

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-34000LM3K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-50024E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-10-29
[ISSUE DATE] 2022-11-23 20:59:28
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT5HV-34000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	33918
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	245.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.30 m
Luminous Width (90-270)	0.28 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	155929	141739	125325
55	162193	143633	131175
65	123533	130649	135438
75	39135	41015	65977
85	8214	9945	10812

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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	10100.29	10100.29	10100.29	10100.29	10100.29	10100.29	10100.29	10100.29	10100.29	10100.29
1	10140.50	10131.81	10117.39	10099.67	10081.59	10067.15	10057.92	10055.05	10057.91	10067.51
2	10180.63	10161.91	10131.95	10097.34	10061.32	10033.24	10014.78	10008.61	10015.22	10034.29
3	10220.14	10191.47	10145.42	10092.75	10039.21	9997.38	9970.34	9960.98	9971.68	10000.76
4	10257.51	10219.38	10157.02	10086.56	10015.72	9961.31	9925.37	9914.51	9929.08	9966.76
5	10294.28	10245.45	10166.65	10078.50	9990.68	9923.97	9880.92	9868.66	9886.99	9932.56
6	10330.92	10271.04	10174.40	10068.85	9965.03	9886.65	9836.68	9822.43	9844.98	9898.72
7	10366.04	10294.53	10181.23	10057.77	9937.25	9847.70	9792.69	9776.83	9803.79	9864.74
8	10400.57	10316.89	10186.14	10045.20	9908.63	9809.40	9748.72	9733.72	9764.40	9832.23
9	10435.55	10336.59	10189.14	10030.71	9878.49	9770.54	9704.61	9690.14	9724.69	9798.88
10	10469.25	10355.80	10190.74	10014.05	9847.31	9730.18	9662.07	9646.99	9685.49	9765.81
11	10501.60	10373.05	10189.87	9994.76	9814.06	9690.68	9618.46	9604.85	9648.22	9733.41
12	10530.89	10388.45	10187.06	9974.88	9780.44	9650.40	9576.46	9562.63	9611.68	9700.59
13	10558.01	10400.64	10181.56	9952.50	9744.07	9608.43	9534.73	9521.35	9574.83	9666.65
14	10581.78	10410.84	10173.71	9928.38	9705.42	9564.32	9491.40	9479.29	9537.57	9633.37
15	10602.48	10418.19	10163.35	9900.55	9665.55	9519.78	9447.39	9437.28	9500.48	9601.43
16	10618.83	10422.99	10150.08	9871.13	9622.24	9472.96	9400.75	9395.15	9462.97	9568.78
17	10632.21	10425.74	10134.28	9838.04	9576.75	9424.28	9353.88	9353.52	9425.20	9535.92
18	10642.25	10422.09	10113.48	9801.11	9530.17	9374.42	9306.46	9312.00	9389.64	9503.64
19	10648.90	10415.51	10088.89	9762.63	9480.19	9321.54	9256.57	9267.45	9353.16	9469.10
20	10648.88	10404.06	10058.00	9718.66	9428.83	9266.31	9205.68	9224.11	9317.26	9435.97
21	10643.74	10386.48	10022.71	9672.60	9374.45	9209.53	9152.23	9179.05	9279.86	9401.56
