

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L33-850-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-L33-850-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	3507
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
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	3580	4141	4709
55	3317	4169	4912
65	2890	4072	4741
75	2096	3304	3613
85	820	840	612

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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	1169.326	1169.326	1169.326	1169.326	1169.326
0.5	1168.888	1168.450	1169.764	1171.954	1163.633
1.0	1173.268	1166.698	1170.640	1169.326	1168.888
1.5	1169.764	1164.946	1169.764	1168.450	1164.946
2.0	1168.888	1163.633	1165.822	1173.268	1168.450
2.5	1169.326	1162.757	1165.822	1171.516	1162.319
3.0	1168.012	1164.946	1167.574	1168.888	1165.822
3.5	1169.326	1165.384	1163.195	1168.888	1167.574
4.0	1163.633	1161.443	1167.136	1167.574	1165.822
4.5	1164.509	1161.881	1162.319	1166.698	1161.005
5.0	1164.946	1162.757	1163.633	1163.195	1165.822
5.5	1165.384	1160.129	1162.757	1169.326	1165.384
6.0	1162.319	1160.567	1160.129	1165.384	1164.071
6.5	1157.939	1157.501	1162.319	1166.260	1163.633
7.0	1160.129	1157.063	1160.567	1166.260	1157.501
7.5	1156.625	1154.436	1157.063	1162.757	1159.253
8.0	1155.750	1151.808	1158.377	1162.319	1158.815
8.5	1149.180	1150.932	1155.750	1158.377	1157.939
9.0	1151.370	1150.056	1155.750	1158.815	1158.377
9.5	1151.370	1147.866	1151.370	1160.567	1156.187
10.0	1146.115	1146.553	1149.618	1155.312	1158.815
10.5	1139.983	1144.363	1150.056	1153.998	1153.122
11.0	1131.224	1138.669	1144.801	1153.122	1157.063
11.5	1137.356	1137.794	1142.173	1152.684	1151.370
12.0	1135.604	1134.728	1141.297	1152.246	1149.618
12.5	1134.290	1131.224	1141.297	1149.180	1146.553
13.0	1124.217	1128.597	1136.480	1149.180	1149.618
13.5	1122.903	1125.969	1136.480	1143.925	1153.122
14.0	1120.276	1125.531	1134.728	1141.297	1150.056
14.5	1119.400	1121.152	1129.035	1142.611	1143.049
15.0	1112.830	1115.458	1127.283	1139.545	1143.487
15.5	1113.268	1109.765	1123.779	1137.356	1135.166
16.0	1105.385	1106.699	1123.341	1136.480	1144.801
16.5	1104.947	1103.634	1119.400	1135.166	1137.794
17.0	1100.130	1100.130	1116.772	1130.348	1139.107
17.5	1094.875	1095.750	1112.830	1128.159	1135.166
18.0	1086.116	1090.933	1110.203	1128.159	1131.662
18.5	1086.991	1090.933	1108.013	1124.217	1124.655
19.0	1079.984	1080.860	1101.006	1123.341	1125.531
19.5	1076.919	1079.546	1100.130	1120.714	1122.903
20.0	1068.160	1076.043	1094.437	1118.962	1118.086
20.5	1069.473	1069.911	1093.561	1116.334	1118.086
21.0	1052.831	1065.094	1087.429	1116.334	1118.086
21.5	1053.269	1062.028	1084.802	1110.203	1114.144
22.0	1051.955	1056.335	1079.546	1107.137	1115.020
22.5	1045.824	1051.080	1076.043	1104.947	1107.137
23.0	1037.065	1047.138	1076.481	1104.071	1111.079
23.5	1035.313	1042.321	1069.035	1100.130	1109.327
24.0	1029.182	1036.189	1066.846	1095.312	1105.823
24.5	1019.547	1031.372	1062.028	1093.123	1099.692
25.0	1015.168	1025.678	1057.649	1087.429	1097.502
25.5	1010.350	1020.423	1052.831	1086.991	1094.437
26.0	1003.781	1014.730	1048.014	1084.364	1094.437
26.5	996.774	1009.036	1042.321	1079.108	1089.181

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CANDELA TABULATION - (Cont.)

