

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT5-20000LM3K.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 21:37:52
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT5-20000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20616
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	150.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.54
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	190967	172263	150280
55	193401	173165	157017
65	142865	153104	163836
75	46086	51296	77969
85	9372	11373	11092

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT5-20000LM3K.IES

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	6196.35	6196.35	6196.35	6196.35	6196.35	6196.35	6196.35	6196.35	6196.35	6196.35
1	6230.48	6221.31	6207.62	6195.93	6181.36	6171.48	6162.66	6161.76	6166.74	6172.03
2	6266.00	6247.17	6221.16	6193.56	6166.25	6145.62	6128.82	6125.75	6132.72	6145.26
3	6299.22	6270.17	6232.65	6191.02	6149.89	6117.90	6093.80	6089.33	6099.38	6120.28
4	6334.30	6295.86	6243.47	6187.72	6129.66	6090.36	6060.04	6053.46	6064.28	6094.98
5	6369.22	6321.17	6251.90	6184.27	6112.81	6061.48	6025.65	6016.35	6031.87	6069.24
6	6406.77	6342.51	6258.26	6177.07	6092.30	6032.60	5988.54	5980.04	5999.39	6043.35
7	6441.15	6362.33	6262.92	6168.96	6071.65	6001.85	5953.29	5943.31	5965.97	6016.20
8	6476.93	6385.88	6269.05	6159.85	6049.50	5973.63	5920.36	5906.26	5935.56	5991.22
9	6508.06	6407.41	6272.41	6147.84	6028.90	5940.14	5884.89	5870.88	5903.91	5967.45
10	6535.62	6426.31	6275.42	6136.24	6003.48	5911.36	5852.36	5837.64	5873.65	5942.35
11	6562.60	6442.73	6277.16	6123.33	5979.67	5879.67	5819.70	5806.16	5843.53	5917.74
12	6588.23	6458.28	6275.07	6107.26	5953.14	5851.89	5784.79	5771.60	5812.84	5890.76
13	6606.70	6468.47	6271.37	6091.95	5925.99	5820.99	5753.46	5738.48	5781.93	5866.34
14	6626.01	6476.29	6266.29	6073.29	5897.68	5789.12	5721.33	5705.53	5751.35	5840.26
15	6640.53	6483.84	6258.43	6053.93	5870.98	5758.16	5688.68	5670.33	5720.91	5814.80
16	6650.04	6489.64	6250.71	6033.85	5842.42	5724.30	5655.22	5636.88	5691.06	5788.76
17	6658.63	6494.16	6240.46	6009.92	5811.84	5690.73	5620.12	5604.11	5663.44	5761.86
18	6666.02	6494.04	6227.97	5985.88	5779.55	5656.28	5584.89	5572.07	5636.90	5739.26
19	6669.60	6492.54	6210.54	5957.93	5746.04	5622.19	5549.42	5541.16	5608.01	5713.98
20	6669.84	6487.37	6190.03	5929.34	5711.88	5584.32	5511.29	5506.94	5577.67	5685.85
21	6667.05	6477.63	6169.35	5898.98	5674.03	5544.63	5475.09	5472.85	5548.03	5661.65
22	6658.81	6464.20	6141.36	5864.62	5637.29	5503.73	5436.45	5437.66	5518.99	5636.26
