



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L240-850-HA-ND-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14629546.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2023-03-13
[TEST DATE] 1/5/2023
[MANUFAC] H E Williams Inc
[LUMCAT] GS-2-L240-850-HA-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	22986
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	156
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	41471	40823	41096
55	38202	37798	37096
65	34113	33799	31004
75	28512	27168	22114
85	21025	16719	13615

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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	10114.443	10114.443	10114.443	10114.443	10114.443
0.5	10024.581	10114.443	10134.412	10114.443	10134.412
1.0	10014.596	10104.458	10134.412	10104.458	10134.412
1.5	10014.596	10104.458	10124.427	10104.458	10124.427
2.0	10004.612	10094.473	10114.443	10094.473	10114.443
2.5	10004.612	10084.489	10114.443	10084.489	10104.458
3.0	9994.627	10074.504	10104.458	10074.504	10094.473
3.5	9978.651	10064.519	10084.489	10054.535	10064.519
4.0	9967.668	10054.535	10074.504	10044.550	10064.519
4.5	9955.687	10044.550	10064.519	10024.581	10044.550
5.0	9941.708	10024.581	10054.535	10014.596	10024.581
5.5	9924.734	10014.596	10034.565	9994.627	10004.612
6.0	9905.764	9994.627	10014.596	9972.661	9994.627
6.5	9885.794	9970.664	9994.627	9949.696	9967.668
7.0	9861.831	9946.701	9967.668	9926.731	9943.705
7.5	9832.876	9919.742	9938.713	9898.774	9918.744
8.0	9806.916	9890.787	9908.759	9869.819	9889.788
8.5	9777.960	9858.836	9876.808	9839.865	9859.834
9.0	9745.011	9824.888	9841.862	9807.914	9827.883
9.5	9710.065	9787.945	9807.914	9773.966	9792.937
10.0	9670.126	9750.003	9768.974	9739.020	9756.992
10.5	9630.187	9708.068	9730.034	9701.078	9717.054
11.0	9587.254	9666.132	9688.098	9661.140	9674.120
11.5	9543.321	9622.200	9646.163	9619.204	9633.183
12.0	9497.392	9576.270	9599.235	9574.273	9586.255
12.5	9452.461	9527.346	9551.309	9529.343	9539.327
13.0	9406.531	9478.421	9500.387	9479.419	9490.402
13.5	9357.607	9427.499	9448.467	9424.504	9437.484
14.0	9305.687	9372.584	9395.548	9366.593	9385.564
14.5	9252.768	9316.670	9340.633	9315.671	9329.650
15.0	9196.854	9261.754	9283.720	9260.756	9273.736
15.5	9138.943	9204.842	9225.809	9200.848	9216.823
16.0	9081.032	9145.932	9163.905	9139.942	9155.917
16.5	9019.127	9088.021	9102.998	9080.034	9092.015
17.0	8955.226	9027.115	9047.084	9017.130	9027.115
17.5	8891.324	8965.210	8982.184	8953.229	8961.216
18.0	8828.421	8901.309	8915.287	8888.329	8895.318
18.5	8762.522	8838.405	8851.385	8822.430	8827.422
19.0	8697.622	8774.504	8785.487	8755.533	8758.528
19.5	8631.723	8709.603	8720.587	8686.639	8691.631
20.0	8566.823	8642.706	8653.689	8618.743	8624.734
20.5	8500.924	8576.808	8586.792	8549.849	8555.840
21.0	8433.029	8510.909	8520.894	8480.955	8487.944
21.5	8369.127	8443.014	8452.998	8412.061	8418.052
22.0	8301.232	8377.115	8385.103	8343.167	8350.156
22.5	8236.331	8311.216	8316.209	8274.273	8281.262
23.0	8170.433	8243.321	8246.316	8203.382	8209.373
23.5	8104.534	8176.424	8174.427	8130.494	8137.483
24.0	8039.634	8111.523	8102.537	8057.606	8066.592
24.5	7978.728	8042.629	8027.652	7984.718	7993.705
25.0	7913.827	7974.734	7953.766	7911.831	7923.812
25.5	7846.930	7905.840	7879.880	7840.940	7852.921
26.0	7782.030	7836.946	7805.993	7770.049	7785.026
26.5	7717.130	7767.053	7732.107	7698.159	7716.132

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CANDELA TABULATION - (Cont.)