27.0	992.832	1004.219	1042.321	1075.605	1086.116
27.5	985.387	997.212	1033.999	1073.853	1088.743
28.0	976.628	990.642	1025.678	1070.787	1078.670
28.5	973.124	985.387	1025.240	1066.846	1076.919
29.0	966.117	980.570	1017.795	1064.656	1078.670
29.5	960.424	974.000	1014.730	1057.211	1070.787
30.0	953.417	966.555	1010.350	1057.211	1072.539
30.5	945.534	962.614	1006.847	1052.393	1070.349
31.0	941.154	954.731	1001.591	1048.890	1062.466
31.5	932.395	949.037	994.146	1045.386	1062.466
32.0	927.578	942.906	988.891	1041.445	1060.276
32.5	917.943	936.337	983.635	1039.255	1057.211
33.0	913.563	929.329	981.008	1033.999	1051.517
33.5	905.242	922.322	972.687	1026.992	1046.700
34.0	897.359	915.315	969.183	1028.306	1044.510
34.5	890.352	908.746	963.052	1020.861	1041.445
35.0	882.469	901.739	958.234	1018.671	1040.131
35.5	875.900	893.418	952.541	1012.540	1033.124
36.0	868.017	887.724	947.285	1008.598	1032.248
36.5	860.133	880.717	941.592	1004.657	1025.240
37.0	852.688	874.148	935.023	998.526	1021.299
37.5	843.929	866.265	929.329	996.336	1022.613
38.0	834.294	859.695	924.512	989.329	1014.730
38.5	829.477	851.812	917.943	987.139	1011.664
39.0	820.280	845.243	911.374	980.570	1007.285
39.5	811.521	836.046	905.680	977.504	1003.343
40.0	804.076	829.915	899.549	972.249	998.964
40.5	795.755	821.594	892.542	965.679	995.460
41.0	788.310	815.025	886.848	960.862	987.139
41.5	779.551	807.579	880.717	956.044	981.446
42.0	770.354	799.696	873.710	948.599	976.628
42.5	762.471	791.375	866.703	943.344	970.935
43.0	753.712	784.368	861.009	938.526	969.183
43.5	745.829	775.609	853.126	932.395	964.365
44.0	737.507	768.164	846.995	925.826	957.796
44.5	729.186	760.281	840.864	921.446	954.293
45.0	720.865	752.398	833.856	914.877	948.161
45.5	712.106	743.639	827.287	910.498	940.278
46.0	702.471	736.194	819.842	903.928	935.899
46.5	693.712	727.435	813.273	896.483	929.767
47.0	687.143	719.114	806.266	890.352	923.198
47.5	676.632	710.355	798.820	884.221	917.943
48.0	669.187	702.471	790.937	877.213	910.060
48.5	660.428	694.588	783.492	869.330	902.615
49.0	651.669	686.267	777.361	864.513	896.045
49.5	640.721	677.508	769.478	855.754	891.228
50.0	633.275	670.063	762.471	849.185	883.345
50.5	623.641	660.866	754.150	842.615	875.900
51.0	614.444	652.107	746.266	833.856	867.579
51.5	604.809	643.786	738.383	825.097	860.133
52.0	596.488	634.589	730.062	819.842	852.250
52.5	587.729	625.830	722.179	811.959	844.367
53.0	577.218	617.071	714.296	801.448	836.046
53.5	568.459	608.750	706.413	794.879	829.477
54.0	559.262	599.991	698.092	785.682	819.404
54.5	549.189	591.232	688.895	777.361	811.083

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55.0	541.744	581.597	681.012	767.288	802.324
55.5	532.547	572.838	671.815	758.967	793.127
56.0	523.350	564.079	663.494	750.646	784.368
56.5	513.715	555.758	654.297	741.011	775.609
57.0	504.080	546.999	645.538	731.814	765.098
57.5	494.883	538.240	636.779	721.741	754.150
58.0	485.248	529.481	627.144	712.106	742.763
58.5	475.176	520.284	618.385	702.909	732.252
59.0	465.979	511.087	609.626	692.399	721.741
59.5	456.344	501.453	600.429	682.326	711.230
60.0	446.709	492.256	590.356	671.815	699.406
60.5	437.074	482.621	580.721	660.428	688.019
61.0	427.220	472.986	571.087	648.604	676.195
61.5	417.454	463.789	560.576	637.655	664.370
62.0	407.644	454.154	551.379	626.268	650.793
62.5	397.702	444.081	542.182	614.006	637.217
63.0	387.980	434.797	532.547	602.619	624.516
63.5	377.907	424.943	522.474	589.918	612.254
64.0	367.834	415.176	511.525	577.218	598.239
64.5	357.674	405.279	501.015	564.517	584.663
65.0	347.776	395.425	490.066	551.379	570.649
65.5	337.659	385.702	479.555	539.992	555.758
66.0	327.543	375.805	468.168	526.854	543.496
66.5	317.338	366.038	457.220	512.839	529.043
67.0	307.222	356.009	445.833	499.263	514.153
67.5	297.412	346.112	434.008	484.372	499.701
68.0	287.251	336.126	421.877	470.358	484.810
68.5	277.091	326.097	410.052	456.344	469.482
69.0	267.106	316.200	397.746	441.453	453.716
69.5	257.252	306.127	385.878	427.132	437.599
70.0	247.617	296.273	373.484	412.067	422.271
70.5	237.938	286.200	360.827	396.783	406.768
71.0	228.084	276.215	348.170	381.892	391.440
71.5	218.712	266.230	335.119	367.309	375.936
72.0	209.033	256.244	322.331	352.506	360.258
72.5	199.661	246.347	309.193	337.484	344.623
73.0	190.552	236.580	296.142	322.419	328.769
73.5	181.355	226.639	283.003	307.134	313.090
74.0	172.289	216.785	269.908	291.806	297.631
74.5	163.487	207.063	256.595	277.003	282.040
75.0	154.509	197.253	243.500	262.288	266.273
75.5	145.706	187.574	230.405	247.485	250.463
76.0	137.034	177.939	217.530	232.508	234.303
76.5	128.494	168.348	204.610	217.442	218.099
77.0	120.349	158.844	191.866	202.289	202.245
77.5	112.159	149.516	179.209	187.443	186.786
78.0	104.276	140.056	166.771	172.727	171.019
78.5	96.437	130.640	154.377	158.144	155.166
79.0	88.772	121.356	142.202	143.516	138.742
79.5	81.459	112.203	130.290	128.713	122.845
80.0	74.451	103.181	118.597	113.998	107.429
80.5	67.619	94.334	106.991	99.590	92.670
81.0	61.094	85.619	95.648	85.794	78.481
81.5	54.788	77.123	84.524	72.656	65.298
82.0	48.875	68.933	73.707	60.306	53.080
82.5	43.269	61.138	63.152	49.050	42.831

