

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT3-14000LM3K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-49930E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-01
[ISSUEDATE] 2022-12-01 23:21:49
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT3-14000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14649
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	101.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.52
Spacing Criterion (Diagonal)	1.50
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	85882	116582	140008
55	66183	124476	173739
65	32109	156240	244488
75	15107	60505	286840
85	11406	9773	100945

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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	4260.03	4260.03	4260.03	4260.03	4260.03	4260.03	4260.03	4260.03	4260.03	4260.03
1	4272.70	4269.27	4268.96	4267.98	4260.45	4255.37	4251.37	4245.84	4244.78	4243.57
2	4282.07	4278.60	4277.00	4270.74	4261.96	4249.91	4239.08	4228.80	4226.69	4226.92
3	4287.84	4285.47	4285.56	4273.59	4261.82	4245.05	4225.43	4209.37	4204.88	4206.34
4	4294.63	4291.17	4289.40	4279.68	4264.33	4239.96	4212.25	4189.18	4178.57	4183.20
5	4295.21	4296.03	4294.41	4284.13	4263.26	4232.65	4194.26	4166.64	4152.81	4158.75
6	4299.63	4296.95	4298.59	4287.86	4263.91	4226.23	4179.84	4140.79	4124.76	4132.28
7	4299.12	4299.27	4299.44	4291.44	4264.10	4218.75	4161.86	4112.95	4095.06	4104.47
8	4299.33	4300.19	4302.70	4293.26	4262.21	4211.58	4142.41	4083.63	4061.30	4076.13
9	4295.51	4299.56	4302.71	4296.02	4264.55	4202.58	4123.31	4055.64	4025.69	4046.19
10	4288.95	4296.61	4303.55	4295.87	4262.96	4195.37	4100.76	4023.20	3990.59	4012.58
11	4283.92	4290.25	4303.15	4299.22	4260.45	4185.18	4081.99	3991.52	3952.84	3980.26
12	4269.35	4281.87	4301.66	4298.68	4262.84	4174.40	4057.83	3957.02	3911.80	3947.74
13	4255.79	4271.67	4300.13	4299.73	4263.45	4165.00	4035.56	3922.76	3872.80	3911.04
14	4234.57	4258.84	4296.04	4302.54	4262.61	4156.96	4011.80	3887.10	3830.55	3875.19
15	4213.91	4245.41	4292.00	4302.14	4262.40	4147.35	3986.66	3849.88	3784.63	3837.59
16	4187.99	4225.24	4284.43	4303.83	4262.57	4140.10	3961.49	3809.45	3739.24	3799.09
17	4161.40	4203.16	4275.15	4304.28	4260.87	4130.97	3935.20	3770.40	3692.77	3759.53
18	4129.04	4181.79	4265.99	4303.64	4258.91	4121.18	3910.86	3729.39	3647.76	3718.35
19	4096.41	4156.34	4253.34	4300.91	4257.33	4111.05	3887.04	3688.17	3596.45	3678.35
20	4059.77	4128.72	4238.15	4299.77	4254.38	4101.31	3862.71	3643.95	3550.49	3638.36
21	4023.24	4098.35	4224.81	4297.19	4252.41	4091.47	3838.79	3600.78	3499.97	3596.12
22	3982.44	4065.79	4206.95	4294.21	4250.93	4082.93	3813.63	3555.25	3449.48	3551.26
