



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L240-850-HA-CA-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-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	23943
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
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	47772	49250	50141
55	45724	47565	34213
65	41475	29009	9404
75	33953	9333	9453
85	14886	12795	11915

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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	9076.402	9076.402	9076.402	9076.402	9076.402
0.5	8964.278	9082.104	9102.058	9087.805	9105.859
1.0	8967.128	9083.054	9103.008	9087.805	9104.909
1.5	8970.929	9082.104	9103.958	9084.954	9102.058
2.0	8969.979	9084.004	9102.058	9085.904	9103.008
2.5	8968.078	9082.104	9103.008	9084.004	9100.158
3.0	8967.128	9078.303	9101.108	9084.954	9102.058
3.5	8964.278	9072.601	9100.158	9084.954	9102.058
4.0	8957.626	9069.751	9097.307	9088.755	9103.958
4.5	8949.074	9064.050	9093.506	9090.655	9105.859
5.0	8937.672	9057.398	9090.655	9088.755	9103.008
5.5	8929.120	9051.697	9086.855	9085.904	9099.207
6.0	8922.468	9045.996	9082.104	9079.253	9091.606
6.5	8912.966	9037.444	9077.352	9072.601	9081.153
7.0	8900.613	9027.942	9067.850	9063.099	9068.801
7.5	8890.161	9019.390	9059.298	9050.747	9055.498
8.0	8880.659	9008.937	9046.946	9037.444	9043.145
8.5	8875.908	8997.535	9035.543	9024.141	9033.643
9.0	8868.306	8985.182	9023.191	9010.838	9022.240
9.5	8857.854	8975.680	9012.738	9001.336	9013.688
10.0	8846.452	8967.128	9001.336	8989.933	9002.286
10.5	8835.999	8957.626	8988.033	8975.680	8988.983
11.0	8824.597	8948.124	8972.829	8959.526	8974.730
11.5	8815.095	8937.672	8957.626	8944.323	8952.875
12.0	8797.041	8924.369	8945.273	8924.369	8924.369
12.5	8777.086	8911.066	8928.170	8897.763	8901.564
13.0	8757.132	8895.862	8910.116	8871.157	8876.858
13.5	8736.227	8874.958	8892.062	8848.352	8849.302
14.0	8713.422	8855.003	8873.057	8822.696	8823.647
14.5	8683.015	8835.049	8850.252	8797.041	8801.792
15.0	8661.161	8815.095	8828.398	8771.385	8784.688
15.5	8648.808	8793.240	8802.742	8746.680	8767.584
16.0	8630.754	8768.534	8777.086	8724.825	8746.680
16.5	8611.750	8745.729	8746.680	8702.970	8727.675
17.0	8599.397	8721.974	8720.074	8681.115	8705.821
17.5	8579.443	8699.169	8691.567	8656.410	8684.916
18.0	8556.638	8672.563	8661.161	8633.605	8660.210
18.5	8531.932	8646.908	8634.555	8606.049	8627.903
19.0	8502.476	8622.202	8601.297	8577.542	8597.497
19.5	8470.169	8596.546	8569.941	8549.986	8572.791
20.0	8439.762	8570.891	8539.534	8520.530	8546.185
20.5	8410.305	8543.335	8511.978	8492.023	8519.579
21.0	8381.799	8513.878	8483.471	8465.417	8491.073
21.5	8348.542	8484.422	8454.015	8438.812	8459.716
22.0	8316.235	8454.965	8424.558	8410.305	8428.359
22.5	8288.678	8423.608	8393.202	8380.849	8399.853
23.0	8261.122	8391.301	8358.044	8346.641	8365.645
23.5	8233.566	8355.193	8323.836	8316.235	8335.239
24.0	8199.359	8322.886	8286.778	8285.828	8301.981
24.5	8169.902	8290.579	8248.770	8251.620	8270.625
25.0	8137.595	8250.670	8207.911	8220.263	8234.517
25.5	8100.537	8217.413	8171.803	8185.106	8200.309
26.0	8057.778	8184.155	8136.645	8149.948	8162.301
26.5	8011.217	8140.446	8102.437	8112.890	8125.242

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CANDELA TABULATION - (Cont.)

