



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L240-835-HA-CA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14617179.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2023-03-13
[TEST DATE] 1/6/2023
[MANUFAC] H E Williams Inc
[LUMCAT] GS-2-L240-835-HA-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	22549
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	156
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	44989	46381	47220
55	43061	44794	32220
65	39059	27319	8856
75	31975	8790	8903
85	14019	12049	11221

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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	8547.679	8547.679	8547.679	8547.679	8547.679
0.5	8442.086	8553.048	8571.840	8558.417	8575.420
1.0	8444.770	8553.943	8572.735	8558.417	8574.525
1.5	8448.350	8553.048	8573.630	8555.733	8571.840
2.0	8447.455	8554.838	8571.840	8556.628	8572.735
2.5	8445.665	8553.048	8572.735	8554.838	8570.051
3.0	8444.770	8549.469	8570.945	8555.733	8571.840
3.5	8442.086	8544.100	8570.051	8555.733	8571.840
4.0	8435.822	8541.415	8567.366	8559.312	8573.630
4.5	8427.768	8536.046	8563.787	8561.102	8575.420
5.0	8417.030	8529.782	8561.102	8559.312	8572.735
5.5	8408.976	8524.413	8557.523	8556.628	8569.156
6.0	8402.712	8519.044	8553.048	8550.364	8561.997
6.5	8393.764	8510.990	8548.574	8544.100	8552.153
7.0	8382.130	8502.041	8539.625	8535.151	8540.520
7.5	8372.287	8493.988	8531.572	8523.518	8527.992
8.0	8363.338	8484.144	8519.939	8510.990	8516.359
8.5	8358.864	8473.406	8509.200	8498.462	8507.410
9.0	8351.705	8461.773	8497.567	8485.934	8496.672
9.5	8341.862	8452.824	8487.724	8476.985	8488.618
10.0	8331.124	8444.770	8476.985	8466.247	8477.880
10.5	8321.280	8435.822	8464.457	8452.824	8465.352
11.0	8310.542	8426.873	8450.140	8437.612	8451.929
11.5	8301.593	8417.030	8435.822	8423.294	8431.348
12.0	8284.591	8404.502	8424.189	8404.502	8404.502
12.5	8265.799	8391.974	8408.081	8379.446	8383.025
13.0	8247.007	8377.656	8391.079	8354.390	8359.759
13.5	8227.320	8357.969	8374.077	8332.913	8333.808
14.0	8205.844	8339.177	8356.180	8308.752	8309.647
14.5	8177.208	8320.385	8334.703	8284.591	8289.065
15.0	8156.626	8301.593	8314.121	8260.430	8272.958
15.5	8144.993	8281.012	8289.960	8237.164	8256.850
16.0	8127.991	8257.745	8265.799	8216.582	8237.164
16.5	8110.094	8236.269	8237.164	8196.000	8219.266
17.0	8098.461	8213.897	8212.108	8175.418	8198.685
17.5	8079.669	8192.421	8185.262	8152.152	8178.998
18.0	8058.192	8167.365	8156.626	8130.675	8155.731
18.5	8034.926	8143.203	8131.570	8104.725	8125.306
19.0	8007.185	8119.937	8100.250	8077.879	8096.671
19.5	7976.760	8095.776	8070.720	8051.928	8073.405
20.0	7948.125	8071.615	8042.085	8024.187	8048.349
20.5	7920.384	8045.664	8016.134	7997.342	8023.293
21.0	7893.538	8017.923	7989.288	7972.286	7996.447
21.5	7862.218	7990.183	7961.547	7947.230	7966.917
22.0	7831.793	7962.442	7933.807	7920.384	7937.386
22.5	7805.842	7932.912	7904.277	7892.643	7910.541
23.0	7779.891	7902.487	7871.167	7860.429	7878.326
23.5	7753.940	7868.482	7838.952	7831.793	7849.690
24.0	7721.726	7838.057	7804.052	7803.158	7818.370
24.5	7693.985	7807.632	7768.258	7770.943	7788.840
25.0	7663.560	7770.048	7729.779	7741.412	7754.835
25.5	7628.660	7738.728	7695.775	7708.303	7722.620
26.0	7588.392	7707.408	7662.665	7675.193	7686.826
26.5	7544.544	7666.244	7630.450	7640.294	7651.927

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CANDELA TABULATION - (Cont.)

