



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GS-2-L120-940-MD-DIM-UNV.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] GEN FROM 14629546.02  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUE DATE] 17 AUG 2023  
 [TEST DATE] 17 AUG 2023  
 [MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO  
 [LUMCAT] GS-2-L120-940-MD-DIM-UNV  
 [LUMINAIRE] White aluminum housing, prismatic lense enclosure  
 [LAMP] 448 White LEDs  
 [BALLAST] 0-10v LED driver

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9627
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
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	18304	17785	15552
55	13822	12962	10951
65	10739	9711	9037
75	10342	8447	9097
85	9246	6271	6968

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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	4352.285	4352.285	4352.285	4352.285	4352.285
0.5	4314.255	4348.059	4360.736	4352.285	4356.510
1.0	4314.255	4348.059	4360.736	4348.059	4356.510
1.5	4314.255	4348.059	4360.736	4348.059	4356.510
2.0	4310.029	4348.059	4356.510	4343.834	4352.285
2.5	4310.029	4343.834	4356.510	4343.834	4348.059
3.0	4305.804	4339.608	4352.285	4339.608	4343.834
3.5	4305.804	4339.608	4348.059	4335.382	4343.834
4.0	4301.578	4335.382	4343.834	4331.157	4339.608
4.5	4297.353	4331.157	4339.608	4326.931	4335.382
5.0	4297.353	4326.931	4339.608	4326.931	4331.157
5.5	4293.127	4322.706	4335.382	4322.706	4326.931
6.0	4288.902	4318.480	4331.157	4318.480	4322.706
6.5	4284.676	4318.480	4326.931	4314.255	4318.480
7.0	4280.451	4310.029	4322.706	4310.029	4314.255
7.5	4272.000	4305.804	4318.480	4305.804	4310.029
8.0	4267.774	4301.578	4314.255	4301.578	4305.804
8.5	4263.549	4297.353	4310.029	4297.353	4297.353
9.0	4255.098	4288.902	4301.578	4293.127	4293.127
9.5	4250.872	4284.676	4297.353	4284.676	4288.902
10.0	4242.421	4280.451	4293.127	4280.451	4280.451
10.5	4233.970	4272.000	4284.676	4272.000	4276.225
11.0	4229.745	4263.549	4276.225	4263.549	4267.774
11.5	4221.716	4255.098	4267.774	4255.098	4259.323
12.0	4214.110	4246.647	4259.323	4246.647	4250.872
12.5	4206.082	4238.196	4250.872	4238.196	4242.421
13.0	4197.208	4229.745	4242.421	4229.745	4233.970
13.5	4187.067	4218.336	4233.970	4219.181	4225.519
14.0	4176.926	4208.194	4220.871	4209.462	4215.800
14.5	4165.939	4197.631	4209.885	4199.321	4206.504
15.0	4154.530	4187.489	4198.898	4188.334	4196.785
15.5	4142.276	4176.080	4187.067	4177.348	4187.067
16.0	4130.022	4164.249	4174.390	4166.362	4176.080
16.5	4117.346	4151.995	4162.136	4154.953	4164.672
17.0	4104.247	4138.896	4149.037	4142.699	4152.418
17.5	4090.302	4124.952	4136.361	4130.445	4139.741
18.0	4075.936	4111.007	4123.684	4117.346	4126.642
18.5	4062.414	4096.641	4110.162	4103.824	4111.853
19.0	4048.047	4082.274	4096.641	4089.880	4097.908
19.5	4034.103	4067.062	4082.696	4075.513	4083.119
20.0	4019.314	4051.428	4066.639	4061.569	4069.175
20.5	4003.257	4034.526	4049.315	4047.625	4053.540
21.0	3986.777	4016.356	4030.300	4032.835	4038.329
21.5	3969.875	3998.186	4014.243	4016.778	4022.272
22.0	3952.128	3980.016	3997.341	4000.721	4006.215
22.5	3933.113	3960.579	3978.326	3983.397	3988.890
23.0	3913.676	3941.142	3958.466	3965.227	3970.298
23.5	3893.393	3921.282	3938.606	3946.212	3951.705
24.0	3871.843	3900.154	3917.479	3926.352	3932.691
24.5	3850.715	3878.604	3896.774	3905.647	3913.253
25.0	3828.743	3857.054	3876.069	3884.097	3892.971
25.5	3805.502	3833.813	3854.096	3861.702	3872.266
26.0	3782.685	3811.418	3832.123	3838.461	3849.870
26.5	3759.444	3787.333	3808.883	3815.221	3827.053

