

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT3-20000LM4K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] DG3221028-49930E-EE  
[TESTLAB] Bay Area Compliance Labs Corp.  
[TESTDATE] 2022-12-01  
[ISSUEDATE] 2022-12-02 09:24:40  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI.  
[LUMCAT] MPLSEL25HTT3-20000LM4K  
[LAMP] N/A

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20939
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	151.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.62
Spacing Criterion (Diagonal)	1.52
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	123459	171468	210663
55	98192	185953	262158
65	49963	217716	362199
75	24022	46500	434201
85	18033	15521	170946

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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	5937.59	5937.59	5937.59	5937.59	5937.59	5937.59	5937.59	5937.59	5937.59	5937.59
1	5958.06	5958.82	5955.74	5952.62	5943.71	5934.77	5923.37	5916.17	5912.33	5912.92
2	5971.55	5975.13	5970.06	5964.97	5949.19	5933.59	5910.41	5890.94	5882.25	5884.62
3	5983.30	5990.06	5983.50	5978.03	5955.76	5929.61	5895.27	5862.02	5848.03	5852.70
4	5991.25	5998.89	5994.21	5990.59	5963.21	5924.10	5875.80	5832.76	5811.89	5818.60
5	5996.93	6007.75	6007.09	6001.69	5969.66	5920.43	5855.98	5799.13	5771.90	5781.02
6	5998.60	6012.30	6014.99	6010.54	5975.17	5916.40	5836.23	5765.34	5728.14	5741.22
7	5999.70	6016.88	6021.10	6019.24	5982.45	5912.75	5814.11	5727.70	5684.19	5701.46
8	6000.13	6019.02	6025.38	6030.12	5990.06	5904.56	5790.20	5689.70	5636.92	5657.49
9	5995.74	6018.85	6031.74	6037.62	5997.10	5899.24	5766.14	5649.27	5591.72	5613.22
10	5992.15	6018.63	6039.03	6046.69	6005.87	5892.83	5739.63	5606.83	5541.59	5568.50
11	5981.68	6012.85	6042.69	6059.51	6017.47	5889.74	5714.62	5561.75	5491.46	5521.58
12	5970.41	6005.52	6046.59	6070.60	6028.34	5885.21	5687.76	5515.04	5435.07	5475.30
13	5950.39	5990.95	6051.38	6081.72	6038.25	5882.46	5658.95	5469.39	5376.41	5425.22
14	5925.67	5975.07	6052.66	6092.09	6050.52	5878.97	5633.20	5420.70	5317.06	5374.97
15	5900.03	5955.09	6056.87	6104.86	6060.79	5877.24	5606.09	5372.45	5260.05	5322.71
16	5866.91	5933.79	6055.50	6116.32	6071.96	5875.76	5578.65	5320.85	5200.02	5270.66
17	5832.85	5904.27	6049.99	6125.66	6084.07	5875.77	5551.84	5264.23	5139.04	5214.57
18	5794.24	5873.84	6041.38	6135.20	6099.62	5876.37	5528.71	5208.76	5073.63	5158.38
19	5751.74	5841.33	6031.72	6146.61	6107.53	5875.11	5501.14	5152.53	5006.99	5100.42
20	5706.32	5807.37	6017.28	6154.59	6122.08	5874.73	5472.47	5093.71	4942.60	5039.00
21	5658.94	5767.70	6001.91	6166.58	6132.71	5876.62	5445.89	5033.38	4874.30	4979.67
22	5606.88	5728.75	5984.36	6173.23	6143.44	5876.22	5418.22	4976.39	4806.39	4918.33
