



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L240-840-MD-(L200)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 14629546.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 28 OCT 2024
 [TESTDATE]
 [MANUFAC] WILLIAMS INDOOR
 [MORE] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] GS-2-L240-840-MD-(L200)-DIM-UNV
 [LUMINAIRE] White aluminum housing, prismatic lense enclosure
 [LAMP] 448 White LEDs

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20010
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	142
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.67 ft
Luminous Width (90-270)	1.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	38045	36967	32325
55	28728	26942	22761
65	22321	20184	18783
75	21497	17558	18908
85	19218	13035	14483

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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>
0.0	9046.284	9046.284	9046.284	9046.284	9046.284
0.5	8967.239	9037.501	9063.849	9046.284	9055.067
1.0	8967.239	9037.501	9063.849	9037.501	9055.067
1.5	8967.239	9037.501	9063.849	9037.501	9055.067
2.0	8958.456	9037.501	9055.067	9028.718	9046.284
2.5	8958.456	9028.718	9055.067	9028.718	9037.501
3.0	8949.673	9019.935	9046.284	9019.935	9028.718
3.5	8949.673	9019.935	9037.501	9011.153	9028.718
4.0	8940.890	9011.153	9028.718	9002.370	9019.935
4.5	8932.107	9002.370	9019.935	8993.587	9011.153
5.0	8932.107	8993.587	9019.935	8993.587	9002.370
5.5	8923.325	8984.804	9011.153	8984.804	8993.587
6.0	8914.542	8976.021	9002.370	8976.021	8984.804
6.5	8905.759	8976.021	8993.587	8967.239	8976.021
7.0	8896.976	8958.456	8984.804	8958.456	8967.239
7.5	8879.411	8949.673	8976.021	8949.673	8958.456
8.0	8870.628	8940.890	8967.239	8940.890	8949.673
8.5	8861.845	8932.107	8958.456	8932.107	8932.107
9.0	8844.279	8914.542	8940.890	8923.325	8923.325
9.5	8835.497	8905.759	8932.107	8905.759	8914.542
10.0	8817.931	8896.976	8923.325	8896.976	8896.976
10.5	8800.365	8879.411	8905.759	8879.411	8888.193
11.0	8791.583	8861.845	8888.193	8861.845	8870.628
11.5	8774.895	8844.279	8870.628	8844.279	8853.062
12.0	8759.086	8826.714	8853.062	8826.714	8835.497
12.5	8742.399	8809.148	8835.497	8809.148	8817.931
13.0	8723.955	8791.583	8817.931	8791.583	8800.365
13.5	8702.876	8767.869	8800.365	8769.626	8782.800
14.0	8681.798	8746.790	8773.139	8749.425	8762.599
14.5	8658.962	8724.833	8750.303	8728.346	8743.277
15.0	8635.249	8703.755	8727.468	8705.511	8723.077
15.5	8609.779	8680.041	8702.876	8682.676	8702.876
16.0	8584.309	8655.449	8676.528	8659.841	8680.041
16.5	8557.960	8629.979	8651.058	8636.127	8656.328
17.0	8530.733	8602.752	8623.831	8610.657	8630.857
17.5	8501.750	8573.769	8597.483	8585.187	8604.509
18.0	8471.889	8544.786	8571.134	8557.960	8577.282
18.5	8443.784	8514.924	8543.029	8529.855	8546.543
19.0	8413.922	8485.063	8514.924	8500.872	8517.559
19.5	8384.939	8453.445	8485.941	8471.010	8486.819
20.0	8354.199	8420.948	8452.567	8442.027	8457.836
20.5	8320.825	8385.817	8416.557	8413.044	8425.340
21.0	8286.572	8348.051	8377.034	8382.304	8393.722
21.5	8251.440	8310.285	8343.660	8348.930	8360.347
22.0	8214.553	8272.519	8308.529	8315.555	8326.973
22.5	8175.030	8232.118	8269.006	8279.545	8290.963
23.0	8134.629	8191.717	8227.727	8241.779	8252.319
23.5	8092.472	8150.438	8186.448	8202.257	8213.674
24.0	8047.679	8106.524	8142.534	8160.978	8174.152
24.5	8003.765	8061.732	8099.498	8117.942	8133.751
25.0	7958.095	8016.940	8056.462	8073.150	8091.593
25.5	7909.790	7968.634	8010.792	8026.601	8048.558
26.0	7862.362	7922.085	7965.121	7978.295	8002.009
26.5	7814.057	7872.023	7916.816	7929.990	7954.582

