



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L120-850-HA-MD-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14629546.02
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 2023-03-13
[TESTDATE] 1/5/2023
[MANUFAC] H E Williams Inc
[LUMCAT] GS-2-L120-850-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	11947
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
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	22716	22072	19301
55	17153	16087	13590
65	13327	12052	11215
75	12835	10483	11290
85	11475	7783	8648

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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	5401.356	5401.356	5401.356	5401.356	5401.356
0.5	5354.160	5396.112	5411.844	5401.356	5406.600
1.0	5354.160	5396.112	5411.844	5396.112	5406.600
1.5	5354.160	5396.112	5411.844	5396.112	5406.600
2.0	5348.916	5396.112	5406.600	5390.868	5401.356
2.5	5348.916	5390.868	5406.600	5390.868	5396.112
3.0	5343.672	5385.624	5401.356	5385.624	5390.868
3.5	5343.672	5385.624	5396.112	5380.380	5390.868
4.0	5338.428	5380.380	5390.868	5375.136	5385.624
4.5	5333.184	5375.136	5385.624	5369.892	5380.380
5.0	5333.184	5369.892	5385.624	5369.892	5375.136
5.5	5327.940	5364.648	5380.380	5364.648	5369.892
6.0	5322.696	5359.404	5375.136	5359.404	5364.648
6.5	5317.452	5359.404	5369.892	5354.160	5359.404
7.0	5312.208	5348.916	5364.648	5348.916	5354.160
7.5	5301.720	5343.672	5359.404	5343.672	5348.916
8.0	5296.475	5338.428	5354.160	5338.428	5343.672
8.5	5291.231	5333.184	5348.916	5333.184	5333.184
9.0	5280.743	5322.696	5338.428	5327.940	5327.940
9.5	5275.499	5317.452	5333.184	5317.452	5322.696
10.0	5265.011	5312.208	5327.940	5312.208	5312.208
10.5	5254.523	5301.720	5317.452	5301.720	5306.964
11.0	5249.279	5291.231	5306.964	5291.231	5296.475
11.5	5239.315	5280.743	5296.475	5280.743	5285.987
12.0	5229.876	5270.255	5285.987	5270.255	5275.499
12.5	5219.913	5259.767	5275.499	5259.767	5265.011
13.0	5208.900	5249.279	5265.011	5249.279	5254.523
13.5	5196.314	5235.120	5254.523	5236.169	5244.035
14.0	5183.729	5222.535	5238.267	5224.108	5231.974
14.5	5170.094	5209.424	5224.632	5211.522	5220.437
15.0	5155.935	5196.839	5210.998	5197.888	5208.376
15.5	5140.728	5182.680	5196.314	5184.253	5196.314
16.0	5125.520	5167.997	5180.582	5170.619	5182.680
16.5	5109.788	5152.789	5165.375	5156.460	5168.521
17.0	5093.531	5136.532	5149.118	5141.252	5153.313
17.5	5076.226	5119.227	5133.386	5126.044	5137.581
18.0	5058.396	5101.922	5117.654	5109.788	5121.325
18.5	5041.615	5084.092	5100.873	5093.007	5102.971
19.0	5023.786	5066.262	5084.092	5075.702	5085.665
19.5	5006.480	5047.384	5066.787	5057.872	5067.311
20.0	4988.126	5027.981	5046.859	5040.567	5050.006
20.5	4968.199	5007.005	5025.359	5023.261	5030.603
21.0	4947.747	4984.455	5001.761	5004.907	5011.724
21.5	4926.771	4961.906	4981.833	4984.980	4991.797
22.0	4904.746	4939.357	4960.857	4965.052	4971.870
22.5	4881.148	4915.234	4937.259	4943.552	4950.369
23.0	4857.025	4891.112	4912.612	4921.003	4927.295
23.5	4831.854	4866.465	4887.965	4897.404	4904.222
24.0	4805.109	4840.244	4861.745	4872.757	4880.623
24.5	4778.889	4813.500	4836.049	4847.062	4856.501
25.0	4751.620	4786.755	4810.353	4820.317	4831.330
25.5	4722.778	4757.913	4783.084	4792.524	4805.634
26.0	4694.460	4730.120	4755.815	4763.682	4777.840
26.5	4665.618	4700.229	4726.973	4734.839	4749.523

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CANDELA TABULATION - (Cont.)