23	3939.25	4029.01	4187.00	4289.94	4250.56	4073.71	3788.81	3510.90	3399.17	3510.56
24	3892.27	3991.42	4167.31	4283.51	4245.08	4064.99	3764.60	3465.60	3348.00	3464.97
25	3843.54	3951.05	4144.41	4277.97	4242.87	4054.74	3737.36	3419.65	3294.38	3420.02
26	3792.87	3907.10	4124.87	4270.19	4239.47	4044.53	3711.14	3372.84	3242.58	3372.18
27	3737.59	3863.51	4100.90	4262.83	4237.08	4036.07	3687.57	3324.90	3189.52	3322.53
28	3683.17	3813.07	4075.88	4254.44	4235.48	4026.98	3661.13	3276.41	3135.01	3272.82
29	3625.00	3763.31	4048.16	4249.09	4231.82	4017.16	3638.08	3225.90	3079.11	3224.02
30	3566.33	3714.12	4021.32	4239.35	4225.35	4006.51	3613.37	3179.62	3023.43	3177.34
31	3505.05	3659.41	3991.01	4230.92	4221.18	3994.70	3589.44	3128.74	2967.46	3125.84
32	3441.96	3605.71	3964.09	4220.32	4216.94	3983.87	3564.26	3077.64	2910.09	3074.57
33	3376.98	3548.51	3932.03	4210.38	4211.63	3972.62	3538.04	3024.53	2851.48	3020.84
34	3310.27	3491.21	3900.58	4199.42	4205.73	3960.20	3512.35	2970.12	2788.55	2966.26
35	3243.61	3434.50	3868.37	4187.83	4199.78	3948.94	3487.42	2913.08	2727.12	2907.73
36	3177.81	3376.01	3832.64	4175.03	4193.80	3937.15	3460.27	2855.08	2659.71	2849.56
37	3111.51	3317.59	3797.41	4160.88	4189.00	3922.95	3433.89	2795.48	2590.09	2789.28
38	3044.68	3258.69	3760.00	4145.67	4184.10	3907.16	3407.65	2735.13	2518.63	2727.92
39	2975.88	3194.72	3717.56	4130.16	4183.01	3890.79	3378.36	2672.54	2447.72	2664.10
40	2907.83	3133.27	3679.12	4116.03	4181.52	3877.03	3349.21	2607.27	2372.84	2600.47
41	2839.51	3068.80	3636.92	4099.32	4181.91	3863.81	3320.36	2537.40	2294.72	2534.48
42	2768.74	3005.08	3595.56	4084.39	4178.33	3848.45	3291.29	2463.82	2213.79	2464.03
43	2695.40	2939.98	3552.22	4069.74	4171.10	3834.06	3260.42	2385.28	2132.29	2388.94
44	2624.64	2875.35	3508.32	4054.19	4164.38	3820.40	3231.60	2302.56	2053.36	2310.01
45	2551.66	2812.18	3463.77	4039.35	4159.79	3812.48	3199.29	2216.24	1976.04	2226.73
46	2479.86	2749.15	3416.52	4026.24	4156.41	3796.07	3167.37	2132.80	1901.97	2137.00
47	2407.01	2685.04	3369.54	4007.20	4155.09	3777.31	3133.91	2045.42	1830.00	2048.32
48	2333.25	2618.20	3319.67	3984.24	4153.84	3756.15	3099.86	1955.65	1756.57	1954.63
49	2256.73	2545.25	3270.73	3957.78	4156.06	3736.67	3067.99	1864.68	1678.19	1861.93
50	2173.71	2470.04	3223.58	3933.56	4159.33	3718.69	3031.83	1775.83	1596.10	1771.78
51	2079.56	2388.61	3176.48	3906.29	4162.34	3700.85	2995.78	1684.25	1511.01	1684.74
52	1969.45	2300.49	3128.06	3880.56	4166.58	3685.22	2959.42	1594.19	1428.88	1596.54
53	1847.26	2196.42	3083.13	3853.28	4174.29	3672.43	2916.21	1503.58	1367.20	1511.24

