



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L360-840-CA-WG11-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14728072.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 01-11-2024
[TESTDATE] 3/22/2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] GS-4-L360-840-CA-WG11-DIM-UNV
[LUMINAIRE] LED highbay with smooth, clear acrylic sheilding
[LAMP] 224 per board white LEDS
[BALLAST] eldoLED OTI85

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	34203
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	232
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.36 ft
Luminous Width (90-270)	1.24 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	32656	32748	33305
55	31030	31513	23593
65	26927	17670	7105
75	17691	5790	6212
85	4702	4982	5279

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-4-L360-840-CA-WG11-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	13020.0331	3020.0331	3020.0331	3020.0331	3020.0331
0.5	13145.8091	3005.9001	2997.4211	3017.2061	2998.834
1.0	13145.8091	3000.2471	2993.1811	3021.4461	3001.661
1.5	13151.4621	3005.9001	2993.1811	3020.0331	3008.727
2.0	13145.8091	2998.8341	2997.4211	3020.0331	3001.661
2.5	13141.5701	2997.4211	2991.7681	3020.0331	3003.074
3.0	13140.1571	2988.9421	2994.5951	3015.7931	3011.553
3.5	13131.6771	2988.9421	2988.9421	3012.9661	3000.247
4.0	13130.2641	2984.7021	2988.9421	3014.3801	2998.834
4.5	13127.4381	2977.6361	2983.2891	3008.7271	2991.768
5.0	13113.3051	2967.7431	2979.0491	3003.0741	2987.528
5.5	13113.3051	2964.9171	2976.2231	2993.1811	2986.115
6.0	13102.0001	2959.2641	2966.3301	2991.7681	2973.396
6.5	13087.8671	2950.7851	2960.6771	2980.4621	2964.917
7.0	13080.8011	2942.3051	2949.3711	2970.5701	2957.851
7.5	13070.9091	2932.4131	2940.8921	2957.8511	2947.958
8.0	13055.3631	2921.1071	2925.3471	2945.1321	2939.479
8.5	13045.4711	2908.3881	2911.2141	2935.2391	2928.173
9.0	13028.5121	2894.2561	2890.0161	2919.6941	2916.867
9.5	13017.2061	2882.9501	2878.7101	2904.1481	2887.189
10.0	12991.7681	2863.1651	2865.9911	2887.1891	2867.404
10.5	12973.3961	2851.8591	2844.7931	2865.9911	2844.793
11.0	12960.6771	2833.4871	2834.9001	2846.2061	2816.528
11.5	12938.0661	2810.8751	2816.5281	2820.7681	2792.503
12.0	12922.5201	2793.9171	2796.7431	2792.5031	2754.346
12.5	12894.2561	2774.1321	2769.8921	2764.2391	2728.908
13.0	12877.2971	2751.5201	2751.5201	2726.0821	2702.057
13.5	12860.3381	2730.3221	2730.3221	2697.8171	2675.206
14.0	12829.2471	2710.5361	2706.2971	2669.5531	2644.115
14.5	12806.6361	2687.9251	2675.2061	2637.0491	2620.090
15.0	12785.4371	2662.4871	2648.3551	2613.0241	2593.239
15.5	12750.1071	2639.8751	2617.2641	2584.7601	2556.495
16.0	12721.8421	2614.4371	2584.7601	2562.1481	2533.883
16.5	12697.8171	2584.7601	2548.0161	2532.4701	2512.685
17.0	12673.7931	2560.7351	2516.9251	2502.7931	2480.181
17.5	12639.8751	2531.0571	2481.5941	2481.5941	2451.917
18.0	12613.0241	2507.0321	2446.2641	2453.3301	2430.718
18.5	12587.5861	2477.3551	2412.3461	2423.6521	2402.454
19.0	12553.6691	2447.6771	2378.4291	2388.3211	2368.536
19.5	12521.1641	2413.7591	2336.0321	2358.6441	2337.445
20.0	12491.4871	2377.0161	2302.1151	2328.9661	2306.354
20.5	12449.0901	2341.6851	2269.6111	2295.0491	2275.264
21.0	12412.3461	2309.1811	2227.2141	2262.5441	2234.280
21.5	12379.8421	2271.0241	2191.8831	2227.2141	2200.363
22.0	12343.0981	2232.8671	2152.3131	2189.0571	2165.032
22.5	12300.7021	2191.8831	2108.5031	2148.0731	2118.396
23.0	12259.7181	2152.3131	2073.1721	2108.5031	2083.065
23.5	12214.4951	2104.2631	2033.6021	2066.1061	2047.734
24.0	12162.2061	2057.6271	1986.9661	2023.7101	2003.925
24.5	12115.5691	2010.9911	1940.3291	1975.6601	1960.115
25.0	12066.1061	1954.4621	1895.1061	1929.0241	1909.238
25.5	12016.6441	1904.9991	1838.5771	1873.9081	1861.189
26.0	11957.2881	1852.7101	1793.3541	1820.2051	1827.272
26.5	11907.8251	1800.4201	1741.0651	1773.5691	1777.809

