

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L33-835-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-L33-835-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	3309
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
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	3377	3906	4442
55	3129	3933	4634
65	2726	3841	4473
75	1978	3117	3408
85	774	792	578

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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	1103.138	1103.138	1103.138	1103.138	1103.138
0.5	1102.725	1102.311	1103.551	1105.617	1097.767
1.0	1106.856	1100.659	1104.377	1103.138	1102.725
1.5	1103.551	1099.006	1103.551	1102.311	1099.006
2.0	1102.725	1097.767	1099.832	1106.856	1102.311
2.5	1103.138	1096.940	1099.832	1105.204	1096.527
3.0	1101.898	1099.006	1101.485	1102.725	1099.832
3.5	1103.138	1099.419	1097.354	1102.725	1101.485
4.0	1097.767	1095.701	1101.072	1101.485	1099.832
4.5	1098.593	1096.114	1096.527	1100.659	1095.288
5.0	1099.006	1096.940	1097.767	1097.354	1099.832
5.5	1099.419	1094.461	1096.940	1103.138	1099.419
6.0	1096.527	1094.875	1094.461	1099.419	1098.180
6.5	1092.396	1091.982	1096.527	1100.246	1097.767
7.0	1094.461	1091.569	1094.875	1100.246	1091.982
7.5	1091.156	1089.090	1091.569	1096.940	1093.635
8.0	1090.330	1086.611	1092.809	1096.527	1093.222
8.5	1084.132	1085.785	1090.330	1092.809	1092.396
9.0	1086.198	1084.959	1090.330	1093.222	1092.809
9.5	1086.198	1082.893	1086.198	1094.875	1090.743
10.0	1081.240	1081.653	1084.546	1089.917	1093.222
10.5	1075.456	1079.588	1084.959	1088.677	1087.851
11.0	1067.193	1074.217	1080.001	1087.851	1091.569
11.5	1072.977	1073.390	1077.522	1087.438	1086.198
12.0	1071.324	1070.498	1076.695	1087.024	1084.546
12.5	1070.085	1067.193	1076.695	1084.132	1081.653
13.0	1060.582	1064.714	1072.151	1084.132	1084.546
13.5	1059.343	1062.235	1072.151	1079.174	1087.851
14.0	1056.864	1061.822	1070.498	1076.695	1084.959
14.5	1056.037	1057.690	1065.127	1077.935	1078.348
15.0	1049.840	1052.319	1063.474	1075.043	1078.761
15.5	1050.253	1046.948	1060.169	1072.977	1070.911
16.0	1042.816	1044.056	1059.756	1072.151	1080.001
16.5	1042.403	1041.164	1056.037	1070.911	1073.390
17.0	1037.858	1037.858	1053.559	1066.366	1074.630
17.5	1032.901	1033.727	1049.840	1064.301	1070.911
18.0	1024.637	1029.182	1047.361	1064.301	1067.606
18.5	1025.464	1029.182	1045.295	1060.582	1060.995
19.0	1018.853	1019.679	1038.685	1059.756	1061.822
19.5	1015.961	1018.440	1037.858	1057.277	1059.343
20.0	1007.698	1015.135	1032.487	1055.624	1054.798
20.5	1008.937	1009.350	1031.661	1053.145	1054.798
21.0	993.237	1004.806	1025.877	1053.145	1054.798
21.5	993.650	1001.913	1023.398	1047.361	1051.080
22.0	992.411	996.542	1018.440	1044.469	1051.906
22.5	986.627	991.584	1015.135	1042.403	1044.469
23.0	978.363	987.866	1015.548	1041.577	1048.187
23.5	976.711	983.321	1008.524	1037.858	1046.535
24.0	970.926	977.537	1006.458	1033.314	1043.230
24.5	961.837	972.992	1001.913	1031.248	1037.445
25.0	957.705	967.621	997.782	1025.877	1035.379
25.5	953.161	962.663	993.237	1025.464	1032.487
26.0	946.963	957.292	988.692	1022.985	1032.487
26.5	940.353	951.921	983.321	1018.027	1027.529