22	10633.02	10361.79	9983.56	9621.92	9318.90	9149.74	9095.93	9131.85	9241.85	9366.98
23	10616.60	10333.45	9937.45	9566.65	9258.08	9088.07	9036.83	9080.99	9201.97	9329.99
24	10591.90	10300.44	9889.30	9508.27	9198.38	9023.12	8976.57	9029.13	9160.56	9291.29
25	10562.68	10263.27	9839.43	9449.17	9133.36	8958.75	8915.06	8976.46	9118.94	9253.28
26	10528.06	10223.28	9788.70	9386.19	9066.80	8891.16	8853.86	8919.17	9073.65	9211.01
27	10489.37	10180.44	9734.38	9321.33	8998.09	8823.37	8793.58	8862.10	9027.56	9164.80
28	10447.50	10135.02	9680.45	9254.80	8927.89	8755.69	8734.05	8804.84	8979.72	9117.29
29	10402.33	10087.79	9621.45	9185.42	8855.22	8687.70	8673.60	8747.02	8929.81	9067.95
30	10356.70	10039.43	9561.55	9114.84	8779.07	8617.14	8614.69	8689.02	8878.92	9016.55
31	10309.50	9989.66	9500.59	9041.74	8701.77	8547.77	8555.48	8632.29	8827.75	8964.35
32	10258.76	9938.45	9439.26	8968.33	8622.32	8477.06	8494.80	8576.57	8779.40	8909.42
33	10203.52	9885.53	9375.53	8890.36	8542.01	8403.48	8433.78	8521.97	8728.71	8852.75
34	10143.70	9828.74	9309.10	8810.59	8457.55	8330.80	8371.42	8468.14	8676.82	8796.78
35	10081.50	9768.97	9243.39	8730.61	8372.30	8254.24	8307.38	8413.32	8622.96	8742.78
36	10013.84	9703.33	9176.76	8649.55	8283.40	8177.60	8241.76	8356.71	8567.65	8686.04
37	9945.16	9634.45	9109.64	8568.47	8197.31	8099.01	8173.72	8299.50	8512.79	8629.60
38	9871.49	9559.50	9037.57	8483.48	8108.46	8018.73	8104.15	8239.50	8454.30	8573.68
39	9795.57	9480.16	8963.65	8396.55	8019.04	7936.84	8031.78	8178.53	8395.39	8517.37
40	9715.97	9401.40	8884.94	8309.77	7927.41	7852.92	7958.26	8116.06	8336.20	8460.25
41	9632.94	9318.00	8802.42	8218.81	7837.46	7768.03	7883.31	8051.68	8274.86	8403.14
42	9545.43	9234.09	8713.72	8129.93	7741.08	7680.09	7805.62	7984.86	8211.26	8343.73
43	9453.12	9144.14	8620.99	8037.23	7643.50	7589.10	7726.00	7915.48	8144.47	8283.33
44	9360.97	9052.64	8523.94	7943.24	7547.43	7499.98	7646.35	7846.27	8076.80	8221.30
45	9265.65	8957.62	8422.46	7848.00	7447.09	7404.19	7564.24	7773.16	8003.25	8155.15
46	9166.93	8858.20	8313.23	7747.68	7345.54	7309.77	7480.51	7696.48	7926.35	8086.70
47	9066.48	8751.37	8198.45	7644.51	7243.73	7211.60	7394.21	7616.74	7844.66	8016.27
48	8960.21	8636.71	8071.59	7535.02	7139.73	7112.09	7305.16	7533.26	7759.89	7944.52
49	8846.35	8516.92	7934.01	7417.85	7032.88	7009.04	7210.21	7447.35	7671.94	7869.94
50	8722.73	8392.14	7793.73	7298.63	6924.59	6901.94	7113.06	7359.35	7579.70	7792.47
51	8579.03	8254.99	7640.41	7169.53	6813.18	6793.51	7009.31	7268.58	7482.93	7712.15
52	8423.39	8104.71	7477.87	7033.46	6698.02	6680.05	6901.23	7171.35	7378.60	7629.07
53	8243.45	7934.37	7304.20	6891.08	6577.15	6567.43	6786.64	7069.31	7261.39	7540.57

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54	8040.66	7745.33	7118.60	6739.94	6452.79	6447.33	6662.85	6957.18	7123.17	7444.63
