9669.32	9448.18	9255.98	9117.83	9062.51	9103.47
23	10415.72	10266.75	10042.35	9850.31	9648.89	9423.22	9224.60	9080.41	9028.55	9070.19
24	10401.11	10246.85	10019.39	9825.96	9626.40	9395.21	9190.18	9040.48	8991.82	9037.71
25	10383.98	10223.34	9993.41	9800.41	9601.53	9367.20	9154.59	8999.08	8953.39	9005.06
26	10362.45	10198.11	9967.70	9772.10	9573.89	9338.22	9116.30	8955.32	8911.66	8968.83
27	10338.54	10171.55	9939.49	9741.65	9543.52	9306.37	9078.06	8912.10	8867.68	8931.19
28	10311.92	10141.90	9910.69	9708.47	9510.34	9273.88	9040.64	8868.44	8822.32	8889.80
29	10284.05	10109.74	9878.13	9674.07	9474.21	9240.20	9003.63	8824.27	8778.01	8847.59
30	10256.57	10076.59	9844.56	9636.28	9434.94	9204.13	8968.55	8781.99	8732.74	8803.43
31	10228.65	10040.53	9808.83	9587.13	9392.42	9167.20	8932.59	8737.93	8688.62	8760.05
32	10198.29	10003.34	9771.32	9553.89	9346.79	9127.92	8894.85	8694.18	8648.10	8717.66
33	10163.22	9963.83	9730.32	9509.03	9299.13	9087.01	8855.69	8651.06	8609.56	8676.83
34	10122.43	9921.93	9687.35	9460.28	9247.89	9043.68	8814.88	8610.49	8574.02	8636.64
35	10079.87	9880.11	9643.30	9409.23	9195.23	8997.73	8771.90	8568.29	8537.64	8597.73
36	10031.35	9832.87	9594.29	9354.61	9137.48	8949.87	8726.93	8523.97	8500.07	8557.81
37	9979.93	9783.55	9545.44	9298.55	9079.01	8899.51	8680.92	8480.23	8464.45	8516.13
38	9922.07	9728.54	9491.16	9239.20	9015.42	8845.07	8632.03	8435.78	8424.66	8474.04
39	9859.54	9670.14	9434.34	9176.33	8949.56	8787.88	8581.28	8390.31	8383.79	8431.86
40	9794.53	9609.32	9373.35	9110.06	8879.76	8727.36	8529.00	8342.91	8339.18	8389.73
41	9721.82	9542.34	9309.37	9041.07	8807.94	8664.57	8475.60	8295.65	8293.68	8346.85
42	9646.21	9474.51	9241.18	8968.38	8731.28	8597.29	8419.33	8246.19	8244.70	8301.83
43	9564.31	9397.68	9167.36	8891.56	8653.17	8526.91	8362.46	8193.63	8193.08	8254.77
44	9480.25	9317.53	9087.26	8809.78	8575.13	8453.72	8304.26	8140.41	8140.32	8207.97
45	9393.65	9233.14	9001.43	8725.44	8489.88	8374.11	8242.25	8082.60	8083.92	8159.03
46	9303.05	9141.40	8905.61	8633.58	8406.88	8293.26	8178.94	8024.43	8025.37	8107.75
47	9213.57	9044.23	8805.41	8538.20	8315.05	8205.74	8112.18	7962.98	7964.63	8052.53
48	9119.72	8938.73	8687.31	8435.61	8220.10	8115.95	8041.12	7901.64	7901.96	7996.62
49	9021.02	8826.91	8572.37	8327.73	8116.48	8019.75	7966.05	7836.63	7834.02	7935.83
50	8909.67	8707.30	8447.19	8220.71	8007.82	7922.48	7886.14	7769.90	7761.90	7870.46
51	8782.32	8578.53	8306.12	8103.62	7890.30	7822.62	7798.47	7702.07	7685.26	7803.04
52	8638.93	8435.57	8154.38	7979.54	7755.95	7717.54	7706.63	7628.89	7602.08	7734.32
53	8471.33	8272.09	7988.63	7843.24	7608.52	7609.44	7606.69	7552.18	7503.40	7659.98

