



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L360-840-CA-EM10W-WG11-DIM-UNV_EMER MODE ONLY.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14728072.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 01-11-2024
[TEST DATE] 3/22/2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] GS-4-L360-840-CA-EM10W-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	1397
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	10
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	1333	1337	1360
55	1267	1287	963
65	1099	721	290
75	722	236	254
85	192	203	216

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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	531.607	531.607	531.607	531.607	531.607
0.5	536.743	531.030	530.684	531.492	530.742
1.0	536.743	530.799	530.511	531.665	530.857
1.5	536.973	531.030	530.511	531.607	531.145
2.0	536.743	530.742	530.684	531.607	530.857
2.5	536.569	530.684	530.453	531.607	530.915
3.0	536.512	530.338	530.568	531.434	531.261
3.5	536.166	530.338	530.338	531.319	530.799
4.0	536.108	530.165	530.338	531.376	530.742
4.5	535.992	529.876	530.107	531.145	530.453
5.0	535.415	529.472	529.934	530.915	530.280
5.5	535.415	529.357	529.818	530.511	530.222
6.0	534.954	529.126	529.414	530.453	529.703
6.5	534.377	528.780	529.184	529.991	529.357
7.0	534.088	528.433	528.722	529.587	529.068
7.5	533.684	528.030	528.376	529.068	528.664
8.0	533.050	527.568	527.741	528.549	528.318
8.5	532.646	527.049	527.164	528.145	527.856
9.0	531.953	526.472	526.298	527.510	527.395
9.5	531.492	526.010	525.837	526.876	526.183
10.0	530.453	525.202	525.318	526.183	525.375
10.5	529.703	524.741	524.452	525.318	524.452
11.0	529.184	523.990	524.048	524.510	523.298
11.5	528.260	523.067	523.298	523.471	522.317
12.0	527.626	522.375	522.490	522.317	520.759
12.5	526.472	521.567	521.394	521.163	519.720
13.0	525.779	520.644	520.644	519.605	518.624
13.5	525.087	519.778	519.778	518.451	517.528
14.0	523.817	518.970	518.797	517.297	516.258
14.5	522.894	518.047	517.528	515.970	515.277
15.0	522.029	517.008	516.431	514.989	514.181
15.5	520.586	516.085	515.162	513.835	512.681
16.0	519.432	515.047	513.835	512.912	511.758
16.5	518.451	513.835	512.335	511.700	510.892
17.0	517.470	512.854	511.065	510.488	509.565
17.5	516.085	511.642	509.623	509.623	508.411
18.0	514.989	510.661	508.180	508.469	507.545
18.5	513.950	509.450	506.795	507.257	506.391
19.0	512.565	508.238	505.410	505.814	505.007
19.5	511.238	506.853	503.679	504.603	503.737
20.0	510.027	505.353	502.295	503.391	502.468
20.5	508.296	503.910	500.967	502.006	501.198
21.0	506.795	502.583	499.236	500.679	499.525
21.5	505.468	501.025	497.794	499.236	498.140
22.0	503.968	499.467	496.178	497.678	496.697
22.5	502.237	497.794	494.389	496.005	494.793
23.0	500.563	496.178	492.947	494.389	493.351
23.5	498.717	494.216	491.331	492.658	491.908
24.0	496.582	492.312	489.427	490.927	490.119
24.5	494.678	490.408	487.523	488.965	488.331
25.0	492.658	488.100	485.676	487.061	486.253
25.5	490.639	486.080	483.368	484.811	484.292
26.0	488.215	483.945	481.522	482.618	482.907
26.5	486.196	481.810	479.387	480.714	480.887

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GS-4-L360-840-CA-EM10W-WG11-DIM-UNV_EMER MODE ONLY.IES****CANDELA TABULATION - (Cont.)**

