



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L120-840-HA-ND-DIM-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14629546.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2023-03-13
[TEST DATE] 1/5/2023
[MANUFAC] H E Williams Inc
[LUMCAT] GS-2-L120-840-HA-ND-DIM-UNV
[LUMINAIRE] White aluminum housing, prismatic lense enclosure
[LAMP] 448 White LEDs
[BALLAST] ULT D21CC80UNVPW-C
[OTHER] 25.5 C, 276.967 V, 0.622888 A, 168.916 W, 0.979112 PF, 59.9997
[MORE] Hz
[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	11722
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	85
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
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	21148	20818	20957
55	19481	19275	18917
65	17396	17236	15811
75	14540	13855	11277
85	10722	8526	6943

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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	5157.891	5157.891	5157.891	5157.891	5157.891
0.5	5112.066	5157.891	5168.074	5157.891	5168.074
1.0	5106.974	5152.799	5168.074	5152.799	5168.074
1.5	5106.974	5152.799	5162.983	5152.799	5162.983
2.0	5101.882	5147.707	5157.891	5147.707	5157.891
2.5	5101.882	5142.616	5157.891	5142.616	5152.799
3.0	5096.790	5137.524	5152.799	5137.524	5147.707
3.5	5088.644	5132.432	5142.616	5127.341	5132.432
4.0	5083.043	5127.341	5137.524	5122.249	5132.432
4.5	5076.933	5122.249	5132.432	5112.066	5122.249
5.0	5069.804	5112.066	5127.341	5106.974	5112.066
5.5	5061.149	5106.974	5117.157	5096.790	5101.882
6.0	5051.474	5096.790	5106.974	5085.589	5096.790
6.5	5041.291	5084.570	5096.790	5073.878	5083.043
7.0	5029.071	5072.350	5083.043	5062.167	5070.823
7.5	5014.305	5058.603	5068.277	5047.910	5058.094
8.0	5001.067	5043.837	5053.002	5033.144	5043.328
8.5	4986.301	5027.543	5036.708	5017.869	5028.053
9.0	4969.498	5010.232	5018.887	5001.576	5011.759
9.5	4951.677	4991.392	5001.576	4984.264	4993.938
10.0	4931.310	4972.044	4981.718	4966.443	4975.608
10.5	4910.943	4950.659	4961.860	4947.095	4955.241
11.0	4889.049	4929.274	4940.475	4926.728	4933.347
11.5	4866.646	4906.870	4919.090	4905.343	4912.471
12.0	4843.224	4883.448	4895.159	4882.430	4888.540
12.5	4820.311	4858.499	4870.719	4859.517	4864.609
13.0	4796.889	4833.550	4844.751	4834.059	4839.660
13.5	4771.940	4807.582	4818.275	4806.054	4812.674
14.0	4745.463	4779.578	4791.289	4776.523	4786.197
14.5	4718.477	4751.064	4763.284	4750.555	4757.683
15.0	4689.964	4723.060	4734.262	4722.551	4729.170
15.5	4660.432	4694.037	4704.730	4692.000	4700.147
16.0	4630.900	4663.996	4673.161	4660.941	4669.088
16.5	4599.331	4634.464	4642.102	4630.391	4636.501
17.0	4566.745	4603.405	4613.588	4598.313	4603.405
17.5	4534.158	4571.836	4580.492	4565.726	4569.800
18.0	4502.080	4539.249	4546.378	4532.630	4536.194
18.5	4468.475	4507.172	4513.791	4499.025	4501.571
19.0	4435.379	4474.585	4480.186	4464.911	4466.438
19.5	4401.774	4441.489	4447.090	4429.778	4432.324
20.0	4368.678	4407.374	4412.975	4395.154	4398.209
20.5	4335.072	4373.769	4378.861	4360.022	4363.077
21.0	4300.449	4340.164	4345.256	4324.889	4328.453
21.5	4267.862	4305.540	4310.632	4289.756	4292.811
22.0	4233.238	4271.935	4276.009	4254.623	4258.188
22.5	4200.142	4238.330	4240.876	4219.491	4223.055
23.0	4166.537	4203.707	4205.234	4183.340	4186.395
23.5	4132.932	4169.592	4168.574	4146.170	4149.734
24.0	4099.836	4136.496	4131.914	4109.001	4113.583
24.5	4068.776	4101.363	4093.726	4071.832	4076.414
25.0	4035.680	4066.740	4056.047	4034.662	4040.772
25.5	4001.566	4031.607	4018.369	3998.511	4004.621
26.0	3968.470	3996.474	3980.690	3962.360	3969.998
26.5	3935.374	3960.832	3943.012	3925.700	3934.865

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CANDELA TABULATION - (Cont.)