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54	8280.51	8085.72	7813.09	7685.51	7445.50	7484.05	7498.90	7461.77	7383.98	7578.40
55	8069.05	7874.58	7621.83	7511.00	7273.35	7349.98	7384.14	7355.68	7249.19	7480.21
56	7845.10	7631.03	7416.05	7306.80	7098.66	7198.24	7257.31	7224.41	7107.09	7364.83
57	7604.21	7374.23	7198.32	7090.26	6918.41	7034.80	7121.33	7074.06	6962.88	7225.70
58	7359.03	7088.73	6965.15	6854.62	6735.50	6853.77	6971.70	6904.61	6823.45	7072.35
59	7104.09	6798.75	6717.10	6614.36	6547.96	6665.43	6809.42	6730.99	6697.72	6912.67
60	6835.30	6500.08	6454.79	6365.33	6354.80	6464.99	6629.79	6556.01	6582.70	6754.98
61	6540.77	6201.07	6173.15	6109.99	6162.24	6258.20	6421.68	6377.07	6479.69	6599.54
62	6208.87	5881.75	5883.22	5845.65	5959.07	6039.35	6179.04	6199.52	6379.82	6443.99
63	5839.51	5561.43	5576.17	5581.73	5747.08	5823.39	5903.33	6015.84	6275.00	6301.77
64	5418.09	5210.74	5270.52	5312.91	5505.19	5595.58	5598.61	5821.17	6151.00	6158.51
65	4970.21	4839.59	4964.45	5038.07	5242.77	5363.32	5279.91	5611.54	5985.16	6000.22
66	4502.33	4447.92	4659.85	4754.19	4948.00	5103.10	4976.41	5363.92	5757.66	5800.45
67	4049.23	4042.13	4343.40	4459.78	4621.87	4811.92	4681.58	5099.18	5478.04	5569.49
68	3610.37	3643.41	3991.39	4142.60	4252.70	4487.17	4401.12	4798.15	5156.80	5302.26
69	3184.89	3247.64	3598.02	3792.41	3809.37	4126.86	4126.36	4475.70	4796.34	5010.40
70	2774.15	2848.51	3141.31	3398.89	3331.08	3742.42	3867.69	4150.49	4416.17	4708.16
71	2354.81	2436.97	2641.43	2956.82	2844.94	3309.59	3595.42	3809.39	4002.61	4385.29
72	1931.48	2028.28	2108.58	2492.50	2397.68	2862.89	3263.32	3444.64	3560.38	4048.95
73	1547.09	1648.25	1622.66	2025.06	2013.77	2412.56	2865.27	3023.09	3076.62	3659.78
74	1238.80	1281.85	1199.40	1604.68	1708.68	1971.26	2389.59	2551.92	2563.93	3215.40
75	991.20	974.81	860.26	1272.17	1466.14	1654.09	1895.41	2041.73	2028.84	2708.01
76	802.01	718.18	616.88	1016.19	1223.60	1336.92	1401.22	1662.07	1674.38	2173.02
77	619.73	583.93	501.27	798.70	981.18	1020.28	907.56	1282.41	1319.92	1740.39
78	462.58	449.77	385.75	611.54	749.60	809.26	640.38	905.25	968.06	1307.77
79	306.08	315.61	313.17	482.53	513.48	634.99	479.79	679.60	772.00	878.66
80	225.53	242.39	252.12	354.82	306.25	495.45	377.10	502.65	552.88	659.02
81	177.16	193.19	206.63	272.76	221.75	386.08	306.06	362.27	353.18	477.51
82	141.23	150.75	170.62	211.17	183.67	318.04	256.80	278.32	250.57	329.96
83	111.29	113.09	134.65	162.71	145.59	263.40	220.35	225.65	200.95	228.53
84	85.74	82.20	100.60	121.90	107.71	216.49	186.74	180.47	151.33	176.19
85	58.71	59.92	70.91	85.06	81.28	170.60	150.32	135.28	101.76	123.85
