



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L120-835-HA-MD-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14629546.02
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2023-03-13
[TEST DATE] 1/5/2023
[MANUFAC] H E Williams Inc
[LUMCAT] GS-2-L120-835-HA-MD-DIM-UNV
[LUMINAIRE] White aluminum housing, prismatic lense enclosure
[LAMP] 448 White LEDs
[BALLAST] ULT D21CC80UNVPW-C
[OTHER] 26 C, 276.949 V, 0.623316 A, 169.009 W, 0.979045 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	11251
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	85
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)	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	21392	20786	18176
55	16154	15150	12798
65	12551	11350	10562
75	12088	9873	10632
85	10806	7330	8144

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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	5086.714	5086.714	5086.714	5086.714	5086.714
0.5	5042.267	5081.775	5096.591	5086.714	5091.652
1.0	5042.267	5081.775	5096.591	5081.775	5091.652
1.5	5042.267	5081.775	5096.591	5081.775	5091.652
2.0	5037.328	5081.775	5091.652	5076.837	5086.714
2.5	5037.328	5076.837	5091.652	5076.837	5081.775
3.0	5032.390	5071.898	5086.714	5071.898	5076.837
3.5	5032.390	5071.898	5081.775	5066.960	5076.837
4.0	5027.451	5066.960	5076.837	5062.021	5071.898
4.5	5022.513	5062.021	5071.898	5057.083	5066.960
5.0	5022.513	5057.083	5071.898	5057.083	5062.021
5.5	5017.574	5052.144	5066.960	5052.144	5057.083
6.0	5012.636	5047.205	5062.021	5047.205	5052.144
6.5	5007.697	5047.205	5057.083	5042.267	5047.205
7.0	5002.758	5037.328	5052.144	5037.328	5042.267
7.5	4992.881	5032.390	5047.205	5032.390	5037.328
8.0	4987.943	5027.451	5042.267	5027.451	5032.390
8.5	4983.004	5022.513	5037.328	5022.513	5022.513
9.0	4973.127	5012.636	5027.451	5017.574	5017.574
9.5	4968.188	5007.697	5022.513	5007.697	5012.636
10.0	4958.311	5002.758	5017.574	5002.758	5002.758
10.5	4948.434	4992.881	5007.697	4992.881	4997.820
11.0	4943.496	4983.004	4997.820	4983.004	4987.943
11.5	4934.112	4973.127	4987.943	4973.127	4978.066
12.0	4925.223	4963.250	4978.066	4963.250	4968.188
12.5	4915.840	4953.373	4968.188	4953.373	4958.311
13.0	4905.469	4943.496	4958.311	4943.496	4948.434
13.5	4893.616	4930.162	4948.434	4931.149	4938.557
14.0	4881.764	4918.309	4933.125	4919.791	4927.198
14.5	4868.923	4905.963	4920.284	4907.938	4916.334
15.0	4855.589	4894.110	4907.444	4895.098	4904.975
15.5	4841.268	4880.776	4893.616	4882.258	4893.616
16.0	4826.946	4866.948	4878.801	4869.417	4880.776
16.5	4812.130	4852.626	4864.479	4856.083	4867.442
17.0	4796.821	4837.317	4849.169	4841.761	4853.120
17.5	4780.523	4821.019	4834.354	4827.440	4838.304
18.0	4763.732	4804.722	4819.538	4812.130	4822.995
18.5	4747.929	4787.931	4803.735	4796.327	4805.710
19.0	4731.138	4771.140	4787.931	4780.029	4789.413
19.5	4714.841	4753.361	4771.634	4763.238	4772.128
20.0	4697.556	4735.089	4752.867	4746.941	4755.831
20.5	4678.789	4715.334	4732.619	4730.644	4737.558
21.0	4659.529	4694.099	4710.396	4713.359	4719.779
21.5	4639.774	4672.863	4691.629	4694.592	4701.013
22.0	4619.033	4651.627	4671.875	4675.826	4682.246
22.5	4596.809	4628.910	4649.652	4655.578	4661.998
23.0	4574.092	4606.192	4626.440	4634.342	4640.268
23.5	4550.387	4582.981	4603.229	4612.119	4618.539
24.0	4525.200	4558.288	4578.536	4588.907	4596.315
24.5	4500.507	4533.102	4554.337	4564.708	4573.598
25.0	4474.827	4507.915	4530.138	4539.522	4549.893
25.5	4447.665	4480.753	4504.458	4513.347	4525.694
26.0	4420.996	4454.579	4478.777	4486.185	4499.519
26.5	4393.834	4426.429	4451.615	4459.023	4472.851

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CANDELA TABULATION - (Cont.)

