

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L17-827-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-L17-827-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	1656
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	1690	1955	2223
55	1566	1968	2319
65	1364	1922	2238
75	990	1560	1705
85	387	396	289

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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	551.999	551.999	551.999	551.999	551.999
0.5	551.792	551.586	552.206	553.239	549.311
1.0	553.860	550.759	552.619	551.999	551.792
1.5	552.206	549.932	552.206	551.586	549.932
2.0	551.792	549.311	550.345	553.860	551.586
2.5	551.999	548.898	550.345	553.033	548.691
3.0	551.379	549.932	551.172	551.792	550.345
3.5	551.999	550.138	549.105	551.792	551.172
4.0	549.311	548.278	550.965	551.172	550.345
4.5	549.725	548.484	548.691	550.759	548.071
5.0	549.932	548.898	549.311	549.105	550.345
5.5	550.138	547.657	548.898	551.999	550.138
6.0	548.691	547.864	547.657	550.138	549.518
6.5	546.624	546.417	548.691	550.552	549.311
7.0	547.657	546.210	547.864	550.552	546.417
7.5	546.004	544.970	546.210	548.898	547.244
8.0	545.590	543.729	546.830	548.691	547.037
8.5	542.489	543.316	545.590	546.830	546.624
9.0	543.523	542.902	545.590	547.037	546.830
9.5	543.523	541.869	543.523	547.864	545.797
10.0	541.042	541.248	542.696	545.383	547.037
10.5	538.147	540.215	542.902	544.763	544.350
11.0	534.013	537.527	540.421	544.350	546.210
11.5	536.907	537.114	539.181	544.143	543.523
12.0	536.080	535.666	538.768	543.936	542.696
12.5	535.460	534.013	538.768	542.489	541.248
13.0	530.705	532.772	536.493	542.489	542.696
13.5	530.084	531.532	536.493	540.008	544.350
14.0	528.844	531.325	535.666	538.768	542.902
14.5	528.431	529.257	532.979	539.388	539.595
15.0	525.329	526.570	532.152	537.941	539.801
15.5	525.536	523.882	530.498	536.907	535.873
16.0	521.815	522.435	530.291	536.493	540.421
16.5	521.608	520.988	528.431	535.873	537.114
17.0	519.334	519.334	527.190	533.599	537.734
17.5	516.853	517.266	525.329	532.565	535.873
18.0	512.718	514.992	524.089	532.565	534.219
18.5	513.132	514.992	523.055	530.705	530.911
19.0	509.824	510.237	519.747	530.291	531.325
19.5	508.377	509.617	519.334	529.051	530.084
20.0	504.242	507.963	516.646	528.224	527.810
20.5	504.862	505.069	516.233	526.983	527.810
21.0	497.006	502.795	513.338	526.983	527.810
21.5	497.213	501.347	512.098	524.089	525.950
22.0	496.592	498.660	509.617	522.642	526.363
22.5	493.698	496.179	507.963	521.608	522.642
23.0	489.563	494.318	508.170	521.195	524.502
23.5	488.736	492.044	504.655	519.334	523.675
24.0	485.842	489.150	503.622	517.060	522.022
24.5	481.294	486.876	501.347	516.026	519.127
25.0	479.226	484.188	499.280	513.338	518.093
25.5	476.952	481.707	497.006	513.132	516.646
26.0	473.851	479.019	494.732	511.891	516.646
26.5	470.543	476.332	492.044	509.410	514.165

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR2XG-L17-827-CA-DIM-UNV (A ONLY).IES****CANDELA TABULATION - (Cont.)**

