

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT5-24000LM3K.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 21:19:47
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT5-24000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	24165
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	185.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.54
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	223892	202074	176309
55	226603	203058	184345
65	166892	179540	192305
75	53730	55405	91575
85	11182	13427	13044

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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	7259.33	7259.33	7259.33	7259.33	7259.33	7259.33	7259.33	7259.33	7259.33	7259.33
1	7298.17	7288.78	7275.13	7259.33	7242.55	7229.25	7220.87	7218.10	7220.95	7230.22
2	7337.75	7317.23	7289.55	7257.60	7224.67	7198.00	7182.76	7176.42	7182.86	7200.35
3	7378.29	7345.68	7302.97	7254.62	7205.59	7166.29	7141.62	7133.87	7144.12	7170.92
4	7420.28	7374.86	7315.14	7249.96	7184.82	7133.47	7100.95	7091.08	7103.38	7139.75
5	7461.76	7403.92	7325.70	7244.13	7163.15	7099.49	7060.42	7048.79	7065.37	7109.27
6	7504.39	7430.32	7334.96	7236.50	7139.69	7065.53	7019.25	7005.25	7025.69	7078.28
7	7545.76	7457.29	7341.80	7226.97	7115.28	7031.23	6976.35	6962.05	6986.93	7048.04
8	7585.78	7482.34	7346.90	7216.04	7090.76	6996.56	6936.46	6920.03	6951.33	7018.41
9	7622.37	7506.34	7351.09	7204.18	7064.38	6961.52	6896.37	6880.23	6914.98	6989.23
10	7655.95	7527.80	7353.90	7190.92	7036.32	6926.71	6856.29	6840.23	6880.33	6960.40
11	7687.99	7547.30	7354.56	7176.01	7007.79	6891.39	6817.82	6801.49	6844.96	6931.70
12	7716.93	7564.58	7353.29	7158.65	6977.16	6855.65	6780.00	6761.69	6808.87	6901.65
13	7741.43	7577.34	7350.35	7139.66	6947.15	6819.50	6742.04	6722.11	6772.98	6871.80
14	7762.46	7588.77	7345.16	7118.45	6914.74	6783.04	6704.32	6682.32	6737.57	6841.44
15	7779.54	7598.08	7336.87	7095.43	6882.36	6746.39	6665.43	6643.69	6702.45	6810.91
16	7793.50	7604.94	7325.99	7070.33	6847.47	6708.02	6626.92	6604.43	6667.62	6780.50
17	7803.85	7608.85	7312.90	7044.16	6811.44	6668.48	6586.26	6566.19	6634.64	6750.40
18	7811.71	7610.43	7298.78	7015.57	6774.16	6628.76	6545.49	6529.62	6602.52	6722.24
19	7816.36	7608.52	7279.83	6982.78	6735.06	6586.45	6504.43	6492.15	6568.48	6693.08
20	7816.17	7600.96	7257.07	6949.81	6695.37	6542.63	6461.69	6452.54	6535.30	6663.84
21	7813.15	7589.29	7229.39	6913.39	6652.25	6496.93	6418.10	6411.90	6501.25	6634.25
22	7803.85	7573.25	7198.36	6875.28	6609.82	6450.64	6372.99	6373.24	6468.11	6603.53