23	5550.39	5685.61	5965.42	6178.06	6157.61	5878.33	5391.13	4915.97	4734.94	4856.37
24	5490.75	5637.55	5944.74	6183.13	6169.56	5875.35	5363.44	4854.62	4663.22	4792.75
25	5425.66	5585.44	5923.14	6185.90	6177.24	5876.39	5332.69	4792.11	4591.43	4726.64
26	5357.64	5534.09	5900.45	6187.67	6188.88	5875.54	5305.54	4726.38	4520.30	4662.11
27	5286.53	5473.11	5875.48	6193.24	6196.78	5874.89	5277.55	4664.31	4447.45	4596.09
28	5208.52	5411.21	5848.33	6194.82	6205.09	5874.45	5249.19	4599.92	4374.05	4529.71
29	5129.15	5345.81	5818.42	6194.42	6213.35	5872.09	5220.50	4537.68	4303.05	4466.42
30	5044.63	5279.10	5789.40	6193.77	6221.46	5872.67	5191.22	4472.54	4226.99	4402.59
31	4960.94	5207.55	5756.94	6191.44	6229.07	5870.28	5160.41	4403.42	4152.64	4335.76
32	4875.66	5132.63	5721.59	6187.76	6233.24	5864.68	5130.92	4334.46	4073.38	4267.57
33	4788.24	5055.67	5685.06	6185.36	6240.71	5861.45	5100.27	4263.72	3989.88	4194.61
34	4699.28	4975.06	5644.69	6179.64	6244.18	5855.95	5070.15	4193.68	3903.84	4118.42
35	4609.03	4896.70	5604.77	6175.24	6246.80	5846.15	5037.57	4119.46	3812.47	4038.14
36	4523.90	4817.55	5564.34	6165.66	6249.15	5838.66	5004.42	4040.92	3717.93	3957.39
37	4437.15	4737.11	5520.52	6160.35	6251.73	5831.18	4970.33	3958.21	3623.60	3871.16
38	4346.94	4656.43	5475.53	6150.85	6252.59	5822.69	4932.64	3872.47	3527.98	3783.67
39	4253.17	4570.67	5423.25	6138.83	6254.56	5815.44	4899.38	3784.22	3432.07	3693.81
40	4162.32	4487.51	5373.06	6125.69	6256.69	5806.26	4864.28	3689.10	3333.11	3603.78
41	4066.81	4400.96	5321.01	6111.84	6259.74	5792.79	4827.42	3591.82	3229.04	3510.61
42	3968.58	4314.44	5268.25	6096.46	6262.71	5783.69	4788.73	3487.10	3118.79	3415.08
43	3869.60	4231.67	5213.57	6079.23	6262.52	5766.17	4749.59	3376.87	3007.64	3317.11
44	3769.77	4141.86	5154.97	6061.80	6263.68	5751.93	4709.46	3261.05	2899.76	3213.63
45	3668.09	4053.86	5094.51	6043.96	6259.04	5736.44	4668.31	3146.30	2796.12	3105.61
46	3566.76	3958.65	5030.21	6021.11	6257.69	5721.14	4624.60	3030.74	2694.13	2986.18
47	3467.86	3859.52	4968.38	5998.70	6255.61	5702.28	4577.71	2907.92	2593.45	2864.92
48	3366.29	3757.96	4905.67	5974.29	6259.29	5675.76	4528.31	2780.32	2493.36	2749.22
49	3260.21	3649.50	4842.40	5944.38	6262.63	5649.89	4479.66	2651.62	2385.48	2634.48
50	3147.44	3541.31	4780.09	5911.14	6266.46	5626.37	4430.02	2528.82	2276.07	2521.06
51	3017.45	3422.31	4715.56	5878.08	6271.41	5604.57	4374.19	2403.83	2170.67	2407.65
52	2870.45	3293.48	4653.64	5839.90	6281.36	5582.94	4314.54	2274.34	2067.06	2289.87
53	2709.55	3146.74	4592.59	5796.43	6290.15	5563.95	4251.83	2152.11	1970.93	2171.31

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**CANDELA TABULATION - (Cont.)**

