



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L120-835-CA-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-L120-835-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	11844
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
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	23630	24362	24803
55	22618	23528	16924
65	20516	14349	4652
75	16795	4617	4676
85	7363	6329	5894

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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	4489.683	4489.683	4489.683	4489.683	4489.683
0.5	4434.220	4492.503	4502.373	4495.323	4504.253
1.0	4435.630	4492.973	4502.843	4495.323	4503.783
1.5	4437.510	4492.503	4503.313	4493.913	4502.373
2.0	4437.040	4493.443	4502.373	4494.383	4502.843
2.5	4436.100	4492.503	4502.843	4493.443	4501.433
3.0	4435.630	4490.623	4501.903	4493.913	4502.373
3.5	4434.220	4487.802	4501.433	4493.913	4502.373
4.0	4430.929	4486.392	4500.023	4495.793	4503.313
4.5	4426.699	4483.572	4498.143	4496.733	4504.253
5.0	4421.059	4480.282	4496.733	4495.793	4502.843
5.5	4416.829	4477.462	4494.853	4494.383	4500.963
6.0	4413.538	4474.642	4492.503	4491.093	4497.203
6.5	4408.838	4470.411	4490.153	4487.802	4492.033
7.0	4402.728	4465.711	4485.452	4483.102	4485.922
7.5	4397.558	4461.481	4481.222	4476.992	4479.342
8.0	4392.857	4456.311	4475.112	4470.411	4473.232
8.5	4390.507	4450.670	4469.471	4463.831	4468.531
9.0	4386.747	4444.560	4463.361	4457.251	4462.891
9.5	4381.577	4439.860	4458.191	4452.551	4458.661
10.0	4375.936	4435.630	4452.551	4446.910	4453.021
10.5	4370.766	4430.929	4445.970	4439.860	4446.440
11.0	4365.126	4426.229	4438.450	4431.869	4439.390
11.5	4360.426	4421.059	4430.929	4424.349	4428.579
12.0	4351.495	4414.478	4424.819	4414.478	4414.478
12.5	4341.625	4407.898	4416.359	4401.318	4403.198
13.0	4331.754	4400.378	4407.428	4388.157	4390.977
13.5	4321.413	4390.037	4398.498	4376.876	4377.346
14.0	4310.133	4380.167	4389.097	4364.186	4364.656
14.5	4295.092	4370.296	4377.816	4351.495	4353.845
15.0	4284.281	4360.426	4367.006	4338.804	4345.385
15.5	4278.171	4349.615	4354.315	4326.584	4336.924
16.0	4269.241	4337.394	4341.625	4315.773	4326.584
16.5	4259.840	4326.114	4326.584	4304.963	4317.183
17.0	4253.730	4314.363	4313.423	4294.152	4306.373
17.5	4243.859	4303.082	4299.322	4281.931	4296.032
18.0	4232.579	4289.922	4284.281	4270.651	4283.811
18.5	4220.358	4277.231	4271.121	4257.020	4267.831
19.0	4205.787	4265.010	4254.670	4242.919	4252.790
19.5	4189.806	4252.320	4239.159	4229.288	4240.569
20.0	4174.766	4239.629	4224.118	4214.718	4227.408
20.5	4160.195	4225.998	4210.487	4200.617	4214.248
21.0	4146.094	4211.427	4196.387	4187.456	4200.147
21.5	4129.643	4196.857	4181.816	4174.295	4184.636
22.0	4113.662	4182.286	4167.245	4160.195	4169.125
22.5	4100.031	4166.775	4151.734	4145.624	4155.024
23.0	4086.401	4150.794	4134.343	4128.703	4138.104
23.5	4072.770	4132.933	4117.422	4113.662	4123.063
24.0	4055.849	4116.952	4099.091	4098.621	4106.612
24.5	4041.278	4100.972	4080.290	4081.700	4091.101
25.0	4025.297	4081.230	4060.079	4066.190	4073.240
25.5	4006.966	4064.780	4042.218	4048.799	4056.319
26.0	3985.815	4048.329	4024.827	4031.408	4037.518
26.5	3962.784	4026.708	4007.907	4013.077	4019.187

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CANDELA TABULATION - (Cont.)