27.0	3902.278	3928.755	3905.333	3889.549	3900.241
27.5	3868.673	3898.205	3868.164	3852.888	3865.618
28.0	3835.068	3857.471	3831.503	3816.737	3830.994
28.5	3801.971	3822.338	3794.843	3781.096	3796.880
29.0	3765.311	3790.770	3758.692	3745.454	3762.765
29.5	3731.706	3754.619	3723.050	3710.830	3728.651
30.0	3698.101	3718.468	3687.917	3676.207	3693.009
30.5	3665.514	3684.353	3653.294	3642.601	3658.386
31.0	3632.418	3650.239	3618.161	3608.996	3623.762
31.5	3600.340	3616.124	3583.028	3574.882	3588.629
32.0	3568.772	3582.010	3548.405	3541.276	3554.006
32.5	3536.694	3548.914	3513.781	3508.180	3520.401
33.0	3505.125	3515.309	3479.158	3474.066	3486.795
33.5	3474.066	3482.722	3444.534	3440.461	3454.208
34.0	3442.498	3449.117	3410.420	3406.346	3421.622
34.5	3410.929	3415.512	3372.232	3371.723	3388.526
35.0	3378.851	3382.415	3339.136	3337.099	3355.429
35.5	3347.283	3349.319	3306.549	3302.476	3322.333
36.0	3315.205	3316.223	3271.926	3268.361	3288.728
36.5	3283.127	3282.109	3237.811	3233.738	3255.632
37.0	3251.559	3248.504	3203.697	3199.114	3221.518
37.5	3224.064	3213.880	3168.564	3164.491	3187.913
38.0	3193.513	3179.766	3134.450	3129.867	3154.307
38.5	3152.271	3145.142	3100.335	3095.753	3121.211
39.0	3118.156	3110.010	3067.749	3061.638	3087.606
39.5	3084.042	3075.386	3035.671	3027.524	3053.492
40.0	3048.909	3040.253	2999.011	2993.410	3019.377
40.5	3014.286	3005.630	2963.369	2959.295	2985.263
41.0	2979.662	2971.515	2929.763	2925.181	2951.149
41.5	2945.039	2936.383	2896.158	2890.557	2916.525
42.0	2909.906	2901.759	2862.044	2855.934	2881.902
42.5	2875.791	2867.136	2828.948	2821.310	2848.296
43.0	2841.168	2832.512	2795.852	2787.196	2815.200
43.5	2807.054	2797.888	2762.247	2752.063	2781.595
44.0	2772.939	2763.774	2729.660	2717.440	2747.481
44.5	2738.825	2727.623	2696.054	2683.325	2714.385
45.0	2705.220	2690.963	2662.958	2648.702	2680.779
45.5	2671.614	2658.376	2629.862	2614.078	2645.647
46.0	2637.500	2624.262	2596.766	2579.455	2611.532
46.5	2604.913	2586.583	2563.161	2544.831	2576.400
47.0	2571.308	2555.014	2530.065	2510.207	2541.267
47.5	2537.193	2522.937	2496.460	2476.093	2506.134
48.0	2503.588	2488.822	2463.364	2441.470	2469.983
48.5	2469.983	2454.199	2429.759	2407.355	2434.341
49.0	2436.378	2420.084	2396.663	2372.732	2399.208
49.5	2402.773	2385.970	2363.567	2339.636	2363.057
50.0	2368.658	2351.346	2330.471	2306.030	2327.416
50.5	2334.544	2316.723	2297.884	2270.898	2291.774
51.0	2299.920	2282.609	2264.788	2236.274	2255.623
51.5	2265.806	2248.494	2232.201	2203.178	2219.981
52.0	2231.182	2214.889	2199.105	2169.064	2183.320
52.5	2195.541	2180.775	2166.518	2134.949	2146.660
53.0	2160.408	2146.660	2133.422	2101.344	2110.000
53.5	2125.784	2112.546	2100.326	2067.739	2073.340
54.0	2091.161	2078.941	2067.230	2034.134	2036.680
54.5	2056.537	2045.335	2033.624	1999.510	2000.019

