



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L120-850-HA-CA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 14617179.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 2023-03-13  
[TESTDATE] 1/6/2023  
[MANUFAC] H E Williams Inc  
[LUMCAT] GS-2-L120-850-HA-CA-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.  
[FILEGENINFO] 1.10000

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12576
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
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	25092	25869	26337
55	24017	24984	17970
65	21785	15237	4939
75	17834	4902	4965
85	7819	6720	6258

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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	4767.395	4767.395	4767.395	4767.395	4767.395
0.5	4708.501	4770.389	4780.870	4773.384	4782.867
1.0	4709.998	4770.888	4781.369	4773.384	4782.368
1.5	4711.995	4770.389	4781.869	4771.887	4780.870
2.0	4711.496	4771.387	4780.870	4772.386	4781.369
2.5	4710.497	4770.389	4781.369	4771.387	4779.872
3.0	4709.998	4768.393	4780.371	4771.887	4780.870
3.5	4708.501	4765.398	4779.872	4771.887	4780.870
4.0	4705.007	4763.901	4778.375	4773.883	4781.869
4.5	4700.515	4760.906	4776.378	4774.881	4782.867
5.0	4694.526	4757.413	4774.881	4773.883	4781.369
5.5	4690.034	4754.418	4772.885	4772.386	4779.373
6.0	4686.541	4751.423	4770.389	4768.892	4775.380
6.5	4681.550	4746.932	4767.894	4765.398	4769.890
7.0	4675.061	4741.941	4762.903	4760.407	4763.402
7.5	4669.571	4737.449	4758.411	4753.919	4756.414
8.0	4664.580	4731.959	4751.923	4746.932	4749.926
8.5	4662.085	4725.969	4745.933	4739.944	4744.935
9.0	4658.092	4719.481	4739.445	4732.957	4738.946
9.5	4652.602	4714.490	4733.955	4727.966	4734.454
10.0	4646.613	4709.998	4727.966	4721.977	4728.465
10.5	4641.123	4705.007	4720.978	4714.490	4721.478
11.0	4635.133	4700.016	4712.993	4706.005	4713.991
11.5	4630.142	4694.526	4705.007	4698.020	4702.512
12.0	4620.660	4687.539	4698.519	4687.539	4687.539
12.5	4610.178	4680.551	4689.535	4673.564	4675.560
13.0	4599.697	4672.566	4680.052	4659.589	4662.584
13.5	4588.717	4661.586	4670.569	4647.611	4648.110
14.0	4576.739	4651.105	4660.587	4634.135	4634.634
14.5	4560.768	4640.623	4648.609	4620.660	4623.155
15.0	4549.288	4630.142	4637.130	4607.184	4614.171
15.5	4542.800	4618.663	4623.654	4594.207	4605.187
16.0	4533.317	4605.687	4610.178	4582.728	4594.207
16.5	4523.335	4593.708	4594.207	4571.249	4584.225
17.0	4516.847	4581.231	4580.232	4559.769	4572.746
17.5	4506.366	4569.252	4565.260	4546.793	4561.766
18.0	4494.387	4555.278	4549.288	4534.814	4548.789
18.5	4481.411	4541.802	4535.314	4520.341	4531.820
19.0	4465.939	4528.825	4517.845	4505.368	4515.849
19.5	4448.969	4515.350	4501.375	4490.894	4502.872
20.0	4432.998	4501.874	4485.404	4475.422	4488.897
20.5	4417.526	4487.400	4470.930	4460.449	4474.923
21.0	4402.553	4471.928	4455.957	4446.474	4459.950
21.5	4385.085	4456.456	4440.485	4432.499	4443.479
22.0	4368.115	4440.984	4425.013	4417.526	4427.009
22.5	4353.641	4424.514	4408.542	4402.054	4412.036
23.0	4339.168	4407.544	4390.076	4384.087	4394.069
23.5	4324.694	4388.578	4372.108	4368.115	4378.097
24.0	4306.726	4371.609	4352.643	4352.144	4360.629
24.5	4291.254	4354.640	4332.679	4334.177	4344.159
25.0	4274.285	4333.678	4311.218	4317.706	4325.193
25.5	4254.820	4316.209	4292.252	4299.240	4307.225
26.0	4232.360	4298.741	4273.786	4280.773	4287.261
26.5	4207.905	4275.782	4255.818	4261.308	4267.796

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**CANDELA TABULATION - (Cont.)**

