

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT3HV-24000LM3K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-49932E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-01
[ISSUEDATE] 2022-12-01 19:04:17
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT3HV-24000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	24213
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	192.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.52
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.28 m
Luminous Width (90-270)	0.15 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	136837	188240	232399
55	100557	202144	288659
65	46037	231853	405953
75	22154	72676	489471
85	14071	14104	185921

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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	7041.57	7041.57	7041.57	7041.57	7041.57	7041.57	7041.57	7041.57	7041.57	7041.57
1	7056.00	7055.74	7053.90	7049.62	7042.88	7036.28	7030.54	7025.01	7022.58	7022.83
2	7066.59	7066.36	7063.59	7056.22	7043.74	7030.55	7016.88	7004.43	6998.66	7000.90
3	7074.09	7074.74	7071.13	7061.80	7044.05	7023.31	7000.07	6979.10	6968.93	6973.08
4	7079.09	7080.57	7076.72	7066.93	7045.16	7015.97	6980.40	6949.15	6933.66	6940.09
5	7081.43	7083.30	7080.91	7071.77	7046.27	7009.69	6958.81	6914.90	6893.36	6903.89
6	7081.65	7085.09	7085.75	7075.75	7047.39	7001.13	6936.01	6878.05	6850.75	6864.13
7	7079.27	7084.25	7087.92	7079.07	7048.50	6991.37	6910.17	6837.32	6803.66	6822.32
8	7072.61	7080.40	7088.84	7081.86	7049.61	6981.47	6882.99	6794.19	6753.90	6777.80
9	7062.51	7073.81	7088.22	7084.65	7049.81	6970.74	6853.08	6749.80	6700.84	6728.95
10	7047.58	7063.43	7086.47	7086.04	7049.74	6959.73	6822.01	6702.02	6644.93	6680.10
11	7026.29	7049.35	7082.36	7087.12	7049.66	6947.04	6788.88	6653.18	6586.48	6629.76
12	7000.28	7030.94	7076.96	7087.34	7049.59	6933.62	6756.19	6600.00	6525.71	6576.74
13	6966.91	7007.94	7068.42	7088.61	7049.52	6920.03	6720.97	6546.27	6460.91	6523.19
14	6930.57	6981.29	7058.62	7089.29	7049.44	6906.34	6684.48	6488.96	6394.07	6466.81
15	6887.90	6950.71	7046.22	7091.03	7049.37	6893.64	6647.50	6430.48	6324.45	6408.59
16	6840.37	6915.36	7029.99	7092.98	7048.73	6880.20	6609.21	6369.21	6253.33	6346.21
17	6789.15	6876.36	7011.71	7093.64	7047.63	6866.33	6569.23	6308.03	6177.69	6283.13
18	6733.82	6833.91	6989.57	7091.73	7046.49	6851.84	6530.97	6242.97	6103.47	6219.88
19	6674.82	6787.10	6964.10	7087.36	7043.92	6836.62	6492.56	6175.82	6027.44	6153.55
20	6611.12	6736.29	6937.26	7082.78	7040.41	6822.32	6453.02	6108.85	5947.78	6089.53
21	6543.35	6681.03	6907.37	7077.48	7037.20	6807.55	6414.73	6037.57	5867.49	6022.95
