



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14629546.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 2023-03-13
[TESTDATE] 1/5/2023
[MANUFAC] H E Williams Inc
[LUMCAT] GS-2-L180-835-ND-DIM-UNV
[LUMINAIRE] White aluminum housing, prismatic lense enclosure
[LAMP] 448 White LEDs
[BALLAST] ULT D21CC80UNVPW-C
[OTHER] 25.5 C, 276.967 V, 0.622888 A, 168.916 W, 0.979112 PF, 59.9997
[MORE] Hz
[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	16764
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	116
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
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	30245	29772	29972
55	27861	27566	27054
65	24878	24650	22611
75	20794	19814	16128
85	15333	12193	9930

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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	7376.477	7376.477	7376.477	7376.477	7376.477
0.5	7310.940	7376.477	7391.040	7376.477	7391.040
1.0	7303.658	7369.195	7391.040	7369.195	7391.040
1.5	7303.658	7369.195	7383.758	7369.195	7383.758
2.0	7296.377	7361.913	7376.477	7361.913	7376.477
2.5	7296.377	7354.631	7376.477	7354.631	7369.195
3.0	7289.095	7347.349	7369.195	7347.349	7361.913
3.5	7277.444	7340.068	7354.631	7332.786	7340.068
4.0	7269.434	7332.786	7347.349	7325.504	7340.068
4.5	7260.696	7325.504	7340.068	7310.940	7325.504
5.0	7250.501	7310.940	7332.786	7303.658	7310.940
5.5	7238.122	7303.658	7318.222	7289.095	7296.377
6.0	7224.287	7289.095	7303.658	7273.075	7289.095
6.5	7209.723	7271.618	7289.095	7256.327	7269.434
7.0	7192.247	7254.142	7269.434	7239.579	7251.958
7.5	7171.129	7234.481	7248.317	7219.189	7233.753
8.0	7152.197	7213.364	7226.471	7198.072	7212.636
8.5	7131.079	7190.062	7203.169	7176.227	7190.790
9.0	7107.050	7165.304	7177.683	7152.925	7167.489
9.5	7081.563	7138.361	7152.925	7128.167	7142.002
10.0	7052.436	7110.690	7124.526	7102.680	7115.788
10.5	7023.309	7080.107	7096.127	7075.010	7086.660
11.0	6991.997	7049.523	7065.543	7045.882	7055.349
11.5	6959.957	7017.483	7034.960	7015.299	7025.493
12.0	6926.461	6983.987	7000.735	6982.531	6991.269
12.5	6893.692	6948.306	6965.782	6949.762	6957.044
13.0	6860.196	6912.625	6928.645	6913.353	6921.363
13.5	6824.515	6875.488	6890.780	6873.303	6882.770
14.0	6786.650	6835.438	6852.186	6831.069	6844.904
14.5	6748.056	6794.660	6812.136	6793.932	6804.126
15.0	6707.278	6754.610	6770.630	6753.882	6763.348
15.5	6665.043	6713.103	6728.395	6710.191	6721.842
16.0	6622.809	6670.141	6683.248	6665.772	6677.423
16.5	6577.662	6627.906	6638.829	6622.081	6630.819
17.0	6531.058	6583.487	6598.051	6576.205	6583.487
17.5	6484.454	6538.340	6550.719	6529.602	6535.427
18.0	6438.579	6491.736	6501.931	6482.270	6487.367
18.5	6390.519	6445.861	6455.327	6434.210	6437.851
19.0	6343.187	6399.257	6407.267	6385.422	6387.606
19.5	6295.127	6351.926	6359.935	6335.177	6338.818
20.0	6247.796	6303.137	6311.147	6285.661	6290.030
20.5	6199.736	6255.077	6262.359	6235.416	6239.786
21.0	6150.219	6207.017	6214.299	6185.172	6190.269
21.5	6103.616	6157.501	6164.783	6134.927	6139.297
22.0	6054.099	6109.441	6115.267	6084.683	6089.780
22.5	6006.768	6061.381	6065.022	6034.438	6039.536
23.0	5958.708	6011.865	6014.049	5982.738	5987.107
23.5	5910.648	5963.077	5961.620	5929.580	5934.678
24.0	5863.316	5915.745	5909.191	5876.423	5882.977
24.5	5818.897	5865.500	5854.578	5823.266	5829.820
25.0	5771.565	5815.984	5800.692	5770.109	5778.847
25.5	5722.777	5765.740	5746.807	5718.408	5727.146
26.0	5675.445	5715.495	5692.921	5666.707	5677.630
26.5	5628.113	5664.522	5639.036	5614.278	5627.385

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CANDELA TABULATION - (Cont.)