27.0	4185.445	4253.323	4236.353	4242.342	4248.332
27.5	4163.485	4229.865	4218.386	4223.377	4229.366
28.0	4142.523	4206.407	4198.921	4205.409	4210.400
28.5	4124.555	4182.950	4178.458	4185.944	4189.937
29.0	4104.591	4159.991	4157.496	4162.986	4169.973
29.5	4084.627	4137.032	4136.533	4142.023	4152.005
30.0	4064.663	4111.578	4114.074	4120.063	4131.043
30.5	4044.699	4088.121	4093.611	4097.604	4112.078
31.0	4023.238	4062.168	4073.148	4076.641	4091.115
31.5	3999.281	4036.714	4051.687	4055.180	4070.153
32.0	3974.326	4013.755	4029.227	4033.220	4048.193
32.5	3948.373	3989.299	4007.766	4013.755	4025.234
33.0	3921.422	3965.342	3988.301	3992.294	4004.272
33.5	3895.469	3939.888	3965.841	3970.333	3985.306
34.0	3869.016	3912.937	3941.386	3947.375	3963.346
34.5	3844.061	3886.485	3916.431	3924.416	3940.387
35.0	3821.103	3859.034	3888.980	3901.957	3915.932
35.5	3799.641	3831.584	3857.537	3878.499	3893.971
36.0	3773.688	3802.137	3832.083	3855.041	3871.013
36.5	3746.737	3772.690	3807.627	3830.586	3846.557
37.0	3715.793	3743.243	3780.676	3806.629	3822.600
37.5	3682.353	3714.296	3753.225	3782.672	3797.146
38.0	3650.411	3685.847	3728.769	3757.717	3770.694
38.5	3617.969	3656.899	3705.312	3731.764	3741.746
39.0	3589.521	3627.951	3677.861	3703.814	3714.795
39.5	3562.569	3597.007	3647.416	3674.368	3688.342
40.0	3534.620	3564.566	3616.971	3646.418	3660.892
40.5	3505.672	3532.124	3588.023	3617.969	3634.939
41.0	3478.721	3499.683	3558.577	3587.025	3608.487
41.5	3445.780	3466.742	3527.133	3558.577	3578.041
42.0	3409.346	3434.301	3495.191	3528.132	3547.097
42.5	3369.917	3401.360	3462.750	3497.687	3516.652
43.0	3331.487	3367.921	3431.805	3467.241	3487.205
43.5	3295.551	3332.485	3399.863	3436.297	3458.258
44.0	3263.609	3299.045	3370.915	3406.351	3431.306
44.5	3237.157	3266.105	3339.971	3379.400	3402.359
45.0	3209.706	3231.168	3309.027	3351.450	3368.919
45.5	3179.760	3197.229	3275.587	3318.011	3338.474
46.0	3144.324	3162.292	3238.155	3281.078	3305.533
46.5	3107.890	3125.858	3198.726	3250.632	3274.090
47.0	3069.459	3090.921	3165.287	3219.189	3243.645
47.5	3035.022	3057.481	3131.847	3186.249	3211.204
48.0	3003.578	3025.040	3096.411	3154.805	3177.764
48.5	2972.634	2995.593	3061.474	3123.861	3137.836
49.0	2939.694	2955.166	3028.533	3091.919	3086.928
49.5	2904.258	2912.243	2996.092	3059.977	3028.034
50.0	2859.838	2876.308	2962.153	3025.539	2957.162
50.5	2819.411	2844.865	2925.719	2988.605	2870.818
51.0	2781.479	2807.432	2889.285	2943.687	2771.497
51.5	2748.539	2770.998	2851.353	2888.786	2676.169
52.0	2717.096	2731.569	2815.418	2824.901	2599.308
52.5	2681.160	2693.638	2778.984	2742.050	2526.440
53.0	2639.735	2652.712	2741.551	2647.222	2417.137
53.5	2597.312	2614.780	2705.616	2548.400	2269.903
54.0	2557.883	2580.342	2667.685	2465.050	2101.706
54.5	2524.942	2542.411	2629.254	2393.180	1962.458

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**CANDELA TABULATION - (Cont.)**

