



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 14617179.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 2023-03-13  
[TEST DATE] 1/6/2023  
[MANUFAC] H E Williams Inc  
[LUMCAT] GS-2-L120-850-HA-HE-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	13079
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
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	26096	26903	27390
55	24977	25983	18689
65	22656	15846	5137
75	18547	5099	5164
85	8132	6989	6509

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GS-2-L120-850-HA-HE-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	4958.091	4958.091	4958.091	4958.091	4958.091
0.5	4896.841	4961.205	4972.106	4964.320	4974.182
1.0	4898.399	4961.724	4972.625	4964.320	4973.663
1.5	4900.475	4961.205	4973.144	4962.762	4972.106
2.0	4899.956	4962.243	4972.106	4963.282	4972.625
2.5	4898.918	4961.205	4972.625	4962.243	4971.067
3.0	4898.399	4959.129	4971.587	4962.762	4972.106
3.5	4896.841	4956.015	4971.067	4962.762	4972.106
4.0	4893.208	4954.457	4969.510	4964.839	4973.144
4.5	4888.536	4951.343	4967.434	4965.877	4974.182
5.0	4882.308	4947.710	4965.877	4964.839	4972.625
5.5	4877.636	4944.595	4963.801	4963.282	4970.548
6.0	4874.003	4941.481	4961.205	4959.648	4966.396
6.5	4868.812	4936.809	4958.610	4956.015	4960.686
7.0	4862.064	4931.619	4953.419	4950.824	4953.938
7.5	4856.355	4926.947	4948.748	4944.076	4946.671
8.0	4851.164	4921.237	4942.000	4936.809	4939.924
8.5	4848.569	4915.009	4935.771	4929.542	4934.733
9.0	4844.416	4908.261	4929.023	4922.276	4928.504
9.5	4838.706	4903.070	4923.314	4917.085	4923.833
10.0	4832.478	4898.399	4917.085	4910.856	4917.604
10.5	4826.768	4893.208	4909.818	4903.070	4910.337
11.0	4820.539	4888.017	4901.513	4894.246	4902.551
11.5	4815.349	4882.308	4893.208	4885.941	4890.613
12.0	4805.486	4875.041	4886.460	4875.041	4875.041
12.5	4794.586	4867.774	4877.117	4860.507	4862.583
13.0	4783.686	4859.469	4867.255	4845.973	4849.088
13.5	4772.266	4848.049	4857.393	4833.516	4834.035
14.0	4759.809	4837.149	4847.011	4819.501	4820.020
14.5	4743.199	4826.249	4834.554	4805.486	4808.082
15.0	4731.260	4815.349	4822.615	4791.472	4798.738
15.5	4724.512	4803.410	4808.601	4777.976	4789.395
16.0	4714.650	4789.914	4794.586	4766.038	4777.976
16.5	4704.269	4777.457	4777.976	4754.099	4767.595
17.0	4697.521	4764.480	4763.442	4742.161	4755.656
17.5	4686.621	4752.023	4747.870	4728.665	4744.237
18.0	4674.163	4737.489	4731.260	4716.207	4730.741
18.5	4660.668	4723.474	4716.727	4701.155	4713.093
19.0	4644.577	4709.979	4698.559	4685.583	4696.483
19.5	4626.929	4695.964	4681.430	4670.530	4682.987
20.0	4610.319	4681.949	4664.820	4654.439	4668.454
20.5	4594.228	4666.896	4649.767	4638.867	4653.920
21.0	4578.656	4650.806	4634.195	4624.333	4638.348
21.5	4560.489	4634.715	4618.105	4609.800	4621.219
22.0	4542.840	4618.624	4602.014	4594.228	4604.090
22.5	4527.788	4601.495	4584.884	4578.137	4588.518
23.0	4512.735	4583.846	4565.679	4559.450	4569.832
23.5	4497.682	4564.122	4546.993	4542.840	4553.222
24.0	4478.996	4546.474	4526.749	4526.230	4535.054
24.5	4462.905	4528.826	4505.987	4507.544	4517.925
25.0	4445.257	4507.025	4483.667	4490.415	4498.201
25.5	4425.013	4488.858	4463.943	4471.210	4479.515
26.0	4401.655	4470.691	4444.737	4452.004	4458.752
26.5	4376.221	4446.814	4426.051	4431.761	4438.509

