

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L17-830-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-L17-830-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	1690
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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	1725	1995	2269
55	1598	2009	2367
65	1392	1962	2284
75	1010	1592	1741
85	395	405	295

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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	563.380	563.380	563.380	563.380	563.380
0.5	563.169	562.958	563.591	564.646	560.637
1.0	565.279	562.114	564.013	563.380	563.169
1.5	563.591	561.270	563.591	562.958	561.270
2.0	563.169	560.637	561.692	565.279	562.958
2.5	563.380	560.215	561.692	564.435	560.004
3.0	562.747	561.270	562.536	563.169	561.692
3.5	563.380	561.481	560.426	563.169	562.536
4.0	560.637	559.582	562.325	562.536	561.692
4.5	561.059	559.793	560.004	562.114	559.371
5.0	561.270	560.215	560.637	560.426	561.692
5.5	561.481	558.949	560.215	563.380	561.481
6.0	560.004	559.160	558.949	561.481	560.848
6.5	557.894	557.683	560.004	561.903	560.637
7.0	558.949	557.472	559.160	561.903	557.683
7.5	557.261	556.206	557.472	560.215	558.527
8.0	556.839	554.940	558.105	560.004	558.316
8.5	553.674	554.518	556.839	558.105	557.894
9.0	554.729	554.096	556.839	558.316	558.105
9.5	554.729	553.041	554.729	559.160	557.050
10.0	552.197	552.408	553.885	556.628	558.316
10.5	549.243	551.353	554.096	555.995	555.573
11.0	545.023	548.610	551.564	555.573	557.472
11.5	547.977	548.188	550.298	555.362	554.729
12.0	547.133	546.711	549.876	555.151	553.885
12.5	546.500	545.023	549.876	553.674	552.408
13.0	541.647	543.757	547.555	553.674	553.885
13.5	541.014	542.491	547.555	551.142	555.573
14.0	539.748	542.280	546.711	549.876	554.096
14.5	539.326	540.170	543.968	550.509	550.720
15.0	536.161	537.427	543.124	549.032	550.931
15.5	536.372	534.684	541.436	547.977	546.922
16.0	532.574	533.207	541.225	547.555	551.564
16.5	532.363	531.730	539.326	546.922	548.188
17.0	530.042	530.042	538.060	544.601	548.821
17.5	527.510	527.932	536.161	543.546	546.922
18.0	523.290	525.611	534.895	543.546	545.234
18.5	523.712	525.611	533.840	541.647	541.858
19.0	520.336	520.758	530.464	541.225	542.280
19.5	518.859	520.125	530.042	539.959	541.014
20.0	514.639	518.437	527.299	539.115	538.693
20.5	515.272	515.483	526.877	537.849	538.693
21.0	507.253	513.161	523.923	537.849	538.693
21.5	507.464	511.684	522.657	534.895	536.794
22.0	506.831	508.941	520.125	533.418	537.216
22.5	503.877	506.409	518.437	532.363	533.418
23.0	499.657	504.510	518.648	531.941	535.317
23.5	498.813	502.189	515.061	530.042	534.473
24.0	495.859	499.235	514.005	527.721	532.785
24.5	491.217	496.914	511.684	526.666	529.831
25.0	489.107	494.171	509.574	523.923	528.776
25.5	486.786	491.639	507.253	523.712	527.299
26.0	483.621	488.896	504.932	522.446	527.299
26.5	480.245	486.153	502.189	519.914	524.767

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CANDELA TABULATION - (Cont.)

27.0	478.346	483.832	502.189	518.226	523.290
27.5	474.759	480.456	498.180	517.382	524.556
28.0	470.539	477.291	494.171	515.905	519.703
28.5	468.851	474.759	493.960	514.005	518.859
29.0	465.475	472.438	490.373	512.950	519.703
29.5	462.732	469.273	488.896	509.363	515.905
30.0	459.355	465.686	486.786	509.363	516.749
30.5	455.557	463.787	485.098	507.042	515.694
31.0	453.447	459.989	482.566	505.354	511.895
31.5	449.227	457.245	478.979	503.666	511.895
32.0	446.906	454.291	476.447	501.767	510.840
32.5	442.264	451.126	473.915	500.712	509.363
33.0	440.154	447.750	472.649	498.180	506.620
33.5	436.145	444.374	468.640	494.804	504.299
34.0	432.347	440.998	466.952	495.437	503.244
34.5	428.971	437.833	463.998	491.850	501.767
35.0	425.173	434.457	461.677	490.795	501.134
35.5	422.008	430.448	458.933	487.841	497.758
36.0	418.210	427.705	456.401	485.942	497.336
36.5	414.412	424.329	453.658	484.043	493.960
37.0	410.825	421.164	450.493	481.089	492.061
37.5	406.605	417.366	447.750	480.034	492.694
38.0	401.962	414.201	445.429	476.658	488.896
38.5	399.641	410.403	442.264	475.603	487.419
39.0	395.210	407.238	439.099	472.438	485.309
39.5	390.990	402.806	436.356	470.961	483.410
40.0	387.403	399.852	433.402	468.429	481.300
40.5	383.394	395.843	430.026	465.264	479.612
41.0	379.807	392.678	427.283	462.943	475.603
41.5	375.587	389.091	424.329	460.622	472.860
42.0	371.156	385.293	420.953	457.034	470.539
42.5	367.358	381.284	417.577	454.502	467.796
43.0	363.138	377.908	414.834	452.181	466.952
43.5	359.340	373.688	411.036	449.227	464.631
44.0	355.331	370.101	408.082	446.062	461.466
44.5	351.321	366.303	405.127	443.952	459.777
45.0	347.312	362.505	401.751	440.787	456.823
45.5	343.092	358.285	398.586	438.677	453.025
46.0	338.450	354.698	394.999	435.512	450.915
46.5	334.230	350.477	391.834	431.925	447.961
47.0	331.065	346.468	388.458	428.971	444.796
47.5	326.001	342.248	384.871	426.017	442.264
48.0	322.414	338.450	381.073	422.641	438.466
48.5	318.194	334.652	377.486	418.843	434.879
49.0	313.974	330.643	374.532	416.522	431.714
49.5	308.699	326.423	370.734	412.302	429.393
50.0	305.112	322.836	367.358	409.137	425.595
50.5	300.470	318.405	363.349	405.972	422.008
51.0	296.038	314.185	359.551	401.751	417.999
51.5	291.396	310.176	355.753	397.531	414.412
52.0	287.387	305.745	351.744	394.999	410.614
52.5	283.167	301.525	347.945	391.201	406.816
53.0	278.103	297.304	344.147	386.137	402.806
53.5	273.883	293.295	340.349	382.972	399.641
54.0	269.452	289.075	336.340	378.541	394.788
54.5	264.599	284.855	331.909	374.532	390.779

