

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT3HV-20000LM4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-49932E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-01
[ISSUE DATE] 2022-12-01 20:01:57
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT3HV-20000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	21049
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	155.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
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	119618	167889	212115
55	90573	182746	263484
65	43471	184466	362837
75	21057	28878	455706
85	12725	12537	183974

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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	5985.58	5985.58	5985.58	5985.58	5985.58	5985.58	5985.58	5985.58	5985.58	5985.58
1	6000.51	6000.87	6000.38	5996.50	5991.01	5984.07	5977.28	5970.55	5966.67	5967.13
2	6009.43	6011.94	6011.66	6006.59	5996.52	5982.79	5967.31	5951.87	5943.53	5945.00
3	6017.15	6020.24	6021.02	6016.60	6002.89	5981.90	5955.15	5929.38	5915.64	5917.56
4	6021.78	6026.86	6029.77	6025.39	6008.61	5980.42	5941.18	5903.08	5883.15	5886.15
5	6023.53	6031.50	6037.71	6033.09	6014.57	5976.91	5924.52	5873.91	5847.33	5853.22
6	6023.80	6034.69	6042.82	6040.08	6019.93	5974.78	5906.39	5842.74	5807.58	5816.36
7	6023.37	6036.68	6047.61	6047.94	6027.19	5973.19	5887.35	5808.41	5764.67	5776.03
8	6020.21	6035.87	6052.55	6055.65	6034.94	5969.83	5866.60	5771.88	5721.28	5735.57
9	6013.28	6033.06	6056.31	6064.40	6042.33	5966.49	5844.82	5733.72	5675.30	5693.60
10	6002.62	6027.08	6059.54	6072.80	6050.71	5962.85	5820.76	5693.91	5627.52	5649.92
11	5987.03	6017.01	6061.93	6082.06	6060.43	5959.83	5797.60	5652.18	5579.52	5606.10
12	5966.97	6002.35	6064.11	6092.88	6070.37	5956.86	5772.99	5609.56	5526.73	5560.55
13	5942.77	5985.58	6063.71	6104.01	6081.06	5954.69	5747.41	5564.99	5472.96	5513.11
14	5913.48	5964.72	6061.81	6115.20	6091.32	5953.37	5721.28	5518.84	5416.74	5464.12
15	5880.49	5938.64	6056.21	6126.00	6102.80	5951.46	5695.82	5470.78	5357.99	5415.15
16	5844.99	5909.81	6048.57	6134.53	6115.66	5950.17	5669.76	5421.03	5299.43	5362.65
17	5804.32	5878.87	6038.62	6143.46	6127.01	5949.98	5644.59	5370.76	5238.85	5309.84
18	5760.57	5844.67	6026.62	6151.70	6139.44	5950.82	5621.32	5317.40	5179.13	5255.64
19	5713.66	5807.45	6011.82	6160.63	6151.80	5950.41	5596.20	5262.84	5115.30	5198.88
20	5664.08	5766.30	5994.41	6168.29	6163.91	5951.47	5571.41	5206.47	5050.03	5141.20
21	5610.78	5723.46	5974.85	6174.83	6175.64	5951.69	5546.24	5149.30	4983.60	5082.01
22	5552.95	5677.98	5953.39	6180.83	6187.71	5952.15	5520.17	5089.69	4915.71	5019.99
