

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT3HV-14000LM4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-49932E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-01
[ISSUEDATE] 2022-12-01 19:41:16
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT3HV-14000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14335
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	99.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.60
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.28 m
Luminous Width (90-270)	0.15 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	81584	114356	144169
55	61784	124318	178910
65	30473	126501	246023
75	14407	19742	309311
85	8730	8517	123063

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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	4082.12	4082.12	4082.12	4082.12	4082.12	4082.12	4082.12	4082.12	4082.12	4082.12
1	4091.97	4092.42	4091.77	4089.40	4085.60	4081.24	4075.99	4071.62	4069.17	4069.58
2	4097.71	4099.64	4099.21	4095.74	4089.10	4080.37	4069.20	4058.68	4053.17	4054.50
3	4103.03	4105.62	4105.40	4103.20	4092.91	4079.74	4060.95	4043.61	4033.90	4036.30
4	4106.06	4109.90	4111.78	4109.17	4097.09	4078.38	4051.61	4025.12	4011.29	4014.66
5	4107.42	4112.57	4116.62	4114.01	4100.95	4075.82	4040.02	4005.31	3986.58	3991.41
6	4107.88	4114.77	4120.16	4118.84	4104.50	4074.30	4027.69	3983.93	3959.88	3966.27
7	4106.84	4116.26	4123.45	4123.65	4109.41	4073.19	4014.62	3960.79	3930.55	3938.88
8	4104.04	4116.09	4126.65	4129.62	4113.96	4070.60	4000.08	3935.43	3900.81	3910.69
9	4099.46	4114.15	4129.29	4134.68	4118.69	4068.24	3984.84	3909.95	3870.05	3882.52
10	4093.20	4109.85	4131.01	4141.15	4124.05	4065.45	3968.55	3882.43	3837.13	3852.54
11	4082.43	4103.17	4131.88	4147.84	4130.58	4063.28	3951.81	3854.59	3803.82	3822.39
12	4069.92	4093.52	4132.52	4155.15	4137.80	4061.10	3934.79	3825.35	3768.13	3791.09
13	4053.23	4082.42	4132.10	4162.54	4146.25	4059.20	3917.02	3794.89	3730.87	3758.08
14	4033.42	4068.43	4130.41	4169.57	4152.63	4058.09	3899.23	3762.78	3692.57	3725.27
15	4010.88	4050.84	4127.13	4176.20	4159.62	4056.36	3881.84	3729.93	3652.42	3691.22
16	3985.92	4031.54	4122.63	4182.21	4168.29	4056.15	3864.50	3695.87	3612.09	3655.15
17	3958.63	4010.17	4116.44	4188.43	4175.96	4055.95	3847.21	3661.01	3571.28	3619.07
18	3929.31	3985.88	4108.22	4194.72	4184.03	4055.74	3831.26	3625.42	3530.01	3582.17
19	3896.90	3960.53	4097.97	4200.22	4192.13	4055.53	3814.00	3587.56	3486.88	3543.14
20	3863.43	3933.00	4087.12	4205.45	4200.42	4055.32	3796.99	3548.85	3441.38	3503.98
21	3827.07	3903.81	4073.71	4209.41	4208.50	4055.74	3779.55	3509.51	3396.17	3463.56