22	6471.18	6621.18	6873.98	7069.34	7033.91	6792.22	6375.05	5966.46	5787.16	5953.85
23	6394.08	6556.27	6838.78	7059.81	7030.87	6778.41	6335.70	5893.55	5704.70	5883.94
24	6313.44	6487.14	6802.65	7049.33	7027.33	6763.87	6296.64	5822.03	5622.77	5811.36
25	6226.77	6413.12	6764.00	7037.56	7022.97	6749.66	6255.90	5749.34	5537.22	5738.18
26	6139.05	6337.68	6723.56	7025.17	7018.71	6735.75	6216.13	5674.40	5451.16	5661.13
27	6049.18	6257.69	6681.67	7010.30	7015.61	6721.46	6177.95	5598.69	5365.55	5583.67
28	5953.85	6174.87	6637.85	6995.37	7011.33	6707.12	6138.28	5521.43	5277.54	5504.69
29	5852.75	6088.85	6590.63	6981.57	7004.93	6692.06	6099.26	5445.47	5189.92	5424.18
30	5752.39	5998.81	6542.71	6968.60	6998.34	6676.20	6060.45	5365.62	5099.23	5343.61
31	5648.28	5907.35	6492.74	6953.12	6992.37	6659.40	6021.10	5285.98	5007.18	5261.22
32	5542.28	5813.92	6440.28	6935.15	6985.37	6643.81	5982.72	5205.84	4915.05	5178.72
33	5435.23	5719.73	6387.39	6917.20	6977.81	6627.01	5943.59	5121.66	4822.20	5093.89
34	5324.66	5623.79	6330.96	6898.75	6968.41	6608.21	5905.20	5035.43	4724.81	5005.00
35	5214.96	5528.06	6272.82	6879.62	6959.40	6589.66	5865.22	4946.42	4625.62	4913.37
36	5106.34	5431.19	6212.16	6856.22	6951.43	6570.25	5822.98	4854.01	4521.91	4817.33
37	4995.08	5330.64	6149.70	6832.04	6944.67	6550.79	5781.62	4760.88	4412.45	4720.06
38	4882.47	5227.84	6087.23	6806.66	6938.51	6527.85	5738.79	4664.32	4296.41	4619.45
39	4770.36	5122.31	6020.83	6781.55	6935.91	6505.49	5694.07	4566.11	4180.29	4516.84
40	4659.05	5017.16	5953.56	6755.47	6934.89	6483.44	5649.58	4464.39	4061.69	4412.59
41	4542.56	4910.13	5883.70	6728.49	6937.91	6460.19	5604.84	4358.28	3942.44	4306.53
42	4422.35	4804.18	5811.66	6702.37	6938.96	6436.65	5559.28	4244.35	3809.85	4194.25
43	4303.31	4697.16	5740.41	6675.18	6929.38	6413.74	5513.08	4124.32	3679.70	4074.96
44	4185.13	4592.98	5668.71	6649.20	6915.70	6395.11	5466.82	4000.54	3545.86	3951.80
45	4065.59	4488.77	5592.82	6627.02	6904.82	6382.22	5418.91	3865.09	3415.57	3817.56
46	3942.94	4382.94	5516.43	6605.98	6900.06	6366.73	5370.81	3723.84	3286.86	3674.64
47	3822.21	4270.75	5437.70	6572.85	6899.42	6336.69	5319.97	3581.58	3166.13	3528.80
48	3694.55	4150.31	5358.47	6529.60	6899.23	6301.21	5269.61	3440.70	3044.90	3378.08
49	3555.12	4022.60	5278.60	6483.15	6900.84	6268.67	5218.32	3293.85	2923.60	3224.26
50	3403.10	3889.55	5203.19	6440.69	6904.97	6239.60	5164.49	3141.72	2796.40	3067.90
51	3215.71	3742.17	5128.71	6394.53	6912.70	6212.44	5110.85	2993.13	2661.18	2920.59
52	3018.02	3569.56	5057.31	6346.98	6920.80	6186.78	5054.95	2840.70	2521.35	2773.56
53	2810.97	3369.86	4990.13	6297.54	6931.52	6164.68	4997.69	2689.49	2384.89	2631.14

