



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L360-835-HA-CA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14617179.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 2023-03-14
[TESTDATE] 1/6/2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] GS-4-L360-835-HA-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	13238.489	13238.489	13238.489	13238.489	13238.489
0.5	13074.949	13246.805	13275.910	13255.121	13281.453
1.0	13079.106	13248.191	13277.296	13255.121	13280.068
1.5	13084.650	13246.805	13278.682	13250.963	13275.910
2.0	13083.264	13249.577	13275.910	13252.349	13277.296
2.5	13080.492	13246.805	13277.296	13249.577	13273.138
3.0	13079.106	13241.261	13274.524	13250.963	13275.910
3.5	13074.949	13232.946	13273.138	13250.963	13275.910
4.0	13065.247	13228.788	13268.980	13256.507	13278.682
4.5	13052.774	13220.472	13263.436	13259.278	13281.453
5.0	13036.142	13210.771	13259.278	13256.507	13277.296
5.5	13023.669	13202.455	13253.735	13252.349	13271.752
6.0	13013.967	13194.139	13246.805	13242.647	13260.664
6.5	13000.108	13181.666	13239.875	13232.946	13245.419
7.0	12982.091	13167.806	13226.016	13219.086	13227.402
7.5	12966.845	13155.333	13213.542	13201.069	13207.999
8.0	12952.986	13140.088	13195.525	13181.666	13189.981
8.5	12946.056	13123.456	13178.894	13162.263	13176.122
9.0	12934.969	13105.439	13160.877	13142.860	13159.491
9.5	12919.723	13091.580	13145.631	13129.000	13147.017
10.0	12903.092	13079.106	13129.000	13112.369	13130.386
10.5	12887.847	13065.247	13109.597	13091.580	13110.983
11.0	12871.216	13051.388	13087.422	13068.019	13090.194
11.5	12857.356	13036.142	13065.247	13045.844	13058.317
12.0	12831.023	13016.739	13047.230	13016.739	13016.739
12.5	12801.919	12997.336	13022.283	12977.933	12983.477
13.0	12772.814	12975.161	12995.950	12939.127	12947.442
13.5	12742.323	12944.670	12969.617	12905.864	12907.250
14.0	12709.061	12915.566	12941.898	12868.444	12869.830
14.5	12664.711	12886.461	12908.636	12831.023	12837.953
15.0	12632.834	12857.356	12876.759	12793.603	12813.006
15.5	12614.817	12825.480	12839.339	12757.569	12788.059
16.0	12588.484	12789.445	12801.919	12725.692	12757.569
16.5	12560.765	12756.183	12757.569	12693.815	12729.850
17.0	12542.748	12721.534	12718.762	12661.939	12697.973
17.5	12513.643	12688.272	12677.184	12625.904	12667.482
18.0	12480.381	12649.465	12632.834	12592.642	12631.448
18.5	12444.346	12612.045	12594.028	12552.450	12584.326
19.0	12401.382	12576.011	12545.520	12510.871	12539.976
19.5	12354.260	12538.590	12499.784	12470.679	12503.942
20.0	12309.910	12501.170	12455.434	12427.715	12465.135
20.5	12266.946	12460.978	12415.242	12386.137	12426.329
21.0	12225.368	12418.013	12373.663	12347.331	12384.751
21.5	12176.860	12375.049	12330.699	12308.524	12339.015
22.0	12129.738	12332.085	12287.735	12266.946	12293.279
22.5	12089.546	12286.349	12241.999	12223.982	12251.701
23.0	12049.354	12239.227	12190.719	12174.088	12201.807
23.5	12009.161	12186.562	12140.826	12129.738	12157.457
24.0	11959.268	12139.440	12086.774	12085.388	12108.949
24.5	11916.304	12092.318	12031.336	12035.494	12063.213
25.0	11869.182	12034.108	11971.741	11989.758	12010.547
25.5	11815.130	11985.600	11919.075	11938.479	11960.654
26.0	11752.763	11937.093	11867.796	11887.199	11905.216
26.5	11684.852	11873.339	11817.902	11833.147	11851.164

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CANDELA TABULATION - (Cont.)