54	2535.78	2970.97	4535.89	5753.02	6306.25	5543.73	4177.37	2034.17	1880.26	2051.58
55	2366.46	2768.12	4481.56	5709.18	6318.13	5523.84	4096.43	1923.44	1792.78	1936.73
56	2209.65	2550.16	4434.22	5663.18	6331.20	5504.39	3996.21	1820.16	1702.36	1829.15
57	2054.48	2333.29	4395.06	5612.95	6339.85	5489.40	3877.73	1721.12	1604.53	1728.67
58	1903.43	2120.61	4364.18	5559.94	6345.93	5473.67	3738.84	1624.39	1498.07	1630.83
59	1750.63	1921.50	4349.29	5497.97	6354.90	5454.38	3569.98	1518.92	1391.83	1525.40
60	1593.02	1736.12	4332.51	5435.04	6359.98	5433.55	3374.63	1405.44	1285.58	1417.25
61	1425.65	1561.18	4309.95	5367.52	6370.67	5417.33	3146.53	1291.97	1179.31	1309.09
62	1272.88	1397.13	4268.59	5297.75	6386.24	5409.00	2903.03	1178.60	1071.52	1200.96
63	1132.58	1245.26	4198.97	5232.28	6400.65	5409.87	2643.06	1068.99	975.99	1093.72
64	1001.93	1102.61	4075.44	5173.58	6413.57	5413.16	2368.87	962.87	888.10	990.95
65	887.21	969.13	3866.10	5124.64	6431.75	5425.47	2065.13	862.11	808.41	893.07
66	790.24	854.55	3540.99	5092.59	6448.38	5452.97	1755.61	769.78	732.61	801.30
67	706.83	750.86	3087.86	5078.97	6450.91	5492.58	1521.29	690.67	654.07	718.71
68	628.37	661.32	2547.34	5087.89	6430.69	5547.94	1286.96	621.51	578.35	641.56
69	557.18	589.41	2022.92	5119.74	6371.19	5592.51	1053.92	555.93	516.37	572.24
70	486.20	517.94	1602.65	5162.04	6264.16	5608.87	911.69	496.54	470.09	510.95
71	433.58	446.47	1283.10	5198.71	6108.27	5571.91	789.34	439.53	427.09	456.89
72	386.52	391.51	1038.59	5226.87	5881.82	5487.51	678.84	385.75	386.92	406.87
73	336.31	346.24	830.71	5242.59	5561.36	5361.94	572.66	335.87	351.55	356.75
74	295.33	303.87	627.81	5251.77	5177.40	5213.70	460.99	290.79	322.77	310.74
75	261.24	267.65	505.69	5270.99	4721.94	5024.16	352.48	252.83	296.78	271.01
76	233.70	236.85	386.18	5288.56	4236.24	4790.34	277.99	221.69	271.59	237.30
77	211.11	209.49	266.67	5200.33	3704.47	4567.36	227.50	194.59	241.56	208.48
78	191.04	185.78	221.71	4890.09	3088.73	4268.22	190.27	170.73	210.19	182.41
79	169.56	163.62	188.75	4350.62	2442.05	3731.40	163.26	146.87	187.59	159.14
80	153.21	141.47	160.34	3609.30	1965.85	2973.54	136.25	123.02	163.89	135.87
81	135.32	120.75	135.39	2788.49	1489.64	2229.51	109.38	103.94	140.19	112.67
82	118.26	101.55	112.83	2111.00	1015.11	1750.42	88.60	86.12	116.47	93.59
83	99.77	84.72	91.98	1596.96	805.73	1271.33	69.77	71.08	87.47	77.68
84	82.34	68.48	72.72	1192.34	713.99	795.24	53.41	53.67	58.35	54.59
85	66.04	54.32	56.84	862.63	626.02	516.23	36.52	36.26	29.23	37.10