27.0	7504.275	7625.976	7595.551	7606.289	7617.027
27.5	7464.901	7583.918	7563.336	7572.284	7583.023
28.0	7427.317	7541.859	7528.436	7540.070	7549.018
28.5	7395.103	7499.801	7491.747	7505.170	7512.329
29.0	7359.308	7458.637	7454.163	7464.007	7476.535
29.5	7323.514	7417.474	7416.579	7426.423	7444.320
30.0	7287.720	7371.836	7376.311	7387.049	7406.736
30.5	7251.925	7329.778	7339.621	7346.780	7372.731
31.0	7213.447	7283.245	7302.932	7309.196	7335.147
31.5	7170.493	7237.608	7264.453	7270.717	7297.563
32.0	7125.750	7196.444	7224.185	7231.344	7258.189
32.5	7079.218	7152.596	7185.706	7196.444	7217.026
33.0	7030.896	7109.643	7150.806	7157.965	7179.442
33.5	6984.363	7064.005	7110.538	7118.592	7145.437
34.0	6936.936	7015.683	7066.690	7077.428	7106.064
34.5	6892.193	6968.256	7021.947	7036.265	7064.900
35.0	6851.029	6919.038	6972.730	6995.996	7021.052
35.5	6812.550	6869.821	6916.354	6953.938	6981.678
36.0	6766.018	6817.025	6870.716	6911.880	6940.515
36.5	6717.695	6764.228	6826.868	6868.032	6896.667
37.0	6662.214	6711.431	6778.546	6825.078	6853.714
37.5	6602.259	6659.530	6729.329	6782.125	6808.076
38.0	6544.988	6608.523	6685.481	6737.382	6760.649
38.5	6486.822	6556.621	6643.422	6690.850	6708.747
39.0	6435.815	6504.719	6594.205	6640.738	6660.425
39.5	6387.493	6449.238	6539.619	6587.941	6612.997
40.0	6337.381	6391.072	6485.032	6537.829	6563.780
40.5	6285.479	6332.907	6433.131	6486.822	6517.247
41.0	6237.157	6274.741	6380.334	6431.341	6469.820
41.5	6178.096	6215.680	6323.958	6380.334	6415.234
42.0	6112.772	6157.515	6266.687	6325.748	6359.752
42.5	6042.078	6098.454	6208.522	6271.162	6305.166
43.0	5973.174	6038.499	6153.040	6216.575	6252.370
43.5	5908.744	5974.964	6095.769	6161.094	6200.468
44.0	5851.473	5915.008	6043.868	6107.403	6152.145
44.5	5804.046	5855.948	5988.387	6059.080	6100.244
45.0	5754.829	5793.308	5932.905	6008.968	6040.288
45.5	5701.137	5732.457	5872.950	5949.013	5985.702
46.0	5637.602	5669.817	5805.836	5882.793	5926.641
46.5	5572.278	5604.493	5735.142	5828.207	5870.265
47.0	5503.374	5541.853	5675.186	5771.831	5815.679
47.5	5441.629	5481.897	5615.231	5712.770	5757.513
48.0	5385.253	5423.731	5551.696	5656.394	5697.558
48.5	5329.771	5370.935	5489.056	5600.913	5625.969
49.0	5270.711	5298.451	5429.995	5543.642	5534.694
49.5	5207.176	5221.494	5371.830	5486.371	5429.101
50.0	5127.534	5157.064	5310.979	5424.626	5302.031
50.5	5055.050	5100.688	5245.655	5358.407	5147.220
51.0	4987.041	5033.574	5180.330	5277.870	4969.144
51.5	4927.980	4968.249	5112.321	5179.435	4798.226
52.0	4871.604	4897.555	5047.891	5064.894	4660.418
52.5	4807.175	4829.546	4982.567	4916.347	4529.769
53.0	4732.901	4756.168	4915.452	4746.324	4333.795
53.5	4656.839	4688.159	4851.023	4569.143	4069.812
54.0	4586.145	4626.413	4783.013	4419.701	3768.245
54.5	4527.084	4558.404	4714.109	4290.842	3518.580