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**CANDELA TABULATION - (Cont.)**

27.0	3734.936	3763.670	3785.220	3790.713	3803.390
27.5	3710.006	3739.162	3760.712	3765.783	3778.882
28.0	3683.807	3713.809	3735.359	3739.584	3753.106
28.5	3657.609	3687.610	3708.738	3712.964	3726.063
29.0	3628.031	3660.567	3681.695	3685.075	3697.752
29.5	3599.720	3632.679	3653.806	3656.342	3668.173
30.0	3570.564	3603.945	3624.650	3626.340	3637.327
30.5	3540.140	3574.789	3594.226	3594.649	3604.368
31.0	3508.871	3544.788	3563.380	3560.000	3569.718
31.5	3477.180	3514.364	3530.844	3523.660	3532.956
32.0	3445.488	3483.940	3498.730	3490.279	3499.997
32.5	3412.107	3450.981	3464.926	3454.362	3463.658
33.0	3379.570	3418.022	3430.276	3415.064	3412.529
33.5	3345.343	3383.373	3393.937	3375.345	3365.626
34.0	3310.694	3347.456	3357.175	3333.089	3317.878
34.5	3276.467	3311.117	3319.145	3288.299	3268.439
35.0	3239.705	3274.355	3279.848	3242.241	3216.465
35.5	3202.943	3236.748	3238.860	3194.070	3161.533
36.0	3164.491	3197.450	3196.605	3143.786	3105.334
36.5	3125.194	3156.885	3152.237	3090.967	3047.022
37.0	3085.051	3115.475	3107.024	3037.303	2987.864
37.5	3044.064	3073.220	3060.543	2981.104	2927.440
38.0	3001.386	3030.542	3013.640	2924.904	2865.324
38.5	2957.863	2986.597	2965.047	2867.015	2803.209
39.0	2913.495	2942.229	2915.608	2807.857	2739.404
39.5	2867.860	2897.438	2864.902	2748.278	2676.021
40.0	2821.802	2851.803	2813.351	2688.275	2612.216
40.5	2774.476	2805.745	2760.532	2627.428	2547.565
41.0	2726.727	2758.841	2707.713	2567.003	2479.112
41.5	2679.402	2711.093	2654.048	2505.733	2408.968
42.0	2631.231	2662.922	2599.117	2445.730	2350.656
42.5	2583.060	2614.329	2545.030	2389.954	2292.344
43.0	2534.466	2565.313	2490.943	2329.529	2231.074
43.5	2485.873	2515.451	2436.857	2265.301	2168.959
44.0	2437.279	2465.590	2382.348	2207.411	2107.689
44.5	2389.108	2414.884	2327.838	2149.099	2048.532
45.0	2341.360	2363.755	2275.019	2092.054	1989.374
45.5	2292.767	2313.472	2221.355	2035.855	1931.485
46.0	2244.173	2263.188	2168.536	1980.923	1875.708
46.5	2196.847	2212.482	2116.985	1927.682	1821.621
47.0	2149.099	2162.621	2065.011	1875.285	1768.802
47.5	2101.351	2113.182	2014.305	1823.734	1718.096
48.0	2054.447	2063.743	1964.021	1773.873	1669.080
48.5	2007.544	2015.573	1914.160	1725.279	1621.332
49.0	1960.641	1967.824	1865.567	1677.108	1575.696
49.5	1913.315	1920.076	1817.818	1631.050	1531.751
50.0	1866.834	1873.173	1770.492	1585.837	1489.495
50.5	1821.199	1826.692	1723.589	1541.469	1448.085
51.0	1775.986	1781.056	1678.376	1499.214	1408.365
51.5	1730.350	1736.266	1633.163	1455.269	1370.758
52.0	1686.405	1691.898	1589.640	1415.549	1333.574
52.5	1642.037	1648.375	1548.230	1377.942	1298.079
53.0	1598.514	1605.275	1508.510	1340.757	1263.853
53.5	1555.836	1562.597	1464.987	1304.418	1230.471
54.0	1514.426	1520.764	1422.732	1268.923	1198.357
54.5	1473.861	1479.777	1383.012	1234.697	1167.088