27.0	11622.48411810.97211763.85011780.48211797.113
27.5	11561.50311745.83311713.95611727.81611744.447
28.0	11503.29411680.69411659.90511677.92211691.781
28.5	11453.40011615.55511603.08111623.87011634.958
29.0	11397.96211551.80211544.87211560.11711579.520
29.5	11342.52511488.04811486.66211501.90811529.627
30.0	11287.08711417.36511424.29511440.92611471.417
30.5	11231.65011352.22611367.47211378.55911418.751
31.0	11172.05411280.15811310.64811320.35011360.542
31.5	11105.52911209.47511251.05311260.75411302.333
32.0	11036.23211145.72111188.68611199.77311241.351
32.5	10964.16311077.81011129.09011145.72111177.598
33.0	10889.32311011.28511075.03911086.12611119.389
33.5	10817.25410940.60211012.67111025.14511066.723
34.0	10743.79910865.76210944.76010961.39211005.742
34.5	10674.50210792.30710875.46310897.63810941.988
35.0	10610.74910716.08010799.23710835.27110874.077
35.5	10551.15410639.85410711.92310770.13210813.096
36.0	10479.08510558.08310641.24010704.99310749.343
36.5	10404.24410476.31310573.32910637.08210681.432
37.0	10318.31610394.54310498.48810570.55710614.907
37.5	10225.45810314.15810422.26110504.03210544.224
38.0	10136.75810235.16010354.35010434.73510470.769
38.5	10046.67210154.77510289.21110362.66610390.385
39.0	9967.673 10074.39110212.98510285.05310315.544
39.5	9892.833 9988.462 10128.44210203.28310242.089
40.0	9815.220 9898.376 10043.90010125.67010165.863
40.5	9734.836 9808.290 9963.515 10046.67210093.794
41.0	9659.995 9718.204 9881.745 9960.744 10020.339
41.5	9568.523 9626.732 9794.431 9881.745 9935.797
42.0	9467.349 9536.646 9705.731 9797.203 9849.868
42.5	9357.860 9445.174 9615.645 9712.661 9765.326
43.0	9251.143 9352.316 9529.717 9628.118 9683.556
43.5	9151.355 9253.915 9441.016 9542.190 9603.171
44.0	9062.655 9161.057 9360.632 9459.034 9528.331
44.5	8989.200 9069.585 9274.704 9384.193 9447.946
45.0	8912.974 8972.569 9188.776 9306.580 9355.088
45.5	8829.817 8878.325 9095.918 9213.722 9270.546
46.0	8731.416 8781.310 8991.972 9111.163 9179.074
46.5	8630.242 8680.136 8882.483 9026.621 9091.760
47.0	8523.525 8583.120 8789.625 8939.307 9007.218
47.5	8427.895 8490.262 8696.767 8847.835 8917.132
48.0	8340.581 8400.176 8598.366 8760.520 8824.274
48.5	8254.653 8318.406 8501.350 8674.592 8713.399
49.0	8163.181 8206.145 8409.878 8585.892 8572.033
49.5	8064.779 8086.954 8319.792 8497.192 8408.492
50.0	7941.430 7987.166 8225.548 8401.562 8211.689
50.5	7829.169 7899.852 8124.374 8299.003 7971.921
51.0	7723.838 7795.907 8023.201 8174.268 7696.119
51.5	7632.366 7694.733 7917.870 8021.815 7431.405
52.0	7545.052 7585.244 7818.082 7844.415 7217.970
52.5	7445.264 7479.913 7716.908 7614.349 7015.623
53.0	7330.231 7366.266 7612.963 7351.020 6712.103
53.5	7212.427 7260.934 7513.175 7076.605 6303.251
54.0	7102.937 7165.305 7407.844 6845.153 5836.189
54.5	7011.465 7059.973 7301.127 6645.578 5449.512

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CANDELA TABULATION - (Cont.)