86	35.65	37.67	49.85	59.21	58.59	124.71	113.88	90.13	55.03	71.72
87	12.60	15.42	28.80	38.04	38.56	79.29	71.22	60.69	36.83	48.42
88	9.04	10.99	7.75	16.95	25.92	53.04	47.69	31.25	18.64	25.11
89	5.77	6.82	4.98	12.01	13.28	26.79	24.16	1.96	0.59	1.92
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-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	9804.93	9804.93	9804.93	9804.93	9804.93	9804.93	9804.93
1	9778.76	9791.27	9804.93	9818.75	9831.38	9838.92	9841.48
2	9750.35	9775.60	9804.49	9832.27	9857.04	9873.19	9878.81
3	9722.22	9757.96	9803.42	9846.79	9885.57	9908.70	9916.24
4	9693.26	9740.77	9802.56	9861.63	9913.68	9944.09	9953.13
5	9664.31	9723.27	9802.10	9876.19	9939.70	9979.19	9991.32
6	9635.29	9704.72	9800.37	9888.98	9966.36	10014.12	10029.23
7	9606.10	9687.33	9797.39	9903.55	9994.65	10050.46	10067.13
8	9578.21	9670.22	9794.50	9918.57	10023.09	10087.04	10104.55
9	9550.71	9653.47	9793.58	9933.34	10052.64	10122.63	10142.60
10	9523.50	9636.85	9792.06	9948.14	10083.13	10158.97	10178.76
11	9497.01	9620.44	9792.05	9962.06	10109.55	10195.38	10214.06
12	9471.73	9605.07	9791.84	9972.93	10133.30	10229.45	10247.36
13	9448.49	9591.44	9791.20	9983.30	10156.31	10261.01	10279.87
14	9424.64	9578.09	9791.39	9992.27	10173.83	10290.24	10309.93
15	9400.79	9557.64	9791.18	9998.36	10189.31	10316.19	10337.24
16	9377.78	9553.59	9789.46	10003.77	10202.94	10337.82	10362.55
17	9353.63	9541.20	9788.15	10007.24	10214.64	10357.04	10383.78
18	9329.64	9528.70	9785.34	10010.30	10224.24	10373.28	10402.36
19	9303.72	9516.74	9781.81	10010.58	10230.94	10387.25	10416.60
20	9278.86	9503.67	9776.13	10010.58	10233.58	10398.60	10424.50
21	9255.07	9488.47	9769.58	10009.05	10234.46	10403.65	10427.80
22	9230.37	9471.95	9762.62	10003.60	10232.29	10402.56	10425.18
23	9203.73	9454.63	9753.12	9996.19	10222.74	10397.07	10415.72
24	9177.32	9437.46	9741.06	9988.16	10210.08	10386.08	10401.11
25	9151.70	9419.97	9727.50	9975.92	10194.73	10371.27	10383.98
26	9123.19	9401.70	9713.33	9961.78	10175.63	10351.53	10362.45
27	9093.61	9381.02	9696.26	9944.52	10153.92	10327.87	10338.54
28	9060.53	9357.83	9677.46	9924.81	10129.61	10302.37	10311.92
29	9027.79	9334.11	9655.44	9901.52	10104.74	10275.16	10284.05
30	8993.90	9309.48	9632.09	9876.49	10078.18	10246.40	10256.57
31	8959.79	9282.86	9604.53	9847.73	10050.93	10214.45	10228.65
32	8925.13	9255.83	9580.08	9818.93	10021.99	10175.84	10198.29
33	8893.15	9226.81	9553.51	9785.52	9989.02	10134.45	10163.22
34	8860.03	9196.77	9526.10	9750.07	9953.49	10088.65	10122.43
35	8829.55	9163.67	9492.52	9712.05	9915.37	10041.62	10079.87
36	8796.05	9130.78	9449.14	9672.51	9875.93	9991.11	10031.35