86	50.18	40.17	40.99	616.39	500.91	336.73	24.73	18.86	0.32	19.60
87	34.31	26.03	25.14	422.02	375.14	194.72	12.95	1.79	0.21	2.47
88	18.45	14.43	13.47	228.13	249.37	56.10	1.46	0.50	0.22	0.33
89	4.83	9.83	9.49	60.19	123.59	28.28	0.71	0.48	0.22	0.25
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 : MPLSEL25HTT3-20000LM4K.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	5937.59	5937.59	5937.59	5937.59	5937.59	5937.59	5937.59
1	5917.47	5926.79	5933.33	5941.41	5945.92	5952.59	5958.06
2	5896.41	5917.71	5932.17	5947.96	5957.53	5965.38	5971.55
3	5872.72	5904.17	5927.26	5952.22	5966.02	5974.75	5983.30
4	5845.17	5890.12	5927.41	5955.65	5971.54	5982.87	5991.25
5	5819.45	5879.29	5926.15	5957.64	5975.13	5987.08	5996.93
6	5791.04	5866.19	5928.69	5963.47	5978.86	5988.91	5998.60
7	5763.39	5853.63	5928.50	5964.83	5981.27	5989.35	5999.70
8	5733.11	5842.91	5929.56	5970.14	5982.13	5986.80	6000.13
9	5703.96	5831.81	5931.46	5973.18	5981.72	5988.64	5995.74
10	5674.62	5818.69	5930.23	5975.63	5981.92	5982.26	5992.15
11	5643.62	5804.49	5930.01	5975.43	5984.48	5975.85	5981.68
12	5614.39	5789.13	5930.86	5976.72	5984.52	5968.30	5970.41
13	5579.65	5777.40	5931.71	5976.73	5979.56	5954.20	5950.39
14	5546.71	5767.20	5934.06	5977.57	5975.98	5936.66	5925.67
15	5516.03	5758.29	5934.97	5980.61	5969.83	5918.07	5900.03
16	5482.96	5750.52	5938.41	5983.82	5958.02	5894.08	5866.91
17	5449.65	5738.67	5938.86	5988.09	5946.75	5864.19	5832.85
18	5416.96	5729.35	5939.71	5988.61	5933.96	5833.42	5794.24
19	5383.44	5716.00	5940.81	5989.48	5921.22	5801.01	5751.74
20	5351.48	5705.28	5941.67	5991.42	5904.19	5762.88	5706.32
21	5317.98	5694.44	5943.77	5992.06	5886.73	5721.81	5658.94
22	5282.55	5686.77	5943.41	5989.92	5869.39	5676.16	5606.88
23	5249.40	5676.02	5943.20	5988.03	5845.64	5632.95	5550.39
24	5210.56	5664.84	5944.05	5981.98	5824.62	5584.00	5490.75
25	5175.63	5655.28	5944.05	5977.91	5796.76	5529.89	5425.66
26	5139.98	5645.30	5941.93	5975.26	5767.46	5474.58	5357.64
27	5105.54	5634.33	5945.50	5969.89	5736.28	5417.03	5286.53
28	5064.58	5622.83	5946.62	5963.86	5704.82	5353.62	5208.52
29	5026.31	5610.45	5947.69	5958.31	5673.18	5289.70	5129.15
30	4988.20	5599.92	5947.30	5953.07	5637.44	5223.64	5044.63
31	4947.52	5590.12	5946.03	5948.11	5603.43	5152.78	4960.94
32	4903.63	5579.46	5942.39	5938.62	5566.05	5083.87	4875.66
33	4862.24	5566.20	5938.09	5932.52	5525.47	5011.76	4788.24
34	4822.46	5554.15	5932.34	5923.20	5486.85	4937.81	4699.28
35	4783.54	5540.74	5929.85	5912.32	5447.95	4862.41	4609.03
36	4745.12	5524.47	5924.73	5899.85	5404.93	4786.32	4523.90