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GS-2-L240-840-MD-(L200)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	7763.117	7822.840	7867.632	7879.050	7905.398
27.5	7711.298	7771.900	7816.692	7827.231	7854.458
28.0	7656.845	7719.203	7763.995	7772.778	7800.883
28.5	7602.392	7664.749	7708.663	7717.446	7744.673
29.0	7540.912	7608.540	7652.454	7659.480	7685.828
29.5	7482.067	7550.573	7594.487	7599.757	7624.349
30.0	7421.466	7490.850	7533.886	7537.399	7560.234
30.5	7358.230	7430.249	7470.650	7471.528	7491.728
31.0	7293.237	7367.891	7406.535	7399.509	7419.709
31.5	7227.366	7304.655	7338.908	7323.977	7343.299
32.0	7161.495	7241.418	7272.158	7254.593	7274.793
32.5	7092.111	7172.913	7201.896	7179.939	7199.261
33.0	7024.483	7104.407	7129.877	7098.259	7092.989
33.5	6953.343	7032.388	7054.345	7015.701	6995.500
34.0	6881.324	6957.734	6977.934	6927.873	6896.254
34.5	6810.183	6882.202	6898.889	6834.775	6793.496
35.0	6733.773	6805.792	6817.209	6739.042	6685.467
35.5	6657.362	6727.625	6732.016	6638.918	6571.291
36.0	6577.439	6645.945	6644.188	6534.403	6454.480
36.5	6495.759	6561.630	6551.969	6424.618	6333.277
37.0	6412.322	6475.558	6457.993	6313.077	6210.318
37.5	6327.129	6387.730	6361.382	6196.265	6084.724
38.0	6238.423	6299.024	6263.893	6079.454	5955.617
38.5	6147.960	6207.683	6162.891	5959.130	5826.509
39.0	6055.740	6115.464	6060.132	5836.170	5693.889
39.5	5960.886	6022.366	5954.738	5712.333	5562.147
40.0	5865.154	5927.512	5847.588	5587.617	5429.527
40.5	5766.786	5831.779	5737.803	5461.145	5295.150
41.0	5667.541	5734.290	5628.018	5335.551	5152.869
41.5	5569.173	5635.044	5516.477	5208.200	5007.074
42.0	5469.049	5534.920	5402.300	5083.485	4885.872
42.5	5368.926	5433.918	5289.880	4967.552	4764.669
43.0	5267.923	5332.038	5177.461	4841.958	4637.318
43.5	5166.921	5228.401	5065.041	4708.459	4508.211
44.0	5065.919	5124.764	4951.743	4588.135	4380.861
44.5	4965.795	5019.370	4838.444	4466.932	4257.901
45.0	4866.549	4913.098	4728.659	4348.364	4134.942
45.5	4765.547	4808.583	4617.118	4231.553	4014.618
46.0	4664.545	4704.068	4507.333	4117.377	3898.685
46.5	4566.178	4598.674	4400.183	4006.713	3786.265
47.0	4466.932	4495.037	4292.154	3897.807	3676.480
47.5	4367.686	4392.278	4186.761	3790.656	3571.086
48.0	4270.197	4289.519	4082.245	3687.019	3469.206
48.5	4172.708	4189.396	3978.608	3586.017	3369.960
49.0	4075.219	4090.150	3877.606	3485.893	3275.106
49.5	3976.852	3990.904	3778.360	3390.161	3183.765
50.0	3880.241	3893.415	3679.993	3296.185	3095.937
50.5	3785.387	3796.804	3582.504	3203.965	3009.866
51.0	3691.411	3701.950	3488.528	3116.137	2927.307
51.5	3596.557	3608.852	3394.552	3024.796	2849.140
52.0	3505.215	3516.633	3304.089	2942.238	2771.852
52.5	3412.996	3426.170	3218.018	2864.071	2698.076
53.0	3322.533	3336.586	3135.460	2786.782	2626.935
53.5	3233.827	3247.879	3044.997	2711.250	2557.551
54.0	3147.755	3160.930	2957.169	2637.475	2490.802
54.5	3063.441	3075.737	2874.610	2566.334	2425.809