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**CANDELA TABULATION - (Cont.)**

55.0	1434.141	1439.212	1344.983	1201.315	1136.242
55.5	1394.421	1399.069	1307.376	1168.779	1106.663
56.0	1356.814	1360.195	1270.614	1137.087	1077.930
56.5	1319.630	1321.742	1234.697	1106.663	1050.041
57.0	1282.868	1284.135	1199.625	1076.662	1022.576
57.5	1247.796	1247.373	1165.398	1047.506	995.955
58.0	1213.992	1211.879	1132.017	1019.195	970.179
58.5	1180.610	1176.807	1099.057	991.729	945.249
59.0	1148.074	1143.003	1066.944	964.686	921.163
59.5	1115.960	1109.621	1035.675	938.488	897.500
60.0	1085.536	1077.085	1005.251	913.557	875.105
60.5	1055.535	1046.239	975.672	888.627	853.555
61.0	1026.379	1015.815	946.516	864.964	832.005
61.5	997.645	986.236	918.205	841.723	811.722
62.0	970.179	957.925	890.739	819.751	792.285
62.5	943.558	930.459	864.119	798.201	773.693
63.0	917.360	904.684	837.920	777.073	755.945
63.5	890.739	880.176	812.990	756.790	738.621
64.0	860.316	852.287	788.904	737.353	722.141
64.5	840.878	828.624	765.241	718.761	706.084
65.0	821.018	805.806	742.424	700.591	690.872
65.5	798.623	783.411	720.451	683.266	676.083
66.0	777.918	758.903	699.323	665.942	661.716
66.5	757.213	737.353	678.618	649.462	647.772
67.0	737.776	716.648	658.336	633.405	634.250
67.5	718.761	696.366	639.321	617.771	620.729
68.0	700.591	676.928	620.729	602.559	607.630
68.5	682.844	657.913	602.559	587.770	594.531
69.0	665.942	639.321	584.812	572.980	581.854
69.5	649.885	621.151	567.910	558.614	569.177
70.0	633.828	603.404	551.008	544.669	556.923
70.5	618.193	586.079	534.951	530.303	544.247
71.0	602.982	569.177	518.471	516.358	531.993
71.5	587.770	552.275	502.837	502.414	519.316
72.0	573.403	535.373	487.202	488.470	506.640
72.5	558.614	518.894	470.300	474.103	493.541
73.0	544.247	502.414	455.088	460.159	480.442
73.5	530.303	485.935	440.722	445.370	467.342
74.0	516.358	469.455	425.510	431.003	453.821
74.5	499.456	452.976	409.875	416.214	439.877
75.0	484.244	436.496	395.509	401.424	425.932
75.5	468.610	420.439	381.142	386.212	411.143
76.0	452.553	403.960	363.817	371.423	396.776
76.5	436.496	387.480	348.183	356.211	381.564
77.0	420.017	371.423	332.548	340.999	366.352
77.5	403.537	354.944	316.914	325.788	350.718
78.0	386.212	338.887	301.702	310.153	334.661
78.5	368.465	322.407	286.068	294.941	318.604
79.0	351.141	306.350	270.856	279.729	302.125
79.5	333.816	289.871	254.799	264.095	285.645
80.0	316.069	273.814	239.587	248.883	269.166
80.5	298.322	257.757	224.375	233.671	252.263
81.0	280.574	241.700	209.163	218.459	235.784
81.5	263.250	226.065	193.951	203.670	218.882
82.0	245.925	210.853	179.162	188.881	202.402
82.5	228.601	195.219	164.373	174.514	186.345