22	3788.53	3872.75	4058.81	4212.67	4215.70	4055.75	3762.01	3469.60	3350.50	3422.32
23	3746.67	3838.77	4042.62	4214.86	4222.78	4056.39	3743.79	3429.08	3302.44	3379.75
24	3701.40	3803.46	4026.86	4215.79	4229.77	4056.59	3726.28	3389.06	3255.04	3336.45
25	3652.55	3763.38	4008.95	4214.95	4236.10	4056.18	3707.30	3347.81	3206.70	3292.70
26	3602.97	3722.74	3990.14	4214.29	4243.52	4056.60	3687.79	3304.97	3156.83	3248.02
27	3550.30	3679.09	3971.22	4213.85	4249.16	4056.16	3668.62	3262.35	3108.15	3203.01
28	3494.12	3633.31	3950.54	4214.06	4254.06	4055.74	3649.64	3219.27	3057.71	3157.91
29	3437.00	3583.84	3927.89	4212.59	4259.76	4055.08	3631.46	3176.18	3007.99	3112.42
30	3378.90	3533.71	3903.93	4209.79	4265.83	4054.60	3613.50	3132.44	2958.00	3067.84
31	3320.33	3481.41	3878.28	4206.79	4270.05	4052.70	3594.25	3087.80	2906.84	3023.81
32	3262.08	3427.74	3852.12	4203.32	4273.53	4050.51	3575.02	3042.49	2855.60	2978.00
33	3200.69	3374.18	3824.67	4199.61	4276.51	4048.36	3555.94	2994.26	2801.39	2930.72
34	3139.06	3319.09	3795.66	4195.35	4278.90	4045.31	3537.11	2947.12	2746.58	2880.48
35	3079.72	3264.80	3765.62	4189.97	4280.44	4040.89	3516.19	2898.69	2687.93	2828.88
36	3020.33	3209.53	3734.92	4182.22	4282.35	4035.51	3493.69	2847.86	2626.34	2774.44
37	2960.09	3153.66	3701.61	4174.81	4283.20	4029.43	3471.85	2796.31	2562.34	2718.28
38	2897.09	3096.75	3666.90	4166.42	4283.85	4023.44	3448.90	2741.63	2495.96	2659.61
39	2831.59	3037.44	3631.33	4157.79	4283.85	4016.66	3425.93	2684.30	2430.94	2599.88
40	2766.47	2977.97	3595.05	4147.46	4284.07	4009.82	3402.26	2624.14	2365.42	2538.22
41	2699.87	2919.15	3557.85	4136.24	4285.16	4001.79	3378.30	2562.33	2300.06	2475.62
42	2632.49	2861.36	3520.21	4122.69	4286.01	3994.25	3354.74	2495.87	2227.48	2411.56
43	2561.95	2801.91	3480.74	4108.25	4286.21	3985.77	3330.14	2426.26	2152.25	2345.35
44	2493.28	2739.37	3439.57	4094.50	4285.73	3977.26	3305.08	2354.16	2077.18	2277.87
45	2423.96	2675.03	3397.65	4080.39	4283.41	3967.47	3277.44	2275.03	2001.63	2206.58
46	2354.99	2606.45	3354.52	4063.76	4282.09	3957.51	3249.66	2194.17	1928.91	2131.04
47	2285.60	2536.66	3310.60	4045.95	4280.82	3946.29	3221.53	2115.05	1858.81	2050.20
48	2212.73	2464.05	3266.60	4026.73	4281.06	3932.48	3193.07	2033.26	1789.46	1964.99
49	2133.48	2388.04	3224.03	4005.40	4282.77	3916.26	3161.51	1947.20	1719.52	1883.07
50	2045.61	2307.89	3183.34	3980.48	4284.53	3897.49	3130.05	1857.50	1648.55	1804.16
51	1940.32	2220.70	3143.94	3952.91	4287.84	3881.49	3098.97	1769.74	1574.20	1726.72
52	1831.42	2117.65	3104.15	3923.66	4291.44	3867.32	3064.90	1681.12	1499.70	1647.16
53	1712.95	1995.64	3065.20	3892.84	4296.45	3853.19	3028.57	1593.77	1429.87	1566.91