27.0	5580.782	5618.647	5585.151	5562.577	5577.869
27.5	5532.722	5574.956	5531.993	5510.148	5528.352
28.0	5484.662	5516.702	5479.564	5458.447	5478.836
28.5	5437.330	5466.457	5427.135	5407.474	5430.048
29.0	5384.901	5421.310	5375.434	5356.502	5381.260
29.5	5336.841	5369.609	5324.462	5306.985	5332.472
30.0	5288.781	5317.908	5274.217	5257.469	5281.499
30.5	5242.177	5269.120	5224.701	5209.409	5231.983
31.0	5194.845	5220.332	5174.456	5161.349	5182.466
31.5	5148.970	5171.544	5124.212	5112.561	5132.222
32.0	5103.823	5122.755	5074.695	5064.501	5082.705
32.5	5057.947	5075.424	5025.179	5017.169	5034.646
33.0	5012.800	5027.364	4975.663	4968.381	4986.586
33.5	4968.381	4980.760	4926.147	4920.321	4939.982
34.0	4923.234	4932.700	4877.358	4871.533	4893.378
34.5	4878.087	4884.640	4822.745	4822.017	4846.047
35.0	4832.211	4837.308	4775.413	4772.500	4798.715
35.5	4787.064	4789.977	4728.809	4722.984	4751.383
36.0	4741.188	4742.645	4679.293	4674.196	4703.323
36.5	4695.313	4693.857	4630.505	4624.679	4655.991
37.0	4650.166	4645.797	4581.717	4575.163	4607.203
37.5	4610.844	4596.280	4531.472	4525.647	4559.143
38.0	4567.153	4547.492	4482.684	4476.130	4511.083
38.5	4508.170	4497.976	4433.896	4427.342	4463.751
39.0	4459.382	4447.731	4387.292	4378.554	4415.691
39.5	4410.594	4398.215	4341.417	4329.766	4366.903
40.0	4360.350	4347.971	4288.988	4280.978	4318.115
40.5	4310.833	4298.454	4238.015	4232.190	4269.327
41.0	4261.317	4249.666	4189.955	4183.402	4220.539
41.5	4211.801	4199.422	4141.895	4133.885	4171.023
42.0	4161.556	4149.905	4093.107	4084.369	4121.506
42.5	4112.768	4100.389	4045.775	4034.853	4073.446
43.0	4063.252	4050.873	3998.444	3986.064	4026.114
43.5	4014.464	4001.356	3950.384	3935.820	3978.054
44.0	3965.675	3952.568	3903.780	3886.304	3929.266
44.5	3916.887	3900.867	3855.720	3837.515	3881.935
45.0	3868.827	3848.438	3808.388	3787.999	3833.875
45.5	3820.767	3801.835	3761.056	3738.483	3783.630
46.0	3771.979	3753.046	3713.725	3688.966	3734.842
46.5	3725.376	3699.161	3665.665	3639.450	3684.597
47.0	3677.316	3654.014	3618.333	3589.934	3634.353
47.5	3628.527	3608.138	3570.273	3541.146	3584.108
48.0	3580.467	3559.350	3522.941	3491.629	3532.407
48.5	3532.407	3509.834	3474.881	3442.841	3481.435
49.0	3484.348	3461.046	3427.549	3393.325	3431.190
49.5	3436.288	3412.258	3380.218	3345.993	3379.489
50.0	3387.499	3362.741	3332.886	3297.933	3328.517
50.5	3338.711	3313.225	3286.282	3247.689	3277.544
51.0	3289.195	3264.437	3238.950	3198.172	3225.843
51.5	3240.407	3215.649	3192.347	3150.840	3174.870
52.0	3190.890	3167.589	3145.015	3102.052	3122.441
52.5	3139.918	3118.801	3098.411	3053.264	3070.012
53.0	3089.673	3070.012	3051.080	3005.204	3017.583
53.5	3040.157	3021.224	3003.748	2957.144	2965.154
54.0	2990.641	2973.164	2956.416	2909.084	2912.725
54.5	2941.124	2925.104	2908.356	2859.568	2860.296

