

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-34000LM4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-50025E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-02
[ISSUEDATE] 2022-12-02 19:03:04
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT3HV-34000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	35047
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	246
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.60
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.30 m
Luminous Width (90-270)	0.28 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	102882	140973	172011
55	81715	153406	214169
65	41698	171267	297312
75	19981	47195	369489
85	14264	12639	133664

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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	9819.83	9819.83	9819.83	9819.83	9819.83	9819.83	9819.83	9819.83	9819.83	9819.83
1	9851.44	9851.15	9844.99	9834.84	9822.51	9809.12	9795.44	9785.42	9779.81	9782.46
2	9876.31	9875.14	9867.06	9850.61	9828.37	9800.13	9768.62	9744.45	9732.43	9738.48
3	9894.46	9894.16	9886.88	9867.19	9836.12	9792.52	9741.28	9698.50	9678.18	9688.24
4	9906.83	9908.24	9903.71	9882.30	9842.00	9783.07	9711.15	9649.67	9620.86	9634.23
5	9914.56	9918.60	9917.95	9895.46	9847.96	9772.10	9678.44	9596.15	9557.19	9583.55
6	9917.76	9933.48	9928.31	9905.59	9852.74	9760.17	9643.12	9540.74	9489.75	9515.37
7	9918.47	9929.27	9935.76	9915.79	9861.44	9748.96	9606.15	9478.68	9417.31	9450.23
8	9916.40	9930.66	9940.78	9927.59	9870.02	9738.63	9564.70	9416.38	9344.08	9385.25
9	9910.26	9930.07	9946.48	9940.58	9878.34	9728.18	9522.65	9350.52	9268.37	9317.15
10	9898.67	9925.64	9952.23	9953.60	9887.42	9717.58	9479.46	9281.04	9186.99	9247.50
11	9882.17	9916.94	9956.95	9965.60	9898.22	9706.10	9436.78	9210.04	9103.41	9174.53
12	9852.35	9901.48	9960.60	9978.36	9911.41	9696.26	9391.31	9134.39	9015.65	9099.79
13	9827.99	9881.67	9962.15	9994.35	9925.61	9687.00	9345.23	9058.10	8925.11	9022.31
14	9790.56	9855.96	9962.16	10010.02	9939.10	9678.82	9298.67	8976.47	8831.54	8940.95
15	9744.99	9822.55	9959.02	10025.10	9952.40	9671.95	9251.57	8894.97	8736.51	8859.10
16	9692.22	9785.80	9953.19	10039.48	9966.66	9664.83	9203.21	8810.91	8639.94	8773.00
17	9633.68	9738.20	9944.06	10059.77	9981.94	9658.42	9154.74	8722.78	8539.31	8685.78
18	9567.70	9686.86	9931.32	10070.52	9995.94	9654.46	9107.11	8634.61	8440.17	8597.87