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CANDELA TABULATION - (Cont.)

55.0	2021.404	2011.730	2000.019	1965.396	1962.850
55.5	1987.290	1977.616	1966.923	1930.263	1926.190
56.0	1952.666	1943.501	1932.809	1895.639	1889.529
56.5	1918.043	1909.387	1896.658	1860.507	1852.869
57.0	1883.419	1875.782	1861.016	1825.374	1815.700
57.5	1849.305	1841.667	1829.957	1789.732	1778.530
58.0	1814.681	1807.553	1796.860	1754.090	1741.870
58.5	1780.058	1773.439	1762.746	1717.939	1704.192
59.0	1745.434	1738.815	1728.632	1681.279	1667.022
59.5	1710.811	1704.701	1694.517	1645.128	1630.362
60.0	1676.696	1670.077	1659.894	1608.468	1598.284
60.5	1642.073	1635.454	1626.289	1572.317	1558.060
61.0	1607.449	1600.830	1592.683	1536.166	1515.290
61.5	1572.826	1566.716	1558.060	1499.505	1476.593
62.0	1538.711	1531.583	1523.436	1462.845	1438.405
62.5	1503.579	1496.959	1488.813	1426.694	1399.708
63.0	1468.955	1462.845	1454.698	1390.034	1361.520
63.5	1433.822	1428.222	1421.093	1354.392	1322.823
64.0	1398.690	1394.107	1386.979	1318.241	1284.636
64.5	1364.066	1359.993	1352.355	1282.599	1246.448
65.0	1329.952	1325.878	1317.732	1246.448	1208.769
65.5	1295.837	1291.764	1284.126	1210.806	1171.600
66.0	1261.723	1257.650	1250.012	1175.164	1134.430
66.5	1227.609	1224.554	1215.898	1139.522	1097.261
67.0	1193.494	1190.948	1181.783	1100.825	1060.601
67.5	1159.889	1157.343	1147.669	1066.711	1024.450
68.0	1126.284	1123.738	1113.045	1032.597	988.299
68.5	1093.188	1090.642	1078.931	997.464	952.657
69.0	1060.092	1057.037	1044.307	961.822	917.015
69.5	1027.505	1024.450	1010.193	926.689	882.391
70.0	994.918	991.354	976.079	891.556	847.768
70.5	962.840	958.258	941.964	856.933	813.653
71.0	930.763	925.162	908.359	822.309	780.048
71.5	898.685	893.084	874.754	788.704	746.443
72.0	867.116	860.497	841.149	755.099	713.856
72.5	835.548	828.419	808.053	722.003	681.778
73.0	804.488	796.342	775.975	689.416	649.701
73.5	773.429	764.773	743.388	657.338	618.641
74.0	741.861	733.205	711.310	626.279	587.582
74.5	711.819	702.145	679.742	595.220	557.541
75.0	680.760	671.595	648.682	564.669	528.009
75.5	650.719	641.045	617.114	534.628	498.986
76.0	621.187	611.513	586.564	505.606	471.491
76.5	591.655	581.981	556.523	477.092	443.996
77.0	562.633	552.958	526.482	449.597	415.992
77.5	534.119	524.954	497.459	422.611	389.006
78.0	506.115	496.950	468.436	396.134	365.584
78.5	478.620	469.455	439.923	370.676	342.671
79.0	451.634	442.469	412.428	345.726	319.759
79.5	425.157	415.992	384.932	321.286	297.355
80.0	399.189	390.024	357.946	297.864	275.970
80.5	373.731	365.075	331.979	276.988	255.094
81.0	349.291	340.125	306.011	257.131	235.746
81.5	325.360	315.685	281.062	233.709	217.416
82.0	301.429	292.264	257.640	213.342	199.595
82.5	278.007	268.842	234.727	194.503	182.283

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CANDELA TABULATION - (Cont.)

