

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L17-935-CA-DIM-UNV (A ONLY).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155668.03

[TESTLAB] UL, LLC

[ISSUEDATE] 2026-08-07

[TESTDATE] 3/17/2026

[MANUFAC] H E Williams Inc

[LUMCAT] CMR2xG-L17-935-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	1417
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	13.8
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	1446	1673	1902
55	1340	1684	1984
65	1167	1645	1915
75	847	1334	1459
85	331	339	247

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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	472.329	472.329	472.329	472.329	472.329
0.5	472.152	471.975	472.506	473.390	470.029
1.0	473.921	471.267	472.860	472.329	472.152
1.5	472.506	470.560	472.506	471.975	470.560
2.0	472.152	470.029	470.914	473.921	471.975
2.5	472.329	469.675	470.914	473.213	469.498
3.0	471.798	470.560	471.621	472.152	470.914
3.5	472.329	470.737	469.852	472.152	471.621
4.0	470.029	469.145	471.444	471.621	470.914
4.5	470.383	469.322	469.498	471.267	468.968
5.0	470.560	469.675	470.029	469.852	470.914
5.5	470.737	468.614	469.675	472.329	470.737
6.0	469.498	468.791	468.614	470.737	470.206
6.5	467.729	467.553	469.498	471.091	470.029
7.0	468.614	467.376	468.791	471.091	467.553
7.5	467.199	466.314	467.376	469.675	468.260
8.0	466.845	465.253	467.906	469.498	468.083
8.5	464.191	464.899	466.845	467.906	467.729
9.0	465.076	464.545	466.845	468.083	467.906
9.5	465.076	463.661	465.076	468.791	467.022
10.0	462.953	463.130	464.368	466.668	468.083
10.5	460.476	462.245	464.545	466.137	465.784
11.0	456.938	459.946	462.422	465.784	467.376
11.5	459.415	459.592	461.361	465.607	465.076
12.0	458.707	458.354	461.007	465.430	464.368
12.5	458.177	456.938	461.007	464.191	463.130
13.0	454.108	455.877	459.061	464.191	464.368
13.5	453.577	454.816	459.061	462.069	465.784
14.0	452.516	454.639	458.354	461.007	464.545
14.5	452.162	452.870	456.054	461.538	461.715
15.0	449.509	450.570	455.346	460.300	461.892
15.5	449.685	448.270	453.931	459.415	458.531
16.0	446.501	447.032	453.754	459.061	462.422
16.5	446.324	445.794	452.162	458.531	459.592
17.0	444.378	444.378	451.101	456.585	460.123
17.5	442.256	442.609	449.509	455.700	458.531
18.0	438.717	440.663	448.447	455.700	457.115
18.5	439.071	440.663	447.563	454.108	454.285
19.0	436.241	436.595	444.732	453.754	454.639
19.5	435.003	436.064	444.378	452.693	453.577
20.0	431.464	434.649	442.079	451.985	451.631
20.5	431.995	432.172	441.725	450.924	451.631
21.0	425.273	430.226	439.248	450.924	451.631
21.5	425.450	428.988	438.187	448.447	450.039
22.0	424.919	426.688	436.064	447.209	450.393
22.5	422.442	424.565	434.649	446.324	447.209
23.0	418.904	422.973	434.826	445.970	448.801
23.5	418.197	421.027	431.818	444.378	448.093
24.0	415.720	418.551	430.934	442.432	446.678
24.5	411.828	416.605	428.988	441.548	444.201
25.0	410.059	414.305	427.219	439.248	443.317
25.5	408.113	412.182	425.273	439.071	442.079
26.0	405.460	409.882	423.327	438.010	442.079
26.5	402.629	407.583	421.027	435.887	439.956

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR2XG-L17-935-CA-DIM-UNV (A ONLY).IES****CANDELA TABULATION - (Cont.)**

