



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L360-835-CA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 14617179.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 2023-03-14  
[TESTDATE] 1/6/2023  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMCAT] GS-4-L360-835-CA-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	34923
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	232
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	34569	35639	36284
55	33088	34420	24758
65	30013	20992	6805
75	24570	6754	6841
85	10772	9259	8622

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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	13238.498	13238.498	13238.498	13238.498	13238.498
0.5	13074.958	13246.814	13275.919	13255.130	13281.463
1.0	13079.115	13248.200	13277.305	13255.130	13280.077
1.5	13084.659	13246.814	13278.691	13250.972	13275.919
2.0	13083.273	13249.586	13275.919	13252.358	13277.305
2.5	13080.501	13246.814	13277.305	13249.586	13273.147
3.0	13079.115	13241.270	13274.533	13250.972	13275.919
3.5	13074.958	13232.955	13273.147	13250.972	13275.919
4.0	13065.256	13228.797	13268.989	13256.516	13278.691
4.5	13052.783	13220.481	13263.445	13259.288	13281.463
5.0	13036.151	13210.780	13259.288	13256.516	13277.305
5.5	13023.678	13202.464	13253.744	13252.358	13271.761
6.0	13013.976	13194.148	13246.814	13242.656	13260.673
6.5	13000.117	13181.675	13239.884	13232.955	13245.428
7.0	12982.100	13167.816	13226.025	13219.095	13227.411
7.5	12966.854	13155.342	13213.552	13201.078	13208.008
8.0	12952.995	13140.097	13195.534	13181.675	13189.991
8.5	12946.065	13123.465	13178.903	13162.272	13176.131
9.0	12934.978	13105.448	13160.886	13142.869	13159.500
9.5	12919.732	13091.589	13145.640	13129.009	13147.026
10.0	12903.101	13079.115	13129.009	13112.378	13130.395
10.5	12887.856	13065.256	13109.606	13091.589	13110.992
11.0	12871.224	13051.397	13087.431	13068.028	13090.203
11.5	12857.365	13036.151	13065.256	13045.853	13058.326
12.0	12831.032	13016.748	13047.239	13016.748	13016.748
12.5	12801.927	12997.345	13022.292	12977.942	12983.486
13.0	12772.823	12975.170	12995.959	12939.135	12947.451
13.5	12742.332	12944.679	12969.626	12905.873	12907.259
14.0	12709.069	12915.574	12941.907	12868.452	12869.838
14.5	12664.719	12886.470	12908.645	12831.032	12837.962
15.0	12632.843	12857.365	12876.768	12793.612	12813.015
15.5	12614.825	12825.488	12839.348	12757.577	12788.068
16.0	12588.493	12789.454	12801.927	12725.701	12757.577
16.5	12560.774	12756.191	12757.577	12693.824	12729.858
17.0	12542.757	12721.543	12718.771	12661.947	12697.982
17.5	12513.652	12688.280	12677.193	12625.913	12667.491
18.0	12480.389	12649.474	12632.843	12592.650	12631.457
18.5	12444.355	12612.054	12594.036	12552.458	12584.335
19.0	12401.391	12576.019	12545.528	12510.880	12539.985
19.5	12354.269	12538.599	12499.792	12470.688	12503.950
20.0	12309.919	12501.178	12455.442	12427.724	12465.144
20.5	12266.955	12460.986	12415.250	12386.145	12426.338
21.0	12225.376	12418.022	12373.672	12347.339	12384.759
21.5	12176.868	12375.058	12330.708	12308.533	12339.023
22.0	12129.746	12332.094	12287.744	12266.955	12293.287
22.5	12089.554	12286.358	12242.008	12223.990	12251.709
23.0	12049.362	12239.236	12190.728	12174.097	12201.815
23.5	12009.170	12186.570	12140.834	12129.746	12157.465
24.0	11959.276	12139.448	12086.782	12085.396	12108.957
24.5	11916.312	12092.326	12031.345	12035.503	12063.221
25.0	11869.190	12034.117	11971.749	11989.767	12010.556
25.5	11815.138	11985.609	11919.084	11938.487	11960.662
26.0	11752.771	11937.101	11867.804	11887.207	11905.224
26.5	11684.860	11873.348	11817.910	11833.155	11851.173