23	5491.90	5627.61	5930.01	6183.46	6197.88	5953.21	5494.23	5031.59	4847.95	4958.99
24	5424.87	5574.94	5906.79	6185.21	6208.29	5954.08	5468.78	4973.39	4777.71	4895.60
25	5352.73	5517.04	5880.72	6184.82	6218.94	5954.71	5440.74	4912.69	4707.18	4832.08
26	5280.15	5457.12	5853.77	6184.17	6230.08	5954.93	5412.63	4850.28	4633.52	4766.30
27	5202.90	5393.49	5825.66	6183.94	6238.92	5955.12	5385.31	4787.85	4561.87	4701.63
28	5120.80	5324.37	5795.27	6184.57	6246.44	5954.26	5357.88	4725.03	4488.49	4634.46
29	5035.92	5253.59	5762.02	6182.45	6254.94	5953.41	5331.09	4661.67	4415.90	4568.72
30	4951.30	5179.67	5727.74	6178.88	6264.45	5953.62	5305.51	4598.17	4342.98	4503.66
31	4865.65	5102.01	5690.84	6174.97	6271.86	5951.64	5278.10	4532.83	4268.16	4439.36
32	4778.84	5023.27	5652.20	6170.43	6277.11	5949.22	5250.04	4465.46	4192.78	4372.73
33	4690.81	4945.16	5610.94	6165.26	6282.19	5946.43	5221.98	4397.23	4113.77	4302.48
34	4599.41	4864.97	5568.59	6159.95	6286.32	5942.44	5194.57	4326.65	4032.51	4229.36
35	4512.92	4785.31	5525.86	6152.39	6289.71	5936.27	5163.81	4256.01	3948.17	4153.56
36	4425.96	4704.84	5479.66	6141.77	6292.92	5928.34	5132.08	4181.40	3856.74	4074.39
37	4337.10	4623.15	5431.01	6132.08	6294.22	5920.93	5100.25	4106.39	3764.50	3991.94
38	4244.74	4538.85	5381.90	6120.56	6295.55	5913.00	5067.05	4026.09	3665.92	3905.24
39	4149.53	4451.99	5328.83	6107.58	6297.02	5904.56	5033.41	3942.12	3570.89	3818.89
40	4054.81	4366.60	5276.53	6092.81	6298.57	5894.50	4998.46	3855.03	3476.23	3727.68
41	3955.97	4281.35	5222.31	6076.76	6300.98	5883.86	4964.55	3762.98	3378.11	3636.04
42	3857.20	4195.57	5168.93	6058.47	6303.29	5873.12	4930.02	3665.30	3274.02	3541.24
43	3754.46	4107.81	5108.99	6038.23	6304.15	5861.32	4895.00	3564.77	3163.36	3445.80
44	3652.67	4015.53	5048.15	6017.63	6304.29	5849.23	4858.19	3457.74	3052.62	3346.18
45	3553.98	3920.67	4988.18	5996.78	6302.17	5834.99	4818.83	3342.75	2943.33	3241.38
46	3450.69	3820.40	4924.73	5973.03	6300.47	5821.38	4778.54	3224.21	2836.54	3131.44
47	3348.50	3716.49	4860.61	5947.33	6298.54	5805.76	4737.31	3109.30	2734.36	3013.03
48	3243.27	3611.60	4797.31	5920.87	6299.25	5785.74	4694.15	2988.07	2631.60	2888.56
49	3125.14	3500.61	4737.22	5889.16	6301.59	5763.00	4648.67	2862.20	2530.72	2768.91
50	2993.98	3381.90	4676.06	5852.97	6305.99	5735.30	4602.45	2732.12	2426.32	2654.18
51	2842.17	3251.88	4619.63	5812.25	6311.11	5712.77	4556.98	2603.22	2316.69	2539.46
52	2678.16	3101.33	4561.54	5770.48	6317.01	5691.60	4506.29	2475.49	2208.67	2423.72
53	2508.04	2918.93	4504.70	5725.44	6325.33	5671.88	4452.90	2345.94	2104.71	2305.66