27.0	483.830	479.329	477.137	478.521	478.291
27.5	481.522	476.906	475.002	476.329	476.444
28.0	479.502	474.540	472.751	474.194	474.367
28.5	477.021	471.943	470.501	472.059	471.828
29.0	474.309	469.404	468.250	469.635	469.751
29.5	471.828	466.750	466.000	467.385	467.616
30.0	469.289	463.981	463.692	465.077	465.019
30.5	466.346	461.442	461.211	462.884	462.769
31.0	463.288	458.499	458.787	460.576	460.172
31.5	460.461	455.671	456.248	458.095	457.691
32.0	457.460	452.902	453.710	455.556	455.094
32.5	454.979	450.017	451.171	452.959	452.671
33.0	451.805	446.958	448.343	450.247	450.017
33.5	448.978	443.958	445.574	447.478	446.901
34.0	446.266	440.842	442.631	444.823	444.362
34.5	443.150	437.611	439.746	442.054	441.765
35.0	440.323	434.783	436.688	439.169	438.823
35.5	436.861	431.437	433.687	436.226	435.822
36.0	433.399	428.032	430.571	433.110	432.706
36.5	429.590	424.512	427.282	429.936	429.763
37.0	425.782	420.935	423.935	426.705	426.590
37.5	421.858	417.242	420.531	423.358	423.301
38.0	418.165	413.607	417.069	420.069	420.185
38.5	414.530	409.914	413.607	416.665	416.780
39.0	411.068	406.163	410.087	413.318	413.491
39.5	407.433	402.528	406.509	409.972	410.202
40.0	403.740	398.835	402.990	406.509	406.683
40.5	399.931	394.969	399.412	403.163	403.336
41.0	395.892	391.218	395.892	399.758	399.816
41.5	391.738	387.410	392.430	396.354	396.296
42.0	387.641	383.544	388.795	393.007	393.007
42.5	383.602	379.678	385.275	389.545	389.603
43.0	379.794	375.985	381.640	386.141	386.314
43.5	376.274	372.292	377.947	382.794	382.909
44.0	372.869	368.542	374.254	379.332	379.620
44.5	369.349	364.849	370.561	375.985	376.389
45.0	365.772	361.214	366.811	372.523	373.042
45.5	361.906	357.521	363.060	369.119	369.753
46.0	357.809	353.712	359.425	365.657	366.407
46.5	353.828	349.904	355.732	362.252	362.771
47.0	349.904	346.038	352.039	358.790	359.540
47.5	346.153	342.114	348.404	355.213	355.905
48.0	342.576	338.248	344.711	351.693	352.327
48.5	338.768	334.382	340.960	348.058	348.808
49.0	334.498	330.343	336.979	344.365	344.942
49.5	330.170	326.362	332.940	340.729	341.191
50.0	325.785	322.265	328.900	337.036	336.690
50.5	321.399	317.937	324.688	333.228	330.401
51.0	317.129	313.667	320.476	329.362	319.784
51.5	313.206	309.455	316.379	325.208	303.454
52.0	309.109	305.243	312.225	320.938	286.317
52.5	304.435	300.973	308.186	315.571	269.583
53.0	299.703	296.587	304.089	307.609	255.561
53.5	295.087	292.087	299.819	294.741	244.771
54.0	290.644	287.528	295.318	277.834	236.404
54.5	286.432	282.912	290.817	260.812	227.980

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GS-4-L360-840-CA-EM10W-WG11-DIM-UNV_EMER MODE ONLY.IES****CANDELA TABULATION - (Cont.)**

55.0	281.931	278.296	286.317	245.868	214.362
55.5	277.257	273.738	281.873	233.577	198.725
56.0	272.295	269.294	277.315	224.287	184.415
56.5	267.333	264.563	272.757	216.555	172.413
57.0	262.659	259.774	268.083	205.707	166.008
57.5	257.927	254.984	263.294	190.243	162.142
58.0	252.907	250.195	258.504	175.414	159.372
58.5	247.772	245.348	253.426	162.950	156.660
59.0	242.636	240.386	248.349	155.160	153.660
59.5	237.789	235.424	242.694	150.890	150.948
60.0	232.827	230.346	235.424	147.890	148.236
60.5	227.691	225.326	224.402	145.062	144.659
61.0	222.614	220.363	209.804	142.177	138.715
61.5	217.421	215.343	194.975	139.235	130.695
62.0	212.112	210.208	181.934	136.176	118.635
62.5	206.977	205.015	171.432	132.772	102.709
63.0	201.610	199.937	163.412	126.771	88.342
63.5	196.302	194.744	155.218	118.520	79.109
64.0	190.993	189.551	142.581	105.190	69.819
64.5	185.800	184.530	129.252	90.476	57.448
65.0	180.261	179.280	118.289	78.532	47.564
65.5	174.721	173.913	111.595	69.588	42.988
66.0	169.355	168.662	107.729	59.664	41.499
66.5	163.642	163.354	104.556	47.973	40.680
67.0	158.218	157.988	101.324	41.038	39.826
67.5	152.737	152.737	98.093	38.770	39.035
68.0	147.197	147.659	94.804	37.870	38.176
68.5	141.773	142.293	91.227	37.021	37.385
69.0	136.061	136.811	85.168	36.162	36.571
69.5	130.637	131.445	74.378	35.285	35.752
70.0	125.271	126.136	62.376	34.448	34.927
70.5	119.674	120.943	54.165	33.606	34.044
71.0	114.250	115.634	45.694	32.746	33.173
71.5	108.710	110.384	36.531	31.886	32.284
72.0	103.517	104.960	30.230	30.986	31.367
72.5	98.093	98.555	28.309	30.097	30.478
73.0	92.669	90.880	27.322	29.180	29.497
73.5	87.591	82.456	26.416	28.262	28.510
74.0	82.571	73.685	25.504	27.322	27.530
74.5	77.378	65.203	24.616	26.387	26.451
75.0	72.531	58.337	23.739	25.395	25.470
75.5	67.627	51.297	22.867	24.408	24.402
76.0	62.837	44.569	21.979	23.392	23.387
76.5	58.394	39.941	21.102	22.388	22.336
77.0	53.749	36.923	20.207	21.367	21.321
77.5	49.479	34.252	19.319	20.386	20.340
78.0	45.123	31.107	18.430	19.382	19.295
78.5	41.297	27.333	17.513	18.407	18.303
79.0	37.431	22.082	16.630	17.432	17.351
79.5	33.796	17.761	15.724	16.451	16.353
80.0	30.190	14.304	14.829	15.522	15.424
80.5	27.051	12.302	13.912	14.575	14.483
81.0	23.952	11.413	13.046	13.664	13.543
81.5	21.027	10.600	12.181	12.758	12.671
82.0	18.424	9.850	11.333	11.892	11.806
82.5	15.856	9.123	10.502	11.044	10.981