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT3-20000LM4K.IES**

**CANDELA TABULATION - (Cont.)**

37	4704.98	5507.88	5920.39	5888.12	5360.32	4709.81	4437.15
38	4664.79	5493.79	5916.69	5872.16	5314.19	4631.38	4346.94
39	4625.62	5475.69	5911.34	5856.67	5265.44	4552.91	4253.17
40	4585.60	5457.77	5907.14	5846.64	5215.72	4468.02	4162.32
41	4543.62	5440.31	5904.95	5829.73	5162.18	4383.44	4066.81
42	4501.20	5422.03	5903.87	5815.06	5106.60	4297.41	3968.58
43	4459.61	5402.87	5904.08	5796.73	5052.59	4215.32	3869.60
44	4417.88	5378.97	5908.31	5779.97	4991.66	4130.02	3769.77
45	4372.88	5359.51	5910.50	5759.42	4933.50	4044.27	3668.09
46	4323.34	5341.53	5907.62	5737.55	4871.21	3958.01	3566.76
47	4273.40	5320.96	5902.90	5716.07	4809.47	3867.91	3467.86
48	4223.93	5305.12	5897.73	5694.45	4745.71	3771.37	3366.29
49	4171.94	5287.14	5894.84	5672.23	4678.24	3670.22	3260.21
50	4116.70	5267.08	5893.95	5645.27	4613.25	3563.95	3147.44
51	4052.88	5246.57	5896.25	5616.98	4545.66	3451.26	3017.45
52	3981.93	5225.84	5900.32	5581.89	4482.44	3330.71	2870.45
53	3896.37	5208.37	5909.46	5550.40	4422.23	3197.73	2709.55
54	3806.42	5189.12	5917.45	5516.97	4361.04	3046.29	2535.78
55	3706.77	5173.60	5930.27	5486.03	4308.01	2877.40	2366.46
56	3591.32	5154.72	5940.22	5451.92	4259.01	2686.64	2209.65
57	3460.80	5136.99	5953.62	5417.18	4215.92	2481.44	2054.48
58	3306.00	5118.98	5961.24	5378.47	4181.85	2275.12	1903.43
59	3122.85	5097.62	5971.28	5335.94	4156.53	2089.30	1750.63
60	2917.08	5076.21	5980.77	5287.12	4145.20	1910.44	1593.02
61	2686.12	5052.19	5995.00	5234.02	4135.59	1715.64	1425.65
62	2440.58	5025.27	6012.95	5177.96	4121.99	1524.56	1272.88
63	2175.66	5003.41	6036.66	5121.03	4099.44	1335.32	1132.58
64	1897.36	4980.61	6059.58	5063.30	4055.82	1162.65	1001.93
65	1619.11	4960.73	6085.27	5008.36	3970.14	1016.71	887.21
66	1409.15	4948.77	6119.30	4952.40	3810.63	892.35	790.24
67	1199.19	4955.15	6158.37	4905.01	3541.81	786.77	706.83
68	990.25	4985.22	6199.91	4864.81	3138.59	693.10	628.37
69	818.19	5041.05	6231.23	4848.01	2613.04	616.96	557.18
70	690.02	5104.55	6230.13	4840.12	2039.64	541.37	486.20
71	589.76	5158.80	6190.55	4821.10	1604.80	465.77	433.58
72	499.29	5187.72	6104.21	4790.42	1301.91	406.36	386.52
73	423.44	5195.04	5955.34	4747.65	1064.56	359.37	336.31
74	364.32	5158.85	5718.86	4677.62	884.01	313.98	295.33
75	315.91	5057.03	5409.33	4590.33	737.74	274.35	261.24
76	274.29	4914.41	5028.68	4505.54	593.17	241.90	233.70
77	234.61	4721.68	4593.99	4484.89	448.62	215.16	211.11
78	199.47	4397.87	4105.80	4531.93	304.08	191.85	191.04
79	172.51	3898.14	3559.06	4509.04	227.03	169.72	169.56
80	145.56	3179.98	2916.02	4296.69	186.03	147.75	153.21
81	118.74	2347.06	2157.30	3854.51	156.43	126.18	135.32
82	97.69	1843.80	1477.97	3164.31	131.45	106.33	118.26
83	78.38	1340.54	1068.68	2502.78	108.97	88.39	99.77
84	61.36	840.38	834.23	1964.48	87.93	72.35	82.34
85	45.73	591.35	724.05	1493.23	68.66	58.26	66.04
86	31.32	400.59	632.99	1066.14	52.74	44.18	50.18
87	16.92	286.12	502.93	747.46	36.84	30.10	34.31
88	2.85	171.66	372.51	503.23	20.94	18.12	18.45
89	0.84	57.41	185.78	259.88	9.31	6.58	4.83
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 : MPLSEL25HTT3-20000LM4K.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 : MPLSEL25HTT3-20000LM4K.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 : MPLSEL25HTT3-20000LM4K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2199.18	N.A.	10.50
0-30	4758.6	N.A.	22.70
0-40	8003.19	N.A.	38.20
0-60	15214.39	N.A.	72.70
0-80	20466.73	N.A.	97.70
0-90	20939.15	N.A.	100.00
10-90	20376.13	N.A.	97.30
20-40	5804.01	N.A.	27.70
20-50	9420.44	N.A.	45.00
40-70	10296.06	N.A.	49.20
60-80	5252.34	N.A.	25.10
70-80	2167.48	N.A.	10.40
80-90	472.41	N.A.	2.30
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	20939.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	563.01
10-20	1636.16
20-30	2559.42
30-40	3244.59
40-50	3616.43
50-60	3594.77
60-70	3084.86
70-80	2167.48
80-90	472.41
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 : MPLSEL25HTT3-20000LM4K.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	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	49	41	36	47	41	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	31	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