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54	1721.61	2071.65	3039.50	3820.29	4178.64	3659.63	2868.16	1416.03	1305.51	1429.80
55	1595.04	1931.97	2999.93	3789.61	4187.19	3648.74	2816.51	1347.12	1243.89	1360.33
56	1480.15	1778.91	2964.97	3754.40	4197.17	3637.89	2756.82	1278.22	1184.16	1290.87
57	1376.63	1619.75	2935.38	3718.41	4208.15	3628.73	2686.44	1209.37	1118.20	1221.35
58	1272.46	1463.44	2916.73	3682.47	4221.42	3620.22	2605.72	1143.37	1044.01	1148.84
59	1162.33	1314.23	2907.24	3646.79	4239.47	3619.23	2507.72	1072.92	967.06	1072.28
60	1046.53	1173.39	2901.18	3611.14	4258.20	3623.07	2393.30	993.90	893.79	988.38
61	928.56	1039.45	2895.12	3581.66	4275.24	3631.52	2257.48	910.54	821.79	905.72
62	820.94	914.86	2887.42	3553.07	4291.87	3645.58	2111.73	827.74	750.65	826.50
63	722.44	805.25	2875.06	3524.91	4310.41	3661.49	1953.12	752.43	682.26	753.15
64	635.68	707.90	2847.60	3501.17	4327.11	3683.77	1789.36	681.54	619.82	680.80
65	570.17	625.51	2774.43	3485.47	4341.49	3715.98	1618.28	615.55	562.08	613.79
66	504.80	556.37	2625.44	3477.50	4349.75	3752.82	1432.07	553.55	508.40	553.21
67	450.06	487.35	2363.27	3480.79	4345.96	3795.04	1245.87	495.96	456.01	499.12
68	397.40	429.75	2034.72	3487.62	4328.74	3825.63	1060.04	445.48	405.07	453.08
69	344.68	376.97	1699.83	3489.66	4292.95	3847.97	901.93	394.29	360.90	405.50
70	301.38	333.40	1435.38	3496.97	4231.12	3853.51	777.83	344.42	325.23	356.88
71	268.35	294.47	1237.13	3505.55	4125.64	3839.90	674.61	303.37	293.02	315.76
72	237.93	262.46	1068.96	3504.64	3961.13	3803.35	577.22	271.08	263.01	283.97
73	208.15	234.60	923.65	3498.42	3735.02	3737.98	483.00	238.58	236.86	253.61
74	184.68	207.01	788.77	3493.70	3448.16	3635.19	391.64	209.69	216.16	223.81
75	164.29	182.07	657.99	3525.97	3119.39	3471.87	293.40	186.35	198.14	198.02
76	147.72	160.73	526.07	3555.64	2747.02	3307.85	205.65	166.11	181.19	174.86
77	134.75	142.12	394.12	3517.05	2363.78	3105.61	171.80	147.96	161.93	155.85
78	122.08	125.27	262.17	3330.57	1956.96	2747.06	137.95	129.82	142.67	136.85
79	108.31	109.44	176.10	2923.42	1606.60	2269.66	104.20	112.62	123.42	117.85
80	97.52	94.21	123.57	2348.57	1256.24	1821.04	86.81	96.31	105.71	100.66
81	86.05	80.08	93.45	1776.92	907.85	1372.43	72.03	82.17	89.76	86.63
82	74.85	67.32	74.78	1336.87	697.42	928.24	59.05	69.43	74.32	73.24
83	63.75	56.50	61.70	1016.48	558.10	655.10	46.75	57.01	58.08	60.60
84	52.76	45.72	48.75	763.56	465.61	458.84	35.67	38.49	38.63	44.13
85	41.77	34.95	35.79	593.73	369.67	311.42	25.10	19.98	19.18	29.56