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**CANDELA TABULATION - (Cont.)**

83.0	211.699	178.739	150.428	160.147	170.288
83.5	194.796	165.218	136.907	146.203	155.077
84.0	178.317	152.119	123.385	132.259	139.442
84.5	161.837	137.329	110.709	119.160	124.653
85.0	145.780	124.230	98.877	106.061	109.863
85.5	130.146	111.554	87.046	93.807	96.342
86.0	114.089	98.455	76.059	81.975	82.398
86.5	98.877	85.778	65.918	69.299	70.144
87.0	83.665	73.101	55.777	57.467	57.890
87.5	68.876	60.425	46.058	46.481	46.481
88.0	54.087	49.016	37.185	36.339	36.339
88.5	39.720	38.875	29.156	27.888	26.621
89.0	27.888	30.001	22.395	20.705	19.437
89.5	19.015	22.395	16.057	14.789	14.789
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-L120-940-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-L120-940-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-L120-940-MD-DIM-UNV.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1593.13	N.A.	16.50
0-30	3372.71	N.A.	35.00
0-40	5392.76	N.A.	56.00
0-60	8297.93	N.A.	86.20
0-80	9495.19	N.A.	98.60
0-90	9626.98	N.A.	100.00
10-90	9215.5	N.A.	95.70
20-40	3799.62	N.A.	39.50
20-50	5516.53	N.A.	57.30
40-70	3658.79	N.A.	38.00
60-80	1197.26	N.A.	12.40
70-80	443.65	N.A.	4.60
80-90	131.79	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	9626.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	411.48
10-20	1181.66
20-30	1779.58
30-40	2020.04
40-50	1716.91
50-60	1188.27
60-70	753.61
70-80	443.65
80-90	131.79
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-L120-940-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-L120-940-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	20.4	21.9	20.7	22.2	22.5	19.1	20.6	19.5	20.9	21.2
	3H	21.8	23.1	22.2	23.5	23.8	20.7	22.0	21.0	22.3	22.7
	4H	22.4	23.7	22.8	24.0	24.4	21.4	22.6	21.8	23.0	23.4
	6H	23.0	24.2	23.4	24.5	24.9	22.0	23.1	22.4	23.5	23.9
	8H	23.2	24.3	23.6	24.7	25.1	22.1	23.2	22.6	23.6	24.0
	12H	23.3	24.4	23.8	24.8	25.2	22.3	23.3	22.7	23.7	24.1