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54	1599.97	1859.82	3028.95	3861.18	4303.53	3839.81	2989.18	1504.85	1370.67	1484.08
55	1489.03	1714.67	2996.13	3827.31	4311.82	3827.46	2948.06	1421.67	1311.46	1403.59
56	1385.80	1568.96	2967.91	3792.70	4319.85	3814.85	2901.06	1351.96	1252.23	1333.54
57	1283.42	1430.94	2945.04	3755.15	4326.50	3803.56	2847.71	1282.25	1191.37	1263.50
58	1177.12	1298.06	2929.63	3715.60	4329.66	3793.20	2783.14	1212.56	1125.36	1193.47
59	1066.87	1174.43	2910.15	3671.64	4332.54	3783.00	2706.93	1145.79	1052.72	1126.13
60	956.70	1059.87	2883.25	3627.21	4335.79	3770.57	2616.29	1075.89	976.03	1053.94
61	854.06	952.06	2838.38	3580.31	4338.99	3757.26	2504.03	998.45	898.62	975.61
62	756.97	849.03	2766.35	3534.37	4346.03	3745.96	2373.61	914.21	822.61	897.02
63	670.24	752.35	2657.15	3489.68	4352.57	3740.28	2222.74	833.59	749.71	820.00
64	605.58	662.79	2488.60	3450.36	4360.34	3740.60	2058.77	756.16	680.88	746.74
65	541.13	593.00	2246.35	3420.13	4368.75	3744.01	1881.61	683.43	620.25	675.85
66	476.67	523.45	1931.36	3398.10	4376.79	3753.60	1688.69	612.46	564.33	608.25
67	423.49	453.90	1565.76	3394.39	4379.90	3772.41	1475.24	547.14	512.13	546.30
68	372.06	401.47	1219.60	3410.05	4372.54	3801.98	1261.79	490.69	459.56	488.68
69	325.62	351.30	949.46	3444.73	4345.76	3836.14	1048.68	441.20	406.62	436.36
70	291.30	305.34	746.80	3492.26	4285.79	3861.38	874.73	394.86	362.01	388.32
71	258.55	268.98	611.67	3542.57	4194.29	3861.03	750.50	353.04	327.85	346.97
72	224.32	238.84	477.78	3590.53	4068.38	3825.13	656.37	311.66	298.65	310.59
73	197.92	210.65	343.89	3633.30	3884.49	3755.35	576.22	273.29	270.26	276.34
74	175.17	185.63	266.23	3677.77	3646.18	3657.28	502.97	237.42	244.39	243.03
75	156.68	164.46	214.70	3713.73	3363.76	3534.44	418.80	205.60	224.13	211.76
76	141.67	145.62	181.55	3724.37	3050.93	3382.46	321.38	178.70	205.75	185.25
77	128.10	129.34	156.04	3638.04	2711.31	3200.74	226.99	158.84	188.71	164.86
78	113.74	113.72	133.77	3368.47	2322.17	3047.86	189.52	138.99	169.44	144.48
79	102.38	98.81	114.50	2939.40	1897.60	2847.05	152.05	119.20	149.90	124.14
80	90.26	84.40	97.37	2390.31	1543.56	2504.04	114.59	103.17	130.35	107.04
81	78.56	71.43	81.95	1831.53	1189.53	2022.03	94.62	87.67	113.93	90.53
82	65.93	60.15	67.79	1384.21	835.99	1628.19	78.36	74.02	98.86	76.55
83	54.60	48.87	55.58	1046.57	619.80	1234.36	63.59	61.50	82.54	63.70
84	43.28	37.59	43.39	777.62	509.27	842.52	50.36	50.67	65.47	52.72
85	31.97	27.81	31.19	608.29	450.67	580.98	38.65	37.09	43.60	35.97
86	20.87	18.88	21.40	439.37	377.10	381.81	27.28	25.17	21.73	19.22
87	11.23	10.74	12.74	270.45	283.65	270.01	15.90	13.25	0.33	2.84