27.0	468.682	474.058	492.044	507.756	512.718
27.5	465.168	470.750	488.116	506.929	513.959
28.0	461.033	467.649	484.188	505.482	509.204
28.5	459.379	465.168	483.981	503.622	508.377
29.0	456.071	462.894	480.467	502.588	509.204
29.5	453.383	459.792	479.019	499.073	505.482
30.0	450.076	456.278	476.952	499.073	506.309
30.5	446.354	454.417	475.298	496.799	505.275
31.0	444.287	450.696	472.817	495.145	501.554
31.5	440.152	448.008	469.303	493.491	501.554
32.0	437.878	445.114	466.822	491.631	500.520
32.5	433.330	442.013	464.341	490.597	499.073
33.0	431.262	438.705	463.100	488.116	496.386
33.5	427.334	435.397	459.172	484.808	494.111
34.0	423.613	432.089	457.518	485.428	493.078
34.5	420.305	428.988	454.624	481.914	491.631
35.0	416.584	425.680	452.350	480.880	491.010
35.5	413.482	421.752	449.662	477.986	487.702
36.0	409.761	419.064	447.181	476.125	487.289
36.5	406.040	415.757	444.494	474.264	483.981
37.0	402.525	412.655	441.392	471.370	482.120
37.5	398.390	408.934	438.705	470.336	482.741
38.0	393.842	405.833	436.431	467.028	479.019
38.5	391.568	402.112	433.330	465.995	477.572
39.0	387.226	399.011	430.228	462.894	475.505
39.5	383.091	394.669	427.541	461.446	473.644
40.0	379.577	391.775	424.646	458.965	471.577
40.5	375.649	387.846	421.339	455.864	469.923
41.0	372.134	384.745	418.651	453.590	465.995
41.5	367.999	381.231	415.757	451.316	463.307
42.0	363.658	377.509	412.449	447.801	461.033
42.5	359.936	373.581	409.141	445.321	458.345
43.0	355.802	370.273	406.453	443.046	457.518
43.5	352.080	366.139	402.732	440.152	455.244
44.0	348.152	362.624	399.837	437.051	452.143
44.5	344.224	358.903	396.943	434.983	450.489
45.0	340.296	355.181	393.635	431.882	447.595
45.5	336.161	351.047	390.534	429.815	443.873
46.0	331.613	347.532	387.020	426.714	441.806
46.5	327.478	343.397	383.918	423.199	438.912
47.0	324.377	339.469	380.611	420.305	435.810
47.5	319.415	335.334	377.096	417.410	433.330
48.0	315.901	331.613	373.375	414.103	429.608
48.5	311.766	327.892	369.860	410.381	426.094
49.0	307.631	323.963	366.966	408.107	422.992
49.5	302.462	319.829	363.244	403.972	420.718
50.0	298.948	316.314	359.936	400.871	416.997
50.5	294.399	311.972	356.008	397.770	413.482
51.0	290.058	307.838	352.287	393.635	409.554
51.5	285.510	303.910	348.566	389.500	406.040
52.0	281.582	299.568	344.638	387.020	402.318
52.5	277.447	295.433	340.916	383.298	398.597
53.0	272.485	291.298	337.195	378.336	394.669
53.5	268.350	287.370	333.474	375.235	391.568
54.0	264.009	283.235	329.545	370.894	386.813
54.5	259.253	279.101	325.204	366.966	382.885

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR2XG-L17-827-CA-DIM-UNV (A ONLY).IES****CANDELA TABULATION - (Cont.)**

55.0	255.739	274.552	321.483	362.211	378.750
55.5	251.397	270.417	317.141	358.282	374.408
56.0	247.056	266.283	313.213	354.354	370.273
56.5	242.507	262.355	308.871	349.806	366.139
57.0	237.959	258.220	304.737	345.465	361.177
57.5	233.618	254.085	300.602	340.709	356.008
58.0	229.069	249.950	296.053	336.161	350.633
58.5	224.314	245.609	291.919	331.820	345.671
59.0	219.973	241.267	287.784	326.858	340.709
59.5	215.424	236.719	283.442	322.103	335.748
60.0	210.876	232.377	278.687	317.141	330.166
60.5	206.328	227.829	274.139	311.766	324.790
61.0	201.676	223.280	269.591	306.184	319.208
61.5	197.066	218.939	264.629	301.015	313.626
62.0	192.435	214.391	260.287	295.640	307.217
62.5	187.742	209.636	255.946	289.851	300.808
63.0	183.152	205.253	251.397	284.476	294.813
63.5	178.397	200.601	246.642	278.480	289.024
64.0	173.642	195.991	241.474	272.485	282.408
64.5	168.846	191.318	236.512	266.489	276.000
65.0	164.173	186.667	231.343	260.287	269.384
65.5	159.397	182.077	226.382	254.912	262.355
66.0	154.622	177.405	221.006	248.710	256.566
66.5	149.805	172.794	215.838	242.094	249.743
67.0	145.029	168.060	210.463	235.685	242.714
67.5	140.398	163.388	204.881	228.656	235.892
68.0	135.602	158.674	199.154	222.040	228.863
68.5	130.805	153.939	193.572	215.424	221.627
69.0	126.091	149.267	187.762	208.395	214.184
69.5	121.440	144.512	182.160	201.635	206.576
70.0	116.891	139.860	176.309	194.523	199.340
70.5	112.322	135.105	170.334	187.308	192.021
71.0	107.671	130.392	164.359	180.278	184.785
71.5	103.247	125.678	158.198	173.394	177.467
72.0	98.678	120.964	152.162	166.406	170.065
72.5	94.253	116.292	145.959	159.315	162.685
73.0	89.953	111.682	139.798	152.203	155.201
73.5	85.612	106.989	133.596	144.988	147.799
74.0	81.332	102.337	127.415	137.752	140.501
74.5	77.176	97.747	121.130	130.764	133.141
75.0	72.938	93.116	114.948	123.817	125.699
75.5	68.783	88.547	108.767	116.829	118.235
76.0	64.689	83.999	102.688	109.759	110.607
76.5	60.658	79.471	96.589	102.647	102.957
77.0	56.812	74.985	90.573	95.494	95.473
77.5	52.946	70.581	84.598	88.485	88.175
78.0	49.225	66.116	78.727	81.539	80.732
78.5	45.524	61.671	72.876	74.654	73.248
79.0	41.906	57.288	67.129	67.749	65.496
79.5	38.454	52.967	61.506	60.761	57.991
80.0	35.146	48.708	55.986	53.815	50.714
80.5	31.921	44.532	50.507	47.013	43.746
81.0	28.840	40.418	45.152	40.501	37.048
81.5	25.863	36.407	39.901	34.298	30.825
82.0	23.072	32.541	34.795	28.468	25.057
82.5	20.426	28.861	29.812	23.155	20.219