27.0	7652.230	7704.150	7658.221	7627.268	7648.236
27.5	7586.331	7644.242	7585.333	7555.379	7580.340
28.0	7520.433	7564.365	7513.443	7484.488	7512.445
28.5	7455.532	7495.471	7441.554	7414.595	7445.548
29.0	7383.643	7433.566	7370.663	7344.703	7378.651
29.5	7317.744	7362.675	7300.770	7276.807	7311.754
30.0	7251.846	7291.784	7231.876	7208.912	7241.861
30.5	7187.944	7224.887	7163.981	7143.013	7173.965
31.0	7123.044	7157.990	7095.087	7077.114	7106.070
31.5	7060.141	7091.093	7026.193	7010.217	7037.176
32.0	6998.236	7024.196	6958.297	6944.319	6969.280
32.5	6935.333	6959.296	6890.402	6879.419	6903.382
33.0	6873.428	6893.397	6822.506	6812.521	6837.483
33.5	6812.521	6829.495	6754.610	6746.623	6773.581
34.0	6750.617	6763.597	6687.713	6679.726	6709.680
34.5	6688.712	6697.698	6612.829	6611.830	6644.779
35.0	6625.809	6632.798	6547.928	6543.935	6579.879
35.5	6563.904	6567.898	6484.027	6476.039	6514.979
36.0	6501.001	6502.998	6416.131	6409.142	6449.080
36.5	6438.097	6436.100	6349.234	6341.246	6384.180
37.0	6376.193	6370.202	6282.337	6273.351	6317.283
37.5	6322.275	6302.306	6213.443	6205.455	6251.385
38.0	6262.368	6235.409	6146.546	6137.560	6185.486
38.5	6181.492	6167.514	6079.649	6070.662	6120.586
39.0	6114.595	6098.619	6015.747	6003.765	6054.687
39.5	6047.698	6030.724	5952.844	5936.868	5987.790
40.0	5978.804	5961.830	5880.954	5869.971	5920.893
40.5	5910.908	5893.934	5811.062	5803.074	5853.996
41.0	5843.013	5827.037	5745.163	5736.177	5787.099
41.5	5775.117	5758.143	5679.265	5668.281	5719.203
42.0	5706.223	5690.248	5612.367	5600.386	5651.308
42.5	5639.326	5622.352	5547.467	5532.490	5585.409
43.0	5571.430	5554.456	5482.567	5465.593	5520.509
43.5	5504.533	5486.561	5416.668	5396.699	5454.610
44.0	5437.636	5419.664	5352.767	5328.804	5387.713
44.5	5370.739	5348.773	5286.868	5261.906	5322.813
45.0	5304.840	5276.883	5221.968	5194.011	5256.914
45.5	5238.942	5212.982	5157.068	5126.115	5188.020
46.0	5172.045	5146.085	5092.168	5058.220	5121.123
46.5	5108.143	5072.198	5026.269	4990.324	5052.229
47.0	5042.244	5010.293	4961.369	4922.429	4983.335
47.5	4975.347	4947.390	4895.470	4855.532	4914.441
48.0	4909.449	4880.493	4830.570	4787.636	4843.550
48.5	4843.550	4812.598	4764.671	4720.739	4773.657
49.0	4777.651	4745.700	4699.771	4652.843	4704.763
49.5	4711.753	4678.803	4634.871	4587.943	4633.872
50.0	4644.856	4610.908	4569.971	4522.044	4563.980
50.5	4577.958	4543.012	4506.069	4453.150	4494.087
51.0	4510.063	4476.115	4441.169	4385.255	4423.197
51.5	4443.166	4409.218	4377.267	4320.355	4353.304
52.0	4375.270	4343.319	4312.367	4253.458	4281.415
52.5	4305.378	4276.422	4248.465	4186.561	4209.525
53.0	4236.484	4209.525	4183.565	4120.662	4137.636
53.5	4168.588	4142.628	4118.665	4054.763	4065.746
54.0	4100.693	4076.729	4053.765	3988.865	3993.857
54.5	4032.797	4010.831	3987.866	3920.969	3921.967