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55.0	4468.024	4478.762	4647.890	4129.767	3343.188
55.5	4392.856	4405.384	4579.881	3900.684	3209.854
56.0	4311.424	4346.323	4513.661	3615.224	3080.100
56.5	4243.414	4283.683	4446.547	3349.452	2918.130
57.0	4186.144	4213.884	4375.853	3161.532	2754.371
57.5	4121.714	4136.031	4298.001	3027.303	2618.353
58.0	4047.441	4059.969	4214.779	2918.130	2534.237
58.5	3964.219	3987.485	4112.765	2784.797	2481.440
59.0	3897.105	3916.791	3995.539	2602.246	2437.592
59.5	3831.780	3840.729	3862.205	2451.015	2375.847
60.0	3747.663	3761.086	3704.710	2361.529	2293.520
60.5	3667.126	3693.077	3563.323	2308.732	2188.822
61.0	3594.643	3618.804	3429.989	2263.990	2059.067
61.5	3531.108	3541.846	3275.179	2198.665	1922.154
62.0	3455.045	3460.414	3106.945	2114.548	1785.241
62.5	3361.085	3378.087	2889.495	2004.481	1603.585
63.0	3278.758	3307.393	2644.304	1867.568	1330.653
63.5	3213.433	3237.595	2445.646	1735.129	1110.518
64.0	3133.791	3156.162	2310.522	1602.690	979.869
64.5	3057.728	3084.574	2207.614	1405.821	860.048
65.0	2986.140	3011.196	2088.597	1148.102	677.049
65.5	2891.285	2927.974	1939.156	970.026	586.669
66.0	2810.747	2851.016	1813.876	861.300	566.445
66.5	2740.949	2781.217	1738.708	701.121	557.138
67.0	2664.886	2703.365	1679.648	587.563	548.995
67.5	2585.243	2626.407	1617.902	546.489	540.941
68.0	2502.916	2556.608	1538.260	535.214	533.425
68.5	2431.328	2474.281	1425.508	526.266	526.087
69.0	2361.529	2400.008	1296.649	517.944	518.749
69.5	2283.676	2323.945	1186.581	510.158	511.232
70.0	2207.614	2253.251	1035.350	502.731	503.805
70.5	2134.235	2172.714	841.345	495.125	496.646
71.0	2069.805	2088.597	716.333	488.055	489.487
71.5	1995.532	2000.901	622.015	480.986	481.433
72.0	1921.259	1907.836	514.096	473.022	473.648
72.5	1847.881	1788.820	460.762	465.415	465.326
73.0	1778.977	1664.435	446.892	457.720	456.288
73.5	1710.073	1557.947	437.675	449.487	447.160
74.0	1641.169	1445.195	428.637	440.628	437.138
74.5	1573.160	1321.705	420.136	431.053	427.205
75.0	1497.097	1164.210	411.545	421.299	416.825
75.5	1427.298	1054.142	403.312	411.277	405.997
76.0	1357.499	973.605	395.348	400.896	394.990
76.5	1283.226	885.551	386.757	390.247	383.625
77.0	1208.953	792.128	378.167	379.330	372.350
77.5	1133.784	731.278	368.950	368.323	360.717
78.0	1049.668	657.094	359.375	356.959	349.084
78.5	979.869	564.208	349.084	345.057	337.093
79.0	918.124	492.530	338.704	333.424	325.370
79.5	854.052	388.816	328.055	321.791	313.379
80.0	789.354	334.229	317.048	309.800	301.120
80.5	724.566	283.133	306.041	297.451	289.039
81.0	658.794	265.773	294.587	285.191	278.122
81.5	593.917	254.945	282.596	273.111	267.652
82.0	535.483	243.670	270.068	260.851	253.692
82.5	483.313	232.305	257.540	248.681	241.343

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CANDELA TABULATION - (Cont.)

