



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L180-835-CA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14617179.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 2023-03-13
[TESTDATE] 1/6/2023
[MANUFAC] H E Williams Inc
[LUMCAT] GS-2-L180-835-CA-DIM-UNV
[LUMINAIRE] White aluminum housing, prismatic lense enclosure
[LAMP] 448 White LEDs
[BALLAST] ULT D21CC80UNVPW-C
[OTHER] 24.9 C, 120.004 V, 1.44538 A, 173.17 W, 0.998374 PF, 59.9997 H
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.
[FILEGENINFO] 1.10000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17462
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	116
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
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	34840	35918	36568
55	33347	34689	24952
65	30248	21156	6858
75	24762	6807	6894
85	10856	9331	8689

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L180-835-CA-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	6619.432	6619.432	6619.432	6619.432	6619.432
0.5	6537.659	6623.590	6638.143	6627.748	6640.915
1.0	6539.738	6624.283	6638.836	6627.748	6640.222
1.5	6542.510	6623.590	6639.529	6625.669	6638.143
2.0	6541.817	6624.976	6638.143	6626.362	6638.836
2.5	6540.431	6623.590	6638.836	6624.976	6636.757
3.0	6539.738	6620.818	6637.450	6625.669	6638.143
3.5	6537.659	6616.660	6636.757	6625.669	6638.143
4.0	6532.808	6614.581	6634.678	6628.441	6639.529
4.5	6526.571	6610.423	6631.906	6629.827	6640.915
5.0	6518.256	6605.572	6629.827	6628.441	6638.836
5.5	6512.019	6601.414	6627.055	6626.362	6636.064
6.0	6507.168	6597.256	6623.590	6621.511	6630.520
6.5	6500.238	6591.019	6620.125	6616.660	6622.897
7.0	6491.229	6584.090	6613.195	6609.730	6613.888
7.5	6483.606	6577.853	6606.958	6600.721	6604.186
8.0	6476.676	6570.230	6597.949	6591.019	6595.177
8.5	6473.211	6561.914	6589.633	6581.318	6588.247
9.0	6467.667	6552.905	6580.625	6571.616	6579.932
9.5	6460.044	6545.975	6573.002	6564.686	6573.695
10.0	6451.729	6539.738	6564.686	6556.370	6565.379
10.5	6444.106	6532.808	6554.984	6545.975	6555.677
11.0	6435.790	6525.878	6543.896	6534.194	6545.282
11.5	6428.860	6518.256	6532.808	6523.107	6529.343
12.0	6415.693	6508.554	6523.799	6508.554	6508.554
12.5	6401.140	6498.852	6511.326	6489.150	6491.922
13.0	6386.588	6487.764	6498.159	6469.746	6473.904
13.5	6371.342	6472.518	6484.992	6453.115	6453.808
14.0	6354.710	6457.966	6471.132	6434.404	6435.097
14.5	6332.534	6443.413	6454.501	6415.693	6419.158
15.0	6316.596	6428.860	6438.562	6396.982	6406.684
15.5	6307.587	6412.921	6419.851	6378.965	6394.211
16.0	6294.420	6394.904	6401.140	6363.026	6378.965
16.5	6280.560	6378.272	6378.965	6347.087	6365.105
17.0	6271.551	6360.947	6359.561	6331.149	6349.166
17.5	6256.999	6344.315	6338.771	6313.131	6333.920
18.0	6240.367	6324.912	6316.596	6296.499	6315.903
18.5	6222.349	6306.201	6297.192	6276.402	6292.341
19.0	6200.867	6288.183	6272.937	6255.613	6270.165
19.5	6177.305	6269.472	6250.069	6235.516	6252.148
20.0	6155.129	6250.762	6227.893	6214.033	6232.744
20.5	6133.647	6230.665	6207.796	6193.244	6213.340
21.0	6112.857	6209.182	6187.007	6173.840	6192.551
21.5	6088.602	6187.700	6165.524	6154.436	6169.682
22.0	6065.041	6166.217	6144.041	6133.647	6146.813
22.5	6044.944	6143.348	6121.173	6112.164	6126.024
23.0	6024.847	6119.787	6095.532	6087.216	6101.076
23.5	6004.751	6093.453	6070.585	6065.041	6078.900
24.0	5979.803	6069.892	6043.558	6042.865	6054.646
24.5	5958.320	6046.330	6015.838	6017.917	6031.777
25.0	5934.759	6017.224	5986.040	5995.049	6005.444
25.5	5907.732	5992.970	5959.706	5969.408	5980.496
26.0	5876.548	5968.715	5934.066	5943.768	5952.776
26.5	5842.591	5936.838	5909.118	5916.741	5925.750