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2XG-L17-827-CA-DIM-UNV (A ONLY).IES

CANDELA TABULATION - (Cont.)

83.0	17.945	25.284	25.036	18.586	16.167
83.5	15.630	21.935	20.529	14.823	13.045
84.0	13.480	18.793	16.415	11.867	10.626
84.5	11.453	15.816	12.797	9.593	8.683
85.0	9.613	13.066	9.841	7.732	7.174
85.5	7.939	10.502	7.505	6.285	5.954
86.0	6.430	8.208	5.727	5.127	4.962
86.5	5.127	6.161	4.404	4.218	4.155
87.0	3.969	4.466	3.411	3.473	3.432
87.5	2.977	3.122	2.708	2.812	2.832
88.0	2.191	2.171	2.109	2.253	2.274
88.5	1.551	1.509	1.633	1.757	1.799
89.0	1.075	1.054	1.220	1.323	1.364
89.5	0.724	0.744	0.889	0.951	0.930
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
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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-L17-827-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	202.59	N.A.	12.20
0-30	432.78	N.A.	26.10
0-40	716.30	N.A.	43.30
0-60	1304.61	N.A.	78.80
0-80	1639.02	N.A.	99.00
0-90	1655.73	N.A.	100.00
10-90	1603.46	N.A.	96.80
20-40	513.71	N.A.	31.00
20-50	817.29	N.A.	49.40
40-70	808.83	N.A.	48.90
60-80	334.41	N.A.	20.20
70-80	113.89	N.A.	6.90
80-90	16.71	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	1655.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	52.26
10-20	150.33
20-30	230.19
30-40	283.52
40-50	303.58
50-60	284.73
60-70	220.53
70-80	113.89
80-90	16.71
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-L17-827-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

