



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L180-850-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-L180-850-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	18542
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	160
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	36995	38140	38830
55	35409	36835	26495
65	32119	22465	7282
75	26293	7228	7321
85	11528	9908	9227

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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	7028.881	7028.881	7028.881	7028.881	7028.881
0.5	6942.050	7033.296	7048.749	7037.711	7051.693
1.0	6944.258	7034.032	7049.485	7037.711	7050.957
1.5	6947.201	7033.296	7050.221	7035.504	7048.749
2.0	6946.465	7034.768	7048.749	7036.240	7049.485
2.5	6944.994	7033.296	7049.485	7034.768	7047.277
3.0	6944.258	7030.353	7048.013	7035.504	7048.749
3.5	6942.050	7025.938	7047.277	7035.504	7048.749
4.0	6936.899	7023.730	7045.070	7038.447	7050.221
4.5	6930.277	7019.315	7042.126	7039.919	7051.693
5.0	6921.446	7014.164	7039.919	7038.447	7049.485
5.5	6914.824	7009.749	7036.976	7036.240	7046.542
6.0	6909.673	7005.334	7033.296	7031.089	7040.655
6.5	6902.314	6998.711	7029.617	7025.938	7032.560
7.0	6892.748	6991.353	7022.258	7018.579	7022.994
7.5	6884.654	6984.730	7015.636	7009.013	7012.692
8.0	6877.295	6976.635	7006.070	6998.711	7003.126
8.5	6873.616	6967.805	6997.239	6988.409	6995.768
9.0	6867.729	6958.239	6987.673	6978.107	6986.937
9.5	6859.635	6950.881	6979.579	6970.749	6980.315
10.0	6850.804	6944.258	6970.749	6961.918	6971.484
10.5	6842.710	6936.899	6960.447	6950.881	6961.183
11.0	6833.880	6929.541	6948.673	6938.371	6950.145
11.5	6826.521	6921.446	6936.899	6926.597	6933.220
12.0	6812.540	6911.144	6927.333	6911.144	6911.144
12.5	6797.087	6900.842	6914.088	6890.540	6893.484
13.0	6781.634	6889.069	6900.107	6869.937	6874.352
13.5	6765.445	6872.880	6886.125	6852.276	6853.012
14.0	6747.785	6857.427	6871.408	6832.408	6833.144
14.5	6724.237	6841.974	6853.748	6812.540	6816.219
15.0	6707.313	6826.521	6836.823	6792.672	6802.974
15.5	6697.747	6809.596	6816.955	6773.540	6789.728
16.0	6683.765	6790.464	6797.087	6756.615	6773.540
16.5	6669.048	6772.804	6773.540	6739.690	6758.823
17.0	6659.482	6754.407	6752.936	6722.766	6741.898
17.5	6644.029	6736.747	6730.860	6703.633	6725.709
18.0	6626.369	6716.143	6707.313	6685.973	6706.577
18.5	6607.237	6696.275	6686.709	6664.633	6681.558
19.0	6584.425	6677.143	6660.954	6642.558	6658.010
19.5	6559.406	6657.275	6636.671	6621.218	6638.878
20.0	6535.859	6637.407	6613.123	6598.406	6618.274
20.5	6513.047	6616.067	6591.784	6576.331	6597.670
21.0	6490.972	6593.255	6569.708	6555.727	6575.595
21.5	6465.217	6570.444	6546.896	6535.123	6551.312
22.0	6440.198	6547.632	6524.085	6513.047	6527.028
22.5	6418.858	6523.349	6499.802	6490.236	6504.953
23.0	6397.518	6498.330	6472.575	6463.745	6478.462
23.5	6376.178	6470.368	6446.084	6440.198	6454.915
24.0	6349.688	6445.349	6417.386	6416.650	6429.160
24.5	6326.876	6420.330	6387.952	6390.159	6404.877
25.0	6301.857	6389.424	6356.310	6365.876	6376.914
25.5	6273.159	6363.669	6328.348	6338.650	6350.423
26.0	6240.045	6337.914	6301.121	6311.423	6320.989
26.5	6203.988	6304.065	6274.630	6282.725	6292.291

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CANDELA TABULATION - (Cont.)