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54	2607.76	3142.44	4928.40	6244.95	6943.29	6146.21	4933.03	2535.78	2261.57	2491.63
55	2423.46	2894.36	4871.76	6191.16	6956.81	6129.69	4864.30	2384.18	2151.53	2354.74
56	2249.01	2640.32	4826.38	6133.27	6974.02	6113.01	4787.99	2244.05	2051.29	2225.72
57	2077.48	2392.20	4793.22	6074.46	6993.72	6097.82	4702.36	2118.14	1952.43	2106.02
58	1894.09	2156.98	4771.40	6014.37	7016.16	6086.38	4602.29	2002.58	1845.36	1988.71
59	1701.26	1929.91	4752.85	5954.53	7044.46	6081.28	4488.57	1895.01	1725.75	1867.49
60	1508.76	1712.19	4732.27	5899.80	7075.05	6084.00	4354.30	1782.89	1598.06	1738.44
61	1333.13	1515.78	4701.35	5848.10	7106.16	6097.06	4193.58	1657.82	1475.94	1598.91
62	1171.61	1333.85	4651.48	5805.98	7134.17	6117.68	4007.31	1523.61	1364.40	1464.35
63	1031.16	1174.86	4565.48	5766.21	7162.37	6143.61	3796.58	1400.25	1252.87	1346.17
64	915.85	1035.57	4403.58	5726.92	7187.74	6174.71	3561.43	1276.90	1141.54	1228.02
65	817.51	913.82	4117.13	5702.40	7208.72	6219.34	3312.68	1153.59	1037.60	1110.69
66	729.51	807.18	3686.31	5699.65	7219.68	6276.32	3046.28	1040.99	941.55	1001.21
67	642.43	710.18	3156.93	5713.17	7214.06	6337.92	2747.84	935.58	851.79	903.04
68	574.02	636.15	2628.39	5737.09	7186.14	6394.23	2415.38	840.19	764.10	815.48
69	506.08	562.77	2191.40	5759.58	7130.06	6434.53	2064.97	753.44	679.06	739.32
70	438.14	489.38	1858.42	5789.88	7032.38	6450.05	1756.06	670.33	604.27	659.21
71	387.58	437.01	1594.90	5831.63	6877.70	6438.26	1540.75	585.11	544.75	579.31
72	338.08	392.16	1364.97	5864.86	6635.82	6387.69	1325.43	512.48	492.34	514.27
73	300.91	347.72	1173.62	5895.03	6292.17	6295.81	1110.90	455.93	441.80	462.71
74	267.82	306.29	986.97	5938.19	5850.88	6147.58	920.39	402.04	397.88	413.50
75	240.93	269.90	790.35	6030.51	5323.00	5909.27	741.22	352.56	362.83	364.48
76	219.75	238.48	599.90	6092.88	4740.42	5590.86	552.70	311.83	332.79	322.55
77	198.98	211.02	446.78	5981.00	4109.01	5298.14	376.50	277.65	304.94	284.98
78	177.15	185.24	293.69	5586.01	3440.71	4871.21	276.44	247.01	273.47	252.12
79	159.33	159.97	215.13	4805.16	2757.80	4240.07	219.54	219.07	237.54	222.10
80	140.39	136.40	164.60	3784.53	2115.53	3466.62	187.26	190.82	209.86	191.60
81	122.18	115.14	133.04	2843.77	1745.40	2670.58	154.98	166.29	180.45	167.39
82	104.01	95.53	108.48	2124.24	1375.27	2018.18	122.76	141.76	154.19	143.17
83	86.69	78.00	86.89	1606.11	1005.89	1587.69	100.68	117.25	127.93	118.97
84	68.70	61.50	67.47	1197.58	832.19	1157.20	79.61	97.28	101.56	98.58
85	51.53	46.27	51.65	862.39	680.86	732.58	61.00	73.23	67.62	71.15
86	34.36	31.06	35.84	603.96	503.03	487.66	44.34	49.17	33.67	47.52
