

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L240-840-CA-EM20W-DIM-UNV_ (EMER MODE ONLY).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 14728072.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 11/14/2025

[TEST DATE] 3/22/2023

[MANUFAC] H E Williams Inc

[LUMCAT] GS-2-L240-840-CA-EM20W-DIM-UNV (EMER MODE ONLY)

[LUMINAIRE] LED highbay with smooth, clear acrylic sheilding

[LAMP] 224 per board white LEDS

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2890
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.67 ft
Luminous Width (90-270)	1.24 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5569	5585	5680
55	5292	5374	4024
65	4592	3013	1212
75	3017	987	1059
85	802	850	900

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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	1100.117	1100.117	1100.117	1100.117	1100.117
0.5	1110.744	1098.923	1098.206	1099.878	1098.326
1.0	1110.744	1098.445	1097.848	1100.236	1098.565
1.5	1111.222	1098.923	1097.848	1100.117	1099.162
2.0	1110.744	1098.326	1098.206	1100.117	1098.565
2.5	1110.386	1098.206	1097.729	1100.117	1098.684
3.0	1110.267	1097.490	1097.968	1099.759	1099.401
3.5	1109.550	1097.490	1097.490	1099.520	1098.445
4.0	1109.431	1097.132	1097.490	1099.639	1098.326
4.5	1109.192	1096.535	1097.012	1099.162	1097.729
5.0	1107.998	1095.699	1096.654	1098.684	1097.371
5.5	1107.998	1095.460	1096.415	1097.848	1097.251
6.0	1107.043	1094.982	1095.579	1097.729	1096.176
6.5	1105.849	1094.266	1095.102	1096.774	1095.460
7.0	1105.252	1093.549	1094.147	1095.938	1094.863
7.5	1104.416	1092.714	1093.430	1094.863	1094.027
8.0	1103.102	1091.758	1092.117	1093.788	1093.311
8.5	1102.266	1090.684	1090.922	1092.952	1092.355
9.0	1100.833	1089.490	1089.131	1091.639	1091.400
9.5	1099.878	1088.534	1088.176	1090.325	1088.893
10.0	1097.729	1086.863	1087.101	1088.893	1087.221
10.5	1096.176	1085.907	1085.310	1087.101	1085.310
11.0	1095.102	1084.355	1084.474	1085.430	1082.922
11.5	1093.191	1082.444	1082.922	1083.280	1080.892
12.0	1091.878	1081.012	1081.250	1080.892	1077.668
12.5	1089.490	1079.340	1078.982	1078.504	1075.519
13.0	1088.057	1077.429	1077.429	1075.280	1073.250
13.5	1086.624	1075.638	1075.638	1072.892	1070.981
14.0	1083.997	1073.966	1073.608	1070.504	1068.354
14.5	1082.086	1072.056	1070.981	1067.757	1066.324
15.0	1080.295	1069.906	1068.712	1065.727	1064.055
15.5	1077.310	1067.996	1066.085	1063.339	1060.951
16.0	1074.922	1065.847	1063.339	1061.428	1059.040
16.5	1072.892	1063.339	1060.234	1058.921	1057.249
17.0	1070.862	1061.309	1057.607	1056.413	1054.503
17.5	1067.996	1058.801	1054.622	1054.622	1052.114
18.0	1065.727	1056.771	1051.637	1052.234	1050.323
18.5	1063.578	1054.264	1048.771	1049.726	1047.935
19.0	1060.712	1051.756	1045.905	1046.741	1045.069
19.5	1057.966	1048.890	1042.323	1044.233	1042.442
20.0	1055.458	1045.786	1039.457	1041.726	1039.815
20.5	1051.876	1042.801	1036.711	1038.860	1037.188
21.0	1048.771	1040.054	1033.128	1036.114	1033.725
21.5	1046.025	1036.830	1030.143	1033.128	1030.860
22.0	1042.920	1033.606	1026.800	1029.904	1027.874
22.5	1039.338	1030.143	1023.098	1026.442	1023.934
23.0	1035.875	1026.800	1020.113	1023.098	1020.949
23.5	1032.054	1022.740	1016.769	1019.516	1017.963
24.0	1027.636	1018.799	1012.829	1015.934	1014.262
24.5	1023.695	1014.859	1008.888	1011.874	1010.560
25.0	1019.516	1010.082	1005.067	1007.933	1006.261
25.5	1015.336	1005.903	1000.291	1003.276	1002.201
26.0	1010.321	1001.485	996.470	998.739	999.336
26.5	1006.142	997.067	992.052	994.798	995.156