23	7788.85	7552.00	7165.65	6835.53	6564.61	6402.85	6325.25	6331.07	6433.76	6572.32
24	7769.61	7525.73	7129.30	6791.18	6518.32	6354.89	6276.46	6288.75	6398.01	6539.57
25	7743.41	7496.44	7092.16	6745.34	6471.47	6305.05	6229.21	6246.37	6362.41	6505.64
26	7711.51	7464.69	7055.16	6697.14	6421.84	6254.74	6182.41	6201.78	6325.79	6471.78
27	7674.86	7432.21	7015.29	6648.81	6372.49	6203.76	6137.53	6157.70	6287.56	6435.26
28	7635.94	7397.59	6973.14	6600.53	6319.74	6152.18	6091.99	6111.07	6246.80	6393.72
29	7595.73	7359.77	6928.25	6550.70	6267.27	6099.76	6046.63	6066.70	6206.44	6349.76
30	7555.38	7321.61	6884.23	6498.84	6210.97	6047.71	6001.86	6023.89	6166.10	6306.09
31	7513.88	7281.61	6837.58	6446.35	6155.86	5996.41	5957.32	5983.15	6126.31	6265.02
32	7470.22	7238.74	6790.17	6391.53	6097.72	5944.33	5911.81	5943.11	6088.05	6223.37
33	7423.18	7195.56	6742.09	6334.43	6037.11	5891.48	5865.95	5902.80	6050.61	6183.03
34	7373.22	7148.74	6691.60	6276.24	5976.65	5838.58	5819.13	5864.05	6013.52	6143.21
35	7320.07	7101.00	6641.87	6216.31	5913.39	5783.17	5772.32	5823.10	5977.01	6102.31
36	7264.96	7047.94	6588.59	6156.59	5850.60	5728.12	5724.13	5780.95	5940.61	6061.76
37	7208.14	6991.81	6535.77	6095.29	5786.15	5671.10	5674.09	5739.27	5903.16	6021.45
38	7148.06	6932.16	6481.06	6033.27	5721.76	5613.39	5624.31	5696.93	5864.42	5982.72
39	7083.84	6868.80	6423.70	5969.69	5655.77	5553.26	5573.94	5654.69	5825.35	5944.11
40	7018.28	6804.12	6363.68	5904.57	5589.07	5492.69	5522.47	5611.70	5785.34	5905.58
41	6949.93	6737.93	6299.43	5839.89	5522.66	5432.67	5470.05	5568.36	5746.14	5866.65
42	6878.54	6669.12	6229.50	5772.12	5453.17	5370.35	5416.03	5523.24	5704.73	5827.80
43	6804.98	6597.94	6157.22	5703.74	5383.77	5308.06	5360.58	5477.69	5661.74	5788.10
44	6728.63	6523.73	6081.71	5634.02	5313.09	5243.91	5305.43	5431.06	5618.71	5748.70
45	6652.08	6445.07	6003.84	5562.77	5238.33	5178.33	5248.98	5384.65	5572.39	5707.71
46	6569.56	6362.33	5920.25	5487.85	5165.37	5112.12	5191.39	5335.78	5524.73	5664.40
47	6487.09	6279.01	5833.91	5412.60	5089.73	5041.89	5131.90	5284.83	5474.63	5618.25
48	6400.43	6191.07	5739.58	5330.95	5014.59	4971.92	5070.20	5231.44	5422.14	5570.31
49	6309.16	6096.36	5637.43	5245.12	4937.26	4898.37	5007.55	5176.16	5366.01	5520.15
50	6209.99	5999.67	5532.30	5156.75	4859.73	4825.42	4944.37	5118.20	5309.04	5469.80
51	6096.37	5895.31	5419.10	5062.82	4780.64	4749.18	4876.84	5060.31	5248.59	5416.12
52	5964.50	5781.54	5300.31	4965.83	4699.69	4672.43	4807.83	5000.67	5182.31	5360.01
53	5816.27	5649.39	5170.68	4862.18	4617.38	4594.42	4734.96	4941.33	5108.74	5302.19