86	31.36	25.85	25.36	426.35	265.41	249.07	14.53	2.11	0.24	15.00
87	20.51	16.91	16.01	258.98	161.14	186.71	4.06	0.81	0.14	0.65
88	10.89	8.84	8.25	137.36	57.87	124.35	1.21	0.37	0.14	0.24
89	7.29	5.96	5.81	69.36	29.14	61.99	0.51	0.34	0.15	0.17
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT3-14000LM3K.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	4260.03	4260.03	4260.03	4260.03	4260.03	4260.03	4260.03
1	4247.57	4252.20	4258.94	4263.15	4267.14	4269.35	4272.70
2	4235.52	4244.14	4256.19	4266.76	4273.91	4277.08	4282.07
3	4220.72	4237.70	4254.62	4270.48	4279.01	4283.27	4287.84
4	4204.97	4229.03	4254.61	4274.50	4285.12	4288.56	4294.63
5	4185.51	4222.40	4253.97	4276.12	4288.50	4292.12	4295.21
6	4166.79	4212.79	4252.66	4277.87	4290.93	4295.10	4299.63
7	4149.43	4206.76	4254.35	4281.66	4291.35	4293.71	4299.12
8	4128.26	4196.20	4254.82	4281.55	4291.36	4293.03	4299.33
9	4109.17	4188.49	4256.09	4284.51	4292.63	4294.09	4295.51
10	4088.68	4180.92	4255.49	4284.58	4291.40	4289.14	4288.95
11	4067.32	4173.15	4254.01	4285.63	4289.47	4281.18	4283.92
12	4047.41	4165.32	4254.17	4283.97	4287.73	4273.80	4269.35
13	4025.64	4157.37	4253.54	4283.93	4283.01	4263.02	4255.79
14	4001.04	4146.37	4249.67	4282.21	4277.37	4247.86	4234.57
15	3978.32	4137.19	4247.61	4280.30	4271.00	4232.84	4213.91
16	3957.24	4129.31	4245.54	4276.21	4262.08	4214.61	4187.99
17	3932.48	4119.98	4243.47	4273.38	4252.36	4191.98	4161.40
18	3907.81	4108.03	4241.40	4270.75	4238.89	4169.21	4129.04
19	3880.86	4099.26	4239.34	4269.26	4222.87	4143.25	4096.41
20	3857.15	4090.78	4235.01	4265.20	4208.01	4113.01	4059.77
21	3832.01	4079.44	4231.94	4259.79	4191.52	4084.96	4023.24
22	3806.76	4069.17	4226.42	4254.43	4172.73	4053.26	3982.44
23	3780.25	4058.15	4222.08	4247.82	4152.82	4017.10	3939.25
24	3752.06	4046.89	4216.90	4239.00	4132.67	3979.83	3892.27
25	3726.56	4032.98	4211.63	4231.89	4108.69	3940.84	3843.54
26	3702.09	4020.86	4206.43	4225.18	4086.13	3898.15	3792.87
27	3674.55	4006.34	4200.98	4216.96	4063.05	3850.71	3737.59
28	3645.65	3991.36	4195.39	4206.40	4036.28	3802.69	3683.17
29	3616.21	3977.74	4190.90	4196.55	4008.35	3750.44	3625.00
30	3585.76	3962.79	4186.11	4185.88	3981.73	3701.73	3566.33
31	3555.35	3947.90	4180.92	4176.13	3952.28	3649.43	3505.05
32	3524.24	3934.62	4174.66	4167.64	3920.64	3595.16	3441.96
33	3491.11	3921.08	4169.43	4155.33	3887.24	3539.71	3376.98
34	3459.28	3906.73	4164.07	4145.23	3855.91	3483.08	3310.27
35	3427.58	3890.80	4157.61	4134.24	3822.44	3427.20	3243.61
36	3395.73	3875.81	4152.82	4119.60	3786.18	3370.38	3177.81

