



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L240-835-HA-MD-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14629546.02
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2023-03-13
[TEST DATE] 1/5/2023
[MANUFAC] H E Williams Inc
[LUMCAT] GS-2-L240-835-HA-MD-DIM-UNV
[LUMINAIRE] White aluminum housing, prismatic lense enclosure
[LAMP] 448 White LEDs
[BALLAST] ULT D21CC80UNVPW-C
[OTHER] 26 C, 276.949 V, 0.623316 A, 169.009 W, 0.979045 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	21421
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	156
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	40728	39574	34605
55	30755	28843	24366
65	23895	21608	20108
75	23013	18796	20242
85	20574	13954	15505

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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	9684.337	9684.337	9684.337	9684.337	9684.337
0.5	9599.717	9674.935	9703.142	9684.337	9693.739
1.0	9599.717	9674.935	9703.142	9674.935	9693.739
1.5	9599.717	9674.935	9703.142	9674.935	9693.739
2.0	9590.315	9674.935	9693.739	9665.533	9684.337
2.5	9590.315	9665.533	9693.739	9665.533	9674.935
3.0	9580.912	9656.130	9684.337	9656.130	9665.533
3.5	9580.912	9656.130	9674.935	9646.728	9665.533
4.0	9571.510	9646.728	9665.533	9637.326	9656.130
4.5	9562.108	9637.326	9656.130	9627.924	9646.728
5.0	9562.108	9627.924	9656.130	9627.924	9637.326
5.5	9552.705	9618.521	9646.728	9618.521	9627.924
6.0	9543.303	9609.119	9637.326	9609.119	9618.521
6.5	9533.901	9609.119	9627.924	9599.717	9609.119
7.0	9524.499	9590.315	9618.521	9590.315	9599.717
7.5	9505.694	9580.912	9609.119	9580.912	9590.315
8.0	9496.292	9571.510	9599.717	9571.510	9580.912
8.5	9486.890	9562.108	9590.315	9562.108	9562.108
9.0	9468.085	9543.303	9571.510	9552.705	9552.705
9.5	9458.683	9533.901	9562.108	9533.901	9543.303
10.0	9439.878	9524.499	9552.705	9524.499	9524.499
10.5	9421.074	9505.694	9533.901	9505.694	9515.096
11.0	9411.671	9486.890	9515.096	9486.890	9496.292
11.5	9393.807	9468.085	9496.292	9468.085	9477.487
12.0	9376.883	9449.280	9477.487	9449.280	9458.683
12.5	9359.019	9430.476	9458.683	9430.476	9439.878
13.0	9339.274	9411.671	9439.878	9411.671	9421.074
13.5	9316.708	9386.285	9421.074	9388.166	9402.269
14.0	9294.143	9363.720	9391.927	9366.541	9380.644
14.5	9269.697	9340.214	9367.481	9343.975	9359.959
15.0	9244.311	9317.649	9343.035	9319.529	9338.334
15.5	9217.044	9292.263	9316.708	9295.083	9316.708
16.0	9189.778	9265.936	9288.502	9270.637	9292.263
16.5	9161.571	9238.670	9261.235	9245.251	9266.876
17.0	9132.424	9209.523	9232.088	9217.985	9239.610
17.5	9101.397	9178.495	9203.881	9190.718	9211.403
18.0	9069.429	9147.468	9175.674	9161.571	9182.256
18.5	9039.342	9115.500	9145.587	9131.484	9149.348
19.0	9007.374	9083.532	9115.500	9100.456	9118.321
19.5	8976.346	9049.684	9084.472	9068.489	9085.413
20.0	8943.438	9014.896	9048.744	9037.461	9054.385
20.5	8907.710	8977.287	9010.195	9006.434	9019.597
21.0	8871.041	8936.857	8967.884	8973.526	8985.749
21.5	8833.432	8896.427	8932.156	8937.797	8950.020
22.0	8793.942	8855.997	8894.547	8902.068	8914.291
22.5	8751.632	8812.747	8852.236	8863.519	8875.742
23.0	8708.382	8769.496	8808.046	8823.089	8834.372
23.5	8663.251	8725.306	8763.855	8780.779	8793.002
24.0	8615.299	8678.294	8716.844	8736.588	8750.692
24.5	8568.288	8630.343	8670.773	8690.517	8707.441
25.0	8519.396	8582.391	8624.701	8642.566	8662.311
25.5	8467.684	8530.679	8575.810	8592.734	8616.239
26.0	8416.911	8480.847	8526.918	8541.021	8566.407
26.5	8365.199	8427.254	8475.205	8489.309	8515.635

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CANDELA TABULATION - (Cont.)