27.0	3941.633	4005.556	3989.576	3995.216	4000.856
27.5	3920.952	3983.465	3972.655	3977.355	3982.995
28.0	3901.211	3961.374	3954.324	3960.434	3965.134
28.5	3884.290	3939.283	3935.053	3942.103	3945.863
29.0	3865.489	3917.662	3915.312	3920.482	3927.062
29.5	3846.688	3896.040	3895.570	3900.741	3910.141
30.0	3827.887	3872.069	3874.419	3880.060	3890.400
30.5	3809.086	3849.978	3855.148	3858.908	3872.539
31.0	3788.875	3825.537	3835.877	3839.167	3852.798
31.5	3766.313	3801.565	3815.666	3818.956	3833.057
32.0	3742.812	3779.944	3794.515	3798.275	3812.376
32.5	3718.371	3756.913	3774.304	3779.944	3790.755
33.0	3692.989	3734.352	3755.973	3759.733	3771.014
33.5	3668.548	3710.380	3734.822	3739.052	3753.153
34.0	3643.637	3684.999	3711.791	3717.431	3732.472
34.5	3620.136	3660.088	3688.289	3695.810	3710.850
35.0	3598.514	3634.236	3662.438	3674.659	3687.819
35.5	3578.303	3608.385	3632.826	3652.567	3667.138
36.0	3553.862	3580.653	3608.855	3630.476	3645.517
36.5	3528.481	3552.922	3585.824	3607.445	3622.486
37.0	3499.339	3525.190	3560.442	3584.884	3599.924
37.5	3467.847	3497.929	3534.591	3562.322	3575.953
38.0	3437.766	3471.138	3511.560	3538.821	3551.042
38.5	3407.214	3443.876	3489.468	3514.380	3523.780
39.0	3380.423	3416.615	3463.617	3488.058	3498.399
39.5	3355.041	3387.473	3434.946	3460.327	3473.488
40.0	3328.720	3356.921	3406.274	3434.006	3447.636
40.5	3301.458	3326.370	3379.013	3407.214	3423.195
41.0	3276.077	3295.818	3351.281	3378.072	3398.284
41.5	3245.055	3264.796	3321.669	3351.281	3369.612
42.0	3210.743	3234.245	3291.588	3322.609	3340.470
42.5	3173.611	3203.223	3261.036	3293.938	3311.799
43.0	3137.419	3171.731	3231.895	3265.266	3284.067
43.5	3103.578	3138.360	3201.813	3236.125	3256.806
44.0	3073.496	3106.868	3174.551	3207.923	3231.425
44.5	3048.585	3075.846	3145.410	3182.542	3204.163
45.0	3022.733	3042.944	3116.268	3156.220	3172.671
45.5	2994.532	3010.983	3084.777	3124.729	3144.000
46.0	2961.160	2978.081	3049.525	3089.947	3112.978
46.5	2926.848	2943.769	3012.393	3061.275	3083.367
47.0	2890.656	2910.867	2980.901	3031.664	3054.695
47.5	2858.224	2879.376	2949.409	3000.642	3024.143
48.0	2828.613	2848.824	2916.038	2971.030	2992.652
48.5	2799.471	2821.092	2883.136	2941.889	2955.050
49.0	2768.450	2783.020	2852.114	2911.807	2907.107
49.5	2735.078	2742.598	2821.562	2881.726	2851.644
50.0	2693.245	2708.756	2789.601	2849.294	2784.900
50.5	2655.173	2679.145	2755.289	2814.512	2703.586
51.0	2619.452	2643.893	2720.977	2772.210	2610.051
51.5	2588.430	2609.581	2685.255	2720.507	2520.276
52.0	2558.818	2572.449	2651.413	2660.344	2447.892
52.5	2524.976	2536.727	2617.101	2582.319	2379.269
53.0	2485.964	2498.185	2581.849	2493.015	2276.333
53.5	2446.012	2462.463	2548.008	2399.950	2137.675
54.0	2408.880	2430.031	2512.286	2321.455	1979.277
54.5	2377.858	2394.309	2476.094	2253.772	1848.140