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GS-4-L360-840-CA-EM10W-WG11-DIM-UNV_EMER MODE ONLY.IES****CANDELA TABULATION - (Cont.)**

83.0	13.543	8.419	9.711	10.236	10.179
83.5	11.390	7.738	8.967	9.440	9.400
84.0	9.607	7.074	8.234	8.696	8.632
84.5	7.894	6.445	7.542	7.974	7.928
85.0	6.491	5.886	6.878	7.311	7.288
85.5	5.257	5.326	6.261	6.665	6.653
86.0	4.293	4.818	5.684	6.082	6.093
86.5	3.549	4.339	5.147	5.545	5.597
87.0	2.983	3.906	4.657	5.043	5.124
87.5	2.556	3.445	4.172	4.616	4.697
88.0	2.227	3.018	3.745	4.160	4.195
88.5	1.881	2.516	3.179	3.387	3.168
89.0	1.379	1.795	2.198	1.996	1.818
89.5	1.056	1.131	0.912	0.877	0.866
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-L360-840-CA-EM10W-WG11-DIM-UNV_EMER MODE ONLY.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-EM10W-WG11-DIM-UNV_EMER MODE ONLY.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-EM10W-WG11-DIM-UNV_EMER MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	196.52	N.A.	14.10
0-30	421.16	N.A.	30.20
0-40	694.41	N.A.	49.70
0-60	1215.09	N.A.	87.00
0-80	1388.35	N.A.	99.40
0-90	1396.51	N.A.	100.00
10-90	1345.98	N.A.	96.40
20-40	497.89	N.A.	35.70
20-50	781.46	N.A.	56.00
40-70	650.13	N.A.	46.60
60-80	173.26	N.A.	12.40
70-80	43.82	N.A.	3.10
80-90	8.16	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	1396.51	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.53
10-20	145.99
20-30	224.65
30-40	273.25
40-50	283.57
50-60	237.12
60-70	129.45
70-80	43.82
80-90	8.16
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-EM10W-WG11-DIM-UNV_EMER MODE ONLY.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	99	97	94	96	93	91	92	90	89	87
2	101	93	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	41
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	29
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-EM10W-WG11-DIM-UNV_EMER MODE ONLY.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	13.4	14.9	13.7	15.2	15.6	UGR Viewed Endwise			
	3H	14.9	16.3	15.3	16.6	17.0	11.0	12.6	11.4	12.9
	4H	15.3	16.5	15.7	16.9	17.3	11.1	12.5	11.5	12.9
	6H	15.4	16.6	15.8	16.9	17.3	11.3	12.6	11.7	12.9
	8H	15.4	16.5	15.8	16.9	17.3	11.3	12.5	11.7	12.9
	12H	15.4	16.5	15.8	16.8	17.3	11.3	12.5	11.8	12.9

4H	2H	13.6	14.9	14.0	15.2	15.6	11.0	12.6	11.4	12.9
	3H	15.2	16.3	15.6	16.7	17.1	11.1	12.5	11.5	12.9
	4H	15.7	16.6	16.1	17.0	17.5	11.3	12.6	11.7	12.9
	6H	15.8	16.7	16.3	17.1	17.6	11.3	12.5	11.7	12.9
	8H	15.8	16.6	16.3	17.0	17.5	11.3	12.5	11.8	12.9
	12H	15.8	16.5	16.3	17.0	17.5	11.3	12.5	11.8	12.9