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CANDELA TABULATION - (Cont.)

83.0	38.014	53.561	53.036	39.372	34.248
83.5	33.109	46.466	43.488	31.401	27.635
84.0	28.554	39.810	34.773	25.138	22.511
84.5	24.262	33.503	27.109	20.321	18.394
85.0	20.365	27.678	20.846	16.379	15.197
85.5	16.817	22.248	15.898	13.314	12.613
86.0	13.620	17.387	12.131	10.861	10.511
86.5	10.861	13.051	9.328	8.934	8.803
87.0	8.409	9.460	7.226	7.358	7.270
87.5	6.306	6.613	5.737	5.956	6.000
88.0	4.642	4.598	4.467	4.774	4.817
88.5	3.285	3.197	3.460	3.723	3.810
89.0	2.277	2.234	2.584	2.803	2.890
89.5	1.533	1.577	1.883	2.015	1.971
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-L33-850-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-L33-850-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-L33-850-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	429.15	N.A.	12.20
0-30	916.78	N.A.	26.10
0-40	1517.37	N.A.	43.30
0-60	2763.61	N.A.	78.80
0-80	3472.01	N.A.	99.00
0-90	3507.4	N.A.	100.00
10-90	3396.7	N.A.	96.80
20-40	1088.22	N.A.	31.00
20-50	1731.3	N.A.	49.40
40-70	1713.39	N.A.	48.90
60-80	708.40	N.A.	20.20
70-80	241.25	N.A.	6.90
80-90	35.39	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	3507.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.71
10-20	318.44
20-30	487.63
30-40	600.59
40-50	643.08
50-60	603.16
60-70	467.15
70-80	241.25
80-90	35.39
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-L33-850-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	41	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