27.0	8310.666	8374.601	8422.553	8434.776	8462.982
27.5	8255.192	8320.068	8368.020	8379.302	8408.449
28.0	8196.898	8263.654	8311.606	8321.008	8351.095
28.5	8138.604	8205.360	8252.372	8261.774	8290.921
29.0	8072.788	8145.186	8192.197	8199.719	8227.926
29.5	8009.793	8083.131	8130.142	8135.783	8162.110
30.0	7944.917	8019.195	8065.266	8069.027	8093.473
30.5	7877.221	7954.320	7997.570	7998.510	8020.136
31.0	7807.644	7887.564	7928.934	7921.412	7943.037
31.5	7737.127	7819.867	7856.536	7840.552	7861.237
32.0	7666.610	7752.171	7785.079	7766.274	7787.900
32.5	7592.332	7678.833	7709.861	7686.355	7707.040
33.0	7519.935	7605.495	7632.762	7598.914	7593.273
33.5	7443.776	7528.397	7551.903	7510.533	7488.907
34.0	7366.678	7448.478	7470.103	7416.510	7382.662
34.5	7290.519	7367.618	7385.482	7316.846	7272.655
35.0	7208.720	7285.818	7298.041	7214.361	7157.007
35.5	7126.920	7202.138	7206.839	7107.175	7034.778
36.0	7041.359	7114.697	7112.817	6995.288	6909.728
36.5	6953.918	7024.435	7014.093	6877.760	6779.976
37.0	6864.597	6932.293	6913.488	6758.351	6648.344
37.5	6773.395	6838.270	6810.064	6633.301	6513.892
38.0	6678.432	6743.307	6705.698	6508.251	6375.679
38.5	6581.588	6645.524	6597.572	6379.440	6237.465
39.0	6482.865	6546.800	6487.566	6247.808	6095.491
39.5	6381.320	6447.136	6374.738	6115.236	5954.457
40.0	6278.835	6345.591	6260.031	5981.724	5812.483
40.5	6173.530	6243.107	6142.502	5846.331	5668.628
41.0	6067.284	6138.742	6024.974	5711.878	5516.311
41.5	5961.979	6032.496	5905.565	5575.546	5360.234
42.0	5854.793	5925.310	5783.336	5442.033	5230.482
42.5	5747.607	5817.184	5662.987	5317.923	5100.731
43.0	5639.481	5708.118	5542.638	5183.471	4964.398
43.5	5531.355	5597.171	5422.289	5040.556	4826.185
44.0	5423.229	5486.224	5300.999	4911.745	4689.852
44.5	5316.043	5373.397	5179.710	4781.994	4558.220
45.0	5209.797	5259.629	5062.182	4655.063	4426.588
45.5	5101.671	5147.742	4942.773	4530.013	4297.777
46.0	4993.545	5035.855	4825.245	4407.784	4173.667
46.5	4888.240	4923.028	4710.537	4289.315	4053.318
47.0	4781.994	4812.081	4594.889	4172.727	3935.790
47.5	4675.748	4702.075	4482.062	4058.019	3822.963
48.0	4571.383	4592.068	4370.175	3947.073	3713.896
48.5	4467.018	4484.882	4259.228	3838.946	3607.651
49.0	4362.653	4378.637	4151.102	3731.761	3506.106
49.5	4257.347	4272.391	4044.856	3629.276	3408.323
50.0	4153.922	4168.026	3939.551	3528.672	3314.300
50.5	4052.378	4064.601	3835.186	3429.948	3222.158
51.0	3951.774	3963.056	3734.581	3335.925	3133.776
51.5	3850.229	3863.392	3633.977	3238.141	3050.096
52.0	3752.446	3764.669	3537.134	3149.760	2967.356
52.5	3653.722	3667.825	3444.991	3066.080	2888.377
53.0	3556.878	3571.922	3356.610	2983.340	2812.219
53.5	3461.915	3476.959	3259.767	2902.480	2737.941
54.0	3369.773	3383.877	3165.744	2823.501	2666.484
54.5	3279.511	3292.675	3077.363	2747.343	2596.907

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CANDELA TABULATION - (Cont.)

