

IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14617179.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2026-03-24
[TEST DATE] 1/6/2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] GS-4-L360-840-CA-EM/10W-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	1550
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	10
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	1534	1582	1610
55	1468	1528	1099
65	1332	932	302
75	1090	300	304
85	478	411	383

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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	587.544	587.544	587.544	587.544	587.544
0.5	580.285	587.913	589.204	588.282	589.450
1.0	580.470	587.974	589.266	588.282	589.389
1.5	580.716	587.913	589.327	588.097	589.204
2.0	580.654	588.036	589.204	588.159	589.266
2.5	580.531	587.913	589.266	588.036	589.081
3.0	580.470	587.667	589.143	588.097	589.204
3.5	580.285	587.297	589.081	588.097	589.204
4.0	579.855	587.113	588.897	588.343	589.327
4.5	579.301	586.744	588.651	588.466	589.450
5.0	578.563	586.313	588.466	588.343	589.266
5.5	578.009	585.944	588.220	588.159	589.020
6.0	577.579	585.575	587.913	587.728	588.528
6.5	576.964	585.022	587.605	587.297	587.851
7.0	576.164	584.407	586.990	586.682	587.051
7.5	575.488	583.853	586.436	585.883	586.190
8.0	574.872	583.176	585.637	585.022	585.391
8.5	574.565	582.438	584.899	584.160	584.776
9.0	574.073	581.639	584.099	583.299	584.037
9.5	573.396	581.023	583.422	582.684	583.484
10.0	572.658	580.470	582.684	581.946	582.746
10.5	571.981	579.855	581.823	581.023	581.885
11.0	571.243	579.240	580.839	579.978	580.962
11.5	570.628	578.563	579.855	578.994	579.547
12.0	569.460	577.702	579.055	577.702	577.702
12.5	568.168	576.841	577.948	575.980	576.226
13.0	566.876	575.857	576.779	574.257	574.626
13.5	565.523	574.503	575.611	572.781	572.843
14.0	564.047	573.212	574.380	571.120	571.182
14.5	562.078	571.920	572.904	569.460	569.767
15.0	560.664	570.628	571.489	567.799	568.660
15.5	559.864	569.214	569.829	566.200	567.553
16.0	558.695	567.614	568.168	564.785	566.200
16.5	557.465	566.138	566.200	563.370	564.969
17.0	556.666	564.600	564.477	561.955	563.555
17.5	555.374	563.124	562.632	560.356	562.201
18.0	553.898	561.402	560.664	558.880	560.602
18.5	552.298	559.741	558.941	557.096	558.511
19.0	550.391	558.142	556.789	555.251	556.542
19.5	548.300	556.481	554.759	553.467	554.943
20.0	546.332	554.820	552.790	551.560	553.221
20.5	544.425	553.036	551.007	549.715	551.499
21.0	542.580	551.130	549.161	547.993	549.653
21.5	540.427	549.223	547.254	546.270	547.624
22.0	538.336	547.316	545.348	544.425	545.594
22.5	536.552	545.286	543.318	542.518	543.748
23.0	534.768	543.195	541.042	540.304	541.534
23.5	532.984	540.857	538.828	538.336	539.566
24.0	530.770	538.766	536.429	536.367	537.413
24.5	528.863	536.675	533.968	534.153	535.383
25.0	526.772	534.091	531.323	532.123	533.046
25.5	524.373	531.938	528.986	529.847	530.831
26.0	521.605	529.786	526.710	527.571	528.371
26.5	518.591	526.956	524.496	525.172	525.972

