

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L33-840-CA-DIM-UNV (A ONLY).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155668.03

[TESTLAB] UL, LLC

[ISSUE DATE] 2026-08-07

[TEST DATE] 3/17/2026

[MANUFAC] H E Williams Inc

[LUMCAT] CMR2xG-L33-840-CA-DIM-UNV (A ONLY)

[LUMINAIRE] 2' x 2' multi-function recessed troffer with door frame; door

[MORE] frame has arrangement of curved diffused acrylic lenses

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

[MORE] of absolute photometry.

[OTHER] The reported results were measured in a facility that meets the

[MORE] requirements of ANSI/IES LM-75-19. The device under test emits no

[MORE] detectable uplight as defined by ANSI/IES LM-75-19.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3408
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	25.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.75 ft
Luminous Width (90-270)	1.75 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3478	4024	4575
55	3223	4051	4773
65	2808	3957	4607
75	2037	3210	3510
85	797	816	595

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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	1136.232	1136.232	1136.232	1136.232	1136.232
0.5	1135.806	1135.381	1136.657	1138.785	1130.700
1.0	1140.062	1133.678	1137.508	1136.232	1135.806
1.5	1136.657	1131.976	1136.657	1135.381	1131.976
2.0	1135.806	1130.700	1132.827	1140.062	1135.381
2.5	1136.232	1129.849	1132.827	1138.360	1129.423
3.0	1134.955	1131.976	1134.530	1135.806	1132.827
3.5	1136.232	1132.402	1130.274	1135.806	1134.530
4.0	1130.700	1128.572	1134.104	1134.530	1132.827
4.5	1131.551	1128.997	1129.423	1133.678	1128.146
5.0	1131.976	1129.849	1130.700	1130.274	1132.827
5.5	1132.402	1127.295	1129.849	1136.232	1132.402
6.0	1129.423	1127.721	1127.295	1132.402	1131.125
6.5	1125.167	1124.742	1129.423	1133.253	1130.700
7.0	1127.295	1124.316	1127.721	1133.253	1124.742
7.5	1123.891	1121.763	1124.316	1129.849	1126.444
8.0	1123.040	1119.210	1125.593	1129.423	1126.019
8.5	1116.656	1118.359	1123.040	1125.593	1125.167
9.0	1118.784	1117.507	1123.040	1126.019	1125.593
9.5	1118.784	1115.380	1118.784	1127.721	1123.465
10.0	1113.677	1114.103	1117.082	1122.614	1126.019
10.5	1107.720	1111.975	1117.507	1121.337	1120.486
11.0	1099.209	1106.443	1112.401	1120.486	1124.316
11.5	1105.166	1105.592	1109.847	1120.061	1118.784
12.0	1103.464	1102.613	1108.996	1119.635	1117.082
12.5	1102.187	1099.209	1108.996	1116.656	1114.103
13.0	1092.400	1096.655	1104.315	1116.656	1117.082
13.5	1091.123	1094.102	1104.315	1111.550	1120.486
14.0	1088.570	1093.676	1102.613	1108.996	1117.507
14.5	1087.719	1089.421	1097.081	1110.273	1110.699
15.0	1081.335	1083.889	1095.379	1107.294	1111.124
15.5	1081.761	1078.356	1091.974	1105.166	1103.039
16.0	1074.101	1075.377	1091.549	1104.315	1112.401
16.5	1073.675	1072.399	1087.719	1103.039	1105.592
17.0	1068.994	1068.994	1085.165	1098.357	1106.869
17.5	1063.887	1064.739	1081.335	1096.230	1103.039
18.0	1055.376	1060.057	1078.782	1096.230	1099.634
18.5	1056.227	1060.057	1076.654	1092.400	1092.825
19.0	1049.419	1050.270	1069.845	1091.549	1093.676
19.5	1046.440	1048.993	1068.994	1088.995	1091.123
20.0	1037.929	1045.589	1063.462	1087.293	1086.442
20.5	1039.205	1039.631	1062.611	1084.740	1086.442
21.0	1023.034	1034.950	1056.653	1084.740	1086.442
21.5	1023.460	1031.971	1054.100	1078.782	1082.612
22.0	1022.183	1026.439	1048.993	1075.803	1083.463
22.5	1016.225	1021.332	1045.589	1073.675	1075.803
23.0	1007.714	1017.502	1046.014	1072.824	1079.633
23.5	1006.012	1012.821	1038.780	1068.994	1077.931
24.0	1000.054	1006.863	1036.652	1064.313	1074.526
24.5	990.692	1002.182	1031.971	1062.185	1068.569
25.0	986.436	996.650	1027.715	1056.653	1066.441
25.5	981.755	991.543	1023.034	1056.227	1063.462
26.0	975.372	986.011	1018.353	1053.674	1063.462
26.5	968.563	980.479	1012.821	1048.567	1058.355