23	6645.61	6444.78	6111.47	5832.03	5598.92	5462.94	5396.19	5403.07	5489.80	5609.50
24	6627.97	6422.15	6081.61	5793.19	5560.38	5420.03	5353.84	5365.48	5460.52	5581.19
25	6606.75	6397.54	6050.66	5753.99	5518.57	5379.77	5315.29	5329.40	5429.52	5552.12
26	6579.21	6368.87	6017.44	5712.04	5474.18	5338.34	5275.07	5291.40	5399.50	5522.64
27	6546.09	6340.86	5985.38	5671.93	5433.67	5293.93	5235.47	5252.85	5365.63	5490.61
28	6513.67	6311.62	5949.97	5630.71	5389.93	5248.91	5196.02	5212.55	5329.59	5455.16
29	6478.63	6281.13	5912.40	5587.07	5343.30	5204.07	5159.30	5175.71	5296.52	5417.99
30	6446.55	6247.94	5873.33	5543.72	5297.05	5159.03	5119.05	5140.13	5261.81	5380.96
31	6410.16	6211.53	5831.64	5499.14	5246.62	5114.47	5082.09	5104.17	5226.53	5345.09
32	6372.68	6176.82	5792.41	5451.38	5198.53	5070.26	5042.90	5069.32	5195.62	5308.86
33	6333.35	6139.27	5750.85	5402.83	5146.87	5024.68	5002.67	5035.40	5162.46	5275.46
34	6290.05	6098.24	5707.06	5352.02	5095.34	4980.43	4962.56	5000.90	5130.17	5240.45
35	6246.49	6059.67	5664.16	5301.40	5042.69	4934.13	4923.60	4967.89	5100.46	5207.35
36	6197.88	6012.78	5620.34	5249.18	4988.22	4887.06	4880.51	4931.70	5067.85	5170.73
37	6151.42	5964.32	5575.70	5196.20	4932.93	4836.14	4839.20	4894.14	5035.50	5136.86
38	6098.12	5914.76	5529.03	5143.92	4876.13	4787.78	4795.69	4858.70	5003.40	5103.53
39	6042.98	5860.70	5479.94	5090.32	4820.53	4737.42	4753.01	4823.52	4969.47	5070.20
40	5986.50	5804.54	5427.79	5034.74	4763.97	4685.07	4709.70	4786.48	4935.12	5037.31
41	5929.50	5747.28	5370.36	4978.01	4707.38	4632.15	4665.23	4749.18	4901.70	5003.85
42	5868.03	5689.69	5312.45	4921.36	4648.64	4579.58	4617.89	4711.49	4866.35	4970.53
43	5804.35	5628.63	5251.44	4862.10	4589.91	4524.85	4570.04	4672.41	4828.10	4936.38
44	5740.40	5565.59	5186.98	4802.34	4528.27	4471.18	4523.03	4632.06	4791.48	4903.78
45	5673.83	5500.79	5118.12	4742.22	4464.98	4416.11	4473.32	4591.69	4752.40	4868.44
46	5604.95	5429.86	5047.25	4679.38	4400.22	4358.69	4425.60	4549.09	4711.00	4830.86
47	5533.91	5356.87	4975.59	4615.18	4336.53	4298.41	4375.20	4506.23	4668.85	4790.22
48	5462.28	5283.74	4893.91	4544.88	4273.94	4237.20	4322.12	4462.86	4624.19	4749.20
49	5383.27	5204.30	4807.95	4471.13	4207.84	4177.13	4269.47	4413.20	4576.17	4707.69
50	5300.08	5121.14	4719.11	4395.74	4140.80	4112.28	4213.58	4362.31	4527.30	4663.36
51	5201.18	5030.06	4622.32	4315.10	4072.82	4048.36	4156.27	4314.50	4476.79	4617.08
52	5088.18	4933.79	4519.16	4232.19	4003.23	3981.50	4097.44	4263.26	4417.93	4570.57
53	4963.81	4821.66	4410.29	4144.84	3932.55	3914.02	4035.95	4211.92	4355.21	4521.19