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

**CANDELA TABULATION - (Cont.)**

27.0	4352.863	4423.456	4405.808	4412.036	4418.265
27.5	4330.025	4399.060	4387.121	4392.312	4398.541
28.0	4308.224	4374.664	4366.878	4373.626	4378.816
28.5	4289.538	4350.268	4345.596	4353.382	4357.535
29.0	4268.775	4326.391	4323.796	4329.505	4336.772
29.5	4248.013	4302.514	4301.995	4307.705	4318.086
30.0	4227.250	4276.042	4278.637	4284.866	4296.285
30.5	4206.487	4251.646	4257.356	4261.508	4276.561
31.0	4184.168	4224.655	4236.074	4239.708	4254.760
31.5	4159.253	4198.182	4213.754	4217.388	4232.960
32.0	4133.300	4174.306	4190.397	4194.549	4210.121
32.5	4106.308	4148.871	4168.077	4174.306	4186.244
33.0	4078.279	4123.956	4147.833	4151.986	4164.443
33.5	4051.288	4097.484	4124.476	4129.147	4144.719
34.0	4023.777	4069.455	4099.041	4105.270	4121.880
34.5	3997.824	4041.944	4073.088	4081.393	4098.003
35.0	3973.947	4013.396	4044.540	4058.035	4072.569
35.5	3951.627	3984.848	4011.839	4033.639	4049.730
36.0	3924.636	3954.223	3985.367	4009.244	4025.854
36.5	3896.607	3923.598	3959.933	3983.809	4000.419
37.0	3864.425	3892.973	3931.903	3958.894	3975.504
37.5	3829.648	3862.868	3903.355	3933.979	3949.032
38.0	3796.428	3833.281	3877.921	3908.026	3921.522
38.5	3762.689	3803.175	3853.525	3881.035	3891.416
39.0	3733.102	3773.070	3824.976	3851.967	3863.387
39.5	3705.073	3740.888	3793.313	3821.343	3835.876
40.0	3676.005	3707.149	3761.650	3792.275	3807.328
40.5	3645.899	3673.410	3731.545	3762.689	3780.337
41.0	3617.870	3639.671	3700.920	3730.507	3752.826
41.5	3583.612	3605.412	3668.219	3700.920	3721.163
42.0	3545.720	3571.673	3634.999	3669.257	3688.982
42.5	3504.714	3537.415	3601.260	3637.594	3657.319
43.0	3464.746	3502.638	3569.078	3605.931	3626.694
43.5	3427.374	3465.784	3535.858	3573.750	3596.588
44.0	3394.154	3431.007	3505.752	3542.606	3568.559
44.5	3366.643	3396.749	3473.570	3514.576	3538.453
45.0	3338.095	3360.415	3441.388	3485.509	3503.676
45.5	3306.951	3325.118	3406.611	3450.732	3472.013
46.0	3270.098	3288.784	3367.681	3412.321	3437.755
46.5	3232.206	3250.892	3326.676	3380.658	3405.054
47.0	3192.238	3214.558	3291.898	3347.957	3373.391
47.5	3156.423	3179.781	3257.121	3313.699	3339.652
48.0	3123.722	3146.042	3220.268	3280.998	3304.875
48.5	3091.540	3115.417	3183.933	3248.816	3263.350
49.0	3057.282	3073.373	3149.675	3215.596	3210.405
49.5	3020.428	3028.733	3115.936	3182.376	3149.156
50.0	2974.232	2991.361	3080.640	3146.561	3075.449
50.5	2932.188	2958.660	3042.748	3108.150	2985.651
51.0	2892.739	2919.730	3004.856	3061.434	2882.357
51.5	2858.481	2881.838	2965.408	3004.337	2783.216
52.0	2825.780	2840.832	2928.035	2937.897	2703.281
52.5	2788.407	2801.384	2890.143	2851.733	2627.497
53.0	2745.325	2758.820	2851.214	2753.111	2513.823
53.5	2701.204	2719.372	2813.841	2650.336	2360.699
54.0	2660.198	2683.556	2774.392	2563.653	2185.775
54.5	2625.940	2644.108	2734.424	2488.908	2040.956