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CANDELA TABULATION - (Cont.)

27.0	964.733	975.798	1012.821	1045.163	1055.376
27.5	957.499	968.989	1004.735	1043.461	1057.930
28.0	948.988	962.605	996.650	1040.482	1048.142
28.5	945.583	957.499	996.224	1036.652	1046.440
29.0	938.774	952.818	988.990	1034.524	1048.142
29.5	933.242	946.434	986.011	1027.290	1040.482
30.0	926.433	939.200	981.755	1027.290	1042.184
30.5	918.773	935.370	978.351	1022.609	1040.056
31.0	914.518	927.710	973.244	1019.204	1032.396
31.5	906.007	922.178	966.010	1015.800	1032.396
32.0	901.325	916.220	960.903	1011.970	1030.269
32.5	891.963	909.837	955.797	1009.842	1027.290
33.0	887.708	903.028	953.243	1004.735	1021.758
33.5	879.622	896.219	945.158	997.926	1017.076
34.0	871.962	889.410	941.753	999.203	1014.949
34.5	865.153	883.027	935.795	991.969	1011.970
35.0	857.493	876.218	931.114	989.841	1010.693
35.5	851.110	868.132	925.582	983.883	1003.884
36.0	843.450	862.600	920.475	980.053	1003.033
36.5	835.790	855.791	914.943	976.223	996.224
37.0	828.556	849.408	908.560	970.265	992.394
37.5	820.044	841.748	903.028	968.138	993.671
38.0	810.682	835.364	898.347	961.329	986.011
38.5	806.001	827.704	891.963	959.201	983.032
39.0	797.064	821.321	885.580	952.818	978.776
39.5	788.553	812.384	880.048	949.839	974.946
40.0	781.319	806.427	874.090	944.732	970.691
40.5	773.233	798.341	867.281	938.349	967.286
41.0	765.999	791.958	861.749	933.668	959.201
41.5	757.488	784.723	855.791	928.987	953.669
42.0	748.551	777.063	848.982	921.752	948.988
42.5	740.891	768.978	842.173	916.645	943.455
43.0	732.380	762.169	836.641	911.964	941.753
43.5	724.720	753.658	828.981	906.007	937.072
44.0	716.635	746.423	823.023	899.623	930.689
44.5	708.549	738.763	817.066	895.368	927.284
45.0	700.464	731.103	810.257	888.984	921.327
45.5	691.952	722.592	803.873	884.729	913.667
46.0	682.590	715.358	796.639	878.346	909.411
46.5	674.079	706.847	790.256	871.111	903.453
47.0	667.696	698.761	783.447	865.153	897.070
47.5	657.482	690.250	776.212	859.196	891.963
48.0	650.248	682.590	768.552	852.387	884.303
48.5	641.737	674.930	761.318	844.727	877.069
49.0	633.226	666.845	755.360	840.046	870.686
49.5	622.587	658.334	747.700	831.534	866.004
50.0	615.353	651.099	740.891	825.151	858.344
50.5	605.990	642.162	732.806	818.768	851.110
51.0	597.054	633.651	725.146	810.257	843.024
51.5	587.691	625.566	717.486	801.746	835.790
52.0	579.606	616.629	709.400	796.639	828.130
52.5	571.095	608.118	701.740	788.979	820.470
53.0	560.881	599.607	694.080	778.766	812.384
53.5	552.370	591.521	686.420	772.382	806.001
54.0	543.434	583.010	678.335	763.446	796.213
54.5	533.646	574.499	669.398	755.360	788.128

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CANDELA TABULATION - (Cont.)