27.0	4365.191	4398.773	4423.959	4430.380	4445.195
27.5	4336.053	4370.129	4395.316	4401.242	4416.552
28.0	4305.434	4340.498	4365.685	4370.623	4386.426
28.5	4274.815	4309.879	4334.572	4339.510	4354.820
29.0	4240.245	4278.272	4302.965	4306.916	4321.731
29.5	4207.157	4245.678	4270.370	4273.334	4287.161
30.0	4173.081	4212.095	4236.294	4238.270	4251.110
30.5	4137.523	4178.019	4200.737	4201.231	4212.589
31.0	4100.978	4142.956	4164.685	4160.734	4172.093
31.5	4063.939	4107.398	4126.658	4118.263	4129.128
32.0	4026.899	4071.840	4089.125	4079.248	4090.607
32.5	3987.885	4033.320	4049.617	4037.270	4048.135
33.0	3949.858	3994.799	4009.121	3991.342	3988.379
33.5	3909.856	3954.303	3966.649	3944.919	3933.561
34.0	3869.360	3912.325	3923.684	3895.534	3877.755
34.5	3829.357	3869.853	3879.237	3843.185	3819.974
35.0	3786.392	3826.888	3833.308	3789.355	3759.230
35.5	3743.426	3782.935	3785.404	3733.055	3695.028
36.0	3698.485	3737.006	3736.018	3674.287	3629.346
36.5	3652.557	3689.596	3684.164	3612.555	3561.194
37.0	3605.641	3641.198	3631.321	3549.835	3492.054
37.5	3557.737	3591.813	3576.997	3484.152	3421.432
38.0	3507.857	3541.933	3522.179	3418.469	3348.836
38.5	3456.990	3490.572	3465.386	3350.811	3276.239
39.0	3405.135	3438.717	3407.604	3281.671	3201.667
39.5	3351.799	3386.369	3348.342	3212.038	3127.588
40.0	3297.968	3333.032	3288.091	3141.910	3053.016
40.5	3242.657	3279.202	3226.359	3070.795	2977.456
41.0	3186.851	3224.384	3164.627	3000.173	2897.451
41.5	3131.539	3168.578	3101.908	2928.564	2815.471
42.0	3075.240	3112.279	3037.707	2858.437	2747.319
42.5	3018.940	3055.485	2974.493	2793.248	2679.167
43.0	2962.147	2998.198	2911.279	2722.627	2607.558
43.5	2905.353	2939.923	2848.066	2647.560	2534.961
44.0	2848.560	2881.648	2784.359	2579.902	2463.352
44.5	2792.260	2822.385	2720.651	2511.750	2394.213
45.0	2736.455	2762.629	2658.919	2445.080	2325.073
45.5	2679.661	2703.860	2596.199	2379.397	2257.414
46.0	2622.868	2645.091	2534.468	2315.196	2192.226
46.5	2567.556	2585.829	2474.217	2252.970	2129.012
47.0	2511.750	2527.554	2413.473	2191.732	2067.280
47.5	2455.944	2469.772	2354.210	2131.481	2008.017
48.0	2401.126	2411.991	2295.441	2073.206	1950.730
48.5	2346.309	2355.692	2237.166	2016.413	1894.924
49.0	2291.491	2299.886	2180.373	1960.113	1841.588
49.5	2236.179	2244.080	2124.567	1906.283	1790.227
50.0	2181.855	2189.262	2069.255	1853.440	1740.841
50.5	2128.518	2134.938	2014.437	1801.586	1692.444
51.0	2075.676	2081.602	1961.595	1752.200	1646.021
51.5	2022.339	2029.253	1908.752	1700.839	1602.068
52.0	1970.978	1977.398	1857.885	1654.417	1558.609
52.5	1919.123	1926.531	1809.487	1610.463	1517.125
53.0	1868.256	1876.158	1763.065	1567.004	1477.122
53.5	1818.377	1826.278	1712.198	1524.533	1438.108
54.0	1769.979	1777.387	1662.812	1483.049	1400.575
54.5	1722.569	1729.483	1616.390	1443.046	1364.029