19	9498.88	9632.23	9914.36	10080.28	10009.99	9649.42	9060.63	8541.49	8333.98	8503.54
20	9423.63	9572.94	9889.92	10091.69	10023.43	9642.94	9013.29	8447.99	8226.42	8410.51
21	9343.22	9510.09	9864.34	10107.06	10037.68	9638.40	8966.67	8352.73	8118.33	8312.54
22	9259.54	9439.77	9833.99	10113.30	10052.19	9633.60	8920.77	8257.75	8007.05	8215.56
23	9166.89	9365.81	9799.42	10114.45	10065.70	9627.96	8872.44	8160.24	7895.67	8112.57
24	9070.17	9288.82	9762.26	10118.03	10079.10	9624.81	8825.72	8061.02	7780.65	8008.81
25	8964.53	9205.23	9723.17	10125.80	10090.87	9619.45	8777.32	7961.90	7666.82	7907.54
26	8853.00	9117.09	9683.43	10122.90	10103.72	9612.76	8727.02	7856.23	7547.79	7800.72
27	8737.35	9021.44	9641.26	10117.59	10116.63	9607.12	8676.62	7750.77	7431.24	7696.15
28	8614.59	8922.28	9595.86	10115.33	10128.53	9600.20	8627.88	7646.17	7315.62	7590.72
29	8483.91	8814.24	9547.10	10114.06	10138.35	9593.86	8578.73	7540.70	7194.96	7486.08
30	8351.23	8701.04	9496.66	10109.90	10148.93	9586.57	8531.21	7436.81	7075.83	7380.56
31	8216.00	8584.24	9442.80	10105.52	10158.61	9578.58	8482.33	7330.07	6953.52	7271.77
32	8077.44	8462.98	9387.17	10099.88	10166.78	9570.32	8429.21	7219.86	6825.76	7157.50
33	7937.41	8339.16	9325.87	10092.01	10173.68	9560.39	8375.99	7106.95	6693.36	7041.45
34	7793.64	8210.80	9262.02	10083.98	10177.80	9549.55	8322.98	6994.17	6554.52	6919.68
35	7651.67	8086.06	9196.25	10075.15	10183.47	9534.88	8270.66	6875.83	6409.04	6793.35
36	7510.23	7957.44	9128.45	10062.75	10188.74	9518.38	8217.22	6752.47	6254.23	6660.40
37	7367.64	7832.22	9058.36	10047.74	10193.46	9502.01	8161.43	6625.70	6100.04	6521.75
38	7224.04	7700.59	8982.62	10031.59	10197.01	9484.06	8101.97	6487.09	5942.66	6377.80
39	7072.26	7562.49	8902.52	10013.51	10202.44	9468.19	8041.75	6343.71	5785.93	6235.47
40	6918.82	7428.84	8822.17	9993.77	10208.52	9451.02	7980.31	6191.38	5624.13	6087.12
41	6764.45	7291.99	8737.58	9970.18	10215.43	9432.43	7921.53	6033.31	5458.21	5938.28
42	6606.09	7154.40	8651.26	9946.76	10223.16	9412.66	7859.52	5860.54	5281.73	5781.67
43	6440.41	7014.87	8563.91	9917.71	10227.54	9390.64	7794.48	5682.31	5103.55	5622.32
44	6276.79	6874.08	8471.12	9890.10	10226.27	9370.08	7726.72	5500.38	4927.70	5451.68
45	6113.50	6728.71	8376.93	9862.43	10221.29	9347.02	7653.34	5307.32	4755.75	5265.69
