

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT5-20000LM4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-49929E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-10-31
[ISSUEDATE] 2022-10-31 22:58:07
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT5-20000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	21498
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	151.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.58
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.60
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	197022	183924	169765
55	204155	189832	178771
65	165629	165607	178593
75	55999	48212	75996
85	8861	10622	11335

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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	6060.85	6060.85	6060.85	6060.85	6060.85	6060.85	6060.85	6060.85	6060.85	6060.85
1	6094.00	6086.20	6079.87	6071.71	6057.38	6044.89	6035.55	6028.16	6028.59	6029.55
2	6127.55	6116.19	6098.13	6076.91	6053.97	6027.18	6007.12	5996.62	5993.88	6002.23
3	6160.97	6145.49	6116.79	6084.93	6048.06	6011.32	5982.45	5964.72	5961.55	5970.93
4	6195.38	6172.60	6135.04	6094.55	6042.94	5993.59	5955.79	5932.16	5929.63	5942.54
5	6228.34	6199.00	6154.64	6100.28	6038.29	5979.38	5930.48	5901.17	5897.08	5912.49
6	6262.09	6229.67	6173.68	6108.74	6033.42	5962.79	5902.02	5869.02	5863.38	5883.47
7	6299.06	6260.16	6190.40	6115.36	6030.21	5946.11	5877.83	5835.55	5831.28	5854.26
8	6332.20	6287.85	6206.98	6119.64	6026.28	5931.96	5850.45	5806.18	5801.99	5828.57
9	6365.54	6310.16	6223.81	6126.36	6020.29	5914.45	5825.45	5775.73	5772.26	5801.45
10	6398.08	6335.43	6237.79	6131.74	6013.42	5895.39	5800.33	5747.52	5744.72	5777.32
11	6429.22	6360.10	6247.23	6132.07	6006.91	5879.39	5777.16	5718.55	5714.30	5751.59
12	6458.57	6382.46	6258.55	6132.71	5999.51	5863.46	5753.26	5690.20	5683.94	5725.98
13	6485.63	6399.08	6266.90	6131.66	5991.78	5848.15	5733.89	5665.16	5653.27	5700.55
14	6508.66	6415.70	6272.69	6129.92	5980.79	5830.69	5710.56	5638.10	5624.73	5675.73
15	6530.12	6428.56	6276.98	6123.09	5967.71	5813.86	5689.86	5613.40	5592.74	5655.25
16	6548.68	6439.47	6279.16	6119.21	5954.64	5797.85	5664.74	5588.21	5569.20	5628.96
17	6568.23	6451.90	6279.62	6113.88	5944.07	5781.48	5641.97	5560.46	5541.42	5604.43
18	6583.61	6457.37	6277.53	6105.50	5930.74	5765.81	5618.22	5533.79	5513.63	5578.61
19	6593.97	6461.11	6269.45	6092.83	5916.19	5746.47	5596.44	5505.87	5487.94	5551.35
20	6602.50	6463.32	6257.82	6079.16	5899.84	5727.45	5571.78	5478.88	5461.24	5525.02
21	6604.79	6460.15	6246.75	6064.61	5884.49	5706.37	5548.59	5449.19	5434.30	5500.33
22	6604.16	6452.84	6232.60	6048.21	5867.10	5683.87	5521.20	5421.27	5408.17	5475.48
