

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L33-830-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-L33-830-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	3276
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
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	3343	3867	4398
55	3098	3894	4587
65	2699	3803	4428
75	1958	3085	3374
85	766	784	572

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2XG-L33-830-CA-DIM-UNV (A ONLY).IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1092.106	1092.106	1092.106	1092.106	1092.106
0.5	1091.697	1091.288	1092.515	1094.561	1086.789
1.0	1095.788	1089.652	1093.333	1092.106	1091.697
1.5	1092.515	1088.016	1092.515	1091.288	1088.016
2.0	1091.697	1086.789	1088.834	1095.788	1091.288
2.5	1092.106	1085.971	1088.834	1094.151	1085.562
3.0	1090.879	1088.016	1090.470	1091.697	1088.834
3.5	1092.106	1088.425	1086.380	1091.697	1090.470
4.0	1086.789	1084.744	1090.061	1090.470	1088.834
4.5	1087.607	1085.153	1085.562	1089.652	1084.335
5.0	1088.016	1085.971	1086.789	1086.380	1088.834
5.5	1088.425	1083.517	1085.971	1092.106	1088.425
6.0	1085.562	1083.926	1083.517	1088.425	1087.198
6.5	1081.472	1081.063	1085.562	1089.243	1086.789
7.0	1083.517	1080.654	1083.926	1089.243	1081.063
7.5	1080.245	1078.199	1080.654	1085.971	1082.699
8.0	1079.426	1075.745	1081.881	1085.562	1082.290
8.5	1073.291	1074.927	1079.426	1081.881	1081.472
9.0	1075.336	1074.109	1079.426	1082.290	1081.881
9.5	1075.336	1072.064	1075.336	1083.926	1079.835
10.0	1070.428	1070.837	1073.700	1079.017	1082.290
10.5	1064.701	1068.792	1074.109	1077.790	1076.972
11.0	1056.521	1063.474	1069.201	1076.972	1080.654
11.5	1062.247	1062.656	1066.747	1076.563	1075.336
12.0	1060.611	1059.793	1065.929	1076.154	1073.700
12.5	1059.384	1056.521	1065.929	1073.291	1070.837
13.0	1049.976	1054.067	1061.429	1073.291	1073.700
13.5	1048.749	1051.613	1061.429	1068.383	1076.972
14.0	1046.295	1051.203	1059.793	1065.929	1074.109
14.5	1045.477	1047.113	1054.476	1067.156	1067.565
15.0	1039.342	1041.796	1052.840	1064.292	1067.974
15.5	1039.751	1036.478	1049.567	1062.247	1060.202
16.0	1032.388	1033.615	1049.158	1061.429	1069.201
16.5	1031.979	1030.752	1045.477	1060.202	1062.656
17.0	1027.480	1027.480	1043.023	1055.703	1063.883
17.5	1022.571	1023.390	1039.342	1053.658	1060.202
18.0	1014.391	1018.890	1036.887	1053.658	1056.930
18.5	1015.209	1018.890	1034.842	1049.976	1050.385
19.0	1008.665	1009.483	1028.298	1049.158	1051.203
19.5	1005.801	1008.255	1027.480	1046.704	1048.749
20.0	997.621	1004.983	1022.162	1045.068	1044.250
20.5	998.848	999.257	1021.344	1042.614	1044.250
21.0	983.305	994.758	1015.618	1042.614	1044.250
21.5	983.714	991.894	1013.164	1036.887	1040.569
22.0	982.487	986.577	1008.255	1034.024	1041.387
22.5	976.760	981.669	1004.983	1031.979	1034.024
23.0	968.580	977.987	1005.392	1031.161	1037.706
23.5	966.944	973.488	998.439	1027.480	1036.069
24.0	961.217	967.762	996.394	1022.981	1032.797
24.5	952.219	963.262	991.894	1020.935	1027.071
25.0	948.128	957.945	987.804	1015.618	1025.026
25.5	943.629	953.037	983.305	1015.209	1022.162
26.0	937.494	947.719	978.805	1012.755	1022.162
26.5	930.949	942.402	973.488	1007.846	1017.254

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2XG-L33-830-CA-DIM-UNV (A ONLY).IES

CANDELA TABULATION - (Cont.)

