



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L240-850-HA-HE-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-L240-850-HA-HE-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	24901
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	160
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	49682	51220	52147
55	47553	49468	35582
65	43134	30169	9780
75	35311	9707	9831
85	15481	13307	12391

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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	9439.457	9439.457	9439.457	9439.457	9439.457
0.5	9322.848	9445.387	9466.139	9451.316	9470.092
1.0	9325.812	9446.375	9467.127	9451.316	9469.104
1.5	9329.765	9445.387	9468.116	9448.351	9466.139
2.0	9328.777	9447.363	9466.139	9449.339	9467.127
2.5	9326.800	9445.387	9467.127	9447.363	9464.163
3.0	9325.812	9441.434	9465.151	9448.351	9466.139
3.5	9322.848	9435.504	9464.163	9448.351	9466.139
4.0	9315.930	9432.540	9461.198	9452.304	9468.116
4.5	9307.036	9426.610	9457.245	9454.281	9470.092
5.0	9295.177	9419.693	9454.281	9452.304	9467.127
5.5	9286.284	9413.764	9450.328	9449.339	9463.175
6.0	9279.366	9407.834	9445.387	9442.422	9455.269
6.5	9269.484	9398.940	9440.446	9435.504	9444.398
7.0	9256.637	9389.058	9430.563	9425.622	9431.552
7.5	9245.767	9380.164	9421.669	9412.775	9417.716
8.0	9235.884	9369.294	9408.823	9398.940	9404.870
8.5	9230.943	9357.435	9396.964	9385.105	9394.987
9.0	9223.038	9344.588	9384.117	9371.270	9383.129
9.5	9212.167	9334.706	9373.247	9361.388	9374.235
10.0	9200.309	9325.812	9361.388	9349.529	9362.376
10.5	9189.438	9315.930	9347.553	9334.706	9348.541
11.0	9177.580	9306.048	9331.742	9317.906	9333.718
11.5	9167.697	9295.177	9315.930	9302.095	9310.989
12.0	9148.921	9281.342	9303.083	9281.342	9281.342
12.5	9128.169	9267.507	9285.295	9253.672	9257.625
13.0	9107.416	9251.696	9266.519	9226.002	9231.932
13.5	9085.675	9229.955	9247.743	9202.285	9203.273
14.0	9061.958	9209.203	9227.979	9175.603	9176.591
14.5	9030.335	9188.450	9204.261	9148.921	9153.862
15.0	9007.606	9167.697	9181.532	9122.239	9136.074
15.5	8994.759	9144.968	9154.851	9096.546	9118.286
16.0	8975.983	9119.275	9128.169	9073.817	9096.546
16.5	8956.219	9095.557	9096.546	9051.088	9076.781
17.0	8943.372	9070.852	9068.876	9028.359	9054.052
17.5	8922.619	9047.135	9039.229	9002.665	9032.312
18.0	8898.902	9019.465	9007.606	8978.948	9006.618
18.5	8873.208	8992.783	8979.936	8950.289	8973.018
19.0	8842.574	8967.089	8945.348	8920.643	8941.395
19.5	8808.974	8940.407	8912.737	8891.985	8915.702
20.0	8777.351	8913.725	8881.114	8861.350	8888.032
20.5	8746.717	8885.067	8852.456	8831.703	8860.362
21.0	8717.070	8854.432	8822.809	8804.033	8830.715
21.5	8682.482	8823.798	8792.175	8776.363	8798.104
22.0	8648.883	8793.163	8761.540	8746.717	8765.493
22.5	8620.225	8760.552	8728.929	8716.082	8735.846
23.0	8591.566	8726.952	8692.365	8680.506	8700.270
23.5	8562.908	8689.400	8656.789	8648.883	8668.647
24.0	8527.332	8655.801	8618.248	8617.260	8634.060
24.5	8496.697	8622.201	8578.720	8581.684	8601.449
25.0	8463.098	8580.696	8536.226	8549.073	8563.896
25.5	8424.558	8546.108	8498.674	8512.509	8528.320
26.0	8380.088	8511.521	8462.110	8475.945	8488.792
26.5	8331.665	8466.063	8426.534	8437.404	8450.251

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CANDELA TABULATION - (Cont.)