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L180-835-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	5811.407	5905.653	5882.092	5890.407	5898.723
27.5	5780.915	5873.083	5857.144	5864.074	5872.390
28.0	5751.810	5840.512	5830.117	5839.126	5846.056
28.5	5726.862	5807.942	5801.705	5812.100	5817.644
29.0	5699.142	5776.064	5772.599	5780.222	5789.924
29.5	5671.423	5744.187	5743.494	5751.117	5764.976
30.0	5643.703	5708.844	5712.309	5720.625	5735.871
30.5	5615.984	5676.274	5683.897	5689.441	5709.537
31.0	5586.185	5640.238	5655.484	5660.335	5680.432
31.5	5552.922	5604.896	5625.686	5630.537	5651.326
32.0	5518.272	5573.018	5594.501	5600.045	5620.835
32.5	5482.237	5539.062	5564.703	5573.018	5588.957
33.0	5444.815	5505.798	5537.676	5543.220	5559.852
33.5	5408.780	5470.456	5506.491	5512.728	5533.518
34.0	5372.052	5433.035	5472.535	5480.851	5503.027
34.5	5337.402	5396.306	5437.886	5448.973	5471.149
35.0	5305.525	5358.192	5399.771	5417.789	5437.193
35.5	5275.726	5320.077	5356.113	5385.218	5406.701
36.0	5239.691	5279.191	5320.770	5352.648	5374.824
36.5	5202.269	5238.305	5286.814	5318.691	5340.867
37.0	5159.304	5197.418	5249.393	5285.428	5307.604
37.5	5112.874	5157.225	5211.278	5252.164	5272.261
38.0	5068.522	5117.725	5177.322	5217.515	5235.533
38.5	5023.478	5077.531	5144.751	5181.480	5195.339
39.0	4983.978	5037.338	5106.637	5142.672	5157.918
39.5	4946.556	4994.373	5064.364	5101.786	5121.190
40.0	4907.749	4949.328	5022.092	5062.978	5083.075
40.5	4867.556	4904.284	4981.899	5023.478	5047.040
41.0	4830.134	4859.240	4941.012	4980.513	5010.311
41.5	4784.397	4813.502	4897.354	4941.012	4968.039
42.0	4733.809	4768.458	4853.003	4898.740	4925.074
42.5	4679.062	4722.721	4807.958	4856.468	4882.801
43.0	4625.702	4676.291	4764.993	4814.195	4841.915
43.5	4575.807	4627.088	4720.642	4771.230	4801.722
44.0	4531.456	4580.658	4680.448	4729.651	4764.300
44.5	4494.727	4534.921	4637.483	4692.229	4724.107
45.0	4456.613	4486.412	4594.518	4653.422	4677.676
45.5	4415.034	4439.288	4548.088	4606.992	4635.404
46.0	4365.831	4390.779	4496.113	4555.710	4589.667
46.5	4315.243	4340.191	4441.367	4513.438	4546.009
47.0	4261.883	4291.682	4394.937	4469.780	4503.736
47.5	4214.067	4245.251	4348.507	4424.042	4458.692
48.0	4170.408	4200.207	4299.304	4380.384	4412.262
48.5	4127.443	4159.321	4250.795	4337.419	4356.823
49.0	4081.706	4103.189	4205.058	4293.068	4286.138
49.5	4032.504	4043.591	4160.014	4248.716	4204.365
50.0	3970.828	3993.696	4112.890	4200.900	4105.960
50.5	3914.695	3950.038	4062.302	4149.619	3986.073
51.0	3862.028	3898.064	4011.714	4087.250	3848.169
51.5	3816.291	3847.476	3959.047	4011.021	3715.808
52.0	3772.633	3792.729	3909.152	3922.318	3609.087
52.5	3722.738	3740.062	3858.563	3807.282	3507.911
53.0	3665.219	3683.237	3806.589	3675.614	3356.146
53.5	3606.315	3630.570	3756.694	3538.402	3151.714
54.0	3551.569	3582.754	3704.027	3422.673	2918.177
54.5	3505.832	3530.087	3650.667	3322.883	2724.833