27.0	4635.203	4670.862	4697.607	4704.424	4720.156
27.5	4604.263	4640.447	4667.191	4673.484	4689.741
28.0	4571.750	4608.982	4635.727	4640.971	4657.752
28.5	4539.237	4576.469	4602.690	4607.934	4624.190
29.0	4502.529	4542.908	4569.128	4573.323	4589.055
29.5	4467.394	4508.297	4534.517	4537.664	4552.347
30.0	4431.210	4472.638	4498.333	4500.431	4514.065
30.5	4393.453	4436.454	4460.576	4461.101	4473.162
31.0	4354.647	4399.221	4422.295	4418.100	4430.161
31.5	4315.317	4361.464	4381.916	4373.001	4384.538
32.0	4275.986	4323.707	4342.061	4331.573	4343.634
32.5	4234.558	4282.803	4300.109	4286.999	4298.536
33.0	4194.179	4241.900	4257.108	4238.229	4235.083
33.5	4151.703	4198.899	4212.009	4188.935	4176.874
34.0	4108.702	4154.325	4166.386	4136.495	4117.616
34.5	4066.225	4109.226	4119.190	4080.908	4056.261
35.0	4020.602	4063.603	4070.420	4023.748	3991.760
35.5	3974.979	4016.931	4019.553	3963.966	3923.587
36.0	3927.258	3968.161	3967.113	3901.562	3853.841
36.5	3878.488	3917.819	3912.050	3836.012	3781.474
37.0	3828.670	3866.427	3855.939	3769.412	3708.057
37.5	3777.803	3813.987	3798.255	3699.667	3633.068
38.0	3724.838	3761.022	3740.046	3629.921	3555.980
38.5	3670.825	3706.484	3679.739	3558.078	3478.893
39.0	3615.762	3651.422	3618.384	3484.661	3399.708
39.5	3559.127	3595.835	3555.456	3410.720	3321.047
40.0	3501.967	3539.199	3491.479	3336.255	3241.863
40.5	3443.233	3482.039	3425.928	3260.741	3161.629
41.0	3383.976	3423.831	3360.378	3185.751	3076.675
41.5	3325.243	3364.573	3293.778	3109.713	2989.624
42.0	3265.461	3304.791	3225.606	3035.248	2917.257
42.5	3205.679	3244.485	3158.482	2966.026	2844.889
43.0	3145.372	3183.654	3091.359	2891.037	2768.851
43.5	3085.066	3121.774	3024.235	2811.327	2691.763
44.0	3024.759	3059.894	2956.587	2739.484	2615.725
44.5	2964.977	2996.966	2888.939	2667.116	2542.308
45.0	2905.720	2933.513	2823.389	2596.322	2468.892
45.5	2845.413	2871.109	2756.789	2526.576	2397.048
46.0	2785.107	2808.705	2691.239	2458.404	2327.827
46.5	2726.374	2745.777	2627.262	2392.329	2260.704
47.0	2667.116	2683.897	2562.760	2327.303	2195.153
47.5	2607.859	2622.542	2499.832	2263.326	2132.225
48.0	2549.650	2561.187	2437.428	2201.446	2071.394
48.5	2491.441	2501.405	2375.548	2141.140	2012.136
49.0	2433.232	2442.147	2315.242	2081.358	1955.501
49.5	2374.499	2382.890	2255.984	2024.198	1900.963
50.0	2316.815	2324.681	2197.251	1968.086	1848.522
50.5	2260.179	2266.996	2139.042	1913.024	1797.131
51.0	2204.068	2210.361	2082.931	1860.584	1747.837
51.5	2147.432	2154.774	2026.820	1806.046	1701.165
52.0	2092.894	2099.712	1972.806	1756.752	1655.017
52.5	2037.832	2045.698	1921.414	1710.080	1610.968
53.0	1983.818	1992.209	1872.121	1663.932	1568.491
53.5	1930.854	1939.244	1818.107	1618.834	1527.063
54.0	1879.462	1887.328	1765.667	1574.784	1487.208
54.5	1829.119	1836.461	1716.373	1532.307	1448.403

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CANDELA TABULATION - (Cont.)