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

27.0	515.823	524.188	522.097	522.835	523.573
27.5	513.116	521.297	519.883	520.498	521.236
28.0	510.533	518.406	517.484	518.283	518.898
28.5	508.319	515.515	514.962	515.884	516.376
29.0	505.858	512.686	512.378	513.055	513.916
29.5	503.398	509.856	509.795	510.471	511.702
30.0	500.937	506.719	507.027	507.765	509.118
30.5	498.477	503.828	504.505	504.997	506.781
31.0	495.832	500.630	501.983	502.414	504.197
31.5	492.880	497.493	499.338	499.769	501.614
32.0	489.804	494.663	496.570	497.062	498.908
32.5	486.606	491.649	493.925	494.663	496.078
33.0	483.284	488.697	491.526	492.018	493.495
33.5	480.086	485.560	488.758	489.312	491.157
34.0	476.826	482.238	485.744	486.483	488.451
34.5	473.750	478.978	482.669	483.653	485.621
35.0	470.921	475.595	479.286	480.885	482.607
35.5	468.276	472.212	475.411	477.994	479.901
36.0	465.077	468.583	472.274	475.103	477.072
36.5	461.756	464.954	469.260	472.089	474.058
37.0	457.942	461.325	465.938	469.137	471.105
37.5	453.821	457.757	462.555	466.184	467.968
38.0	449.884	454.251	459.541	463.109	464.708
38.5	445.886	450.684	456.650	459.910	461.140
39.0	442.380	447.116	453.267	456.466	457.819
39.5	439.058	443.303	449.515	452.837	454.559
40.0	435.614	439.304	445.763	449.392	451.176
40.5	432.046	435.306	442.195	445.886	447.977
41.0	428.725	431.308	438.566	442.072	444.717
41.5	424.665	427.248	434.691	438.566	440.965
42.0	420.175	423.250	430.755	434.814	437.152
42.5	415.316	419.191	426.756	431.062	433.399
43.0	410.579	415.069	422.943	427.310	429.770
43.5	406.151	410.702	419.006	423.496	426.203
44.0	402.214	406.581	415.439	419.806	422.881
44.5	398.954	402.521	411.625	416.484	419.314
45.0	395.571	398.216	407.811	413.040	415.193
45.5	391.880	394.033	403.690	408.918	411.440
46.0	387.513	389.727	399.077	404.367	407.381
46.5	383.023	385.237	394.218	400.615	403.506
47.0	378.287	380.931	390.096	396.740	399.753
47.5	374.042	376.810	385.975	392.680	395.755
48.0	370.167	372.812	381.608	388.805	391.634
48.5	366.354	369.183	377.302	384.991	386.713
49.0	362.294	364.201	373.243	381.054	380.439
49.5	357.927	358.911	369.245	377.118	373.181
50.0	352.452	354.482	365.062	372.874	364.447
50.5	347.470	350.607	360.572	368.322	353.806
51.0	342.795	345.994	356.081	362.786	341.565
51.5	338.736	341.504	351.407	356.020	329.817
52.0	334.860	336.644	346.978	348.147	320.344
52.5	330.432	331.969	342.488	337.936	311.364
53.0	325.326	326.926	337.874	326.249	297.893
53.5	320.098	322.251	333.446	314.070	279.747
54.0	315.239	318.007	328.771	303.798	259.019
54.5	311.179	313.332	324.035	294.940	241.857

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

55.0	307.119	307.858	319.483	283.869	229.801
55.5	301.953	302.814	314.808	268.122	220.636
56.0	296.355	298.754	310.256	248.500	211.717
56.5	291.680	294.448	305.643	230.232	200.584
57.0	287.744	289.651	300.784	217.315	189.328
57.5	283.315	284.299	295.433	208.088	179.978
58.0	278.210	279.071	289.712	200.584	174.196
58.5	272.489	274.089	282.700	191.419	170.567
59.0	267.876	269.229	274.642	178.871	167.553
59.5	263.386	264.001	265.477	168.476	163.309
60.0	257.604	258.527	254.651	162.325	157.650
60.5	252.068	253.852	244.933	158.696	150.453
61.0	247.086	248.746	235.768	155.620	141.535
61.5	242.718	243.457	225.127	151.130	132.123
62.0	237.490	237.859	213.563	145.348	122.712
62.5	231.032	232.200	198.616	137.782	110.226
63.0	225.373	227.341	181.762	128.371	91.465
63.5	220.882	222.543	168.107	119.268	76.334
64.0	215.408	216.946	158.819	110.164	67.353
64.5	210.180	212.025	151.745	96.632	59.117
65.0	205.259	206.981	143.564	78.917	46.538
65.5	198.739	201.261	133.292	66.677	40.326
66.0	193.203	195.971	124.681	59.203	38.936
66.5	188.405	191.173	119.514	48.193	38.296
67.0	183.177	185.822	115.454	40.387	37.736
67.5	177.702	180.532	111.210	37.564	37.183
68.0	172.043	175.734	105.736	36.789	36.666
68.5	167.123	170.075	97.985	36.174	36.162
69.0	162.325	164.970	89.128	35.602	35.657
69.5	156.974	159.741	81.562	35.067	35.141
70.0	151.745	154.882	71.167	34.556	34.630
70.5	146.701	149.346	57.832	34.033	34.138
71.0	142.273	143.564	49.239	33.548	33.646
71.5	137.167	137.536	42.756	33.062	33.092
72.0	132.062	131.139	35.337	32.514	32.557
72.5	127.018	122.958	31.671	31.991	31.985
73.0	122.282	114.409	30.718	31.462	31.364
73.5	117.546	107.089	30.085	30.896	30.737
74.0	112.809	99.339	29.463	30.288	30.048
74.5	108.135	90.850	28.879	29.629	29.365
75.0	102.906	80.025	28.288	28.959	28.651
75.5	98.108	72.459	27.723	28.270	27.907
76.0	93.311	66.923	27.175	27.556	27.151
76.5	88.205	60.870	26.585	26.825	26.369
77.0	83.100	54.449	25.994	26.074	25.594
77.5	77.933	50.266	25.361	25.318	24.795
78.0	72.151	45.167	24.702	24.536	23.995
78.5	67.353	38.782	23.995	23.718	23.171
79.0	63.109	33.855	23.282	22.919	22.365
79.5	58.705	26.726	22.550	22.119	21.541
80.0	54.258	22.974	21.793	21.295	20.698
80.5	49.805	19.462	21.036	20.446	19.868
81.0	45.284	18.268	20.249	19.603	19.117
81.5	40.824	17.524	19.425	18.773	18.398
82.0	36.808	16.749	18.564	17.930	17.438
82.5	33.222	15.968	17.703	17.094	16.589