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55.0	2346.837	2352.477	2441.312	2169.167	1756.015
55.5	2307.355	2313.935	2405.590	2048.841	1685.981
56.0	2264.582	2282.913	2370.808	1898.903	1617.827
56.5	2228.860	2250.012	2335.556	1759.305	1532.753
57.0	2198.779	2213.350	2298.424	1660.600	1446.738
57.5	2164.937	2172.457	2257.532	1590.096	1375.294
58.0	2125.925	2132.505	2213.820	1532.753	1331.112
58.5	2082.212	2094.433	2160.237	1462.719	1303.380
59.0	2046.961	2057.301	2098.663	1366.834	1280.349
59.5	2012.649	2017.349	2028.630	1287.400	1247.917
60.0	1968.466	1975.517	1945.905	1240.397	1204.675
60.5	1926.164	1939.795	1871.641	1212.666	1149.682
61.0	1888.092	1900.783	1801.607	1189.164	1081.528
61.5	1854.720	1860.360	1720.293	1154.852	1009.615
62.0	1814.768	1817.588	1631.928	1110.670	937.701
62.5	1765.415	1774.346	1517.712	1052.857	842.285
63.0	1722.173	1737.214	1388.925	980.943	698.928
63.5	1687.861	1700.552	1284.579	911.379	583.302
64.0	1646.029	1657.780	1213.606	841.815	514.678
64.5	1606.077	1620.178	1159.553	738.410	451.741
65.0	1568.475	1581.635	1097.039	603.043	355.621
65.5	1518.652	1537.923	1018.545	509.508	308.149
66.0	1476.350	1497.501	952.741	452.399	297.526
66.5	1439.688	1460.839	913.259	368.265	292.638
67.0	1399.736	1419.947	882.238	308.619	288.361
67.5	1357.903	1379.525	849.806	287.045	284.130
68.0	1314.661	1342.863	807.974	281.122	280.182
68.5	1277.059	1299.620	748.750	276.422	276.328
69.0	1240.397	1260.608	681.067	272.051	272.474
69.5	1199.505	1220.656	623.254	267.961	268.526
70.0	1159.553	1183.524	543.819	264.060	264.624
70.5	1121.011	1141.222	441.918	260.065	260.864
71.0	1087.169	1097.039	376.255	256.352	257.104
71.5	1048.157	1050.977	326.715	252.639	252.874
72.0	1009.145	1002.094	270.030	248.455	248.784
72.5	970.602	939.581	242.016	244.460	244.413
73.0	934.410	874.247	234.731	240.418	239.666
73.5	898.219	818.314	229.889	236.094	234.872
74.0	862.027	759.091	225.142	231.441	229.607
74.5	826.305	694.228	220.677	226.411	224.390
75.0	786.352	611.503	216.165	221.288	218.938
75.5	749.690	553.690	211.840	216.024	213.251
76.0	713.029	511.388	207.657	210.571	207.469
76.5	674.016	465.137	203.145	204.978	201.500
77.0	635.004	416.066	198.633	199.244	195.578
77.5	595.522	384.105	193.791	193.462	189.467
78.0	551.340	345.140	188.762	187.493	183.357
78.5	514.678	296.351	183.357	181.242	177.059
79.0	482.246	258.702	177.905	175.131	170.901
79.5	448.592	204.226	172.311	169.021	164.603
80.0	414.609	175.554	166.530	162.723	158.164
80.5	380.580	148.716	160.749	156.236	151.818
81.0	346.033	139.598	154.732	149.797	146.084
81.5	311.956	133.910	148.434	143.452	140.585
82.0	281.263	127.988	141.854	137.012	133.252
82.5	253.861	122.019	135.273	130.620	126.766

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CANDELA TABULATION - (Cont.)