87	17.19	17.28	20.03	412.73	380.73	314.93	30.34	25.11	0.53	23.89
88	4.07	4.97	8.59	222.32	258.43	190.24	16.33	1.67	0.23	0.87
89	2.35	2.83	6.39	37.39	136.00	66.29	2.40	0.73	0.24	0.33
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 : MPLSEL25HTT3HV-24000LM3K.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. 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	7041.57	7041.57	7041.57	7041.57	7041.57	7041.57	7041.57
1	7026.48	7032.23	7039.43	7044.15	7049.51	7053.17	7056.00
2	7010.28	7023.85	7038.52	7047.65	7056.56	7062.45	7066.59
3	6990.13	7014.27	7038.09	7052.37	7062.98	7069.74	7074.09
4	6968.35	7002.91	7036.19	7055.18	7068.14	7074.71	7079.09
5	6942.34	6992.33	7035.28	7057.82	7071.15	7077.93	7081.43
6	6914.97	6981.50	7034.83	7060.46	7072.44	7078.79	7081.65
7	6887.39	6970.10	7034.40	7062.45	7073.33	7077.94	7079.27
8	6858.90	6959.17	7034.23	7063.74	7073.12	7073.66	7072.61
9	6829.04	6948.40	7034.06	7065.06	7071.60	7065.81	7062.51
10	6798.38	6936.99	7033.89	7066.36	7069.00	7054.08	7047.58
11	6766.11	6925.57	7033.73	7066.58	7063.81	7038.44	7026.29
12	6733.49	6913.26	7033.56	7065.95	7056.89	7018.71	7000.28
13	6700.57	6899.59	7030.95	7064.64	7047.34	6995.26	6966.91
14	6666.61	6886.39	7027.88	7060.61	7036.43	6969.08	6930.57
15	6632.42	6873.00	7024.84	7055.32	7022.53	6938.51	6887.90
16	6595.97	6859.51	7022.02	7049.05	7004.87	6903.56	6840.37
17	6558.59	6844.99	7020.30	7044.73	6982.77	6863.73	6789.15
18	6520.64	6830.29	7017.28	7040.79	6958.19	6820.40	6733.82
19	6478.99	6813.98	7012.27	7036.82	6932.36	6773.48	6674.82
20	6437.81	6797.25	7006.19	7029.65	6902.94	6723.18	6611.12
21	6395.63	6780.29	6999.46	7020.93	6872.06	6670.66	6543.35
22	6354.57	6762.77	6992.88	7009.40	6839.32	6613.46	6471.18
23	6312.58	6744.00	6985.28	6997.82	6804.69	6551.50	6394.08
24	6270.86	6725.36	6977.49	6986.41	6769.73	6484.18	6313.44
25	6229.02	6703.91	6970.87	6972.38	6730.83	6411.45	6226.77
26	6185.66	6682.57	6963.52	6958.21	6690.74	6335.60	6139.05
27	6142.69	6661.63	6956.28	6944.17	6648.38	6256.04	6049.18
28	6096.96	6638.94	6948.04	6927.51	6603.44	6175.13	5953.85
29	6051.13	6616.27	6941.13	6911.37	6557.74	6091.03	5852.75
30	6002.32	6593.06	6933.72	6895.83	6510.86	6002.71	5752.39
31	5952.47	6570.27	6925.29	6879.61	6460.69	5914.89	5648.28
32	5901.30	6547.46	6917.65	6861.31	6407.78	5824.97	5542.28
33	5847.91	6525.29	6909.32	6845.47	6353.52	5733.15	5435.23
34	5796.10	6501.82	6900.32	6827.85	6296.56	5639.13	5324.66
35	5743.76	6478.84	6892.04	6807.32	6239.12	5546.87	5214.96
36	5690.28	6454.66	6882.54	6786.66	6178.55	5451.86	5106.34

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CANDELA TABULATION - (Cont.)