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CANDELA TABULATION - (Cont.)

54	2340.07	2720.03	4451.13	5679.74	6336.84	5652.24	4395.40	2214.88	2005.56	2185.40
55	2182.85	2506.10	4404.25	5632.01	6350.08	5635.73	4334.34	2091.91	1912.86	2063.80
56	2027.02	2295.23	4363.32	5580.93	6364.04	5618.38	4266.16	1976.73	1824.93	1948.19
57	1877.50	2091.45	4330.20	5526.48	6373.50	5601.95	4187.13	1867.96	1736.78	1839.67
58	1721.70	1897.88	4307.83	5469.17	6379.82	5588.16	4092.37	1766.69	1640.32	1739.08
59	1558.34	1717.79	4276.99	5406.65	6385.55	5573.48	3980.43	1669.04	1534.60	1639.95
60	1394.94	1549.75	4235.67	5341.15	6390.57	5556.04	3844.77	1568.33	1427.38	1534.73
61	1245.00	1391.99	4168.11	5273.70	6396.80	5537.73	3681.91	1455.31	1320.15	1425.91
62	1104.22	1239.21	4060.66	5207.19	6408.03	5521.44	3490.29	1340.52	1212.92	1317.10
63	976.82	1097.50	3890.60	5143.49	6418.34	5515.22	3271.53	1225.79	1103.94	1208.27
64	867.55	967.41	3641.80	5089.42	6429.92	5516.12	3027.01	1114.92	1003.56	1098.81
65	771.94	851.05	3275.65	5045.82	6443.08	5522.70	2771.55	1007.18	913.62	995.56
66	691.65	748.85	2805.40	5015.36	6455.00	5537.75	2485.89	902.60	831.99	896.57
67	619.49	658.85	2272.31	5012.90	6460.20	5564.75	2174.63	806.63	754.37	804.27
68	547.36	583.87	1768.40	5038.43	6448.56	5607.53	1836.62	723.94	677.32	720.68
69	475.22	509.27	1376.68	5092.09	6407.92	5656.98	1593.92	650.01	599.87	642.34
70	425.36	455.92	1081.02	5159.67	6315.71	5690.58	1351.22	582.28	533.45	572.50
71	377.36	402.73	854.55	5229.62	6183.59	5687.00	1110.05	519.78	483.66	510.95
72	327.71	349.54	654.54	5297.34	5992.15	5632.42	973.42	459.60	440.75	457.53
73	288.57	307.68	539.52	5357.79	5722.61	5527.21	853.57	402.52	399.34	407.58
74	255.85	271.26	426.79	5418.51	5368.39	5381.17	741.83	349.90	361.06	357.82
75	228.99	240.28	314.05	5463.84	4955.81	5197.28	615.86	303.17	330.91	311.85
76	207.05	212.91	264.93	5465.12	4488.93	4968.11	471.07	262.75	303.99	272.78
77	187.26	188.75	227.06	5313.59	3990.30	4704.10	335.15	229.64	278.53	238.88
78	166.43	166.02	195.06	4901.02	3416.91	4474.78	255.46	201.58	250.58	209.64
79	150.02	143.91	166.57	4252.68	2775.79	4170.91	206.03	176.88	216.22	183.89
80	132.12	123.16	141.50	3433.39	2155.57	3658.61	175.98	154.39	193.92	160.29
81	114.91	103.99	119.23	2622.98	1740.03	2948.29	145.93	131.90	169.84	136.70
82	96.43	86.64	98.28	1976.07	1324.48	2261.52	116.00	109.48	146.16	113.12
83	79.46	70.08	79.14	1497.30	913.51	1787.64	94.19	90.90	122.45	94.28
84	63.01	55.77	61.19	1113.43	760.74	1313.77	74.61	75.18	97.74	77.97
85	46.60	41.53	45.91	802.24	673.73	841.65	57.55	55.68	65.00	55.35