27.0	6170.875	6270.951	6245.932	6254.762	6263.593
27.5	6138.497	6236.366	6219.441	6226.800	6235.630
28.0	6107.591	6201.781	6190.743	6200.309	6207.668
28.5	6081.101	6167.196	6160.573	6171.611	6177.498
29.0	6051.666	6133.346	6129.667	6137.761	6148.063
29.5	6022.232	6099.497	6098.761	6106.856	6121.573
30.0	5992.798	6061.968	6065.648	6074.478	6090.667
30.5	5963.364	6027.383	6035.478	6041.365	6062.704
31.0	5931.722	5989.119	6005.308	6010.459	6031.798
31.5	5896.401	5951.590	5973.666	5978.817	6000.893
32.0	5859.608	5917.741	5940.552	5946.439	5968.515
32.5	5821.344	5881.684	5908.911	5917.741	5934.666
33.0	5781.608	5846.363	5880.212	5886.099	5903.760
33.5	5743.343	5808.835	5847.099	5853.722	5875.797
34.0	5704.343	5769.098	5811.042	5819.872	5843.420
34.5	5667.550	5730.098	5774.249	5786.023	5809.570
35.0	5633.701	5689.626	5733.777	5752.910	5773.514
35.5	5602.059	5649.154	5687.419	5718.324	5741.136
36.0	5563.795	5605.739	5649.890	5683.739	5707.287
36.5	5524.059	5562.323	5613.833	5647.682	5671.230
37.0	5478.436	5518.908	5574.097	5612.361	5635.909
37.5	5429.134	5476.228	5533.625	5577.040	5598.380
38.0	5382.039	5434.285	5497.568	5540.248	5559.380
38.5	5334.208	5391.605	5462.983	5501.983	5516.700
39.0	5292.265	5348.926	5422.511	5460.775	5476.964
39.5	5252.529	5303.303	5377.624	5417.360	5437.964
40.0	5211.321	5255.472	5332.737	5376.152	5397.492
40.5	5168.641	5207.641	5290.057	5334.208	5359.228
41.0	5128.905	5159.811	5246.642	5288.585	5320.227
41.5	5080.339	5111.245	5200.283	5246.642	5275.340
42.0	5026.621	5063.414	5153.188	5201.755	5229.717
42.5	4968.489	5014.848	5105.358	5156.868	5184.830
43.0	4911.828	4965.545	5059.735	5111.980	5141.415
43.5	4858.847	4913.300	5012.640	5066.357	5098.735
44.0	4811.752	4863.997	4969.961	5022.206	5058.999
44.5	4772.752	4815.431	4924.338	4982.470	5016.319
45.0	4732.280	4763.921	4878.715	4941.262	4967.017
45.5	4688.128	4713.883	4829.412	4891.960	4922.130
46.0	4635.883	4662.373	4774.223	4837.507	4873.564
46.5	4582.165	4608.656	4716.091	4792.620	4827.205
47.0	4525.504	4557.146	4666.789	4746.261	4782.318
47.5	4474.731	4507.844	4617.486	4697.694	4734.487
48.0	4428.372	4460.013	4565.241	4651.336	4685.185
48.5	4382.749	4416.598	4513.731	4605.713	4626.317
49.0	4334.182	4356.994	4465.164	4558.618	4551.259
49.5	4281.937	4293.710	4417.334	4511.523	4464.429
50.0	4216.446	4240.729	4367.296	4460.749	4359.937
50.5	4156.841	4194.370	4313.578	4406.296	4232.634
51.0	4100.917	4139.181	4259.861	4340.069	4086.199
51.5	4052.350	4085.464	4203.936	4259.125	3945.651
52.0	4005.991	4027.331	4150.955	4164.936	3832.330
52.5	3953.010	3971.406	4097.237	4042.784	3724.895
53.0	3891.934	3911.066	4042.048	3902.972	3563.743
53.5	3829.386	3855.141	3989.067	3757.273	3346.666
54.0	3771.254	3804.367	3933.142	3634.385	3098.683
54.5	3722.687	3748.442	3876.481	3528.422	2893.379