27.0	927.268	937.903	973.488	1004.574	1014.391
27.5	920.314	931.358	965.717	1002.938	1016.845
28.0	912.134	925.223	957.945	1000.075	1007.437
28.5	908.862	920.314	957.536	996.394	1005.801
29.0	902.317	915.815	950.582	994.349	1007.437
29.5	897.000	909.680	947.719	987.395	1000.075
30.0	890.455	902.726	943.629	987.395	1001.711
30.5	883.093	899.045	940.357	982.896	999.666
31.0	879.002	891.682	935.448	979.623	992.303
31.5	870.822	886.365	928.495	976.351	992.303
32.0	866.323	880.639	923.587	972.670	990.258
32.5	857.324	874.503	918.678	970.625	987.395
33.0	853.234	867.959	916.224	965.717	982.078
33.5	845.462	861.414	908.452	959.172	977.578
34.0	838.100	854.870	905.180	960.399	975.533
34.5	831.555	848.734	899.454	953.446	972.670
35.0	824.193	842.190	894.955	951.400	971.443
35.5	818.057	834.418	889.637	945.674	964.898
36.0	810.695	829.101	884.729	941.993	964.080
36.5	803.332	822.556	879.411	938.312	957.536
37.0	796.379	816.421	873.276	932.585	953.855
37.5	788.198	809.059	867.959	930.540	955.082
38.0	779.199	802.923	863.459	923.996	947.719
38.5	774.700	795.561	857.324	921.950	944.856
39.0	766.111	789.425	851.188	915.815	940.766
39.5	757.930	780.836	845.871	912.952	937.084
40.0	750.976	775.109	840.145	908.043	932.994
40.5	743.205	767.338	833.600	901.908	929.722
41.0	736.251	761.202	828.283	897.409	921.950
41.5	728.071	754.249	822.556	892.909	916.633
42.0	719.481	746.886	816.012	885.956	912.134
42.5	712.119	739.115	809.468	881.048	906.816
43.0	703.938	732.570	804.150	876.548	905.180
43.5	696.576	724.390	796.788	870.822	900.681
44.0	688.804	717.436	791.061	864.686	894.546
44.5	681.033	710.074	785.335	860.596	891.273
45.0	673.261	702.711	778.790	854.461	885.547
45.5	665.080	694.531	772.655	850.370	878.184
46.0	656.082	687.577	765.702	844.235	874.094
46.5	647.901	679.396	759.566	837.282	868.368
47.0	641.766	671.625	753.022	831.555	862.232
47.5	631.949	663.444	746.068	825.829	857.324
48.0	624.996	656.082	738.706	819.284	849.961
48.5	616.815	648.719	731.752	811.922	843.008
49.0	608.635	640.948	726.026	807.422	836.872
49.5	598.409	632.767	718.663	799.242	832.373
50.0	591.455	625.814	712.119	793.106	825.011
50.5	582.457	617.224	704.347	786.971	818.057
51.0	573.867	609.044	696.985	778.790	810.286
51.5	564.868	601.272	689.622	770.610	803.332
52.0	557.097	592.682	681.851	765.702	795.970
52.5	548.916	584.502	674.488	758.339	788.607
53.0	539.100	576.321	667.126	748.522	780.836
53.5	530.919	568.550	659.763	742.387	774.700
54.0	522.330	560.369	651.992	733.797	765.292
54.5	512.922	552.189	643.402	726.026	757.521

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2XG-L33-830-CA-DIM-UNV (A ONLY).IES

CANDELA TABULATION - (Cont.)

55.0	505.968	543.190	636.039	716.618	749.340
55.5	497.379	535.009	627.450	708.847	740.751
56.0	488.789	526.829	619.678	701.075	732.570
56.5	479.791	519.057	611.089	692.076	724.390
57.0	470.792	510.877	602.908	683.487	714.573
57.5	462.202	502.696	594.728	674.079	704.347
58.0	453.204	494.516	585.729	665.080	693.712
58.5	443.796	485.926	577.548	656.491	683.896
59.0	435.206	477.336	569.368	646.674	674.079
59.5	426.208	468.338	560.778	637.267	664.262
60.0	417.209	459.748	551.371	627.450	653.219
60.5	408.211	450.750	542.372	616.815	642.584
61.0	399.007	441.751	533.373	605.771	631.540
61.5	389.886	433.161	523.557	595.546	620.496
62.0	380.724	424.163	514.967	584.911	607.816
62.5	371.439	414.755	506.377	573.458	595.137
63.0	362.358	406.084	497.379	562.823	583.275
63.5	352.951	396.880	487.971	550.962	571.822
64.0	343.543	387.759	477.745	539.100	558.733
64.5	334.054	378.515	467.929	527.238	546.053
65.0	324.810	369.312	457.703	514.967	532.964
65.5	315.361	360.231	447.886	504.332	519.057
66.0	305.912	350.987	437.252	492.061	507.604
66.5	296.382	341.866	427.026	478.972	494.107
67.0	286.934	332.499	416.391	466.293	480.200
67.5	277.771	323.255	405.347	452.386	466.702
68.0	268.282	313.929	394.017	439.297	452.795
68.5	258.792	304.563	382.973	426.208	438.479
69.0	249.467	295.319	371.480	412.301	423.754
69.5	240.263	285.911	360.395	398.926	408.701
70.0	231.265	276.708	348.820	384.855	394.385
70.5	222.225	267.300	336.999	370.580	379.906
71.0	213.022	257.974	325.178	356.673	365.590
71.5	204.269	248.648	312.989	343.052	351.110
72.0	195.229	239.323	301.045	329.227	336.467
72.5	186.476	230.079	288.774	315.197	321.865
73.0	177.968	220.957	276.585	301.127	307.058
73.5	169.379	211.672	264.314	286.852	292.415
74.0	160.912	202.469	252.084	272.536	277.976
74.5	152.690	193.389	239.650	258.711	263.414
75.0	144.305	184.226	227.420	244.967	248.689
75.5	136.084	175.187	215.190	231.142	233.923
76.0	127.985	166.188	203.165	217.153	218.830
76.5	120.009	157.231	191.098	203.083	203.696
77.0	112.401	148.355	179.195	188.930	188.889
77.5	104.752	139.642	167.374	175.064	174.451
78.0	97.390	130.807	155.758	161.321	159.726
78.5	90.068	122.013	144.183	147.700	144.919
79.0	82.910	113.342	132.812	134.039	129.580
79.5	76.079	104.793	121.686	120.214	114.733
80.0	69.535	96.367	110.765	106.470	100.335
80.5	63.154	88.105	99.926	93.013	86.550
81.0	57.059	79.965	89.332	80.129	73.298
81.5	51.169	72.030	78.943	67.858	60.986
82.0	45.648	64.381	68.840	56.323	49.574
82.5	40.412	57.100	58.982	45.811	40.003