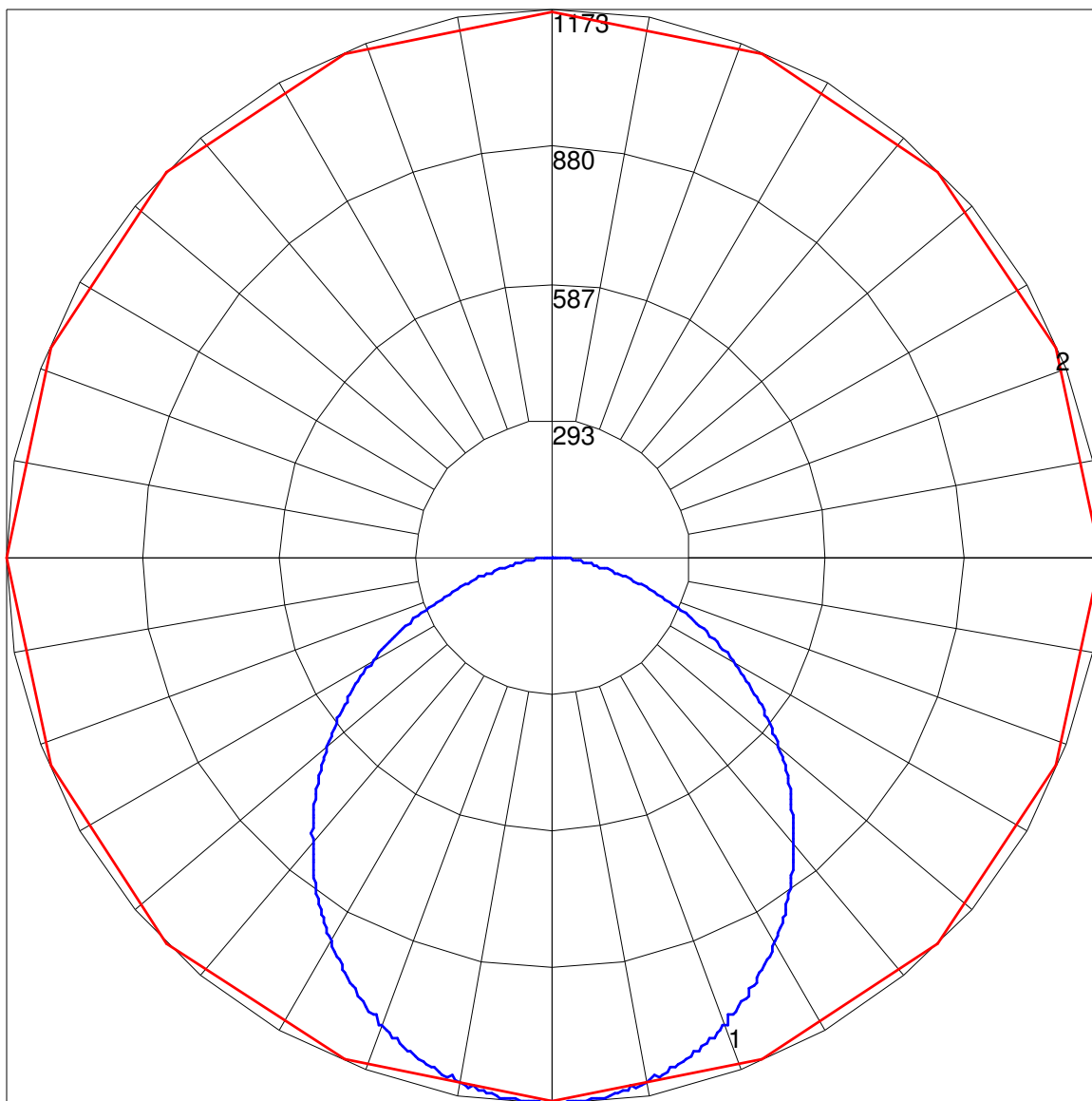
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2XG-L33-850-CA-DIM-UNV (A ONLY).IES

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					UGR Viewed Endwise				
X=2H	Y=2H	16.2	17.8	16.6	18.2	18.5	18.4	20.1	18.8	20.4	20.7
	3H	17.8	19.3	18.1	19.6	19.9	20.3	21.8	20.7	22.1	22.5
	4H	18.2	19.7	18.6	20.0	20.4	20.9	22.3	21.3	22.6	23.0
	6H	18.5	19.8	18.9	20.2	20.6	21.1	22.4	21.5	22.8	23.2
	8H	18.6	19.8	19.0	20.2	20.6	21.1	22.4	21.6	22.8	23.2
	12H	18.6	19.8	19.0	20.1	20.6	21.1	22.3	21.6	22.7	23.1
4H	2H	17.2	18.6	17.6	19.0	19.3	18.9	20.3	19.3	20.7	21.0
	3H	19.0	20.2	19.4	20.6	21.0	21.0	22.2	21.4	22.6	23.0
	4H	19.6	20.6	20.0	21.0	21.5	21.7	22.8	22.1	23.2	23.6
	6H	19.9	20.9	20.4	21.3	21.8	22.1	23.0	22.5	23.4	23.9
	8H	20.0	20.9	20.4	21.3	21.8	22.1	23.0	22.5	23.4	23.9
	12H	20.0	20.8	20.5	21.3	21.7	22.1	22.9	22.6	23.3	23.8
8H	4H	20.0	20.9	20.5	21.3	21.8	21.9	22.8	22.4	23.2	23.7
	6H	20.5	21.2	20.9	21.7	22.1	22.3	23.0	22.8	23.5	24.0
	8H	20.6	21.2	21.1	21.7	22.2	22.4	23.0	22.9	23.5	24.0
	12H	20.6	21.2	21.1	21.7	22.2	22.4	22.9	22.9	23.4	24.0
12H	4H	20.0	20.8	20.5	21.3	21.8	21.9	22.7	22.4	23.2	23.6
	6H	20.5	21.2	21.0	21.6	22.2	22.3	23.0	22.9	23.4	24.0
	8H	20.6	21.2	21.1	21.7	22.3	22.4	23.0	22.9	23.4	24.0

Maximum UGR = 24.0

POLAR GRAPH



Maximum Candela = 1173.268 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.)