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55.0	3674.121	3682.951	3822.028	3395.968	2749.152
55.5	3612.309	3622.611	3766.103	3207.589	2639.510
56.0	3545.346	3574.045	3711.650	2972.852	2532.811
56.5	3489.422	3522.535	3656.460	2754.303	2399.621
57.0	3442.327	3465.138	3598.328	2599.774	2264.960
57.5	3389.345	3401.119	3534.309	2489.395	2153.110
58.0	3328.269	3338.571	3465.874	2399.621	2083.940
58.5	3259.835	3278.967	3381.987	2289.979	2040.524
59.0	3204.646	3220.835	3285.590	2139.865	2004.467
59.5	3150.928	3158.287	3175.948	2015.505	1953.693
60.0	3081.758	3092.796	3046.437	1941.920	1885.995
60.5	3015.531	3036.871	2930.172	1898.504	1799.900
61.0	2955.927	2975.795	2820.530	1861.712	1693.201
61.5	2903.681	2912.512	2693.227	1807.994	1580.615
62.0	2841.134	2845.549	2554.886	1738.824	1468.030
62.5	2763.869	2777.850	2376.074	1648.314	1318.651
63.0	2696.170	2719.718	2174.450	1535.728	1094.215
63.5	2642.453	2662.321	2011.090	1426.822	913.195
64.0	2576.962	2595.358	1899.976	1317.915	805.761
64.5	2514.414	2536.490	1815.353	1156.027	707.230
65.0	2455.546	2476.150	1717.484	944.101	556.747
65.5	2377.546	2407.716	1594.596	797.666	482.426
66.0	2311.319	2344.432	1491.577	708.260	465.796
66.5	2253.922	2287.035	1429.765	576.542	458.143
67.0	2191.374	2223.016	1381.199	483.162	451.447
67.5	2125.883	2159.733	1330.425	449.386	444.824
68.0	2058.185	2102.336	1264.934	440.115	438.643
68.5	1999.316	2034.637	1172.216	432.756	432.609
69.0	1941.920	1973.561	1066.253	425.913	426.575
69.5	1877.900	1911.014	975.743	419.511	420.394
70.0	1815.353	1852.881	851.384	413.403	414.286
70.5	1755.013	1786.654	691.850	407.148	408.399
71.0	1702.031	1717.484	589.051	401.335	402.512
71.5	1640.955	1645.370	511.492	395.522	395.890
72.0	1579.879	1568.842	422.748	388.973	389.488
72.5	1519.539	1470.973	378.891	382.718	382.644
73.0	1462.879	1368.689	367.486	376.390	375.212
73.5	1406.218	1281.122	359.906	369.620	367.706
74.0	1349.557	1188.405	352.474	362.335	359.465
74.5	1293.632	1086.857	345.484	354.461	351.297
75.0	1231.084	957.347	338.419	346.440	342.761
75.5	1173.688	866.836	331.650	338.199	333.857
76.0	1116.291	800.610	325.100	329.663	324.806
76.5	1055.215	728.202	318.036	320.906	315.461
77.0	994.139	651.378	310.972	311.929	306.189
77.5	932.328	601.340	303.393	302.878	296.623
78.0	863.157	540.338	295.519	293.532	287.057
78.5	805.761	463.956	287.057	283.745	277.196
79.0	754.987	405.014	278.521	274.179	267.557
79.5	702.299	319.729	269.764	264.613	257.696
80.0	649.097	274.842	260.713	254.753	247.615
80.5	595.821	232.824	251.662	244.598	237.681
81.0	541.736	218.549	242.243	234.517	228.704
81.5	488.387	209.645	232.383	224.583	220.094
82.0	440.335	200.373	222.081	214.502	208.615
82.5	397.435	191.028	211.779	204.494	198.460

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CANDELA TABULATION - (Cont.)