8H	4H	15.6	16.4	16.0	16.8	17.3	11.4	12.5	11.8	12.8
	6H	15.8	16.4	16.3	16.9	17.4	11.4	12.5	11.8	12.8
	8H	15.8	16.3	16.3	16.9	17.3	11.4	12.5	11.8	12.8
	12H	15.8	16.3	16.3	16.8	17.3	11.4	12.5	11.8	12.8

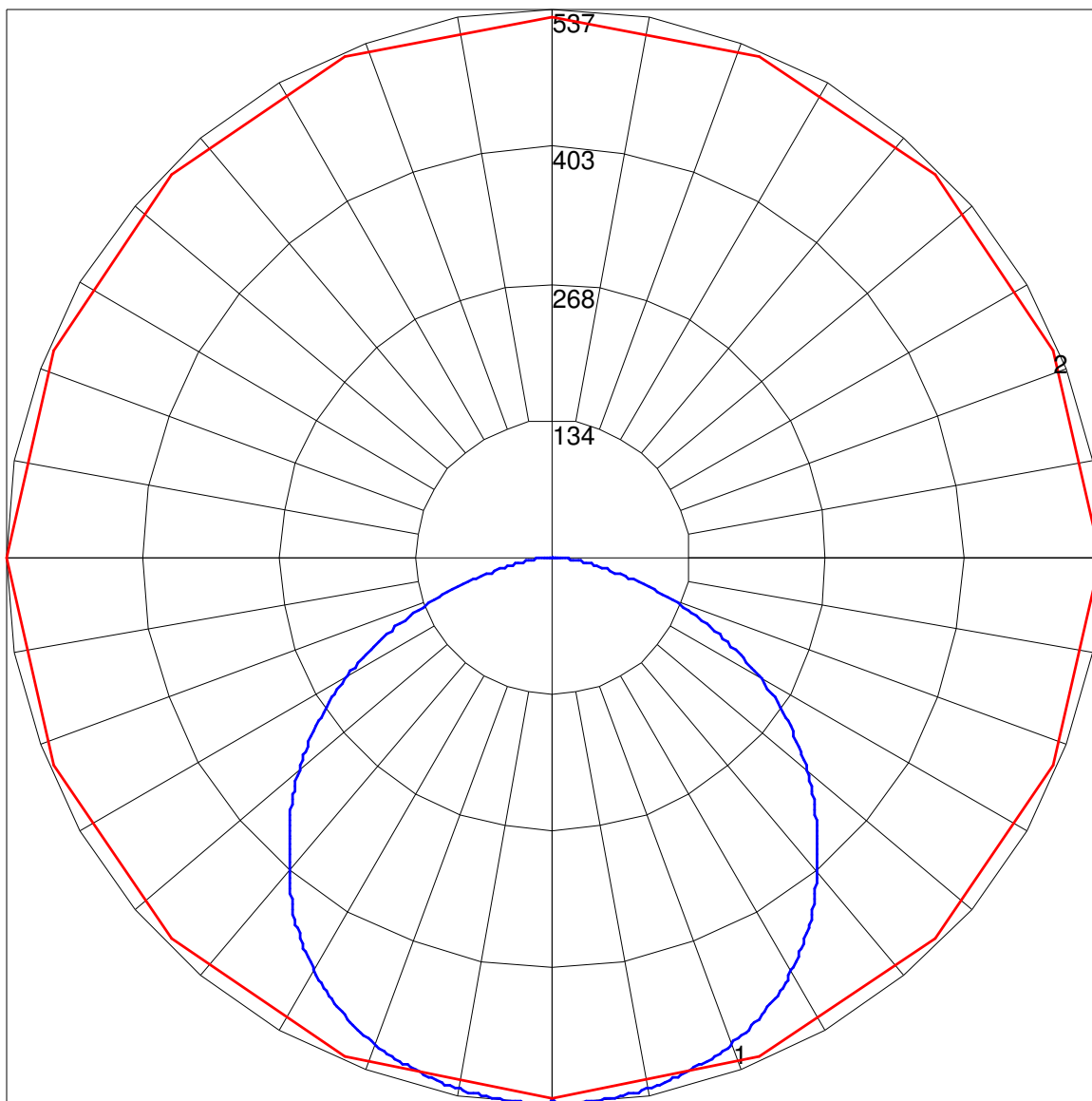
12H	4H	15.6	16.3	16.0	16.7	17.2	11.4	12.5	11.8	12.8
	6H	15.7	16.3	16.3	16.8	17.3	11.4	12.5	11.8	12.8
	8H	15.7	16.3	16.3	16.8	17.3	11.4	12.5	11.8	12.8

Maximum UGR = 17.6

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L360-840-CA-EM10W-WG11-DIM-UNV_EMER MODE ONLY.IES

POLAR GRAPH



Maximum Candela = 536.973 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.)