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55.0	2890.880	2877.044	2860.296	2810.780	2807.139
55.5	2842.092	2828.256	2812.964	2760.535	2754.710
56.0	2792.575	2779.468	2764.176	2711.019	2702.281
56.5	2743.059	2730.680	2712.475	2660.774	2649.852
57.0	2693.543	2682.620	2661.503	2610.530	2596.695
57.5	2644.754	2633.832	2617.084	2559.557	2543.537
58.0	2595.238	2585.044	2569.752	2508.585	2491.108
58.5	2545.722	2536.255	2520.964	2456.884	2437.223
59.0	2496.206	2486.739	2472.176	2404.455	2384.066
59.5	2446.689	2437.951	2423.387	2352.754	2331.637
60.0	2397.901	2388.435	2373.871	2300.325	2285.761
60.5	2348.385	2338.918	2325.811	2248.624	2228.235
61.0	2298.868	2289.402	2277.751	2196.923	2167.068
61.5	2249.352	2240.614	2228.235	2144.494	2111.726
62.0	2200.564	2190.369	2178.718	2092.065	2057.112
62.5	2150.319	2140.853	2129.202	2040.364	2001.770
63.0	2100.803	2092.065	2080.414	1987.935	1947.157
63.5	2050.559	2042.549	2032.354	1936.962	1891.815
64.0	2000.314	1993.760	1983.566	1885.261	1837.201
64.5	1950.798	1944.972	1934.050	1834.289	1782.588
65.0	1902.010	1896.184	1884.533	1782.588	1728.702
65.5	1853.221	1847.396	1836.473	1731.615	1675.545
66.0	1804.433	1798.608	1787.685	1680.642	1622.388
66.5	1755.645	1751.276	1738.897	1629.670	1569.231
67.0	1706.857	1703.216	1690.109	1574.328	1516.802
67.5	1658.797	1655.156	1641.321	1525.540	1465.101
68.0	1610.737	1607.096	1591.804	1476.752	1413.400
68.5	1563.405	1559.764	1543.016	1426.507	1362.427
69.0	1516.073	1511.704	1493.500	1375.534	1311.455
69.5	1469.470	1465.101	1444.712	1325.290	1261.938
70.0	1422.866	1417.769	1395.924	1275.045	1212.422
70.5	1376.991	1370.437	1347.135	1225.529	1163.634
71.0	1331.115	1323.105	1299.075	1176.013	1115.574
71.5	1285.240	1277.230	1251.015	1127.953	1067.514
72.0	1240.093	1230.626	1202.956	1079.893	1020.910
72.5	1194.946	1184.751	1155.624	1032.561	975.035
73.0	1150.526	1138.876	1109.748	985.957	929.159
73.5	1106.107	1093.728	1063.145	940.082	884.740
74.0	1060.960	1048.581	1017.269	895.663	840.321
74.5	1017.997	1004.162	972.122	851.244	797.359
75.0	973.578	960.471	927.703	807.553	755.124
75.5	930.616	916.780	882.556	764.590	713.618
76.0	888.381	874.546	838.865	723.084	674.296
76.5	846.147	832.311	795.902	682.306	634.974
77.0	804.640	790.805	752.939	642.984	594.924
77.5	763.862	750.755	711.433	604.390	556.331
78.0	723.812	710.705	669.927	566.525	522.834
78.5	684.490	671.383	629.149	530.116	490.066
79.0	645.897	632.790	589.827	494.435	457.298
79.5	608.031	594.924	550.505	459.482	425.258
80.0	570.894	557.787	511.911	425.986	394.674
80.5	534.485	522.106	474.774	396.131	364.819
81.0	499.532	486.425	437.637	367.732	337.148
81.5	465.308	451.472	401.956	334.235	310.933
82.0	431.083	417.976	368.460	305.108	285.447
82.5	397.587	384.480	335.692	278.165	260.689

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CANDELA TABULATION - (Cont.)

