

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L120-840-HA-HP-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14617179.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 1/20/2025
[TEST DATE] 1/6/2023
[MANUFAC] H E Williams Inc
[LUMCAT] GS-2-L120-840-HA-HP-DIM-UNV
[LUMINAIRE] White aluminum housing, prismatic lense enclosure
[LAMP] 448 White LEDs
[BALLAST] ULT D21CC80UNVPW-C
[OTHER] 24.9 C, 120.004 V, 1.44538 A, 173.17 W, 0.998374 PF, 59.9997 H
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12698
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	85
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)	1.67 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	25336	26120	26592
55	24250	25226	18145
65	21996	15385	4987
75	18007	4950	5014
85	7895	6786	6319

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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	4813.681	4813.681	4813.681	4813.681	4813.681
0.5	4754.215	4816.705	4827.287	4819.728	4829.303
1.0	4755.727	4817.208	4827.791	4819.728	4828.799
1.5	4757.743	4816.705	4828.295	4818.216	4827.287
2.0	4757.239	4817.712	4827.287	4818.720	4827.791
2.5	4756.231	4816.705	4827.791	4817.712	4826.279
3.0	4755.727	4814.689	4826.783	4818.216	4827.287
3.5	4754.215	4811.665	4826.279	4818.216	4827.287
4.0	4750.688	4810.153	4824.768	4820.232	4828.295
4.5	4746.152	4807.130	4822.752	4821.240	4829.303
5.0	4740.105	4803.602	4821.240	4820.232	4827.791
5.5	4735.569	4800.578	4819.224	4818.720	4825.776
6.0	4732.042	4797.555	4816.705	4815.193	4821.744
6.5	4727.002	4793.019	4814.185	4811.665	4816.201
7.0	4720.451	4787.980	4809.145	4806.626	4809.649
7.5	4714.908	4783.444	4804.610	4800.074	4802.594
8.0	4709.868	4777.901	4798.059	4793.019	4796.043
8.5	4707.349	4771.853	4792.011	4785.964	4791.003
9.0	4703.317	4765.302	4785.460	4778.909	4784.956
9.5	4697.774	4760.263	4779.917	4773.869	4780.421
10.0	4691.726	4755.727	4773.869	4767.822	4774.373
10.5	4686.183	4750.688	4766.814	4760.263	4767.318
11.0	4680.135	4745.648	4758.751	4751.696	4759.759
11.5	4675.096	4740.105	4750.688	4743.633	4748.168
12.0	4665.521	4733.050	4744.136	4733.050	4733.050
12.5	4654.938	4725.994	4735.065	4718.939	4720.955
13.0	4644.355	4717.931	4725.491	4704.829	4707.852
13.5	4633.269	4706.845	4715.916	4692.734	4693.238
14.0	4621.174	4696.262	4705.837	4679.128	4679.632
14.5	4605.048	4685.679	4693.742	4665.521	4668.041
15.0	4593.457	4675.096	4682.151	4651.915	4658.970
15.5	4586.906	4663.505	4668.545	4638.812	4649.899
16.0	4577.331	4650.403	4654.938	4627.221	4638.812
16.5	4567.252	4638.308	4638.812	4615.631	4628.733
17.0	4560.701	4625.709	4624.702	4604.040	4617.142
17.5	4550.118	4613.615	4609.583	4590.937	4606.056
18.0	4538.023	4599.504	4593.457	4578.843	4592.953
18.5	4524.920	4585.898	4579.347	4564.228	4575.819
19.0	4509.298	4572.795	4561.708	4549.110	4559.693
19.5	4492.164	4559.189	4545.078	4534.495	4546.590
20.0	4476.038	4545.582	4528.952	4518.873	4532.480
20.5	4460.416	4530.968	4514.338	4503.755	4518.369
21.0	4445.297	4515.346	4499.219	4489.644	4503.251
21.5	4427.659	4499.723	4483.597	4475.534	4486.621
22.0	4410.525	4484.101	4467.975	4460.416	4469.991
22.5	4395.911	4467.471	4451.345	4444.793	4454.872
23.0	4381.296	4450.337	4432.699	4426.651	4436.730
23.5	4366.682	4431.187	4414.557	4410.525	4420.604
24.0	4348.540	4414.053	4394.903	4394.399	4402.966
24.5	4332.918	4396.919	4374.745	4376.257	4386.336
25.0	4315.783	4375.753	4353.075	4359.627	4367.186
25.5	4296.130	4358.115	4333.925	4340.981	4349.044
26.0	4273.452	4340.477	4315.279	4322.335	4328.886
26.5	4248.759	4317.295	4297.137	4302.681	4309.232

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CANDELA TABULATION - (Cont.)