27.0	401.037	405.637	421.027	434.472	438.717
27.5	398.030	402.806	417.666	433.764	439.779
28.0	394.492	400.153	414.305	432.526	435.710
28.5	393.077	398.030	414.128	430.934	435.003
29.0	390.246	396.084	411.121	430.049	435.710
29.5	387.947	393.431	409.882	427.042	432.526
30.0	385.116	390.423	408.113	427.042	433.233
30.5	381.932	388.831	406.698	425.096	432.349
31.0	380.163	385.647	404.575	423.681	429.165
31.5	376.625	383.347	401.568	422.266	429.165
32.0	374.679	380.870	399.445	420.673	428.280
32.5	370.787	378.217	397.322	419.789	427.042
33.0	369.018	375.386	396.261	417.666	424.742
33.5	365.657	372.556	392.900	414.836	422.796
34.0	362.473	369.726	391.485	415.366	421.912
34.5	359.642	367.072	389.008	412.359	420.673
35.0	356.458	364.242	387.062	411.475	420.143
35.5	353.804	360.880	384.762	408.998	417.312
36.0	350.620	358.581	382.639	407.406	416.958
36.5	347.436	355.750	380.340	405.814	414.128
37.0	344.429	353.097	377.686	403.337	412.536
37.5	340.891	349.913	375.386	402.453	413.067
38.0	336.999	347.259	373.441	399.622	409.882
38.5	335.053	344.075	370.787	398.738	408.644
39.0	331.338	341.421	368.133	396.084	406.875
39.5	327.800	337.706	365.834	394.846	405.283
40.0	324.792	335.230	363.357	392.723	403.514
40.5	321.431	331.869	360.527	390.069	402.099
41.0	318.424	329.215	358.227	388.123	398.738
41.5	314.886	326.208	355.750	386.178	396.438
42.0	311.171	323.023	352.920	383.170	394.492
42.5	307.987	319.662	350.089	381.047	392.192
43.0	304.449	316.832	347.790	379.101	391.485
43.5	301.264	313.294	344.605	376.625	389.539
44.0	297.903	310.286	342.129	373.971	386.885
44.5	294.542	307.102	339.652	372.202	385.470
45.0	291.181	303.918	336.822	369.549	382.993
45.5	287.643	300.380	334.168	367.780	379.809
46.0	283.751	297.373	331.161	365.126	378.040
46.5	280.213	293.835	328.507	362.119	375.563
47.0	277.560	290.473	325.677	359.642	372.910
47.5	273.314	286.935	322.670	357.166	370.787
48.0	270.307	283.751	319.485	354.335	367.603
48.5	266.769	280.567	316.478	351.151	364.595
49.0	263.230	277.206	314.001	349.205	361.942
49.5	258.808	273.668	310.817	345.667	359.996
50.0	255.801	270.660	307.987	343.013	356.812
50.5	251.909	266.945	304.626	340.360	353.804
51.0	248.194	263.407	301.441	336.822	350.443
51.5	244.302	260.046	298.257	333.284	347.436
52.0	240.941	256.331	294.896	331.161	344.252
52.5	237.403	252.793	291.712	327.977	341.067
53.0	233.157	249.255	288.527	323.731	337.706
53.5	229.619	245.894	285.343	321.078	335.053
54.0	225.904	242.356	281.982	317.363	330.984
54.5	221.835	238.818	278.267	314.001	327.623

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55.0	218.828	234.926	275.083	309.933	324.085
55.5	215.113	231.388	271.368	306.572	320.370
56.0	211.398	227.850	268.007	303.210	316.832
56.5	207.506	224.489	264.292	299.319	313.294
57.0	203.614	220.951	260.754	295.604	309.048
57.5	199.899	217.413	257.216	291.535	304.626
58.0	196.008	213.875	253.324	287.643	300.026
58.5	191.939	210.160	249.786	283.928	295.780
59.0	188.224	206.445	246.248	279.682	291.535
59.5	184.332	202.553	242.533	275.614	287.289
60.0	180.440	198.838	238.464	271.368	282.513
60.5	176.548	194.946	234.572	266.769	277.913
61.0	172.568	191.054	230.680	261.992	273.137
61.5	168.623	187.339	226.435	257.570	268.361
62.0	164.661	183.448	222.720	252.970	262.877
62.5	160.645	179.379	219.005	248.017	257.393
63.0	156.718	175.629	215.113	243.417	252.263
63.5	152.649	171.648	211.044	238.287	247.309
64.0	148.580	167.703	206.622	233.157	241.648
64.5	144.476	163.705	202.376	228.027	236.164
65.0	140.478	159.725	197.954	222.720	230.504
65.5	136.392	155.798	193.708	218.120	224.489
66.0	132.305	151.800	189.108	212.813	219.536
66.5	128.183	147.855	184.686	207.152	213.698
67.0	124.097	143.804	180.086	201.669	207.683
67.5	120.134	139.806	175.310	195.654	201.845
68.0	116.030	135.772	170.410	189.993	195.831
68.5	111.926	131.721	165.634	184.332	189.639
69.0	107.893	127.723	160.663	178.317	183.271
69.5	103.912	123.655	155.869	172.533	176.761
70.0	100.021	119.674	150.862	166.447	170.569
70.5	96.111	115.606	145.750	160.273	164.307
71.0	92.131	111.572	140.637	154.259	158.115
71.5	88.345	107.539	135.366	148.368	151.853
72.0	84.435	103.505	130.200	142.389	145.520
72.5	80.650	99.507	124.893	136.321	139.204
73.0	76.970	95.563	119.621	130.235	132.800
73.5	73.255	91.547	114.314	124.062	126.467
74.0	69.593	87.567	109.025	117.870	120.223
74.5	66.038	83.639	103.647	111.891	113.925
75.0	62.411	79.677	98.358	105.947	107.557
75.5	58.855	75.767	93.068	99.967	101.170
76.0	55.353	71.875	87.867	93.917	94.643
76.5	51.903	68.001	82.649	87.832	88.097
77.0	48.613	64.162	77.501	81.711	81.693
77.5	45.305	60.394	72.388	75.714	75.449
78.0	42.120	56.573	67.364	69.770	69.080
78.5	38.954	52.770	62.358	63.879	62.676
79.0	35.858	49.020	57.440	57.971	56.043
79.5	32.904	45.322	52.628	51.992	49.621
80.0	30.073	41.678	47.905	46.048	43.394
80.5	27.314	38.105	43.217	40.228	37.433
81.0	24.678	34.584	38.635	34.655	31.701
81.5	22.130	31.152	34.142	29.348	26.376
82.0	19.742	27.844	29.773	24.359	21.441
82.5	17.478	24.696	25.509	19.813	17.301