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT5-20000LM3K.IES

CANDELA TABULATION - (Cont.)

54	4818.88	4695.91	4295.72	4051.72	3860.29	3846.87	3970.64	4155.04	4278.54	4466.96
55	4661.06	4551.95	4173.35	3956.58	3784.19	3777.29	3898.23	4090.80	4191.52	4406.76
56	4496.48	4385.76	4047.43	3855.27	3704.93	3705.77	3823.43	4014.68	4096.78	4335.84
57	4328.69	4207.89	3916.66	3748.86	3628.15	3634.19	3741.07	3924.12	4000.33	4253.90
58	4157.94	4014.14	3783.08	3638.39	3546.64	3555.48	3653.49	3824.99	3906.15	4157.81
59	3979.34	3819.03	3642.32	3524.57	3465.19	3478.33	3560.53	3713.06	3822.05	4056.25
60	3796.94	3625.81	3501.14	3410.93	3381.23	3394.99	3461.20	3601.93	3751.08	3954.26
61	3595.26	3429.51	3351.93	3290.59	3292.17	3309.43	3346.20	3487.17	3689.93	3855.76
62	3361.57	3233.74	3195.60	3168.63	3200.59	3222.26	3225.57	3372.57	3637.93	3762.06
63	3104.73	3031.63	3039.79	3045.16	3106.45	3134.23	3090.56	3260.53	3590.71	3670.52
64	2822.07	2814.68	2877.86	2918.69	3011.99	3040.09	2950.03	3146.36	3533.52	3577.15
65	2536.92	2576.75	2718.75	2794.24	2909.31	2939.19	2793.07	3028.98	3452.64	3480.86
66	2268.95	2330.80	2565.82	2661.87	2782.52	2834.43	2646.96	2895.27	3342.65	3363.02
67	2021.06	2088.89	2413.87	2526.52	2643.46	2719.19	2500.30	2753.67	3199.44	3220.26
68	1807.06	1858.56	2248.33	2382.96	2479.62	2581.40	2372.81	2601.94	3025.85	3047.98
69	1610.81	1634.81	2048.96	2224.90	2293.64	2427.11	2263.68	2449.74	2820.81	2860.15
70	1415.39	1408.90	1798.72	2040.81	2080.96	2256.69	2178.39	2301.37	2597.81	2667.98
71	1201.68	1180.76	1492.63	1812.40	1835.38	2064.21	2104.71	2157.30	2352.45	2480.20
72	990.86	951.50	1181.96	1545.52	1565.13	1849.74	2020.60	2002.09	2078.27	2289.37
73	785.91	760.37	905.15	1250.01	1294.88	1578.45	1877.85	1821.54	1787.79	2066.32
74	605.28	608.92	694.34	945.35	1024.77	1307.15	1593.45	1563.56	1496.81	1792.33
75	501.19	491.00	557.85	713.07	847.91	1036.52	1309.04	1305.58	1205.82	1466.17
76	397.20	374.25	424.22	585.02	707.80	803.41	1023.33	1045.96	916.62	1140.00
77	308.93	305.49	290.58	459.34	581.04	625.79	677.98	727.98	700.92	814.30
78	227.59	237.45	220.02	333.66	442.67	494.91	415.08	503.42	558.13	583.13
79	155.13	174.45	172.94	246.10	306.22	396.68	284.35	377.10	443.57	434.15
80	123.61	127.95	139.30	186.12	234.89	308.29	225.09	295.31	319.59	323.57
81	101.08	103.72	116.78	143.41	163.56	236.86	184.76	224.07	249.71	218.68
82	81.27	84.47	97.11	111.43	92.41	197.49	161.65	187.53	179.82	168.04
83	68.15	64.89	76.89	86.04	72.20	165.53	138.55	151.00	110.32	117.63
84	51.28	48.82	59.24	64.01	55.39	133.56	115.53	114.43	82.43	91.94
85	34.32	32.83	41.65	48.08	40.62	101.60	96.16	76.56	54.90	64.34
86	17.36	16.85	24.06	32.19	29.03	68.34	66.60	51.22	27.36	43.22
87	7.48	7.41	11.39	16.29	19.63	46.01	44.70	25.89	0.56	22.11
88	4.40	4.39	8.05	6.40	10.23	23.67	22.81	1.29	0.33	1.04
89	1.43	1.47	4.86	4.05	0.93	1.51	1.08	0.47	0.35	0.39
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT5-20000LM3K.IES