55.0	2492.002	2497.991	2592.321	2303.342	1864.634
55.5	2450.078	2457.065	2554.389	2175.573	1790.268
56.0	2404.659	2424.124	2517.456	2016.360	1717.899
56.5	2366.728	2389.187	2480.023	1868.128	1627.562
57.0	2334.786	2350.258	2440.595	1763.317	1536.227
57.5	2298.850	2306.836	2397.173	1688.452	1460.364
58.0	2257.425	2264.413	2350.757	1627.562	1413.449
58.5	2211.009	2223.986	2293.859	1553.196	1384.002
59.0	2173.577	2184.557	2228.478	1451.380	1359.546
59.5	2137.142	2142.133	2154.112	1367.032	1325.108
60.0	2090.227	2097.714	2066.270	1317.123	1279.191
60.5	2045.308	2059.782	1987.413	1287.676	1220.796
61.0	2004.881	2018.357	1913.047	1262.721	1148.427
61.5	1969.445	1975.434	1826.703	1226.287	1072.065
62.0	1927.022	1930.016	1732.872	1179.371	995.703
62.5	1874.616	1884.099	1611.591	1117.982	894.386
63.0	1828.699	1844.670	1474.838	1041.620	742.160
63.5	1792.265	1805.741	1364.038	967.753	619.382
64.0	1747.845	1760.323	1288.674	893.886	546.514
64.5	1705.422	1720.395	1231.277	784.085	479.684
65.0	1665.494	1679.468	1164.897	640.344	377.618
65.5	1612.589	1633.052	1081.548	541.023	327.209
66.0	1567.670	1590.130	1011.674	480.383	315.930
66.5	1528.741	1551.200	969.750	391.044	310.739
67.0	1486.317	1507.778	936.809	327.708	306.197
67.5	1441.897	1464.856	902.371	304.800	301.705
68.0	1395.980	1425.926	857.951	298.511	297.513
68.5	1356.052	1380.009	795.065	293.520	293.420
69.0	1317.123	1338.584	723.195	288.879	289.328
69.5	1273.701	1296.160	661.805	284.536	285.135
70.0	1231.277	1256.732	577.458	280.394	280.993
70.5	1190.351	1211.813	469.253	276.152	277.000
71.0	1154.416	1164.897	399.529	272.209	273.007
71.5	1112.991	1115.986	346.924	268.266	268.515
72.0	1071.566	1064.079	286.732	263.824	264.173
72.5	1030.640	997.699	256.986	259.581	259.532
73.0	992.209	928.324	249.250	255.289	254.491
73.5	953.778	868.932	244.109	250.697	249.400
74.0	915.348	806.045	239.068	245.756	243.810
74.5	877.416	737.169	234.327	240.416	238.270
75.0	834.993	649.328	229.536	234.976	232.480
75.5	796.063	587.939	224.944	229.386	226.441
76.0	757.133	543.020	220.502	223.596	220.302
76.5	715.708	493.908	215.711	217.657	213.964
77.0	674.283	441.803	210.919	211.568	207.675
77.5	632.359	407.864	205.779	205.429	201.187
78.0	585.443	366.488	200.438	199.091	194.699
78.5	546.514	314.682	194.699	192.453	188.011
79.0	512.076	274.704	188.909	185.964	181.472
79.5	476.340	216.859	182.970	179.476	174.785
80.0	440.255	186.414	176.831	172.788	167.947
80.5	404.121	157.915	170.692	165.901	161.209
81.0	367.437	148.232	164.303	159.063	155.120
81.5	331.252	142.193	157.615	152.325	149.281
82.0	298.661	135.905	150.628	145.487	141.495
82.5	269.563	129.566	143.641	138.700	134.607

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**CANDELA TABULATION - (Cont.)**

83.0	238.270	123.377	136.204	131.712	127.919
83.5	207.725	116.939	128.817	124.825	121.081
84.0	178.228	110.351	121.181	117.638	114.044
84.5	150.678	103.363	113.695	110.151	106.707
85.0	123.277	96.326	105.959	102.066	98.672
85.5	109.053	88.840	97.674	93.381	90.437
86.0	93.431	81.104	88.939	84.248	81.503
86.5	70.722	73.018	79.157	74.366	72.469
87.0	58.844	64.583	68.776	64.034	62.637
87.5	51.357	55.799	57.696	53.553	52.056
88.0	43.921	46.167	46.616	42.024	40.177
88.5	35.785	35.785	35.336	29.547	27.251
89.0	26.153	25.803	24.057	19.165	17.618
89.5	16.370	17.319	15.472	13.126	12.727
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-L120-850-HA-CA-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-L120-850-HA-CA-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-L120-850-HA-CA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1755.95	N.A.	14.00
0-30	3745.15	N.A.	29.80
0-40	6171.24	N.A.	49.10
0-60	10837.12	N.A.	86.20
0-80	12463.11	N.A.	99.10
0-90	12576.32	N.A.	100.00
10-90	12123.51	N.A.	96.40
20-40	4415.28	N.A.	35.10
20-50	6954.02	N.A.	55.30
40-70	5839.53	N.A.	46.40
60-80	1625.99	N.A.	12.90
70-80	452.34	N.A.	3.60
80-90	113.21	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	12576.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	452.81
10-20	1303.15
20-30	1989.2
30-40	2426.09
40-50	2538.74
50-60	2127.14
60-70	1173.65
70-80	452.34
80-90	113.21
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-L120-850-HA-CA-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