23	6599.68	6442.49	6215.93	6031.78	5850.18	5662.56	5494.88	5391.75	5381.18	5452.49
24	6588.12	6427.70	6196.21	6011.14	5830.03	5641.77	5464.95	5359.16	5349.85	5425.19
25	6573.90	6411.28	6175.14	5987.64	5810.78	5618.78	5435.68	5328.12	5320.55	5399.38
26	6557.53	6392.39	6154.17	5963.10	5788.63	5593.76	5407.31	5293.90	5289.45	5374.81
27	6537.37	6367.08	6134.55	5937.99	5766.96	5570.49	5379.38	5257.70	5256.81	5344.29
28	6514.83	6343.86	6113.35	5911.79	5743.48	5544.27	5350.73	5225.33	5220.25	5311.03
29	6494.47	6320.43	6088.69	5884.42	5714.53	5518.54	5323.58	5190.93	5186.36	5274.93
30	6476.76	6295.81	6061.21	5857.15	5685.05	5490.42	5297.69	5160.42	5155.62	5244.21
31	6456.66	6269.84	6033.45	5830.10	5652.64	5461.73	5272.38	5132.30	5125.47	5215.46
32	6436.32	6243.60	6005.48	5797.39	5621.50	5434.29	5243.10	5101.95	5097.59	5185.58
33	6411.12	6218.19	5973.56	5762.92	5587.07	5405.07	5216.69	5074.02	5069.32	5158.17
34	6378.65	6190.97	5940.43	5728.61	5552.70	5374.03	5189.42	5043.41	5042.95	5129.54
35	6345.51	6159.49	5909.17	5692.76	5513.58	5343.08	5158.64	5012.02	5017.27	5101.02
36	6307.90	6122.96	5877.06	5655.48	5474.98	5308.47	5126.58	4982.62	4992.74	5071.87
37	6267.91	6087.92	5841.87	5615.32	5434.21	5274.32	5094.65	4954.27	4969.09	5043.91
38	6226.22	6045.85	5804.22	5573.86	5392.59	5237.98	5062.33	4925.75	4943.22	5013.62
39	6179.64	6003.16	5766.07	5532.48	5347.96	5198.85	5026.86	4895.06	4917.80	4985.48
40	6128.99	5956.97	5724.75	5488.51	5302.74	5158.85	4991.56	4865.31	4889.53	4959.23
41	6077.80	5910.47	5677.23	5444.33	5253.87	5118.99	4956.80	4835.23	4862.58	4932.33
42	6023.91	5861.81	5631.10	5395.63	5202.95	5074.00	4918.42	4806.51	4832.33	4903.40
43	5966.66	5809.55	5575.73	5344.19	5150.92	5027.00	4882.10	4773.49	4800.91	4875.15
44	5910.08	5751.95	5522.43	5291.97	5098.32	4979.64	4845.13	4740.89	4769.10	4845.55
45	5853.73	5694.77	5464.57	5239.04	5043.91	4930.79	4805.16	4705.57	4735.73	4815.21
46	5794.01	5629.84	5401.45	5180.72	4988.19	4881.22	4767.28	4670.23	4698.80	4786.45
47	5731.15	5562.17	5335.30	5119.88	4931.48	4828.48	4727.42	4632.37	4660.34	4753.20
48	5668.80	5494.31	5259.26	5053.82	4869.03	4771.95	4683.77	4593.28	4623.96	4719.16
49	5599.52	5417.70	5182.95	4985.41	4807.14	4714.16	4636.85	4552.63	4585.28	4683.60
50	5525.60	5337.32	5099.41	4916.93	4744.83	4652.28	4588.72	4511.07	4541.66	4647.23
51	5434.36	5251.47	5007.78	4843.47	4674.40	4589.58	4539.84	4469.46	4499.10	4607.95
52	5323.98	5154.89	4912.28	4767.12	4598.52	4526.62	4489.03	4428.27	4447.95	4564.70
53	5203.52	5039.95	4806.73	4683.06	4509.20	4461.43	4432.39	4384.78	4391.10	4524.28

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CANDELA TABULATION - (Cont.)