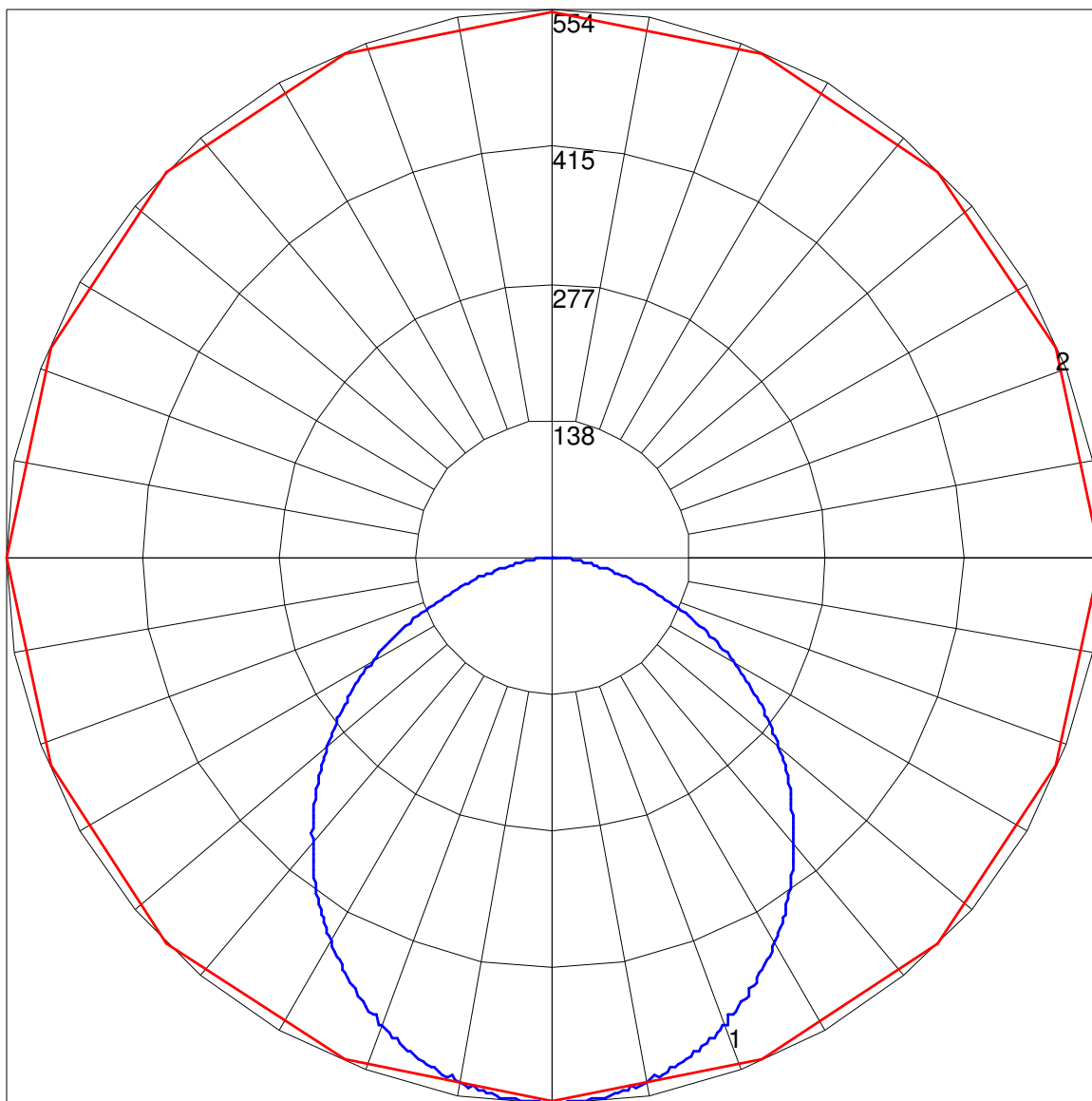
IES INDOOR REPORT
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UGR TABLE - CORRECTED

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	13.6	15.2	14.0	15.6	15.9	15.8	17.5	16.2	17.8	18.1
	3H	15.2	16.7	15.5	17.0	17.3	17.7	19.2	18.1	19.5	19.9
	4H	15.6	17.1	16.0	17.4	17.8	18.3	19.7	18.7	20.0	20.4
	6H	15.9	17.2	16.3	17.6	18.0	18.5	19.8	18.9	20.2	20.6
	8H	16.0	17.2	16.4	17.6	18.0	18.5	19.8	19.0	20.2	20.6
	12H	16.0	17.2	16.4	17.5	18.0	18.5	19.7	19.0	20.1	20.5
4H	2H	14.6	16.0	15.0	16.4	16.7	16.3	17.7	16.7	18.1	18.4
	3H	16.4	17.6	16.8	18.0	18.4	18.4	19.6	18.8	20.0	20.4
	4H	17.0	18.0	17.4	18.4	18.9	19.1	20.2	19.5	20.6	21.0
	6H	17.3	18.3	17.8	18.7	19.2	19.5	20.4	19.9	20.8	21.3
	8H	17.4	18.3	17.8	18.7	19.2	19.5	20.4	19.9	20.8	21.3
	12H	17.4	18.2	17.9	18.7	19.1	19.5	20.3	20.0	20.7	21.2
8H	4H	17.4	18.3	17.9	18.7	19.2	19.3	20.2	19.8	20.6	21.1
	6H	17.8	18.6	18.3	19.1	19.5	19.7	20.4	20.2	20.9	21.4
	8H	18.0	18.6	18.5	19.1	19.6	19.8	20.4	20.3	20.9	21.4
	12H	18.0	18.6	18.5	19.1	19.6	19.8	20.3	20.3	20.8	21.4
12H	4H	17.4	18.2	17.9	18.7	19.2	19.3	20.1	19.8	20.6	21.0
	6H	17.9	18.6	18.4	19.0	19.6	19.7	20.4	20.3	20.8	21.4
	8H	18.0	18.6	18.5	19.1	19.7	19.8	20.4	20.3	20.8	21.4

Maximum UGR = 21.4

POLAR GRAPH



Maximum Candela = 553.86 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.)