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-34000LM4K.IES**

**CANDELA TABULATION - (Cont.)**

37	8761.98	9095.71	9400.91	9629.95	9835.40	9939.75	9979.93
38	8726.74	9050.40	9353.70	9585.26	9793.87	9884.58	9922.07
39	8691.23	9001.38	9305.83	9536.18	9746.46	9825.71	9859.54
40	8653.93	8948.73	9258.59	9488.00	9696.68	9764.19	9794.53
41	8615.22	8898.92	9209.89	9434.99	9644.52	9699.07	9721.82
42	8573.11	8846.06	9158.97	9379.97	9587.72	9629.32	9646.21
43	8526.84	8794.36	9107.10	9319.55	9527.73	9558.01	9564.31
44	8481.57	8741.49	9052.16	9256.16	9464.40	9484.06	9480.25
45	8433.23	8686.72	8994.73	9190.59	9399.05	9407.74	9393.65
46	8385.11	8630.41	8932.14	9121.21	9326.05	9325.51	9303.05
47	8334.67	8572.68	8867.45	9052.97	9246.44	9242.85	9213.57
48	8281.01	8511.87	8795.57	8977.88	9157.27	9147.62	9119.72
49	8221.59	8445.76	8718.46	8894.52	9059.63	9051.60	9021.02
50	8159.80	8373.55	8639.90	8807.18	8960.17	8951.96	8909.67
51	8092.18	8299.32	8555.37	8711.02	8850.38	8845.28	8782.32
52	8023.13	8222.81	8464.66	8606.19	8734.02	8726.30	8638.93
53	7950.39	8138.97	8367.70	8491.87	8608.06	8588.17	8471.33
54	7876.27	8054.40	8257.42	8370.51	8473.95	8434.95	8280.51
55	7796.93	7960.40	8135.79	8233.76	8331.66	8256.22	8069.05
56	7711.51	7854.29	8005.66	8079.56	8179.72	8056.61	7845.10
57	7619.66	7733.94	7870.15	7913.77	8016.54	7839.36	7604.21
58	7518.07	7608.77	7727.97	7736.98	7840.45	7599.27	7359.03
59	7401.24	7476.10	7581.05	7554.92	7643.64	7344.96	7104.09
60	7270.79	7333.04	7429.42	7358.69	7431.83	7079.22	6835.30
61	7115.98	7178.73	7270.06	7153.01	7196.47	6813.83	6540.77
62	6928.34	7012.55	7109.69	6935.05	6937.36	6527.60	6208.87
63	6703.90	6836.13	6957.02	6708.33	6659.82	6225.44	5839.51
64	6436.81	6640.40	6801.01	6477.43	6361.76	5887.89	5418.09
65	6139.07	6440.79	6629.95	6247.14	6045.25	5511.93	4970.21
66	5823.04	6234.67	6445.11	6010.20	5721.39	5102.00	4502.33
67	5507.87	6008.87	6225.95	5747.07	5379.56	4664.35	4049.23
68	5198.75	5747.65	5982.02	5462.17	5022.58	4221.79	3610.37
69	4912.10	5477.82	5686.19	5162.66	4655.42	3778.06	3184.89
70	4650.14	5178.49	5324.87	4831.16	4259.13	3337.87	2774.15
71	4432.49	4844.59	4897.64	4462.37	3807.22	2892.49	2354.81
72	4225.86	4471.37	4444.91	4053.43	3283.74	2448.82	1931.48
73	3977.12	4086.38	3949.34	3609.71	2689.18	2019.56	1547.09
74	3623.10	3678.72	3365.48	3088.74	2071.48	1605.23	1238.80
75	3135.69	3193.75	2798.41	2467.45	1477.69	1251.93	991.20
76	2557.74	2616.66	2322.27	1860.33	1002.49	954.75	802.01
77	1997.68	1996.41	1949.50	1419.91	695.28	717.66	619.73
78	1437.63	1616.14	1628.02	1102.93	570.21	570.59	462.58
79	882.47	1235.86	1288.31	843.34	450.36	426.04	306.08
80	576.40	855.95	843.32	631.82	330.51	281.49	225.53
81	412.51	593.89	621.15	490.58	255.87	210.10	177.16
82	301.41	399.52	402.66	350.30	197.66	163.46	141.23
83	221.89	269.75	184.18	210.01	154.77	121.52	111.29
84	179.37	217.31	136.61	151.72	121.97	91.31	85.74
85	136.85	164.88	103.06	104.09	90.56	61.63	58.71
86	94.34	113.08	77.48	69.96	57.73	39.24	35.65
87	54.92	80.50	55.85	48.29	33.87	16.87	12.60
88	36.79	53.81	34.28	26.85	10.17	11.88	9.04
89	18.66	27.11	12.71	5.40	7.19	7.14	5.77
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-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 : MPLSEL40HTT5HV-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 : MPLSEL40HTT5HV-34000LM4K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3707.75	N.A.	10.50
0-30	8164.27	N.A.	23.10
0-40	13996.15	N.A.	39.50
0-60	27630.25	N.A.	78.00
0-80	35257.9	N.A.	99.60
0-90	35412.97	N.A.	100.00
10-90	34477.38	N.A.	97.40
20-40	10288.39	N.A.	29.10
20-50	17039.81	N.A.	48.10
40-70	19139.72	N.A.	54.00
60-80	7627.65	N.A.	21.50
70-80	2122.04	N.A.	6.00
80-90	155.07	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	35412.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	935.58
10-20	2772.17
20-30	4456.52
30-40	5831.87
40-50	6751.42
50-60	6882.69
60-70	5505.61
70-80	2122.04
80-90	155.07
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-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	76	85	79	75	81	77	73	78	75	71	69
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	81	69	60	53	79	67	59	52	65	58	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	54	45	39	66	53	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	29	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	28	24	35	28	23	34	28	23	21