55.0	1779.826	1786.118	1669.176	1490.879	1410.121
55.5	1730.532	1736.300	1622.504	1450.500	1373.413
56.0	1683.860	1688.055	1576.881	1411.170	1337.753
56.5	1637.712	1640.334	1532.307	1373.413	1303.143
57.0	1592.089	1593.662	1488.782	1336.180	1269.057
57.5	1548.564	1548.039	1446.305	1299.996	1236.019
58.0	1506.611	1503.989	1404.877	1264.861	1204.030
58.5	1465.183	1460.464	1363.974	1230.775	1173.091
59.0	1424.804	1418.512	1324.119	1197.213	1143.200
59.5	1384.950	1377.084	1285.313	1164.700	1113.833
60.0	1347.193	1336.705	1247.556	1133.760	1086.040
60.5	1309.960	1298.423	1210.848	1102.821	1059.295
61.0	1273.776	1260.666	1174.664	1073.454	1032.551
61.5	1238.117	1223.958	1139.529	1044.612	1007.379
62.0	1204.030	1188.823	1105.443	1017.343	983.257
62.5	1170.993	1154.737	1072.405	990.598	960.183
63.0	1138.480	1122.748	1039.892	964.378	938.158
63.5	1105.443	1092.333	1008.952	939.207	916.657
64.0	1067.686	1057.722	979.061	915.084	896.206
64.5	1043.563	1028.355	949.695	892.010	876.278
65.0	1018.916	1000.037	921.377	869.461	857.400
65.5	991.123	972.244	894.108	847.960	839.046
66.0	965.427	941.829	867.888	826.460	821.216
66.5	939.731	915.084	842.192	806.008	803.911
67.0	915.609	889.388	817.021	786.081	787.130
67.5	892.010	864.217	793.423	766.678	770.349
68.0	869.461	840.094	770.349	747.799	754.092
68.5	847.436	816.496	747.799	729.445	737.836
69.0	826.460	793.423	725.774	711.091	722.104
69.5	806.533	770.873	704.798	693.261	706.372
70.0	786.605	748.848	683.822	675.956	691.164
70.5	767.202	727.348	663.895	658.126	675.432
71.0	748.324	706.372	643.443	640.821	660.224
71.5	729.445	685.395	624.040	623.516	644.492
72.0	711.616	664.419	604.637	606.210	628.760
72.5	693.261	643.968	583.661	588.381	612.503
73.0	675.432	623.516	564.783	571.075	596.247
73.5	658.126	603.064	546.953	552.721	579.990
74.0	640.821	582.612	528.074	534.892	563.209
74.5	619.845	562.161	508.671	516.537	545.904
75.0	600.966	541.709	490.842	498.183	528.599
75.5	581.563	521.781	473.012	479.305	510.245
76.0	561.636	501.330	451.511	460.951	492.415
76.5	541.709	480.878	432.108	442.072	473.536
77.0	521.257	460.951	412.706	423.194	454.658
77.5	500.805	440.499	393.303	404.315	435.255
78.0	479.305	420.572	374.424	384.912	415.328
78.5	457.280	400.120	355.021	366.034	395.400
79.0	435.779	380.193	336.143	347.155	374.949
79.5	414.279	359.741	316.215	327.752	354.497
80.0	392.254	339.813	297.337	308.874	334.045
80.5	370.229	319.886	278.458	289.995	313.069
81.0	348.204	299.959	259.580	271.117	292.617
81.5	326.703	280.556	240.701	252.762	271.641
82.0	305.203	261.677	222.347	234.408	251.189
82.5	283.702	242.274	203.993	216.579	231.262

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CANDELA TABULATION - (Cont.)