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CANDELA TABULATION - (Cont.)

55.0	1676.146	1682.073	1571.943	1404.032	1327.978
55.5	1629.724	1635.156	1527.990	1366.005	1293.408
56.0	1585.771	1589.722	1485.024	1328.966	1259.826
56.5	1542.311	1544.781	1443.046	1293.408	1227.231
57.0	1499.346	1500.828	1402.056	1258.344	1195.131
57.5	1458.356	1457.862	1362.054	1224.268	1164.018
58.0	1418.847	1416.378	1323.039	1191.180	1133.893
58.5	1379.833	1375.388	1284.519	1159.079	1104.755
59.0	1341.806	1335.880	1246.986	1127.473	1076.605
59.5	1304.273	1296.865	1210.440	1096.854	1048.950
60.0	1268.715	1258.838	1174.883	1067.716	1022.775
60.5	1233.652	1222.787	1140.313	1038.579	997.589
61.0	1199.576	1187.229	1106.237	1010.923	972.402
61.5	1165.993	1152.659	1073.148	983.761	948.697
62.0	1133.893	1119.571	1041.048	958.080	925.979
62.5	1102.780	1087.470	1009.935	932.893	904.250
63.0	1072.161	1057.345	979.316	908.201	883.508
63.5	1041.048	1028.701	950.178	884.496	863.260
64.0	1005.490	996.107	922.029	861.778	843.999
64.5	982.773	968.451	894.373	840.049	825.233
65.0	959.562	941.783	867.704	818.813	807.454
65.5	933.387	915.608	842.024	798.565	790.169
66.0	909.188	886.965	817.331	778.317	773.378
66.5	884.989	861.778	793.132	759.056	757.081
67.0	862.272	837.579	769.427	740.290	741.277
67.5	840.049	813.874	747.204	722.017	725.474
68.0	818.813	791.157	725.474	704.238	710.165
68.5	798.071	768.933	704.238	686.953	694.855
69.0	778.317	747.204	683.496	669.668	680.039
69.5	759.550	725.968	663.742	652.877	665.224
70.0	740.784	705.226	643.988	636.580	650.902
70.5	722.511	684.978	625.221	619.789	636.086
71.0	704.732	665.224	605.961	603.492	621.764
71.5	686.953	645.469	587.688	587.194	606.949
72.0	670.162	625.715	569.416	570.897	592.133
72.5	652.877	606.455	549.661	554.106	576.823
73.0	636.086	587.194	531.883	537.809	561.514
73.5	619.789	567.934	515.092	520.524	546.204
74.0	603.492	548.674	497.313	503.733	530.401
74.5	583.737	529.413	479.040	486.448	514.104
75.0	565.959	510.153	462.249	469.163	497.807
75.5	547.686	491.386	445.458	451.384	480.522
76.0	528.919	472.126	425.210	434.099	463.731
76.5	510.153	452.866	406.937	416.320	445.952
77.0	490.893	434.099	388.664	398.542	428.173
77.5	471.632	414.839	370.392	380.763	409.900
78.0	451.384	396.072	352.613	362.490	391.134
78.5	430.642	376.812	334.340	344.711	372.367
79.0	410.394	358.045	316.562	326.932	353.107
79.5	390.146	338.785	297.795	308.660	333.846
80.0	369.404	320.019	280.016	290.881	314.586
80.5	348.662	301.252	262.237	273.102	294.832
81.0	327.920	282.485	244.459	255.323	275.571
81.5	307.672	264.213	226.680	238.038	255.817
82.0	287.424	246.434	209.395	220.754	236.557
82.5	267.176	228.161	192.110	203.962	217.790

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CANDELA TABULATION - (Cont.)