55.0	6919.993	6936.625	7198.567	6396.108	5177.868
55.5	6803.575	6822.978	7093.236	6041.308	4971.363
56.0	6677.454	6731.506	6990.676	5599.194	4770.402
56.5	6572.123	6634.490	6886.731	5187.570	4519.547
57.0	6483.423	6526.387	6777.242	4896.522	4265.920
57.5	6383.635	6405.810	6656.665	4688.632	4055.258
58.0	6268.602	6288.005	6527.773	4519.547	3924.979
58.5	6139.710	6175.744	6369.776	4313.042	3843.209
59.0	6035.764	6066.255	6188.218	4030.311	3775.298
59.5	5934.591	5948.450	5981.713	3796.087	3679.668
60.0	5804.313	5825.102	5737.787	3657.493	3552.162
60.5	5679.578	5719.770	5518.809	3575.723	3390.007
61.0	5567.317	5604.737	5312.304	3506.426	3189.046
61.5	5468.915	5485.547	5072.537	3405.252	2976.997
62.0	5351.110	5359.426	4811.980	3274.974	2764.948
62.5	5205.587	5231.920	4475.197	3104.503	2483.603
63.0	5078.081	5122.431	4095.450	2892.455	2060.891
63.5	4976.907	5014.327	3787.771	2687.336	1719.950
64.0	4853.558	4888.207	3578.495	2482.217	1517.603
64.5	4735.754	4777.332	3419.112	2177.310	1332.026
65.0	4624.878	4663.685	3234.782	1778.160	1048.601
65.5	4477.969	4534.792	3003.330	1502.358	908.622
66.0	4353.234	4415.602	2809.298	1333.966	877.299
66.5	4245.131	4307.498	2692.879	1085.883	862.886
67.0	4127.326	4186.922	2601.408	910.008	850.274
67.5	4003.978	4067.731	2505.778	846.393	837.800
68.0	3876.471	3959.628	2382.429	828.930	826.158
68.5	3765.596	3832.121	2207.801	815.071	814.794
69.0	3657.493	3717.088	2008.226	802.181	803.429
69.5	3536.916	3599.284	1837.755	790.124	791.787
70.0	3419.112	3489.794	1603.531	778.621	780.284
70.5	3305.465	3365.060	1303.060	766.840	769.196
71.0	3205.677	3234.782	1109.444	755.891	758.109
71.5	3090.644	3098.960	963.366	744.942	745.635
72.0	2975.611	2954.822	796.222	732.607	733.578
72.5	2861.964	2770.492	713.620	720.827	720.688
73.0	2755.247	2577.847	692.138	708.908	706.690
73.5	2648.529	2412.920	677.863	696.157	692.554
74.0	2541.812	2238.291	663.865	682.436	677.031
74.5	2436.481	2047.032	650.698	667.607	661.647
75.0	2318.676	1803.107	637.393	652.500	645.570
75.5	2210.573	1632.636	624.643	636.978	628.801
76.0	2102.469	1507.902	612.308	620.901	611.753
76.5	1987.437	1371.525	599.003	604.408	594.152
77.0	1872.404	1226.833	585.698	587.500	576.689
77.5	1755.985	1132.589	571.423	570.452	558.672
78.0	1625.706	1017.695	556.593	552.851	540.655
78.5	1517.603	873.835	540.655	534.418	522.083
79.0	1421.973	762.821	524.578	516.401	503.927
79.5	1322.740	602.190	508.085	498.384	485.356
80.0	1222.537	517.648	491.038	479.812	466.368
80.5	1122.195	438.511	473.991	460.686	447.658
81.0	1020.328	411.624	456.251	441.699	430.750
81.5	919.848	394.854	437.680	422.989	414.534
82.0	829.346	377.391	418.276	404.001	392.914
82.5	748.546	359.790	398.873	385.152	373.788

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CANDELA TABULATION - (Cont.)

83.0	661.647	342.604	378.223	365.749	355.216
83.5	576.828	324.726	357.711	346.623	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	246.974	233.947	226.324
86.5	196.388	202.763	219.810	206.505	201.238
87.0	163.402	179.341	190.982	177.816	173.935
87.5	142.613	154.948	160.215	148.711	144.553
88.0	121.963	128.199	129.447	116.696	111.568
88.5	99.372	99.372	98.124	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-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-4-L360-835-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-4-L360-835-HA-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	17136.79	N.A.	49.10
0-60	30093.4	N.A.	86.20
0-80	34608.57	N.A.	99.10
0-90	34922.95	N.A.	100.00
10-90	33665.56	N.A.	96.40
20-40	12260.72	N.A.	35.10
20-50	19310.5	N.A.	55.30
40-70	16215.69	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	34922.95	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	7049.78
50-60	5906.82
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-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-4-L360-835-HA-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