83.0	364.819	351.712	304.380	252.679	237.387
83.5	333.507	320.400	273.796	228.649	215.542
84.0	302.195	289.816	244.669	206.075	195.153
84.5	271.612	259.233	217.726	184.230	175.492
85.0	241.756	230.105	192.240	164.569	156.559
85.5	211.901	201.706	168.210	144.908	137.626
86.0	183.502	174.764	146.364	125.975	118.694
86.5	154.374	147.821	124.519	107.771	102.674
87.0	126.704	122.334	104.130	93.207	89.566
87.5	100.489	99.033	85.925	80.100	77.915
88.0	76.459	77.187	71.362	66.264	65.536
88.5	54.614	58.255	56.798	56.070	55.342
89.0	34.225	42.235	45.875	48.788	48.788
89.5	20.389	29.855	37.137	42.235	42.235
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-L180-835-ND-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-ND-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-ND-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2587.67	N.A.	15.40
0-30	5253.03	N.A.	31.30
0-40	8255.86	N.A.	49.20
0-60	13752.54	N.A.	82.00
0-80	16528.88	N.A.	98.60
0-90	16763.75	N.A.	100.00
10-90	16072.57	N.A.	95.90
20-40	5668.2	N.A.	33.80
20-50	8619.46	N.A.	51.40
40-70	7323.36	N.A.	43.70
60-80	2776.34	N.A.	16.60
70-80	949.66	N.A.	5.70
80-90	234.87	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	16763.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	691.18
10-20	1896.48
20-30	2665.36
30-40	3002.83
40-50	2951.26
50-60	2545.42
60-70	1826.68
70-80	949.66
80-90	234.87
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-ND-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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	34	29	39	33	29	39	33	29	27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L180-835-ND-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	23.5	25.1	23.9	25.4	25.7	23.3	24.9	23.7	25.2	25.5
	3H	25.2	26.6	25.6	27.0	27.3	24.8	26.2	25.1	26.5	26.9
	4H	25.8	27.1	26.2	27.5	27.9	25.2	26.6	25.6	26.9	27.3
	6H	26.2	27.5	26.6	27.8	28.2	25.5	26.7	25.9	27.1	27.5
	8H	26.4	27.5	26.8	27.9	28.3	25.5	26.7	26.0	27.1	27.5
	12H	26.4	27.6	26.9	28.0	28.4	25.6	26.7	26.0	27.1	27.5