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55.0	2980.882	2991.422	2795.565	2496.950	2361.695
55.5	2898.324	2907.985	2717.398	2429.322	2300.215
56.0	2820.157	2827.183	2640.988	2363.451	2240.492
56.5	2742.868	2747.260	2566.334	2300.215	2182.526
57.0	2666.458	2669.093	2493.437	2237.857	2125.438
57.5	2593.561	2592.683	2422.296	2177.256	2070.106
58.0	2523.298	2518.907	2352.912	2118.411	2016.531
58.5	2453.914	2446.010	2284.406	2061.323	1964.712
59.0	2386.287	2375.747	2217.657	2005.113	1914.650
59.5	2319.537	2306.363	2152.664	1950.660	1865.467
60.0	2256.301	2238.736	2089.428	1898.841	1818.918
60.5	2193.943	2174.621	2027.948	1847.023	1774.126
61.0	2133.342	2111.385	1967.347	1797.839	1729.333
61.5	2073.619	2049.905	1908.502	1749.534	1687.176
62.0	2016.531	1991.061	1851.414	1703.863	1646.775
62.5	1961.199	1933.973	1796.083	1659.071	1608.131
63.0	1906.746	1880.397	1741.629	1615.157	1571.243
63.5	1851.414	1829.457	1689.811	1572.999	1535.233
64.0	1788.178	1771.491	1639.749	1532.599	1500.980
64.5	1747.777	1722.307	1590.565	1493.954	1467.606
65.0	1706.498	1674.880	1543.138	1456.188	1435.988
65.5	1659.949	1628.331	1497.467	1420.179	1405.248
66.0	1616.913	1577.391	1453.553	1384.169	1375.386
66.5	1573.878	1532.599	1410.518	1349.916	1346.403
67.0	1533.477	1489.563	1368.360	1316.542	1318.298
67.5	1493.954	1447.405	1328.838	1284.045	1290.193
68.0	1456.188	1407.005	1290.193	1252.427	1262.967
68.5	1419.300	1367.482	1252.427	1221.687	1235.740
69.0	1384.169	1328.838	1215.539	1190.948	1209.392
69.5	1350.795	1291.072	1180.408	1161.086	1183.043
70.0	1317.420	1254.184	1145.277	1132.103	1157.573
70.5	1284.924	1218.174	1111.902	1102.241	1131.225
71.0	1253.306	1183.043	1077.650	1073.258	1105.754
71.5	1221.687	1147.912	1045.153	1044.275	1079.406
72.0	1191.826	1112.781	1012.657	1015.292	1053.058
72.5	1161.086	1078.528	977.526	985.430	1025.831
73.0	1131.225	1044.275	945.908	956.447	998.604
73.5	1102.241	1010.022	916.046	925.707	971.378
74.0	1073.258	975.769	884.428	895.846	943.273
74.5	1038.127	941.516	851.932	865.106	914.289
75.0	1006.509	907.263	822.070	834.366	885.306
75.5	974.013	873.889	792.209	802.748	854.566
76.0	940.638	839.636	756.199	772.008	824.705
76.5	907.263	805.383	723.703	740.390	793.087
77.0	873.010	772.008	691.206	708.772	761.469
77.5	838.757	737.755	658.710	677.154	728.972
78.0	802.748	704.381	627.092	644.658	695.598
78.5	765.860	670.128	594.596	613.039	662.223
79.0	729.851	636.753	562.977	581.421	627.970
79.5	693.841	602.500	529.603	548.925	593.717
80.0	656.953	569.125	497.985	517.307	559.464
80.5	620.066	535.751	466.367	485.689	524.333
81.0	583.178	502.376	434.749	454.071	490.080
81.5	547.168	469.880	403.131	423.331	454.949
82.0	511.159	438.262	372.391	392.591	420.696
82.5	475.149	405.765	341.651	362.730	387.321

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CANDELA TABULATION - (Cont.)