37	5639.56	6430.22	6873.30	6766.90	6115.73	5354.94	4995.08
38	5588.34	6402.63	6864.59	6746.47	6051.11	5258.55	4882.47
39	5533.96	6377.74	6857.85	6721.25	5985.47	5160.97	4770.36
40	5479.04	6354.20	6852.07	6696.47	5918.26	5063.25	4659.05
41	5428.37	6331.49	6847.71	6674.92	5849.16	4961.33	4542.56
42	5375.44	6307.85	6845.33	6650.65	5778.25	4859.41	4422.35
43	5319.29	6285.14	6842.73	6625.28	5706.46	4757.64	4303.31
44	5264.84	6261.48	6839.30	6600.75	5634.23	4654.78	4185.13
45	5209.58	6236.23	6836.90	6575.03	5557.98	4550.58	4065.59
46	5151.71	6214.29	6836.62	6545.86	5481.89	4442.48	3942.94
47	5089.52	6193.42	6837.67	6516.69	5408.16	4332.83	3822.21
48	5025.71	6169.80	6838.97	6482.95	5334.43	4215.47	3694.55
49	4960.15	6145.58	6842.22	6445.33	5259.07	4087.04	3555.12
50	4894.36	6122.91	6845.46	6408.01	5185.93	3951.18	3403.10
51	4824.09	6102.65	6850.82	6370.92	5115.41	3797.71	3215.71
52	4751.65	6081.67	6860.54	6333.95	5045.84	3625.31	3018.02
53	4670.14	6059.80	6873.06	6294.32	4979.64	3426.26	2810.97
54	4583.21	6038.86	6887.99	6251.18	4916.78	3200.99	2607.76
55	4488.54	6018.58	6906.81	6209.46	4860.31	2953.46	2423.46
56	4386.43	5998.78	6928.74	6167.13	4811.17	2696.49	2249.01
57	4267.55	5981.48	6954.01	6122.62	4772.48	2448.46	2077.48
58	4132.40	5963.60	6985.07	6075.75	4748.48	2225.45	1894.09
59	3977.30	5946.62	7019.74	6026.73	4737.34	2015.94	1701.26
60	3797.41	5933.98	7063.65	5981.94	4733.69	1807.11	1508.76
61	3592.52	5927.37	7112.14	5940.10	4729.33	1600.52	1333.13
62	3360.84	5928.13	7165.71	5904.17	4721.84	1400.44	1171.61
63	3115.92	5938.50	7225.79	5874.87	4705.58	1223.98	1031.16
64	2849.37	5962.08	7288.84	5850.50	4665.82	1070.09	915.85
65	2562.07	5999.36	7353.51	5840.09	4557.32	938.70	817.51
66	2251.73	6059.77	7413.76	5841.56	4319.25	824.68	729.51
67	1921.01	6137.18	7466.18	5857.84	3915.61	726.15	642.43
68	1659.38	6231.62	7505.60	5876.38	3366.90	640.17	574.02