54	5066.78	4911.71	4694.85	4590.72	4409.28	4393.14	4372.08	4335.98	4324.70	4480.25
55	4920.22	4767.52	4575.04	4483.96	4308.45	4314.39	4306.59	4278.15	4249.03	4425.91
56	4763.69	4608.50	4449.13	4361.19	4202.33	4226.38	4235.65	4210.99	4166.46	4366.29
57	4607.88	4439.02	4317.24	4231.05	4094.92	4131.59	4161.86	4131.85	4079.67	4289.37
58	4445.38	4263.77	4171.81	4086.74	3990.75	4034.71	4082.76	4039.58	3991.56	4198.69
59	4285.37	4079.71	4019.26	3934.66	3884.67	3929.60	3997.32	3940.25	3907.39	4102.02
60	4123.76	3899.32	3853.27	3781.19	3775.19	3818.49	3901.61	3840.15	3833.88	4003.46
61	3944.92	3715.69	3677.04	3620.75	3670.76	3707.05	3794.94	3740.08	3767.06	3906.68
62	3738.57	3528.34	3494.76	3460.07	3567.96	3591.80	3669.78	3646.42	3713.18	3809.15
63	3497.02	3328.41	3308.99	3303.98	3454.50	3476.79	3520.23	3553.60	3663.33	3713.68
64	3229.53	3106.50	3120.73	3148.13	3323.89	3360.53	3343.31	3456.44	3608.15	3615.67
65	2941.16	2861.72	2940.76	2990.83	3171.36	3234.26	3149.80	3351.34	3536.36	3511.49
66	2651.82	2610.77	2761.69	2822.91	2996.69	3092.33	2964.37	3230.72	3435.22	3395.02
67	2367.87	2360.81	2572.86	2656.53	2794.34	2920.61	2785.72	3085.71	3299.27	3259.73
68	2111.56	2123.02	2369.48	2475.76	2561.58	2730.15	2612.81	2925.60	3135.69	3109.45
69	1867.30	1880.19	2127.80	2265.09	2290.00	2510.11	2455.77	2742.65	2945.02	2945.80
70	1624.90	1643.49	1849.82	2024.44	1993.42	2259.54	2309.48	2550.99	2731.50	2779.69
71	1375.68	1407.50	1519.51	1746.44	1698.96	1982.17	2148.96	2347.09	2496.81	2616.08
72	1143.40	1165.44	1189.76	1446.95	1463.49	1703.06	1948.62	2116.65	2240.27	2455.01
73	923.32	950.91	897.28	1148.74	1228.02	1436.37	1703.01	1854.95	1948.05	2281.07
74	726.22	746.86	660.91	887.29	993.59	1169.67	1384.18	1536.01	1613.59	2063.49
75	608.99	599.74	524.31	694.00	826.46	905.02	1065.35	1217.06	1279.13	1806.86
76	492.96	453.15	388.65	567.76	679.30	724.28	746.66	900.73	944.85	1477.13
77	376.93	306.57	252.99	441.58	538.05	573.44	494.19	663.69	702.07	1147.39
78	264.43	232.31	207.67	315.40	401.93	453.42	344.70	488.49	552.78	819.75
79	171.33	176.70	168.41	235.76	264.38	359.50	259.12	362.09	439.70	563.04