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L180-835-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	3460.095	3468.411	3599.385	3198.145	2589.007
55.5	3401.884	3411.585	3546.718	3020.740	2485.752
56.0	3338.822	3365.848	3495.437	2799.676	2385.269
56.5	3286.154	3317.339	3443.463	2593.858	2259.837
57.0	3241.803	3263.286	3388.717	2448.331	2133.020
57.5	3191.908	3202.996	3328.427	2344.382	2027.686
58.0	3134.390	3144.092	3263.979	2259.837	1962.545
58.5	3069.942	3087.959	3184.978	2156.582	1921.659
59.0	3017.968	3033.213	3094.196	2015.212	1887.702
59.5	2967.379	2974.309	2990.941	1898.097	1839.886
60.0	2902.238	2912.633	2868.975	1828.798	1776.131
60.5	2839.869	2859.966	2759.483	1787.912	1695.051
61.0	2783.737	2802.448	2656.227	1753.262	1594.568
61.5	2734.535	2742.851	2536.340	1702.674	1488.541
62.0	2675.631	2679.789	2406.058	1637.533	1382.513
62.5	2602.867	2616.034	2237.662	1552.296	1241.836
63.0	2539.112	2561.288	2047.783	1446.268	1030.475
63.5	2488.524	2507.235	1893.939	1343.706	859.999
64.0	2426.848	2444.173	1789.298	1241.143	758.823
64.5	2367.944	2388.733	1709.604	1088.686	666.032
65.0	2312.505	2331.908	1617.437	889.105	524.316
65.5	2239.048	2267.460	1501.707	751.200	454.324
66.0	2176.679	2207.863	1404.689	667.002	438.662
66.5	2122.626	2153.810	1346.478	542.957	431.455
67.0	2063.722	2093.520	1300.741	455.017	425.149
67.5	2002.046	2033.923	1252.924	423.208	418.912
68.0	1938.291	1979.870	1191.248	414.477	413.091
68.5	1882.851	1916.115	1103.932	407.547	407.408
69.0	1828.798	1858.597	1004.141	401.102	401.726
69.5	1768.508	1799.693	918.904	395.073	395.905
70.0	1709.604	1744.947	801.788	389.321	390.153
70.5	1652.779	1682.578	651.548	383.431	384.609
71.0	1602.884	1617.437	554.738	377.956	379.065
71.5	1545.366	1549.524	481.697	372.482	372.828
72.0	1487.848	1477.453	398.122	366.314	366.799
72.5	1431.023	1385.285	356.820	360.424	360.354
73.0	1377.662	1288.960	346.079	354.464	353.355
73.5	1324.302	1206.494	338.941	348.088	346.287
74.0	1270.942	1119.177	331.942	341.228	338.525
74.5	1218.275	1023.545	325.358	333.813	330.833
75.0	1159.371	901.579	318.706	326.259	322.794
75.5	1105.318	816.341	312.330	318.498	314.409
76.0	1051.264	753.972	306.163	310.459	305.885
76.5	993.746	685.782	299.510	302.213	297.084
77.0	936.228	613.434	292.857	293.758	288.353
77.5	878.017	566.311	285.719	285.234	279.344
78.0	812.876	508.862	278.304	276.433	270.335
78.5	758.823	436.930	270.335	267.217	261.049
79.0	711.007	381.421	262.296	258.208	251.971
79.5	661.389	301.104	254.050	249.199	242.685
80.0	611.286	258.831	245.526	239.913	233.191
80.5	561.113	219.262	237.002	230.350	223.835
81.0	510.179	205.818	228.132	220.856	215.381
81.5	459.937	197.433	218.846	211.500	207.273
82.0	414.685	188.701	209.144	202.006	196.462
82.5	374.283	179.900	199.442	192.582	186.899

