



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GS-2-L120-835-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-L120-835-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	12317
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
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	24576	25336	25795
55	23522	24469	17601
65	21336	14923	4838
75	17467	4802	4863
85	7658	6582	6129

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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	4669.270	4669.270	4669.270	4669.270	4669.270
0.5	4611.588	4672.203	4682.468	4675.136	4684.423
1.0	4613.055	4672.692	4682.957	4675.136	4683.935
1.5	4615.010	4672.203	4683.446	4673.669	4682.468
2.0	4614.521	4673.180	4682.468	4674.158	4682.957
2.5	4613.544	4672.203	4682.957	4673.180	4681.490
3.0	4613.055	4670.247	4681.979	4673.669	4682.468
3.5	4611.588	4667.314	4681.490	4673.669	4682.468
4.0	4608.166	4665.848	4680.024	4675.624	4683.446
4.5	4603.767	4662.915	4678.069	4676.602	4684.423
5.0	4597.901	4659.493	4676.602	4675.624	4682.957
5.5	4593.502	4656.560	4674.647	4674.158	4681.002
6.0	4590.080	4653.627	4672.203	4670.736	4677.091
6.5	4585.192	4649.228	4669.759	4667.314	4671.714
7.0	4578.837	4644.340	4664.870	4662.426	4665.359
7.5	4573.460	4639.940	4660.471	4656.071	4658.516
8.0	4568.571	4634.563	4654.116	4649.228	4652.161
8.5	4566.127	4628.697	4648.250	4642.384	4647.273
9.0	4562.217	4622.342	4641.895	4635.541	4641.407
9.5	4556.840	4617.454	4636.518	4630.652	4637.007
10.0	4550.974	4613.055	4630.652	4624.787	4631.141
10.5	4545.597	4608.166	4623.809	4617.454	4624.298
11.0	4539.731	4603.278	4615.988	4609.144	4616.965
11.5	4534.842	4597.901	4608.166	4601.323	4605.722
12.0	4525.555	4591.057	4601.812	4591.057	4591.057
12.5	4515.289	4584.214	4593.013	4577.370	4579.326
13.0	4505.024	4576.393	4583.725	4563.683	4566.616
13.5	4494.270	4565.639	4574.437	4551.951	4552.440
14.0	4482.538	4555.373	4564.661	4538.753	4539.242
14.5	4466.896	4545.108	4552.929	4525.555	4527.999
15.0	4455.653	4534.842	4541.686	4512.356	4519.200
15.5	4449.298	4523.599	4528.488	4499.647	4510.401
16.0	4440.010	4510.890	4515.289	4488.404	4499.647
16.5	4430.234	4499.158	4499.647	4477.161	4489.870
17.0	4423.879	4486.937	4485.960	4465.918	4478.627
17.5	4413.614	4475.206	4471.295	4453.208	4467.873
18.0	4401.882	4461.518	4455.653	4441.477	4455.164
18.5	4389.172	4448.320	4441.965	4427.301	4438.544
19.0	4374.019	4435.611	4424.857	4412.636	4422.901
19.5	4357.398	4422.412	4408.725	4398.460	4410.192
20.0	4341.756	4409.214	4393.083	4383.306	4396.505
20.5	4326.602	4395.038	4378.907	4368.641	4382.817
21.0	4311.938	4379.884	4364.242	4354.954	4368.153
21.5	4294.829	4364.731	4349.088	4341.267	4352.021
22.0	4278.209	4349.577	4333.935	4326.602	4335.890
22.5	4264.033	4333.446	4317.804	4311.449	4321.225
23.0	4249.857	4316.826	4299.717	4293.851	4303.628
23.5	4235.681	4298.250	4282.119	4278.209	4287.985
24.0	4218.083	4281.630	4263.055	4262.566	4270.876
24.5	4202.929	4265.010	4243.502	4244.968	4254.745
25.0	4186.309	4244.480	4222.482	4228.837	4236.170
25.5	4167.245	4227.371	4203.907	4210.751	4218.572
26.0	4145.248	4210.262	4185.820	4192.664	4199.019
26.5	4121.295	4187.776	4168.223	4173.600	4179.954

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CANDELA TABULATION - (Cont.)