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55.0	3963.903	3944.932	3921.967	3854.072	3849.080
55.5	3897.006	3878.035	3857.067	3785.178	3777.190
56.0	3829.110	3811.138	3790.170	3717.282	3705.301
56.5	3761.215	3744.241	3719.279	3648.388	3633.411
57.0	3693.319	3678.342	3649.387	3579.494	3560.523
57.5	3626.422	3611.445	3588.480	3509.602	3487.636
58.0	3558.527	3544.548	3523.580	3439.709	3415.746
58.5	3490.631	3477.651	3456.683	3368.818	3341.860
59.0	3422.735	3409.755	3389.786	3296.929	3268.972
59.5	3354.840	3342.858	3322.889	3226.038	3197.082
60.0	3287.943	3274.963	3254.993	3154.148	3134.179
60.5	3220.047	3207.067	3189.095	3083.258	3055.301
61.0	3152.152	3139.172	3123.196	3012.367	2971.430
61.5	3084.256	3072.274	3055.301	2940.477	2895.546
62.0	3017.359	3003.380	2987.405	2868.588	2820.661
62.5	2948.465	2935.485	2919.509	2797.697	2744.778
63.0	2880.569	2868.588	2852.612	2725.807	2669.893
63.5	2811.675	2800.692	2786.714	2655.915	2594.010
64.0	2742.781	2733.795	2719.817	2585.024	2519.125
64.5	2674.886	2666.898	2651.921	2515.131	2444.240
65.0	2607.989	2600.001	2584.025	2444.240	2370.354
65.5	2541.091	2533.104	2518.127	2374.348	2297.466
66.0	2474.194	2466.207	2451.230	2304.455	2224.578
66.5	2407.297	2401.306	2384.333	2234.563	2151.690
67.0	2340.400	2335.408	2317.435	2158.680	2079.801
67.5	2274.502	2269.509	2250.538	2091.783	2008.910
68.0	2208.603	2203.611	2182.643	2024.885	1938.019
68.5	2143.703	2138.710	2115.746	1955.991	1868.127
69.0	2078.803	2072.812	2047.850	1886.099	1798.234
69.5	2014.901	2008.910	1980.953	1817.205	1730.339
70.0	1950.999	1944.010	1914.056	1748.311	1662.443
70.5	1888.096	1879.110	1847.159	1680.415	1595.546
71.0	1825.193	1814.209	1781.260	1612.520	1529.647
71.5	1762.289	1751.306	1715.362	1546.621	1463.749
72.0	1700.385	1687.405	1649.463	1480.722	1399.847
72.5	1638.480	1624.501	1584.563	1415.822	1336.944
73.0	1577.573	1561.598	1521.659	1351.921	1274.040
73.5	1516.667	1499.693	1457.758	1289.017	1213.134
74.0	1454.762	1437.788	1394.855	1228.111	1152.228
74.5	1395.853	1376.882	1332.950	1167.205	1093.318
75.0	1334.947	1316.974	1272.043	1107.297	1035.407
75.5	1276.037	1257.066	1210.139	1048.387	978.495
76.0	1218.126	1199.156	1150.231	991.475	924.578
76.5	1160.215	1141.245	1091.321	935.561	870.661
77.0	1103.303	1084.332	1032.412	881.644	815.745
77.5	1047.389	1029.417	975.500	828.725	762.827
78.0	992.473	974.501	918.587	776.805	716.897
78.5	938.556	920.584	862.673	726.882	671.966
79.0	885.638	867.665	808.756	677.957	627.036
79.5	833.718	815.745	754.839	630.031	583.103
80.0	782.796	764.824	701.920	584.102	541.168
80.5	732.873	715.899	650.999	543.165	500.231
81.0	684.946	666.974	600.077	504.224	462.289
81.5	638.019	619.048	551.152	458.295	426.344
82.0	591.091	573.118	505.223	418.357	391.398
82.5	545.161	527.189	460.292	381.413	357.450

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CANDELA TABULATION - (Cont.)