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 : MPLSEL25HTT5-20000LM3K.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	6196.35	6196.35	6196.35	6196.35	6196.35	6196.35	6196.35
1	6183.63	6196.31	6209.20	6222.59	6229.86	6233.15	6230.48
2	6169.64	6193.75	6222.77	6248.83	6266.34	6269.90	6266.00
3	6152.27	6193.11	6238.92	6278.25	6302.31	6310.11	6299.22
4	6137.67	6193.05	6253.66	6305.43	6338.05	6347.46	6334.30
5	6122.61	6190.89	6266.37	6330.31	6373.54	6386.08	6369.22
6	6104.05	6187.07	6280.11	6356.20	6406.24	6425.99	6406.77
7	6087.55	6180.31	6289.60	6379.56	6438.80	6466.03	6441.15
8	6070.98	6176.93	6300.17	6401.21	6467.34	6500.65	6476.93
9	6052.58	6169.90	6307.26	6417.39	6496.23	6532.83	6508.06
10	6033.28	6163.25	6312.41	6431.78	6518.14	6562.25	6535.62
11	6012.73	6155.62	6316.11	6442.83	6534.69	6588.55	6562.60
12	5995.02	6147.33	6316.60	6449.57	6551.85	6610.82	6588.23
13	5976.83	6137.37	6316.62	6454.22	6563.65	6630.54	6606.70
14	5956.33	6125.93	6313.18	6457.41	6573.53	6647.44	6626.01
15	5935.56	6113.81	6306.94	6455.77	6580.85	6658.63	6640.53
16	5915.88	6101.72	6298.93	6452.56	6586.20	6670.15	6650.04
17	5893.54	6087.47	6287.86	6445.11	6586.10	6676.50	6658.63
18	5871.31	6072.62	6273.65	6435.21	6584.61	6681.33	6666.02
19	5848.83	6056.23	6259.77	6424.08	6583.29	6682.49	6669.60
20	5831.67	6036.16	6241.68	6409.15	6572.82	6681.86	6669.84
21	5809.34	6017.04	6223.79	6395.55	6564.51	6677.98	6667.05
22	5784.16	5999.00	6199.29	6377.32	6553.68	6671.92	6658.81
23	5760.16	5976.66	6176.09	6355.35	6535.99	6662.97	6645.61
24	5735.84	5954.76	6153.75	6335.42	6514.73	6646.51	6627.97
25	5708.75	5930.23	6124.16	6308.08	6490.28	6625.47	6606.75
26	5676.67	5903.83	6094.07	6281.67	6460.96	6601.61	6579.21
27	5646.23	5872.64	6065.19	6248.68	6431.59	6572.20	6546.09
28	5612.63	5843.09	6035.25	6212.59	6398.89	6541.02	6513.67
29	5577.88	5811.39	6001.25	6175.80	6367.20	6508.62	6478.63
30	5542.42	5777.69	5967.47	6135.99	6333.58	6473.69	6446.55
31	5508.10	5741.68	5934.02	6094.56	6301.25	6439.38	6410.16
32	5475.50	5706.78	5897.05	6051.82	6262.41	6399.05	6372.68
33	5441.21	5668.81	5857.35	6006.91	6224.11	6358.05	6333.35
34	5406.59	5633.53	5812.50	5961.17	6183.90	6315.18	6290.05
35	5369.36	5594.18	5766.86	5913.85	6141.05	6273.91	6246.49
36	5332.96	5553.60	5716.68	5865.89	6098.42	6227.98	6197.88

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT5-20000LM3K.IES

CANDELA TABULATION - (Cont.)