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2XG-L17-935-CA-DIM-UNV (A ONLY).IES

CANDELA TABULATION - (Cont.)

83.0	15.355	21.635	21.423	15.904	13.834
83.5	13.374	18.769	17.566	12.684	11.163
84.0	11.534	16.080	14.046	10.154	9.093
84.5	9.800	13.533	10.950	8.208	7.430
85.0	8.226	11.180	8.421	6.616	6.139
85.5	6.793	8.987	6.422	5.378	5.095
86.0	5.502	7.023	4.900	4.387	4.246
86.5	4.387	5.272	3.768	3.609	3.556
87.0	3.397	3.821	2.919	2.972	2.937
87.5	2.547	2.671	2.317	2.406	2.424
88.0	1.875	1.857	1.804	1.928	1.946
88.5	1.327	1.291	1.398	1.504	1.539
89.0	0.920	0.902	1.044	1.132	1.168
89.5	0.619	0.637	0.761	0.814	0.796
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

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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-L17-935-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-L17-935-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	173.35	N.A.	12.20
0-30	370.32	N.A.	26.10
0-40	612.92	N.A.	43.30
0-60	1116.31	N.A.	78.80
0-80	1402.46	N.A.	99.00
0-90	1416.75	N.A.	100.00
10-90	1372.04	N.A.	96.80
20-40	439.57	N.A.	31.00
20-50	699.33	N.A.	49.40
40-70	692.09	N.A.	48.90
60-80	286.15	N.A.	20.20
70-80	97.45	N.A.	6.90
80-90	14.29	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	1416.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	44.72
10-20	128.63
20-30	196.97
30-40	242.60
40-50	259.76
50-60	243.63
60-70	188.70
70-80	97.45
80-90	14.29
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-L17-935-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	60	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-L17-935-CA-DIM-UNV (A ONLY).IES