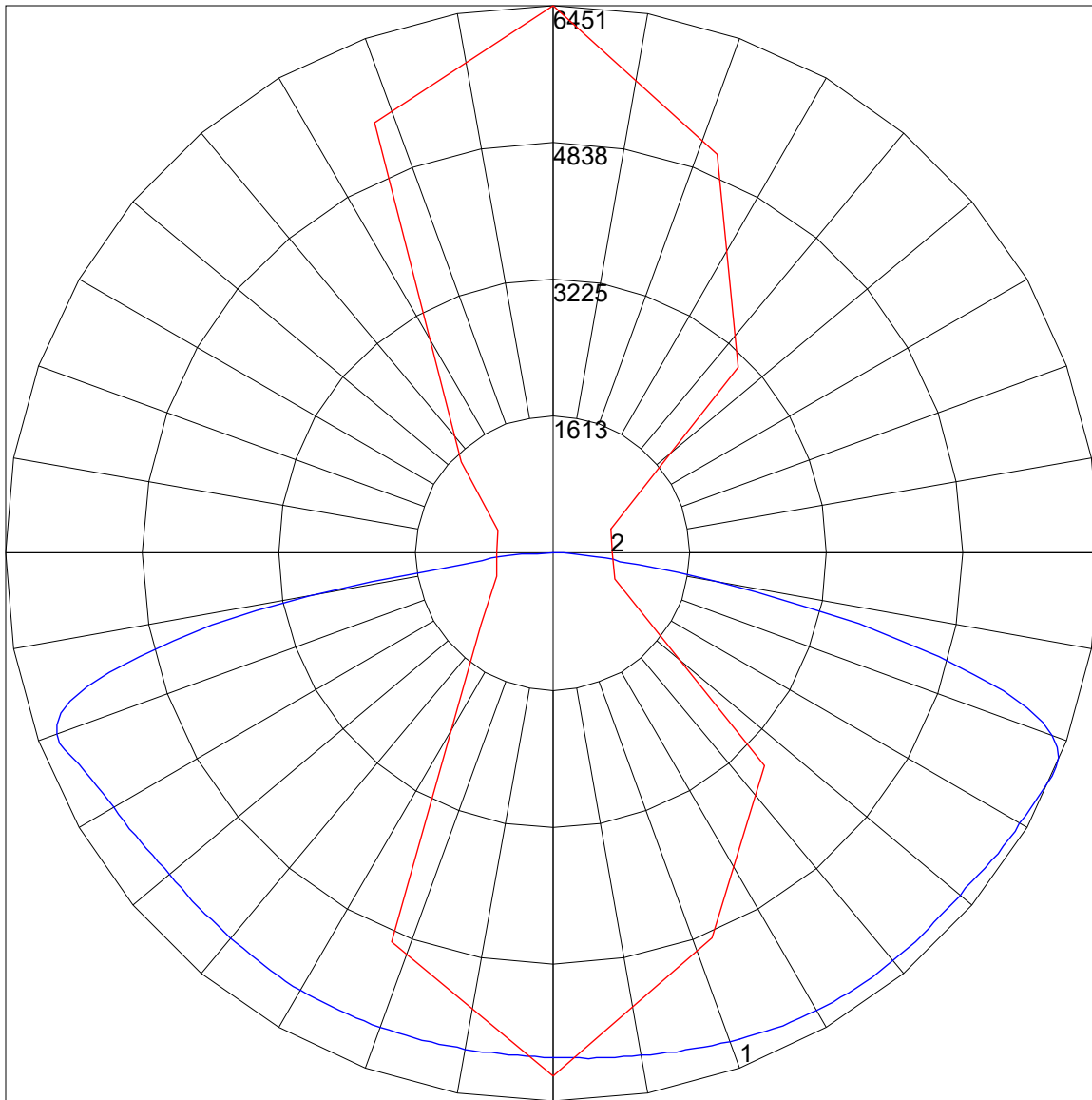
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT3-20000LM4K.IES**

