

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L480-850-HP-(L370)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN FROM 14617179.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 1/20/2025
[TEST DATE] 1/6/2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] GS-4-L480-850-HP-(L370)-DIM-UNV
[LUMINAIRE] White aluminum housing, prismatic lense enclosure
[LAMP] 448 White LEDs
[BALLAST] 0-10V LED DRIVER

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	38637
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	260
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	38246	39429	40143
55	36607	38080	27391
65	33205	23224	7529
75	27183	7472	7568
85	11918	10243	9539

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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	14646.444	14646.444	14646.444	14646.444	14646.444
0.5	14465.510	14655.644	14687.844	14664.844	14693.978
1.0	14470.110	14657.177	14689.378	14664.844	14692.444
1.5	14476.244	14655.644	14690.911	14660.244	14687.844
2.0	14474.710	14658.711	14687.844	14661.777	14689.378
2.5	14471.644	14655.644	14689.378	14658.711	14684.778
3.0	14470.110	14649.511	14686.311	14660.244	14687.844
3.5	14465.510	14640.311	14684.778	14660.244	14687.844
4.0	14454.777	14635.711	14680.178	14666.377	14690.911
4.5	14440.977	14626.511	14674.044	14669.444	14693.978
5.0	14422.577	14615.777	14669.444	14666.377	14689.378
5.5	14408.777	14606.577	14663.311	14661.777	14683.244
6.0	14398.043	14597.377	14655.644	14651.044	14670.978
6.5	14382.710	14583.577	14647.977	14640.311	14654.111
7.0	14362.777	14568.244	14632.644	14624.977	14634.177
7.5	14345.910	14554.444	14618.844	14605.044	14612.711
8.0	14330.576	14537.577	14598.911	14583.577	14592.777
8.5	14322.910	14519.177	14580.511	14562.111	14577.444
9.0	14310.643	14499.244	14560.577	14540.644	14559.044
9.5	14293.776	14483.910	14543.710	14525.310	14545.244
10.0	14275.376	14470.110	14525.310	14506.910	14526.844
10.5	14258.510	14454.777	14503.844	14483.910	14505.377
11.0	14240.110	14439.443	14479.310	14457.844	14482.377
11.5	14224.776	14422.577	14454.777	14433.310	14447.110
12.0	14195.643	14401.110	14434.843	14401.110	14401.110
12.5	14163.443	14379.643	14407.243	14358.177	14364.310
13.0	14131.243	14355.110	14378.110	14315.243	14324.443
13.5	14097.509	14321.376	14348.977	14278.443	14279.976
14.0	14060.709	14289.176	14318.310	14237.043	14238.576
14.5	14011.642	14256.976	14281.510	14195.643	14203.309
15.0	13976.375	14224.776	14246.243	14154.243	14175.709
15.5	13956.442	14189.509	14204.843	14114.376	14148.109
16.0	13927.309	14149.643	14163.443	14079.109	14114.376
16.5	13896.642	14112.842	14114.376	14043.842	14083.709
17.0	13876.708	14074.509	14071.442	14008.576	14048.442
17.5	13844.508	14037.709	14025.442	13968.709	14014.709
18.0	13807.708	13994.775	13976.375	13931.909	13974.842
18.5	13767.841	13953.375	13933.442	13887.442	13922.709
19.0	13720.308	13913.509	13879.775	13841.442	13873.642
19.5	13668.174	13872.108	13829.175	13796.975	13833.775
20.0	13619.108	13830.708	13780.108	13749.441	13790.842
20.5	13571.574	13786.242	13735.641	13703.441	13747.908
21.0	13525.574	13738.708	13689.641	13660.508	13701.908
21.5	13471.907	13691.175	13642.108	13617.574	13651.308
22.0	13419.774	13643.641	13594.574	13571.574	13600.708
22.5	13375.307	13593.041	13543.974	13524.041	13554.707
23.0	13330.840	13540.907	13487.241	13468.841	13499.507
23.5	13286.373	13482.641	13432.040	13419.774	13450.441
24.0	13231.173	13430.507	13372.240	13370.707	13396.774
24.5	13183.640	13378.374	13310.907	13315.507	13346.174
25.0	13131.506	13313.973	13244.973	13264.907	13287.907
25.5	13071.706	13260.307	13186.706	13208.173	13232.707
26.0	13002.706	13206.640	13129.973	13151.440	13171.373
26.5	12927.572	13136.106	13074.773	13091.639	13111.573