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2XG-L33-830-CA-DIM-UNV (A ONLY).IES

CANDELA TABULATION - (Cont.)

83.0	35.504	50.024	49.533	36.772	31.986
83.5	30.923	43.398	40.617	29.327	25.810
84.0	26.669	37.181	32.477	23.478	21.024
84.5	22.660	31.291	25.319	18.979	17.179
85.0	19.020	25.851	19.470	15.298	14.193
85.5	15.707	20.779	14.848	12.434	11.780
86.0	12.721	16.238	11.330	10.144	9.817
86.5	10.144	12.189	8.712	8.344	8.221
87.0	7.853	8.835	6.749	6.872	6.790
87.5	5.890	6.176	5.358	5.563	5.604
88.0	4.336	4.295	4.172	4.458	4.499
88.5	3.068	2.986	3.231	3.477	3.559
89.0	2.127	2.086	2.413	2.618	2.700
89.5	1.432	1.473	1.759	1.882	1.841
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

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : CMR2XG-L33-830-CA-DIM-UNV (A ONLY).IES

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-L33-830-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-L33-830-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-L33-830-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	400.81	N.A.	12.20
0-30	856.24	N.A.	26.10
0-40	1417.17	N.A.	43.30
0-60	2581.11	N.A.	78.80
0-80	3242.73	N.A.	99.00
0-90	3275.78	N.A.	100.00
10-90	3172.39	N.A.	96.80
20-40	1016.36	N.A.	31.00
20-50	1616.97	N.A.	49.40
40-70	1600.24	N.A.	48.90
60-80	661.62	N.A.	20.20
70-80	225.32	N.A.	6.90
80-90	33.05	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	3275.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.40
10-20	297.41
20-30	455.43
30-40	560.93
40-50	600.62
50-60	563.33
60-70	436.30
70-80	225.32
80-90	33.05
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-L33-830-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	37	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-L33-830-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	15.9	17.5	16.3	17.9	18.2	18.1	19.8	18.5	20.1	20.4
	3H	17.5	19.0	17.8	19.3	19.6	20.0	21.5	20.4	21.8	22.2
	4H	17.9	19.4	18.3	19.7	20.1	20.6	22.0	21.0	22.3	22.7
	6H	18.2	19.5	18.6	19.9	20.3	20.8	22.1	21.2	22.5	22.9
	8H	18.3	19.5	18.7	19.9	20.3	20.8	22.1	21.3	22.5	22.9
	12H	18.3	19.5	18.7	19.8	20.3	20.8	22.0	21.3	22.4	22.8