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CANDELA TABULATION - (Cont.)

37	3366.10	3862.02	4145.41	4104.90	3749.23	3312.38	3111.51
38	3332.95	3844.38	4138.97	4092.91	3710.64	3254.73	3044.68
39	3299.81	3828.66	4134.86	4079.98	3669.91	3194.36	2975.88
40	3267.20	3814.24	4131.85	4063.19	3630.97	3134.61	2907.83
41	3236.85	3799.58	4126.47	4049.57	3588.22	3072.93	2839.51
42	3205.25	3785.54	4123.77	4036.55	3545.91	3013.30	2768.74
43	3172.15	3770.92	4118.18	4019.77	3502.26	2952.42	2695.40
44	3137.16	3756.56	4116.85	4002.68	3458.28	2888.02	2624.64
45	3104.95	3740.51	4114.31	3988.66	3415.07	2826.25	2551.66
46	3068.55	3725.71	4113.19	3970.23	3366.91	2763.46	2479.86
47	3030.70	3714.83	4114.03	3952.34	3319.72	2697.57	2407.01
48	2991.14	3699.39	4116.17	3932.56	3273.48	2629.64	2333.25
49	2953.04	3684.13	4114.70	3911.05	3227.82	2557.49	2256.73
50	2911.68	3670.75	4115.11	3889.48	3182.08	2482.88	2173.71
51	2868.74	3657.93	4117.47	3861.93	3136.19	2398.62	2079.56
52	2823.30	3643.35	4120.91	3839.95	3092.28	2307.42	1969.45
53	2774.65	3629.53	4129.53	3815.96	3049.77	2204.54	1847.26
54	2720.97	3617.14	4135.50	3790.65	3007.22	2084.88	1721.61
55	2662.66	3604.99	4144.35	3764.57	2970.25	1949.57	1595.04
56	2596.56	3593.25	4153.73	3735.61	2935.54	1802.35	1480.15
57	2523.07	3580.88	4168.84	3708.49	2903.62	1648.86	1376.63
58	2436.89	3569.51	4184.89	3679.01	2880.85	1499.62	1272.46
59	2337.48	3557.64	4206.16	3650.31	2864.06	1364.70	1162.33
60	2224.31	3548.97	4228.43	3618.20	2855.11	1238.02	1046.53
61	2096.49	3543.43	4253.36	3587.64	2853.37	1111.95	928.56
62	1955.15	3541.81	4283.82	3560.05	2849.96	985.04	820.94
63	1805.72	3546.32	4317.87	3537.01	2845.24	865.39	722.44
64	1642.54	3556.60	4353.55	3517.23	2832.64	758.21	635.68
65	1460.15	3576.95	4392.03	3502.53	2803.46	661.93	570.17
66	1277.76	3610.78	4429.05	3493.87	2730.74	591.40	504.80
67	1095.30	3657.64	4460.96	3493.54	2570.71	521.09	450.06
68	910.73	3711.31	4490.61	3501.97	2311.27	450.79	397.40
69	762.18	3775.73	4511.04	3513.15	1966.21	397.17	344.68
70	652.25	3846.82	4516.45	3528.19	1617.37	351.57	301.38
71	566.39	3923.89	4495.70	3549.64	1328.54	312.87	268.35
72	496.21	3999.33	4433.95	3570.05	1109.62	277.25	237.93
73	432.90	4048.80	4320.25	3584.82	944.66	248.61	208.15
74	364.89	4050.16	4134.15	3577.61	798.79	221.27	184.68
75	287.84	3993.08	3879.73	3543.11	669.33	193.35	164.29
76	223.39	3869.58	3565.16	3519.73	542.31	170.41	147.72
77	187.17	3692.36	3205.72	3508.58	415.33	149.52	134.75
78	150.95	3467.08	2802.14	3467.40	288.35	130.32	122.08
79	114.82	3071.16	2361.56	3383.25	188.91	113.72	108.31
80	94.89	2504.21	1892.17	3147.03	133.21	98.39	97.52
81	78.97	1923.16	1414.48	2686.19	104.38	83.92	86.05
82	65.22	1529.06	1029.43	2148.99	85.36	70.55	74.85
83	52.80	1134.95	731.27	1694.44	70.51	59.39	63.75
84	41.27	741.07	595.86	1326.01	57.78	48.27	52.76
85	31.02	514.27	462.50	1009.62	45.08	37.15	41.77
86	21.39	347.49	329.15	733.36	32.38	28.06	31.36
87	11.75	241.60	222.19	540.52	22.00	19.17	20.51
88	2.22	135.71	99.64	350.11	12.84	11.10	10.89
89	0.63	32.27	50.48	159.70	5.47	7.47	7.29
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
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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
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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
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1570.18	N.A.	10.70
0-30	3376.79	N.A.	23.10
0-40	5638.61	N.A.	38.50
0-60	10591.32	N.A.	72.30
0-80	14331.05	N.A.	97.80
0-90	14648.66	N.A.	100.00
10-90	14245.21	N.A.	97.20
20-40	4068.43	N.A.	27.80
20-50	6561.11	N.A.	44.80
40-70	7125.39	N.A.	48.60
60-80	3739.73	N.A.	25.50
70-80	1567.05	N.A.	10.70
80-90	317.61	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	14648.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	403.46
10-20	1166.72
20-30	1806.61
30-40	2261.82
40-50	2492.67
50-60	2460.03
60-70	2172.68
70-80	1567.05
80-90	317.61
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT3-14000LM3K.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	71	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	34
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	29	42	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	26	38	31	25	37	30	25	36	30	25	23
10	51	37	29	23	49	36	28	23	35	28	23	34	28	23	33	27	23	21