86	30.18	27.29	30.68	602.25	563.95	551.15	41.58	37.92	32.25	37.65
87	16.10	15.45	18.29	403.31	425.22	357.02	28.35	20.15	0.54	19.96
88	10.79	4.10	7.86	204.36	288.73	209.20	15.12	2.42	0.20	2.39
89	5.75	2.32	4.66	47.04	152.24	63.91	2.11	0.58	0.21	0.30
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-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	5985.58	5985.58	5985.58	5985.58	5985.58	5985.58	5985.58
1	5971.20	5976.25	5982.97	5988.56	5994.13	5997.46	6000.51
2	5953.79	5966.88	5980.77	5991.62	6000.99	6005.88	6009.43
3	5934.95	5956.32	5978.02	5993.76	6005.26	6011.64	6017.15
4	5911.80	5945.91	5976.45	5995.30	6007.08	6014.78	6021.78
5	5888.12	5935.90	5976.21	5997.70	6008.40	6016.12	6023.53
6	5863.98	5924.80	5975.79	5999.18	6010.31	6016.54	6023.80
7	5838.55	5914.53	5977.90	6001.13	6011.63	6015.48	6023.37
8	5811.24	5905.87	5978.99	6004.74	6012.28	6012.94	6020.21
9	5783.14	5894.71	5979.87	6007.83	6012.30	6008.18	6013.28
10	5755.31	5882.53	5977.77	6008.71	6011.24	6000.52	6002.62
11	5727.54	5871.45	5976.67	6008.52	6008.47	5989.36	5987.03
12	5695.95	5858.47	5975.80	6007.45	6004.16	5975.16	5966.97
13	5664.60	5847.38	5977.68	6007.64	5998.31	5957.42	5942.77
14	5632.32	5837.08	5979.44	6010.37	5991.14	5935.84	5913.48
15	5601.03	5826.01	5982.00	6013.43	5980.06	5909.50	5880.49
16	5568.66	5815.51	5984.34	6016.93	5967.80	5879.78	5844.99
17	5537.43	5805.24	5985.87	6019.31	5953.32	5847.19	5804.32
18	5505.25	5794.74	5986.55	6020.37	5938.18	5811.56	5760.57
19	5473.57	5784.09	5987.84	6020.18	5921.82	5772.21	5713.66
20	5442.21	5773.62	5989.14	6020.18	5902.95	5730.75	5664.08
21	5410.05	5763.19	5989.81	6019.10	5882.48	5686.87	5610.78
22	5375.43	5753.18	5990.02	6016.33	5860.68	5639.73	5552.95
23	5340.59	5742.59	5991.30	6011.22	5835.22	5589.90	5491.90
24	5304.40	5732.07	5992.81	6006.23	5807.23	5537.50	5424.87
25	5268.83	5721.90	5992.20	6000.67	5777.12	5480.28	5352.73
26	5233.27	5711.15	5992.83	5995.09	5747.57	5420.23	5280.15
27	5197.44	5700.46	5993.88	5988.38	5716.54	5358.72	5202.90
28	5160.30	5688.87	5993.91	5982.11	5683.69	5293.72	5120.80
29	5122.64	5677.26	5994.13	5975.94	5648.92	5225.93	5035.92
30	5083.88	5667.18	5993.05	5968.76	5612.54	5156.64	4951.30
31	5043.73	5657.96	5991.54	5961.86	5574.49	5084.66	4865.65
32	5003.65	5647.17	5986.79	5953.85	5535.57	5013.57	4778.84
33	4962.34	5634.97	5982.38	5944.62	5497.19	4940.16	4690.81
34	4920.70	5620.95	5977.30	5932.91	5456.26	4864.64	4599.41
35	4880.99	5606.54	5974.07	5923.86	5414.12	4789.22	4512.92
36	4840.64	5590.62	5967.59	5911.12	5369.60	4712.93	4425.96