27.0	8287.195	8421.593	8387.993	8399.852	8411.711
27.5	8243.714	8375.147	8352.418	8362.300	8374.158
28.0	8202.208	8328.700	8313.877	8326.724	8336.606
28.5	8166.633	8282.254	8273.360	8288.183	8296.089
29.0	8127.104	8236.796	8231.855	8242.725	8256.560
29.5	8087.575	8191.338	8190.350	8201.220	8220.985
30.0	8048.046	8140.939	8145.880	8157.739	8179.479
30.5	8008.518	8094.493	8105.363	8113.269	8141.927
31.0	7966.024	8043.105	8064.846	8071.764	8100.422
31.5	7918.590	7992.706	8022.353	8029.270	8058.917
32.0	7869.179	7947.248	7977.883	7985.789	8015.435
32.5	7817.792	7898.826	7935.390	7947.248	7969.977
33.0	7764.428	7851.391	7896.849	7904.755	7928.472
33.5	7713.041	7800.992	7852.379	7861.273	7890.920
34.0	7660.665	7747.628	7803.957	7815.815	7847.438
34.5	7611.254	7695.253	7754.546	7770.357	7801.980
35.0	7565.796	7640.901	7700.194	7725.887	7753.558
35.5	7523.303	7586.549	7637.936	7679.441	7710.076
36.0	7471.915	7528.244	7587.537	7632.995	7664.618
36.5	7418.552	7469.939	7539.114	7584.572	7616.195
37.0	7357.282	7411.634	7485.751	7537.138	7568.761
37.5	7291.072	7354.318	7431.399	7489.703	7518.362
38.0	7227.826	7297.989	7382.976	7440.292	7465.986
38.5	7163.591	7240.672	7336.530	7388.905	7408.670
39.0	7107.263	7183.356	7282.178	7333.565	7355.306
39.5	7053.899	7122.086	7221.896	7275.260	7302.930
40.0	6998.559	7057.852	7161.615	7219.920	7248.578
40.5	6941.242	6993.618	7104.298	7163.591	7197.191
41.0	6887.879	6929.384	7045.994	7102.322	7144.815
41.5	6822.656	6864.161	6983.736	7045.994	7084.534
42.0	6750.516	6799.927	6920.490	6985.712	7023.265
42.5	6672.447	6734.705	6856.256	6925.431	6962.983
43.0	6596.354	6668.494	6794.986	6865.150	6904.678
43.5	6525.203	6598.331	6731.740	6803.880	6847.362
44.0	6461.957	6532.120	6674.424	6744.587	6793.998
44.5	6409.581	6466.898	6613.154	6691.223	6736.681
45.0	6355.229	6397.723	6551.885	6635.883	6670.471
45.5	6295.936	6330.524	6485.674	6569.673	6610.189
46.0	6225.773	6261.349	6411.558	6496.544	6544.967
46.5	6153.633	6189.209	6333.488	6436.263	6482.709
47.0	6077.540	6120.033	6267.278	6374.005	6422.428
47.5	6009.353	6053.823	6201.067	6308.783	6358.194
48.0	5947.095	5989.589	6130.904	6246.525	6291.983
48.5	5885.826	5931.284	6061.729	6185.256	6212.926
49.0	5820.603	5851.238	5996.506	6122.010	6112.128
49.5	5750.440	5766.251	5932.272	6058.764	5995.518
50.0	5662.489	5695.100	5865.073	5990.577	5855.191
50.5	5582.443	5632.842	5792.933	5917.449	5684.229
51.0	5507.338	5558.726	5720.793	5828.509	5487.574
51.5	5442.116	5486.586	5645.689	5719.805	5298.824
52.0	5379.858	5408.517	5574.537	5593.313	5146.639
52.5	5308.707	5333.412	5502.397	5429.269	5002.359
53.0	5226.684	5252.378	5428.281	5241.508	4785.939
53.5	5142.686	5177.274	5357.129	5045.841	4494.415
54.0	5064.617	5109.086	5282.025	4880.808	4161.386
54.5	4999.394	5033.982	5205.932	4738.505	3885.673

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CANDELA TABULATION - (Cont.)