46	5947.38	6576.91	8277.49	9834.32	10216.04	9324.05	7579.39	5112.85	4583.70	5078.86
47	5780.98	6422.24	8177.82	9805.16	10213.13	9297.93	7503.54	4911.65	4411.21	4880.33
48	5614.48	6256.93	8076.47	9768.13	10216.68	9259.91	7423.54	4707.45	4239.29	4684.55
49	5428.67	6080.19	7973.40	9719.21	10222.98	9209.14	7332.16	4496.37	4057.97	4484.26
50	5228.33	5896.45	7875.33	9665.58	10230.84	9160.08	7242.85	4289.25	3883.05	4295.77
51	5002.72	5692.24	7773.94	9607.23	10242.45	9121.27	7148.06	4083.49	3711.26	4099.76
52	4751.63	5462.20	7674.11	9545.74	10257.47	9084.61	7038.84	3877.13	3539.56	3908.57
53	4484.97	5204.48	7576.07	9480.47	10274.19	9048.44	6924.27	3682.22	3379.57	3712.59

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54	4217.34	4909.86	7484.11	9408.92	10296.07	9011.84	6794.46	3485.96	3218.80	3519.88
55	3938.73	4584.13	7394.32	9337.30	10323.15	8977.45	6651.43	3299.35	3071.20	3323.26
56	3665.49	4238.97	7322.87	9263.03	10350.69	8942.41	6487.46	3120.49	2916.97	3138.89
57	3403.54	3885.03	7258.84	9185.19	10375.62	8911.78	6287.84	2951.32	2753.08	2961.49
58	3144.03	3538.88	7202.07	9100.40	10395.22	8883.01	6055.22	2782.61	2581.24	2784.75
59	2883.37	3203.21	7147.84	9005.46	10412.91	8854.19	5785.02	2608.56	2402.52	2606.68
60	2621.37	2895.52	7090.72	8906.44	10430.33	8822.65	5481.10	2427.07	2222.05	2421.32
61	2360.77	2599.15	7012.99	8800.65	10450.81	8794.47	5140.87	2234.50	2031.21	2233.56
62	2103.53	2319.21	6894.74	8690.41	10476.43	8772.34	4760.91	2042.79	1848.12	2047.29
63	1873.88	2066.74	6716.25	8583.22	10502.85	8762.18	4363.34	1851.07	1678.63	1866.31
64	1666.10	1831.20	6458.07	8487.80	10530.59	8760.81	3935.68	1669.03	1528.71	1689.91
65	1480.91	1615.79	6082.55	8406.71	10559.02	8774.79	3512.68	1498.42	1404.46	1524.69
66	1319.84	1420.92	5581.78	8350.57	10581.01	8804.99	3093.32	1362.92	1280.21	1389.64
67	1177.92	1249.33	4931.20	8327.18	10591.58	8861.38	2680.71	1227.43	1155.94	1254.59
68	1046.05	1102.18	4229.79	8351.61	10575.24	8939.11	2257.50	1092.00	1030.76	1119.59
69	924.94	972.21	3502.66	8414.13	10501.04	9022.75	1877.65	982.60	915.96	1001.70
70	813.59	855.62	2821.01	8501.32	10349.13	9085.77	1562.85	882.25	824.87	894.76
71	721.56	747.26	2272.76	8602.38	10117.16	9083.88	1352.60	787.08	750.42	799.42
72	639.61	655.37	1827.93	8701.59	9799.23	9009.36	1143.30	695.73	684.36	711.42
73	571.03	586.14	1502.55	8794.04	9339.48	8872.24	966.35	611.20	623.14	626.73