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CANDELA TABULATION - (Cont.)

37	4800.07	5574.94	5964.23	5895.78	5322.70	4633.64	4337.10
38	4760.67	5558.55	5960.89	5879.54	5275.02	4553.01	4244.74
39	4720.76	5541.70	5957.23	5866.82	5223.73	4467.88	4149.53
40	4680.56	5522.39	5954.45	5852.33	5171.99	4384.50	4054.81
41	4637.88	5503.43	5953.12	5835.21	5118.12	4299.34	3955.97
42	4595.44	5485.03	5952.90	5817.98	5061.78	4215.77	3857.20
43	4553.20	5464.17	5954.99	5798.59	5001.95	4130.46	3754.46
44	4510.66	5442.65	5957.15	5779.14	4942.12	4046.35	3652.67
45	4466.15	5423.71	5958.49	5757.88	4882.29	3961.12	3553.98
46	4420.29	5405.45	5954.21	5735.72	4819.07	3868.15	3450.69
47	4370.37	5385.66	5949.17	5714.83	4754.40	3770.36	3348.50
48	4319.01	5366.83	5944.28	5694.80	4690.21	3670.47	3243.27
49	4269.01	5349.39	5943.42	5668.24	4624.79	3561.85	3125.14
50	4216.72	5328.80	5944.23	5636.69	4559.58	3448.36	2993.98
51	4156.68	5307.46	5947.28	5604.14	4497.26	3324.87	2842.17
52	4088.94	5287.18	5954.83	5572.93	4435.65	3186.57	2678.16
53	4010.82	5268.00	5963.68	5541.33	4377.50	3029.46	2508.04
54	3923.91	5247.74	5973.50	5508.24	4325.75	2854.41	2340.07
55	3830.62	5230.29	5985.39	5475.72	4278.45	2657.22	2182.85
56	3725.15	5212.28	5999.39	5441.93	4237.77	2446.70	2027.02
57	3603.03	5195.79	6011.65	5404.29	4205.62	2242.06	1877.50
58	3462.01	5177.63	6021.73	5363.43	4184.18	2055.69	1721.70
59	3293.18	5156.70	6030.34	5316.00	4175.01	1872.29	1558.34
60	3096.27	5133.71	6044.23	5266.86	4166.98	1677.05	1394.94
61	2872.97	5109.67	6062.22	5211.57	4154.49	1484.61	1245.00
62	2630.42	5084.04	6082.23	5154.04	4131.53	1293.09	1104.22
63	2370.78	5060.63	6104.70	5099.56	4088.72	1126.48	976.82
64	2085.57	5036.97	6130.06	5046.10	4001.09	985.48	867.55
65	1794.43	5015.80	6162.50	4993.62	3839.65	866.75	771.94
66	1565.00	5001.43	6199.65	4946.33	3567.16	763.70	691.65
67	1335.58	5002.15	6240.23	4909.31	3161.54	674.00	619.49
68	1107.14	5029.27	6276.87	4892.69	2621.39	599.81	547.36
69	914.07	5081.47	6296.86	4888.63	2046.52	525.71	475.22
70	761.98	5147.03	6274.83	4873.05	1625.80	451.61	425.36
71	645.63	5206.07	6210.71	4841.49	1328.87	394.34	377.36
72	551.01	5238.05	6093.09	4797.47	1094.69	346.94	327.71
73	464.53	5252.63	5899.63	4727.69	918.57	302.82	288.57
74	395.94	5228.46	5625.16	4629.45	770.03	264.40	255.85
75	342.69	5135.23	5267.19	4528.92	606.83	233.92	228.99
76	297.59	4996.61	4849.19	4484.58	457.79	208.41	207.05
77	257.02	4813.27	4395.02	4514.31	308.93	185.86	187.26
78	218.95	4492.11	3870.10	4499.85	226.32	163.16	166.43
79	185.30	3984.37	3272.19	4310.98	183.76	141.78	150.02
80	159.97	3251.67	2562.74	3911.80	154.12	120.54	132.12
81	134.65	2397.95	1786.99	3246.39	129.57	101.33	114.91
82	109.34	1880.44	1240.37	2570.07	106.85	83.46	96.43
83	88.85	1362.93	928.61	2028.82	86.23	68.09	79.46
84	70.68	850.65	769.47	1545.91	66.89	54.33	63.01
85	54.73	588.56	676.84	1115.34	51.10	40.57	46.60
86	37.90	402.50	542.33	778.77	35.40	26.81	30.18
87	25.72	275.31	407.29	528.71	19.70	15.11	16.10
88	13.53	148.12	272.25	280.16	8.05	4.15	10.79
89	1.54	22.82	64.17	31.62	5.80	2.31	5.75
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-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 : MPLSEL25HTT3HV-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 : MPLSEL25HTT3HV-20000LM4K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2216.48	N.A.	10.50
0-30	4791.42	N.A.	22.80
0-40	8053.18	N.A.	38.30
0-60	15302.02	N.A.	72.70
0-80	20583.29	N.A.	97.80
0-90	21048.53	N.A.	100.00
10-90	20480.81	N.A.	97.30
20-40	5836.7	N.A.	27.70
20-50	9473.88	N.A.	45.00
40-70	10343.17	N.A.	49.10
60-80	5281.27	N.A.	25.10
70-80	2186.94	N.A.	10.40
80-90	465.25	N.A.	2.20
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	21048.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	567.72
10-20	1648.75
20-30	2574.94
30-40	3261.75
40-50	3637.18
50-60	3611.66
60-70	3094.33
70-80	2186.94
80-90	465.25
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-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	46	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	26	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