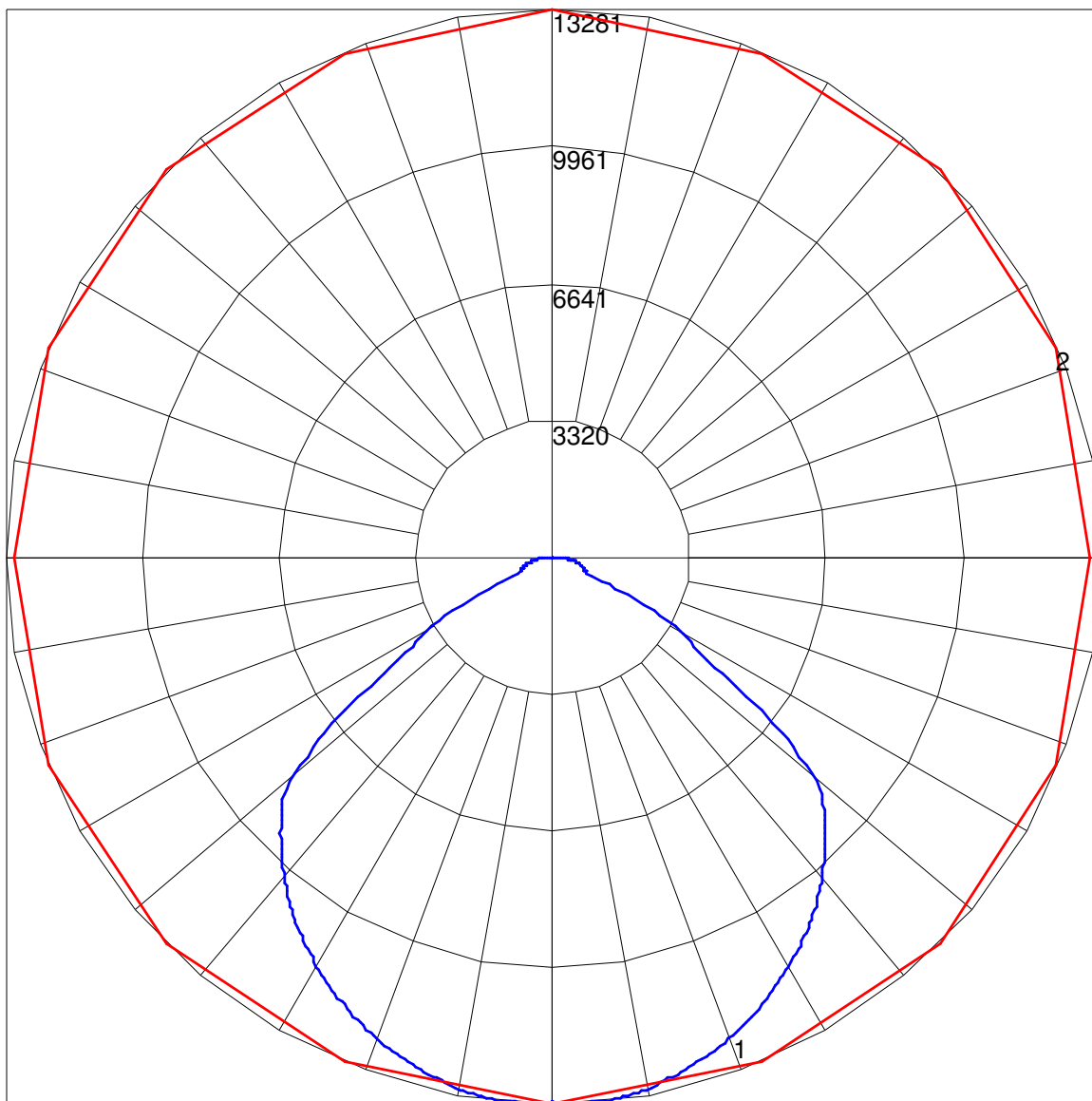
Reflectances

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					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 = 13281.453 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.)