55.0	3191.130	3202.413	2992.742	2673.065	2528.270
55.5	3102.749	3113.091	2909.062	2600.668	2462.454
56.0	3019.069	3026.590	2827.262	2530.151	2398.519
56.5	2936.329	2941.030	2747.343	2462.454	2336.464
57.0	2854.529	2857.350	2669.304	2395.698	2275.349
57.5	2776.490	2775.550	2593.146	2330.823	2216.115
58.0	2701.272	2696.571	2518.868	2267.827	2158.761
58.5	2626.994	2618.532	2445.530	2206.713	2103.288
59.0	2554.597	2543.314	2374.073	2146.538	2049.695
59.5	2483.139	2469.036	2304.496	2088.244	1997.042
60.0	2415.443	2396.638	2236.800	2032.771	1947.210
60.5	2348.687	2328.002	2170.984	1977.297	1899.258
61.0	2283.811	2260.305	2106.108	1924.644	1851.307
61.5	2219.876	2194.490	2043.113	1872.932	1806.176
62.0	2158.761	2131.494	1981.998	1824.040	1762.925
62.5	2099.527	2070.380	1922.764	1776.089	1721.555
63.0	2041.233	2013.026	1864.470	1729.077	1682.066
63.5	1981.998	1958.493	1808.997	1683.946	1643.517
64.0	1914.302	1896.438	1755.404	1640.696	1606.848
64.5	1871.052	1843.785	1702.751	1599.326	1571.119
65.0	1826.861	1793.013	1651.979	1558.896	1537.271
65.5	1777.029	1743.181	1603.087	1520.347	1504.363
66.0	1730.958	1688.648	1556.076	1481.798	1472.395
66.5	1684.887	1640.696	1510.004	1445.129	1441.368
67.0	1641.636	1594.625	1464.874	1409.400	1411.281
67.5	1599.326	1549.494	1422.563	1374.612	1381.193
68.0	1558.896	1506.244	1381.193	1340.764	1352.046
68.5	1519.407	1463.933	1340.764	1307.856	1322.899
69.0	1481.798	1422.563	1301.274	1274.948	1294.692
69.5	1446.069	1382.134	1263.665	1242.980	1266.486
70.0	1410.340	1342.644	1226.056	1211.952	1239.219
70.5	1375.552	1304.095	1190.327	1179.985	1211.012
71.0	1341.704	1266.486	1153.658	1148.957	1183.746
71.5	1307.856	1228.877	1118.870	1117.930	1155.539
72.0	1275.888	1191.267	1084.082	1086.902	1127.332
72.5	1242.980	1154.599	1046.473	1054.935	1098.185
73.0	1211.012	1117.930	1012.624	1023.907	1069.038
73.5	1179.985	1081.261	980.657	990.999	1039.891
74.0	1148.957	1044.592	946.809	959.031	1009.804
74.5	1111.348	1007.923	912.020	926.124	978.776
75.0	1077.500	971.254	880.052	893.216	947.749
75.5	1042.712	935.526	848.085	859.367	914.841
76.0	1006.983	898.857	809.535	826.459	882.873
76.5	971.254	862.188	774.747	792.611	849.025
77.0	934.586	826.459	739.959	758.763	815.177
77.5	897.917	789.791	705.170	724.915	780.388
78.0	859.367	754.062	671.322	690.127	744.660
78.5	819.878	717.393	636.534	656.278	708.931
79.0	781.329	681.665	602.685	622.430	672.262
79.5	742.779	644.996	566.957	587.642	635.593
80.0	703.290	609.267	533.109	553.794	598.925
80.5	663.800	573.538	499.260	519.945	561.315
81.0	624.311	537.810	465.412	486.097	524.647
81.5	585.761	503.021	431.564	453.189	487.038
82.0	547.212	469.173	398.656	420.281	450.369
82.5	508.663	434.385	365.748	388.314	414.640

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CANDELA TABULATION - (Cont.)

