



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L480-850-HE-(L385)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14617179.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] APRIL 2023
[TEST DATE] 12 APR 2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] GS-4-L480-850-HE-(L385)-DIM-UNV
[LUMINAIRE] White aluminum housing, prismatic lense enclosure
[LAMP] LED
[BALLAST] 0-10V LED DRIVER

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	38500
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	273.7
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)	3.36 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	38110	39289	40001
55	36477	37945	27294
65	33087	23142	7502
75	27086	7446	7541
85	11875	10207	9505

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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	14594.492	14594.492	14594.492	14594.492	14594.492
0.5	14414.199	14603.659	14635.745	14612.826	14641.856
1.0	14418.783	14605.187	14637.273	14612.826	14640.328
1.5	14424.895	14603.659	14638.801	14608.243	14635.745
2.0	14423.367	14606.715	14635.745	14609.770	14637.273
2.5	14420.311	14603.659	14637.273	14606.715	14632.689
3.0	14418.783	14597.547	14634.217	14608.243	14635.745
3.5	14414.199	14588.380	14632.689	14608.243	14635.745
4.0	14403.504	14583.796	14628.105	14614.354	14638.801
4.5	14389.753	14574.629	14621.994	14617.410	14641.856
5.0	14371.418	14563.934	14617.410	14614.354	14637.273
5.5	14357.667	14554.766	14611.298	14609.770	14631.161
6.0	14346.972	14545.599	14603.659	14599.075	14618.938
6.5	14331.693	14531.848	14596.019	14588.380	14602.131
7.0	14311.830	14516.569	14580.740	14573.101	14582.268
7.5	14295.023	14502.818	14566.989	14553.238	14560.878
8.0	14279.744	14486.011	14547.127	14531.848	14541.015
8.5	14272.105	14467.676	14528.792	14510.457	14525.736
9.0	14259.882	14447.813	14508.929	14489.066	14507.401
9.5	14243.075	14432.534	14492.122	14473.787	14493.650
10.0	14224.740	14418.783	14473.787	14455.453	14475.315
10.5	14207.933	14403.504	14452.397	14432.534	14453.925
11.0	14189.598	14388.225	14427.951	14406.560	14431.006
11.5	14174.319	14371.418	14403.504	14382.114	14395.865
12.0	14145.289	14350.028	14383.641	14350.028	14350.028
12.5	14113.203	14328.637	14356.139	14307.246	14313.358
13.0	14081.117	14304.191	14327.109	14264.465	14273.633
13.5	14047.504	14270.577	14298.079	14227.796	14229.324
14.0	14010.834	14238.491	14267.521	14186.542	14188.070
14.5	13961.941	14206.405	14230.852	14145.289	14152.929
15.0	13926.800	14174.319	14195.710	14104.036	14125.427
15.5	13906.937	14139.178	14154.457	14064.311	14097.924
16.0	13877.907	14099.452	14113.203	14029.169	14064.311
16.5	13847.349	14062.783	14064.311	13994.027	14033.753
17.0	13827.486	14024.585	14021.529	13958.886	13998.611
17.5	13795.400	13987.916	13975.692	13919.160	13964.997
18.0	13758.731	13945.134	13926.800	13882.491	13925.272
18.5	13719.005	13903.881	13884.018	13838.181	13873.323
19.0	13671.640	13864.156	13830.542	13792.345	13824.430
19.5	13619.692	13822.902	13780.121	13748.035	13784.705
20.0	13570.799	13781.649	13731.229	13700.671	13741.924
20.5	13523.434	13737.340	13686.919	13654.834	13699.143
21.0	13477.597	13689.975	13641.083	13612.052	13653.306
21.5	13424.121	13642.610	13593.718	13569.271	13602.885
22.0	13372.172	13595.246	13546.353	13523.434	13552.464
22.5	13327.863	13544.825	13495.932	13476.069	13506.627
23.0	13283.554	13492.876	13439.400	13421.065	13451.623
23.5	13239.245	13434.816	13384.395	13372.172	13402.730
24.0	13184.241	13382.868	13324.807	13323.280	13349.254
24.5	13136.876	13330.919	13263.691	13268.275	13298.833
25.0	13084.927	13266.747	13197.992	13217.854	13240.773
25.5	13025.339	13213.271	13139.932	13161.322	13185.769
26.0	12956.584	13159.794	13083.399	13104.790	13124.653
26.5	12881.717	13089.511	13028.395	13045.202	13065.065