55	7817.86	7527.42	6923.23	6581.70	6322.74	6328.43	6528.39	6831.17	6967.42	7334.50
56	7574.41	7280.13	6716.12	6416.48	6192.19	6197.98	6385.86	6683.65	6805.78	7201.13
57	7317.46	7008.11	6501.35	6247.73	6056.92	6067.26	6235.92	6514.41	6642.23	7044.17
58	7046.58	6715.53	6278.61	6069.18	5917.90	5923.03	6072.10	6327.30	6493.75	6868.98
59	6756.80	6407.10	6053.25	5885.12	5774.41	5781.52	5897.05	6133.41	6365.41	6690.03
60	6447.63	6091.97	5827.69	5695.93	5626.29	5628.19	5710.70	5937.10	6255.18	6513.84
61	6103.70	5775.94	5588.91	5498.13	5473.86	5478.33	5511.04	5745.51	6159.46	6346.29
62	5716.62	5447.28	5355.53	5295.07	5314.96	5316.95	5297.99	5556.36	6071.13	6178.49
63	5300.59	5120.63	5118.13	5088.01	5155.45	5153.06	5077.47	5380.19	5970.37	6013.47
64	4845.97	4773.13	4883.27	4877.76	4989.35	4978.07	4840.35	5204.68	5843.65	5836.73
65	4387.26	4418.28	4640.00	4669.73	4810.07	4798.24	4605.09	5008.89	5669.40	5638.86
66	3932.73	4050.97	4401.01	4458.69	4597.19	4611.50	4374.07	4790.08	5431.65	5402.67
67	3515.14	3664.70	4140.24	4238.20	4340.90	4410.12	4162.28	4549.26	5134.85	5121.52
68	3130.03	3276.20	3854.04	3990.89	4045.37	4186.21	3972.82	4296.43	4784.88	4802.05
69	2779.29	2874.99	3514.63	3708.54	3703.37	3925.40	3807.81	4027.53	4403.21	4471.24
70	2436.49	2468.01	3103.83	3388.14	3320.70	3631.85	3655.43	3751.30	3997.11	4154.76
71	2073.33	2052.44	2628.97	2997.20	2899.41	3291.95	3484.89	3450.09	3567.17	3839.15
72	1695.79	1662.63	2109.17	2554.81	2463.87	2935.12	3264.42	3133.14	3116.17	3522.13
73	1344.57	1336.02	1627.13	2077.76	2036.32	2529.58	2950.07	2756.42	2651.47	3155.23
74	1073.05	1055.58	1215.29	1619.12	1663.74	2085.33	2511.15	2331.63	2221.35	2716.58
75	851.19	849.13	892.08	1233.85	1435.01	1720.06	1989.37	1879.85	1807.22	2242.77
76	686.57	678.65	656.63	972.41	1206.28	1354.79	1483.24	1519.99	1504.76	1812.59
77	550.52	553.74	536.96	767.60	977.72	993.81	981.75	1160.14	1202.30	1382.41
78	415.18	430.00	419.62	624.79	754.51	787.68	648.19	801.18	900.76	954.23
79	279.85	306.26	302.28	482.86	527.01	631.67	469.38	610.89	712.83	709.31
80	214.84	232.88	244.62	340.93	321.02	496.35	367.70	476.15	521.65	529.44
81	175.35	186.97	206.52	266.00	220.00	384.36	295.22	359.87	343.59	364.60
82	141.69	150.93	172.41	207.73	182.42	311.59	246.71	271.62	242.53	261.77
83	116.71	116.04	137.25	162.67	144.84	260.54	208.85	214.95	196.05	201.04
84	90.65	83.77	103.30	121.21	107.37	213.41	179.93	169.40	149.58	158.41
85	60.16	60.30	72.84	85.89	79.19	164.69	145.91	123.86	103.09	115.79
86	36.08	37.07	50.79	57.83	57.55	115.98	111.61	79.00	56.76	73.76
87	12.17	13.84	28.97	36.20	37.62	67.60	68.19	53.17	37.85	49.72
88	8.83	9.98	7.15	14.59	25.32	45.34	45.69	27.35	18.95	25.69