55.0	4934.172	4946.031	5132.804	4560.626	3691.982
55.5	4851.162	4864.997	5057.699	4307.642	3544.738
56.0	4761.234	4799.774	4984.571	3992.400	3401.446
56.5	4686.129	4730.599	4910.455	3698.900	3222.579
57.0	4622.883	4653.518	4832.385	3491.374	3041.735
57.5	4551.732	4567.543	4746.411	3343.141	2891.526
58.0	4469.710	4483.545	4654.506	3222.579	2798.633
58.5	4377.805	4403.499	4541.849	3075.334	2740.328
59.0	4303.689	4325.430	4412.393	2873.738	2691.906
59.5	4231.549	4241.431	4265.148	2706.729	2623.718
60.0	4138.657	4153.480	4091.222	2607.907	2532.802
60.5	4049.717	4078.375	3935.084	2549.602	2417.181
61.0	3969.671	3996.353	3787.839	2500.191	2273.889
61.5	3899.508	3911.366	3616.877	2428.051	2122.692
62.0	3815.509	3821.439	3431.093	2335.159	1971.495
62.5	3711.746	3730.523	3190.956	2213.608	1770.886
63.0	3620.830	3652.453	2920.184	2062.411	1469.480
63.5	3548.690	3575.372	2700.799	1916.154	1226.378
64.0	3460.739	3485.444	2551.579	1769.898	1082.099
64.5	3376.741	3406.387	2437.934	1552.490	949.776
65.0	3297.683	3325.353	2306.501	1267.884	747.686
65.5	3192.932	3233.449	2141.468	1071.228	647.876
66.0	3103.992	3148.462	2003.118	951.160	625.542
66.5	3026.911	3071.381	1920.107	774.269	615.264
67.0	2942.913	2985.406	1854.885	648.864	606.272
67.5	2854.961	2900.420	1786.698	603.505	597.378
68.0	2764.045	2823.339	1698.747	591.053	589.077
68.5	2684.988	2732.422	1574.231	581.171	580.973
69.0	2607.907	2650.400	1431.928	571.981	572.870
69.5	2521.932	2566.402	1310.377	563.383	564.569
70.0	2437.934	2488.333	1143.368	555.181	556.367
70.5	2356.900	2399.393	929.122	546.781	548.461
71.0	2285.748	2306.501	791.068	538.974	540.555
71.5	2203.726	2209.655	686.910	531.167	531.661
72.0	2121.704	2106.881	567.731	522.372	523.064
72.5	2040.670	1975.448	508.833	513.972	513.873
73.0	1964.577	1838.085	493.516	505.473	503.892
73.5	1888.484	1720.487	483.337	496.382	493.812
74.0	1812.392	1595.972	473.356	486.598	482.744
74.5	1737.287	1459.598	463.968	476.025	471.775
75.0	1653.289	1285.671	454.481	465.253	460.312
75.5	1576.208	1164.121	445.390	454.185	448.354
76.0	1499.127	1075.181	436.595	442.722	436.199
76.5	1417.104	977.940	427.108	430.962	423.649
77.0	1335.082	874.770	417.621	418.906	411.197
77.5	1252.072	807.572	407.442	406.750	398.351
78.0	1159.180	725.648	396.868	394.200	385.504
78.5	1082.099	623.071	385.504	381.057	372.262
79.0	1013.912	543.915	374.040	368.210	359.316
79.5	943.155	429.381	362.281	355.363	346.074
80.0	871.707	369.099	350.126	342.121	332.535
80.5	800.160	312.672	337.971	328.484	319.194
81.0	727.526	293.501	325.321	314.945	307.138
81.5	655.880	281.543	312.079	301.604	295.576
82.0	591.350	269.092	298.244	288.066	280.160
82.5	533.736	256.541	284.409	274.626	266.522

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CANDELA TABULATION - (Cont.)