27.0	4099.298	4165.779	4149.158	4155.024	4160.890
27.5	4077.790	4142.804	4131.561	4136.449	4142.315
28.0	4057.259	4119.829	4112.496	4118.851	4123.739
28.5	4039.661	4096.854	4092.455	4099.787	4103.698
29.0	4020.108	4074.368	4071.924	4077.301	4084.145
29.5	4000.555	4051.882	4051.393	4056.770	4066.547
30.0	3981.002	4026.952	4029.396	4035.262	4046.016
30.5	3961.449	4003.977	4009.354	4013.265	4027.441
31.0	3940.430	3978.558	3989.312	3992.734	4006.910
31.5	3916.966	3953.628	3968.293	3971.714	3986.379
32.0	3892.525	3931.142	3946.295	3950.206	3964.871
32.5	3867.106	3907.189	3925.276	3931.142	3942.385
33.0	3840.709	3883.726	3906.212	3910.122	3921.854
33.5	3815.290	3858.796	3884.215	3888.614	3903.279
34.0	3789.382	3832.399	3860.262	3866.128	3881.770
34.5	3764.941	3806.491	3835.821	3843.642	3859.284
35.0	3742.455	3779.606	3808.935	3821.645	3835.332
35.5	3721.435	3752.720	3778.139	3798.670	3813.824
36.0	3696.016	3723.879	3753.209	3775.695	3791.338
36.5	3669.620	3695.039	3729.257	3751.743	3767.385
37.0	3639.313	3666.198	3702.860	3728.279	3743.921
37.5	3606.561	3637.846	3675.974	3704.815	3718.991
38.0	3575.276	3609.983	3652.022	3680.374	3693.083
38.5	3543.503	3581.631	3629.047	3654.955	3664.731
39.0	3515.639	3553.279	3602.162	3627.581	3638.335
39.5	3489.243	3522.972	3572.343	3598.740	3612.427
40.0	3461.869	3491.198	3542.525	3571.366	3585.542
40.5	3433.517	3459.424	3514.173	3543.503	3560.123
41.0	3407.120	3427.651	3485.332	3513.195	3534.215
41.5	3374.857	3395.388	3454.536	3485.332	3504.396
42.0	3339.173	3363.614	3423.251	3455.514	3474.089
42.5	3300.556	3331.352	3391.478	3425.695	3444.271
43.0	3262.916	3298.601	3361.170	3395.877	3415.430
43.5	3227.721	3263.894	3329.885	3365.570	3387.078
44.0	3196.436	3231.142	3301.533	3336.240	3360.681
44.5	3170.528	3198.880	3271.226	3309.844	3332.330
45.0	3143.643	3164.662	3240.919	3282.469	3299.578
45.5	3114.313	3131.422	3208.168	3249.718	3269.760
46.0	3079.606	3097.204	3171.506	3213.545	3237.497
46.5	3043.922	3061.520	3132.888	3183.726	3206.701
47.0	3006.282	3027.302	3100.137	3152.930	3176.883
47.5	2972.553	2994.550	3067.386	3120.668	3145.109
48.0	2941.757	2962.777	3032.679	3089.872	3112.358
48.5	2911.450	2933.936	2998.461	3059.564	3073.252
49.0	2879.187	2894.341	2966.199	3028.280	3023.391
49.5	2844.481	2852.302	2934.425	2996.995	2965.710
50.0	2800.975	2817.107	2901.185	2963.266	2896.296
50.5	2761.380	2786.310	2865.500	2927.092	2811.729
51.0	2724.229	2749.648	2829.816	2883.098	2714.453
51.5	2691.967	2713.964	2792.665	2829.327	2621.087
52.0	2661.171	2675.347	2757.470	2766.757	2545.808
52.5	2625.975	2638.196	2721.785	2685.612	2474.439
53.0	2585.403	2598.112	2685.123	2592.735	2367.386
53.5	2543.853	2560.961	2649.928	2495.948	2223.182
54.0	2505.235	2527.232	2612.777	2414.314	2058.448
54.5	2472.973	2490.082	2575.137	2343.923	1922.065

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CANDELA TABULATION - (Cont.)