27.0	4226.081	4294.618	4277.484	4283.531	4289.578
27.5	4203.908	4270.932	4259.342	4264.381	4270.428
28.0	4182.742	4247.247	4239.688	4246.239	4251.278
28.5	4164.600	4223.561	4219.026	4226.585	4230.617
29.0	4144.442	4200.380	4197.860	4203.404	4210.459
29.5	4124.284	4177.199	4176.695	4182.238	4192.317
30.0	4104.127	4151.497	4154.017	4160.064	4171.151
30.5	4083.969	4127.812	4133.355	4137.387	4152.001
31.0	4062.299	4101.607	4112.694	4116.221	4130.836
31.5	4038.110	4075.906	4091.024	4094.552	4109.670
32.0	4012.913	4052.724	4068.346	4072.378	4087.496
32.5	3986.707	4028.031	4046.677	4052.724	4064.315
33.0	3959.494	4003.842	4027.023	4031.055	4043.149
33.5	3933.289	3978.140	4004.345	4008.881	4023.999
34.0	3906.580	3950.927	3979.652	3985.700	4001.826
34.5	3881.383	3924.218	3954.455	3962.518	3978.644
35.0	3858.201	3896.501	3926.738	3939.841	3953.951
35.5	3836.532	3868.784	3894.989	3916.155	3931.777
36.0	3810.327	3839.052	3869.288	3892.470	3908.596
36.5	3783.114	3809.319	3844.595	3867.776	3883.903
37.0	3751.869	3779.586	3817.382	3843.587	3859.713
37.5	3718.105	3750.357	3789.665	3819.398	3834.012
38.0	3685.852	3721.632	3764.972	3794.201	3807.303
38.5	3653.096	3692.404	3741.286	3767.995	3778.074
39.0	3624.371	3663.175	3713.569	3739.774	3750.861
39.5	3597.158	3631.930	3682.829	3710.042	3724.152
40.0	3568.937	3599.174	3652.088	3681.821	3696.435
40.5	3539.708	3566.417	3622.859	3653.096	3670.230
41.0	3512.495	3533.661	3593.127	3621.851	3643.521
41.5	3479.235	3500.401	3561.378	3593.127	3612.780
42.0	3442.447	3467.644	3529.126	3562.386	3581.536
42.5	3402.635	3434.384	3496.369	3531.645	3550.795
43.0	3363.832	3400.620	3465.125	3500.905	3521.062
43.5	3327.548	3364.840	3432.872	3469.660	3491.834
44.0	3295.295	3331.075	3403.643	3439.423	3464.621
44.5	3268.586	3297.815	3372.399	3412.210	3435.392
45.0	3240.869	3262.539	3341.154	3383.989	3401.627
45.5	3210.632	3228.270	3307.390	3350.225	3370.887
46.0	3174.852	3192.994	3269.594	3312.933	3337.627
46.5	3138.064	3156.206	3229.782	3282.193	3305.878
47.0	3099.261	3120.930	3196.018	3250.444	3275.137
47.5	3064.488	3087.166	3162.254	3217.184	3242.381
48.0	3032.740	3054.410	3126.474	3185.435	3208.617
48.5	3001.495	3024.677	3091.197	3154.191	3168.301
49.0	2968.235	2983.857	3057.937	3121.938	3116.899
49.5	2932.455	2940.518	3025.181	3089.686	3057.433
50.0	2887.604	2904.234	2990.912	3054.913	2985.873
50.5	2846.784	2872.485	2954.125	3017.622	2898.691
51.0	2808.484	2834.690	2917.337	2972.267	2798.406
51.5	2775.224	2797.902	2879.037	2916.833	2702.152
52.0	2743.476	2758.090	2842.753	2852.328	2624.545
52.5	2707.192	2719.790	2805.965	2768.673	2550.969
53.0	2665.364	2678.467	2768.169	2672.923	2440.605
53.5	2622.529	2640.167	2731.885	2573.142	2291.941
54.0	2582.717	2605.395	2693.585	2488.983	2122.112
54.5	2549.457	2567.095	2654.781	2416.415	1981.511