UGR Viewed Endwise

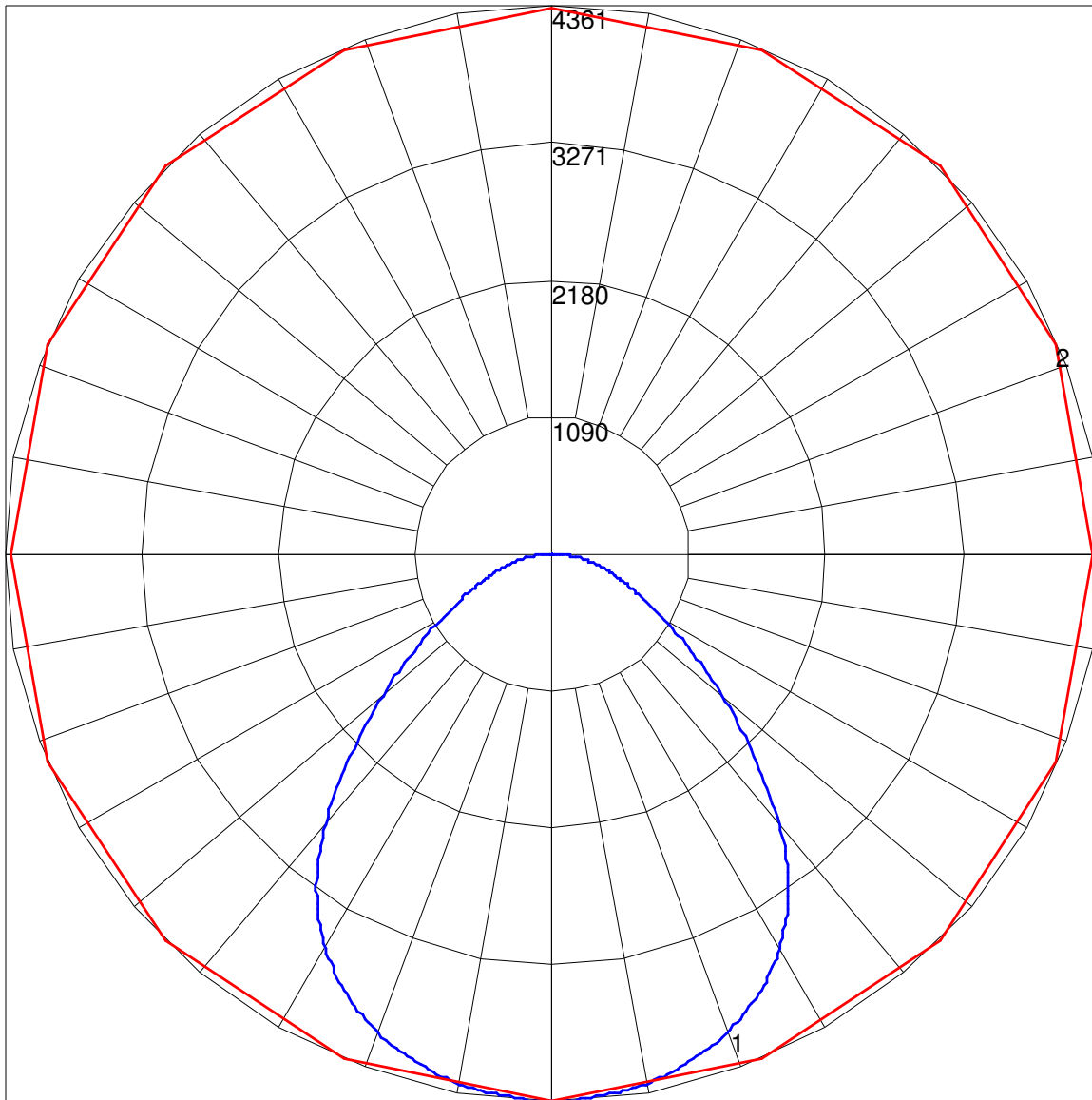
4H	2H	20.7	22.0	21.1	22.3	22.7	19.7	20.9	20.1	21.3	21.7
	3H	22.4	23.4	22.8	23.8	24.2	21.5	22.5	21.9	22.9	23.3
	4H	23.2	24.1	23.6	24.5	25.0	22.3	23.2	22.7	23.7	24.1
	6H	23.9	24.7	24.3	25.1	25.6	23.0	23.8	23.5	24.3	24.7
	8H	24.1	24.9	24.6	25.3	25.8	23.2	24.0	23.7	24.5	24.9
	12H	24.3	25.0	24.8	25.5	26.0	23.4	24.1	23.9	24.6	25.0

8H	4H	23.4	24.2	23.8	24.6	25.1	22.6	23.4	23.1	23.8	24.3
	6H	24.2	24.8	24.7	25.3	25.8	23.4	24.1	23.9	24.5	25.0
	8H	24.5	25.1	25.0	25.6	26.1	23.7	24.3	24.2	24.8	25.3
	12H	24.8	25.3	25.3	25.8	26.4	23.9	24.5	24.5	25.0	25.5

12H	4H	23.4	24.1	23.9	24.6	25.0	22.6	23.3	23.1	23.8	24.3
	6H	24.2	24.8	24.8	25.3	25.8	23.5	24.1	24.0	24.5	25.1
	8H	24.6	25.1	25.1	25.6	26.2	23.8	24.3	24.3	24.8	25.4

Maximum UGR = 26.4

POLAR GRAPH



Maximum Candela = 4360.736 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.)