80	130.96	135.28	136.85	179.62	191.01	279.02	208.75	274.79	305.70	403.74
81	101.92	108.49	113.92	140.58	117.66	225.72	173.34	202.08	238.01	287.65
82	80.63	84.26	93.66	108.70	90.91	191.46	152.81	172.55	170.32	223.13
83	64.02	61.91	73.56	83.74	69.99	162.24	132.28	143.02	103.39	158.61
84	48.23	46.05	56.18	60.95	55.86	133.02	111.75	113.46	79.04	95.17
85	32.45	30.42	38.90	44.68	41.51	103.80	90.80	75.94	52.87	65.03
86	16.68	17.76	21.61	28.50	29.78	75.08	63.41	50.81	26.70	43.58
87	7.28	8.08	11.09	16.87	20.15	56.44	42.49	25.68	0.58	22.14
88	4.28	5.76	7.81	7.26	10.52	37.80	21.57	0.88	0.35	0.92
89	1.49	3.68	4.75	4.49	1.09	19.16	1.03	0.50	0.38	0.42
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 : MPLSEL25HTT5-20000LM4K.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	6060.85	6060.85	6060.85	6060.85	6060.85	6060.85	6060.85
1	6039.20	6050.88	6064.48	6076.47	6086.24	6093.71	6094.00
2	6017.05	6043.27	6071.19	6093.35	6112.32	6127.46	6127.55
3	5994.03	6033.37	6074.43	6111.37	6142.05	6159.51	6160.97
4	5974.41	6023.13	6077.72	6127.05	6169.83	6193.13	6195.38
5	5952.02	6011.43	6081.63	6147.47	6196.89	6225.01	6228.34
6	5927.16	5999.95	6085.66	6164.83	6225.11	6261.47	6262.09
7	5904.57	5988.95	6088.97	6184.07	6256.81	6295.66	6299.06
8	5880.76	5979.47	6093.54	6203.42	6287.05	6332.56	6332.20
9	5860.56	5966.94	6095.88	6220.32	6316.81	6368.10	6365.54
10	5842.80	5956.85	6099.71	6236.58	6345.02	6402.66	6398.08
11	5821.95	5947.58	6104.46	6249.86	6370.74	6434.49	6429.22
12	5805.71	5939.34	6107.92	6266.39	6393.47	6465.49	6458.57
13	5784.72	5930.44	6112.67	6276.32	6413.76	6492.84	6485.63
14	5767.25	5927.48	6115.99	6285.57	6431.37	6516.04	6508.66
15	5750.59	5920.10	6119.64	6293.32	6447.68	6535.80	6530.12
16	5732.60	5914.15	6123.68	6298.52	6459.91	6556.21	6548.68
17	5713.86	5905.90	6121.71	6305.12	6469.24	6573.57	6568.23
18	5696.92	5899.55	6121.85	6311.43	6477.57	6586.77	6583.61
19	5677.37	5892.22	6120.16	6314.34	6484.98	6599.40	6593.97
20	5658.40	5881.36	6119.28	6316.94	6491.30	6607.34	6602.50
21	5639.08	5871.58	6115.85	6317.64	6492.90	6614.95	6604.79
22	5621.82	5859.71	6109.39	6316.15	6491.00	6618.03	6604.16