83.0	500.231	482.258	417.358	346.467	325.499
83.5	457.297	439.324	375.423	313.518	295.545
84.0	414.363	397.389	335.484	282.565	267.588
84.5	372.427	355.453	298.541	252.611	240.630
85.0	331.490	315.515	263.595	225.653	214.670
85.5	290.553	276.575	230.645	198.694	188.710
86.0	251.613	239.631	200.691	172.734	162.750
86.5	211.674	202.688	170.737	147.773	140.783
87.0	173.733	167.742	142.780	127.803	122.811
87.5	137.788	135.791	117.819	109.831	106.836
88.0	104.839	105.837	97.849	90.860	89.862
88.5	74.885	79.877	77.880	76.882	75.883
89.0	46.928	57.911	62.903	66.897	66.897
89.5	27.957	40.937	50.922	57.911	57.911
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-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-L240-850-HA-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-L240-850-HA-ND-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3548.15	N.A.	15.40
0-30	7202.82	N.A.	31.30
0-40	11320.24	N.A.	49.20
0-60	18857.15	N.A.	82.00
0-80	22664.00	N.A.	98.60
0-90	22986.04	N.A.	100.00
10-90	22038.31	N.A.	95.90
20-40	7772.09	N.A.	33.80
20-50	11818.78	N.A.	51.40
40-70	10041.61	N.A.	43.70
60-80	3806.85	N.A.	16.60
70-80	1302.15	N.A.	5.70
80-90	322.04	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	22986.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	947.73
10-20	2600.41
20-30	3654.68
30-40	4117.41
40-50	4046.69
50-60	3490.22
60-70	2504.69
70-80	1302.15
80-90	322.04
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-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-L240-850-HA-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