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**CANDELA TABULATION - (Cont.)**

27.0	11622.49211810.98011763.85811780.49011797.121
27.5	11561.51111745.84111713.96511727.82411744.455
28.0	11503.30211680.70211659.91311677.93011691.789
28.5	11453.40811615.56311603.08911623.87811634.966
29.0	11397.97011551.81011544.88011560.12511579.528
29.5	11342.53311488.05611486.67011501.91611529.634
30.0	11287.09511417.37311424.30311440.93411471.425
30.5	11231.65711352.23411367.48011378.56711418.759
31.0	11172.06211280.16511310.65611320.35811360.550
31.5	11105.53711209.48211251.06111260.76211302.340
32.0	11036.24011145.72911188.69311199.78111241.359
32.5	10964.17111077.81811129.09811145.72911177.606
33.0	10889.33011011.29311075.04611086.13411119.396
33.5	10817.26110940.61011012.67911025.15211066.731
34.0	10743.80710865.76910944.76810961.39911005.749
34.5	10674.51010792.31410875.47110897.64610941.996
35.0	10610.75610716.08810799.24410835.27910874.085
35.5	10551.16110639.86110711.93010770.13910813.104
36.0	10479.09210558.09110641.24710705.00010749.350
36.5	10404.25110476.32010573.33610637.08910681.439
37.0	10318.32310394.55010498.49510570.56410614.914
37.5	10225.46510314.16510422.26810504.03910544.231
38.0	10136.76510235.16710354.35710434.74210470.776
38.5	10046.67910154.78210289.21810362.67310390.392
39.0	9967.680 10074.39810212.99210285.06010315.551
39.5	9892.839 9988.469 10128.44910203.29010242.096
40.0	9815.227 9898.383 10043.90710125.67710165.870
40.5	9734.842 9808.297 9963.522 10046.67910093.801
41.0	9660.001 9718.211 9881.752 9960.750 10020.346
41.5	9568.529 9626.739 9794.438 9881.752 9935.804
42.0	9467.356 9536.653 9705.738 9797.210 9849.875
42.5	9357.867 9445.181 9615.651 9712.667 9765.333
43.0	9251.149 9352.323 9529.723 9628.125 9683.562
43.5	9151.362 9253.921 9441.023 9542.197 9603.178
44.0	9062.661 9161.063 9360.638 9459.040 9528.337
44.5	8989.207 9069.591 9274.710 9384.199 9447.953
45.0	8912.980 8972.575 9188.782 9306.587 9355.095
45.5	8829.823 8878.331 9095.924 9213.729 9270.552
46.0	8731.422 8781.316 8991.978 9111.169 9179.080
46.5	8630.248 8680.142 8882.489 9026.627 9091.766
47.0	8523.531 8583.126 8789.631 8939.313 9007.224
47.5	8427.901 8490.268 8696.773 8847.841 8917.138
48.0	8340.587 8400.182 8598.371 8760.526 8824.280
48.5	8254.658 8318.412 8501.356 8674.598 8713.405
49.0	8163.186 8206.150 8409.884 8585.898 8572.039
49.5	8064.785 8086.960 8319.798 8497.198 8408.498
50.0	7941.436 7987.172 8225.554 8401.568 8211.694
50.5	7829.175 7899.858 8124.380 8299.008 7971.927
51.0	7723.843 7795.912 8023.206 8174.274 7696.125
51.5	7632.371 7694.739 7917.875 8021.820 7431.410
52.0	7545.057 7585.249 7818.087 7844.420 7217.975
52.5	7445.269 7479.918 7716.914 7614.354 7015.628
53.0	7330.236 7366.271 7612.968 7351.026 6712.107
53.5	7212.432 7260.939 7513.180 7076.609 6303.255
54.0	7102.942 7165.310 7407.849 6845.157 5836.193
54.5	7011.470 7059.978 7301.132 6645.582 5449.516