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-4-L360-840-CA-WG11-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	11849.88311739.65211685.94911719.86611714.214
27.5	11793.35411680.29611633.66011666.16411668.990
28.0	11743.89111622.35411578.54411613.87511618.114
28.5	11683.12311558.75911523.42811561.58511555.932
29.0	11616.70111496.57711468.31311502.23011505.056
29.5	11555.93211431.56911413.19711447.11411452.767
30.0	11493.75111363.73411356.66811390.58511389.172
30.5	11421.67611301.55211295.89911336.88311334.056
31.0	11346.77511229.47811236.54411280.35411270.461
31.5	11277.52711160.23011174.36211219.58511209.693
32.0	11204.04011092.39511112.18011157.40311146.098
32.5	11143.27111021.73411049.99811093.80811086.742
33.0	11065.54410946.83310980.75011027.38711021.734
33.5	10996.29610873.34510912.91610959.55210945.420
34.0	10929.87410797.03110840.84110894.54410883.238
34.5	10853.56010717.89110770.18010826.70910819.643
35.0	10784.31210648.64310695.27910756.04810747.568
35.5	10699.51910566.67610621.79110683.97310674.081
36.0	10614.72510483.29510545.47710607.65910597.767
36.5	10521.45310397.08910464.92410529.93210525.692
37.0	10428.18010309.46910382.95710450.79110447.965
37.5	10332.08110219.02310299.57610368.82410367.411
38.0	10241.63410129.99010214.78310288.27110291.097
38.5	10152.60110039.54310129.99010204.89010207.717
39.0	10067.808947.684 10043.78310122.92310127.163
39.5	9978.775 9858.650 9956.163 10040.95610046.609
40.0	9888.328 9768.204 9869.956 9956.163 9960.403
40.5	9795.055 9673.518 9782.336 9874.196 9878.436
41.0	9696.130 9581.659 9696.130 9790.816 9792.229
41.5	9594.378 9488.386 9611.336 9707.436 9706.022
42.0	9494.039 9393.700 9522.303 9625.469 9625.469
42.5	9395.113 9299.014 9436.097 9540.675 9542.088
43.0	9301.840 9208.567 9347.063 9457.295 9461.535
43.5	9215.634 9118.121 9256.617 9375.328 9378.154
44.0	9132.253 9026.262 9166.171 9290.534 9297.601
44.5	9046.047 8935.815 9075.724 9208.567 9218.460
45.0	8958.427 8846.782 8983.865 9123.774 9136.493
45.5	8863.741 8756.336 8892.005 9040.394 9055.939
46.0	8763.402 8663.063 8802.972 8955.600 8973.972
46.5	8665.889 8569.790 8712.526 8872.220 8884.939
47.0	8569.790 8475.104 8622.080 8787.427 8805.799
47.5	8477.931 8379.005 8533.046 8699.807 8716.766
48.0	8390.311 8284.319 8442.600 8613.600 8629.146
48.5	8297.038 8189.633 8350.741 8524.567 8542.939
49.0	8192.459 8090.707 8253.228 8434.121 8448.253
49.5	8086.468 7993.195 8154.302 8345.088 8356.393
50.0	7979.063 7892.856 8055.377 8254.641 8246.162
50.5	7871.658 7786.864 7952.211 8161.368 8092.121
51.0	7767.079 7682.286 7849.046 8066.682 7832.087
51.5	7670.980 7579.120 7748.707 7964.930 7432.145
52.0	7570.641 7475.955 7646.955 7860.352 7012.417
52.5	7456.170 7371.376 7548.029 7728.922 6602.582
53.0	7340.285 7263.971 7447.690 7533.897 6259.169
53.5	7227.227 7153.740 7343.112 7218.748 5994.896
54.0	7118.409 7042.095 7232.880 6804.673 5789.979
54.5	7015.244 6929.037 7122.649 6387.772 5583.648