74	502.80	517.53	1244.79	8880.14	8750.60	8695.53	810.50	531.93	570.14	547.88
75	434.58	448.92	1026.49	8926.44	8036.39	8462.36	665.92	462.88	527.03	478.61
76	389.45	397.77	791.69	8889.93	7252.60	8143.57	532.82	404.66	485.40	419.52
77	351.87	353.01	634.86	8652.98	6387.15	7772.22	428.45	356.00	439.82	368.59
78	315.90	312.31	479.39	8058.14	5433.93	7306.28	353.49	312.12	386.88	322.21
79	281.97	274.43	323.93	7138.64	4395.02	6549.72	296.01	271.56	343.51	279.89
80	253.28	237.35	269.15	5968.92	3363.63	5384.95	248.49	232.81	303.53	239.43
81	223.49	201.82	225.97	4737.85	2434.83	4102.58	206.12	196.85	264.66	203.06
82	193.53	169.85	188.07	3626.87	1778.88	3007.27	172.76	168.71	224.79	173.84
83	162.11	141.27	153.71	2773.35	1451.51	2171.87	139.41	140.57	177.30	144.62
84	132.72	113.72	121.72	2081.17	1129.23	1668.48	106.25	112.43	129.81	115.39
85	104.47	88.28	92.57	1536.48	978.98	1165.09	79.92	84.10	82.57	85.69
86	76.87	64.24	67.37	1102.23	805.65	667.31	55.49	46.52	55.03	45.88
87	52.71	44.35	47.53	762.19	581.88	400.63	37.57	31.25	27.48	30.66
88	28.64	24.56	27.81	571.53	396.48	219.11	19.65	15.98	0.38	15.45
89	4.56	4.77	8.09	384.70	211.08	40.67	2.06	0.87	0.38	0.49
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 : MPLSEL40HTT3HV-34000LM4K.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	9819.83	9819.83	9819.83	9819.83	9819.83	9819.83	9819.83
1	9790.56	9803.82	9817.10	9829.74	9841.15	9848.44	9851.44
2	9757.82	9787.91	9815.97	9839.45	9858.13	9870.44	9876.31
3	9722.76	9771.92	9816.80	9849.00	9872.93	9887.28	9894.46
4	9685.32	9757.95	9820.58	9859.70	9884.07	9898.58	9906.83
5	9647.90	9744.19	9825.07	9870.19	9893.97	9906.15	9914.56
6	9608.87	9731.34	9832.38	9881.75	9902.60	9910.39	9917.76
7	9568.58	9718.52	9839.53	9894.27	9909.79	9912.60	9918.47
8	9525.79	9704.01	9845.18	9904.90	9915.91	9912.63	9916.40
9	9482.79	9688.21	9850.44	9913.53	9921.36	9910.53	9910.26
10	9437.60	9671.03	9854.09	9920.15	9924.78	9903.59	9898.67
11	9391.25	9654.36	9857.71	9924.04	9926.30	9892.35	9882.17
12	9343.00	9638.82	9863.43	9928.92	9925.49	9877.10	9852.35
13	9292.86	9626.34	9872.21	9935.38	9920.80	9855.01	9827.99
14	9243.66	9620.87	9879.95	9944.94	9914.39	9828.35	9790.56
15	9194.85	9600.91	9888.30	9955.63	9903.56	9795.47	9744.99
16	9147.47	9590.51	9897.14	9964.90	9889.42	9756.62	9692.22
17	9097.64	9579.40	9906.58	9973.75	9875.44	9710.84	9633.68