23	5602.62	5849.61	6103.30	6311.83	6489.48	6615.08	6599.68
24	5582.78	5835.83	6095.19	6301.76	6485.21	6608.04	6588.12
25	5562.74	5820.44	6086.86	6292.38	6476.50	6596.68	6573.90
26	5542.10	5803.94	6076.61	6280.78	6466.24	6579.39	6557.53
27	5520.64	5788.71	6062.12	6270.82	6452.83	6562.45	6537.37
28	5495.15	5772.88	6045.82	6257.28	6437.78	6544.62	6514.83
29	5470.28	5756.11	6031.01	6242.93	6419.56	6528.47	6494.47
30	5444.18	5737.60	6012.51	6225.38	6402.75	6508.49	6476.76
31	5417.08	5719.36	5995.45	6209.01	6382.43	6486.25	6456.66
32	5393.70	5698.80	5975.98	6189.82	6361.07	6457.82	6436.32
33	5370.41	5677.55	5957.47	6165.04	6335.12	6426.67	6411.12
34	5347.62	5652.53	5938.85	6138.70	6307.00	6391.92	6378.65
35	5323.57	5629.72	5918.16	6108.17	6281.76	6357.52	6345.51
36	5297.07	5607.24	5884.60	6077.00	6251.80	6321.41	6307.90

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	5271.55	5586.52	5850.90	6046.48	6222.38	6285.84	6267.91
38	5246.44	5557.65	5815.24	6014.17	6190.11	6247.32	6226.22
39	5221.68	5520.64	5780.08	5980.82	6157.12	6207.35	6179.64
40	5193.33	5482.14	5746.95	5943.67	6122.22	6162.11	6128.99
41	5169.46	5447.30	5712.38	5906.47	6082.83	6114.69	6077.80
42	5143.73	5412.48	5677.11	5866.65	6041.04	6066.51	6023.91
43	5113.09	5374.86	5640.30	5824.33	5999.81	6017.72	5966.66
44	5081.07	5339.79	5603.17	5780.30	5952.07	5965.38	5910.08
45	5049.55	5305.10	5565.00	5733.38	5902.70	5913.24	5853.73
46	5015.74	5268.94	5522.67	5684.94	5846.54	5853.17	5794.01
47	4981.07	5229.13	5477.52	5637.21	5785.83	5788.47	5731.15
48	4944.42	5186.40	5429.71	5581.65	5721.44	5723.49	5668.80
49	4909.25	5144.23	5379.28	5522.91	5651.53	5655.68	5599.52
50	4869.15	5095.07	5324.60	5459.27	5583.20	5585.90	5525.60
51	4829.27	5046.43	5264.05	5389.26	5505.79	5507.62	5434.36
52	4788.64	4994.47	5199.48	5316.89	5425.39	5427.63	5323.98
53	4744.00	4941.30	5125.59	5237.11	5336.44	5330.69	5203.52
54	4698.25	4881.56	5047.54	5149.33	5249.03	5219.79	5066.78
55	4653.18	4814.84	4965.45	5049.50	5152.78	5095.85	4920.22
56	4604.30	4742.07	4878.88	4942.38	5050.29	4957.84	4763.69
57	4551.86	4666.61	4790.19	4832.73	4942.43	4803.45	4607.88