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55.0	2516.196	2522.244	2617.489	2325.705	1882.738
55.5	2473.865	2480.920	2579.190	2196.695	1807.650
56.0	2428.006	2447.660	2541.898	2035.937	1734.578
56.5	2389.706	2412.384	2504.102	1886.265	1643.364
57.0	2357.454	2373.076	2464.290	1780.437	1551.142
57.5	2321.170	2329.233	2420.447	1704.845	1474.543
58.0	2279.342	2286.398	2373.580	1643.364	1427.172
58.5	2232.476	2245.578	2316.130	1568.276	1397.439
59.0	2194.680	2205.766	2250.114	1465.472	1372.746
59.5	2157.892	2162.931	2175.026	1380.305	1337.973
60.0	2110.521	2118.080	2086.332	1329.910	1291.611
60.5	2065.166	2079.780	2006.708	1300.178	1232.649
61.0	2024.346	2037.953	1931.620	1274.980	1159.577
61.5	1988.566	1994.614	1844.438	1238.192	1082.473
62.0	1945.731	1948.755	1749.696	1190.822	1005.370
62.5	1892.817	1902.392	1627.238	1128.836	903.069
63.0	1846.454	1862.580	1489.157	1051.733	749.366
63.5	1809.666	1823.272	1377.281	977.149	625.396
64.0	1764.815	1777.413	1301.186	902.565	551.820
64.5	1721.979	1737.098	1243.232	791.697	484.341
65.0	1681.664	1695.774	1176.207	646.561	381.285
65.5	1628.246	1648.907	1092.048	546.276	330.386
66.0	1582.891	1605.568	1021.496	485.047	318.997
66.5	1543.583	1566.260	979.165	394.841	313.756
67.0	1500.748	1522.417	945.904	330.890	309.170
67.5	1455.897	1479.078	911.132	307.759	304.635
68.0	1409.534	1439.770	866.281	301.409	300.402
68.5	1369.218	1393.407	802.784	296.370	296.269
69.0	1329.910	1351.580	730.216	291.683	292.137
69.5	1286.067	1308.745	668.231	287.299	287.904
70.0	1243.232	1268.933	583.064	283.116	283.721
70.5	1201.908	1223.578	473.809	278.833	279.689
71.0	1165.624	1176.207	403.408	274.852	275.658
71.5	1123.797	1126.821	350.292	270.870	271.122
72.0	1081.970	1074.410	289.516	266.385	266.738
72.5	1040.646	1007.386	259.481	262.102	262.051
73.0	1001.842	937.337	251.670	257.768	256.961
73.5	963.039	877.368	246.479	253.131	251.821
74.0	924.235	813.871	241.390	248.142	246.177
74.5	885.935	744.326	236.602	242.750	240.583
75.0	843.100	655.632	231.764	237.257	234.737
75.5	803.792	593.647	227.128	231.613	228.640
76.0	764.484	548.292	222.643	225.767	222.441
76.5	722.657	498.704	217.805	219.770	216.041
77.0	680.829	446.092	212.967	213.622	209.691
77.5	638.498	411.824	207.776	207.424	203.140
78.0	591.127	370.047	202.384	201.024	196.589
78.5	551.820	317.737	196.589	194.321	189.836
79.0	517.047	277.371	190.743	187.770	183.234
79.5	480.965	218.964	184.746	181.219	176.481
80.0	444.530	188.223	178.548	174.466	169.577
80.5	408.044	159.448	172.349	167.511	162.774
81.0	371.004	149.672	165.899	160.607	156.626
81.5	334.468	143.574	159.146	153.804	150.730
82.0	301.561	137.224	152.091	146.900	142.868
82.5	272.181	130.824	145.035	140.046	135.914

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CANDELA TABULATION - (Cont.)