69	1397.76	6335.56	7524.40	5898.46	2796.31	573.52	506.08
70	1137.61	6445.37	7509.89	5924.89	2316.30	507.51	438.14
71	979.34	6568.03	7444.12	5953.76	1940.07	449.48	387.58
72	852.20	6682.88	7301.30	5967.26	1651.32	402.16	338.08
73	738.97	6750.24	7057.12	5942.99	1401.39	356.82	300.91
74	624.02	6732.19	6692.43	5869.30	1170.13	311.59	267.82
75	496.01	6622.86	6214.26	5806.09	938.03	273.71	240.93
76	387.62	6399.45	5657.29	5758.49	712.21	239.73	219.75
77	307.92	6079.57	5016.42	5660.77	549.92	209.30	198.98
78	247.20	5666.70	4297.14	5517.33	387.85	182.48	177.15
79	204.20	4933.33	3532.95	5175.15	225.77	157.24	159.33
80	174.83	3956.93	2719.75	4488.65	172.49	133.82	140.39
81	145.47	2960.39	1999.79	3623.80	140.30	112.17	122.18
82	116.36	2160.22	1427.18	2855.04	115.22	92.13	104.01
83	95.30	1688.99	1045.49	2234.80	92.90	74.92	86.69
84	75.51	1217.76	804.93	1710.65	71.80	59.56	68.70
85	58.38	751.69	645.04	1254.62	54.65	44.25	51.53
86	40.72	502.80	461.64	863.71	37.51	28.94	34.36
87	27.67	325.83	278.22	582.62	20.38	15.94	17.19
88	14.63	180.58	94.80	306.95	8.30	4.34	4.07
89	1.66	36.00	49.54	31.34	6.16	2.51	2.35
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 : MPLSEL25HTT3HV-24000LM3K.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 : MPLSEL25HTT3HV-24000LM3K.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 : MPLSEL25HTT3HV-24000LM3K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2596.92	N.A.	10.70
0-30	5582.53	N.A.	23.10
0-40	9321.35	N.A.	38.50
0-60	17518.63	N.A.	72.40
0-80	23717.25	N.A.	98.00
0-90	24212.51	N.A.	100.00
10-90	23545.21	N.A.	97.20
20-40	6724.43	N.A.	27.80
20-50	10852.15	N.A.	44.80
40-70	11808.02	N.A.	48.80
60-80	6198.62	N.A.	25.60
70-80	2587.89	N.A.	10.70
80-90	495.26	N.A.	2.00
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	24212.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	667.29
10-20	1929.63
20-30	2985.6
30-40	3738.82
40-50	4127.73
50-60	4069.56