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27.0	12858.57213067.10613014.97313033.37313051.773
27.5	12791.10512995.03912959.77212975.10612993.506
28.0	12726.70512922.97212899.97212919.90612935.239
28.5	12671.50512850.90512837.10512860.10512872.372
29.0	12610.17112780.37212772.70512789.57212811.039
29.5	12548.83812709.83812708.30512725.17212755.838
30.0	12487.50412631.63812639.30512657.70512691.438
30.5	12426.17112559.57112576.43812588.70512633.171
31.0	12360.23712479.83812513.57112524.30412568.771
31.5	12286.63712401.63712447.63712458.37112504.371
32.0	12209.97012331.10412378.63712390.90412436.904
32.5	12130.23712255.97012312.70412331.10412366.371
33.0	12047.43612182.37012252.90412265.17012301.970
33.5	11967.70312104.17012183.90312197.70312243.704
34.0	11886.43612021.37012108.77012127.17012176.237
34.5	11809.76911940.10312032.10312056.63612105.703
35.0	11739.23511855.76911947.76911987.63612030.570
35.5	11673.30211771.43511851.16911915.56911963.103
36.0	11593.56811680.96911772.96911843.50211892.569
36.5	11510.76811590.50211697.83511768.36911817.436
37.0	11415.70111500.03511615.03511694.76911743.835
37.5	11312.96711411.10111530.70111621.16811665.635
38.0	11214.83411323.70111455.56811544.50111584.368
38.5	11115.16711234.76711383.50111464.76811495.435
39.0	11027.76711145.83411299.16711378.90111412.634
39.5	10944.96611050.76711205.63411288.43411331.367
40.0	10859.09910951.10011112.10011202.56711247.034
40.5	10770.16610851.43311023.16711115.16711167.300
41.0	10687.36610751.76610932.70011020.10011086.033
41.5	10586.16510650.56510836.09910932.70010992.500
42.0	10474.23210550.89810737.96610839.16610897.433
42.5	10353.09810449.69810638.29910745.63210803.899
43.0	10235.03110346.96410543.23210652.09910713.432
43.5	10124.63010238.09710445.09810557.03210624.499
44.0	10026.49710135.36410356.16510465.03210541.698
44.5	9945.230 10034.16410261.09810382.23110452.765
45.0	9860.896 9926.830 10166.03110296.36410350.031
45.5	9768.896 9822.563 10063.29710193.63110256.498
46.0	9660.029 9715.229 9948.297 10080.16410155.297
46.5	9548.095 9603.296 9827.163 9986.630 10058.697
47.0	9430.028 9495.962 9724.429 9890.030 9965.163
47.5	9324.228 9393.228 9621.696 9788.829 9865.496
48.0	9227.628 9293.561 9512.829 9692.229 9762.763
48.5	9132.561 9203.094 9405.495 9597.162 9640.096
49.0	9031.361 9078.894 9304.295 9499.029 9483.695
49.5	8922.494 8947.027 9204.628 9400.895 9302.761
50.0	8786.026 8836.627 9100.361 9295.095 9085.027
50.5	8661.826 8740.026 8988.427 9181.628 8819.760
51.0	8545.292 8625.026 8876.493 9043.627 8514.626
51.5	8444.092 8513.092 8759.960 8874.960 8221.758
52.0	8347.492 8391.959 8649.559 8678.693 7985.624
52.5	8237.091 8275.425 8537.626 8424.159 7761.757
53.0	8109.824 8149.691 8422.625 8132.824 7425.956
53.5	7979.491 8033.158 8312.225 7829.224 6973.621
54.0	7858.357 7927.357 8195.691 7573.156 6456.886
54.5	7757.157 7810.824 8077.624 7352.355 6029.085