83.0	440.018	371.512	312.668	332.868	353.947
83.5	404.887	343.407	284.563	303.885	322.329
84.0	370.634	316.181	256.458	274.902	289.832
84.5	336.381	285.441	230.109	247.675	259.093
85.0	303.007	258.214	205.518	220.448	228.353
85.5	270.510	231.866	180.926	194.978	200.248
86.0	237.136	204.639	158.090	170.386	171.265
86.5	205.518	178.291	137.012	144.038	145.794
87.0	173.899	151.942	115.933	119.446	120.324
87.5	143.160	125.594	95.733	96.611	96.611
88.0	112.420	101.880	77.289	75.532	75.532
88.5	82.558	80.802	60.601	57.966	55.332
89.0	57.966	62.358	46.549	43.036	40.401
89.5	39.523	46.549	33.375	30.740	30.740
90.0	0.000	0.000	0.000	0.000	0.000
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L240-840-MD-(L200)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L240-840-MD-(L200)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L240-840-MD-(L200)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3311.35	N.A.	16.50
0-30	7010.24	N.A.	35.00
0-40	11208.92	N.A.	56.00
0-60	17247.37	N.A.	86.20
0-80	19735.88	N.A.	98.60
0-90	20009.82	N.A.	100.00
10-90	19154.55	N.A.	95.70
20-40	7897.56	N.A.	39.50
20-50	11466.18	N.A.	57.30
40-70	7604.84	N.A.	38.00
60-80	2488.52	N.A.	12.40
70-80	922.13	N.A.	4.60
80-90	273.93	N.A.	1.40
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	20009.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	855.26
10-20	2456.09
20-30	3698.88
30-40	4198.68
40-50	3568.61
50-60	2469.84
60-70	1566.39
70-80	922.13
80-90	273.93
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 : GS-2-L240-840-MD-(L200)-DIM-UNV_.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	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	30

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L240-840-MD-(L200)-DIM-UNV_.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

X=2H	Y=2H	22.9	24.4	23.2	24.7	25.0	21.6	23.1	22.0	23.4	23.7
	3H	24.3	25.6	24.7	26.0	26.3	23.2	24.5	23.5	24.8	25.2
	4H	24.9	26.2	25.3	26.5	26.9	23.9	25.1	24.3	25.5	25.9
	6H	25.5	26.7	25.9	27.0	27.4	24.5	25.6	24.9	26.0	26.4
	8H	25.7	26.8	26.1	27.2	27.6	24.6	25.7	25.1	26.1	26.5
	12H	25.8	26.9	26.3	27.3	27.7	24.8	25.8	25.2	26.2	26.6