UGR TABLE - CORRECTED

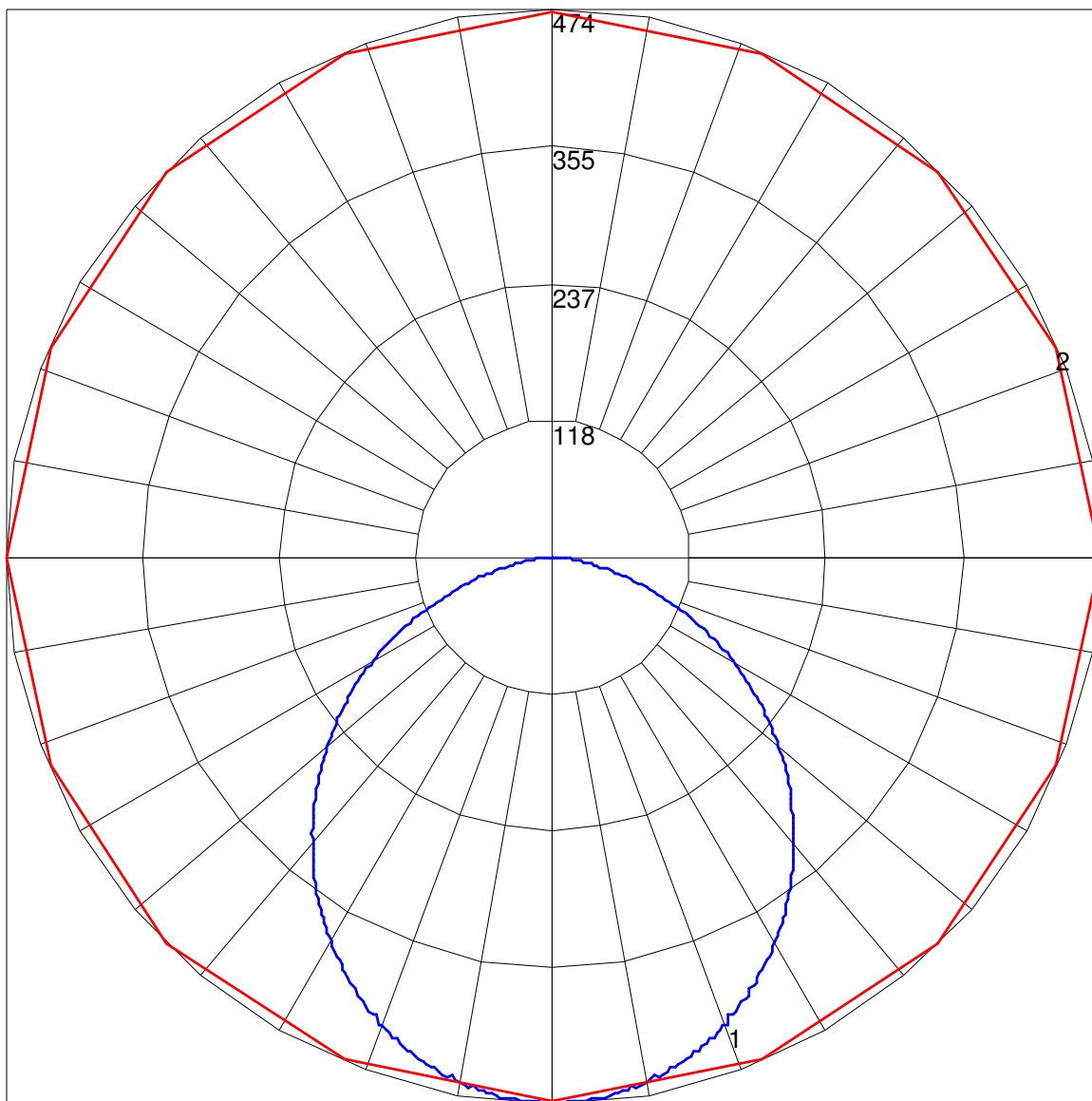
Reflectances

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	13.0	14.6	13.4	15.0	15.3	15.2	16.9	15.6	17.2	17.5
	3H	14.6	16.1	14.9	16.4	16.7	17.1	18.6	17.5	18.9	19.3
	4H	15.0	16.5	15.4	16.8	17.2	17.7	19.1	18.1	19.4	19.8
	6H	15.3	16.6	15.7	17.0	17.4	17.9	19.2	18.3	19.6	20.0
	8H	15.4	16.6	15.8	17.0	17.4	17.9	19.2	18.4	19.6	20.0
	12H	15.4	16.6	15.8	16.9	17.4	17.9	19.1	18.4	19.5	19.9
4H	2H	14.0	15.4	14.4	15.8	16.1	15.7	17.1	16.1	17.5	17.8
	3H	15.8	17.0	16.2	17.4	17.8	17.8	19.0	18.2	19.4	19.8
	4H	16.4	17.4	16.8	17.8	18.3	18.5	19.6	18.9	20.0	20.4
	6H	16.7	17.7	17.2	18.1	18.6	18.9	19.8	19.3	20.2	20.7
	8H	16.8	17.7	17.2	18.1	18.6	18.9	19.8	19.3	20.2	20.7
	12H	16.8	17.6	17.3	18.1	18.5	18.9	19.7	19.3	20.1	20.6
8H	4H	16.8	17.7	17.3	18.1	18.6	18.7	19.6	19.2	20.0	20.5
	6H	17.2	18.0	17.7	18.5	18.9	19.1	19.8	19.6	20.3	20.8
	8H	17.4	18.0	17.9	18.5	19.0	19.2	19.8	19.7	20.3	20.8
	12H	17.4	18.0	17.9	18.5	19.0	19.2	19.7	19.7	20.2	20.8
12H	4H	16.8	17.6	17.3	18.1	18.6	18.7	19.5	19.2	20.0	20.4
	6H	17.3	18.0	17.8	18.4	19.0	19.1	19.8	19.7	20.2	20.8
	8H	17.4	18.0	17.9	18.5	19.1	19.2	19.8	19.7	20.2	20.8

Maximum UGR = 20.8

POLAR GRAPH



Maximum Candela = 473.921 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.)