27.0	7968.458	8097.686	8065.379	8076.782	8088.184
27.5	7926.649	8053.027	8031.172	8040.674	8052.076
28.0	7886.740	8008.367	7994.114	8006.466	8015.968
28.5	7852.532	7963.707	7955.155	7969.408	7977.010
29.0	7814.524	7919.997	7915.246	7925.698	7939.001
29.5	7776.516	7876.288	7875.337	7885.790	7904.794
30.0	7738.507	7827.827	7832.578	7843.980	7864.885
30.5	7700.499	7783.167	7793.619	7801.221	7828.777
31.0	7659.640	7733.756	7754.661	7761.312	7788.868
31.5	7614.030	7685.295	7713.802	7720.453	7748.959
32.0	7566.519	7641.586	7671.042	7678.644	7707.150
32.5	7517.108	7595.025	7630.183	7641.586	7663.441
33.0	7465.797	7549.415	7593.125	7600.727	7623.532
33.5	7416.386	7500.955	7550.366	7558.918	7587.424
34.0	7366.025	7449.643	7503.805	7515.208	7545.615
34.5	7318.514	7399.282	7456.295	7471.498	7501.905
35.0	7274.805	7347.021	7404.033	7428.739	7455.345
35.5	7233.946	7294.759	7344.170	7384.079	7413.535
36.0	7184.535	7238.697	7295.709	7339.419	7369.826
36.5	7133.224	7182.634	7249.149	7292.859	7323.266
37.0	7074.311	7126.572	7197.838	7247.249	7277.655
37.5	7010.647	7071.460	7145.576	7201.639	7229.195
38.0	6949.833	7017.298	7099.016	7154.128	7178.834
38.5	6888.070	6962.186	7054.356	7104.717	7123.722
39.0	6833.908	6907.074	7002.095	7051.506	7072.410
39.5	6782.596	6848.161	6944.132	6995.443	7022.049
40.0	6729.385	6786.397	6886.169	6942.231	6969.788
40.5	6674.272	6724.633	6831.057	6888.070	6920.377
41.0	6622.961	6662.870	6774.995	6829.157	6870.016
41.5	6560.247	6600.156	6715.131	6774.995	6812.053
42.0	6490.882	6538.392	6654.318	6717.032	6753.140
42.5	6415.815	6475.679	6592.554	6659.069	6695.177
43.0	6342.649	6412.014	6533.641	6601.106	6639.115
43.5	6274.234	6344.550	6472.828	6542.193	6584.002
44.0	6213.421	6280.886	6417.716	6485.181	6532.691
44.5	6163.060	6218.172	6358.803	6433.869	6477.579
45.0	6110.798	6151.657	6299.890	6380.658	6413.915
45.5	6053.785	6087.043	6236.226	6316.994	6355.952
46.0	5986.321	6020.528	6164.960	6246.678	6293.238
46.5	5916.955	5951.163	6089.893	6188.715	6233.375
47.0	5843.789	5884.648	6026.229	6128.852	6175.412
47.5	5778.225	5820.984	5962.565	6066.138	6113.649
48.0	5718.361	5759.220	5895.100	6006.275	6049.985
48.5	5659.448	5703.158	5828.586	5947.362	5973.968
49.0	5596.735	5626.191	5765.872	5886.549	5877.046
49.5	5529.270	5544.473	5704.108	5825.735	5764.922
50.0	5444.701	5476.058	5639.494	5760.171	5629.992
50.5	5367.734	5416.195	5570.129	5689.855	5465.606
51.0	5295.518	5344.929	5500.763	5604.336	5276.514
51.5	5232.804	5275.564	5428.548	5499.813	5095.024
52.0	5172.941	5200.497	5360.132	5378.186	4948.692
52.5	5104.526	5128.281	5290.767	5220.452	4809.961
53.0	5025.659	5050.364	5219.501	5039.912	4601.865
53.5	4944.891	4978.148	5151.086	4851.770	4321.553
54.0	4869.824	4912.584	5078.870	4693.085	4001.333
54.5	4807.110	4840.368	5005.704	4556.255	3736.224

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CANDELA TABULATION - (Cont.)