83.0	224.390	116.190	128.270	124.040	120.468
83.5	195.625	110.127	121.314	117.553	114.028
84.0	167.846	103.923	114.122	110.785	107.401
84.5	141.901	97.342	107.072	103.735	100.491
85.0	116.096	90.715	99.786	96.120	92.924
85.5	102.701	83.665	91.984	87.942	85.169
86.0	87.989	76.379	83.759	79.340	76.755
86.5	66.603	68.765	74.546	70.034	68.248
87.0	55.416	60.821	64.769	60.304	58.988
87.5	48.366	52.549	54.335	50.434	49.024
88.0	41.362	43.477	43.900	39.576	37.837
88.5	33.701	33.701	33.278	27.826	25.663
89.0	24.629	24.300	22.655	18.049	16.592
89.5	15.417	16.310	14.571	12.362	11.986
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-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-L120-835-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-L120-835-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1653.67	N.A.	14.00
0-30	3526.99	N.A.	29.80
0-40	5811.75	N.A.	49.10
0-60	10205.83	N.A.	86.20
0-80	11737.1	N.A.	99.10
0-90	11843.72	N.A.	100.00
10-90	11417.29	N.A.	96.40
20-40	4158.08	N.A.	35.10
20-50	6548.94	N.A.	55.30
40-70	5499.37	N.A.	46.40
60-80	1531.27	N.A.	12.90
70-80	425.99	N.A.	3.60
80-90	106.62	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	11843.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	426.43
10-20	1227.24
20-30	1873.32
30-40	2284.76
40-50	2390.85
50-60	2003.23
60-70	1105.28
70-80	425.99
80-90	106.62
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-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	56	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-L120-835-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