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L180-835-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	330.833	171.307	189.117	182.880	177.613
83.5	288.422	162.367	178.860	173.317	168.119
84.0	247.466	153.220	168.258	163.338	158.348
84.5	209.213	143.518	157.863	152.943	148.161
85.0	171.168	133.747	147.122	141.716	137.004
85.5	151.418	123.352	135.618	129.658	125.570
86.0	129.728	112.611	123.491	116.977	113.165
86.5	98.197	101.384	109.908	103.255	100.622
87.0	81.703	89.673	95.494	88.911	86.970
87.5	71.309	77.476	80.110	74.358	72.279
88.0	60.983	64.101	64.725	58.350	55.786
88.5	49.687	49.687	49.064	41.025	37.837
89.0	36.313	35.828	33.402	26.611	24.463
89.5	22.730	24.047	21.483	18.226	17.671
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

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : GS-2-L180-835-CA-DIM-UNV_.IES

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-L180-835-CA-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-L180-835-CA-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-L180-835-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2438.11	N.A.	14.00
0-30	5200.06	N.A.	29.80
0-40	8568.64	N.A.	49.10
0-60	15047.13	N.A.	86.20
0-80	17304.78	N.A.	99.10
0-90	17461.97	N.A.	100.00
10-90	16833.26	N.A.	96.40
20-40	6130.53	N.A.	35.10
20-50	9655.52	N.A.	55.30
40-70	8108.07	N.A.	46.40
60-80	2257.65	N.A.	12.90
70-80	628.06	N.A.	3.60
80-90	157.19	N.A.	0.90
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	17461.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	628.71
10-20	1809.39
20-30	2761.96
30-40	3368.57
40-50	3524.99
50-60	2953.5
60-70	1629.59
70-80	628.06
80-90	157.19
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 : GS-2-L180-835-CA-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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63
4	85	73	65	59	82	72	64	58	70	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	35	45	39	34	32
9	58	45	37	32	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L180-835-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