83.0	427.205	221.209	244.207	236.153	229.352
83.5	372.440	209.665	230.963	223.804	217.092
84.0	319.554	197.853	217.271	210.918	204.475
84.5	270.157	185.325	203.849	197.495	191.321
85.0	221.030	172.708	189.978	182.998	176.913
85.5	195.526	159.285	175.124	167.428	162.148
86.0	167.517	145.414	159.464	151.052	146.130
86.5	126.801	130.918	141.924	133.334	129.933
87.0	105.504	115.795	123.311	114.810	112.305
87.5	92.081	100.045	103.446	96.018	93.334
88.0	78.747	82.774	83.580	75.347	72.036
88.5	64.161	64.161	63.356	52.976	48.859
89.0	46.891	46.264	43.132	34.363	31.588
89.5	29.351	31.052	27.741	23.535	22.819
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-L240-835-HA-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-L240-835-HA-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-L240-835-HA-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3148.33	N.A.	14.00
0-30	6714.85	N.A.	29.80
0-40	11064.69	N.A.	49.10
0-60	19430.37	N.A.	86.20
0-80	22345.67	N.A.	99.10
0-90	22548.66	N.A.	100.00
10-90	21736.8	N.A.	96.40
20-40	7916.36	N.A.	35.10
20-50	12468.19	N.A.	55.30
40-70	10469.96	N.A.	46.40
60-80	2915.31	N.A.	12.90
70-80	811.02	N.A.	3.60
80-90	202.98	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	22548.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	811.86
10-20	2336.47
20-30	3566.52
30-40	4349.84
40-50	4551.83
50-60	3813.85
60-70	2104.29
70-80	811.02
80-90	202.98
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-L240-835-HA-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-L240-835-HA-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