55.0	4744.397	4755.799	4935.389	4385.217	3549.983
55.5	4664.579	4677.882	4863.173	4141.964	3408.402
56.0	4578.110	4615.168	4792.857	3838.847	3270.622
56.5	4505.894	4548.653	4721.592	3556.635	3098.634
57.0	4445.081	4474.537	4646.525	3357.091	2924.745
57.5	4376.665	4391.869	4563.857	3214.559	2780.313
58.0	4297.798	4311.101	4475.487	3098.634	2690.994
58.5	4209.429	4234.134	4367.163	2957.052	2634.931
59.0	4138.163	4159.067	4242.686	2763.210	2588.371
59.5	4068.798	4078.300	4101.105	2602.624	2522.807
60.0	3979.478	3993.731	3933.868	2507.603	2435.387
60.5	3893.959	3921.515	3783.735	2451.541	2324.213
61.0	3816.992	3842.648	3642.153	2404.030	2186.432
61.5	3749.527	3760.930	3477.767	2334.665	2041.050
62.0	3668.759	3674.461	3299.128	2245.345	1895.668
62.5	3568.987	3587.041	3068.227	2128.470	1702.776
63.0	3481.568	3511.975	2807.869	1983.087	1412.962
63.5	3412.203	3437.858	2596.923	1842.456	1179.210
64.0	3327.634	3351.389	2453.441	1701.825	1040.480
64.5	3246.866	3275.373	2344.167	1492.779	913.246
65.0	3170.849	3197.455	2217.789	1219.119	718.929
65.5	3070.127	3109.086	2059.104	1030.027	622.957
66.0	2984.608	3027.368	1926.075	914.577	601.483
66.5	2910.492	2953.251	1846.257	744.489	591.601
67.0	2829.724	2870.583	1783.543	623.908	582.954
67.5	2745.156	2788.865	1717.979	580.293	574.402
68.0	2657.736	2714.749	1633.410	568.320	566.420
68.5	2581.720	2627.330	1513.684	558.818	558.628
69.0	2507.603	2548.462	1376.854	549.981	550.837
69.5	2424.935	2467.694	1259.978	541.715	542.855
70.0	2344.167	2392.628	1099.393	533.828	534.968
70.5	2266.250	2307.109	893.387	525.751	527.366
71.0	2197.835	2217.789	760.643	518.244	519.765
71.5	2118.967	2124.669	660.491	510.738	511.213
72.0	2040.100	2025.847	545.895	502.281	502.946
72.5	1962.183	1899.469	489.263	494.204	494.109
73.0	1889.017	1767.390	474.535	486.032	484.512
73.5	1815.851	1654.315	464.748	477.290	474.820
74.0	1742.684	1534.589	455.150	467.883	464.177
74.5	1670.469	1403.460	446.123	457.716	453.630
75.0	1589.701	1236.223	437.001	447.359	442.608
75.5	1515.584	1119.347	428.259	436.716	431.110
76.0	1441.468	1033.828	419.803	425.694	419.423
76.5	1362.601	940.327	410.681	414.386	407.355
77.0	1283.733	841.126	401.559	402.794	395.382
77.5	1203.916	776.511	391.771	391.106	383.029
78.0	1114.596	697.739	381.604	379.039	370.677
78.5	1040.480	599.107	370.677	366.401	357.944
79.0	974.915	522.995	359.654	354.048	345.496
79.5	906.880	412.866	348.347	341.695	332.763
80.0	838.180	354.903	336.659	328.963	319.746
80.5	769.385	300.646	324.972	315.850	306.918
81.0	699.544	282.212	312.809	302.832	295.325
81.5	630.654	270.715	300.076	290.004	284.208
82.0	568.605	258.742	286.773	276.986	269.384
82.5	513.208	246.674	273.470	264.063	256.272

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CANDELA TABULATION - (Cont.)