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GS-4-L360-840-CA-WG11-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

55.0	6905.012	6815.979	7012.417	6021.747	5250.127
55.5	6790.541	6704.335	6903.599	5720.731	4867.143
56.0	6669.004	6595.516	6791.954	5493.202	4516.664
56.5	6547.467	6479.632	6680.310	5303.830	4222.713
57.0	6432.996	6362.334	6565.839	5038.143	4065.845
57.5	6317.111	6245.037	6448.541	4659.399	3971.159
58.0	6194.161	6127.739	6331.243	4296.201	3903.325
58.5	6068.384	6009.028	6206.880	3990.945	3836.903
59.0	5942.607	5887.491	6082.516	3800.159	3763.415
59.5	5823.896	5765.954	5944.020	3695.581	3696.994
60.0	5702.359	5641.590	5765.954	3622.093	3630.572
60.5	5576.582	5518.640	5496.028	3552.845	3542.953
61.0	5452.218	5397.102	5138.482	3482.184	3397.390
61.5	5325.028	5274.152	4775.284	3410.109	3200.952
62.0	5195.011	5148.375	4455.895	3335.209	2905.589
62.5	5069.234	5021.185	4198.688	3251.828	2515.539
63.0	4937.805	4896.821	4002.250	3104.853	2163.646
63.5	4807.788	4769.631	3801.573	2902.762	1937.530
64.0	4677.771	4642.441	3492.076	2576.307	1710.001
64.5	4550.581	4519.490	3165.622	2215.935	1407.006
65.0	4414.912	4390.887	2897.109	1923.398	1164.921
65.5	4279.242	4259.457	2733.175	1704.348	1052.852
66.0	4147.812	4130.854	2638.489	1461.274	1016.391
66.5	4007.903	4000.837	2560.762	1174.954	996.323
67.0	3875.060	3869.407	2481.621	1005.085	975.407
67.5	3740.804	3740.804	2402.481	949.545	956.046
68.0	3605.134	3616.440	2321.927	927.499	934.989
68.5	3472.291	3485.010	2234.307	906.724	915.628
69.0	3332.382	3350.754	2085.919	885.667	895.701
69.5	3199.539	3219.324	1821.646	864.186	875.634
70.0	3068.109	3089.308	1527.695	843.695	855.424
70.5	2931.027	2962.117	1326.593	823.062	833.802
71.0	2798.183	2832.101	1119.132	802.005	812.463
71.5	2662.514	2703.497	894.712	780.948	790.699
72.0	2535.324	2570.654	740.388	758.901	768.229
72.5	2402.481	2413.787	693.328	737.138	746.465
73.0	2269.638	2225.828	669.162	714.667	722.440
73.5	2145.274	2019.497	646.974	692.197	698.274
74.0	2022.324	1804.687	624.645	669.162	674.249
74.5	1895.133	1596.943	602.881	646.267	647.822
75.0	1776.423	1428.769	581.400	621.960	623.797
75.5	1656.299	1256.356	560.061	597.794	597.652
76.0	1539.001	1091.574	538.297	572.921	572.780
76.5	1430.183	978.234	516.816	548.331	547.059
77.0	1316.418	904.322	494.911	523.317	522.186
77.5	1211.840	838.890	473.147	499.292	498.161
78.0	1105.141	761.869	451.384	474.702	472.582
78.5	1011.444	669.444	428.913	450.818	448.275
79.0	916.758	540.841	407.291	426.935	424.956
79.5	827.725	434.990	385.104	402.910	400.508
80.0	739.399	350.338	363.199	380.157	377.755
80.5	662.519	301.299	340.728	356.980	354.719
81.0	586.629	279.536	319.530	334.651	331.684
81.5	514.979	259.609	298.332	312.464	310.344
82.0	451.242	241.237	277.557	291.265	289.146
82.5	388.354	223.431	257.207	270.491	268.937