88	7.59	7.29	5.59	144.94	173.90	158.21	4.72	1.59	0.14	1.55
89	4.01	3.88	3.31	36.25	64.34	46.63	1.32	0.38	0.14	0.21
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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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
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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	4082.12	4082.12	4082.12	4082.12	4082.12	4082.12	4082.12
1	4072.06	4075.78	4080.39	4084.25	4088.55	4090.46	4091.97
2	4060.45	4069.44	4078.86	4086.44	4092.28	4095.95	4097.71
3	4047.75	4062.22	4076.94	4087.51	4095.26	4100.00	4103.03
4	4032.02	4054.96	4075.66	4088.36	4096.57	4102.24	4106.06
5	4015.46	4048.70	4075.40	4090.29	4097.03	4102.89	4107.42
6	3998.75	4041.25	4075.19	4090.76	4098.32	4103.53	4107.88
7	3980.77	4034.43	4075.60	4092.44	4099.20	4102.68	4106.84
8	3962.51	4028.09	4076.04	4094.41	4099.63	4100.76	4104.04
9	3942.57	4020.58	4076.05	4095.52	4099.64	4097.28	4099.46
10	3923.68	4011.98	4074.97	4096.03	4099.21	4092.10	4093.20
11	3904.09	4004.16	4073.68	4096.53	4097.91	4084.99	4082.43
12	3882.94	3995.00	4073.03	4097.03	4095.13	4075.09	4069.92
13	3862.20	3986.95	4074.53	4097.54	4090.91	4063.47	4053.23
14	3839.46	3979.95	4076.22	4098.04	4085.49	4048.91	4033.42
15	3817.86	3972.53	4077.34	4098.55	4077.42	4031.22	4010.88
16	3795.57	3964.89	4078.20	4100.70	4068.44	4010.76	3985.92
17	3773.71	3957.67	4079.27	4101.99	4058.56	3988.85	3958.63
18	3752.54	3950.47	4079.29	4102.65	4047.72	3964.56	3929.31
19	3730.77	3943.21	4079.72	4102.44	4037.22	3937.65	3896.90
20	3708.67	3935.56	4080.58	4102.01	4023.80	3908.90	3863.43
21	3686.11	3928.35	4080.71	4101.58	4010.18	3878.99	3827.07
22	3663.07	3921.31	4080.84	4099.63	3994.66	3847.30	3788.53
23	3639.32	3913.37	4080.98	4096.27	3977.59	3812.75	3746.67
24	3614.76	3905.93	4081.11	4092.72	3958.46	3777.03	3701.40
25	3590.39	3898.98	4081.24	4088.49	3937.79	3738.34	3652.55
26	3565.91	3891.72	4081.23	4084.79	3916.77	3697.42	3602.97
27	3540.69	3884.09	4081.66	4079.82	3895.69	3655.80	3550.30
28	3515.72	3875.55	4081.24	4075.28	3873.20	3611.24	3494.12
29	3489.97	3867.65	4080.81	4071.20	3849.91	3564.96	3437.00
30	3463.34	3860.65	4080.16	4066.01	3825.04	3517.35	3378.90
31	3435.97	3853.66	4078.89	4060.65	3799.05	3469.45	3320.33
32	3408.88	3845.79	4075.89	4055.21	3772.13	3420.23	3262.08
33	3379.58	3837.01	4072.44	4048.93	3745.89	3369.74	3200.69
34	3351.24	3826.76	4068.38	4040.38	3717.91	3317.03	3139.06
35	3323.87	3816.64	4065.75	4032.81	3688.13	3266.10	3079.72
36	3295.49	3805.70	4060.83	4024.17	3657.38	3213.47	3020.33

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CANDELA TABULATION - (Cont.)