UGR Viewed Endwise

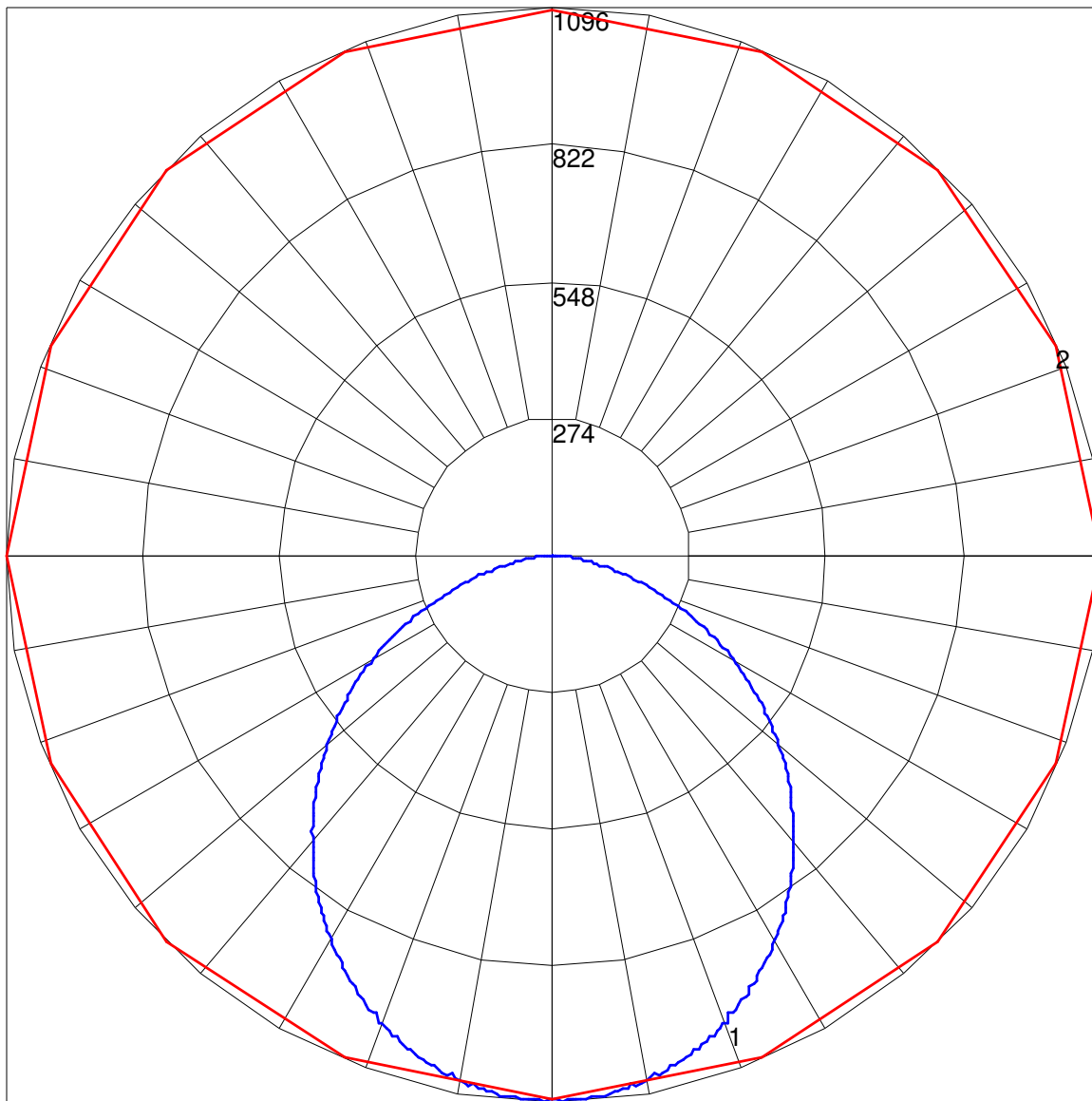
4H	2H	16.9	18.3	17.3	18.7	19.0	18.6	20.0	19.0	20.4	20.7
	3H	18.7	19.9	19.1	20.3	20.7	20.7	21.9	21.1	22.3	22.7
	4H	19.3	20.3	19.7	20.7	21.2	21.4	22.5	21.8	22.9	23.3
	6H	19.6	20.6	20.1	21.0	21.5	21.8	22.7	22.2	23.1	23.6
	8H	19.7	20.6	20.1	21.0	21.5	21.8	22.7	22.2	23.1	23.6
	12H	19.7	20.5	20.2	21.0	21.4	21.8	22.6	22.3	23.0	23.5

8H	4H	19.7	20.6	20.2	21.0	21.5	21.6	22.5	22.1	22.9	23.4
	6H	20.2	20.9	20.6	21.4	21.8	22.0	22.7	22.5	23.2	23.7
	8H	20.3	20.9	20.8	21.4	21.9	22.1	22.7	22.6	23.2	23.7
	12H	20.3	20.9	20.8	21.4	21.9	22.1	22.6	22.6	23.1	23.7

12H	4H	19.7	20.5	20.2	21.0	21.5	21.6	22.4	22.1	22.9	23.3
	6H	20.2	20.9	20.7	21.3	21.9	22.0	22.7	22.6	23.1	23.7
	8H	20.3	20.9	20.8	21.4	22.0	22.1	22.7	22.6	23.1	23.7

Maximum UGR = 23.7

POLAR GRAPH



Maximum Candela = 1095.788 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.)