83.0	471.054	397.716	334.721	356.346	378.911
83.5	433.445	367.629	304.634	325.319	345.063
84.0	396.776	338.482	274.546	294.291	310.275
84.5	360.107	305.574	246.339	265.144	277.367
85.0	324.378	276.427	220.013	235.997	244.459
85.5	289.590	248.220	193.687	208.730	214.372
86.0	253.861	219.073	169.241	182.404	183.344
86.5	220.013	190.866	146.675	154.197	156.078
87.0	186.165	162.659	124.110	127.871	128.811
87.5	153.257	134.452	102.485	103.425	103.425
88.0	120.349	109.066	82.740	80.860	80.860
88.5	88.381	86.501	64.876	62.055	59.234
89.0	62.055	66.756	49.832	46.071	43.250
89.5	42.310	49.832	35.729	32.908	32.908
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-MD-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-MD-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-MD-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3544.91	N.A.	16.50
0-30	7504.68	N.A.	35.00
0-40	11999.51	N.A.	56.00
0-60	18463.86	N.A.	86.20
0-80	21127.9	N.A.	98.60
0-90	21421.15	N.A.	100.00
10-90	20505.56	N.A.	95.70
20-40	8454.6	N.A.	39.50
20-50	12274.91	N.A.	57.30
40-70	8141.22	N.A.	38.00
60-80	2664.04	N.A.	12.40
70-80	987.17	N.A.	4.60
80-90	293.25	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	21421.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	915.58
10-20	2629.33
20-30	3959.77
30-40	4494.83
40-50	3820.32
50-60	2644.04
60-70	1676.87
70-80	987.17
80-90	293.25
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-MD-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-L240-835-HA-MD-DIM-UNV_.IES