83.0	453.630	234.892	259.312	250.760	243.539
83.5	395.477	222.634	245.249	237.647	230.521
84.0	339.320	210.091	230.711	223.964	217.123
84.5	286.868	196.788	216.458	209.711	203.155
85.0	234.702	183.390	201.730	194.318	187.856
85.5	207.621	169.137	185.956	177.784	172.178
86.0	177.879	154.409	169.327	160.395	155.169
86.5	134.645	139.016	150.703	141.581	137.970
87.0	112.030	122.957	130.939	121.912	119.251
87.5	97.777	106.233	109.844	101.957	99.107
88.0	83.618	87.894	88.750	80.008	76.492
88.5	68.130	68.130	67.275	56.252	51.881
89.0	49.791	49.126	45.800	36.488	33.542
89.5	31.167	32.972	29.456	24.991	24.230
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-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-L240-850-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-L240-850-HA-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3343.07	N.A.	14.00
0-30	7130.2	N.A.	29.80
0-40	11749.11	N.A.	49.10
0-60	20632.25	N.A.	86.20
0-80	23727.88	N.A.	99.10
0-90	23943.42	N.A.	100.00
10-90	23081.35	N.A.	96.40
20-40	8406.04	N.A.	35.10
20-50	13239.42	N.A.	55.30
40-70	11117.59	N.A.	46.40
60-80	3095.63	N.A.	12.90
70-80	861.18	N.A.	3.60
80-90	215.54	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	23943.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	862.07
10-20	2481.00
20-30	3787.13
30-40	4618.91
40-50	4833.38
50-60	4049.76
60-70	2234.45
70-80	861.18
80-90	215.54
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-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-L240-850-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