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UGR TABLE - CORRECTED

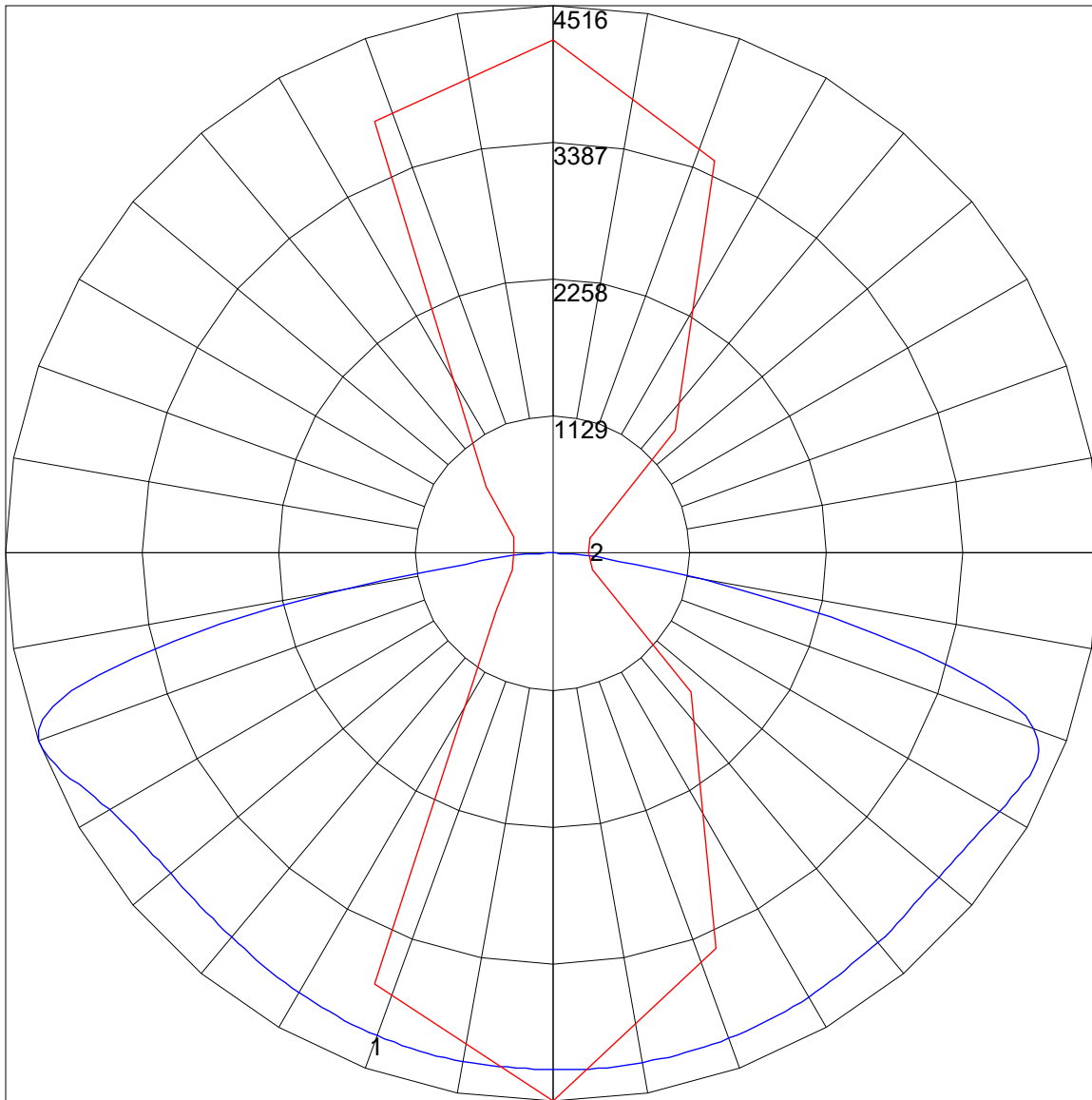
Reflectances

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	24.9	26.7	25.3	27.0	27.3	31.4	33.1	31.7	33.4	33.7
	3H	25.2	26.8	25.6	27.2	27.5	35.3	36.8	35.6	37.2	37.5
	4H	25.3	26.8	25.7	27.1	27.5	36.8	38.3	37.2	38.7	39.0
	6H	25.3	26.7	25.7	27.1	27.5	37.6	39.0	38.0	39.3	39.7
	8H	25.3	26.7	25.8	27.0	27.4	37.7	39.0	38.1	39.4	39.8
	12H	25.3	26.6	25.7	27.0	27.4	37.7	39.0	38.1	39.4	39.8
4H	2H	28.2	29.7	28.6	30.0	30.4	31.8	33.2	32.1	33.6	34.0
	3H	28.5	29.8	28.9	30.2	30.6	35.8	37.1	36.2	37.5	37.9
	4H	28.5	29.7	28.9	30.1	30.5	37.9	39.0	38.3	39.4	39.9
	6H	28.5	29.5	29.0	30.0	30.4	39.0	40.0	39.4	40.4	40.9
	8H	28.5	29.5	29.0	29.9	30.4	39.1	40.1	39.6	40.5	41.0
	12H	28.5	29.4	29.0	29.8	30.3	39.2	40.0	39.6	40.5	41.0
8H	4H	30.1	31.1	30.6	31.5	32.0	37.9	38.8	38.3	39.3	39.7
	6H	30.1	30.9	30.6	31.4	31.9	39.2	40.0	39.7	40.5	40.9
	8H	30.1	30.8	30.6	31.3	31.8	39.4	40.1	39.9	40.6	41.1
	12H	30.1	30.7	30.6	31.2	31.8	39.5	40.1	40.0	40.6	41.2
12H	4H	31.0	31.9	31.5	32.3	32.8	37.9	38.7	38.3	39.2	39.7
	6H	31.0	31.7	31.5	32.2	32.7	39.2	39.9	39.7	40.3	40.9
	8H	31.0	31.6	31.5	32.1	32.7	39.4	40.0	39.9	40.5	41.1

Maximum UGR = 41.2

POLAR GRAPH



Maximum Candela = 4516.45 Located At Horizontal Angle = 270, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)