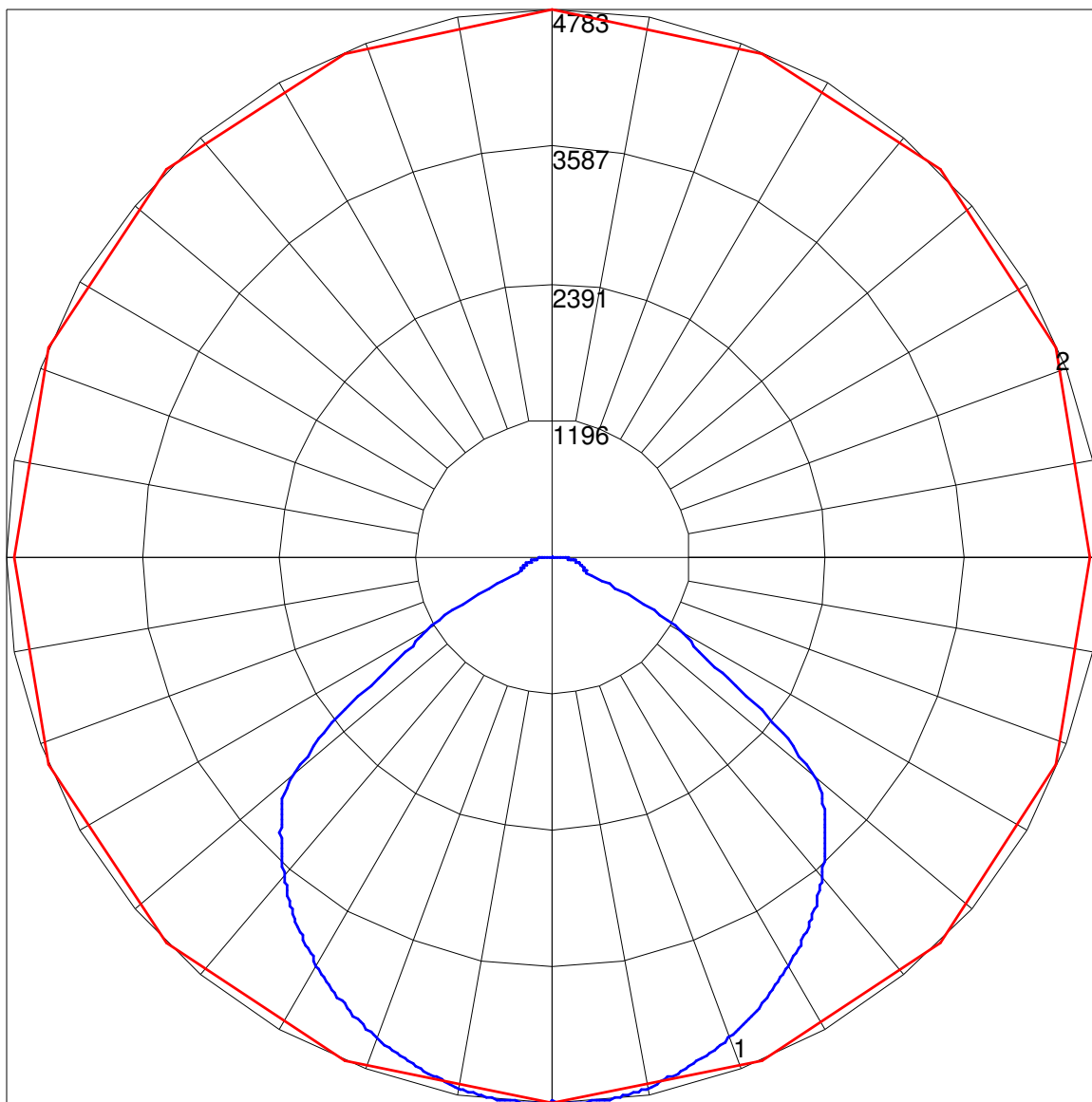
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GS-2-L120-850-HA-CA-DIM-UNV\_.IES**

**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	27.6	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 = 4782.867 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.)