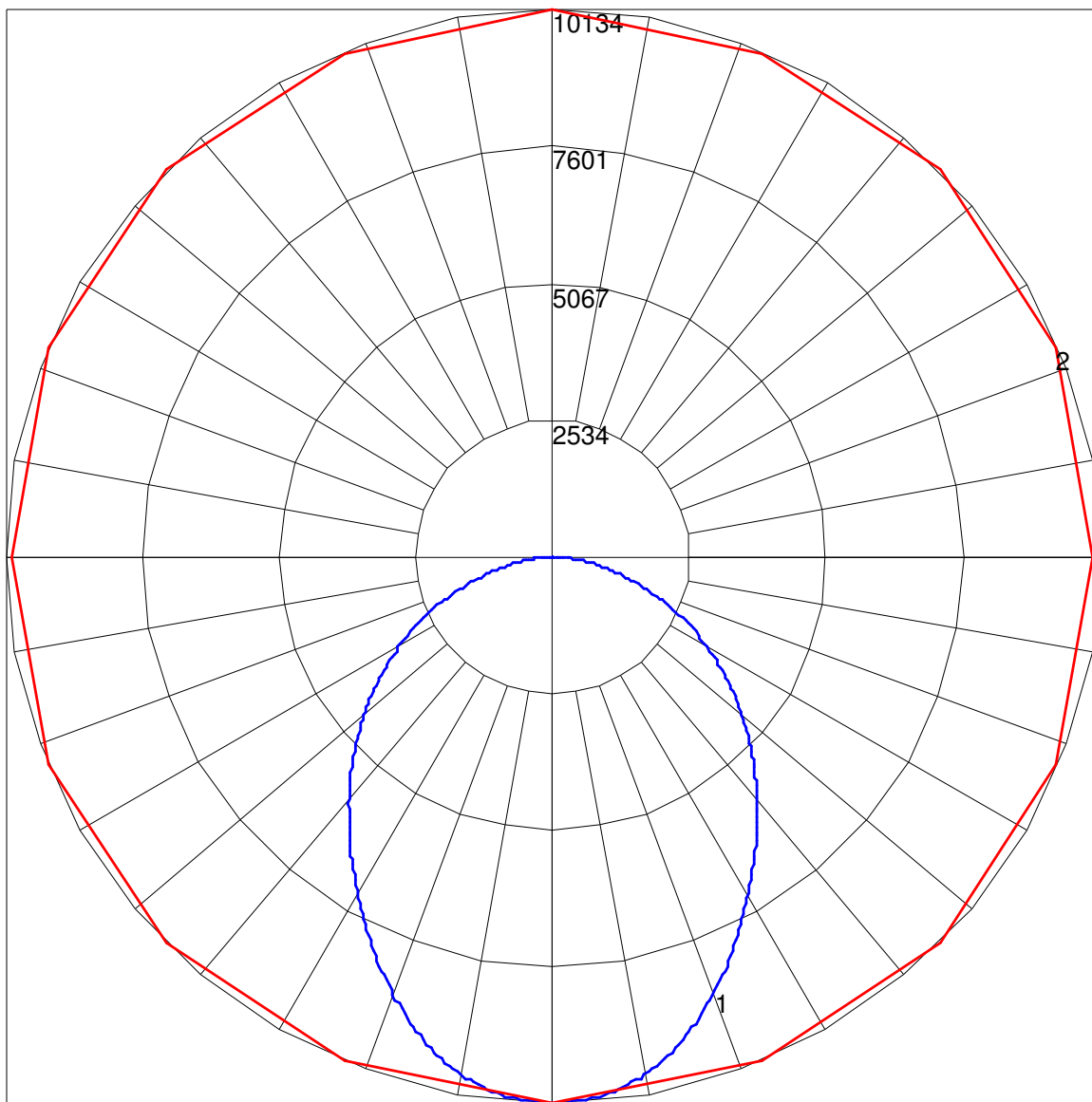
X=2H	Y=2H	24.6	26.2	25.0	26.5	26.8	24.4	26.0	24.8	26.3	26.6
	3H	26.3	27.7	26.7	28.1	28.4	25.9	27.3	26.2	27.6	28.0
	4H	26.9	28.2	27.3	28.6	29.0	26.3	27.7	26.7	28.0	28.4
	6H	27.3	28.6	27.7	28.9	29.3	26.6	27.8	27.0	28.2	28.6
	8H	27.5	28.6	27.9	29.0	29.4	26.6	27.8	27.1	28.2	28.6
	12H	27.5	28.7	28.0	29.1	29.5	26.7	27.8	27.1	28.2	28.6

UGR Viewed Endwise

4H	2H	25.2	26.5	25.6	26.9	27.3	25.0	26.4	25.4	26.7	27.1
	3H	27.1	28.2	27.5	28.6	29.0	26.7	27.8	27.1	28.2	28.6
	4H	27.8	28.8	28.2	29.2	29.7	27.2	28.3	27.7	28.7	29.1
	6H	28.4	29.2	28.8	29.7	30.1	27.6	28.5	28.0	28.9	29.4
	8H	28.5	29.4	29.0	29.8	30.3	27.7	28.5	28.1	29.0	29.4
	12H	28.6	29.4	29.1	29.9	30.3	27.7	28.5	28.2	29.0	29.4
8H	4H	28.0	28.9	28.5	29.3	29.8	27.5	28.4	28.0	28.8	29.3
	6H	28.7	29.4	29.2	29.9	30.3	28.0	28.7	28.5	29.1	29.6
	8H	28.9	29.5	29.4	30.1	30.5	28.1	28.7	28.6	29.2	29.7
	12H	29.1	29.7	29.6	30.2	30.7	28.2	28.8	28.7	29.2	29.8
12H	4H	28.0	28.8	28.5	29.3	29.7	27.6	28.3	28.0	28.8	29.2
	6H	28.7	29.3	29.2	29.8	30.3	28.0	28.7	28.5	29.1	29.6
	8H	29.0	29.5	29.5	30.0	30.6	28.2	28.7	28.7	29.2	29.8

Maximum UGR = 30.7

POLAR GRAPH



Maximum Candela = 10134.412 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.)