55.0	526.412	565.137	661.738	745.572	779.617
55.5	517.475	556.626	652.801	737.487	770.680
56.0	508.538	548.115	644.716	729.401	762.169
56.5	499.176	540.029	635.779	720.039	753.658
57.0	489.814	531.518	627.268	711.102	743.445
57.5	480.877	523.007	618.757	701.315	732.806
58.0	471.515	514.496	609.395	691.952	721.741
58.5	461.727	505.559	600.884	683.016	711.528
59.0	452.791	496.623	592.373	672.802	701.315
59.5	443.428	487.260	583.436	663.015	691.101
60.0	434.066	478.324	573.648	652.801	679.611
60.5	424.704	468.962	564.286	641.737	668.547
61.0	415.129	459.599	554.924	630.247	657.057
61.5	405.639	450.663	544.710	619.608	645.567
62.0	396.107	441.301	535.774	608.544	632.375
62.5	386.446	431.513	526.837	596.628	619.183
63.0	376.999	422.491	517.475	585.564	606.841
63.5	367.211	412.916	507.687	573.223	594.926
64.0	357.424	403.426	497.048	560.881	581.308
64.5	347.551	393.809	486.835	548.540	568.116
65.0	337.933	384.234	476.196	535.774	554.498
65.5	328.103	374.786	465.983	524.709	540.029
66.0	318.273	365.169	454.918	511.943	528.114
66.5	308.357	355.679	444.279	498.325	514.070
67.0	298.527	345.934	433.215	485.133	499.602
67.5	288.994	336.316	421.725	470.664	485.558
68.0	279.122	326.613	409.937	457.046	471.089
68.5	269.249	316.868	398.447	443.428	456.195
69.0	259.546	307.251	386.489	428.959	440.875
69.5	249.971	297.463	374.957	415.044	425.215
70.0	240.609	287.888	362.913	400.405	410.320
70.5	231.204	278.100	350.615	385.553	395.255
71.0	221.629	268.398	338.316	371.084	380.361
71.5	212.522	258.695	325.635	356.913	365.296
72.0	203.117	248.992	313.208	342.529	350.062
72.5	194.011	239.375	300.442	327.933	334.869
73.0	185.159	229.885	287.760	313.294	319.464
73.5	176.222	220.225	274.994	298.442	304.229
74.0	167.413	210.650	262.270	283.547	289.207
74.5	158.860	201.202	249.333	269.164	274.057
75.0	150.136	191.670	236.609	254.865	258.737
75.5	141.582	182.265	223.884	240.481	243.375
76.0	133.156	172.903	211.373	225.927	227.672
76.5	124.858	163.583	198.819	211.288	211.926
77.0	116.943	154.349	186.436	196.564	196.521
77.5	108.985	145.284	174.137	182.138	181.499
78.0	101.325	136.092	162.051	167.839	166.179
78.5	93.707	126.943	150.008	153.668	150.774
79.0	86.260	117.921	138.178	139.454	134.816
79.5	79.153	109.027	126.603	125.071	119.368
80.0	72.344	100.261	115.240	110.772	104.389
80.5	65.706	91.665	103.963	96.771	90.047
81.0	59.365	83.196	92.941	83.366	76.259
81.5	53.237	74.940	82.132	70.600	63.450
82.0	47.492	66.982	71.621	58.599	51.577
82.5	42.045	59.407	61.365	47.662	41.619

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CANDELA TABULATION - (Cont.)