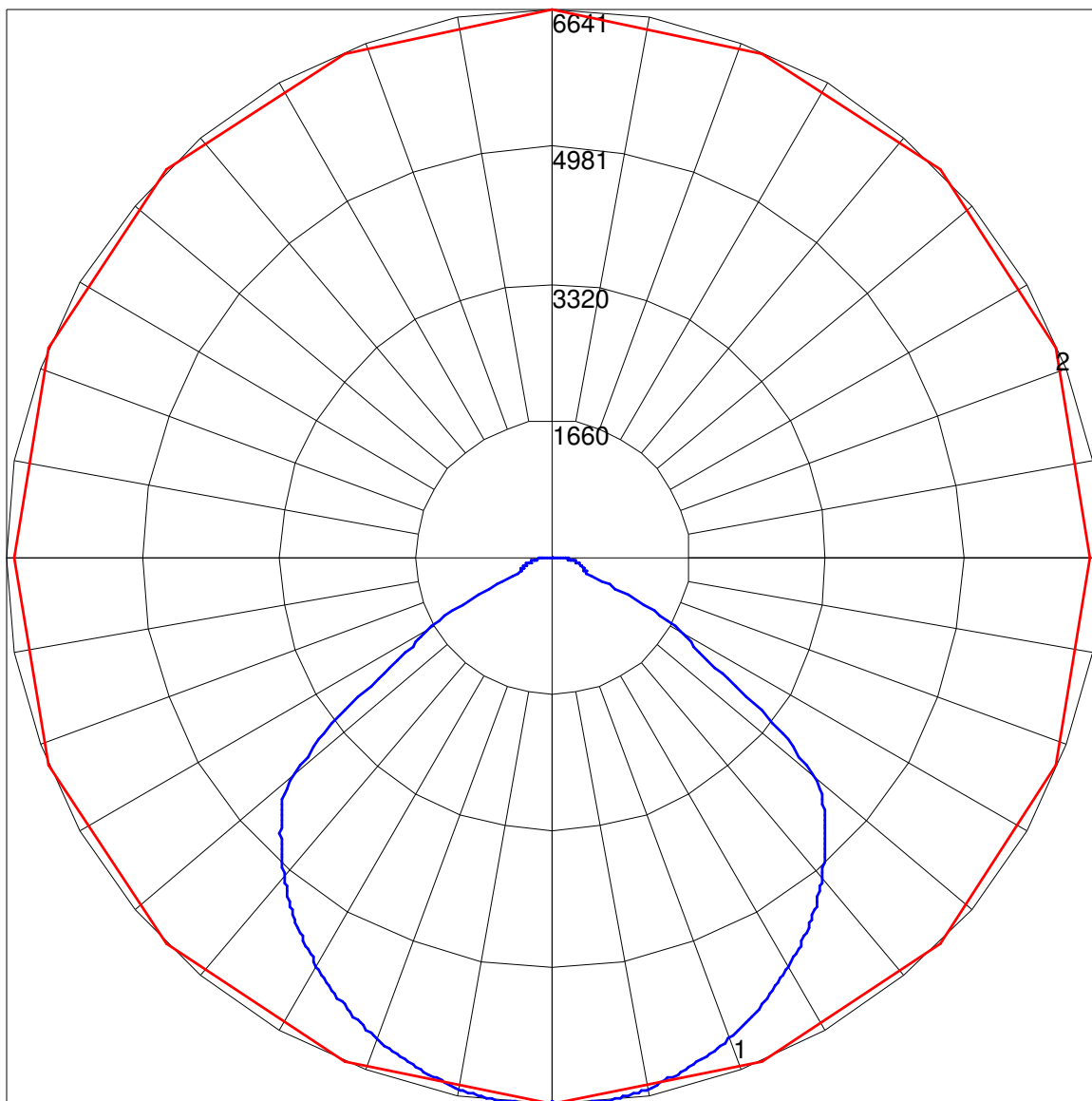
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	24.7	26.3	25.1	26.6	26.9	22.3	23.9	22.7	24.2	24.5
	3H	26.4	27.8	26.8	28.1	28.5	22.4	23.8	22.8	24.2	24.5
	4H	26.9	28.3	27.3	28.6	29.0	22.5	23.8	22.9	24.2	24.6
	6H	27.2	28.4	27.6	28.8	29.2	22.6	23.9	23.1	24.2	24.6
	8H	27.3	28.4	27.7	28.8	29.2	22.7	23.9	23.1	24.3	24.7
	12H	27.3	28.4	27.7	28.8	29.2	22.8	23.9	23.2	24.3	24.7
4H	2H	25.0	26.3	25.4	26.6	27.0	22.9	24.3	23.3	24.6	25.0
	3H	26.8	27.9	27.2	28.3	28.7	23.1	24.2	23.5	24.6	25.0
	4H	27.4	28.4	27.8	28.8	29.2	23.3	24.2	23.7	24.6	25.1
	6H	27.8	28.6	28.2	29.0	29.5	23.5	24.3	23.9	24.7	25.2
	8H	27.8	28.6	28.3	29.1	29.5	23.5	24.3	24.0	24.8	25.2
	12H	27.9	28.6	28.4	29.1	29.5	23.6	24.3	24.1	24.8	25.3
8H	4H	27.4	28.2	27.8	28.6	29.1	23.4	24.2	23.9	24.7	25.1
	6H	27.7	28.4	28.2	28.9	29.3	23.7	24.4	24.2	24.8	25.3
	8H	27.8	28.4	28.3	28.9	29.4	23.8	24.4	24.3	24.9	25.4
	12H	27.9	28.4	28.4	28.9	29.5	24.0	24.5	24.5	25.0	25.6
12H	4H	27.3	28.1	27.8	28.5	29.0	23.5	24.2	23.9	24.6	25.1
	6H	27.7	28.3	28.2	28.8	29.3	23.7	24.3	24.2	24.8	25.3
	8H	27.8	28.3	28.3	28.8	29.4	23.9	24.4	24.4	24.9	25.5

Maximum UGR = 29.5

POLAR GRAPH



Maximum Candela = 6640.915 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)