37	5297.97	5509.09	5667.03	5815.38	6051.74	6178.78	6151.42
38	5260.67	5461.95	5615.87	5763.43	6006.79	6129.45	6098.12
39	5227.19	5416.69	5563.16	5709.75	5956.54	6077.37	6042.98
40	5191.86	5369.32	5511.78	5657.45	5907.51	6022.73	5986.50
41	5152.23	5323.19	5456.85	5602.11	5854.20	5965.54	5929.50
42	5108.86	5274.74	5400.18	5546.89	5797.11	5904.88	5868.03
43	5064.75	5224.27	5343.13	5487.83	5737.37	5841.90	5804.35
44	5023.13	5175.52	5284.42	5424.61	5676.18	5776.05	5740.40
45	4979.65	5123.18	5224.72	5364.49	5611.80	5707.93	5673.83
46	4938.01	5070.91	5161.83	5297.38	5541.53	5633.19	5604.95
47	4892.77	5015.95	5103.24	5230.24	5473.64	5557.30	5533.91
48	4848.81	4958.61	5040.03	5160.43	5394.03	5479.23	5462.28
49	4802.29	4900.66	4974.03	5084.86	5312.92	5395.60	5383.27
50	4757.39	4840.31	4906.59	5009.21	5229.71	5308.97	5300.08
51	4709.80	4779.54	4835.08	4927.74	5138.19	5216.71	5201.18
52	4660.78	4715.28	4762.33	4847.45	5043.17	5117.25	5088.18
53	4608.90	4649.58	4688.00	4758.76	4941.51	5008.12	4963.81
54	4555.38	4580.61	4613.48	4665.90	4834.44	4885.82	4818.88
55	4497.52	4509.44	4535.50	4574.29	4723.02	4748.33	4661.06
56	4437.18	4437.48	4455.34	4479.73	4605.02	4591.93	4496.48
57	4373.67	4362.44	4370.50	4384.02	4482.33	4423.84	4328.69
58	4302.39	4287.71	4285.96	4284.27	4350.02	4242.88	4157.94
59	4227.05	4209.65	4197.74	4179.99	4212.02	4059.22	3979.34
60	4144.36	4128.05	4105.39	4074.12	4069.94	3875.86	3796.94
61	4049.22	4041.17	4011.93	3958.72	3920.53	3693.23	3595.26
62	3937.23	3951.92	3915.10	3834.15	3762.54	3513.12	3361.57
63	3809.61	3853.19	3825.33	3703.47	3598.84	3334.34	3104.73
64	3658.08	3748.98	3730.81	3568.10	3429.19	3138.92	2822.07
65	3492.46	3635.00	3636.99	3435.09	3253.60	2929.74	2536.92
66	3314.49	3523.95	3539.06	3300.88	3085.82	2704.32	2268.95
67	3136.37	3406.88	3430.52	3159.77	2929.12	2482.15	2021.06
68	2964.32	3271.97	3309.89	3010.93	2788.42	2261.28	1807.06
69	2810.02	3121.37	3175.68	2855.44	2648.17	2036.92	1610.81
70	2673.84	2959.04	3020.20	2700.53	2488.69	1804.78	1415.39
71	2556.94	2787.89	2845.56	2537.63	2286.80	1553.98	1201.68
72	2442.13	2610.06	2644.77	2362.25	2028.25	1294.59	990.86
73	2315.12	2417.36	2414.13	2164.89	1714.61	1041.39	785.91
74	2144.52	2200.57	2109.49	1923.78	1350.35	825.53	605.28
75	1874.85	1940.26	1752.05	1606.40	995.84	630.40	501.19
76	1505.22	1579.45	1390.40	1228.27	697.02	518.79	397.20
77	1135.59	1218.64	1124.19	894.24	553.98	409.37	308.93
78	767.07	860.32	928.02	657.98	411.91	299.96	227.59
79	458.93	631.33	729.08	518.86	269.83	226.76	155.13
80	294.34	450.04	530.57	382.68	211.40	159.25	123.61
81	213.73	303.63	332.08	246.50	160.18	122.08	101.08
82	164.47	240.44	133.59	169.50	119.83	96.94	81.27
83	115.43	177.26	105.18	120.66	93.93	75.59	68.15
84	89.61	114.83	76.72	89.59	75.62	57.15	51.28
85	72.53	88.77	60.78	61.56	56.65	38.78	34.32
86	54.56	65.77	44.88	42.99	37.68	20.41	17.36
87	36.79	42.04	28.99	24.46	18.70	9.73	7.48
88	19.03	28.06	16.33	12.06	5.91	6.87	4.40
89	1.40	14.09	5.23	8.52	3.63	4.16	1.43
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 : MPLSEL25HTT5-20000LM3K.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 : MPLSEL25HTT5-20000LM3K.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 : MPLSEL25HTT5-20000LM3K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2323.43	N.A.	11.30
0-30	5049.74	N.A.	24.50
0-40	8515.65	N.A.	41.30
0-60	16246.36	N.A.	78.80
0-80	20528.45	N.A.	99.60
0-90	20615.52	N.A.	100.00
10-90	20024.79	N.A.	97.10
20-40	6192.22	N.A.	30.00
20-50	10081.27	N.A.	48.90
40-70	10771.98	N.A.	52.30
60-80	4282.09	N.A.	20.80
70-80	1240.82	N.A.	6.00
80-90	87.08	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	20615.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	590.73
10-20	1732.7
20-30	2726.3
30-40	3465.91
40-50	3889.06
50-60	3841.65
60-70	3041.27
70-80	1240.82
80-90	87.08
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 : MPLSEL25HTT5-20000LM3K.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