37	3267.81	3794.81	4058.16	4013.56	3625.88	3160.30	2960.09
38	3240.99	3783.49	4055.37	4001.72	3593.05	3105.50	2897.09
39	3213.63	3771.42	4052.14	3992.81	3558.05	3047.62	2831.59
40	3185.25	3757.77	4049.49	3982.05	3522.36	2990.46	2766.47
41	3156.95	3744.75	4048.40	3970.81	3486.05	2932.31	2699.87
42	3127.30	3731.53	4047.97	3958.77	3447.36	2875.11	2632.49
43	3098.77	3717.39	4048.18	3945.41	3406.96	2818.07	2561.95
44	3069.59	3702.66	4049.03	3931.72	3366.02	2760.31	2493.28
45	3038.94	3688.65	4049.05	3916.98	3324.65	2701.26	2423.96
46	3007.65	3676.05	4046.74	3901.40	3280.94	2638.39	2354.99
47	2973.60	3662.47	4042.66	3886.33	3237.37	2572.98	2285.60
48	2938.91	3649.14	4038.99	3872.12	3192.66	2503.86	2212.73
49	2903.72	3636.74	4037.83	3853.86	3147.21	2430.51	2133.48
50	2868.32	3621.71	4037.81	3832.19	3103.46	2352.73	2045.61
51	2827.93	3607.21	4039.29	3809.63	3059.91	2270.27	1940.32
52	2782.03	3593.20	4043.34	3788.13	3017.61	2175.60	1831.42
53	2729.05	3579.78	4049.11	3766.08	2977.69	2070.38	1712.95
54	2670.19	3565.27	4055.26	3743.02	2941.44	1951.98	1599.97
55	2606.29	3552.51	4062.88	3720.22	2908.75	1817.90	1489.03
56	2535.36	3540.69	4071.87	3697.02	2879.77	1674.90	1385.80
57	2452.33	3528.70	4079.09	3670.66	2857.81	1533.70	1283.42
58	2355.92	3515.60	4084.42	3642.85	2842.53	1406.43	1177.12
59	2241.83	3500.58	4089.98	3610.51	2836.00	1281.19	1066.87
60	2107.46	3484.45	4098.10	3576.13	2831.24	1149.94	956.70
61	1954.32	3467.24	4108.87	3538.26	2823.51	1016.66	854.06
62	1789.70	3448.54	4122.07	3498.20	2809.28	888.12	756.97
63	1612.78	3431.70	4137.00	3459.57	2782.40	773.75	670.24
64	1424.24	3415.16	4153.36	3422.34	2725.85	675.98	605.58
65	1235.70	3400.56	4173.92	3385.13	2618.82	605.02	541.13
66	1047.67	3389.97	4198.49	3351.60	2437.93	534.46	476.67
67	891.49	3389.93	4225.85	3324.60	2166.61	463.90	423.49
68	749.32	3407.07	4251.89	3310.89	1800.55	409.69	372.06