18	9049.02	9566.88	9915.99	9982.09	9857.45	9659.80	9567.70
19	8999.22	9555.84	9925.47	9987.98	9839.38	9603.18	9498.88
20	8948.24	9546.37	9934.72	9994.42	9816.23	9542.85	9423.63
21	8896.42	9536.58	9942.19	10000.19	9790.85	9479.30	9343.22
22	8843.73	9525.78	9952.14	10002.98	9761.17	9408.23	9259.54
23	8788.71	9516.47	9962.14	10005.12	9725.49	9333.14	9166.89
24	8734.87	9507.44	9972.33	10007.25	9686.79	9253.55	9070.17
25	8680.77	9500.14	9981.07	10007.30	9646.76	9169.81	8964.53
26	8626.72	9490.28	9992.07	10006.47	9604.07	9081.62	8853.00
27	8573.21	9478.92	10003.22	10006.03	9559.77	8989.89	8737.35
28	8518.06	9469.01	10012.84	10005.38	9511.19	8892.03	8614.59
29	8460.20	9460.18	10021.76	10003.48	9461.77	8789.13	8483.91
30	8401.14	9453.68	10030.37	10000.90	9408.70	8681.87	8351.23
31	8340.87	9446.04	10037.16	9997.95	9355.33	8573.08	8216.00
32	8279.90	9436.23	10042.60	9997.08	9300.40	8458.75	8077.44
33	8218.83	9430.18	10046.09	9993.13	9243.92	8340.03	7937.41
34	8159.73	9417.60	10050.85	9987.10	9185.15	8219.15	7793.64
35	8101.41	9401.20	10055.35	9981.30	9121.01	8098.25	7651.67
36	8042.46	9380.13	10058.13	9974.48	9055.25	7974.10	7510.23

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	7981.83	9367.85	10064.54	9961.39	8987.75	7850.39	7367.64
38	7920.55	9353.62	10071.77	9945.15	8917.54	7719.63	7224.04
39	7858.62	9335.98	10081.34	9930.53	8840.93	7586.68	7072.26
40	7794.05	9316.11	10097.88	9914.20	8759.64	7455.31	6918.82
41	7731.10	9295.85	10118.60	9895.42	8677.01	7320.89	6764.45
42	7666.76	9276.23	10142.53	9875.08	8589.38	7187.34	6606.09
43	7603.78	9250.02	10171.91	9853.88	8500.46	7051.04	6440.41
44	7535.73	9220.47	10195.22	9830.89	8407.70	6913.13	6276.79
45	7464.60	9203.66	10205.25	9808.31	8311.39	6772.65	6113.50
46	7392.06	9193.74	10194.38	9788.81	8216.94	6623.92	5947.38
47	7317.87	9189.30	10181.48	9775.43	8120.28	6470.36	5780.98
48	7241.19	9190.62	10179.15	9760.31	8023.46	6307.28	5614.48
49	7159.30	9167.57	10189.48	9732.38	7923.87	6132.35	5428.67
50	7071.22	9124.56	10206.76	9679.81	7827.91	5950.18	5228.33
51	6969.83	9092.90	10230.05	9626.75	7729.44	5747.95	5002.72
52	6850.35	9080.48	10259.93	9581.86	7634.08	5526.02	4751.63
53	6717.32	9063.36	10292.79	9542.74	7545.40	5284.53	4484.97
54	6569.13	9041.10	10328.46	9501.30	7463.00	5017.10	4217.34
55	6403.45	9026.53	10367.87	9461.25	7388.75	4714.87	3938.73
56	6221.69	9015.04	10412.16	9417.81	7328.19	4404.62	3665.49