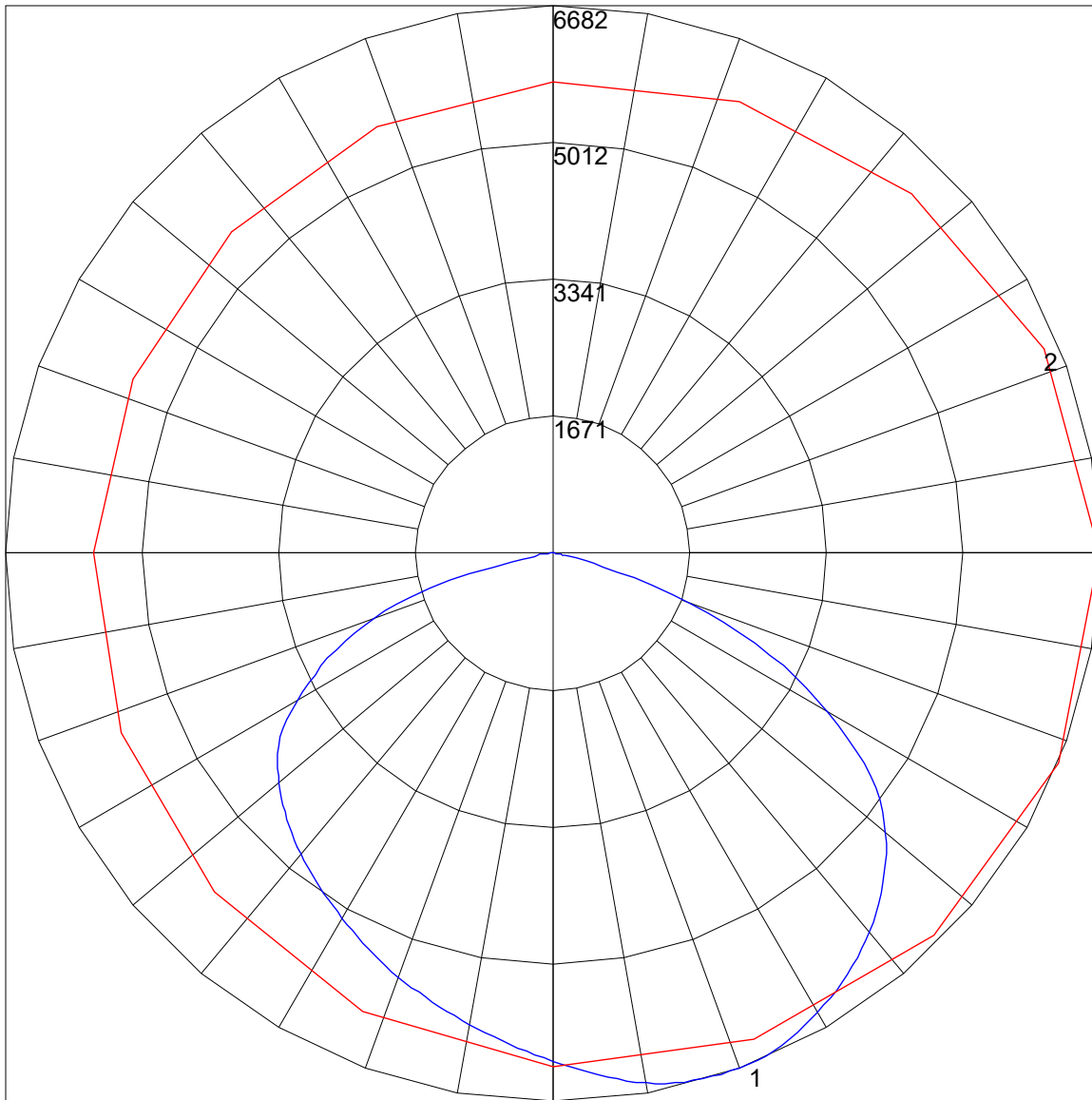
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT5-20000LM3K.IES