89	5.56	6.19	4.65	10.45	13.02	23.08	23.19	2.25	0.55	2.20
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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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-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	10100.29	10100.29	10100.29	10100.29	10100.29	10100.29	10100.29
1	10082.04	10098.80	10117.46	10131.70	10140.92	10144.25	10140.50
2	10062.02	10095.71	10132.00	10160.11	10179.57	10187.17	10180.63
3	10041.56	10091.24	10143.98	10185.99	10216.33	10228.91	10220.14
4	10020.19	10084.54	10153.69	10210.05	10250.17	10268.54	10257.51
5	9997.53	10075.48	10160.94	10231.83	10284.08	10307.29	10294.28
6	9973.50	10064.40	10166.71	10252.74	10316.31	10345.91	10330.92
7	9949.41	10050.84	10168.86	10270.90	10348.54	10384.02	10366.04
8	9925.55	10035.74	10169.12	10287.27	10378.68	10422.50	10400.57
9	9900.17	10019.18	10167.21	10301.63	10405.94	10459.34	10435.55
10	9874.22	10001.06	10164.01	10313.08	10430.05	10494.65	10469.25
11	9847.84	9982.70	10160.44	10321.98	10451.24	10525.45	10501.60
12	9821.74	9962.55	10154.59	10328.89	10470.98	10551.50	10530.89
13	9794.95	9943.13	10147.57	10333.81	10487.86	10575.64	10558.01
14	9769.77	9922.65	10138.40	10335.25	10501.11	10597.26	10581.78
15	9742.58	9901.88	10127.87	10334.00	10511.73	10616.66	10602.48
16	9715.52	9880.77	10113.10	10328.28	10519.31	10632.63	10618.83
17	9687.57	9859.01	10095.74	10320.54	10523.47	10646.36	10632.21
18	9659.50	9835.53	10075.16	10309.92	10524.58	10655.11	10642.25
19	9630.49	9809.40	10051.91	10296.32	10521.63	10661.75	10648.90
20	9600.06	9781.53	10027.29	10277.98	10515.84	10664.06	10648.88
21	9568.73	9753.07	9999.16	10257.05	10504.38	10661.34	10643.74
22	9536.29	9723.34	9969.46	10234.46	10487.56	10653.60	10633.02
23	9501.27	9691.63	9937.65	10206.72	10466.06	10640.90	10616.60
24	9464.96	9658.01	9904.14	10174.85	10439.41	10621.57	10591.90
25	9425.52	9622.34	9867.59	10138.65	10408.64	10595.50	10562.68
26	9380.51	9583.49	9827.59	10099.84	10373.12	10566.16	10528.06
27	9335.49	9542.96	9786.46	10055.61	10333.26	10531.22	10489.37
28	9286.39	9500.03	9744.26	10008.97	10289.24	10491.76	10447.50
29	9236.59	9456.02	9700.13	9960.29	10244.16	10448.20	10402.33
30	9184.35	9409.68	9656.88	9909.99	10196.81	10402.60	10356.70
31	9129.22	9360.33	9609.69	9855.09	10147.82	10354.75	10309.50
32	9070.72	9306.91	9557.22	9798.36	10097.99	10305.93	10258.76
33	9013.52	9249.62	9495.39	9736.11	10044.79	10253.53	10203.52
34	8957.38	9190.32	9426.57	9668.58	9988.63	10197.86	10143.70
35	8901.62	9127.51	9354.77	9595.29	9930.23	10139.24	10081.50
36	8847.19	9055.08	9280.58	9520.23	9869.09	10076.17	10013.84

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CANDELA TABULATION - (Cont.)