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

**CANDELA TABULATION - (Cont.)**

55.0	2591.682	2597.911	2696.014	2395.476	1939.220
55.5	2548.081	2555.348	2656.565	2262.596	1861.879
56.0	2500.846	2521.090	2618.154	2097.015	1786.615
56.5	2461.397	2484.755	2579.225	1942.853	1692.665
57.0	2428.177	2444.268	2538.219	1833.850	1597.676
57.5	2390.805	2399.110	2493.060	1755.991	1518.779
58.0	2347.722	2354.989	2444.787	1692.665	1469.987
58.5	2299.450	2312.945	2385.614	1615.324	1439.362
59.0	2260.520	2271.939	2317.617	1509.436	1413.928
59.5	2222.628	2227.819	2240.276	1421.714	1378.113
60.0	2173.836	2181.622	2148.921	1369.808	1330.359
60.5	2127.121	2142.173	2066.909	1339.183	1269.628
61.0	2085.077	2099.091	1989.569	1313.230	1194.364
61.5	2048.223	2054.452	1899.771	1275.338	1114.948
62.0	2004.103	2007.217	1802.187	1226.546	1035.531
62.5	1949.601	1959.463	1676.055	1162.701	930.161
63.0	1901.847	1918.457	1533.832	1083.285	771.847
63.5	1863.956	1877.970	1418.599	1006.463	644.157
64.0	1817.759	1830.736	1340.221	929.642	568.374
64.5	1773.639	1789.211	1280.529	815.448	498.872
65.0	1732.114	1746.647	1211.493	665.958	392.723
65.5	1677.093	1698.375	1124.810	562.664	340.298
66.0	1630.377	1653.735	1052.141	499.598	328.567
66.5	1589.890	1613.248	1008.540	406.686	323.169
67.0	1545.770	1568.090	974.281	340.817	318.445
67.5	1499.573	1523.450	938.466	316.992	313.774
68.0	1451.820	1482.963	892.269	310.452	309.414
68.5	1410.294	1435.210	826.868	305.261	305.157
69.0	1369.808	1392.127	752.122	300.434	300.901
69.5	1324.649	1348.007	688.278	295.918	296.541
70.0	1280.529	1307.001	600.556	291.610	292.233
70.5	1237.966	1260.285	488.023	287.198	288.080
71.0	1200.593	1211.493	415.510	283.097	283.928
71.5	1157.511	1160.625	360.801	278.996	279.256
72.0	1114.429	1106.643	298.202	274.377	274.740
72.5	1071.865	1037.607	267.266	269.965	269.913
73.0	1031.897	965.457	259.220	265.501	264.670
73.5	991.930	903.689	253.874	260.725	259.376
74.0	951.962	838.287	248.631	255.587	253.562
74.5	912.513	766.656	243.700	250.033	247.801
75.0	868.393	675.301	238.717	244.375	241.780
75.5	827.906	611.456	233.942	238.561	235.499
76.0	787.419	564.741	229.322	232.540	229.114
76.5	744.337	513.665	224.339	226.363	222.522
77.0	701.254	459.475	219.356	220.031	215.982
77.5	657.653	424.178	214.010	213.646	209.234
78.0	608.861	381.148	208.456	207.054	202.487
78.5	568.374	327.269	202.487	200.151	195.531
79.0	532.559	285.692	196.465	193.403	188.731
79.5	495.394	225.533	190.289	186.655	181.776
80.0	457.866	193.870	183.904	179.700	174.665
80.5	420.285	164.232	177.520	172.537	167.657
81.0	382.134	154.162	170.876	165.425	161.325
81.5	344.502	147.881	163.920	158.418	155.252
82.0	310.607	141.341	156.653	151.307	147.154
82.5	280.346	134.749	149.386	144.248	139.991