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**CANDELA TABULATION - (Cont.)**

55.0	6919.998	6936.629	7198.572	6396.113	5177.872
55.5	6803.579	6822.982	7093.241	6041.312	4971.367
56.0	6677.459	6731.510	6990.681	5599.197	4770.405
56.5	6572.127	6634.495	6886.736	5187.573	4519.550
57.0	6483.427	6526.391	6777.246	4896.526	4265.923
57.5	6383.639	6405.814	6656.670	4688.635	4055.260
58.0	6268.606	6288.010	6527.777	4519.550	3924.982
58.5	6139.714	6175.748	6369.780	4313.045	3843.211
59.0	6035.769	6066.259	6188.222	4030.313	3775.300
59.5	5934.595	5948.454	5981.717	3796.090	3679.671
60.0	5804.317	5825.106	5737.791	3657.496	3552.164
60.5	5679.582	5719.774	5518.813	3575.725	3390.009
61.0	5567.321	5604.741	5312.308	3506.428	3189.048
61.5	5468.919	5485.550	5072.540	3405.254	2976.999
62.0	5351.114	5359.430	4811.984	3274.976	2764.950
62.5	5205.590	5231.923	4475.200	3104.506	2483.604
63.0	5078.084	5122.434	4095.453	2892.457	2060.893
63.5	4976.910	5014.331	3787.774	2687.338	1719.951
64.0	4853.562	4888.210	3578.497	2482.218	1517.604
64.5	4735.757	4777.335	3419.114	2177.312	1332.027
65.0	4624.882	4663.688	3234.784	1778.161	1048.602
65.5	4477.972	4534.796	3003.332	1502.359	908.622
66.0	4353.237	4415.605	2809.300	1333.967	877.300
66.5	4245.134	4307.501	2692.881	1085.884	862.886
67.0	4127.329	4186.925	2601.409	910.008	850.274
67.5	4003.981	4067.734	2505.779	846.394	837.801
68.0	3876.474	3959.630	2382.431	828.931	826.159
68.5	3765.599	3832.124	2207.802	815.071	814.794
69.0	3657.496	3717.091	2008.227	802.182	803.429
69.5	3536.919	3599.286	1837.756	790.124	791.787
70.0	3419.114	3489.797	1603.533	778.621	780.284
70.5	3305.467	3365.062	1303.061	766.841	769.197
71.0	3205.679	3234.784	1109.445	755.892	758.109
71.5	3090.646	3098.962	963.367	744.943	745.636
72.0	2975.613	2954.824	796.223	732.608	733.578
72.5	2861.966	2770.494	713.620	720.827	720.689
73.0	2755.249	2577.848	692.138	708.908	706.691
73.5	2648.531	2412.921	677.863	696.158	692.554
74.0	2541.814	2238.293	663.865	682.437	677.032
74.5	2436.482	2047.033	650.699	667.607	661.648
75.0	2318.678	1803.108	637.394	652.501	645.571
75.5	2210.574	1632.637	624.643	636.978	628.801
76.0	2102.471	1507.903	612.308	620.901	611.754
76.5	1987.438	1371.526	599.003	604.408	594.152
77.0	1872.405	1226.834	585.698	587.500	576.690
77.5	1755.986	1132.590	571.423	570.453	558.672
78.0	1625.708	1017.696	556.593	552.851	540.655
78.5	1517.604	873.835	540.655	534.418	522.084
79.0	1421.974	762.821	524.578	516.401	503.928
79.5	1322.741	602.191	508.086	498.384	485.356
80.0	1222.538	517.649	491.039	479.812	466.369
80.5	1122.196	438.511	473.991	460.686	447.659
81.0	1020.329	411.624	456.251	441.699	430.750
81.5	919.848	394.854	437.680	422.989	414.535
82.0	829.346	377.391	418.277	404.001	392.914
82.5	748.546	359.790	398.874	385.153	373.788