55.0	2440.710	2446.576	2538.964	2255.934	1826.255
55.5	2399.649	2406.492	2501.813	2130.794	1753.420
56.0	2355.166	2374.230	2465.640	1974.859	1682.540
56.5	2318.015	2340.012	2428.978	1829.677	1594.063
57.0	2286.730	2301.883	2390.361	1727.024	1504.608
57.5	2251.534	2259.356	2347.833	1653.700	1430.306
58.0	2210.962	2217.805	2302.372	1594.063	1384.356
58.5	2165.501	2178.210	2246.646	1521.228	1355.516
59.0	2128.839	2139.593	2182.610	1421.507	1331.563
59.5	2093.155	2098.043	2109.775	1338.895	1297.834
60.0	2047.205	2054.537	2023.741	1290.013	1252.862
60.5	2003.211	2017.387	1946.507	1261.172	1195.669
61.0	1963.616	1976.814	1873.672	1236.731	1124.790
61.5	1928.909	1934.775	1789.105	1201.046	1049.999
62.0	1887.359	1890.292	1697.205	1155.097	975.209
62.5	1836.032	1845.320	1578.420	1094.971	875.977
63.0	1791.060	1806.702	1444.482	1020.181	726.885
63.5	1755.376	1768.574	1335.963	947.834	606.634
64.0	1711.870	1724.091	1262.150	875.488	535.265
64.5	1670.320	1684.985	1205.935	767.946	469.811
65.0	1631.214	1644.901	1140.921	627.164	369.846
65.5	1579.398	1599.440	1059.287	529.888	320.475
66.0	1535.404	1557.401	990.851	470.495	309.427
66.5	1497.275	1519.272	949.790	382.995	304.343
67.0	1455.725	1476.745	917.527	320.963	299.895
67.5	1412.219	1434.705	883.798	298.526	295.496
68.0	1367.247	1396.577	840.293	292.367	291.389
68.5	1328.141	1351.605	778.700	287.479	287.381
69.0	1290.013	1311.032	708.309	282.933	283.373
69.5	1247.485	1269.482	648.184	278.680	279.267
70.0	1205.935	1230.865	565.572	274.623	275.209
70.5	1165.851	1186.870	459.595	270.468	271.299
71.0	1130.655	1140.921	391.306	266.606	267.388
71.5	1090.083	1093.016	339.783	262.744	262.989
72.0	1049.510	1042.178	280.831	258.394	258.736
72.5	1009.427	977.164	251.697	254.239	254.190
73.0	971.787	909.217	244.120	250.035	249.253
73.5	934.147	851.047	239.085	245.537	244.267
74.0	896.508	789.455	234.148	240.698	238.792
74.5	859.357	721.997	229.504	235.468	233.366
75.0	817.807	635.963	224.811	230.139	227.695
75.5	779.678	575.837	220.314	224.665	221.781
76.0	741.550	531.843	215.964	218.994	215.768
76.5	700.977	483.743	211.271	213.177	209.560
77.0	660.404	432.709	206.578	207.214	203.401
77.5	619.343	399.469	201.543	201.201	197.046
78.0	573.393	358.945	196.313	194.993	190.691
78.5	535.265	308.205	190.691	188.491	184.141
79.0	501.536	269.050	185.021	182.137	177.737
79.5	466.536	212.395	179.204	175.782	171.187
80.0	431.194	182.577	173.191	169.232	164.490
80.5	395.803	154.665	167.179	162.486	157.891
81.0	359.874	145.181	160.922	155.789	151.927
81.5	324.434	139.267	154.371	149.190	146.208
82.0	292.514	133.107	147.528	142.493	138.582
82.5	264.015	126.899	140.684	135.845	131.836

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CANDELA TABULATION - (Cont.)