83.0	351.297	181.903	200.815	194.192	188.599
83.5	306.263	172.411	189.924	184.037	178.518
84.0	262.774	162.697	178.665	173.441	168.143
84.5	222.154	152.395	167.628	162.403	157.326
85.0	181.756	142.020	156.222	150.482	145.478
85.5	160.784	130.982	144.007	137.678	133.337
86.0	137.752	119.576	131.129	124.212	120.165
86.5	104.271	107.655	116.707	109.642	106.846
87.0	86.757	95.220	101.401	94.410	92.350
87.5	75.719	82.269	85.065	78.957	76.750
88.0	64.755	68.067	68.729	61.959	59.236
88.5	52.761	52.761	52.098	43.563	40.178
89.0	38.559	38.044	35.468	28.257	25.976
89.5	24.136	25.534	22.811	19.353	18.764
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-L180-850-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
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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-L180-850-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2588.92	N.A.	14.00
0-30	5521.72	N.A.	29.80
0-40	9098.66	N.A.	49.10
0-60	15977.88	N.A.	86.20
0-80	18375.17	N.A.	99.10
0-90	18542.09	N.A.	100.00
10-90	17874.49	N.A.	96.40
20-40	6509.74	N.A.	35.10
20-50	10252.77	N.A.	55.30
40-70	8609.6	N.A.	46.40
60-80	2397.3	N.A.	12.90
70-80	666.91	N.A.	3.60
80-90	166.91	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	18542.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	667.60
10-20	1921.32
20-30	2932.8
30-40	3576.94
40-50	3743.03
50-60	3136.19
60-70	1730.39
70-80	666.91
80-90	166.91
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-L180-850-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-L180-850-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