69	619.34	3442.07	4268.90	3306.78	1412.49	358.87	325.62
70	516.86	3487.94	4257.76	3298.52	1117.70	310.33	291.30
71	438.10	3531.22	4218.91	3278.77	912.47	270.43	258.55
72	373.60	3556.49	4144.39	3251.84	751.89	238.42	224.32
73	315.23	3570.32	4020.55	3206.98	625.02	207.77	197.92
74	268.83	3559.90	3837.82	3142.09	522.30	181.65	175.17
75	232.11	3501.32	3603.01	3073.27	420.21	160.38	156.68
76	201.93	3409.14	3328.63	3040.94	308.15	142.84	141.67
77	174.35	3287.25	3015.98	3063.04	216.38	127.20	128.10
78	149.58	3073.22	2664.16	3061.84	156.83	111.98	113.74
79	124.88	2727.52	2272.78	2951.77	126.86	97.23	102.38
80	105.25	2234.32	1803.70	2686.54	106.26	82.80	90.26
81	88.46	1766.00	1272.32	2250.58	88.99	69.60	78.56
82	73.94	1297.69	874.12	1783.57	73.74	58.55	65.93
83	60.19	830.21	643.74	1410.80	60.48	47.51	54.60
84	47.76	584.41	557.44	1078.02	47.24	36.47	43.28
85	36.81	410.34	474.19	783.00	33.99	27.14	31.97
86	25.73	280.04	390.94	577.34	23.44	18.55	20.87
87	14.66	224.14	301.29	372.03	13.77	10.61	11.23
88	3.76	168.23	192.73	166.72	5.80	7.18	7.59
89	0.96	112.32	50.61	29.76	3.45	3.82	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

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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

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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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1511.15	N.A.	10.50
0-30	3266.04	N.A.	22.80
0-40	5487.73	N.A.	38.30
0-60	10419.9	N.A.	72.70
0-80	14011.92	N.A.	97.70
0-90	14335.23	N.A.	100.00
10-90	13948.1	N.A.	97.30
20-40	3976.58	N.A.	27.70
20-50	6451.94	N.A.	45.00
40-70	7034.27	N.A.	49.10
60-80	3592.02	N.A.	25.10
70-80	1489.92	N.A.	10.40
80-90	323.31	N.A.	2.30
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	14335.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	387.12
10-20	1124.03
20-30	1754.89
30-40	2221.69
40-50	2475.36
50-60	2456.81