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55.0	7655.956	7674.356	7964.157	7076.355	5728.551
55.5	7527.156	7548.623	7847.624	6683.820	5500.083
56.0	7387.622	7447.422	7734.157	6194.685	5277.749
56.5	7271.089	7340.089	7619.156	5739.284	5000.215
57.0	7172.955	7220.488	7498.023	5417.283	4719.614
57.5	7062.555	7087.088	7364.622	5187.282	4486.547
58.0	6935.288	6956.754	7222.022	5000.215	4342.413
58.5	6792.687	6832.554	7047.221	4771.748	4251.946
59.0	6677.687	6711.420	6846.354	4458.947	4176.813
59.5	6565.753	6581.086	6617.887	4199.813	4071.012
60.0	6421.619	6444.619	6348.019	4046.479	3929.945
60.5	6283.619	6328.086	6105.752	3956.012	3750.545
61.0	6159.419	6200.819	5877.284	3879.345	3528.211
61.5	6050.552	6068.952	5612.017	3767.411	3293.610
62.0	5920.218	5929.418	5323.749	3623.278	3059.009
62.5	5759.217	5788.351	4951.148	3434.677	2747.742
63.0	5618.150	5667.217	4531.014	3200.076	2280.074
63.5	5506.217	5547.617	4190.613	2973.142	1902.872
64.0	5369.750	5408.083	3959.079	2746.208	1679.005
64.5	5239.416	5285.416	3782.745	2408.874	1473.691
65.0	5116.749	5159.682	3578.811	1967.273	1160.123
65.5	4954.215	5017.082	3322.743	1662.138	1005.256
66.0	4816.215	4885.215	3108.076	1475.838	970.603
66.5	4696.614	4765.614	2979.276	1201.370	954.656
67.0	4566.280	4632.214	2878.075	1006.790	940.703
67.5	4429.813	4500.347	2772.275	936.409	926.903
68.0	4288.746	4380.747	2635.808	917.089	914.023
68.5	4166.079	4239.679	2442.607	901.756	901.449
69.0	4046.479	4112.412	2221.807	887.496	888.876
69.5	3913.078	3982.079	2033.206	874.156	875.996
70.0	3782.745	3860.945	1774.072	861.429	863.269
70.5	3657.011	3722.945	1441.644	848.396	851.003
71.0	3546.611	3578.811	1227.437	836.283	838.736
71.5	3419.344	3428.544	1065.823	824.169	824.936
72.0	3292.077	3269.077	880.903	810.522	811.596
72.5	3166.343	3065.143	789.516	797.489	797.336
73.0	3048.276	2852.009	765.749	784.302	781.849
73.5	2930.209	2669.541	749.956	770.196	766.209
74.0	2812.142	2476.341	734.469	755.016	749.036
74.5	2695.608	2264.740	719.902	738.609	732.016
75.0	2565.274	1994.873	705.182	721.896	714.229
75.5	2445.674	1806.272	691.075	704.722	695.675
76.0	2326.074	1668.272	677.429	686.935	676.815
76.5	2198.807	1517.391	662.709	668.689	657.342
77.0	2071.540	1357.311	647.989	649.982	638.022
77.5	1942.739	1253.044	632.195	631.122	618.089
78.0	1798.605	1125.930	615.789	611.649	598.155
78.5	1679.005	966.770	598.155	591.255	577.608
79.0	1573.205	843.949	580.368	571.322	557.522
79.5	1463.418	666.235	562.122	551.388	536.975
80.0	1352.557	572.702	543.262	530.842	515.968
80.5	1241.544	485.148	524.402	509.682	495.268
81.0	1128.843	455.401	504.775	488.675	476.561
81.5	1017.676	436.848	484.228	467.975	458.621
82.0	917.549	417.528	462.761	446.968	434.701
82.5	828.156	398.055	441.295	426.115	413.541