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27.0	936.634	947.376	983.321	1014.721	1024.637
27.5	929.610	940.766	975.471	1013.069	1027.116
28.0	921.347	934.568	967.621	1010.177	1017.614
28.5	918.042	929.610	967.208	1006.458	1015.961
29.0	911.431	925.066	960.184	1004.392	1017.614
29.5	906.060	918.868	957.292	997.369	1010.177
30.0	899.450	911.845	953.161	997.369	1011.829
30.5	892.013	908.126	949.855	992.824	1009.764
31.0	887.881	900.689	944.897	989.519	1002.327
31.5	879.618	895.318	937.874	986.213	1002.327
32.0	875.073	889.534	932.916	982.495	1000.261
32.5	865.984	883.337	927.958	980.429	997.369
33.0	861.852	876.726	925.479	975.471	991.998
33.5	854.002	870.115	917.629	968.861	987.453
34.0	846.565	863.505	914.324	970.100	985.387
34.5	839.955	857.307	908.539	963.076	982.495
35.0	832.518	850.697	903.995	961.011	981.255
35.5	826.320	842.847	898.623	955.226	974.645
36.0	818.884	837.476	893.666	951.508	973.819
36.5	811.447	830.865	888.294	947.790	967.208
37.0	804.423	824.668	882.097	942.005	963.490
37.5	796.160	817.231	876.726	939.939	964.729
38.0	787.070	811.033	872.181	933.329	957.292
38.5	782.525	803.597	865.984	931.263	954.400
39.0	773.849	797.399	859.786	925.066	950.268
39.5	765.586	788.723	854.415	922.174	946.550
40.0	758.562	782.939	848.631	917.216	942.418
40.5	750.712	775.089	842.020	911.018	939.113
41.0	743.688	768.891	836.649	906.473	931.263
41.5	735.425	761.867	830.865	901.929	925.892
42.0	726.749	754.431	824.255	894.905	921.347
42.5	719.312	746.580	817.644	889.947	915.976
43.0	711.049	739.970	812.273	885.402	914.324
43.5	703.612	731.707	804.836	879.618	909.779
44.0	695.762	724.683	799.052	873.421	903.581
44.5	687.912	717.246	793.268	869.289	900.276
45.0	680.062	709.809	786.657	863.092	894.492
45.5	671.798	701.546	780.460	858.960	887.055
46.0	662.709	694.522	773.436	852.763	882.923
46.5	654.446	686.259	767.239	845.739	877.139
47.0	648.248	678.409	760.628	839.955	870.942
47.5	638.333	670.146	753.604	834.170	865.984
48.0	631.309	662.709	746.167	827.560	858.547
48.5	623.046	655.272	739.144	820.123	851.523
49.0	614.782	647.422	733.359	815.578	845.326
49.5	604.453	639.159	725.922	807.315	840.781
50.0	597.430	632.135	719.312	801.118	833.344
50.5	588.340	623.459	711.462	794.920	826.320
51.0	579.664	615.196	704.025	786.657	818.470
51.5	570.574	607.346	696.588	778.394	811.447
52.0	562.724	598.669	688.738	773.436	804.010
52.5	554.461	590.406	681.301	765.999	796.573
53.0	544.545	582.143	673.864	756.083	788.723
53.5	536.282	574.293	666.427	749.886	782.525
54.0	527.606	566.029	658.577	741.209	773.023
54.5	518.103	557.766	649.901	733.359	765.173

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55.0	511.079	548.677	642.464	723.857	756.909
55.5	502.403	540.414	633.788	716.007	748.233
56.0	493.726	532.150	625.938	708.157	739.970
56.5	484.637	524.300	617.261	699.067	731.707
57.0	475.547	516.037	608.998	690.391	721.791
57.5	466.871	507.774	600.735	680.888	711.462
58.0	457.782	499.511	591.645	671.798	700.720
58.5	448.279	490.834	583.382	663.122	690.804
59.0	439.602	482.158	575.119	653.206	680.888
59.5	430.513	473.068	566.443	643.704	670.972
60.0	421.423	464.392	556.940	633.788	659.817
60.5	412.334	455.303	547.850	623.046	649.075
61.0	403.038	446.213	538.761	611.890	637.919
61.5	393.824	437.537	528.845	601.561	626.764
62.0	384.570	428.447	520.169	590.819	613.956
62.5	375.191	418.944	511.492	579.251	601.148
63.0	366.019	410.185	502.403	568.508	589.166
63.5	356.516	400.889	492.900	556.527	577.598
64.0	347.013	391.676	482.571	544.545	564.377
64.5	337.428	382.338	472.655	532.564	551.569
65.0	328.091	373.042	462.326	520.169	538.348
65.5	318.547	363.870	452.410	509.427	524.300
66.0	309.003	354.533	441.668	497.032	512.732
66.5	299.376	345.319	431.339	483.811	499.098
67.0	289.832	335.858	420.597	471.003	485.050
67.5	280.577	326.521	409.442	456.955	471.416
68.0	270.992	317.100	397.997	443.734	457.368
68.5	261.406	307.639	386.842	430.513	442.908
69.0	251.986	298.302	375.232	416.465	428.034
69.5	242.690	288.799	364.035	402.955	412.830
70.0	233.601	279.503	352.343	388.742	398.369
70.5	224.470	270.000	340.403	374.323	383.743
71.0	215.174	260.580	328.462	360.276	369.283
71.5	206.332	251.160	316.150	346.517	354.657
72.0	197.201	241.740	304.086	332.553	339.866
72.5	188.360	232.403	291.691	318.381	325.116
73.0	179.766	223.189	279.379	304.169	310.159
73.5	171.090	213.810	266.984	289.749	295.368
74.0	162.537	204.514	254.631	275.289	280.784
74.5	154.233	195.342	242.071	261.324	266.075
75.0	145.763	186.087	229.717	247.442	251.201
75.5	137.458	176.957	217.364	233.477	236.286
76.0	129.278	167.867	205.217	219.347	221.041
76.5	121.221	158.819	193.028	205.134	205.754
77.0	113.536	149.853	181.005	190.839	190.797
77.5	105.810	141.053	169.065	176.833	176.213
78.0	98.373	132.129	157.331	162.950	161.339
78.5	90.978	123.246	145.639	149.192	146.383
79.0	83.748	114.487	134.153	135.393	130.889
79.5	76.848	105.852	122.915	121.428	115.891
80.0	70.237	97.341	111.884	107.546	101.348
80.5	63.792	88.995	100.935	93.953	87.425
81.0	57.636	80.773	90.234	80.938	74.038
81.5	51.686	72.758	79.740	68.543	61.602
82.0	46.109	65.031	69.535	56.892	50.075
82.5	40.820	57.677	59.578	46.274	40.407