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54	5648.08	5501.16	5036.57	4755.14	4530.85	4514.92	4658.05	4875.27	5017.80	5239.30
55	5461.23	5331.43	4893.79	4642.98	4442.79	4433.16	4574.12	4798.30	4916.38	5168.27
56	5267.47	5138.42	4747.62	4522.61	4352.17	4349.29	4485.78	4709.94	4807.16	5085.69
57	5069.35	4929.17	4593.77	4399.17	4260.08	4264.64	4392.28	4604.40	4695.26	4989.55
58	4867.12	4700.48	4436.73	4269.29	4164.83	4175.37	4288.66	4486.72	4583.84	4879.59
59	4655.75	4471.72	4272.84	4135.59	4068.87	4083.05	4180.46	4358.70	4485.09	4759.49
60	4441.64	4243.44	4106.07	4001.83	3970.68	3985.39	4060.65	4227.32	4401.25	4639.84
61	4203.85	4012.92	3929.40	3862.10	3867.17	3885.24	3928.07	4093.60	4330.09	4523.59
62	3929.21	3783.31	3747.69	3718.20	3759.30	3784.34	3784.88	3959.25	4268.89	4415.12
63	3629.48	3546.17	3562.87	3573.20	3649.21	3679.85	3629.11	3828.69	4212.44	4308.49
64	3298.89	3292.10	3372.60	3426.10	3537.09	3569.38	3463.05	3693.43	4145.02	4198.01
65	2963.59	3012.87	3188.19	3278.75	3414.86	3451.72	3281.91	3555.60	4051.83	4084.05
66	2650.30	2723.74	3004.10	3122.72	3266.90	3326.96	3109.32	3399.84	3922.25	3945.45
67	2360.87	2438.56	2826.18	2963.16	3101.40	3191.27	2938.79	3232.51	3751.80	3775.61
68	2111.45	2170.98	2631.39	2792.23	2909.88	3029.45	2788.26	3055.17	3546.87	3575.33
69	1880.98	1906.89	2394.32	2603.72	2688.49	2849.49	2662.46	2877.49	3307.02	3356.43
70	1653.02	1644.45	2097.42	2385.93	2438.80	2648.64	2559.99	2702.46	3044.21	3131.51
71	1399.96	1377.58	1738.88	2114.52	2147.34	2419.07	2475.08	2532.80	2755.05	2907.64
72	1154.69	1105.76	1374.27	1798.29	1828.31	2168.08	2370.68	2348.16	2434.92	2682.69
73	915.69	887.61	1054.43	1451.42	1550.25	1881.94	2203.84	2135.60	2092.30	2419.91
74	699.93	700.64	805.92	1098.65	1272.18	1567.06	1937.52	1872.58	1753.46	2097.46
75	584.32	584.61	602.53	831.25	995.88	1252.19	1554.68	1531.86	1413.37	1716.06
76	472.24	471.05	469.32	642.05	831.36	940.51	1171.84	1191.13	1074.90	1334.65
77	360.16	357.49	337.91	523.70	682.42	734.66	789.98	850.59	821.95	954.11
78	264.86	276.81	256.21	405.40	519.26	580.74	483.90	589.16	654.82	685.05
79	180.83	202.32	201.70	287.09	360.74	465.61	332.78	443.70	522.27	509.57
80	144.58	149.30	162.39	217.30	276.09	361.80	264.10	346.72	375.24	379.73
81	118.27	121.54	136.50	167.25	191.43	277.80	216.79	262.23	250.01	257.04
82	95.02	98.71	113.51	129.97	108.49	231.66	183.07	206.64	198.91	207.29
83	79.71	75.73	89.87	100.41	84.77	192.24	159.84	167.89	147.81	157.54
84	61.70	56.94	67.16	74.52	65.03	154.75	136.61	129.15	97.19	108.12
85	40.95	38.25	49.17	55.93	47.77	117.26	113.32	90.41	64.76	76.99
86	20.20	19.55	31.20	37.35	34.14	79.91	78.92	60.76	32.33	51.51
87	8.68	8.57	13.23	18.78	23.09	53.82	52.99	31.10	0.67	26.03
88	6.27	6.24	9.33	7.46	12.04	27.73	27.05	1.51	0.38	1.28
89	4.01	4.03	5.64	4.58	1.11	1.84	1.31	0.55	0.41	0.46
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 : MPLSEL25HTT5-24000LM3K.IES