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	31.0	32.7	31.4	33.0	33.3	30.0	31.7	30.3	32.0	32.3
	3H	32.0	33.5	32.3	33.8	34.2	32.0	33.5	32.3	33.8	34.2
	4H	32.0	33.5	32.4	33.8	34.2	32.2	33.7	32.6	34.0	34.4
	6H	32.0	33.3	32.4	33.7	34.1	32.3	33.6	32.7	34.0	34.4
	8H	32.0	33.2	32.4	33.6	34.0	32.3	33.5	32.7	33.9	34.3
	12H	32.0	33.2	32.4	33.5	34.0	32.2	33.4	32.7	33.8	34.3
4H	2H	31.6	33.0	32.0	33.4	33.8	30.7	32.1	31.1	32.4	32.8
	3H	32.7	33.9	33.1	34.3	34.7	32.8	34.0	33.2	34.4	34.8
	4H	32.8	33.9	33.2	34.3	34.7	33.1	34.2	33.5	34.6	35.0
	6H	32.8	33.7	33.3	34.2	34.6	33.2	34.1	33.6	34.5	35.0
	8H	32.8	33.7	33.2	34.1	34.6	33.1	34.0	33.6	34.5	34.9
	12H	32.8	33.5	33.2	34.0	34.5	33.1	33.9	33.6	34.4	34.9
8H	4H	32.9	33.8	33.4	34.3	34.7	33.2	34.1	33.7	34.5	35.0
	6H	32.9	33.6	33.4	34.1	34.6	33.3	34.0	33.8	34.5	35.0
	8H	32.9	33.5	33.4	34.0	34.5	33.3	33.9	33.8	34.4	34.9
	12H	32.9	33.5	33.4	33.9	34.5	33.3	33.8	33.8	34.3	34.9
12H	4H	32.9	33.7	33.4	34.2	34.7	33.2	34.0	33.7	34.5	34.9
	6H	32.9	33.6	33.4	34.0	34.6	33.3	33.9	33.8	34.4	34.9
	8H	32.9	33.5	33.4	33.9	34.5	33.3	33.8	33.8	34.3	34.9

Maximum UGR = 35.0

POLAR GRAPH



Maximum Candela = 6682.49 Located At Horizontal Angle = 337.5, Vertical Angle = 19
1 - Vertical Plane Through Horizontal Angles (337.5 - 157.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (19) (Through Max. Cd.)