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27.0	12812.96113020.75612968.80712987.14213005.477
27.5	12745.73412948.94412913.80312929.08212947.416
28.0	12681.56212877.13312854.21512874.07712889.356
28.5	12626.55812805.32212791.57112814.48912826.712
29.0	12565.44212735.03812727.39912744.20612765.596
29.5	12504.32612664.75512663.22712680.03412710.592
30.0	12443.21012586.83212594.47212612.80612646.420
30.5	12382.09412515.02112531.82812544.05112588.360
31.0	12316.39412435.57012469.18412479.87912524.188
31.5	12243.05512357.64712403.48412414.18012460.017
32.0	12166.66012287.36412334.72912346.95212392.789
32.5	12087.20912212.49712269.02912287.36412322.506
33.0	12004.70312139.15812209.44112221.66412258.334
33.5	11925.25212061.23512140.68612154.43712200.274
34.0	11844.27311978.72812065.81912084.15312133.046
34.5	11767.87811897.75011989.42412013.87012062.763
35.0	11697.59511813.71511905.38911945.11511987.896
35.5	11631.89511729.68111809.13211873.30311920.668
36.0	11552.44511639.53511731.20911801.49211850.385
36.5	11469.93811549.38911656.34211726.62511775.518
37.0	11375.20811459.24311573.83511653.28611702.179
37.5	11272.83911370.62511489.80111579.94711624.256
38.0	11175.05311283.53411414.93411503.55211543.277
38.5	11075.74011194.91611343.12211424.10111454.659
39.0	10988.65011106.29811259.08811338.53911372.152
39.5	10906.14311011.56811165.88611248.39311291.174
40.0	10820.58110912.25511072.68411162.83011207.139
40.5	10731.96310812.94110984.06611075.74011127.689
41.0	10649.45610713.62810893.92010981.01011046.710
41.5	10548.61510612.78710797.66210893.92010953.508
42.0	10437.07810513.47310699.87710800.71810858.778
42.5	10316.37410412.63210600.56310707.51610765.577
43.0	10198.72610310.26310505.83410614.31510675.431
43.5	10088.71710201.78210408.04810519.58510586.812
44.0	9990.932 10099.41310319.43010427.91110504.306
44.5	9909.953 9998.571 10224.70010345.40410415.688
45.0	9825.919 9891.618 10129.97110259.84210313.318
45.5	9734.245 9787.721 10027.60110157.47310220.117
46.0	9625.764 9680.768 9913.009 10044.40810119.275
46.5	9514.227 9569.232 9792.305 9951.206 10023.018
47.0	9396.579 9462.279 9689.936 9854.949 9929.816
47.5	9291.154 9359.909 9587.566 9754.107 9830.502
48.0	9194.896 9260.596 9479.086 9657.850 9728.133
48.5	9100.167 9170.450 9372.133 9563.120 9605.901
49.0	8999.325 9046.690 9271.291 9465.334 9450.055
49.5	8890.844 8915.291 9171.978 9367.549 9269.763
50.0	8754.861 8805.282 9068.081 9262.124 9052.802
50.5	8631.102 8709.024 8956.544 9149.059 8788.475
51.0	8514.981 8594.432 8845.007 9011.548 8484.423
51.5	8414.140 8482.895 8728.887 8843.480 8192.595
52.0	8317.882 8362.191 8618.878 8647.908 7957.298
52.5	8207.874 8246.071 8507.342 8394.277 7734.225
53.0	8081.058 8120.783 8392.749 8103.976 7399.615
53.5	7951.187 8004.663 8282.741 7801.452 6948.885
54.0	7830.483 7899.238 8166.620 7546.293 6433.983
54.5	7729.641 7783.118 8048.972 7326.276 6007.699