CANDELA TABULATION - (Cont.)

166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. 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	7259.33	7259.33	7259.33	7259.33	7259.33	7259.33	7259.33
1	7243.35	7259.76	7276.63	7289.80	7299.09	7301.26	7298.17
2	7227.17	7259.52	7293.83	7321.24	7340.49	7345.96	7337.75
3	7209.51	7258.24	7310.83	7353.84	7383.02	7391.29	7378.29
4	7192.67	7256.21	7328.00	7387.09	7426.09	7437.16	7420.28
5	7173.35	7252.54	7342.95	7417.79	7467.86	7483.27	7461.76
6	7153.75	7247.89	7358.24	7447.32	7507.69	7528.90	7504.39
7	7132.11	7242.31	7370.77	7474.49	7545.58	7574.11	7545.76
8	7111.69	7236.21	7381.82	7497.98	7580.52	7616.32	7585.78
9	7090.65	7229.10	7391.06	7518.24	7611.49	7654.34	7622.37
10	7069.40	7220.51	7397.30	7533.67	7637.81	7688.16	7655.95
11	7047.70	7210.77	7401.42	7546.23	7659.86	7718.37	7687.99
12	7025.84	7200.50	7403.39	7555.47	7678.19	7745.43	7716.93
13	7002.49	7190.76	7402.34	7562.95	7693.73	7769.34	7741.43
14	6979.45	7179.29	7398.33	7565.49	7704.93	7787.79	7762.46
15	6956.72	7165.74	7390.93	7565.13	7713.78	7802.33	7779.54
16	6932.65	7151.17	7380.90	7560.23	7718.74	7813.75	7793.50
17	6907.36	7134.42	7368.31	7552.14	7720.06	7822.57	7803.85
18	6883.09	7116.27	7352.96	7540.88	7717.75	7828.46	7811.71
19	6856.92	7096.26	7335.36	7528.27	7712.37	7830.49	7816.36
20	6832.24	7075.72	7314.97	7512.69	7703.74	7829.44	7816.17
21	6806.48	7053.59	7292.52	7493.85	7694.02	7825.34	7813.15
22	6779.87	7030.46	7267.70	7473.01	7679.89	7818.83	7803.85
23	6754.29	7005.77	7240.26	7449.25	7659.27	7806.66	7788.85
24	6724.70	6979.56	7211.08	7423.21	7633.55	7788.60	7769.61
25	6692.67	6951.61	7179.57	7394.25	7605.28	7763.99	7743.41
26	6655.65	6919.58	7146.14	7360.34	7572.07	7735.67	7711.51
27	6619.34	6885.83	7111.45	7322.29	7536.50	7702.47	7674.86
28	6579.53	6850.08	7074.94	7280.88	7499.66	7665.93	7635.94
29	6539.37	6813.18	7036.96	7236.81	7461.62	7626.61	7595.73
30	6499.11	6773.99	6996.85	7190.45	7423.48	7586.19	7555.38
31	6458.68	6733.44	6955.85	7143.41	7384.16	7544.31	7513.88
32	6419.92	6691.60	6912.60	7093.51	7340.60	7500.38	7470.22
33	6380.20	6647.66	6865.86	7041.56	7295.18	7454.19	7423.18
34	6338.97	6605.87	6814.87	6986.27	7247.83	7404.04	7373.22
35	6297.03	6561.07	6761.25	6931.95	7198.56	7353.21	7320.07
36	6254.11	6513.93	6703.35	6873.58	7147.17	7299.29	7264.96