UGR TABLE - CORRECTED

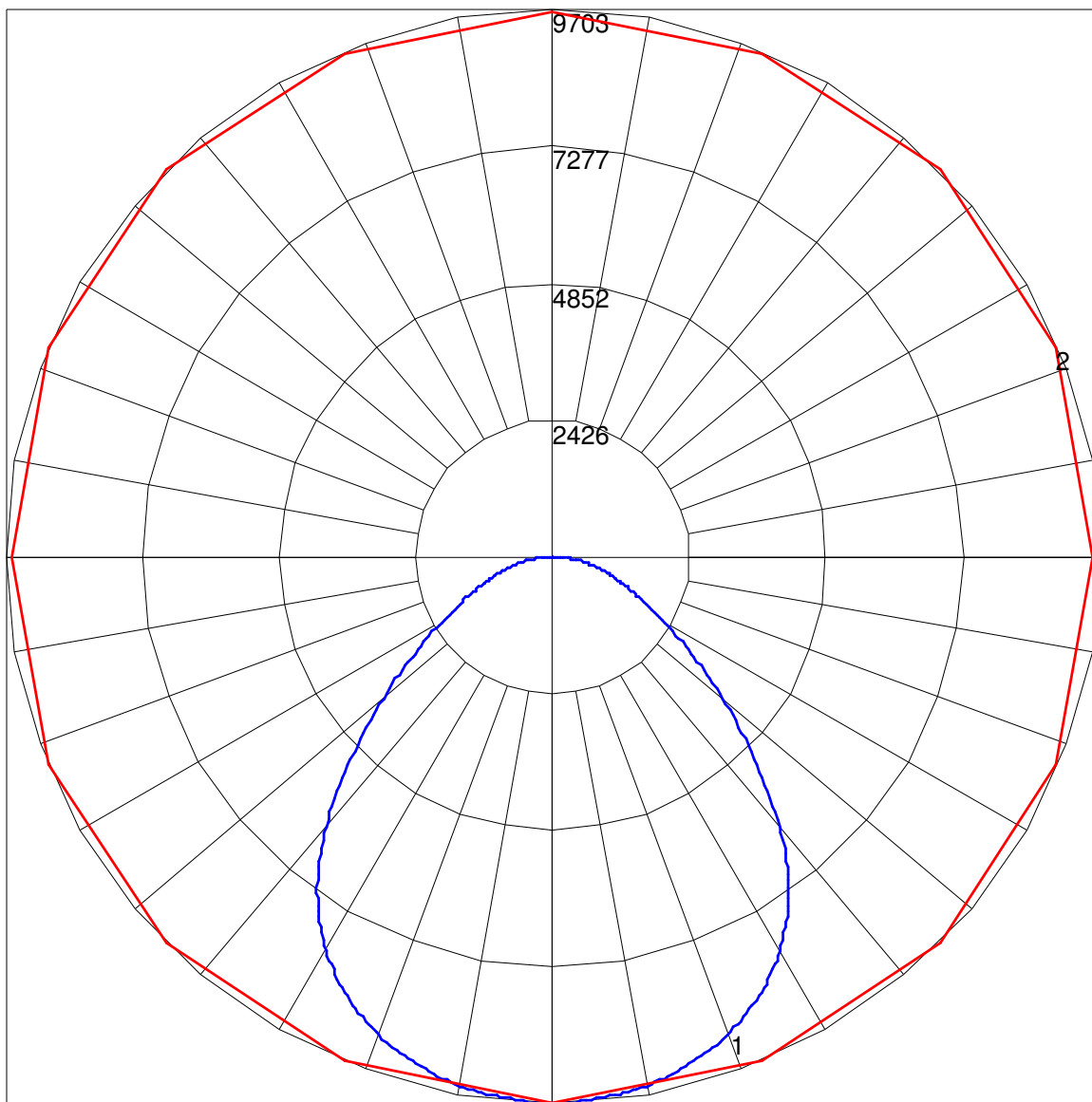
Reflectances

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	23.2	24.7	23.5	25.0	25.3	21.9	23.4	22.3	23.7	24.0
	3H	24.6	25.9	25.0	26.3	26.6	23.5	24.8	23.8	25.1	25.5
	4H	25.2	26.5	25.6	26.8	27.2	24.2	25.4	24.6	25.8	26.2
	6H	25.8	27.0	26.2	27.3	27.7	24.8	25.9	25.2	26.3	26.7
	8H	26.0	27.1	26.4	27.5	27.9	24.9	26.0	25.4	26.4	26.8
	12H	26.1	27.2	26.6	27.6	28.0	25.1	26.1	25.5	26.5	26.9
4H	2H	23.5	24.8	23.9	25.1	25.5	22.5	23.7	22.9	24.1	24.5
	3H	25.2	26.2	25.6	26.6	27.0	24.3	25.3	24.7	25.7	26.1
	4H	26.0	26.9	26.4	27.3	27.8	25.1	26.0	25.5	26.5	26.9
	6H	26.7	27.5	27.1	27.9	28.4	25.8	26.6	26.3	27.1	27.5
	8H	26.9	27.7	27.4	28.1	28.6	26.0	26.8	26.5	27.3	27.7
	12H	27.1	27.8	27.6	28.3	28.8	26.2	26.9	26.7	27.4	27.8
8H	4H	26.2	27.0	26.6	27.4	27.9	25.4	26.2	25.9	26.6	27.1
	6H	27.0	27.6	27.5	28.1	28.6	26.2	26.9	26.7	27.3	27.8
	8H	27.3	27.9	27.8	28.4	28.9	26.5	27.1	27.0	27.6	28.1
	12H	27.6	28.1	28.1	28.6	29.2	26.7	27.3	27.3	27.8	28.3
12H	4H	26.2	26.9	26.7	27.4	27.8	25.4	26.1	25.9	26.6	27.1
	6H	27.0	27.6	27.6	28.1	28.6	26.3	26.9	26.8	27.3	27.9
	8H	27.4	27.9	27.9	28.4	29.0	26.6	27.1	27.1	27.6	28.2

Maximum UGR = 29.2

POLAR GRAPH



Maximum Candela = 9703.142 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.)