83.0	471.775	244.287	269.685	260.791	253.280
83.5	411.296	231.539	255.059	247.153	239.742
84.0	352.893	218.495	239.939	232.923	225.808
84.5	298.343	204.660	225.116	218.100	211.281
85.0	244.090	190.726	209.799	202.091	195.371
85.5	215.926	175.903	193.394	184.896	179.065
86.0	184.994	160.585	176.100	166.811	161.376
86.5	140.030	144.576	156.731	147.244	143.489
87.0	116.511	127.875	136.176	126.788	124.021
87.5	101.688	110.483	114.238	106.036	103.071
88.0	86.963	91.410	92.300	83.208	79.552
88.5	70.855	70.855	69.966	58.502	53.957
89.0	51.783	51.091	47.632	37.948	34.884
89.5	32.414	34.291	30.635	25.990	25.200
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-L240-850-HA-HE-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-L240-850-HA-HE-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-L240-850-HA-HE-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3476.79	N.A.	14.00
0-30	7415.41	N.A.	29.80
0-40	12219.07	N.A.	49.10
0-60	21457.54	N.A.	86.20
0-80	24677.00	N.A.	99.10
0-90	24901.15	N.A.	100.00
10-90	24004.6	N.A.	96.40
20-40	8742.28	N.A.	35.10
20-50	13768.99	N.A.	55.30
40-70	11562.29	N.A.	46.40
60-80	3219.46	N.A.	12.90
70-80	895.63	N.A.	3.60
80-90	224.16	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	24901.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	896.56
10-20	2580.24
20-30	3938.61
30-40	4803.66
40-50	5026.72
50-60	4211.75
60-70	2323.83
70-80	895.63
80-90	224.16
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-L240-850-HA-HE-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-L240-850-HA-HE-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	26.0	27.6	26.4	27.9	28.2	23.6	25.2	24.0	25.5	25.8
	3H	27.7	29.1	28.1	29.4	29.8	23.7	25.1	24.1	25.5	25.8
	4H	28.2	29.6	28.6	29.9	30.3	23.8	25.1	24.2	25.5	25.9
	6H	28.5	29.7	28.9	30.1	30.5	23.9	25.2	24.4	25.5	25.9
	8H	28.6	29.7	29.0	30.1	30.5	24.0	25.2	24.4	25.6	26.0
	12H	28.6	29.7	29.0	30.1	30.5	24.1	25.2	24.5	25.6	26.0