83.0	233.366	120.838	133.401	129.001	125.286
83.5	203.450	114.532	126.166	122.255	118.589
84.0	174.560	108.080	118.687	115.216	111.697
84.5	147.577	101.236	111.355	107.884	104.511
85.0	120.740	94.343	103.778	99.965	96.641
85.5	106.809	87.011	95.663	91.459	88.575
86.0	91.508	79.434	87.109	82.514	79.825
86.5	69.267	71.515	77.528	72.835	70.978
87.0	57.633	63.254	67.360	62.716	61.348
87.5	50.300	54.651	56.508	52.451	50.985
88.0	43.017	45.216	45.656	41.159	39.351
88.5	35.049	35.049	34.609	28.939	26.690
89.0	25.615	25.272	23.561	18.771	17.256
89.5	16.034	16.962	15.154	12.856	12.465
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-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-L120-835-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-L120-835-HA-HE-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1719.81	N.A.	14.00
0-30	3668.06	N.A.	29.80
0-40	6044.22	N.A.	49.10
0-60	10614.07	N.A.	86.20
0-80	12206.59	N.A.	99.10
0-90	12317.47	N.A.	100.00
10-90	11873.98	N.A.	96.40
20-40	4324.41	N.A.	35.10
20-50	6810.89	N.A.	55.30
40-70	5719.34	N.A.	46.40
60-80	1592.52	N.A.	12.90
70-80	443.03	N.A.	3.60
80-90	110.88	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	12317.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	443.49
10-20	1276.33
20-30	1948.25
30-40	2376.15
40-50	2486.49
50-60	2083.36
60-70	1149.49
70-80	443.03
80-90	110.88
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-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-L120-835-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	23.5	25.1	23.9	25.4	25.7	21.1	22.7	21.5	23.0	23.3
	3H	25.2	26.6	25.6	26.9	27.3	21.2	22.6	21.6	23.0	23.3
	4H	25.7	27.1	26.1	27.4	27.8	21.3	22.6	21.7	23.0	23.4
	6H	26.0	27.2	26.4	27.6	28.0	21.4	22.7	21.9	23.0	23.4
	8H	26.1	27.2	26.5	27.6	28.0	21.5	22.7	21.9	23.1	23.5
	12H	26.1	27.2	26.5	27.6	28.0	21.6	22.7	22.0	23.1	23.5