60-70	3610.74
70-80	2587.89
80-90	495.26
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 : MPLSEL25HTT3HV-24000LM3K.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	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	67	60	85	75	66	60	72	64	59	69	63	58	66	61	57	54
4	80	67	57	50	77	66	57	50	63	55	49	61	54	48	58	53	48	45
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	36	49	41	36	47	41	36	34
7	62	48	39	32	60	47	38	32	46	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	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

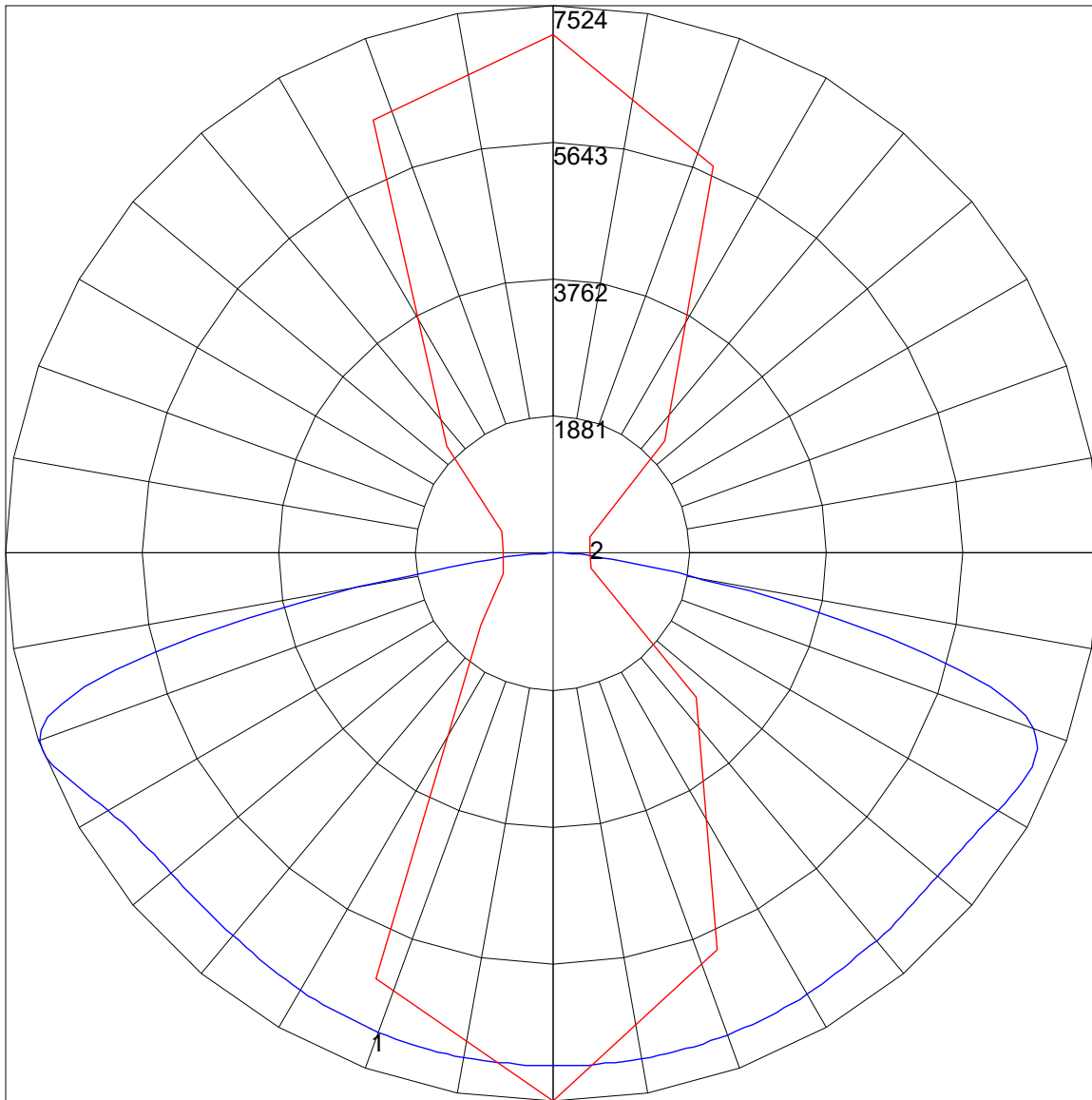
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT3HV-24000LM3K.IES

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	26.0	27.7	26.4	28.0	28.3	33.2	34.9	33.6	35.3	35.6
	3H	26.3	27.9	26.7	28.2	28.5	37.1	38.7	37.5	39.0	39.3
	4H	26.3	27.8	26.7	28.2	28.5	38.7	40.2	39.1	40.6	40.9
	6H	26.4	27.7	26.8	28.1	28.5	39.5	40.9	39.9	41.3	41.7
	8H	26.4	27.7	26.8	28.1	28.5	39.6	41.0	40.1	41.4	41.7
	12H	26.4	27.6	26.8	28.0	28.4	39.7	41.0	40.1	41.3	41.8
4H	2H	29.5	31.0	29.9	31.3	31.7	33.6	35.1	34.0	35.4	35.8
	3H	29.7	31.0	30.2	31.4	31.8	37.7	38.9	38.1	39.3	39.7
	4H	29.7	30.9	30.2	31.3	31.7	39.8	40.9	40.2	41.3	41.8
	6H	29.7	30.8	30.2	31.2	31.6	40.9	42.0	41.4	42.4	42.8
	8H	29.7	30.7	30.2	31.1	31.6	41.1	42.0	41.6	42.5	43.0
	12H	29.7	30.6	30.2	31.1	31.5	41.2	42.0	41.7	42.5	43.0
8H	4H	31.5	32.5	32.0	32.9	33.4	39.8	40.7	40.3	41.2	41.6
	6H	31.5	32.3	32.0	32.8	33.2	41.2	41.9	41.6	42.4	42.9
	8H	31.5	32.2	32.0	32.7	33.2	41.4	42.1	41.9	42.6	43.1
	12H	31.5	32.1	32.0	32.6	33.1	41.5	42.2	42.0	42.6	43.2
12H	4H	32.4	33.2	32.9	33.7	34.2	39.8	40.6	40.3	41.1	41.6
	6H	32.4	33.1	32.9	33.5	34.1	41.1	41.8	41.7	42.3	42.8
	8H	32.4	33.0	32.9	33.5	34.0	41.4	42.0	41.9	42.5	43.1

Maximum UGR = 43.2

POLAR GRAPH



Maximum Candela = 7524.4 Located At Horizontal Angle = 270, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)