UGR Viewed Endwise

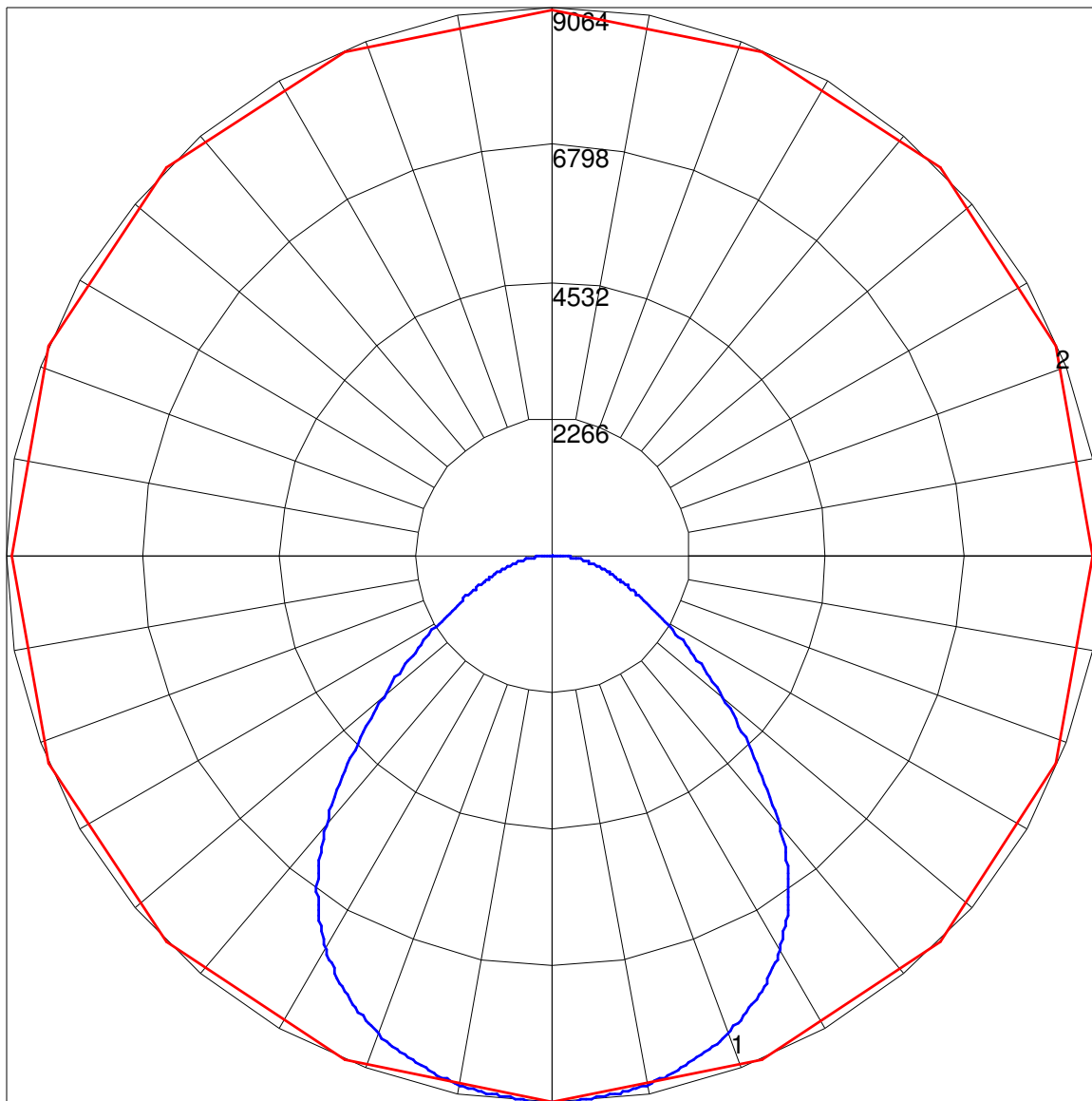
4H	2H	23.2	24.5	23.6	24.8	25.2	22.2	23.4	22.6	23.8	24.2
	3H	24.9	25.9	25.3	26.3	26.7	24.0	25.0	24.4	25.4	25.8
	4H	25.7	26.6	26.1	27.0	27.5	24.8	25.7	25.2	26.2	26.6
	6H	26.4	27.2	26.8	27.6	28.1	25.5	26.3	26.0	26.8	27.2
	8H	26.6	27.4	27.1	27.8	28.3	25.7	26.5	26.2	27.0	27.4
	12H	26.8	27.5	27.3	28.0	28.5	25.9	26.6	26.4	27.1	27.5

8H	4H	25.9	26.7	26.3	27.1	27.6	25.1	25.9	25.6	26.3	26.8
	6H	26.7	27.3	27.2	27.8	28.3	25.9	26.6	26.4	27.0	27.5
	8H	27.0	27.6	27.5	28.1	28.6	26.2	26.8	26.7	27.3	27.8
	12H	27.3	27.8	27.8	28.3	28.9	26.4	27.0	27.0	27.5	28.0

12H	4H	25.9	26.6	26.4	27.1	27.5	25.1	25.8	25.6	26.3	26.8
	6H	26.7	27.3	27.3	27.8	28.3	26.0	26.6	26.5	27.0	27.6
	8H	27.1	27.6	27.6	28.1	28.7	26.3	26.8	26.8	27.3	27.9

Maximum UGR = 28.9

POLAR GRAPH



Maximum Candela = 9063.849 Located At Horizontal Angle = 45, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)