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55.0	7628.800	7647.135	7935.908	7051.254	5708.231
55.5	7500.456	7521.847	7819.787	6660.112	5480.574
56.0	7361.418	7421.006	7706.723	6172.712	5259.028
56.5	7245.297	7314.053	7592.130	5718.926	4982.479
57.0	7147.512	7194.877	7471.426	5398.067	4702.873
57.5	7037.503	7061.949	7338.499	5168.882	4470.633
58.0	6910.687	6932.078	7196.404	4982.479	4327.010
58.5	6768.593	6808.318	7022.224	4754.822	4236.864
59.0	6654.000	6687.614	6822.069	4443.130	4161.997
59.5	6542.464	6557.743	6594.412	4184.915	4056.572
60.0	6398.841	6421.760	6325.502	4032.126	3916.005
60.5	6261.330	6305.639	6084.094	3941.979	3737.241
61.0	6137.570	6178.824	5856.437	3865.585	3515.696
61.5	6029.090	6047.424	5592.110	3754.048	3281.927
62.0	5899.218	5908.386	5304.865	3610.425	3048.159
62.5	5738.789	5767.819	4933.586	3422.494	2737.995
63.0	5598.222	5647.115	4514.942	3188.725	2271.986
63.5	5486.685	5527.939	4175.748	2962.596	1896.123
64.0	5350.702	5388.900	3945.035	2736.467	1673.049
64.5	5220.831	5266.668	3769.327	2400.329	1468.464
65.0	5098.599	5141.380	3566.116	1960.294	1156.008
65.5	4936.642	4999.286	3310.957	1656.243	1001.691
66.0	4799.131	4867.886	3097.051	1470.603	967.160
66.5	4679.955	4748.710	2968.708	1197.109	951.270
67.0	4550.083	4615.783	2867.866	1003.219	937.366
67.5	4414.100	4484.384	2762.441	933.088	923.615
68.0	4273.534	4365.208	2626.458	913.836	910.781
68.5	4151.302	4224.641	2433.943	898.557	898.252
69.0	4032.126	4097.825	2213.926	884.348	885.723
69.5	3899.198	3967.954	2025.994	871.055	872.889
70.0	3769.327	3847.250	1767.779	858.374	860.207
70.5	3644.039	3709.739	1436.531	845.387	847.984
71.0	3534.030	3566.116	1223.083	833.316	835.761
71.5	3407.215	3416.382	1062.043	821.246	822.010
72.0	3280.399	3257.481	877.778	807.647	808.717
72.5	3155.111	3054.270	786.715	794.660	794.507
73.0	3037.463	2841.892	763.033	781.520	779.076
73.5	2919.815	2660.072	747.295	767.464	763.491
74.0	2802.167	2467.557	731.864	752.337	746.379
74.5	2686.046	2256.707	717.349	735.989	729.419
75.0	2556.175	1987.797	702.681	719.335	711.695
75.5	2436.999	1799.865	688.624	702.222	693.208
76.0	2317.823	1662.354	675.026	684.499	674.415
76.5	2191.007	1512.009	660.358	666.317	655.010
77.0	2064.192	1352.496	645.690	647.676	635.759
77.5	1935.848	1248.599	629.953	628.883	615.896
78.0	1792.226	1121.936	613.604	609.479	596.033
78.5	1673.049	963.340	596.033	589.158	575.560
79.0	1567.624	840.956	578.310	569.295	555.544
79.5	1458.227	663.872	560.128	549.432	535.070
80.0	1347.760	570.670	541.335	528.959	514.138
80.5	1237.140	483.427	522.541	507.874	493.511
81.0	1124.839	453.786	502.984	486.941	474.871
81.5	1014.067	435.298	482.511	466.315	456.995
82.0	914.295	416.047	461.120	445.383	433.159
82.5	825.218	396.643	439.729	424.603	412.074