**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	26.5	28.2	26.9	28.5	28.9	33.1	34.8	33.4	35.1	35.4
	3H	26.9	28.4	27.2	28.8	29.1	36.8	38.4	37.2	38.7	39.1
	4H	26.9	28.4	27.3	28.7	29.1	38.4	39.9	38.8	40.2	40.6
	6H	26.9	28.3	27.4	28.7	29.1	39.2	40.6	39.6	41.0	41.4
	8H	27.0	28.3	27.4	28.7	29.1	39.3	40.6	39.7	41.0	41.4
	12H	26.9	28.2	27.4	28.6	29.0	39.3	40.6	39.8	41.0	41.4
4H	2H	29.5	31.0	29.9	31.4	31.7	33.3	34.8	33.7	35.2	35.6
	3H	29.8	31.1	30.2	31.5	31.9	37.3	38.6	37.7	39.0	39.4
	4H	29.8	31.0	30.3	31.4	31.8	39.4	40.5	39.8	40.9	41.4
	6H	29.8	30.9	30.3	31.3	31.7	40.6	41.6	41.0	42.0	42.5
	8H	29.9	30.8	30.3	31.2	31.7	40.7	41.7	41.2	42.1	42.6
	12H	29.8	30.7	30.3	31.2	31.6	40.8	41.7	41.3	42.1	42.6
8H	4H	31.3	32.2	31.7	32.6	33.1	39.4	40.3	39.9	40.8	41.2
	6H	31.3	32.0	31.7	32.5	33.0	40.8	41.6	41.3	42.1	42.5
	8H	31.3	32.0	31.8	32.5	32.9	41.0	41.7	41.5	42.2	42.7
	12H	31.3	31.9	31.8	32.4	32.9	41.2	41.8	41.7	42.3	42.8
12H	4H	32.2	33.0	32.7	33.5	34.0	39.4	40.2	39.9	40.7	41.2
	6H	32.2	32.9	32.7	33.3	33.9	40.8	41.5	41.3	41.9	42.5
	8H	32.2	32.8	32.7	33.3	33.8	41.0	41.7	41.5	42.2	42.7

Maximum UGR = 42.8

POLAR GRAPH



Maximum Candela = 6450.91 Located At Horizontal Angle = 90, Vertical Angle = 67  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67) (Through Max. Cd.)