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GS-2-L240-840-CA-EM20W-DIM-UNV_ (EMER MODE ONLY).IES****CANDELA TABULATION - (Cont.)**

27.0	1001.246	991.932	987.395	990.261	989.783
27.5	996.470	986.917	982.977	985.723	985.962
28.0	992.290	982.021	978.320	981.305	981.663
28.5	987.156	976.648	973.663	976.887	976.409
29.0	981.544	971.394	969.006	971.872	972.110
29.5	976.409	965.901	964.349	967.215	967.692
30.0	971.155	960.169	959.572	962.438	962.319
30.5	965.065	954.915	954.438	957.901	957.662
31.0	958.736	948.826	949.423	953.124	952.288
31.5	952.885	942.974	944.169	947.990	947.154
32.0	946.676	937.243	938.915	942.736	941.780
32.5	941.542	931.272	933.661	937.362	936.765
33.0	934.974	924.944	927.810	931.750	931.272
33.5	929.123	918.734	922.078	926.018	924.824
34.0	923.511	912.286	915.988	920.526	919.570
34.5	917.063	905.599	910.018	914.794	914.197
35.0	911.212	899.748	903.689	908.823	908.107
35.5	904.047	892.823	897.480	902.734	901.898
36.0	896.883	885.777	891.031	896.285	895.450
36.5	889.002	878.494	884.225	889.718	889.360
37.0	881.121	871.090	877.299	883.031	882.792
37.5	873.001	863.448	870.254	876.105	875.986
38.0	865.358	855.925	863.090	869.299	869.538
38.5	857.836	848.283	855.925	862.254	862.493
39.0	850.671	840.521	848.641	855.328	855.686
39.5	843.148	832.999	841.238	848.402	848.880
40.0	835.506	825.356	833.954	841.238	841.596
40.5	827.625	817.356	826.551	834.312	834.670
41.0	819.267	809.594	819.267	827.267	827.386
41.5	810.669	801.713	812.102	820.222	820.102
42.0	802.191	793.713	804.579	813.296	813.296
42.5	793.832	785.713	797.295	806.132	806.251
43.0	785.951	778.070	789.772	799.086	799.445
43.5	778.667	770.428	782.130	792.161	792.399
44.0	771.622	762.667	774.488	784.996	785.593
44.5	764.338	755.024	766.846	778.070	778.906
45.0	756.935	747.502	759.084	770.906	771.981
45.5	748.935	739.859	751.323	763.861	765.174
46.0	740.456	731.978	743.800	756.696	758.248
46.5	732.217	724.097	736.158	749.651	750.726
47.0	724.097	716.097	728.516	742.486	744.039
47.5	716.336	707.977	720.993	735.083	736.516
48.0	708.932	699.977	713.351	727.799	729.113
48.5	701.051	691.976	705.589	720.276	721.829
49.0	692.215	683.618	697.350	712.634	713.828
49.5	683.259	675.378	688.991	705.111	706.067
50.0	674.184	666.900	680.632	697.469	696.753
50.5	665.109	657.945	671.916	689.588	683.737
51.0	656.273	649.108	663.199	681.588	661.766
51.5	648.153	640.392	654.721	672.990	627.973
52.0	639.675	631.675	646.123	664.154	592.508
52.5	630.003	622.838	637.765	653.049	557.880
53.0	620.211	613.763	629.287	636.570	528.863
53.5	610.659	604.449	620.450	609.942	506.534
54.0	601.464	595.016	611.136	574.955	489.220
54.5	592.747	585.463	601.822	539.730	471.786