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**CANDELA TABULATION - (Cont.)**

83.0	661.648	342.604	378.223	365.750	355.216
83.5	576.828	324.726	357.711	346.624	336.229
84.0	494.919	306.431	336.506	326.666	316.687
84.5	418.415	287.028	315.717	305.877	296.314
85.0	342.327	267.486	294.235	283.425	274.000
85.5	302.828	246.697	271.228	259.309	251.132
86.0	259.448	225.215	246.975	233.947	226.324
86.5	196.388	202.763	219.810	206.505	201.238
87.0	163.402	179.341	190.983	177.816	173.935
87.5	142.613	154.948	160.215	148.711	144.554
88.0	121.963	128.199	129.447	116.696	111.568
88.5	99.372	99.372	98.125	82.048	75.672
89.0	72.623	71.653	66.802	53.220	48.924
89.5	45.459	48.092	42.964	36.450	35.341
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-L360-835-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-4-L360-835-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-4-L360-835-CA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4876.08	N.A.	14.00
0-30	10399.84	N.A.	29.80
0-40	17136.8	N.A.	49.10
0-60	30093.42	N.A.	86.20
0-80	34608.6	N.A.	99.10
0-90	34922.97	N.A.	100.00
10-90	33665.58	N.A.	96.40
20-40	12260.73	N.A.	35.10
20-50	19310.52	N.A.	55.30
40-70	16215.7	N.A.	46.40
60-80	4515.17	N.A.	12.90
70-80	1256.09	N.A.	3.60
80-90	314.37	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	34922.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1257.39
10-20	3618.69
20-30	5523.76
30-40	6736.96
40-50	7049.79
50-60	5906.83
60-70	3259.08
70-80	1256.09
80-90	314.37
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-L360-835-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-4-L360-835-CA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