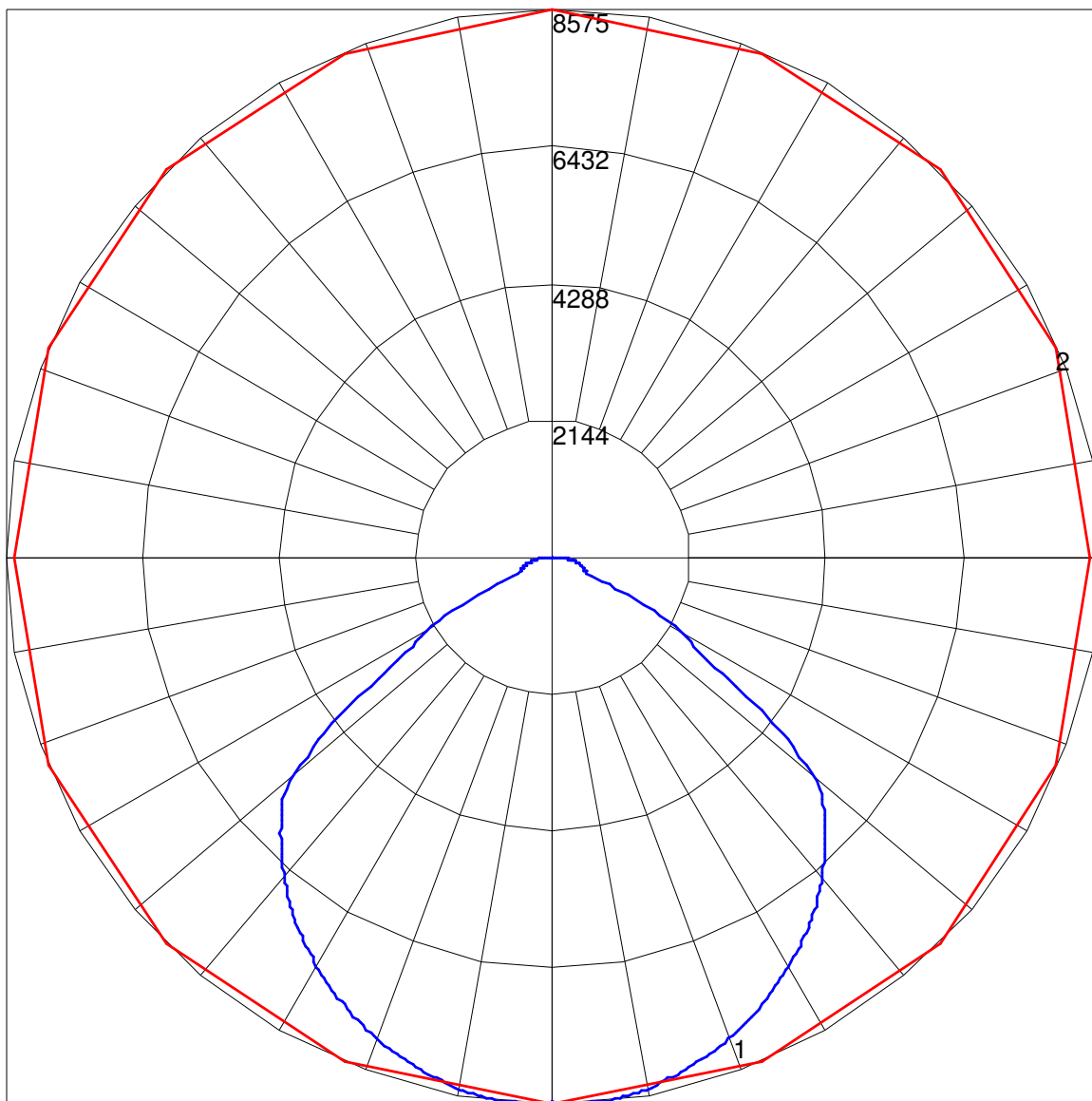
Reflectances

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	25.6	27.2	26.0	27.5	27.8	23.2	24.8	23.6	25.1	25.4
	3H	27.3	28.7	27.7	29.0	29.4	23.3	24.7	23.7	25.1	25.4
	4H	27.8	29.2	28.2	29.5	29.9	23.4	24.7	23.8	25.1	25.5
	6H	28.1	29.3	28.5	29.7	30.1	23.5	24.8	24.0	25.1	25.5
	8H	28.2	29.3	28.6	29.7	30.1	23.6	24.8	24.0	25.2	25.6
	12H	28.2	29.3	28.6	29.7	30.1	23.7	24.8	24.1	25.2	25.6
4H	2H	25.9	27.2	26.3	27.5	27.9	23.8	25.2	24.2	25.5	25.9
	3H	27.7	28.8	28.1	29.2	29.6	24.0	25.1	24.4	25.5	25.9
	4H	28.3	29.3	28.7	29.7	30.1	24.2	25.1	24.6	25.5	26.0
	6H	28.7	29.5	29.1	29.9	30.4	24.3	25.2	24.8	25.6	26.1
	8H	28.7	29.5	29.2	30.0	30.4	24.4	25.2	24.9	25.7	26.1
	12H	28.8	29.5	29.3	30.0	30.4	24.5	25.2	25.0	25.7	26.2
8H	4H	28.3	29.1	28.7	29.5	30.0	24.3	25.1	24.8	25.6	26.0
	6H	28.6	29.3	29.1	29.8	30.2	24.6	25.3	25.1	25.7	26.2
	8H	28.7	29.3	29.2	29.8	30.3	24.7	25.3	25.2	25.8	26.3
	12H	28.8	29.3	29.3	29.8	30.4	24.9	25.4	25.4	25.9	26.5
12H	4H	28.2	29.0	28.7	29.4	29.9	24.4	25.1	24.8	25.5	26.0
	6H	28.6	29.2	29.1	29.7	30.2	24.6	25.2	25.1	25.7	26.2
	8H	28.7	29.2	29.2	29.7	30.3	24.8	25.3	25.3	25.8	26.4

Maximum UGR = 30.4

POLAR GRAPH



Maximum Candela = 8575.42 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.)