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GS-4-L360-840-CA-WG11-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	331.684	206.189	237.846	250.706	249.293
83.5	278.970	189.513	219.615	231.203	230.214
84.0	235.302	173.261	201.667	212.973	211.418
84.5	193.329	157.857	184.708	195.308	194.177
85.0	158.988	144.149	168.456	179.055	178.490
85.5	128.745	130.441	153.335	163.227	162.945
86.0	105.144	118.004	139.203	148.954	149.236
86.5	86.913	106.274	126.060	135.811	137.083
87.0	73.064	95.675	114.047	123.516	125.494
87.5	62.606	84.369	102.176	113.058	115.036
88.0	54.550	73.912	91.718	101.893	102.741
88.5	46.071	61.617	77.869	82.956	77.586
89.0	33.776	43.951	53.844	48.898	44.517
89.5	25.862	27.699	22.329	21.481	21.198
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-4-L360-840-CA-WG11-DIM-UNV_.IES

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-L360-840-CA-WG11-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-L360-840-CA-WG11-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-L360-840-CA-WG11-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4813.04	N.A.	14.10
0-30	10315.02	N.A.	30.20
0-40	17007.33	N.A.	49.70
0-60	29759.76	N.A.	87.00
0-80	34003.3	N.A.	99.40
0-90	34203.14	N.A.	100.00
10-90	32965.57	N.A.	96.40
20-40	12194.28	N.A.	35.70
20-50	19139.33	N.A.	56.00
40-70	15922.79	N.A.	46.60
60-80	4243.54	N.A.	12.40
70-80	1073.19	N.A.	3.10
80-90	199.84	N.A.	0.60
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	34203.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1237.56
10-20	3575.48
20-30	5501.98
30-40	6692.31
40-50	6945.05
50-60	5807.39
60-70	3170.35
70-80	1073.19
80-90	199.84
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-L360-840-CA-WG11-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	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	42
7	67	54	46	40	65	53	45	40	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L360-840-CA-WG11-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

