

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L240-840-MD-(L120)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14629546.02
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 05-01-2023
[TEST DATE] 1/5/2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] GS-2-L240-850-MD-(L120)-DIM-UNV
[LUMINAIRE] White aluminum housing, prismatic lense enclosure
[LAMP] 448 White LEDs

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12016
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	83
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.28
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	11335	11013	9631
55	8559	8027	6781
65	6650	6013	5596
75	6405	5231	5633
85	5726	3883	4315

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-4-L240-840-MD-(L120)-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	5432.331	5432.331	5432.331	5432.331	5432.331
0.5	5384.864	5427.057	5442.880	5432.331	5437.605
1.0	5384.864	5427.057	5442.880	5427.057	5437.605
1.5	5384.864	5427.057	5442.880	5427.057	5437.605
2.0	5379.590	5427.057	5437.605	5421.783	5432.331
2.5	5379.590	5421.783	5437.605	5421.783	5427.057
3.0	5374.316	5416.509	5432.331	5416.509	5421.783
3.5	5374.316	5416.509	5427.057	5411.235	5421.783
4.0	5369.042	5411.235	5421.783	5405.961	5416.509
4.5	5363.768	5405.961	5416.509	5400.687	5411.235
5.0	5363.768	5400.687	5416.509	5400.687	5405.961
5.5	5358.494	5395.413	5411.235	5395.413	5400.687
6.0	5353.220	5390.138	5405.961	5390.138	5395.413
6.5	5347.946	5390.138	5400.687	5384.864	5390.138
7.0	5342.671	5379.590	5395.413	5379.590	5384.864
7.5	5332.123	5374.316	5390.138	5374.316	5379.590
8.0	5326.849	5369.042	5384.864	5369.042	5374.316
8.5	5321.575	5363.768	5379.590	5363.768	5363.768
9.0	5311.027	5353.220	5369.042	5358.494	5358.494
9.5	5305.753	5347.946	5363.768	5347.946	5353.220
10.0	5295.204	5342.671	5358.494	5342.671	5342.671
10.5	5284.656	5332.123	5347.946	5332.123	5337.397
11.0	5279.382	5321.575	5337.397	5321.575	5326.849
11.5	5269.361	5311.027	5326.849	5311.027	5316.301
12.0	5259.868	5300.479	5316.301	5300.479	5305.753
12.5	5249.847	5289.930	5305.753	5289.930	5295.204
13.0	5238.772	5279.382	5295.204	5279.382	5284.656
13.5	5226.114	5265.142	5284.656	5266.197	5274.108
14.0	5213.456	5252.484	5268.307	5254.066	5261.978
14.5	5199.743	5239.299	5254.594	5241.409	5250.375
15.0	5185.503	5226.641	5240.881	5227.696	5238.244
15.5	5170.208	5212.401	5226.114	5213.983	5226.114
16.0	5154.913	5197.633	5210.291	5200.271	5212.401
16.5	5139.091	5182.339	5194.996	5186.030	5198.161
17.0	5122.741	5165.989	5178.647	5170.736	5182.866
17.5	5105.337	5148.584	5162.824	5155.441	5167.044
18.0	5087.405	5131.180	5147.002	5139.091	5150.694
18.5	5070.527	5113.248	5130.125	5122.214	5132.235
19.0	5052.596	5095.316	5113.248	5104.809	5114.830
19.5	5035.191	5076.329	5095.843	5086.877	5096.371
20.0	5016.732	5056.815	5075.802	5069.473	5078.966
20.5	4996.690	5035.718	5054.178	5052.068	5059.452
21.0	4976.121	5013.040	5030.444	5033.609	5040.465
21.5	4955.025	4990.361	5010.403	5013.567	5020.423
22.0	4932.873	4967.682	4989.306	4993.526	5000.382
22.5	4909.140	4943.421	4965.573	4971.902	4978.758
23.0	4884.879	4919.161	4940.784	4949.223	4955.552
23.5	4859.563	4894.372	4915.996	4925.490	4932.346
24.0	4832.665	4868.002	4889.626	4900.701	4908.612
24.5	4806.295	4841.104	4863.782	4874.858	4884.351
25.0	4778.869	4814.206	4837.939	4847.960	4859.036
25.5	4749.862	4785.198	4810.514	4820.007	4833.193
26.0	4721.382	4757.245	4783.089	4791.000	4805.240
26.5	4692.374	4727.183	4754.081	4761.992	4776.760