83.0	247.422	208.901	175.813	187.171	199.024
83.5	227.667	193.098	160.009	170.874	181.245
84.0	208.407	177.788	144.206	154.577	162.972
84.5	189.147	160.503	129.390	139.267	145.687
85.0	170.380	145.194	115.562	123.958	128.402
85.5	152.108	130.378	101.734	109.636	112.599
86.0	133.341	115.068	88.894	95.808	96.302
86.5	115.562	100.253	77.041	80.992	81.980
87.0	97.783	85.437	65.189	67.164	67.658
87.5	80.498	70.621	53.830	54.324	54.324
88.0	63.214	57.287	43.459	42.472	42.472
88.5	46.422	45.435	34.076	32.594	31.113
89.0	32.594	35.064	26.174	24.199	22.717
89.5	22.224	26.174	18.767	17.285	17.285
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-L120-835-HA-MD-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-L120-835-HA-MD-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-L120-835-HA-MD-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1861.97	N.A.	16.50
0-30	3941.85	N.A.	35.00
0-40	6302.76	N.A.	56.00
0-60	9698.17	N.A.	86.20
0-80	11097.46	N.A.	98.60
0-90	11251.49	N.A.	100.00
10-90	10770.58	N.A.	95.70
20-40	4440.79	N.A.	39.50
20-50	6447.42	N.A.	57.30
40-70	4276.19	N.A.	38.00
60-80	1399.29	N.A.	12.40
70-80	518.51	N.A.	4.60
80-90	154.03	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	11251.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	480.91
10-20	1381.06
20-30	2079.88
30-40	2360.91
40-50	2006.63
50-60	1388.78
60-70	880.78
70-80	518.51
80-90	154.03
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-L120-835-HA-MD-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-2-L120-835-HA-MD-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	20.9	22.4	21.2	22.7	23.0	19.6	21.1	20.0	21.4	21.7
	3H	22.3	23.6	22.7	24.0	24.3	21.2	22.5	21.5	22.8	23.2
	4H	22.9	24.2	23.3	24.5	24.9	21.9	23.1	22.3	23.5	23.9
	6H	23.5	24.7	23.9	25.0	25.4	22.5	23.6	22.9	24.0	24.4
	8H	23.7	24.8	24.1	25.2	25.6	22.6	23.7	23.1	24.1	24.5
	12H	23.8	24.9	24.3	25.3	25.7	22.8	23.8	23.2	24.2	24.6