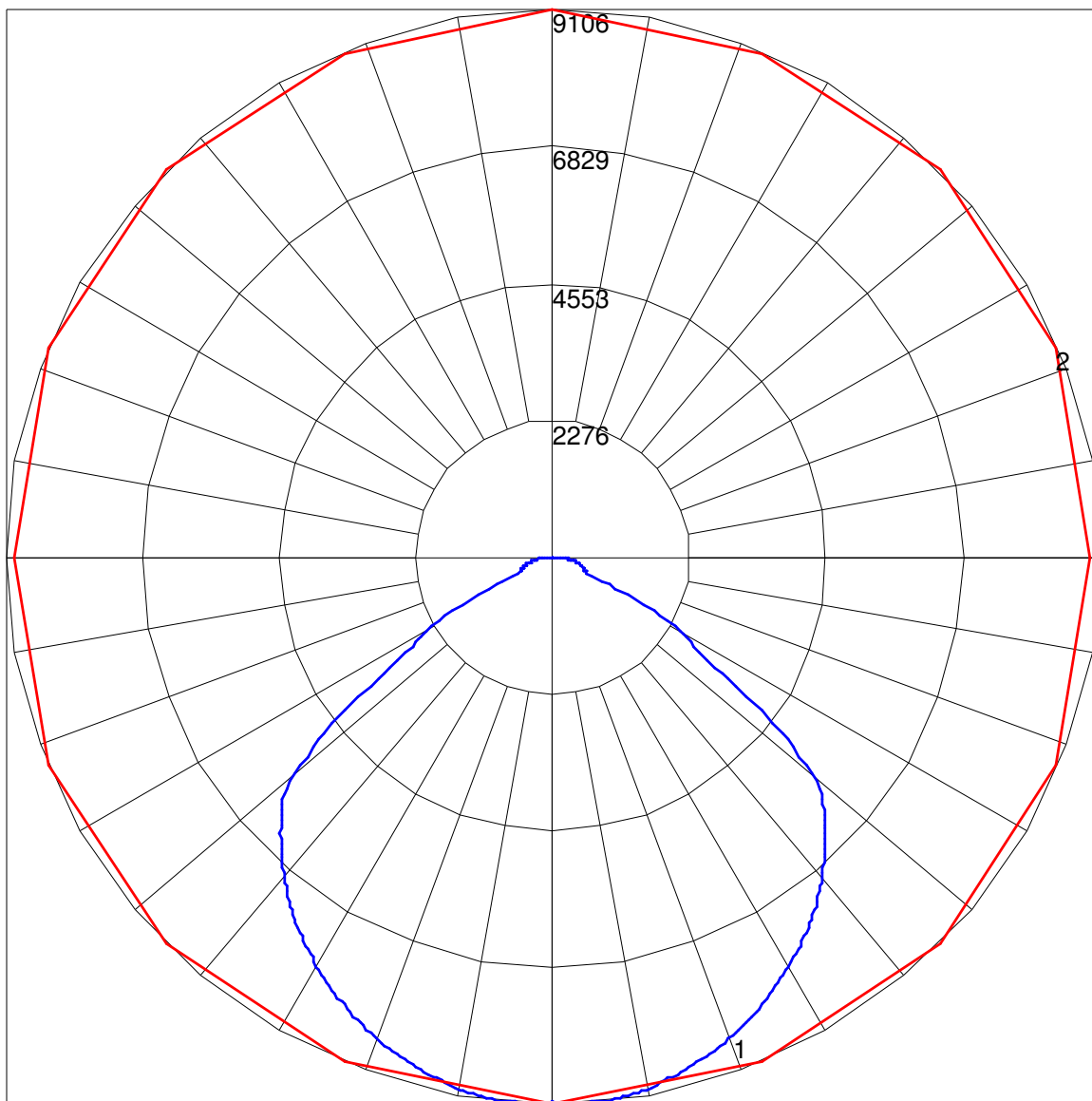
X=2H	Y=2H	25.8	27.4	26.2	27.7	28.0	23.4	25.0	23.8	25.3	25.6
	3H	27.5	28.9	27.9	29.2	29.6	23.5	24.9	23.9	25.3	25.6
	4H	28.0	29.4	28.4	29.7	30.1	23.6	24.9	24.0	25.3	25.7
	6H	28.3	29.5	28.7	29.9	30.3	23.7	25.0	24.2	25.3	25.7
	8H	28.4	29.5	28.8	29.9	30.3	23.8	25.0	24.2	25.4	25.8
	12H	28.4	29.5	28.8	29.9	30.3	23.9	25.0	24.3	25.4	25.8

UGR Viewed Endwise

4H	2H	26.1	27.4	26.5	27.7	28.1	24.0	25.4	24.4	25.7	26.1
	3H	27.9	29.0	28.3	29.4	29.8	24.2	25.3	24.6	25.7	26.1
	4H	28.5	29.5	28.9	29.9	30.3	24.4	25.3	24.8	25.7	26.2
	6H	28.9	29.7	29.3	30.1	30.6	24.5	25.4	25.0	25.8	26.3
	8H	28.9	29.7	29.4	30.2	30.6	24.6	25.4	25.1	25.9	26.3
	12H	29.0	29.7	29.5	30.2	30.6	24.7	25.4	25.2	25.9	26.4
8H	4H	28.5	29.3	28.9	29.7	30.2	24.5	25.3	25.0	25.8	26.2
	6H	28.8	29.5	29.3	30.0	30.4	24.8	25.5	25.3	25.9	26.4
	8H	28.9	29.5	29.4	30.0	30.5	24.9	25.5	25.4	26.0	26.5
	12H	29.0	29.5	29.5	30.0	30.6	25.1	25.6	25.6	26.1	26.7
12H	4H	28.4	29.2	28.9	29.6	30.1	24.6	25.3	25.0	25.7	26.2
	6H	28.8	29.4	29.3	29.9	30.4	24.8	25.4	25.3	25.9	26.4
	8H	28.9	29.4	29.4	29.9	30.5	25.0	25.5	25.5	26.0	26.6

Maximum UGR = 30.6

POLAR GRAPH



Maximum Candela = 9105.859 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.)