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-4-L240-840-MD-(L120)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	4661.784	4697.648	4724.546	4731.402	4747.225
27.5	4630.667	4667.058	4693.956	4700.285	4716.635
28.0	4597.967	4635.414	4662.312	4667.586	4684.463
28.5	4565.268	4602.714	4629.085	4634.359	4650.708
29.0	4528.349	4568.960	4595.330	4599.550	4615.372
29.5	4493.013	4534.151	4560.521	4563.686	4578.453
30.0	4456.621	4498.287	4524.130	4526.240	4539.952
30.5	4418.648	4461.895	4486.156	4486.684	4498.814
31.0	4379.619	4424.449	4447.655	4443.436	4455.566
31.5	4340.064	4386.476	4407.045	4398.079	4409.682
32.0	4300.508	4348.502	4366.961	4356.413	4368.544
32.5	4258.842	4307.364	4324.769	4311.583	4323.186
33.0	4218.232	4266.226	4281.521	4262.534	4259.370
33.5	4175.511	4222.978	4236.164	4212.958	4200.827
34.0	4132.264	4178.148	4190.279	4160.216	4141.230
34.5	4089.543	4132.791	4142.812	4104.311	4079.523
35.0	4043.659	4086.906	4093.763	4046.823	4014.651
35.5	3997.774	4039.967	4042.604	3986.698	3946.088
36.0	3949.780	3990.918	3989.863	3923.936	3875.942
36.5	3900.730	3940.286	3934.485	3858.010	3803.159
37.0	3850.626	3888.600	3878.052	3791.029	3729.322
37.5	3799.467	3835.859	3820.036	3720.883	3653.902
38.0	3746.199	3782.590	3761.494	3650.738	3576.373
38.5	3691.876	3727.740	3700.842	3578.482	3498.843
39.0	3636.498	3672.361	3639.135	3504.645	3419.204
39.5	3579.537	3616.456	3575.845	3430.280	3340.093
40.0	3522.049	3559.496	3511.501	3355.388	3260.454
40.5	3462.979	3502.008	3445.575	3279.440	3179.760
41.0	3403.382	3443.465	3379.648	3204.021	3094.319
41.5	3344.312	3383.868	3312.667	3127.546	3006.769
42.0	3284.187	3323.743	3244.104	3052.654	2933.986
42.5	3224.062	3263.091	3176.595	2983.036	2861.204
43.0	3163.410	3201.911	3109.087	2907.616	2784.729
43.5	3102.758	3139.677	3041.578	2827.449	2707.200
44.0	3042.106	3077.442	2973.542	2755.194	2630.725
44.5	2981.981	3014.153	2905.506	2682.411	2556.888
45.0	2922.383	2950.336	2839.580	2611.211	2483.050
45.5	2861.731	2887.574	2772.599	2541.065	2410.795
46.0	2801.079	2824.812	2706.672	2472.502	2341.177
46.5	2742.009	2761.523	2642.328	2406.048	2273.668
47.0	2682.411	2699.289	2577.457	2340.649	2207.742
47.5	2622.814	2637.581	2514.167	2276.305	2144.452
48.0	2564.271	2575.874	2451.405	2214.071	2083.273
48.5	2505.729	2515.750	2389.171	2153.418	2023.675
49.0	2447.186	2456.152	2328.519	2093.293	1966.715
49.5	2388.116	2396.555	2268.921	2035.806	1911.864
50.0	2330.101	2338.012	2209.851	1979.373	1859.123
50.5	2273.141	2279.997	2151.309	1923.995	1807.437
51.0	2216.708	2223.037	2094.876	1871.254	1757.860
51.5	2159.747	2167.131	2038.443	1816.403	1710.921
52.0	2104.897	2111.753	1984.119	1766.826	1664.509
52.5	2049.518	2057.430	1932.433	1719.887	1620.206
53.0	1995.195	2003.634	1882.857	1673.474	1577.486
53.5	1941.927	1950.365	1828.533	1628.117	1535.820
54.0	1890.240	1898.151	1775.792	1583.815	1495.737
54.5	1839.609	1846.993	1726.216	1541.094	1456.709