37	8791.23	8982.33	9205.10	9445.81	9805.91	10010.36	9945.16
38	8729.57	8908.74	9128.08	9370.13	9741.87	9940.61	9871.49
39	8664.94	8836.65	9048.88	9293.32	9670.75	9865.14	9795.57
40	8598.35	8762.81	8967.13	9215.61	9597.92	9787.86	9715.97
41	8530.39	8689.20	8885.08	9134.33	9520.82	9706.60	9632.94
42	8461.22	8611.41	8799.49	9049.40	9440.86	9622.49	9545.43
43	8392.37	8533.55	8711.58	8962.37	9357.72	9531.81	9453.12
44	8324.10	8452.67	8620.28	8873.02	9268.39	9435.34	9360.97
45	8253.57	8369.06	8527.30	8779.47	9174.69	9336.40	9265.65
46	8182.95	8283.67	8429.63	8679.89	9073.22	9229.87	9166.93
47	8110.58	8196.15	8331.12	8577.75	8968.37	9122.59	9066.48
48	8036.54	8105.79	8227.85	8465.73	8852.95	9005.19	8960.21
49	7960.03	8010.67	8122.76	8349.80	8730.40	8883.46	8846.35
50	7882.57	7915.67	8016.92	8230.26	8602.93	8756.61	8722.73
51	7800.72	7812.99	7903.67	8102.89	8462.38	8620.16	8579.03
52	7714.68	7707.75	7785.04	7967.00	8316.39	8467.42	8423.39
53	7627.02	7595.84	7661.16	7826.91	8160.64	8301.69	8243.45
54	7533.92	7477.81	7534.22	7681.07	7998.15	8112.42	8040.66
55	7434.29	7355.18	7400.27	7528.40	7823.86	7903.92	7817.86
56	7326.26	7228.10	7263.69	7372.00	7641.30	7669.47	7574.41
57	7206.93	7098.03	7123.12	7214.29	7445.12	7415.57	7317.46
58	7074.98	6966.14	6979.42	7052.95	7235.15	7135.01	7046.58
59	6930.38	6826.56	6826.83	6881.73	7014.74	6856.59	6756.80
60	6771.06	6684.37	6676.16	6702.62	6777.43	6561.14	6447.63
61	6586.98	6531.18	6515.03	6514.72	6525.78	6270.78	6103.70
62	6372.75	6370.02	6352.51	6308.65	6256.44	5968.28	5716.62
63	6133.55	6201.29	6188.14	6093.91	5974.62	5661.20	5300.59
64	5857.93	6008.96	6024.70	5870.86	5691.18	5326.03	4845.97
65	5562.29	5809.00	5864.93	5642.61	5404.12	4968.21	4387.26
66	5249.59	5597.13	5706.91	5418.58	5130.43	4596.00	3932.73
67	4951.99	5382.12	5543.55	5186.93	4867.11	4206.52	3515.14