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55.0	583.433	575.911	592.508	508.803	443.605
55.5	573.761	566.477	583.314	483.368	411.245
56.0	563.492	557.283	573.881	464.144	381.632
56.5	553.223	547.491	564.447	448.143	356.795
57.0	543.551	537.580	554.775	425.694	343.540
57.5	533.759	527.669	544.864	393.692	335.540
58.0	523.371	517.758	534.953	363.004	329.808
58.5	512.743	507.728	524.445	337.212	324.196
59.0	502.116	497.459	513.937	321.091	317.987
59.5	492.085	487.190	502.235	312.255	312.374
60.0	481.816	476.682	487.190	306.046	306.762
60.5	471.189	466.293	464.382	300.195	299.359
61.0	460.681	456.024	434.172	294.224	287.060
61.5	449.934	445.635	403.484	288.134	270.462
62.0	438.948	435.008	376.497	281.806	245.505
62.5	428.321	424.261	354.765	274.761	212.548
63.0	417.216	413.753	338.167	262.342	182.815
63.5	406.230	403.006	321.211	245.267	163.710
64.0	395.244	392.259	295.060	217.683	144.485
64.5	384.498	381.871	267.477	187.234	118.884
65.0	373.034	371.004	244.789	162.516	98.429
65.5	361.571	359.899	230.937	144.007	88.960
66.0	350.466	349.033	222.937	123.469	85.879
66.5	338.645	338.047	216.369	99.277	84.183
67.0	327.420	326.942	209.683	84.924	82.416
67.5	316.076	316.076	202.996	80.231	80.780
68.0	304.613	305.568	196.189	78.368	79.001
68.5	293.388	294.463	188.786	76.613	77.365
69.0	281.567	283.119	176.248	74.834	75.682
69.5	270.342	272.014	153.918	73.019	73.986
70.0	259.237	261.029	129.081	71.287	72.278
70.5	247.655	250.282	112.089	69.544	70.451
71.0	236.430	239.296	94.560	67.765	68.648
71.5	224.967	228.430	75.598	65.986	66.809
72.0	214.220	217.205	62.558	64.123	64.911
72.5	202.996	203.951	58.582	62.284	63.072
73.0	191.771	188.069	56.540	60.385	61.042
73.5	181.263	170.636	54.666	58.487	59.000
74.0	170.875	152.486	52.779	56.540	56.970
74.5	160.128	134.932	50.940	54.606	54.737
75.0	150.097	120.723	49.125	52.552	52.707
75.5	139.948	106.155	47.322	50.510	50.498
76.0	130.037	92.232	45.483	48.408	48.397
76.5	120.842	82.655	43.668	46.331	46.223
77.0	111.230	76.410	41.817	44.217	44.122
77.5	102.393	70.881	39.978	42.187	42.092
78.0	93.378	64.374	38.139	40.110	39.930
78.5	85.461	56.564	36.241	38.092	37.877
79.0	77.461	45.698	34.414	36.074	35.906
79.5	69.938	36.754	32.539	34.044	33.841
80.0	62.475	29.602	30.688	32.121	31.918
80.5	55.979	25.458	28.790	30.163	29.972
81.0	49.567	23.619	26.998	28.276	28.025
81.5	43.513	21.935	25.207	26.401	26.222
82.0	38.127	20.383	23.452	24.610	24.431
82.5	32.814	18.879	21.732	22.855	22.724

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GS-2-L240-840-CA-EM20W-DIM-UNV_ (EMER MODE ONLY).IES****CANDELA TABULATION - (Cont.)**