57	6007.23	9002.40	10455.16	9369.75	7278.74	4079.22	3403.54
58	5758.33	8988.48	10496.71	9318.41	7240.78	3747.04	3144.03
59	5464.59	8973.03	10537.44	9261.89	7209.93	3421.46	2883.37
60	5137.32	8957.54	10582.79	9198.92	7181.61	3106.24	2621.37
61	4773.61	8933.22	10628.87	9130.37	7136.01	2793.42	2360.77
62	4367.86	8915.17	10677.16	9057.69	7060.96	2475.21	2103.53
63	3952.05	8891.69	10725.04	8983.82	6938.60	2178.58	1873.88
64	3516.79	8866.53	10771.35	8908.74	6747.40	1912.41	1666.10
65	3100.00	8850.35	10818.91	8832.79	6459.30	1674.16	1480.91
66	2676.03	8850.69	10862.14	8756.24	6043.94	1470.87	1319.84
67	2257.77	8862.43	10899.35	8697.41	5451.83	1296.79	1177.92
68	1877.97	8894.64	10914.11	8659.15	4755.45	1142.65	1046.05
69	1619.39	8944.64	10872.60	8628.73	4015.74	1004.79	924.94
70	1360.80	8983.53	10757.25	8589.29	3279.47	877.78	813.59
71	1103.20	8978.48	10583.25	8526.56	2611.54	763.60	721.56
72	927.54	8938.41	10339.88	8438.40	2111.19	664.12	639.61
73	769.85	8859.34	9982.88	8324.94	1743.12	590.31	571.03
74	644.43	8701.76	9494.98	8197.20	1431.49	517.28	502.80
75	547.62	8469.60	8884.58	8107.48	1164.80	444.24	434.58
76	472.06	8174.99	8185.06	8070.42	934.26	392.50	389.45
77	405.07	7765.61	7417.73	8018.76	711.60	348.48	351.87
78	345.05	7186.95	6521.81	7863.97	573.53	309.71	315.90
79	293.18	6397.38	5523.04	7506.64	435.49	272.02	281.97
80	248.17	5205.87	4380.31	6872.53	297.45	235.20	253.28
81	207.41	3837.26	3250.33	5915.61	244.25	200.34	223.49
82	174.34	2727.90	2318.93	4761.73	203.83	167.24	193.53
83	141.27	1954.20	1723.92	3758.74	167.25	138.28	162.11
84	108.36	1467.26	1413.92	2884.97	133.35	111.86	132.72
85	81.99	982.35	1220.97	2142.47	101.95	87.16	104.47
86	57.52	660.08	1026.50	1517.93	74.36	63.96	76.87
87	39.00	419.47	779.06	1054.56	52.62	44.33	52.71
88	20.48	314.58	584.85	597.58	31.02	24.79	28.64
89	2.20	209.69	392.22	397.88	9.42	5.24	4.56
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 : MPLSEL40HTT3HV-34000LM4K.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 : MPLSEL40HTT3HV-34000LM4K.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 : MPLSEL40HTT3HV-34000LM4K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3639.88	N.A.	10.40
0-30	7882.62	N.A.	22.50
0-40	13280.08	N.A.	37.90
0-60	25378.21	N.A.	72.40
0-80	34266.74	N.A.	97.80
0-90	35046.93	N.A.	100.00
10-90	34115.52	N.A.	97.30
20-40	9640.2	N.A.	27.50