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L480-850-HP-(L370)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	732.016	379.041	418.448	404.648	392.995
83.5	638.175	359.261	395.755	383.488	371.988
84.0	547.555	339.021	372.294	361.408	350.368
84.5	462.915	317.554	349.294	338.408	327.828
85.0	378.734	295.934	325.528	313.568	303.141
85.5	335.034	272.934	300.074	286.888	277.841
86.0	287.041	249.167	273.241	258.827	250.394
86.5	217.274	224.327	243.187	228.467	222.641
87.0	180.781	198.414	211.294	196.727	192.434
87.5	157.780	171.427	177.254	164.527	159.927
88.0	134.934	141.834	143.214	129.107	123.434
88.5	109.940	109.940	108.560	90.774	83.720
89.0	80.347	79.274	73.907	58.880	54.127
89.5	50.293	53.207	47.533	40.327	39.100
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-4-L480-850-HP-(L370)-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-HP-(L370)-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-HP-(L370)-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	5394.66	N.A.	14.00
0-30	11505.89	N.A.	29.80
0-40	18959.34	N.A.	49.10
0-60	33293.93	N.A.	86.20
0-80	38289.3	N.A.	99.10
0-90	38637.11	N.A.	100.00
10-90	37246.00	N.A.	96.40
20-40	13564.68	N.A.	35.10
20-50	21364.23	N.A.	55.30
40-70	17940.28	N.A.	46.40
60-80	4995.37	N.A.	12.90
70-80	1389.68	N.A.	3.60
80-90	347.81	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	38637.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1391.12
10-20	4003.55
20-30	6111.23
30-40	7453.45
40-50	7799.55
50-60	6535.03
60-70	3605.69
70-80	1389.68
80-90	347.81
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-HP-(L370)-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-HP-(L370)-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	22.7	24.3	23.1	24.6	24.9
	3H	26.8	28.2	27.2	28.5	28.9	22.8	24.2	23.2	24.5	24.9
	4H	27.3	28.6	27.7	29.0	29.4	22.9	24.2	23.3	24.6	24.9
	6H	27.6	28.8	28.0	29.2	29.6	23.0	24.2	23.4	24.6	25.0
	8H	27.7	28.8	28.1	29.2	29.6	23.1	24.2	23.5	24.6	25.0
	12H	27.7	28.8	28.1	29.2	29.6	23.1	24.2	23.6	24.6	25.0