83.0	28.025	17.422	20.097	21.183	21.064
83.5	23.571	16.013	18.556	19.535	19.452
84.0	19.882	14.640	17.040	17.995	17.864
84.5	16.335	13.338	15.607	16.502	16.407
85.0	13.434	12.180	14.234	15.129	15.081
85.5	10.878	11.021	12.956	13.792	13.768
86.0	8.884	9.971	11.762	12.586	12.610
86.5	7.344	8.980	10.651	11.475	11.583
87.0	6.173	8.084	9.636	10.436	10.604
87.5	5.290	7.129	8.633	9.553	9.720
88.0	4.609	6.245	7.750	8.609	8.681
88.5	3.893	5.206	6.579	7.009	6.556
89.0	2.854	3.714	4.549	4.132	3.761
89.5	2.185	2.340	1.887	1.815	1.791
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-L240-840-CA-EM20W-DIM-UNV_ (EMER MODE ONLY).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-L240-840-CA-EM20W-DIM-UNV_ (EMER MODE ONLY).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-L240-840-CA-EM20W-DIM-UNV_ (EMER MODE ONLY).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	406.67	N.A.	14.10
0-30	871.56	N.A.	30.20
0-40	1437.02	N.A.	49.70
0-60	2514.53	N.A.	87.00
0-80	2873.08	N.A.	99.40
0-90	2889.97	N.A.	100.00
10-90	2785.4	N.A.	96.40
20-40	1030.35	N.A.	35.70
20-50	1617.16	N.A.	56.00
40-70	1345.38	N.A.	46.60
60-80	358.55	N.A.	12.40
70-80	90.68	N.A.	3.10
80-90	16.88	N.A.	0.60
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	2889.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.57
10-20	302.11
20-30	464.89
30-40	565.46
40-50	586.82
50-60	490.69
60-70	267.88
70-80	90.68
80-90	16.88
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-L240-840-CA-EM20W-DIM-UNV_ (EMER MODE ONLY).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	100	97	94	96	93	91	92	90	89	87
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	42
7	67	54	46	40	65	53	45	40	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L240-840-CA-EM20W-DIM-UNV_ (EMER MODE ONLY).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	18.3	19.9	18.7	20.2	20.5	UGR Viewed Endwise			
	3H	19.8	21.2	20.2	21.5	21.9	15.9	17.5	16.3	17.8
	4H	20.2	21.5	20.6	21.8	22.2	16.1	17.5	16.5	17.8
	6H	20.3	21.5	20.7	21.9	22.3	16.2	17.5	16.6	17.8
	8H	20.3	21.5	20.7	21.8	22.2	16.3	17.5	16.7	17.8
	12H	20.3	21.4	20.7	21.8	22.2	16.3	17.4	16.7	17.8

4H	2H	18.5	19.8	18.9	20.1	20.5	16.5	17.8	16.9	18.1	18.5
	3H	20.2	21.2	20.6	21.6	22.0	16.7	17.8	17.1	18.2	18.6
	4H	20.6	21.6	21.0	22.0	22.4	16.8	17.8	17.3	18.2	18.6
	6H	20.8	21.6	21.2	22.0	22.5	17.0	17.8	17.4	18.2	18.7
	8H	20.7	21.5	21.2	22.0	22.4	17.0	17.8	17.4	18.2	18.7
	12H	20.7	21.4	21.2	21.9	22.4	17.0	17.7	17.5	18.2	18.7

8H	4H	20.5	21.3	21.0	21.8	22.2	16.9	17.7	17.4	18.2	18.6
	6H	20.7	21.3	21.2	21.8	22.3	17.1	17.8	17.6	18.3	18.7
	8H	20.7	21.3	21.2	21.8	22.3	17.2	17.8	17.7	18.3	18.8
	12H	20.7	21.2	21.2	21.7	22.3	17.2	17.8	17.8	18.3	18.8