20-50	15691.28	N.A.	44.80
40-70	17318.43	N.A.	49.40
60-80	8888.54	N.A.	25.40
70-80	3668.23	N.A.	10.50
80-90	780.19	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	35046.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	931.41
10-20	2708.48
20-30	4242.73
30-40	5397.46
40-50	6051.08
50-60	6047.04
60-70	5220.3
70-80	3668.23
80-90	780.19
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 : MPLSEL40HTT3HV-34000LM4K.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	83	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	74	66	60	71	64	58	69	62	57	66	61	56	54
4	80	67	57	50	77	65	57	50	63	55	49	60	54	48	58	52	48	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	43	37	65	52	43	36	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29
8	58	43	34	28	56	43	34	28	41	34	28	40	33	28	39	32	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	29	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	22	21

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-34000LM4K.IES

UGR TABLE - CORRECTED

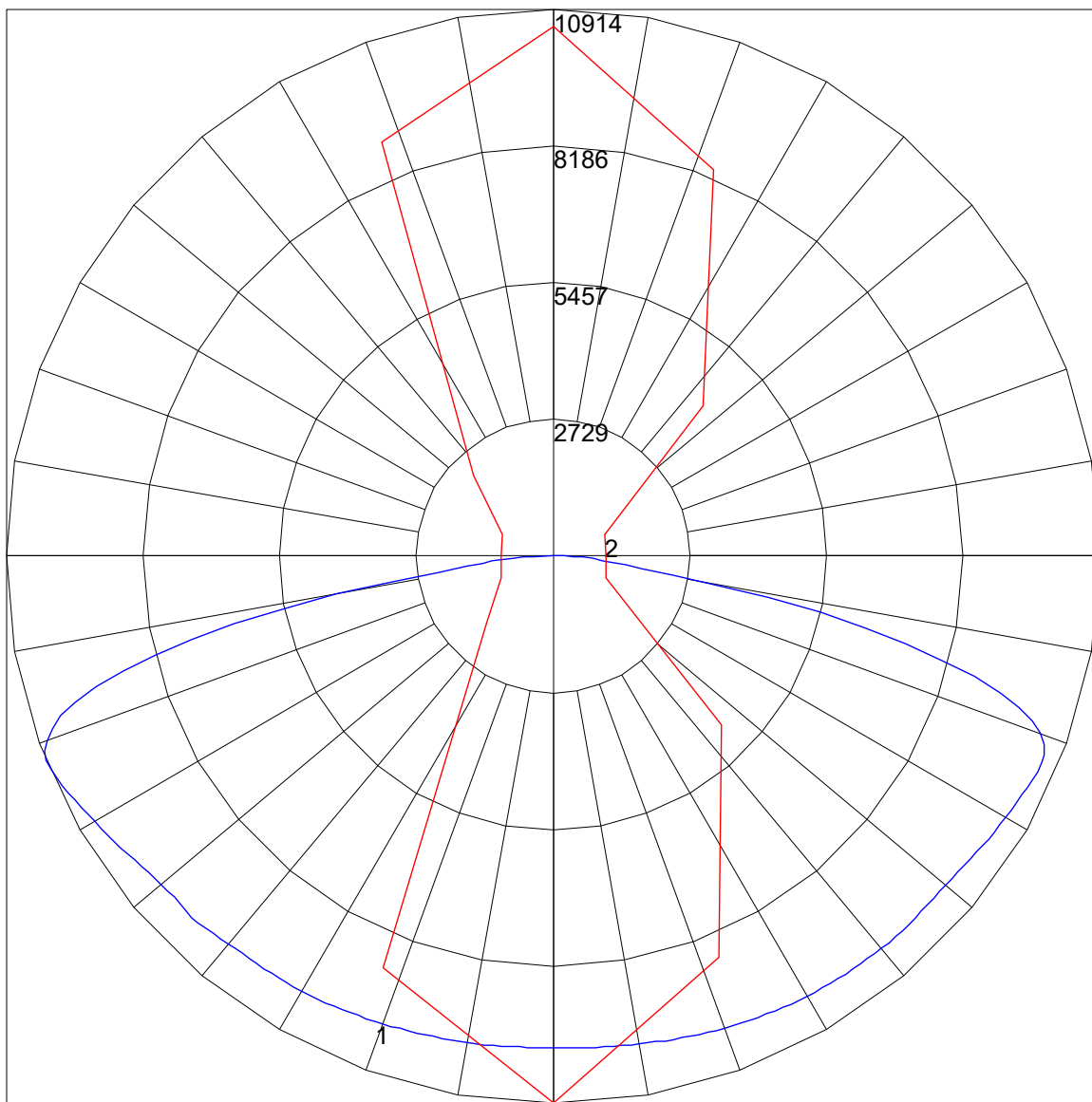
Reflectances

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	25.7	27.5	26.1	27.8	28.1	32.2	33.9	32.5	34.2	34.5
	3H	26.1	27.6	26.4	28.0	28.3	36.0	37.5	36.3	37.9	38.2
	4H	26.1	27.6	26.5	28.0	28.3	37.6	39.1	38.0	39.4	39.8
	6H	26.2	27.6	26.6	27.9	28.3	38.5	39.9	38.9	40.3	40.6
	8H	26.2	27.5	26.6	27.9	28.3	38.6	39.9	39.0	40.3	40.7
	12H	26.2	27.4	26.6	27.8	28.2	38.6	39.9	39.1	40.3	40.7
4H	2H	28.6	30.1	29.0	30.4	30.8	32.4	33.9	32.8	34.3	34.7
	3H	28.9	30.2	29.3	30.6	31.0	36.5	37.7	36.9	38.1	38.5
	4H	28.9	30.1	29.4	30.5	30.9	38.6	39.8	39.0	40.2	40.6
	6H	29.0	30.0	29.4	30.4	30.9	39.9	40.9	40.3	41.3	41.8
	8H	28.9	29.9	29.4	30.3	30.8	40.0	41.0	40.5	41.4	41.9
	12H	29.0	29.8	29.4	30.3	30.8	40.1	41.0	40.6	41.4	41.9
8H	4H	30.5	31.5	31.0	31.9	32.4	38.6	39.6	39.1	40.0	40.5
	6H	30.5	31.3	31.0	31.8	32.3	40.1	40.9	40.6	41.4	41.9
	8H	30.5	31.2	31.0	31.7	32.2	40.4	41.1	40.9	41.6	42.1
	12H	30.5	31.1	31.0	31.6	32.2	40.5	41.1	41.0	41.6	42.2
12H	4H	31.4	32.3	31.9	32.7	33.2	38.6	39.5	39.1	39.9	40.4
	6H	31.4	32.1	31.9	32.6	33.1	40.1	40.8	40.6	41.3	41.8
	8H	31.4	32.0	31.9	32.5	33.1	40.4	41.0	40.9	41.5	42.0

Maximum UGR = 42.2

POLAR GRAPH



Maximum Candela = 10914.11 Located At Horizontal Angle = 270, Vertical Angle = 68
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (68) (Through Max. Cd.)