UGR Viewed Endwise

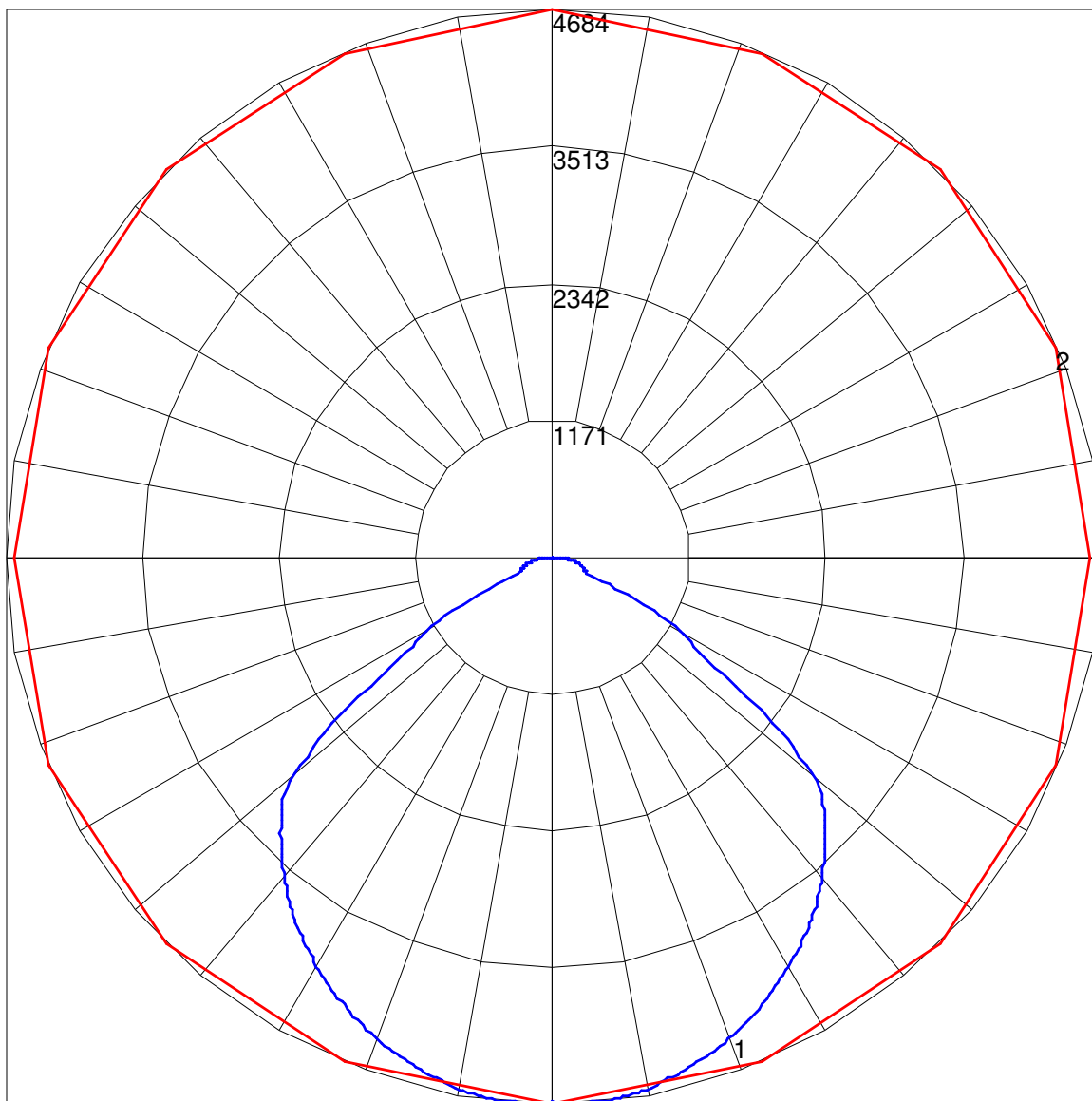
4H	2H	23.8	25.1	24.2	25.4	25.8	21.7	23.1	22.1	23.4	23.8
	3H	25.6	26.7	26.0	27.1	27.5	21.9	23.0	22.3	23.4	23.8
	4H	26.2	27.2	26.6	27.6	28.0	22.1	23.0	22.5	23.4	23.9
	6H	26.6	27.4	27.0	27.8	28.3	22.3	23.1	22.7	23.5	24.0
	8H	26.6	27.4	27.1	27.9	28.3	22.3	23.1	22.8	23.6	24.0
	12H	26.7	27.4	27.2	27.9	28.3	22.4	23.1	22.9	23.6	24.1

8H	4H	26.2	27.0	26.6	27.4	27.9	22.2	23.0	22.7	23.5	23.9
	6H	26.5	27.2	27.0	27.7	28.1	22.5	23.2	23.0	23.6	24.1
	8H	26.6	27.2	27.1	27.7	28.2	22.6	23.2	23.1	23.7	24.2
	12H	26.7	27.2	27.2	27.7	28.3	22.8	23.3	23.3	23.8	24.4

12H	4H	26.1	26.9	26.6	27.3	27.8	22.3	23.0	22.7	23.4	23.9
	6H	26.5	27.1	27.0	27.6	28.1	22.5	23.1	23.0	23.6	24.1
	8H	26.6	27.1	27.1	27.6	28.2	22.7	23.2	23.2	23.7	24.3

Maximum UGR = 28.3

POLAR GRAPH



Maximum Candela = 4684.423 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.)