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

**CANDELA TABULATION - (Cont.)**

83.0	247.801	128.312	141.652	136.981	133.036
83.5	216.034	121.616	133.970	129.818	125.925
84.0	185.357	114.765	126.029	122.343	118.606
84.5	156.705	107.498	118.243	114.557	110.976
85.0	128.209	100.179	110.197	106.148	102.619
85.5	113.415	92.393	101.581	97.117	94.054
86.0	97.169	84.348	92.497	87.618	84.763
86.5	73.551	75.939	82.323	77.340	75.368
87.0	61.198	67.167	71.527	66.596	65.142
87.5	53.412	58.031	60.004	55.695	54.138
88.0	45.678	48.013	48.480	43.705	41.785
88.5	37.217	37.217	36.750	30.729	28.341
89.0	27.199	26.836	25.019	19.932	18.323
89.5	17.025	18.011	16.091	13.651	13.236
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-2-L120-850-HA-HE-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-2-L120-850-HA-HE-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-HE-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-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1826.19	N.A.	14.00
0-30	3894.95	N.A.	29.80
0-40	6418.09	N.A.	49.10
0-60	11270.61	N.A.	86.20
0-80	12961.63	N.A.	99.10
0-90	13079.37	N.A.	100.00
10-90	12608.45	N.A.	96.40
20-40	4591.89	N.A.	35.10
20-50	7232.19	N.A.	55.30
40-70	6073.11	N.A.	46.40
60-80	1691.03	N.A.	12.90
70-80	470.43	N.A.	3.60
80-90	117.74	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	13079.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	470.92
10-20	1355.27
20-30	2068.76
30-40	2523.13
40-50	2640.29
50-60	2212.23
60-70	1220.59
70-80	470.43
80-90	117.74
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-HE-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-HE-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