83.0	240.583	124.575	137.527	132.991	129.161
83.5	209.742	118.074	130.068	126.037	122.257
84.0	179.959	111.422	122.358	118.780	115.151
84.5	152.141	104.367	114.799	111.221	107.743
85.0	124.474	97.261	106.987	103.057	99.630
85.5	110.112	89.702	98.622	94.288	91.315
86.0	94.338	81.891	89.803	85.066	82.294
86.5	71.409	73.727	79.926	75.088	73.173
87.0	59.415	65.210	69.444	64.656	63.245
87.5	51.856	56.341	58.256	54.073	52.561
88.0	44.347	46.615	47.068	42.432	40.568
88.5	36.133	36.133	35.679	29.834	27.515
89.0	26.407	26.054	24.290	19.351	17.789
89.5	16.529	17.487	15.622	13.254	12.851
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-2-L120-840-HA-HP-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-2-L120-840-HA-HP-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-2-L120-840-HA-HP-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1773.00	N.A.	14.00
0-30	3781.51	N.A.	29.80
0-40	6231.15	N.A.	49.10
0-60	10942.34	N.A.	86.20
0-80	12584.11	N.A.	99.10
0-90	12698.42	N.A.	100.00
10-90	12241.22	N.A.	96.40
20-40	4458.15	N.A.	35.10
20-50	7021.54	N.A.	55.30
40-70	5896.23	N.A.	46.40
60-80	1641.77	N.A.	12.90
70-80	456.73	N.A.	3.60
80-90	114.31	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	12698.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	457.20
10-20	1315.8
20-30	2008.51
30-40	2449.64
40-50	2563.39
50-60	2147.8
60-70	1185.04
70-80	456.73
80-90	114.31
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-2-L120-840-HA-HP-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-2-L120-840-HA-HP-DIM-UNV_.IES