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-34000LM4K.IES**

**UGR TABLE - CORRECTED**

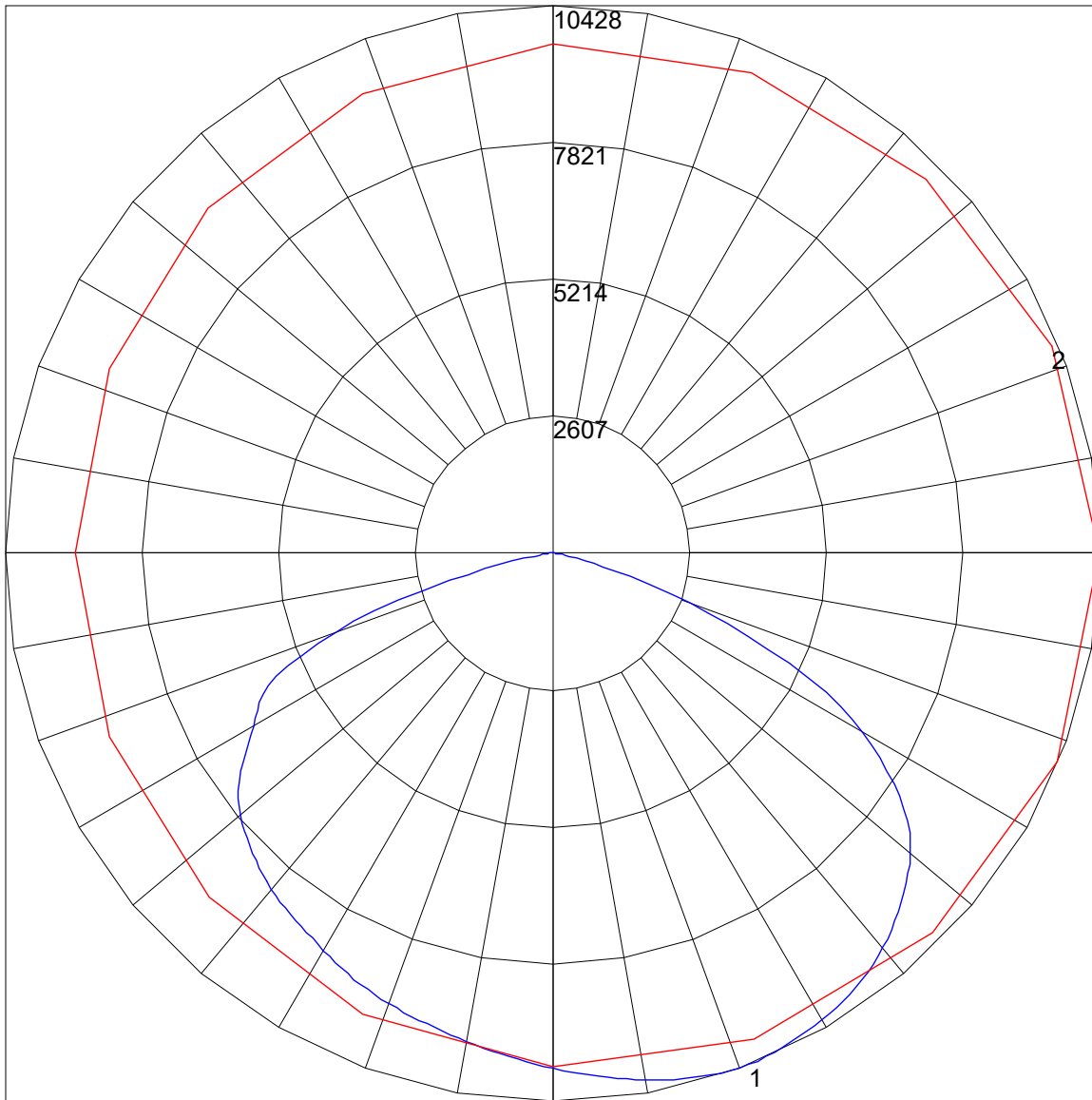
Reflectances

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	30.7	32.4	31.1	32.7	33.0	30.2	31.9	30.5	32.2	32.5
	3H	31.8	33.4	32.2	33.7	34.1	31.8	33.4	32.2	33.7	34.1
	4H	31.9	33.4	32.3	33.7	34.1	32.0	33.5	32.4	33.8	34.2
	6H	31.9	33.2	32.3	33.6	34.0	32.1	33.4	32.5	33.8	34.2
	8H	31.9	33.2	32.3	33.6	34.0	32.0	33.3	32.5	33.7	34.1
	12H	31.9	33.1	32.3	33.5	33.9	32.0	33.3	32.5	33.6	34.1
4H	2H	31.4	32.8	31.8	33.1	33.5	30.8	32.3	31.2	32.6	33.0
	3H	32.6	33.8	33.0	34.2	34.6	32.6	33.8	33.0	34.2	34.6
	4H	32.7	33.8	33.2	34.2	34.7	32.8	33.9	33.3	34.4	34.8
	6H	32.7	33.7	33.2	34.1	34.6	32.9	33.9	33.4	34.3	34.8
	8H	32.7	33.6	33.2	34.0	34.5	32.9	33.8	33.4	34.2	34.7
	12H	32.7	33.5	33.2	34.0	34.4	32.9	33.7	33.4	34.1	34.6
8H	4H	32.8	33.7	33.3	34.2	34.6	33.0	33.8	33.4	34.3	34.7
	6H	32.8	33.5	33.3	34.0	34.5	33.0	33.7	33.5	34.2	34.7
	8H	32.8	33.4	33.3	34.0	34.4	33.0	33.6	33.5	34.1	34.6
	12H	32.8	33.4	33.3	33.8	34.4	33.0	33.5	33.5	34.0	34.6
12H	4H	32.8	33.6	33.3	34.1	34.6	32.9	33.7	33.4	34.2	34.7
	6H	32.8	33.5	33.3	33.9	34.5	33.0	33.6	33.5	34.1	34.6
	8H	32.8	33.4	33.3	33.9	34.4	33.0	33.5	33.5	34.0	34.6

Maximum UGR = 34.8

POLAR GRAPH



Maximum Candela = 10427.8 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.)