83.0	255.094	245.929	212.833	176.682	165.989
83.5	233.200	224.035	191.448	159.879	150.714
84.0	211.305	202.650	171.081	144.095	136.458
84.5	189.920	181.264	152.242	128.820	122.710
85.0	169.044	160.898	134.421	115.072	109.472
85.5	148.168	141.040	117.618	101.325	96.233
86.0	128.311	122.201	102.343	88.086	82.995
86.5	107.944	103.361	87.068	75.357	71.793
87.0	88.596	85.541	72.811	65.174	62.628
87.5	70.265	69.247	60.082	56.009	54.481
88.0	53.463	53.972	49.899	46.334	45.825
88.5	38.188	40.734	39.715	39.206	38.697
89.0	23.931	29.532	32.078	34.114	34.114
89.5	14.257	20.876	25.968	29.532	29.532
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-ND-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-ND-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-ND-DIM-UNV.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1809.39	N.A.	15.40
0-30	3673.1	N.A.	31.30
0-40	5772.79	N.A.	49.20
0-60	9616.26	N.A.	82.00
0-80	11557.57	N.A.	98.60
0-90	11721.8	N.A.	100.00
10-90	11238.5	N.A.	95.90
20-40	3963.4	N.A.	33.80
20-50	6027.02	N.A.	51.40
40-70	5120.75	N.A.	43.70
60-80	1941.31	N.A.	16.60
70-80	664.04	N.A.	5.70
80-90	164.23	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	11721.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	483.30
10-20	1326.09
20-30	1863.71
30-40	2099.69
40-50	2063.62
50-60	1779.85
60-70	1277.28
70-80	664.04
80-90	164.23
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-ND-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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	34	29	39	33	29	39	33	29	27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L120-840-HA-ND-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	22.3	23.9	22.7	24.2	24.5	22.1	23.7	22.5	24.0	24.3
	3H	24.0	25.4	24.4	25.8	26.1	23.6	25.0	23.9	25.3	25.7
	4H	24.6	25.9	25.0	26.3	26.7	24.0	25.4	24.4	25.7	26.1
	6H	25.0	26.3	25.4	26.6	27.0	24.3	25.5	24.7	25.9	26.3
	8H	25.2	26.3	25.6	26.7	27.1	24.3	25.5	24.8	25.9	26.3
	12H	25.2	26.4	25.7	26.8	27.2	24.4	25.5	24.8	25.9	26.3