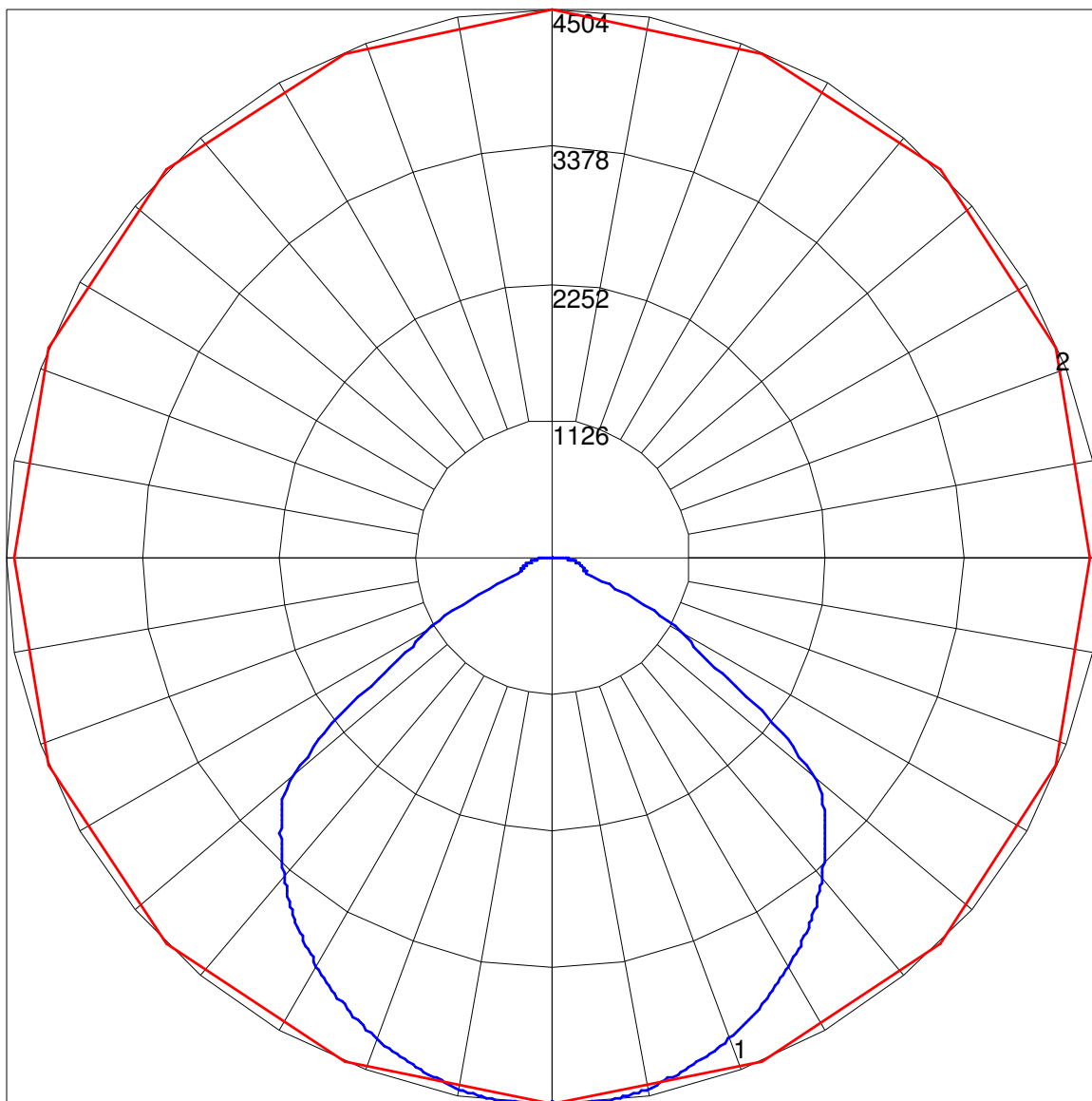
Reflectances

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	23.4	25.0	23.8	25.3	25.6	21.0	22.6	21.4	22.9	23.2
	3H	25.1	26.5	25.5	26.8	27.2	21.1	22.5	21.5	22.9	23.2
	4H	25.6	27.0	26.0	27.3	27.7	21.2	22.5	21.6	22.9	23.3
	6H	25.9	27.1	26.3	27.5	27.9	21.3	22.6	21.8	22.9	23.3
	8H	26.0	27.1	26.4	27.5	27.9	21.4	22.6	21.8	23.0	23.4
	12H	26.0	27.1	26.4	27.5	27.9	21.5	22.6	21.9	23.0	23.4
4H	2H	23.7	25.0	24.1	25.3	25.7	21.6	23.0	22.0	23.3	23.7
	3H	25.5	26.6	25.9	27.0	27.4	21.8	22.9	22.2	23.3	23.7
	4H	26.1	27.1	26.5	27.5	27.9	22.0	22.9	22.4	23.3	23.8
	6H	26.5	27.3	26.9	27.7	28.2	22.2	23.0	22.6	23.4	23.9
	8H	26.5	27.3	27.0	27.8	28.2	22.2	23.0	22.7	23.5	23.9
	12H	26.6	27.3	27.1	27.8	28.2	22.3	23.0	22.8	23.5	24.0
8H	4H	26.1	26.9	26.5	27.3	27.8	22.1	22.9	22.6	23.4	23.8
	6H	26.4	27.1	26.9	27.6	28.0	22.4	23.1	22.9	23.5	24.0
	8H	26.5	27.1	27.0	27.6	28.1	22.5	23.1	23.0	23.6	24.1
	12H	26.6	27.1	27.1	27.6	28.2	22.7	23.2	23.2	23.7	24.3
12H	4H	26.0	26.8	26.5	27.2	27.7	22.2	22.9	22.6	23.3	23.8
	6H	26.4	27.0	26.9	27.5	28.0	22.4	23.0	22.9	23.5	24.0
	8H	26.5	27.0	27.0	27.5	28.1	22.6	23.1	23.1	23.6	24.2

Maximum UGR = 28.2

POLAR GRAPH



Maximum Candela = 4504.253 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.)