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GS-4-L240-840-MD-(L120)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

55.0	1790.032	1796.361	1678.749	1499.429	1418.208
55.5	1740.456	1746.257	1631.809	1458.818	1381.289
56.0	1693.516	1697.735	1585.924	1419.262	1345.425
56.5	1647.104	1649.741	1541.094	1381.289	1310.616
57.0	1601.219	1602.801	1497.319	1343.843	1276.334
57.5	1557.444	1556.917	1454.599	1307.451	1243.107
58.0	1515.251	1512.614	1412.934	1272.115	1210.935
58.5	1473.586	1468.839	1371.796	1237.833	1179.818
59.0	1432.975	1426.646	1331.712	1204.079	1149.756
59.5	1392.892	1384.981	1292.684	1171.379	1120.221
60.0	1354.918	1344.370	1254.710	1140.262	1092.268
60.5	1317.472	1305.869	1217.792	1109.145	1065.370
61.0	1281.081	1267.896	1181.400	1079.610	1038.472
61.5	1245.217	1230.977	1146.064	1050.602	1013.156
62.0	1210.935	1195.640	1111.782	1023.177	988.895
62.5	1177.708	1161.359	1078.555	996.279	965.689
63.0	1145.009	1129.187	1045.856	969.908	943.538
63.5	1111.782	1098.597	1014.738	944.593	921.914
64.0	1073.808	1063.788	984.676	920.332	901.345
64.5	1049.548	1034.253	955.141	897.126	881.303
65.0	1024.759	1005.772	926.661	874.447	862.317
65.5	996.806	977.820	899.235	852.823	843.857
66.0	970.963	947.230	872.865	831.199	825.925
66.5	945.120	920.332	847.022	810.630	808.521
67.0	920.859	894.489	821.706	790.589	791.644
67.5	897.126	869.173	797.973	771.075	774.766
68.0	874.447	844.912	774.766	752.088	758.417
68.5	852.296	821.179	752.088	733.628	742.067
69.0	831.199	797.973	729.937	715.169	726.245
69.5	811.158	775.294	708.840	697.237	710.422
70.0	791.116	753.143	687.744	679.833	695.127
70.5	771.602	731.519	667.702	661.901	679.305
71.0	752.615	710.422	647.133	644.496	664.010
71.5	733.628	689.326	627.619	627.091	648.188
72.0	715.696	668.229	608.105	609.687	632.366
72.5	697.237	647.660	587.008	591.755	616.016
73.0	679.305	627.091	568.021	574.350	599.666
73.5	661.901	606.522	550.089	555.891	583.316
74.0	644.496	585.953	531.103	537.959	566.439
74.5	623.400	565.384	511.588	519.500	549.035
75.0	604.413	544.815	493.657	501.040	531.630
75.5	584.899	524.774	475.725	482.053	513.171
76.0	564.857	504.205	454.101	463.594	495.239
76.5	544.815	483.636	434.587	444.607	476.252
77.0	524.246	463.594	415.072	425.621	457.265
77.5	503.677	443.025	395.558	406.634	437.751
78.0	482.053	422.983	376.571	387.120	417.709
78.5	459.902	402.414	357.057	368.133	397.668
79.0	438.278	382.373	338.070	349.146	377.099
79.5	416.655	361.804	318.029	329.632	356.530
80.0	394.503	341.762	299.042	310.645	335.961
80.5	372.352	321.721	280.055	291.658	314.864
81.0	350.201	301.679	261.068	272.671	294.295
81.5	328.577	282.165	242.082	254.212	273.199
82.0	306.953	263.178	223.622	235.753	252.630
82.5	285.329	243.664	205.163	217.821	232.588