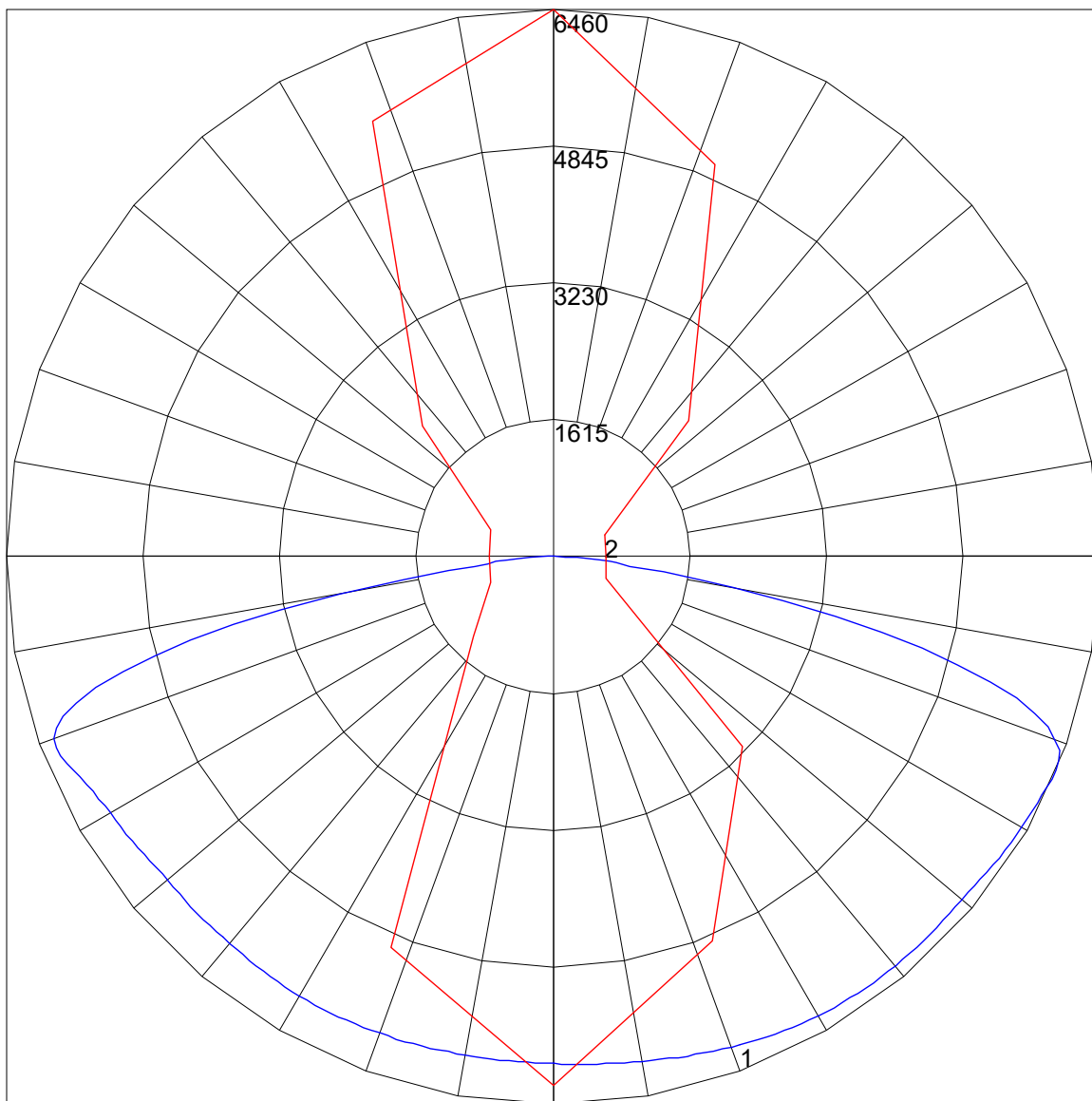
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT3HV-20000LM4K.IES

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	25.7	27.5	26.1	27.8	28.1	33.0	34.8	33.4	35.1	35.4
	3H	26.1	27.6	26.4	28.0	28.3	36.8	38.4	37.2	38.7	39.1
	4H	26.1	27.6	26.5	27.9	28.3	38.5	40.0	38.9	40.3	40.7
	6H	26.1	27.5	26.5	27.9	28.3	39.4	40.8	39.8	41.1	41.5
	8H	26.1	27.5	26.6	27.8	28.2	39.5	40.8	40.0	41.2	41.6
	12H	26.1	27.4	26.5	27.8	28.2	39.6	40.8	40.0	41.2	41.6
4H	2H	28.8	30.3	29.2	30.7	31.0	33.3	34.8	33.7	35.2	35.5
	3H	29.1	30.3	29.5	30.7	31.1	37.3	38.6	37.7	39.0	39.4
	4H	29.1	30.2	29.5	30.6	31.1	39.5	40.6	39.9	41.0	41.5
	6H	29.1	30.1	29.5	30.5	31.0	40.8	41.8	41.2	42.2	42.7
	8H	29.1	30.0	29.5	30.5	30.9	41.0	41.9	41.4	42.3	42.8
	12H	29.1	29.9	29.6	30.4	30.9	41.0	41.9	41.5	42.4	42.8
8H	4H	30.7	31.7	31.2	32.1	32.6	39.5	40.4	40.0	40.9	41.3
	6H	30.7	31.5	31.2	32.0	32.5	41.0	41.8	41.5	42.3	42.7
	8H	30.7	31.4	31.2	31.9	32.4	41.3	42.0	41.8	42.5	43.0
	12H	30.7	31.3	31.2	31.8	32.4	41.4	42.1	41.9	42.6	43.1
12H	4H	31.7	32.5	32.1	33.0	33.5	39.5	40.3	39.9	40.8	41.3
	6H	31.7	32.4	32.2	32.8	33.4	41.0	41.7	41.5	42.1	42.7
	8H	31.7	32.3	32.2	32.8	33.3	41.3	41.9	41.8	42.4	43.0

Maximum UGR = 43.1

POLAR GRAPH



Maximum Candela = 6460.2 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.)