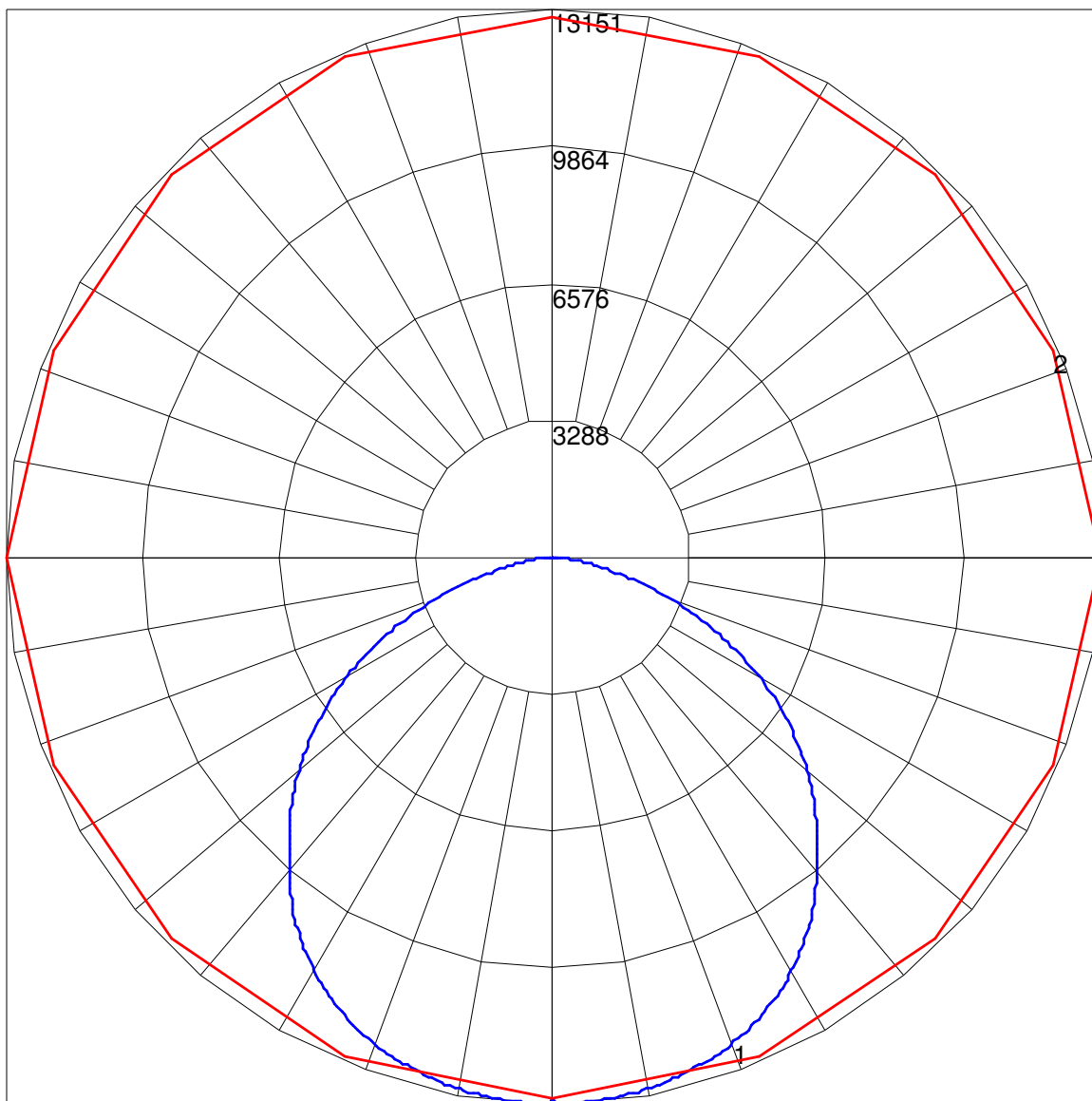
X=2H	Y=2H	24.5	26.0	24.8	26.3	26.7	22.1	23.7	22.5	24.0	24.3
	3H	26.0	27.4	26.4	27.7	28.1	22.2	23.6	22.6	24.0	24.3
	4H	26.4	27.6	26.8	28.0	28.4	22.4	23.7	22.8	24.0	24.4
	6H	26.5	27.7	26.9	28.0	28.4	22.4	23.6	22.8	24.0	24.4
	8H	26.5	27.6	26.9	28.0	28.4	22.4	23.6	22.9	24.0	24.4
	12H	26.5	27.6	26.9	27.9	28.4	22.5	23.5	22.9	23.9	24.4

UGR Viewed Endwise

4H	2H	24.7	26.0	25.1	26.3	26.7	22.6	23.9	23.0	24.3	24.6
	3H	26.3	27.4	26.7	27.8	28.2	22.9	23.9	23.3	24.3	24.7
	4H	26.8	27.7	27.2	28.1	28.6	23.0	24.0	23.4	24.4	24.8
	6H	26.9	27.8	27.4	28.2	28.7	23.1	24.0	23.6	24.4	24.9
	8H	26.9	27.7	27.4	28.1	28.6	23.1	23.9	23.6	24.4	24.8
	12H	26.9	27.6	27.4	28.1	28.6	23.2	23.9	23.7	24.4	24.8
8H	4H	26.7	27.5	27.1	27.9	28.4	23.1	23.9	23.6	24.3	24.8
	6H	26.9	27.5	27.4	28.0	28.5	23.3	23.9	23.8	24.4	24.9
	8H	26.9	27.4	27.4	28.0	28.4	23.3	23.9	23.9	24.4	24.9
	12H	26.9	27.4	27.4	27.9	28.4	23.4	23.9	23.9	24.4	25.0
12H	4H	26.7	27.4	27.1	27.8	28.3	23.1	23.8	23.6	24.3	24.8
	6H	26.8	27.4	27.4	27.9	28.4	23.3	23.9	23.8	24.3	24.9
	8H	26.8	27.4	27.4	27.8	28.4	23.4	23.9	23.9	24.4	24.9

Maximum UGR = 28.7

POLAR GRAPH



Maximum Candela = 13151.462 Located At Horizontal Angle = 0, Vertical Angle = 1.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)