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-4-L240-840-MD-(L120)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	264.233	223.095	187.758	199.889	212.547
83.5	243.136	206.218	170.881	182.484	193.560
84.0	222.567	189.868	154.004	165.080	174.046
84.5	201.998	171.409	138.182	148.730	155.586
85.0	181.957	155.059	123.414	132.380	137.127
85.5	162.443	139.236	108.647	117.085	120.250
86.0	142.401	122.887	94.934	102.318	102.845
86.5	123.414	107.064	82.276	86.495	87.550
87.0	104.427	91.242	69.618	71.728	72.255
87.5	85.968	75.420	57.488	58.015	58.015
88.0	67.509	61.180	46.412	45.357	45.357
88.5	49.577	48.522	36.391	34.809	33.227
89.0	34.809	37.446	27.953	25.843	24.261
89.5	23.733	27.953	20.042	18.459	18.459
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-L240-840-MD-(L120)-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-L240-840-MD-(L120)-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-L240-840-MD-(L120)-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-L240-840-MD-(L120)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1988.48	N.A.	16.50
0-30	4209.67	N.A.	35.00
0-40	6731.00	N.A.	56.00
0-60	10357.11	N.A.	86.20
0-80	11851.48	N.A.	98.60
0-90	12015.98	N.A.	100.00
10-90	11502.39	N.A.	95.70
20-40	4742.52	N.A.	39.50
20-50	6885.49	N.A.	57.30
40-70	4566.74	N.A.	38.00
60-80	1494.37	N.A.	12.40
70-80	553.74	N.A.	4.60
80-90	164.50	N.A.	1.40
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	12015.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	513.59
10-20	1474.89
20-30	2221.19
30-40	2521.33
40-50	2142.97
50-60	1483.15
60-70	940.62
70-80	553.74
80-90	164.50
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-L240-840-MD-(L120)-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	99	97	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	30

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-4-L240-840-MD-(L120)-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