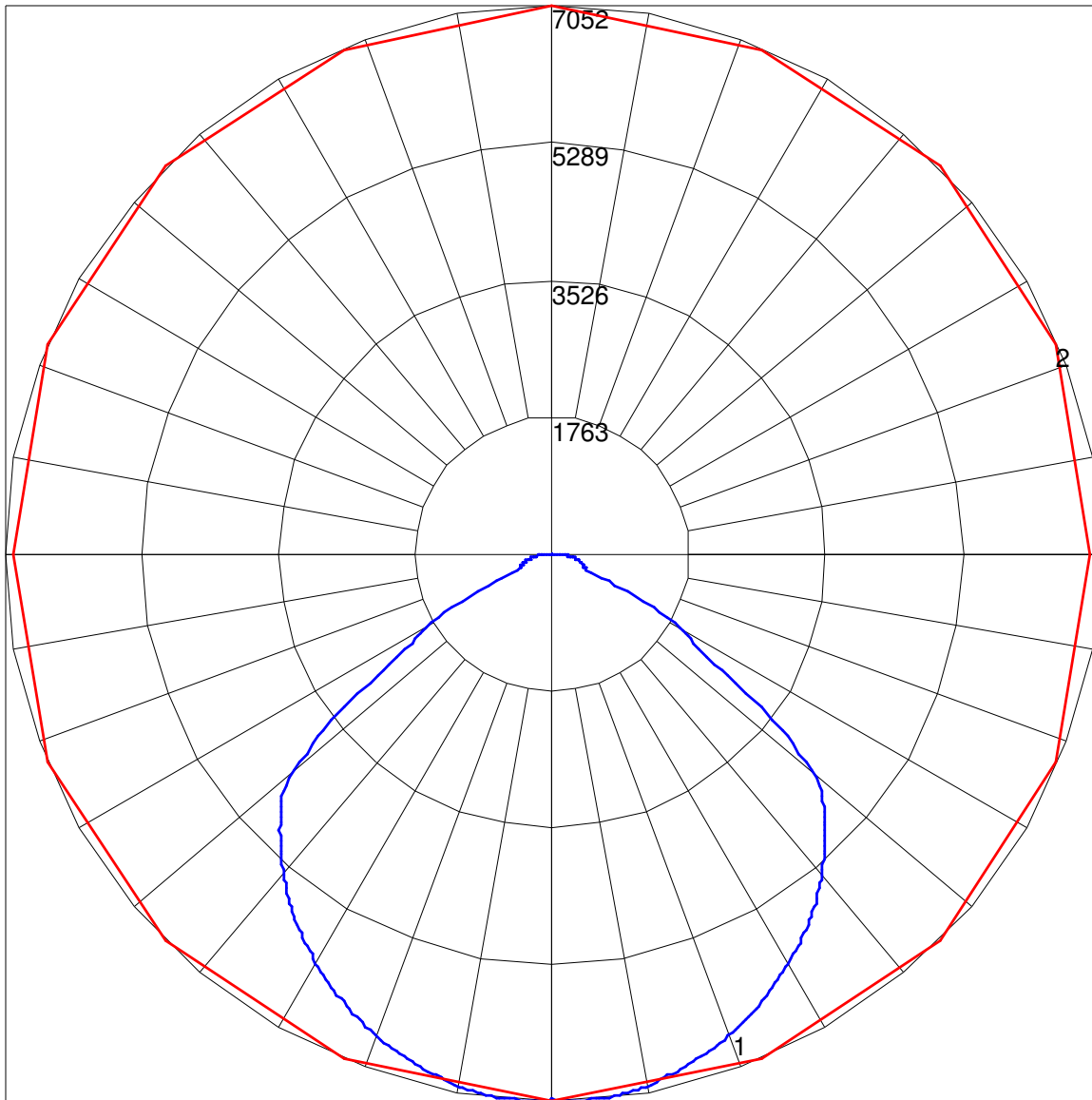
Reflectances

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	24.9	26.5	25.3	26.8	27.1	22.5	24.1	22.9	24.4	24.7
	3H	26.6	28.0	27.0	28.3	28.7	22.6	24.0	23.0	24.4	24.7
	4H	27.1	28.5	27.5	28.8	29.2	22.7	24.0	23.1	24.4	24.8
	6H	27.4	28.6	27.8	29.0	29.4	22.8	24.1	23.3	24.4	24.8
	8H	27.5	28.6	27.9	29.0	29.4	22.9	24.1	23.3	24.5	24.9
	12H	27.5	28.6	27.9	29.0	29.4	23.0	24.1	23.4	24.5	24.9
4H	2H	25.2	26.5	25.6	26.8	27.2	23.1	24.5	23.5	24.8	25.2
	3H	27.0	28.1	27.4	28.5	28.9	23.3	24.4	23.7	24.8	25.2
	4H	27.6	28.6	28.0	29.0	29.4	23.5	24.4	23.9	24.8	25.3
	6H	28.0	28.8	28.4	29.2	29.7	23.7	24.5	24.1	24.9	25.4
	8H	28.0	28.8	28.5	29.3	29.7	23.7	24.5	24.2	25.0	25.4
	12H	28.1	28.8	28.6	29.3	29.7	23.8	24.5	24.3	25.0	25.5
8H	4H	27.6	28.4	28.0	28.8	29.3	23.6	24.4	24.1	24.9	25.3
	6H	27.9	28.6	28.4	29.1	29.5	23.9	24.6	24.4	25.0	25.5
	8H	28.0	28.6	28.5	29.1	29.6	24.0	24.6	24.5	25.1	25.6
	12H	28.1	28.6	28.6	29.1	29.7	24.2	24.7	24.7	25.2	25.8
12H	4H	27.5	28.3	28.0	28.7	29.2	23.7	24.4	24.1	24.8	25.3
	6H	27.9	28.5	28.4	29.0	29.5	23.9	24.5	24.4	25.0	25.5
	8H	28.0	28.5	28.5	29.0	29.6	24.1	24.6	24.6	25.1	25.7

Maximum UGR = 29.7

POLAR GRAPH



Maximum Candela = 7051.693 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.)