83.0	36.938	52.045	51.535	38.257	33.278
83.5	32.172	45.151	42.258	30.512	26.853
84.0	27.746	38.683	33.789	24.427	21.874
84.5	23.576	32.555	26.342	19.746	17.873
85.0	19.788	26.895	20.256	15.916	14.767
85.5	16.341	21.618	15.448	12.937	12.256
86.0	13.235	16.895	11.788	10.554	10.213
86.5	10.554	12.682	9.064	8.681	8.554
87.0	8.171	9.192	7.022	7.149	7.064
87.5	6.128	6.426	5.575	5.788	5.830
88.0	4.511	4.468	4.341	4.639	4.681
88.5	3.192	3.107	3.362	3.617	3.702
89.0	2.213	2.170	2.511	2.724	2.809
89.5	1.489	1.532	1.830	1.958	1.915
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 : CMR2XG-L33-840-CA-DIM-UNV (A 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 : CMR2XG-L33-840-CA-DIM-UNV (A 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 : CMR2XG-L33-840-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	417.01	N.A.	12.20
0-30	890.83	N.A.	26.10
0-40	1474.43	N.A.	43.30
0-60	2685.4	N.A.	78.80
0-80	3373.75	N.A.	99.00
0-90	3408.14	N.A.	100.00
10-90	3300.56	N.A.	96.80
20-40	1057.42	N.A.	31.00
20-50	1682.3	N.A.	49.40
40-70	1664.9	N.A.	48.90
60-80	688.35	N.A.	20.20
70-80	234.42	N.A.	6.90
80-90	34.39	N.A.	1.00
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	3408.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	107.58
10-20	309.43
20-30	473.83
30-40	583.59
40-50	624.88
50-60	586.09
60-70	453.93
70-80	234.42
80-90	34.39
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 : CMR2XG-L33-840-CA-DIM-UNV (A 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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L33-840-CA-DIM-UNV (A 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	16.1	17.8	16.5	18.1	18.4	18.3	20.0	18.7	20.3	20.6
	3H	17.7	19.2	18.0	19.5	19.8	20.2	21.7	20.6	22.0	22.4
	4H	18.2	19.6	18.5	19.9	20.3	20.8	22.2	21.2	22.5	22.9
	6H	18.4	19.7	18.8	20.1	20.5	21.0	22.3	21.4	22.7	23.1
	8H	18.5	19.7	18.9	20.1	20.5	21.0	22.3	21.5	22.7	23.1
	12H	18.5	19.7	18.9	20.0	20.5	21.0	22.2	21.5	22.6	23.0