60-70	2102.1
70-80	1489.92
80-90	323.31
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT3HV-14000LM4K.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	67	60	85	75	66	60	72	64	59	69	63	58	66	61	57	54
4	80	67	57	50	77	66	57	50	63	55	49	61	54	48	58	53	48	45
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	49	41	36	47	41	36	33
7	62	48	39	32	60	47	38	32	46	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	25	38	31	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

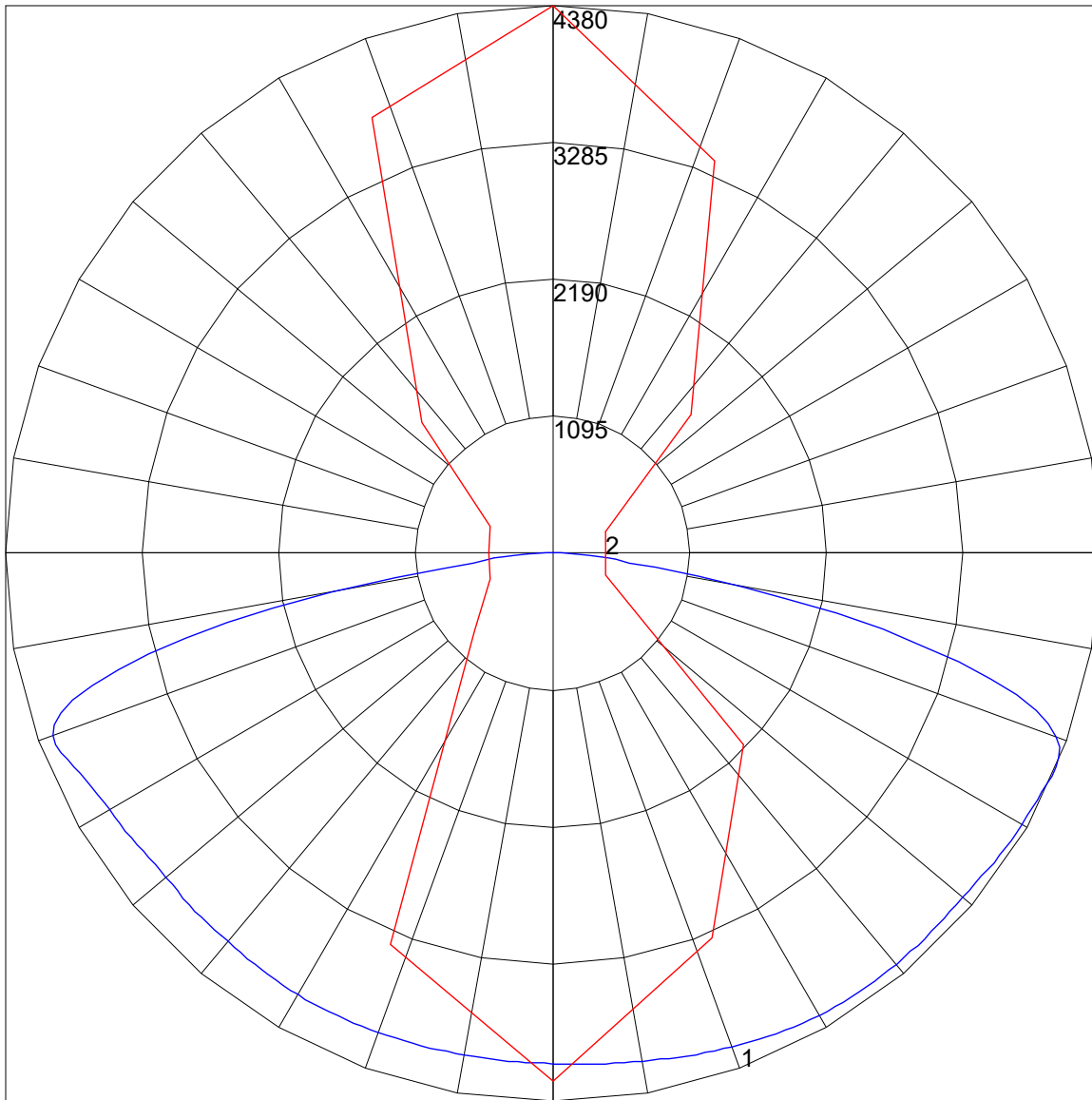
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UGR TABLE - CORRECTED

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	24.4	26.1	24.7	26.4	26.7	31.6	33.4	32.0	33.7	34.0
	3H	24.7	26.3	25.1	26.6	26.9	35.4	37.0	35.8	37.3	37.6
	4H	24.7	26.2	25.1	26.6	26.9	37.0	38.5	37.4	38.9	39.3
	6H	24.8	26.1	25.2	26.5	26.9	38.0	39.4	38.4	39.7	40.1
	8H	24.8	26.1	25.2	26.5	26.9	38.1	39.4	38.5	39.8	40.2
	12H	24.7	26.0	25.2	26.4	26.8	38.1	39.4	38.6	39.8	40.2
4H	2H	27.5	28.9	27.8	29.3	29.7	31.9	33.4	32.3	33.7	34.1
	3H	27.7	29.0	28.1	29.4	29.8	35.9	37.1	36.3	37.5	37.9
	4H	27.7	28.8	28.1	29.3	29.7	38.0	39.2	38.5	39.6	40.0
	6H	27.7	28.7	28.2	29.2	29.6	39.4	40.4	39.8	40.8	41.3
	8H	27.7	28.7	28.2	29.1	29.6	39.6	40.5	40.0	40.9	41.4
	12H	27.7	28.6	28.2	29.0	29.5	39.6	40.5	40.1	41.0	41.4
8H	4H	29.4	30.3	29.8	30.7	31.2	38.1	39.0	38.5	39.4	39.9
	6H	29.3	30.1	29.8	30.6	31.1	39.6	40.4	40.1	40.9	41.3
	8H	29.3	30.0	29.8	30.5	31.0	39.9	40.6	40.4	41.1	41.6
	12H	29.3	29.9	29.8	30.4	31.0	40.1	40.7	40.6	41.2	41.7
12H	4H	30.3	31.1	30.8	31.6	32.1	38.0	38.9	38.5	39.4	39.8
	6H	30.3	31.0	30.8	31.5	32.0	39.6	40.3	40.1	40.8	41.3
	8H	30.3	30.9	30.8	31.4	32.0	39.9	40.5	40.4	41.0	41.6

Maximum UGR = 41.7

POLAR GRAPH



Maximum Candela = 4379.9 Located At Horizontal Angle = 90, Vertical Angle = 67
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67) (Through Max. Cd.)