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	6212.40	6461.85	6645.21	6815.62	7094.04	7243.44	7208.14
38	6170.84	6406.74	6585.96	6756.34	7039.87	7184.50	7148.06
39	6130.75	6352.92	6523.88	6693.56	6981.74	7123.11	7083.84
40	6088.57	6298.44	6462.35	6631.80	6922.96	7058.86	7018.28
41	6042.91	6244.83	6397.16	6567.05	6860.99	6991.81	6949.93
42	5992.51	6187.16	6332.09	6502.59	6795.02	6921.72	6878.54
43	5941.19	6130.04	6264.07	6432.59	6726.52	6848.40	6804.98
44	5891.27	6071.38	6194.91	6359.99	6652.83	6769.93	6728.63
45	5841.05	6010.38	6126.85	6287.12	6577.47	6689.47	6652.08
46	5791.41	5947.90	6054.14	6208.46	6496.28	6602.75	6569.56
47	5739.67	5883.12	5983.11	6130.24	6413.06	6513.98	6487.09
48	5687.57	5816.79	5907.41	6046.97	6322.27	6421.31	6400.43
49	5634.06	5748.98	5831.64	5959.07	6226.27	6322.69	6309.16
50	5580.05	5678.09	5753.08	5871.66	6126.90	6221.52	6209.99
51	5524.25	5606.49	5670.70	5776.80	6020.59	6112.62	6096.37
52	5466.17	5531.75	5586.28	5679.75	5909.56	5997.47	5964.50
53	5406.51	5455.15	5498.67	5575.41	5790.19	5868.50	5816.27
54	5343.62	5374.32	5410.74	5468.85	5665.52	5725.26	5648.08
55	5277.10	5290.64	5318.41	5361.17	5532.60	5562.31	5461.23
56	5205.80	5205.55	5222.46	5249.75	5395.17	5378.45	5267.47
57	5130.07	5118.68	5124.28	5138.29	5250.23	5181.49	5069.35
58	5046.76	5029.10	5024.86	5020.15	5095.48	4969.05	4867.12
59	4958.25	4938.68	4921.06	4898.70	4932.86	4751.09	4655.75
60	4860.93	4842.86	4811.79	4772.04	4765.90	4536.35	4441.64
61	4749.01	4740.65	4702.15	4636.29	4590.87	4322.36	4203.85
62	4619.14	4633.79	4589.04	4490.40	4405.81	4111.39	3929.21
63	4466.88	4518.66	4482.96	4338.71	4215.57	3897.40	3629.48
64	4291.55	4394.90	4372.64	4180.47	4015.56	3671.20	3298.89
65	4096.89	4263.31	4260.81	4022.95	3811.15	3425.63	2963.59
66	3888.95	4131.78	4147.35	3864.82	3613.54	3161.51	2650.30
67	3680.38	3991.54	4017.37	3699.33	3430.26	2897.73	2360.87
68	3477.98	3834.98	3873.83	3524.80	3263.38	2638.96	2111.45
69	3296.98	3658.82	3714.94	3342.55	3099.08	2375.78	1880.98
70	3138.35	3466.45	3535.53	3159.98	2910.36	2106.82	1653.02
71	2999.35	3268.07	3327.98	2967.88	2670.87	1810.19	1399.96
72	2864.34	3055.59	3091.27	2761.75	2365.75	1509.86	1154.69
73	2714.43	2828.62	2817.93	2528.73	1993.76	1212.30	915.69
74	2507.81	2572.21	2460.57	2242.76	1571.52	963.04	699.93
75	2194.13	2268.59	2041.86	1868.85	1156.27	730.47	584.32
76	1760.65	1895.09	1620.59	1430.08	806.31	601.71	472.24
77	1327.18	1446.24	1313.15	1039.65	641.60	475.38	360.16
78	894.86	1000.94	1084.00	766.15	478.03	349.05	264.86
79	535.62	740.09	850.76	604.66	314.46	263.98	180.83
80	344.81	528.40	563.59	445.95	246.66	185.73	144.58
81	251.35	356.35	358.56	287.23	186.73	142.12	118.27
82	202.44	246.24	154.89	198.66	139.72	113.23	95.02
83	153.54	198.94	122.95	140.81	109.74	88.35	79.71
84	105.31	151.63	89.57	104.84	88.30	66.10	61.70
85	85.47	104.42	66.24	71.87	66.35	47.83	40.95
86	64.28	77.41	50.50	52.65	46.62	29.56	20.20
87	43.35	49.61	34.77	33.50	26.89	11.29	8.68
88	22.42	33.09	19.03	14.34	7.17	7.94	6.27
89	1.70	16.57	6.04	9.81	4.12	4.81	4.01
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 : MPLSEL25HTT5-24000LM3K.IES