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GS-4-L480-850-HE-(L385)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	729.419	377.697	416.964	403.213	391.601
83.5	635.912	357.987	394.351	382.128	370.668
84.0	545.613	337.818	370.974	360.126	349.125
84.5	461.273	316.428	348.055	337.207	326.665
85.0	377.391	294.885	324.373	312.455	302.066
85.5	333.846	271.966	299.010	285.870	276.855
86.0	286.023	248.284	272.272	257.909	249.506
86.5	216.503	223.532	242.325	227.657	221.851
87.0	180.139	197.710	210.544	196.029	191.751
87.5	157.221	170.819	176.625	163.944	159.360
88.0	134.455	141.331	142.706	128.649	122.996
88.5	109.550	109.550	108.175	90.452	83.423
89.0	80.062	78.992	73.645	58.671	53.935
89.5	50.115	53.018	47.365	40.184	38.961
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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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-4-L480-850-HE-(L385)-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-4-L480-850-HE-(L385)-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-4-L480-850-HE-(L385)-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	5375.53	N.A.	14.00
0-30	11465.08	N.A.	29.80
0-40	18892.09	N.A.	49.10
0-60	33175.83	N.A.	86.20
0-80	38153.48	N.A.	99.10
0-90	38500.06	N.A.	100.00
10-90	37113.88	N.A.	96.40
20-40	13516.57	N.A.	35.10
20-50	21288.45	N.A.	55.30
40-70	17876.64	N.A.	46.40
60-80	4977.65	N.A.	12.90
70-80	1384.75	N.A.	3.60
80-90	346.57	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	38500.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1386.18
10-20	3989.34
20-30	6089.55
30-40	7427.02
40-50	7771.88
50-60	6511.85
60-70	3592.91
70-80	1384.75
80-90	346.57
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-4-L480-850-HE-(L385)-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-4-L480-850-HE-(L385)-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	25.1	26.7	25.5	27.0	27.3	UGR Viewed Endwise			
	3H	26.8	28.2	27.2	28.5	28.9	22.7	24.3	23.1	24.6
	4H	27.3	28.6	27.7	29.0	29.4	22.8	24.2	23.2	24.5
	6H	27.6	28.8	28.0	29.2	29.6	22.9	24.2	23.3	24.6
	8H	27.7	28.8	28.1	29.2	29.6	23.0	24.2	23.4	24.6
	12H	27.7	28.8	28.1	29.2	29.6	23.1	24.2	23.5	24.6