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

83.0	29.365	15.205	16.786	16.232	15.765
83.5	25.600	14.412	15.876	15.384	14.922
84.0	21.965	13.600	14.935	14.498	14.055
84.5	18.570	12.739	14.012	13.575	13.151
85.0	15.193	11.871	13.059	12.579	12.161
85.5	13.440	10.949	12.038	11.509	11.146
86.0	11.515	9.995	10.961	10.383	10.045
86.5	8.716	8.999	9.755	9.165	8.931
87.0	7.252	7.959	8.476	7.892	7.720
87.5	6.329	6.877	7.111	6.600	6.415
88.0	5.413	5.690	5.745	5.179	4.952
88.5	4.410	4.410	4.355	3.641	3.358
89.0	3.223	3.180	2.965	2.362	2.171
89.5	2.018	2.134	1.907	1.618	1.569
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-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-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-DIM-UNV_EMER MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	216.41	N.A.	14.00
0-30	461.56	N.A.	29.80
0-40	760.56	N.A.	49.10
0-60	1335.59	N.A.	86.20
0-80	1535.98	N.A.	99.10
0-90	1549.93	N.A.	100.00
10-90	1494.13	N.A.	96.40
20-40	544.15	N.A.	35.10
20-50	857.03	N.A.	55.30
40-70	719.68	N.A.	46.40
60-80	200.39	N.A.	12.90
70-80	55.75	N.A.	3.60
80-90	13.95	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	1549.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.80
10-20	160.60
20-30	245.15
30-40	299.00
40-50	312.88
50-60	262.15
60-70	144.64
70-80	55.75
80-90	13.95
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-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	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	56	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-L360-840-CA-EM10W-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