UGR Viewed Endwise

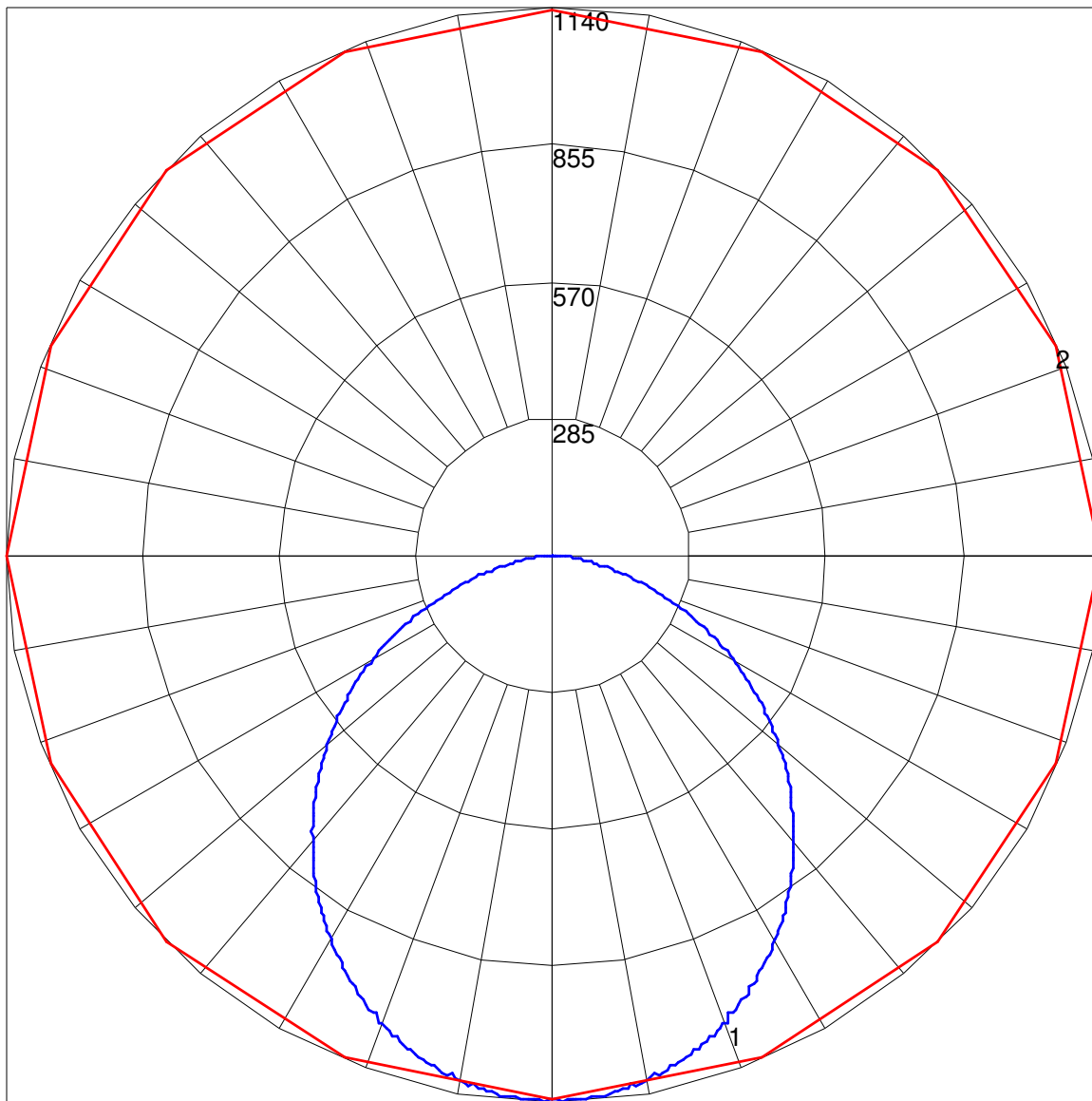
4H	2H	17.1	18.5	17.5	18.9	19.2	18.8	20.2	19.2	20.6	20.9
	3H	18.9	20.1	19.3	20.5	20.9	20.9	22.1	21.3	22.5	22.9
	4H	19.5	20.5	19.9	21.0	21.4	21.6	22.7	22.0	23.1	23.5
	6H	19.8	20.8	20.3	21.2	21.7	22.0	22.9	22.4	23.3	23.8
	8H	19.9	20.8	20.3	21.2	21.7	22.0	22.9	22.4	23.3	23.8
	12H	19.9	20.7	20.4	21.2	21.6	22.0	22.8	22.5	23.2	23.7

8H	4H	19.9	20.8	20.4	21.2	21.7	21.8	22.7	22.3	23.1	23.6
	6H	20.4	21.1	20.8	21.6	22.0	22.2	22.9	22.7	23.4	23.9
	8H	20.5	21.1	21.0	21.6	22.1	22.3	22.9	22.8	23.4	23.9
	12H	20.5	21.1	21.0	21.6	22.1	22.3	22.8	22.8	23.3	23.9

12H	4H	19.9	20.7	20.4	21.2	21.7	21.8	22.6	22.3	23.1	23.5
	6H	20.4	21.1	20.9	21.5	22.1	22.2	22.9	22.8	23.3	23.9
	8H	20.5	21.1	21.0	21.6	22.2	22.3	22.9	22.8	23.3	23.9

Maximum UGR = 23.9

POLAR GRAPH



Maximum Candela = 1140.062 Located At Horizontal Angle = 0, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)