CANDELA TABULATION - (Cont.)

93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT5-24000LM3K.IES

CANDELA TABULATION - (Cont.)

149	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT5-24000LM3K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2722.49	N.A.	11.30
0-30	5917.94	N.A.	24.50
0-40	9981.24	N.A.	41.30
0-60	19046.26	N.A.	78.80
0-80	24063.38	N.A.	99.60
0-90	24164.88	N.A.	100.00
10-90	23472.76	N.A.	97.10
20-40	7258.75	N.A.	30.00
20-50	11818.87	N.A.	48.90
40-70	12629.69	N.A.	52.30
60-80	5017.13	N.A.	20.80
70-80	1452.46	N.A.	6.00
80-90	101.49	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	24164.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	692.11
10-20	2030.38
20-30	3195.45
30-40	4063.3
40-50	4560.13
50-60	4504.89
60-70	3564.67
70-80	1452.46
80-90	101.49
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 : MPLSEL25HTT5-24000LM3K.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	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
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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

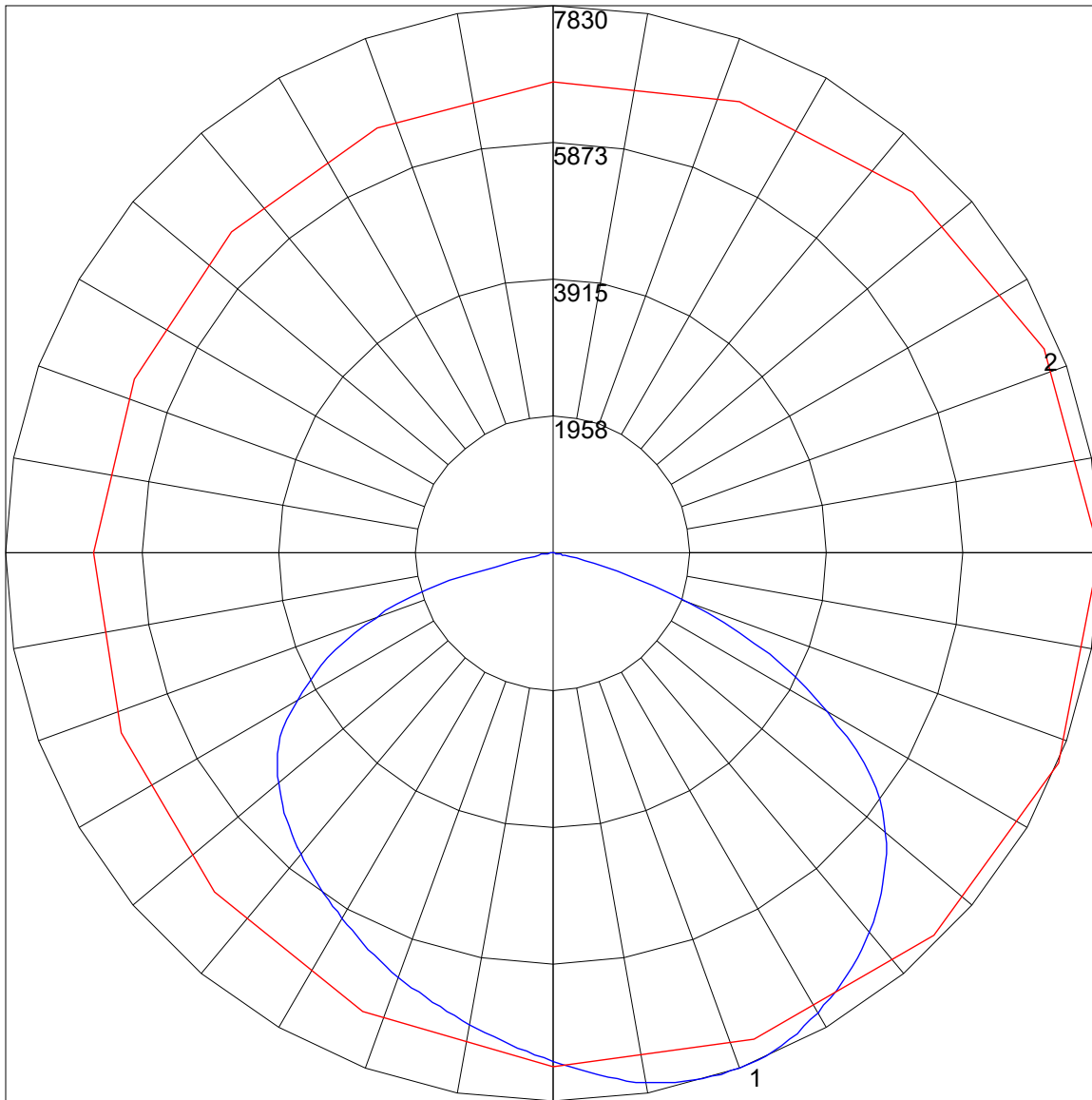
Room Size UGR Viewed Crosswise