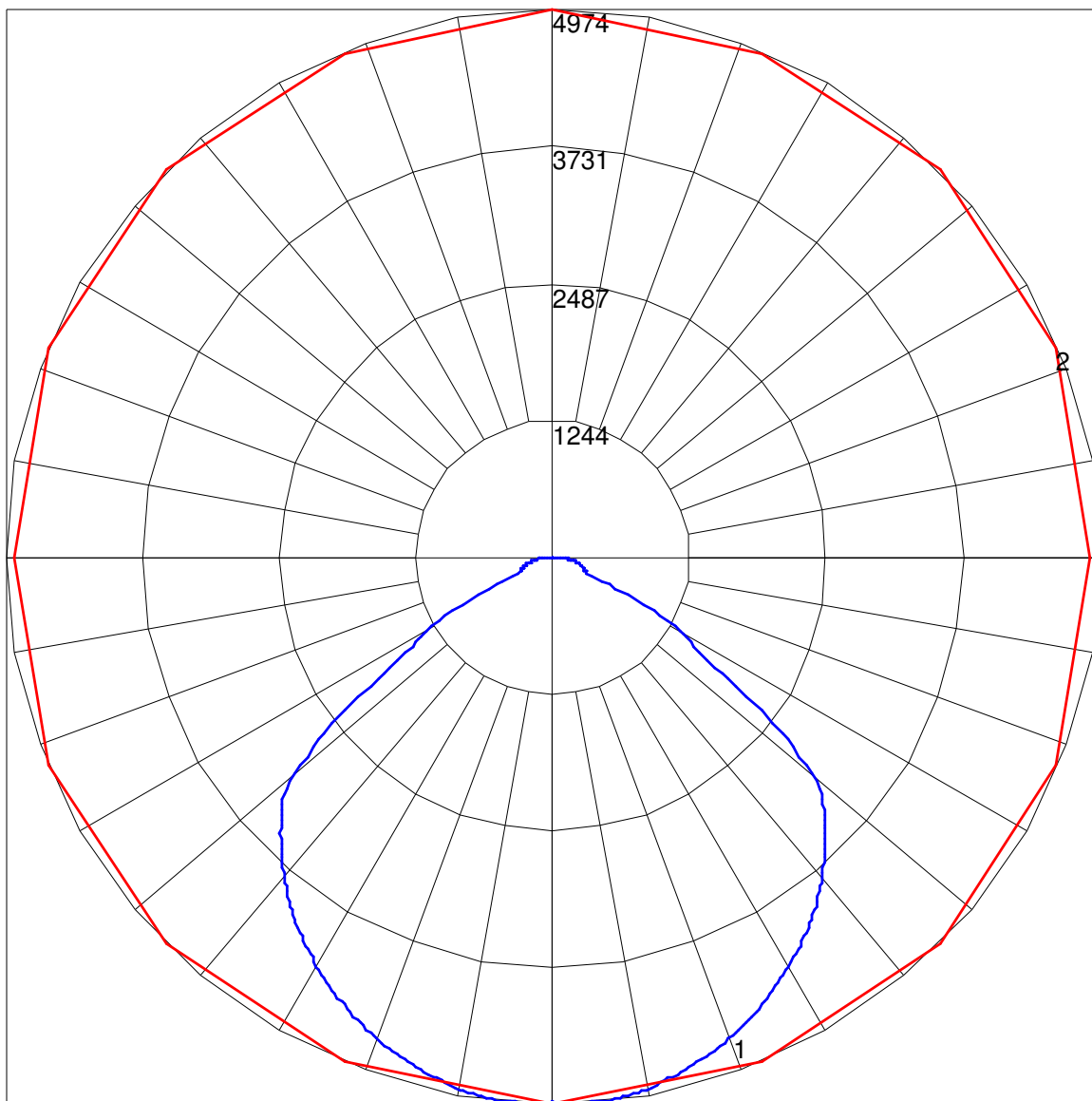
X=2H	Y=2H	23.7	25.3	24.1	25.6	25.9	21.3	22.9	21.7	23.2	23.5
	3H	25.4	26.8	25.8	27.1	27.5	21.4	22.8	21.8	23.2	23.5
	4H	25.9	27.3	26.3	27.6	28.0	21.5	22.8	21.9	23.2	23.6
	6H	26.2	27.4	26.6	27.8	28.2	21.6	22.9	22.1	23.2	23.6
	8H	26.3	27.4	26.7	27.8	28.2	21.7	22.9	22.1	23.3	23.7
	12H	26.3	27.4	26.7	27.8	28.2	21.8	22.9	22.2	23.3	23.7

UGR Viewed Endwise

4H	2H	24.0	25.3	24.4	25.6	26.0	21.9	23.3	22.3	23.6	24.0
	3H	25.8	26.9	26.2	27.3	27.7	22.1	23.2	22.5	23.6	24.0
	4H	26.4	27.4	26.8	27.8	28.2	22.3	23.2	22.7	23.6	24.1
	6H	26.8	27.6	27.2	28.0	28.5	22.4	23.3	22.9	23.7	24.2
	8H	26.8	27.6	27.3	28.1	28.5	22.5	23.3	23.0	23.8	24.2
	12H	26.9	27.6	27.4	28.1	28.5	22.6	23.3	23.1	23.8	24.3
8H	4H	26.4	27.2	26.8	27.6	28.1	22.4	23.2	22.9	23.7	24.1
	6H	26.7	27.4	27.2	27.9	28.3	22.7	23.4	23.2	23.8	24.3
	8H	26.8	27.4	27.3	27.9	28.4	22.8	23.4	23.3	23.9	24.4
	12H	26.9	27.4	27.4	27.9	28.5	23.0	23.5	23.5	24.0	24.6
12H	4H	26.3	27.1	26.8	27.5	28.0	22.5	23.2	22.9	23.6	24.1
	6H	26.7	27.3	27.2	27.8	28.3	22.7	23.3	23.2	23.8	24.3
	8H	26.8	27.3	27.3	27.8	28.4	22.9	23.4	23.4	23.9	24.5

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 4974.182 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.)