UGR Viewed Endwise

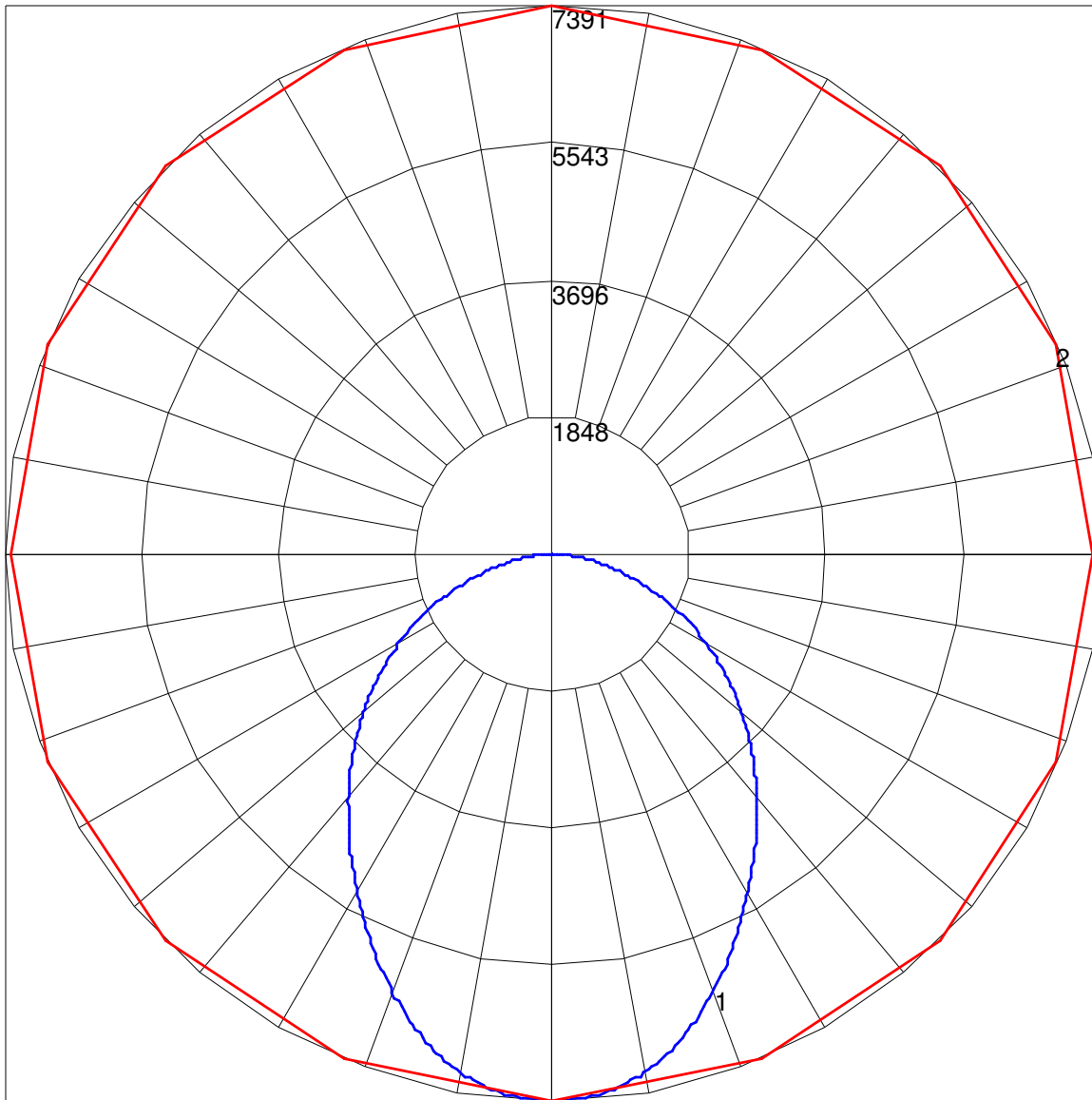
4H	2H	24.1	25.4	24.5	25.8	26.2	23.9	25.3	24.3	25.6	26.0
	3H	26.0	27.1	26.4	27.5	27.9	25.6	26.7	26.0	27.1	27.5
	4H	26.7	27.7	27.1	28.1	28.6	26.1	27.2	26.6	27.6	28.0
	6H	27.3	28.1	27.7	28.6	29.0	26.5	27.4	26.9	27.8	28.3
	8H	27.4	28.3	27.9	28.7	29.2	26.6	27.4	27.0	27.9	28.3
	12H	27.5	28.3	28.0	28.8	29.2	26.6	27.4	27.1	27.9	28.3

8H	4H	26.9	27.8	27.4	28.2	28.7	26.4	27.3	26.9	27.7	28.2
	6H	27.6	28.3	28.1	28.8	29.2	26.9	27.6	27.4	28.1	28.5
	8H	27.8	28.4	28.3	29.0	29.4	27.0	27.6	27.5	28.1	28.6
	12H	28.0	28.6	28.5	29.1	29.6	27.1	27.7	27.6	28.1	28.7

12H	4H	26.9	27.7	27.4	28.2	28.6	26.5	27.2	26.9	27.7	28.1
	6H	27.6	28.2	28.1	28.7	29.2	26.9	27.6	27.4	28.0	28.5
	8H	27.9	28.4	28.4	28.9	29.5	27.1	27.6	27.6	28.1	28.7

Maximum UGR = 29.6

POLAR GRAPH



Maximum Candela = 7391.04 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.)