UGR Viewed Endwise

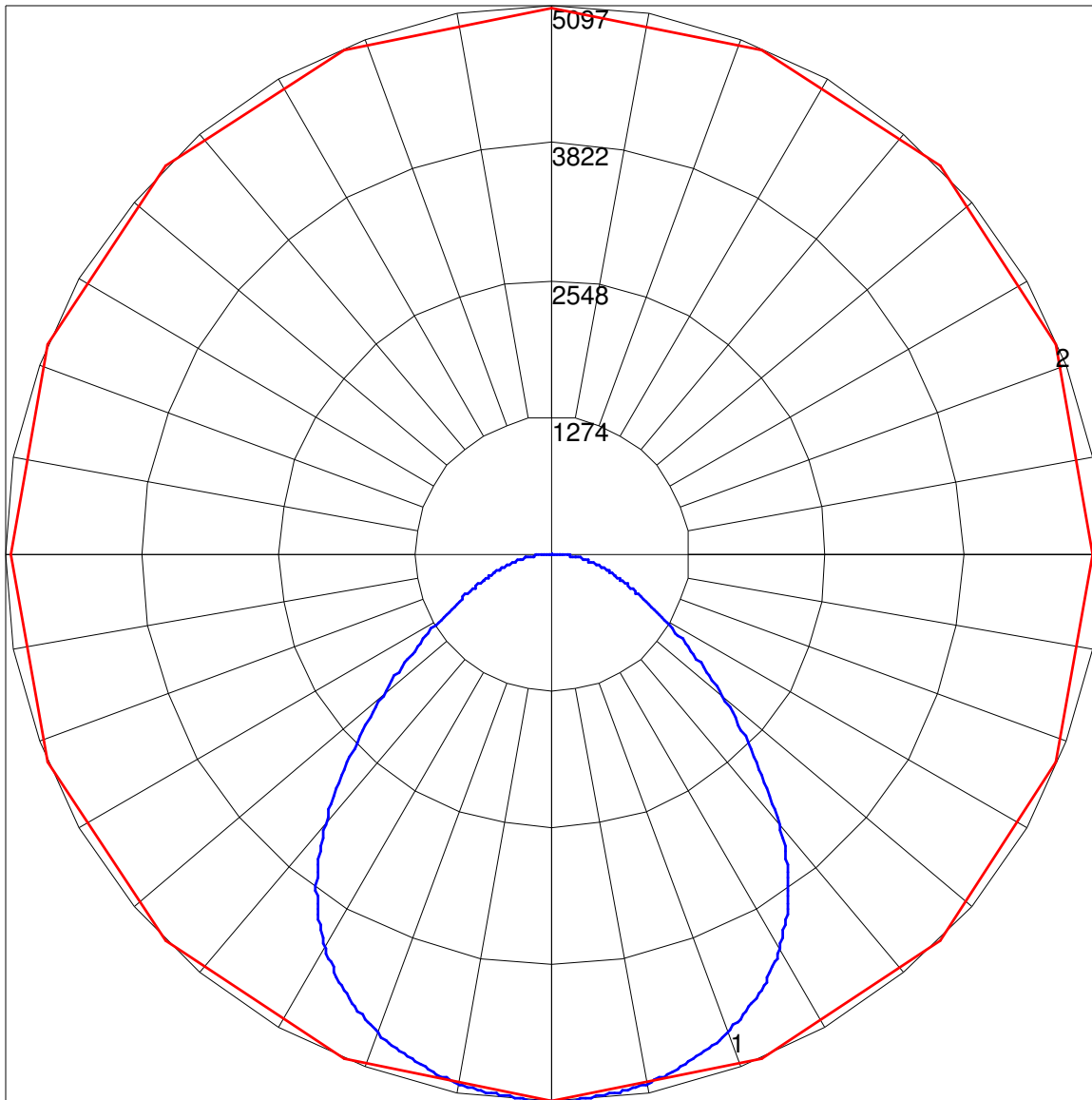
4H	2H	21.2	22.5	21.6	22.8	23.2	20.2	21.4	20.6	21.8	22.2
	3H	22.9	23.9	23.3	24.3	24.7	22.0	23.0	22.4	23.4	23.8
	4H	23.7	24.6	24.1	25.0	25.5	22.8	23.7	23.2	24.2	24.6
	6H	24.4	25.2	24.8	25.6	26.1	23.5	24.3	24.0	24.8	25.2
	8H	24.6	25.4	25.1	25.8	26.3	23.7	24.5	24.2	25.0	25.4
	12H	24.8	25.5	25.3	26.0	26.5	23.9	24.6	24.4	25.1	25.5

8H	4H	23.9	24.7	24.3	25.1	25.6	23.1	23.9	23.6	24.3	24.8
	6H	24.7	25.3	25.2	25.8	26.3	23.9	24.6	24.4	25.0	25.5
	8H	25.0	25.6	25.5	26.1	26.6	24.2	24.8	24.7	25.3	25.8
	12H	25.3	25.8	25.8	26.3	26.9	24.4	25.0	25.0	25.5	26.0

12H	4H	23.9	24.6	24.4	25.1	25.5	23.1	23.8	23.6	24.3	24.8
	6H	24.7	25.3	25.3	25.8	26.3	24.0	24.6	24.5	25.0	25.6
	8H	25.1	25.6	25.6	26.1	26.7	24.3	24.8	24.8	25.3	25.9

Maximum UGR = 26.9

POLAR GRAPH



Maximum Candela = 5096.591 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.)