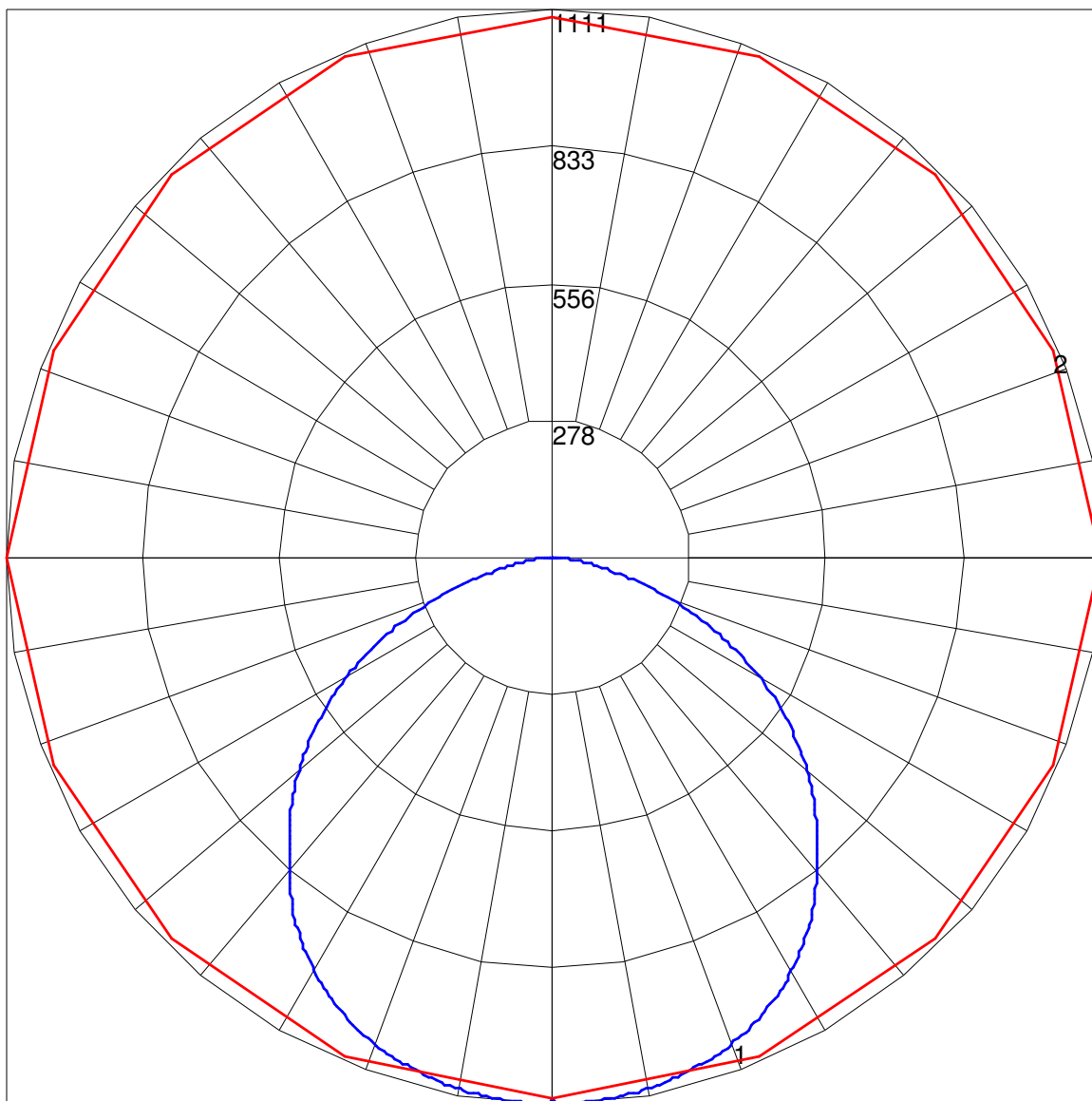
12H	4H	20.5	21.2	21.0	21.7	22.1	16.9	17.6	17.4	18.1	18.6
	6H	20.7	21.2	21.2	21.7	22.3	17.1	17.7	17.6	18.2	18.7
	8H	20.7	21.2	21.2	21.7	22.3	17.2	17.7	17.7	18.2	18.8

Maximum UGR = 22.5

IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L240-840-CA-EM20W-DIM-UNV_ (EMER MODE ONLY).IES

POLAR GRAPH



Maximum Candela = 1111.222 Located At Horizontal Angle = 0, Vertical Angle = 1.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)