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CANDELA TABULATION - (Cont.)

83.0	35.862	50.529	50.034	37.143	32.309
83.5	31.235	43.836	41.027	29.624	26.070
84.0	26.938	37.556	32.805	23.715	21.236
84.5	22.889	31.607	25.575	19.171	17.353
85.0	19.212	26.112	19.666	15.452	14.337
85.5	15.865	20.989	14.998	12.560	11.899
86.0	12.849	16.402	11.445	10.246	9.916
86.5	10.246	12.312	8.800	8.428	8.305
87.0	7.933	8.924	6.817	6.941	6.858
87.5	5.950	6.239	5.412	5.619	5.660
88.0	4.379	4.338	4.214	4.503	4.545
88.5	3.099	3.016	3.264	3.512	3.594
89.0	2.148	2.107	2.438	2.644	2.727
89.5	1.446	1.487	1.777	1.901	1.859
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-L33-835-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-L33-835-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-L33-835-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	404.86	N.A.	12.20
0-30	864.89	N.A.	26.10
0-40	1431.48	N.A.	43.30
0-60	2607.18	N.A.	78.80
0-80	3275.49	N.A.	99.00
0-90	3308.87	N.A.	100.00
10-90	3204.43	N.A.	96.80
20-40	1026.62	N.A.	31.00
20-50	1633.31	N.A.	49.40
40-70	1616.41	N.A.	48.90
60-80	668.31	N.A.	20.20
70-80	227.60	N.A.	6.90
80-90	33.39	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	3308.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.44
10-20	300.42
20-30	460.03
30-40	566.59
40-50	606.68
50-60	569.02
60-70	440.71
70-80	227.60
80-90	33.39
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-L33-835-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-L33-835-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