68	4669.31	5159.89	5355.18	4946.23	4618.53	3826.06	3130.03
69	4427.66	4916.90	5137.48	4695.61	4372.41	3441.24	2779.29
70	4222.04	4656.99	4887.67	4433.81	4111.15	3054.48	2436.49
71	4040.75	4385.09	4610.32	4161.84	3800.57	2641.12	2073.33
72	3864.74	4113.31	4285.11	3880.89	3408.70	2215.53	1695.79
73	3675.80	3818.97	3906.75	3571.56	2905.59	1798.39	1344.57
74	3398.02	3498.60	3421.51	3197.50	2326.16	1405.75	1073.05
75	2954.12	3103.48	2815.07	2677.34	1721.71	1076.00	851.19
76	2377.41	2577.16	2239.63	2044.96	1202.66	832.42	686.57
77	1831.14	2058.54	1827.23	1471.80	837.42	660.96	550.52
78	1284.87	1539.92	1510.30	1091.46	612.33	532.80	415.18
79	741.79	1022.68	1198.85	815.01	482.21	405.36	279.85
80	487.51	753.32	806.89	600.67	353.41	277.92	214.84
81	359.86	521.58	599.70	441.52	270.12	209.50	175.35
82	271.96	349.93	393.48	282.65	201.92	164.17	141.69
83	202.76	256.78	187.26	202.25	159.37	127.60	116.71
84	166.34	208.28	138.24	151.66	127.26	94.74	90.65
85	129.93	159.77	102.89	104.50	95.37	62.54	60.16
86	93.55	111.61	76.60	69.75	59.74	50.12	36.08
87	58.55	73.08	54.25	47.92	34.35	38.16	12.17
88	39.26	48.86	31.93	26.18	9.02	26.21	8.83
89	19.97	24.65	9.61	4.44	6.44	14.25	5.56
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-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 : MPLSEL40HTT5HV-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 : MPLSEL40HTT5HV-34000LM3K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3781.58	N.A.	11.10
0-30	8240.19	N.A.	24.30
0-40	13942.04	N.A.	41.10
0-60	26743.07	N.A.	78.80
0-80	33769.37	N.A.	99.60
0-90	33917.63	N.A.	100.00
10-90	32956.51	N.A.	97.20
20-40	10160.46	N.A.	30.00
20-50	16590.1	N.A.	48.90
40-70	17815.89	N.A.	52.50
60-80	7026.29	N.A.	20.70
70-80	2011.44	N.A.	5.90
80-90	148.26	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	33917.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	961.12