UGR TABLE - CORRECTED

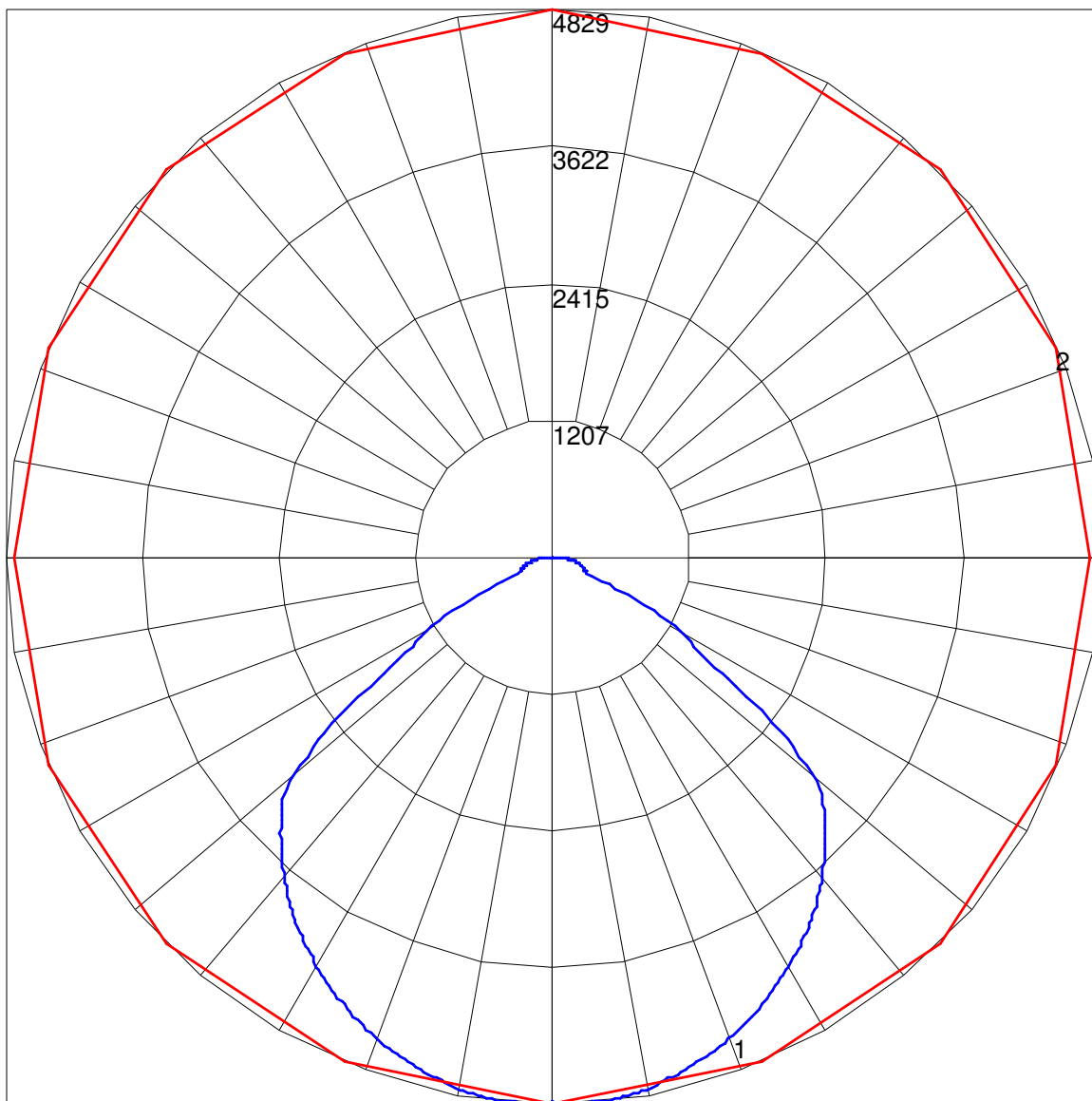
Reflectances

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	23.6	25.2	24.0	25.5	25.8	21.2	22.8	21.6	23.1	23.4
	3H	25.3	26.7	25.7	27.0	27.4	21.3	22.7	21.7	23.1	23.4
	4H	25.8	27.2	26.2	27.5	27.9	21.4	22.7	21.8	23.1	23.5
	6H	26.1	27.3	26.5	27.7	28.1	21.5	22.8	22.0	23.1	23.5
	8H	26.2	27.3	26.6	27.7	28.1	21.6	22.8	22.0	23.2	23.6
	12H	26.2	27.3	26.6	27.7	28.1	21.7	22.8	22.1	23.2	23.6
4H	2H	23.9	25.2	24.3	25.5	25.9	21.8	23.2	22.2	23.5	23.9
	3H	25.7	26.8	26.1	27.2	27.6	22.0	23.1	22.4	23.5	23.9
	4H	26.3	27.3	26.7	27.7	28.1	22.2	23.1	22.6	23.5	24.0
	6H	26.7	27.5	27.1	27.9	28.4	22.3	23.2	22.8	23.6	24.1
	8H	26.7	27.5	27.2	28.0	28.4	22.4	23.2	22.9	23.7	24.1
	12H	26.8	27.5	27.3	28.0	28.4	22.5	23.2	23.0	23.7	24.2
8H	4H	26.3	27.1	26.7	27.5	28.0	22.3	23.1	22.8	23.6	24.0
	6H	26.6	27.3	27.1	27.8	28.2	22.6	23.3	23.1	23.7	24.2
	8H	26.7	27.3	27.2	27.8	28.3	22.7	23.3	23.2	23.8	24.3
	12H	26.8	27.3	27.3	27.8	28.4	22.9	23.4	23.4	23.9	24.5
12H	4H	26.2	27.0	26.7	27.4	27.9	22.4	23.1	22.8	23.5	24.0
	6H	26.6	27.2	27.1	27.7	28.2	22.6	23.2	23.1	23.7	24.2
	8H	26.7	27.2	27.2	27.7	28.3	22.8	23.3	23.3	23.8	24.4

Maximum UGR = 28.4

POLAR GRAPH



Maximum Candela = 4829.303 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.)