UGR Viewed Endwise

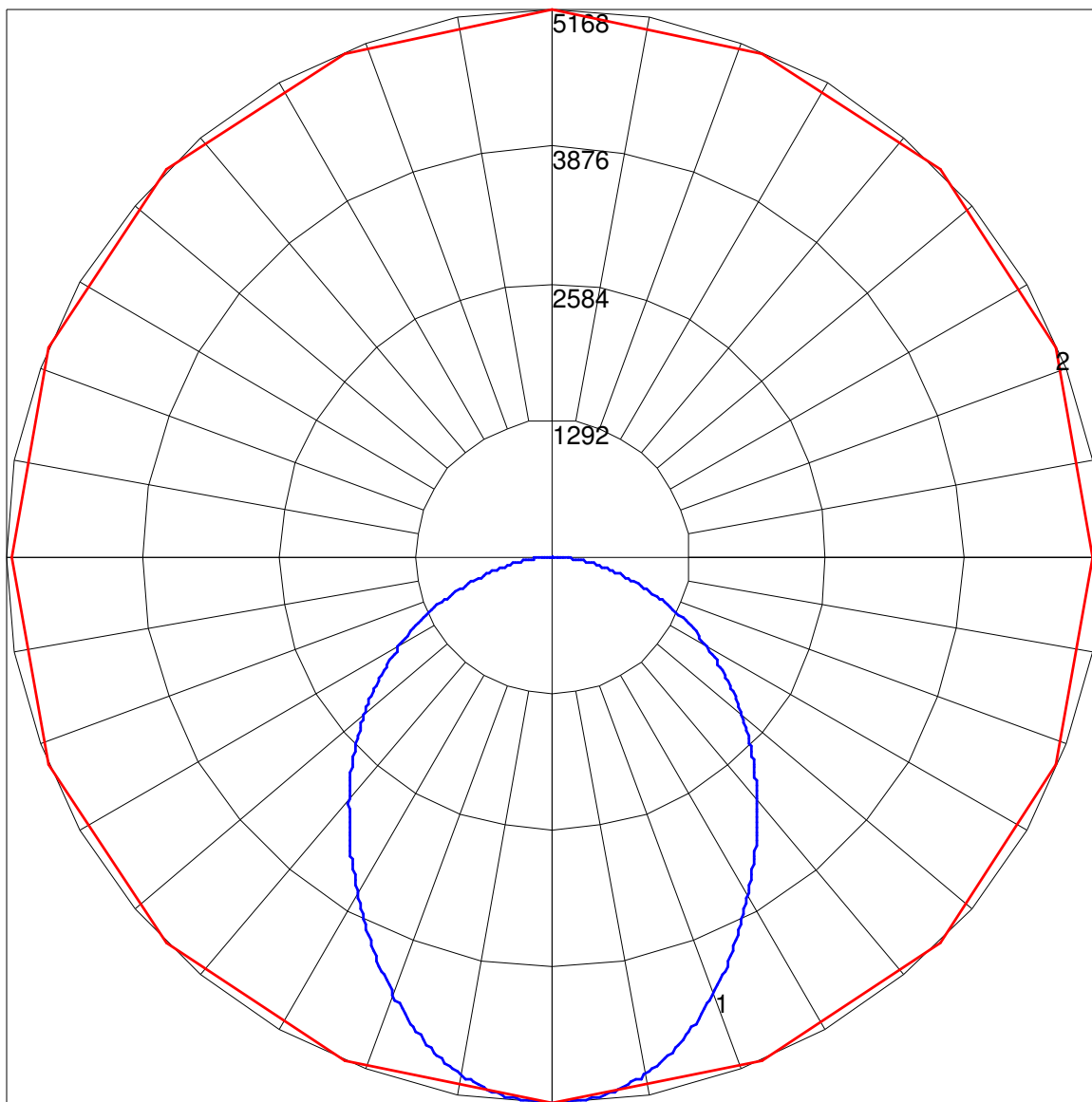
4H	2H	22.9	24.2	23.3	24.6	25.0	22.7	24.1	23.1	24.4	24.8
	3H	24.8	25.9	25.2	26.3	26.7	24.4	25.5	24.8	25.9	26.3
	4H	25.5	26.5	25.9	26.9	27.4	24.9	26.0	25.4	26.4	26.8
	6H	26.1	26.9	26.5	27.4	27.8	25.3	26.2	25.7	26.6	27.1
	8H	26.2	27.1	26.7	27.5	28.0	25.4	26.2	25.8	26.7	27.1
	12H	26.3	27.1	26.8	27.6	28.0	25.4	26.2	25.9	26.7	27.1

8H	4H	25.7	26.6	26.2	27.0	27.5	25.2	26.1	25.7	26.5	27.0
	6H	26.4	27.1	26.9	27.6	28.0	25.7	26.4	26.2	26.9	27.3
	8H	26.6	27.2	27.1	27.8	28.2	25.8	26.4	26.3	26.9	27.4
	12H	26.8	27.4	27.3	27.9	28.4	25.9	26.5	26.4	26.9	27.5

12H	4H	25.7	26.5	26.2	27.0	27.4	25.3	26.0	25.7	26.5	26.9
	6H	26.4	27.0	26.9	27.5	28.0	25.7	26.4	26.2	26.8	27.3
	8H	26.7	27.2	27.2	27.7	28.3	25.9	26.4	26.4	26.9	27.5

Maximum UGR = 28.4

POLAR GRAPH



Maximum Candela = 5168.074 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.)