10-20	2820.46
20-30	4458.61
30-40	5701.85
40-50	6429.64
50-60	6371.39
60-70	5014.86
70-80	2011.44
80-90	148.26
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-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	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	39	67	54	46	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	31
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

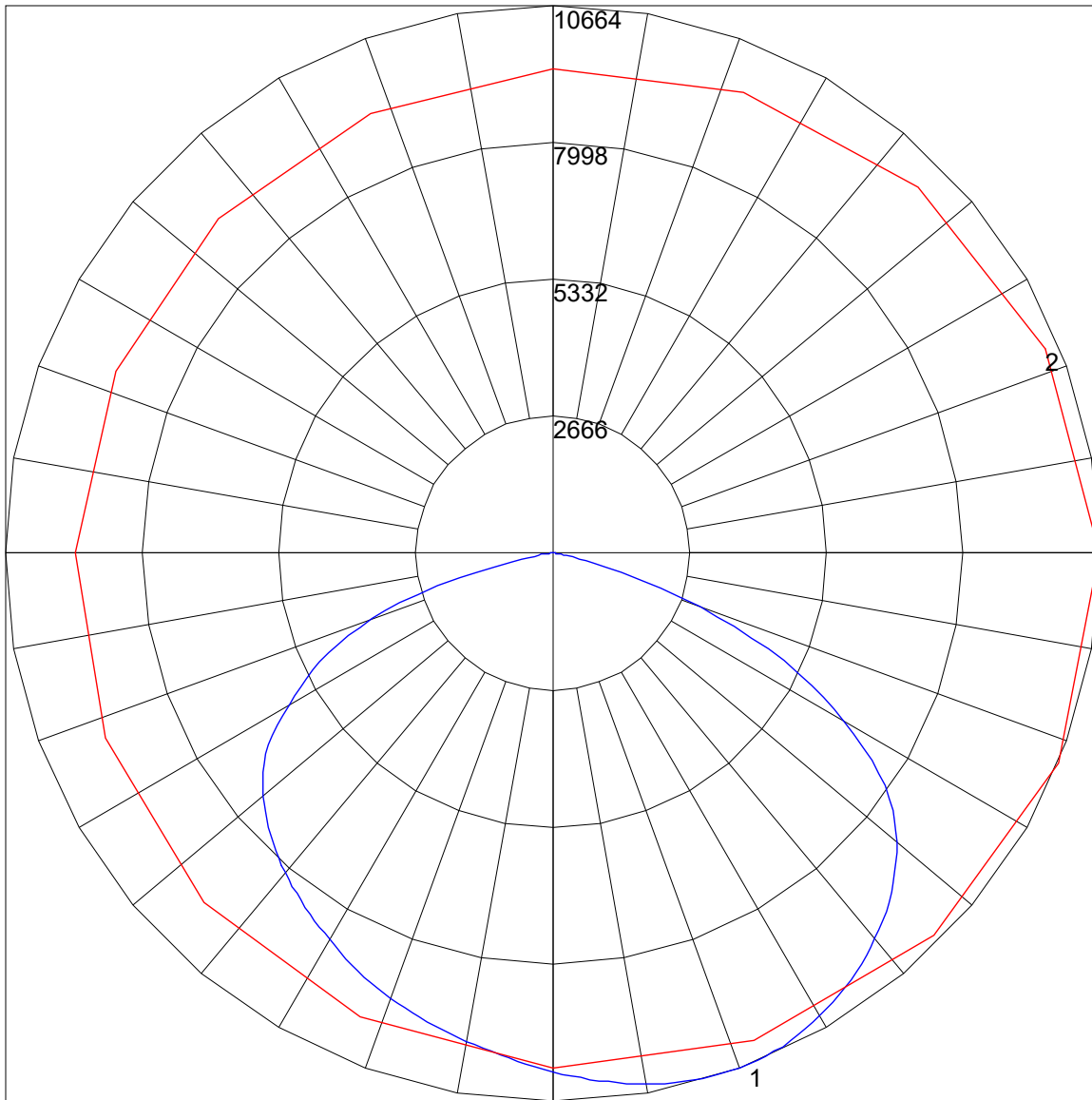
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-34000LM3K.IES

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	30.4	32.1	30.8	32.4	32.8	29.4	31.1	29.7	31.4	31.7
	3H	31.4	33.0	31.8	33.3	33.6	31.3	32.8	31.7	33.1	33.5
	4H	31.5	32.9	31.9	33.3	33.7	31.6	33.0	32.0	33.3	33.7
	6H	31.5	32.8	31.9	33.2	33.6	31.6	32.9	32.0	33.3	33.7
	8H	31.5	32.7	31.9	33.1	33.5	31.6	32.8	32.0	33.2	33.6
	12H	31.5	32.7	31.9	33.0	33.5	31.6	32.8	32.0	33.1	33.6
4H	2H	31.0	32.5	31.4	32.8	33.2	30.1	31.5	30.5	31.8	32.2
	3H	32.2	33.4	32.6	33.8	34.2	32.1	33.3	32.5	33.7	34.1
	4H	32.3	33.4	32.7	33.8	34.2	32.4	33.5	32.9	33.9	34.4
	6H	32.3	33.2	32.8	33.7	34.1	32.5	33.4	33.0	33.9	34.3
	8H	32.3	33.1	32.7	33.6	34.1	32.5	33.4	32.9	33.8	34.3
	12H	32.3	33.0	32.7	33.5	34.0	32.5	33.2	32.9	33.7	34.2
8H	4H	32.4	33.3	32.9	33.7	34.2	32.5	33.4	33.0	33.8	34.3
	6H	32.4	33.1	32.9	33.6	34.1	32.6	33.3	33.1	33.8	34.3
	8H	32.4	33.0	32.9	33.5	34.0	32.6	33.2	33.1	33.7	34.2
	12H	32.4	32.9	32.9	33.4	34.0	32.6	33.1	33.1	33.6	34.2
12H	4H	32.4	33.2	32.9	33.7	34.1	32.5	33.3	33.0	33.8	34.2
	6H	32.4	33.0	32.9	33.5	34.0	32.6	33.2	33.1	33.7	34.2
	8H	32.4	32.9	32.9	33.4	34.0	32.6	33.1	33.1	33.6	34.2

Maximum UGR = 34.4

POLAR GRAPH



Maximum Candela = 10664.06 Located At Horizontal Angle = 337.5, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (337.5 - 157.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)