UGR Viewed Endwise

X=2H	Y=2H	31.6	33.3	32.0	33.6	33.9	30.6	32.3	31.0	32.6	32.9
	3H	32.5	34.1	32.9	34.4	34.8	32.6	34.1	32.9	34.4	34.8
	4H	32.6	34.0	33.0	34.4	34.8	32.9	34.3	33.3	34.6	35.0
	6H	32.6	33.9	33.0	34.3	34.7	32.9	34.2	33.3	34.6	35.0
	8H	32.6	33.8	33.0	34.2	34.6	32.9	34.1	33.3	34.5	34.9
	12H	32.5	33.7	33.0	34.1	34.6	32.9	34.1	33.3	34.5	34.9
4H	2H	32.2	33.6	32.6	34.0	34.3	31.3	32.7	31.7	33.1	33.4
	3H	33.3	34.5	33.7	34.9	35.3	33.4	34.6	33.8	35.0	35.4
	4H	33.4	34.5	33.8	34.9	35.3	33.7	34.8	34.2	35.2	35.6
	6H	33.4	34.3	33.9	34.8	35.2	33.8	34.7	34.3	35.2	35.6
	8H	33.4	34.2	33.8	34.7	35.1	33.8	34.6	34.2	35.1	35.6
	12H	33.3	34.1	33.8	34.6	35.1	33.8	34.5	34.2	35.0	35.5
8H	4H	33.5	34.4	34.0	34.8	35.3	33.8	34.7	34.3	35.2	35.6
	6H	33.5	34.2	34.0	34.7	35.2	33.9	34.6	34.4	35.1	35.6
	8H	33.5	34.1	34.0	34.6	35.1	33.9	34.5	34.4	35.0	35.5
	12H	33.5	34.0	34.0	34.5	35.1	33.9	34.4	34.4	34.9	35.5
12H	4H	33.5	34.3	34.0	34.8	35.2	33.8	34.6	34.3	35.1	35.5
	6H	33.5	34.1	34.0	34.6	35.1	33.9	34.5	34.4	35.0	35.5
	8H	33.5	34.0	34.0	34.5	35.1	33.9	34.4	34.4	34.9	35.5

Maximum UGR = 35.6

POLAR GRAPH



Maximum Candela = 7830.49 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.)