UGR Viewed Endwise

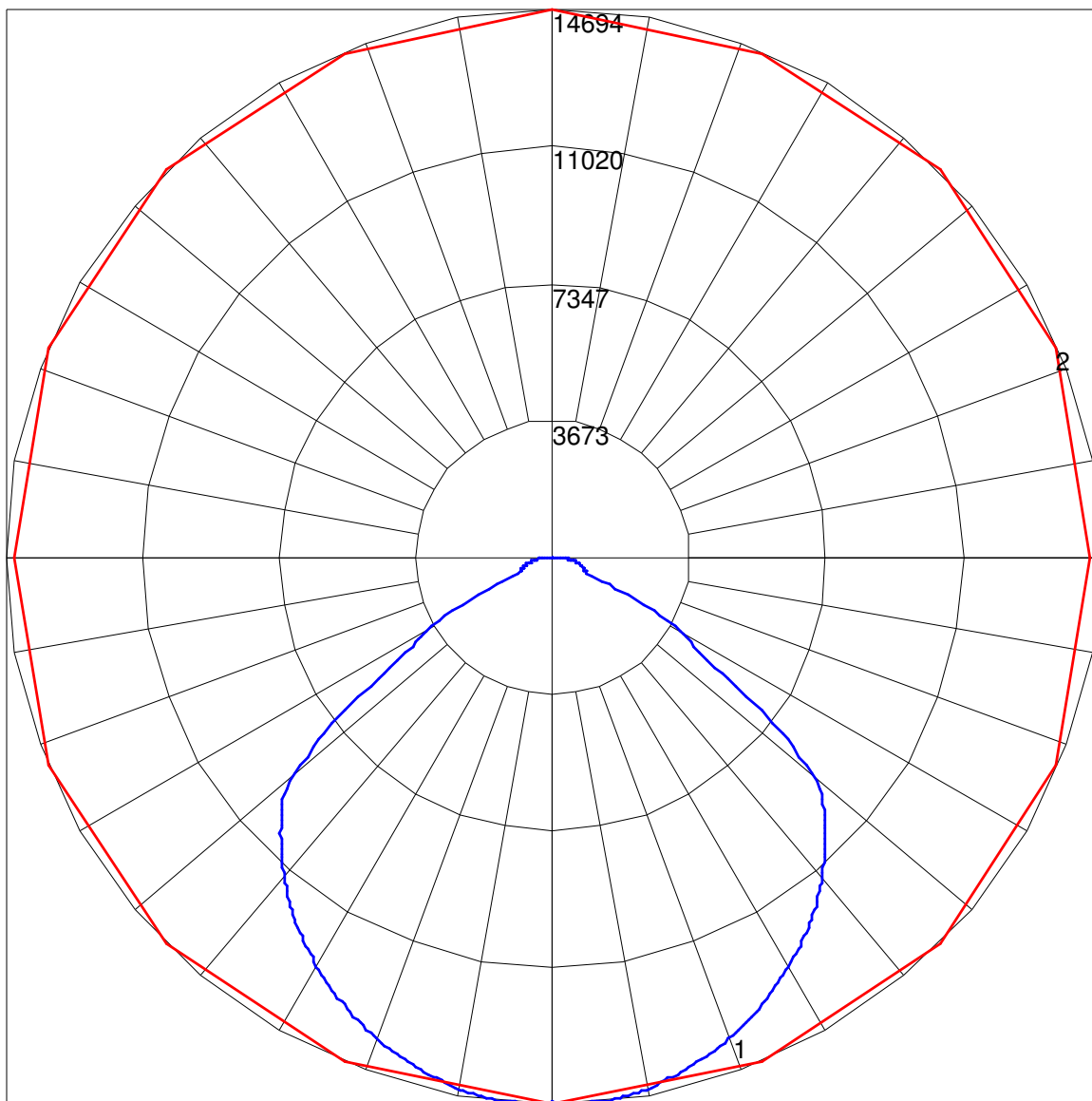
4H	2H	25.3	26.6	25.7	27.0	27.4	23.3	24.6	23.7	25.0	25.3
	3H	27.2	28.3	27.6	28.7	29.1	23.5	24.6	23.9	25.0	25.4
	4H	27.8	28.8	28.2	29.2	29.6	23.6	24.6	24.1	25.0	25.4
	6H	28.1	29.0	28.6	29.4	29.9	23.8	24.7	24.3	25.1	25.6
	8H	28.2	29.0	28.7	29.4	29.9	23.9	24.7	24.4	25.1	25.6
	12H	28.2	28.9	28.7	29.4	29.9	24.0	24.7	24.5	25.2	25.7

8H	4H	27.7	28.5	28.2	29.0	29.4	23.8	24.6	24.3	25.0	25.5
	6H	28.1	28.7	28.6	29.2	29.7	24.1	24.7	24.6	25.2	25.7
	8H	28.2	28.8	28.7	29.3	29.8	24.2	24.8	24.7	25.3	25.8
	12H	28.3	28.8	28.8	29.3	29.8	24.4	24.9	24.9	25.4	26.0

12H	4H	27.7	28.4	28.2	28.9	29.4	23.8	24.5	24.3	25.0	25.5
	6H	28.1	28.7	28.6	29.1	29.7	24.1	24.7	24.6	25.1	25.7
	8H	28.2	28.7	28.7	29.2	29.7	24.3	24.8	24.8	25.3	25.9

Maximum UGR = 29.9

POLAR GRAPH



Maximum Candela = 14693.978 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.)