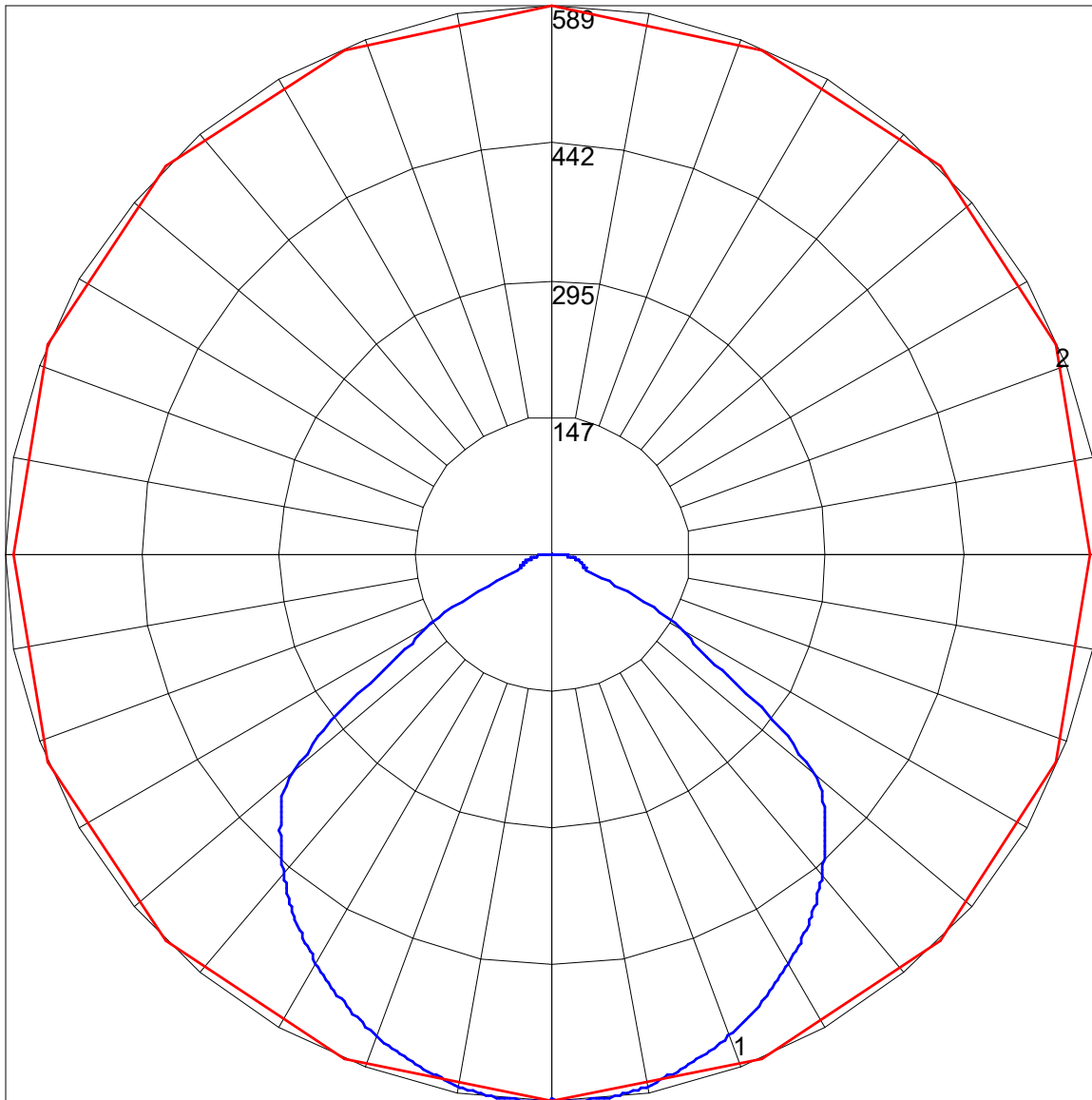
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	13.9	15.5	14.3	15.8	16.1	11.5	13.1	11.9	13.4	13.7
	3H	15.6	17.0	16.0	17.3	17.7	11.6	13.0	12.0	13.3	13.7
	4H	16.1	17.4	16.5	17.8	18.2	11.7	13.0	12.1	13.4	13.7
	6H	16.4	17.6	16.8	18.0	18.4	11.8	13.0	12.2	13.4	13.8
	8H	16.5	17.6	16.9	18.0	18.4	11.9	13.0	12.3	13.4	13.8
	12H	16.5	17.6	16.9	18.0	18.4	11.9	13.0	12.4	13.4	13.8
4H	2H	14.1	15.4	14.5	15.8	16.2	12.1	13.4	12.5	13.8	14.2
	3H	16.0	17.1	16.4	17.5	17.9	12.3	13.4	12.7	13.8	14.2
	4H	16.6	17.6	17.0	18.0	18.4	12.4	13.4	12.9	13.8	14.2
	6H	16.9	17.8	17.4	18.2	18.7	12.6	13.5	13.1	13.9	14.4
	8H	17.0	17.8	17.5	18.2	18.7	12.7	13.5	13.2	13.9	14.4
	12H	17.0	17.7	17.5	18.2	18.7	12.8	13.5	13.3	14.0	14.5
8H	4H	16.5	17.3	17.0	17.8	18.2	12.6	13.4	13.1	13.8	14.3
	6H	16.9	17.5	17.4	18.0	18.5	12.9	13.5	13.4	14.0	14.5
	8H	17.0	17.6	17.5	18.1	18.6	13.0	13.6	13.5	14.1	14.6
	12H	17.1	17.6	17.6	18.1	18.6	13.2	13.7	13.7	14.2	14.8
12H	4H	16.5	17.2	17.0	17.7	18.2	12.6	13.3	13.1	13.8	14.3
	6H	16.9	17.5	17.4	17.9	18.5	12.9	13.5	13.4	13.9	14.5
	8H	17.0	17.5	17.5	18.0	18.5	13.1	13.6	13.6	14.1	14.7

Maximum UGR = 18.7

IES INDOOR REPORT

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

POLAR GRAPH



Maximum Candela = 589.45 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.)