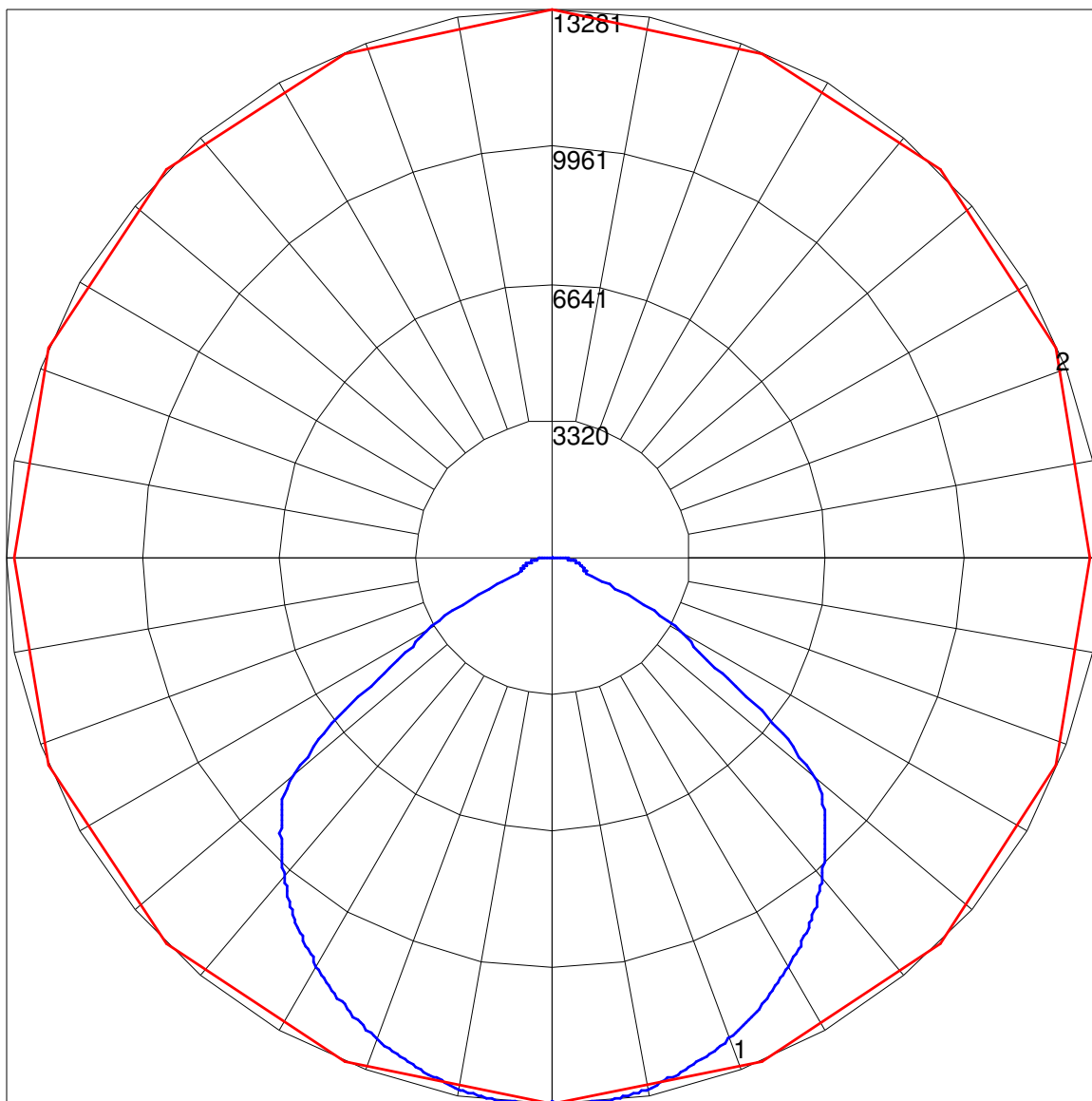
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	24.7	26.3	25.1	26.6	26.9	22.3	23.9	22.7	24.2	24.5
	3H	26.4	27.8	26.8	28.1	28.5	22.4	23.8	22.8	24.1	24.5
	4H	26.9	28.2	27.3	28.6	29.0	22.5	23.8	22.9	24.2	24.5
	6H	27.2	28.4	27.6	28.8	29.2	22.6	23.8	23.0	24.2	24.6
	8H	27.3	28.4	27.7	28.8	29.2	22.7	23.8	23.1	24.2	24.6
	12H	27.3	28.4	27.7	28.8	29.2	22.7	23.8	23.2	24.2	24.6
4H	2H	24.9	26.2	25.3	26.6	27.0	22.9	24.2	23.3	24.6	24.9
	3H	26.8	27.9	27.2	28.3	28.7	23.1	24.2	23.5	24.6	25.0
	4H	27.4	28.4	27.8	28.8	29.2	23.2	24.2	23.7	24.6	25.0
	6H	27.7	28.6	28.2	29.0	29.5	23.4	24.3	23.9	24.7	25.2
	8H	27.8	28.6	28.3	29.0	29.5	23.5	24.3	24.0	24.7	25.2
	12H	27.8	28.5	28.3	29.0	29.5	23.6	24.3	24.1	24.8	25.3
8H	4H	27.3	28.1	27.8	28.6	29.0	23.4	24.2	23.9	24.6	25.1
	6H	27.7	28.3	28.2	28.8	29.3	23.7	24.3	24.2	24.8	25.3
	8H	27.8	28.4	28.3	28.9	29.4	23.8	24.4	24.3	24.9	25.4
	12H	27.9	28.4	28.4	28.9	29.4	24.0	24.5	24.5	25.0	25.6
12H	4H	27.3	28.0	27.8	28.5	29.0	23.4	24.1	23.9	24.6	25.1
	6H	27.7	28.3	28.2	28.7	29.3	23.7	24.3	24.2	24.7	25.3
	8H	27.8	28.3	28.3	28.8	29.3	23.9	24.4	24.4	24.9	25.5

Maximum UGR = 29.5

POLAR GRAPH



Maximum Candela = 13281.463 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.)