UGR Viewed Endwise

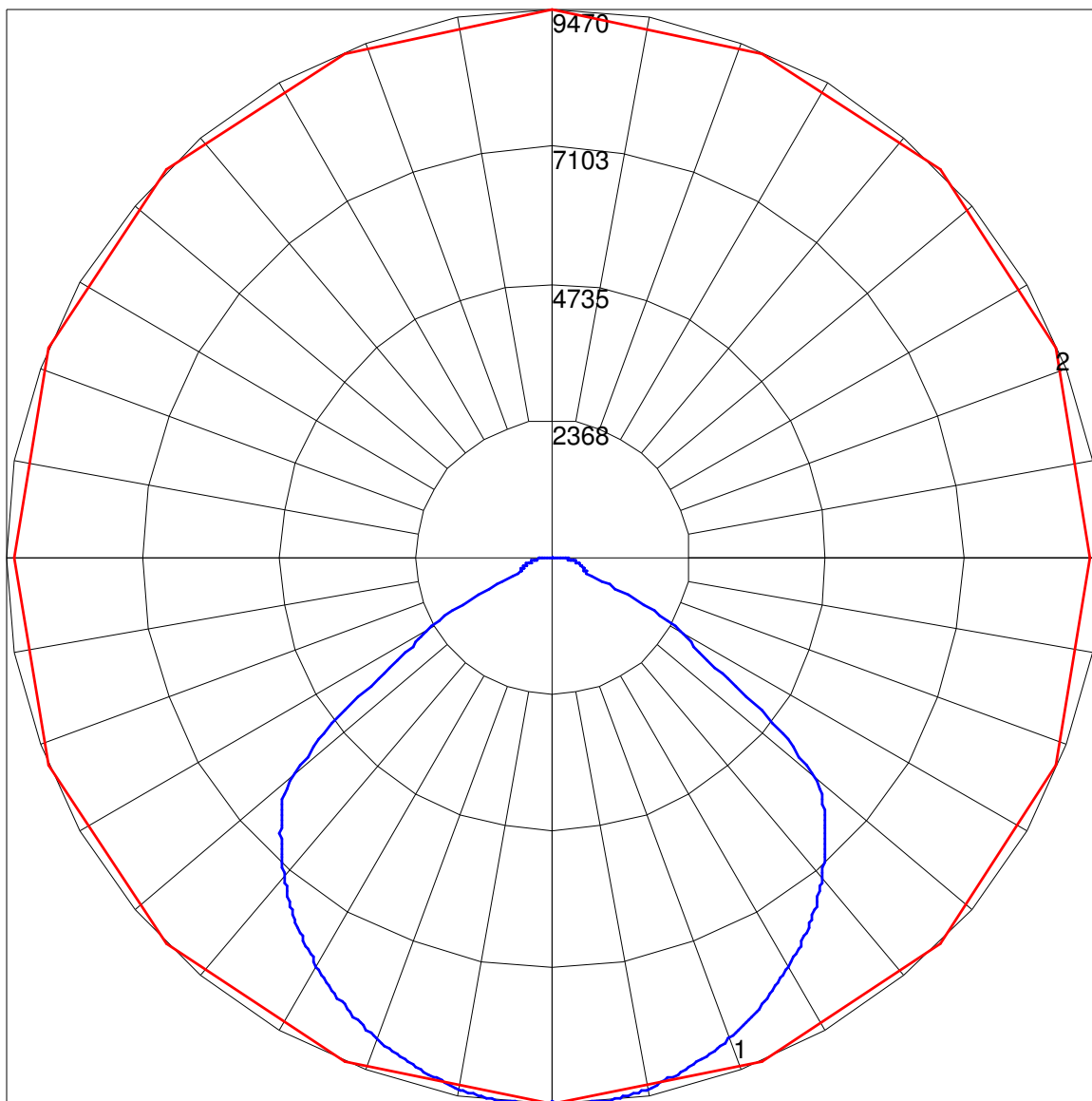
4H	2H	26.3	27.6	26.7	27.9	28.3	24.2	25.6	24.6	25.9	26.3
	3H	28.1	29.2	28.5	29.6	30.0	24.4	25.5	24.8	25.9	26.3
	4H	28.7	29.7	29.1	30.1	30.5	24.6	25.5	25.0	25.9	26.4
	6H	29.1	29.9	29.5	30.3	30.8	24.8	25.6	25.2	26.0	26.5
	8H	29.1	29.9	29.6	30.4	30.8	24.8	25.6	25.3	26.1	26.5
	12H	29.2	29.9	29.7	30.4	30.8	24.9	25.6	25.4	26.1	26.6

8H	4H	28.7	29.5	29.1	29.9	30.4	24.7	25.5	25.2	26.0	26.4
	6H	29.0	29.7	29.5	30.2	30.6	25.0	25.7	25.5	26.1	26.6
	8H	29.1	29.7	29.6	30.2	30.7	25.1	25.7	25.6	26.2	26.7
	12H	29.2	29.7	29.7	30.2	30.8	25.3	25.8	25.8	26.3	26.9

12H	4H	28.6	29.4	29.1	29.8	30.3	24.8	25.5	25.2	25.9	26.4
	6H	29.0	29.6	29.5	30.1	30.6	25.0	25.6	25.5	26.1	26.6
	8H	29.1	29.6	29.6	30.1	30.7	25.2	25.7	25.7	26.2	26.8

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 9470.092 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.)