83.0	262.726	221.823	186.688	198.749	211.335
83.5	241.750	205.042	169.907	181.444	192.456
84.0	221.298	188.785	153.126	164.138	173.053
84.5	200.847	170.431	137.394	147.882	154.699
85.0	180.919	154.175	122.710	131.625	136.345
85.5	161.516	138.443	108.027	116.418	119.564
86.0	141.589	122.186	94.393	101.734	102.259
86.5	122.710	106.454	81.807	86.002	87.051
87.0	103.832	90.722	69.221	71.319	71.843
87.5	85.478	74.990	57.160	57.684	57.684
88.0	67.124	60.831	46.148	45.099	45.099
88.5	49.294	48.245	36.184	34.611	33.037
89.0	34.611	37.233	27.793	25.696	24.123
89.5	23.598	27.793	19.927	18.354	18.354
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-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-L120-850-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-L120-850-HA-MD-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1977.14	N.A.	16.50
0-30	4185.67	N.A.	35.00
0-40	6692.62	N.A.	56.00
0-60	10298.06	N.A.	86.20
0-80	11783.9	N.A.	98.60
0-90	11947.46	N.A.	100.00
10-90	11436.8	N.A.	95.70
20-40	4715.48	N.A.	39.50
20-50	6846.23	N.A.	57.30
40-70	4540.7	N.A.	38.00
60-80	1485.84	N.A.	12.40
70-80	550.58	N.A.	4.60
80-90	163.56	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	11947.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	510.66
10-20	1466.48
20-30	2208.53
30-40	2506.95
40-50	2130.75
50-60	1474.69
60-70	935.26
70-80	550.59
80-90	163.56
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-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-L120-850-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	21.1	22.6	21.4	22.9	23.2	19.8	21.3	20.2	21.6	21.9
	3H	22.5	23.8	22.9	24.2	24.5	21.4	22.7	21.7	23.0	23.4
	4H	23.1	24.4	23.5	24.7	25.1	22.1	23.3	22.5	23.7	24.1
	6H	23.7	24.9	24.1	25.2	25.6	22.7	23.8	23.1	24.2	24.6
	8H	23.9	25.0	24.3	25.4	25.8	22.8	23.9	23.3	24.3	24.7
	12H	24.0	25.1	24.5	25.5	25.9	23.0	24.0	23.4	24.4	24.8