58	4493.35	4586.81	4696.48	4718.21	4825.92	4639.53	4445.38
59	4428.43	4505.32	4599.48	4601.46	4699.97	4468.92	4285.37
60	4353.36	4415.66	4501.77	4479.24	4564.89	4296.38	4123.76
61	4264.33	4324.87	4400.07	4350.35	4417.43	4121.81	3944.92
62	4156.70	4225.21	4303.85	4210.99	4249.75	3951.33	3738.57
63	4024.86	4121.99	4213.43	4074.59	4070.01	3767.83	3497.02
64	3861.92	4009.33	4110.53	3936.45	3875.13	3562.73	3229.53
65	3683.42	3896.22	4007.33	3801.76	3673.22	3327.24	2941.16
66	3490.66	3780.55	3896.15	3652.67	3459.27	3062.13	2651.82
67	3288.34	3649.21	3767.21	3493.63	3245.01	2781.20	2367.87
68	3087.76	3506.53	3625.81	3326.04	3035.36	2509.17	2111.56
69	2900.60	3354.73	3452.91	3141.06	2824.69	2242.05	1867.30
70	2735.97	3181.68	3256.51	2946.15	2602.27	1983.70	1624.90
71	2607.53	2986.39	3031.10	2728.55	2326.59	1735.37	1375.68
72	2506.67	2772.93	2798.83	2503.20	2001.00	1471.63	1143.40
73	2405.72	2548.11	2529.50	2271.93	1650.29	1214.51	923.32
74	2258.13	2324.13	2195.53	1987.45	1278.22	975.69	726.22
75	2030.93	2071.22	1845.88	1627.85	921.80	750.88	608.99
76	1736.76	1765.41	1525.25	1230.70	629.84	610.03	492.96
77	1385.82	1398.89	1275.94	928.72	503.85	469.26	376.93
78	1034.49	1035.78	1070.62	711.46	380.28	328.48	264.43
79	672.66	795.54	865.94	574.26	256.71	245.00	171.33
80	421.18	602.76	596.29	437.29	206.40	168.78	130.96
81	285.42	417.62	367.04	300.33	160.61	127.87	101.92
82	224.31	287.30	138.95	206.54	122.58	98.94	80.63
83	163.21	223.99	105.18	139.34	93.72	71.37	64.02
84	102.16	160.69	78.43	96.52	74.33	54.60	48.23
85	78.95	97.68	62.33	61.82	55.75	37.85	32.45
86	57.51	75.77	46.42	43.55	37.18	21.09	16.68
87	38.67	53.62	30.51	25.52	18.61	10.18	7.28
88	19.83	35.71	18.13	13.08	6.43	7.10	4.28
89	1.29	17.80	6.87	9.14	3.85	4.26	1.49
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 : MPLSEL25HTT5-20000LM4K.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 : MPLSEL25HTT5-20000LM4K.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 : MPLSEL25HTT5-20000LM4K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2290.78	N.A.	10.70
0-30	5030.25	N.A.	23.40