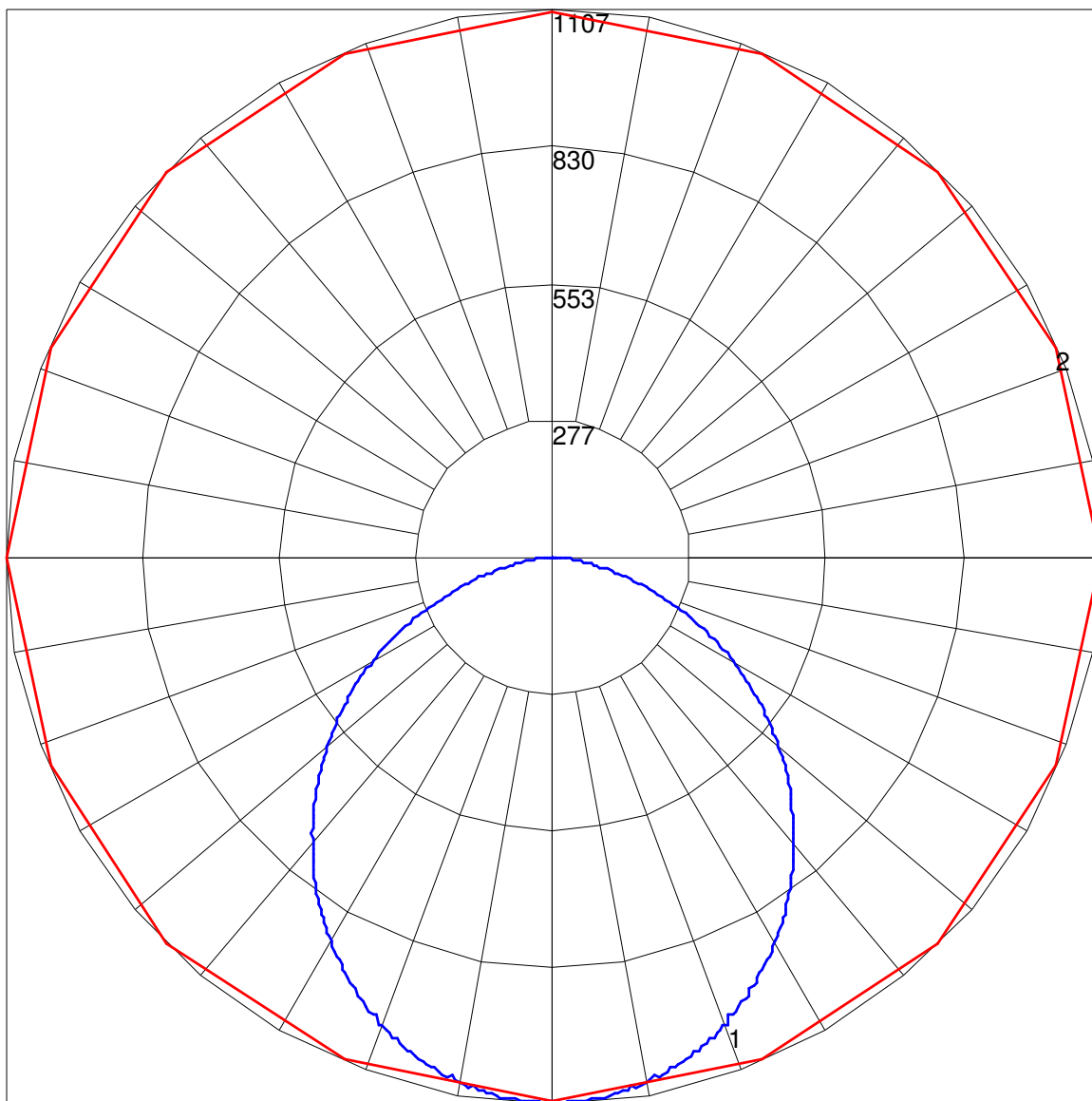
X=2H	Y=2H	16.0	17.7	16.4	18.0	18.3	18.2	19.9	18.6	20.2	20.5
	3H	17.6	19.1	17.9	19.4	19.7	20.1	21.6	20.5	21.9	22.3
	4H	18.1	19.5	18.4	19.8	20.2	20.7	22.1	21.1	22.4	22.8
	6H	18.3	19.6	18.7	20.0	20.4	20.9	22.2	21.3	22.6	23.0
	8H	18.4	19.6	18.8	20.0	20.4	20.9	22.2	21.4	22.6	23.0
	12H	18.4	19.6	18.8	19.9	20.4	20.9	22.1	21.4	22.5	22.9

UGR Viewed Endwise

4H	2H	17.0	18.4	17.4	18.8	19.1	18.7	20.1	19.1	20.5	20.8
	3H	18.8	20.0	19.2	20.4	20.8	20.8	22.0	21.2	22.4	22.8
	4H	19.4	20.4	19.8	20.8	21.3	21.5	22.6	21.9	23.0	23.4
	6H	19.7	20.7	20.2	21.1	21.6	21.9	22.8	22.3	23.2	23.7
	8H	19.8	20.7	20.2	21.1	21.6	21.9	22.8	22.3	23.2	23.7
	12H	19.8	20.6	20.3	21.1	21.5	21.9	22.7	22.4	23.1	23.6
8H	4H	19.8	20.7	20.3	21.1	21.6	21.7	22.6	22.2	23.0	23.5
	6H	20.3	21.0	20.7	21.5	21.9	22.1	22.8	22.6	23.3	23.8
	8H	20.4	21.0	20.9	21.5	22.0	22.2	22.8	22.7	23.3	23.8
	12H	20.4	21.0	20.9	21.5	22.0	22.2	22.7	22.7	23.2	23.8
12H	4H	19.8	20.6	20.3	21.1	21.6	21.7	22.5	22.2	23.0	23.4
	6H	20.3	21.0	20.8	21.4	22.0	22.1	22.8	22.7	23.2	23.8
	8H	20.4	21.0	20.9	21.5	22.1	22.2	22.8	22.7	23.2	23.8

Maximum UGR = 23.8

POLAR GRAPH



Maximum Candela = 1106.856 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.)