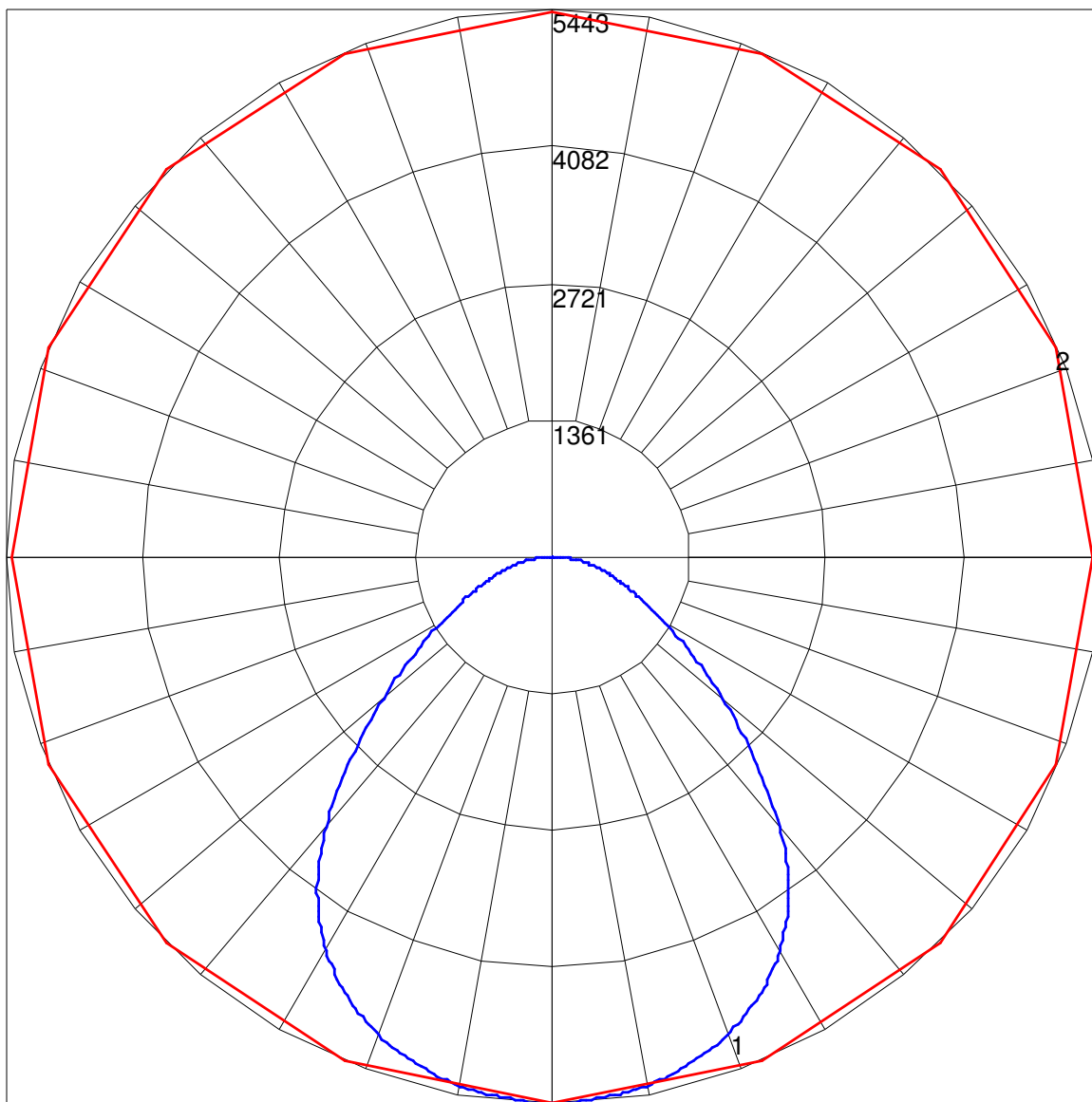
X=2H	Y=2H	18.6	20.1	19.0	20.4	20.8	17.4	18.9	17.7	19.2	19.5
	3H	20.1	21.4	20.4	21.7	22.1	18.9	20.3	19.3	20.6	21.0
	4H	20.7	22.0	21.1	22.3	22.7	19.6	20.9	20.0	21.3	21.6
	6H	21.3	22.4	21.7	22.8	23.2	20.2	21.4	20.6	21.7	22.1
	8H	21.4	22.6	21.9	22.9	23.3	20.4	21.5	20.8	21.9	22.3
	12H	21.6	22.6	22.0	23.0	23.5	20.5	21.6	21.0	22.0	22.4

UGR Viewed Endwise

4H	2H	19.0	20.2	19.4	20.6	21.0	17.9	19.2	18.3	19.5	19.9
	3H	20.7	21.7	21.1	22.1	22.5	19.7	20.8	20.1	21.2	21.6
	4H	21.5	22.4	21.9	22.8	23.2	20.6	21.5	21.0	21.9	22.4
	6H	22.1	23.0	22.6	23.4	23.9	21.3	22.1	21.7	22.5	23.0
	8H	22.4	23.2	22.9	23.6	24.1	21.5	22.3	22.0	22.7	23.2
	12H	22.6	23.3	23.1	23.8	24.2	21.7	22.3	22.1	22.8	23.3
8H	4H	21.6	22.4	22.1	22.9	23.3	20.9	21.6	21.3	22.1	22.5
	6H	22.5	23.1	23.0	23.6	24.1	21.7	22.3	22.2	22.8	23.3
	8H	22.8	23.4	23.3	23.9	24.4	22.0	22.6	22.5	23.1	23.6
	12H	23.1	23.6	23.6	24.1	24.6	22.2	22.7	22.7	23.2	23.8
12H	4H	21.7	22.4	22.2	22.8	23.3	20.9	21.6	21.4	22.1	22.5
	6H	22.5	23.1	23.0	23.5	24.1	21.7	22.3	22.3	22.8	23.3
	8H	22.9	23.4	23.4	23.9	24.4	22.1	22.6	22.6	23.1	23.7

Maximum UGR = 24.6

POLAR GRAPH



Maximum Candela = 5442.88 Located At Horizontal Angle = 45, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)