UGR Viewed Endwise

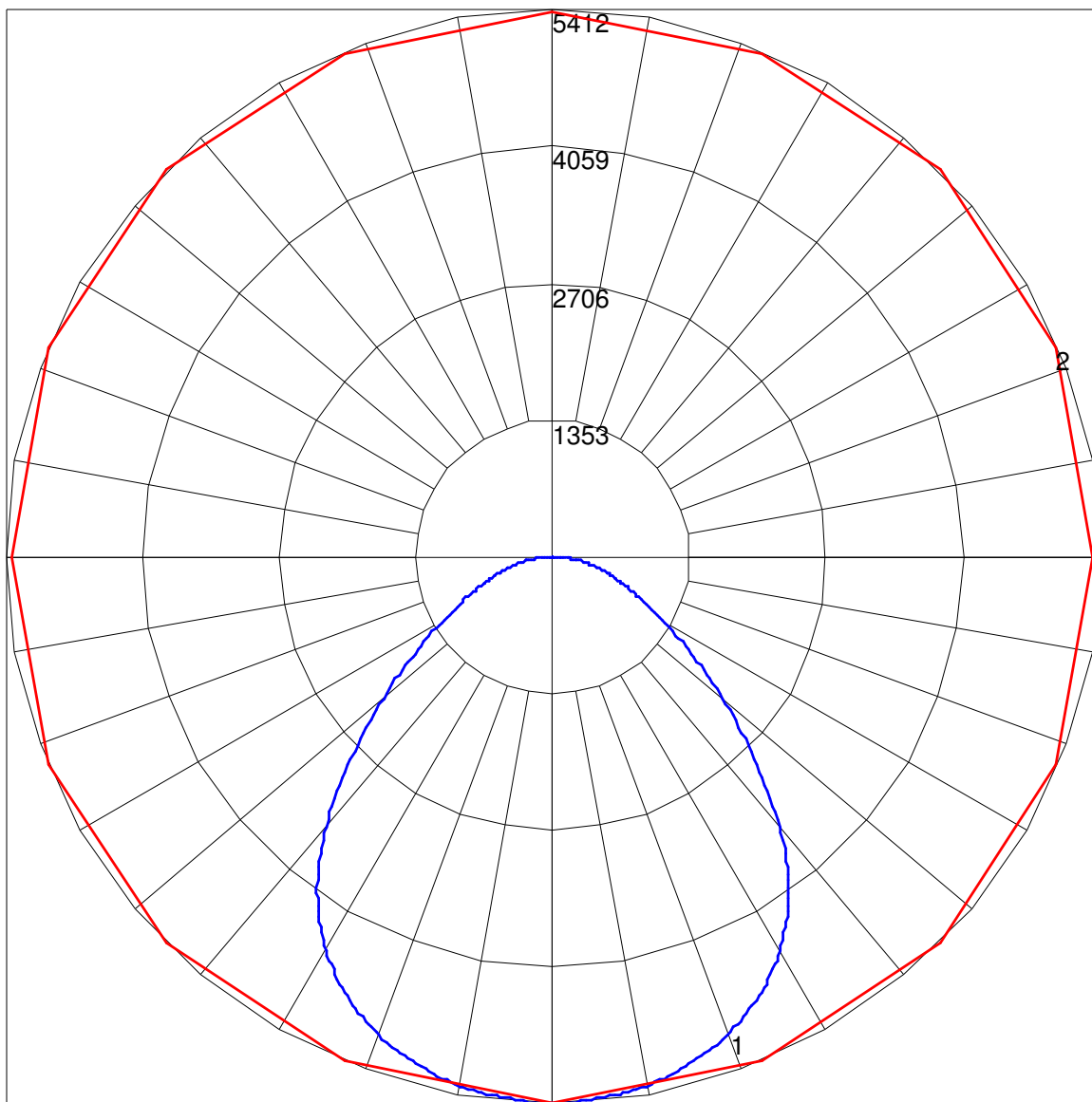
4H	2H	21.4	22.7	21.8	23.0	23.4	20.4	21.6	20.8	22.0	22.4
	3H	23.1	24.1	23.5	24.5	24.9	22.2	23.2	22.6	23.6	24.0
	4H	23.9	24.8	24.3	25.2	25.7	23.0	23.9	23.4	24.4	24.8
	6H	24.6	25.4	25.0	25.8	26.3	23.7	24.5	24.2	25.0	25.4
	8H	24.8	25.6	25.3	26.0	26.5	23.9	24.7	24.4	25.2	25.6
	12H	25.0	25.7	25.5	26.2	26.7	24.1	24.8	24.6	25.3	25.7

8H	4H	24.1	24.9	24.5	25.3	25.8	23.3	24.1	23.8	24.5	25.0
	6H	24.9	25.5	25.4	26.0	26.5	24.1	24.8	24.6	25.2	25.7
	8H	25.2	25.8	25.7	26.3	26.8	24.4	25.0	24.9	25.5	26.0
	12H	25.5	26.0	26.0	26.5	27.1	24.6	25.2	25.2	25.7	26.2

12H	4H	24.1	24.8	24.6	25.3	25.7	23.3	24.0	23.8	24.5	25.0
	6H	24.9	25.5	25.5	26.0	26.5	24.2	24.8	24.7	25.2	25.8
	8H	25.3	25.8	25.8	26.3	26.9	24.5	25.0	25.0	25.5	26.1

Maximum UGR = 27.1

POLAR GRAPH



Maximum Candela = 5411.844 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.)