0-40	8590.29	N.A.	40.00
0-60	16812.93	N.A.	78.20
0-80	21405.42	N.A.	99.60
0-90	21498.21	N.A.	100.00
10-90	20919.73	N.A.	97.30
20-40	6299.5	N.A.	29.30
20-50	10389.07	N.A.	48.30
40-70	11520.39	N.A.	53.60
60-80	4592.5	N.A.	21.40
70-80	1294.75	N.A.	6.00
80-90	92.78	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	21498.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	578.47
10-20	1712.31
20-30	2739.47
30-40	3560.04
40-50	4089.57
50-60	4133.07
60-70	3297.75
70-80	1294.75
80-90	92.78
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 : MPLSEL25HTT5-20000LM4K.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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT5-20000LM4K.IES

UGR TABLE - CORRECTED

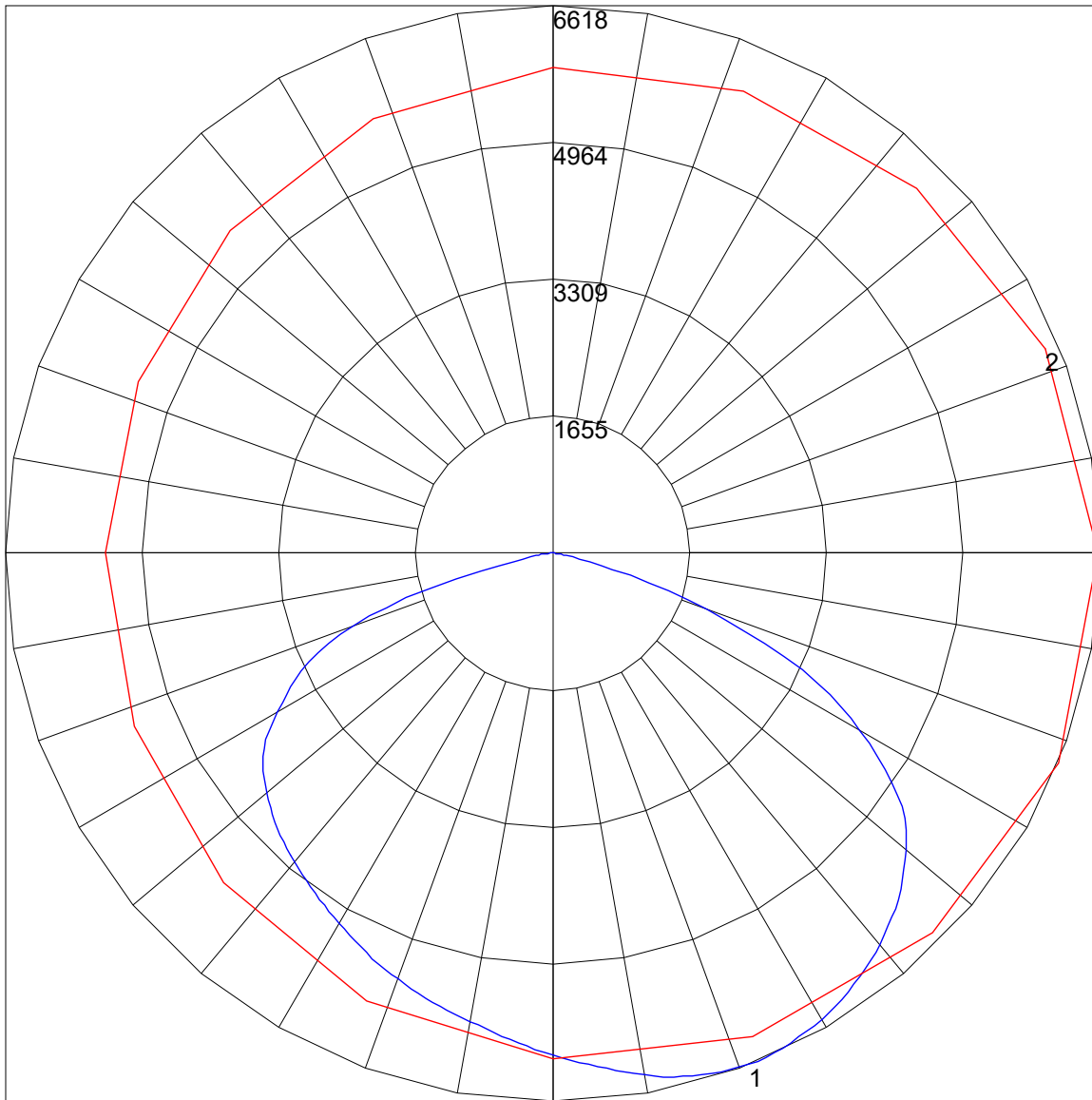
Reflectances

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	31.4	33.1	31.8	33.4	33.7	30.7	32.4	31.1	32.7	33.0
	3H	32.5	34.0	32.9	34.3	34.7	32.4	34.0	32.8	34.3	34.6
	4H	32.6	34.0	33.0	34.4	34.7	32.6	34.1	33.0	34.4	34.8
	6H	32.6	33.9	33.0	34.2	34.6	32.6	34.0	33.0	34.3	34.7
	8H	32.5	33.8	32.9	34.2	34.6	32.6	33.9	33.0	34.3	34.7
	12H	32.5	33.7	32.9	34.1	34.5	32.6	33.8	33.0	34.2	34.6
4H	2H	32.0	33.5	32.4	33.8	34.2	31.4	32.8	31.8	33.2	33.5
	3H	33.2	34.5	33.7	34.9	35.3	33.2	34.4	33.6	34.8	35.2
	4H	33.4	34.5	33.8	34.9	35.3	33.4	34.5	33.8	34.9	35.3
	6H	33.4	34.3	33.8	34.7	35.2	33.4	34.4	33.9	34.8	35.3
	8H	33.3	34.2	33.8	34.7	35.1	33.4	34.3	33.9	34.8	35.2
	12H	33.3	34.1	33.8	34.6	35.1	33.4	34.2	33.9	34.7	35.1
8H	4H	33.5	34.3	33.9	34.8	35.3	33.5	34.4	34.0	34.8	35.3
	6H	33.5	34.2	33.9	34.7	35.1	33.5	34.2	34.0	34.7	35.2
	8H	33.4	34.1	33.9	34.6	35.1	33.5	34.2	34.0	34.7	35.1
	12H	33.4	34.0	33.9	34.5	35.0	33.5	34.1	34.0	34.6	35.1
12H	4H	33.5	34.2	33.9	34.7	35.2	33.5	34.3	33.9	34.7	35.2
	6H	33.4	34.1	34.0	34.5	35.1	33.5	34.2	34.0	34.6	35.2
	8H	33.4	34.0	33.9	34.5	35.0	33.5	34.1	34.0	34.6	35.1

Maximum UGR = 35.3

POLAR GRAPH



Maximum Candela = 6618.03 Located At Horizontal Angle = 337.5, Vertical Angle = 22
1 - Vertical Plane Through Horizontal Angles (337.5 - 157.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22) (Through Max. Cd.)