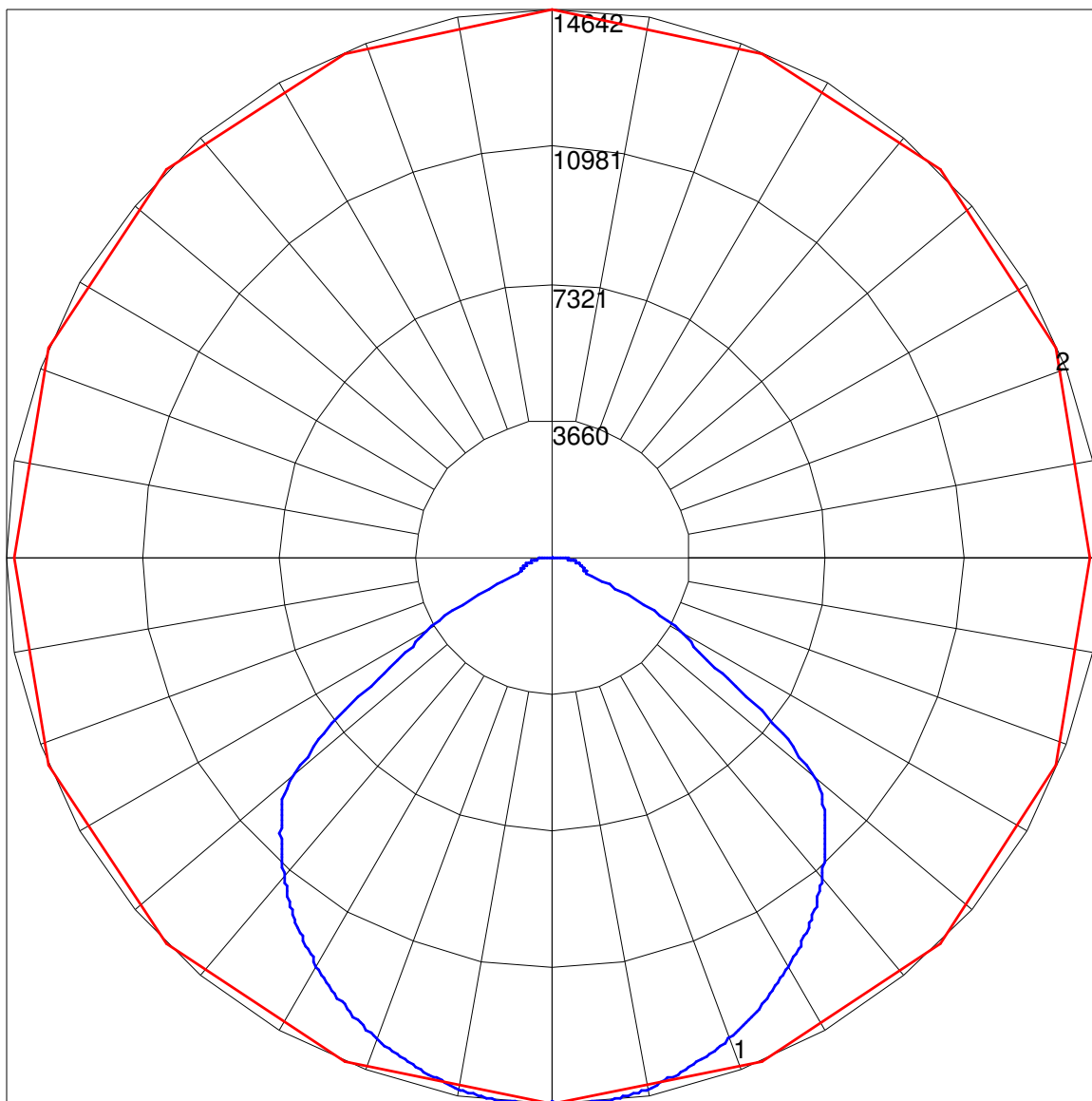
4H	2H	25.3	26.6	25.7	27.0	27.4	23.1	24.2	23.6	24.6
	3H	27.2	28.3	27.6	28.7	29.1	23.3	24.6	23.7	25.0
	4H	27.8	28.8	28.2	29.2	29.6	23.5	24.6	23.9	25.0
	6H	28.1	29.0	28.6	29.4	29.9	23.6	24.6	24.1	25.0
	8H	28.2	29.0	28.7	29.4	29.9	23.8	24.7	24.3	25.1
	12H	28.2	28.9	28.7	29.4	29.9	23.9	24.7	24.4	25.1

8H	4H	27.7	28.5	28.2	29.0	29.4	24.0	24.7	24.5	25.2
	6H	28.1	28.7	28.6	29.2	29.7	24.6	24.3	25.0	25.5
	8H	28.2	28.8	28.7	29.3	29.8	24.1	24.7	24.6	25.2
	12H	28.3	28.8	28.8	29.3	29.8	24.2	24.8	24.7	25.3

12H	4H	27.7	28.4	28.2	28.9	29.4	24.4	24.9	24.9	25.4
	6H	28.1	28.7	28.6	29.1	29.7	23.8	24.5	24.3	25.0
	8H	28.2	28.7	28.7	29.2	29.7	24.1	24.7	24.6	25.1

Maximum UGR = 29.9

POLAR GRAPH



Maximum Candela = 14641.856 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.)