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55.0	261.012	280.213	328.111	369.679	386.559
55.5	256.581	275.993	323.680	365.670	382.128
56.0	252.150	271.773	319.671	361.661	377.908
56.5	247.508	267.764	315.240	357.019	373.688
57.0	242.865	263.544	311.020	352.588	368.624
57.5	238.434	259.324	306.800	347.734	363.349
58.0	233.792	255.104	302.158	343.092	357.863
58.5	228.939	250.673	297.938	338.661	352.799
59.0	224.508	246.242	293.717	333.597	347.734
59.5	219.866	241.599	289.286	328.744	342.670
60.0	215.224	237.168	284.433	323.680	336.973
60.5	210.582	232.526	279.791	318.194	331.487
61.0	205.834	227.884	275.149	312.497	325.790
61.5	201.129	223.453	270.085	307.222	320.093
62.0	196.402	218.811	265.654	301.736	313.552
62.5	191.613	213.958	261.223	295.827	307.011
63.0	186.928	209.485	256.581	290.341	300.892
63.5	182.075	204.737	251.728	284.222	294.983
64.0	177.222	200.032	246.453	278.103	288.231
64.5	172.327	195.263	241.388	271.984	281.690
65.0	167.558	190.515	236.113	265.654	274.938
65.5	162.684	185.831	231.049	260.168	267.764
66.0	157.810	181.062	225.563	253.838	261.856
66.5	152.893	176.357	220.288	247.086	254.893
67.0	148.019	171.525	214.802	240.544	247.719
67.5	143.293	166.756	209.105	233.370	240.755
68.0	138.397	161.945	203.260	226.618	233.581
68.5	133.502	157.114	197.563	219.866	226.196
69.0	128.691	152.345	191.634	212.692	218.600
69.5	123.944	147.492	185.916	205.792	210.835
70.0	119.302	142.744	179.944	198.534	203.450
70.5	114.638	137.891	173.846	191.170	195.980
71.0	109.891	133.080	167.748	183.995	188.595
71.5	105.375	128.269	161.460	176.969	181.126
72.0	100.712	123.458	155.299	169.837	173.572
72.5	96.197	118.690	148.969	162.600	166.039
73.0	91.808	113.984	142.681	155.341	158.401
73.5	87.377	109.195	136.351	147.977	150.847
74.0	83.009	104.447	130.042	140.592	143.398
74.5	78.768	99.763	123.627	133.460	135.887
75.0	74.442	95.036	117.318	126.370	128.290
75.5	70.201	90.373	111.009	119.238	120.673
76.0	66.023	85.731	104.806	112.022	112.887
76.5	61.909	81.110	98.581	104.763	105.080
77.0	57.984	76.531	92.441	97.463	97.442
77.5	54.038	72.037	86.343	90.310	89.993
78.0	50.240	67.479	80.350	83.220	82.397
78.5	46.463	62.942	74.379	76.194	74.759
79.0	42.770	58.469	68.513	69.146	66.846
79.5	39.247	54.059	62.774	62.014	59.187
80.0	35.871	49.713	57.140	54.924	51.759
80.5	32.579	45.450	51.548	47.982	44.648
81.0	29.435	41.251	46.083	41.336	37.812
81.5	26.397	37.158	40.724	35.006	31.461
82.0	23.548	33.212	35.512	29.055	25.574
82.5	20.847	29.456	30.427	23.632	20.636

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CANDELA TABULATION - (Cont.)

83.0	18.315	25.806	25.553	18.969	16.501
83.5	15.952	22.388	20.953	15.129	13.314
84.0	13.757	19.180	16.754	12.112	10.846
84.5	11.690	16.142	13.061	9.791	8.862
85.0	9.812	13.335	10.044	7.892	7.322
85.5	8.103	10.719	7.659	6.415	6.077
86.0	6.562	8.377	5.845	5.233	5.064
86.5	5.233	6.288	4.494	4.304	4.241
87.0	4.051	4.558	3.482	3.545	3.503
87.5	3.038	3.186	2.764	2.870	2.891
88.0	2.237	2.216	2.152	2.300	2.321
88.5	1.583	1.540	1.667	1.794	1.836
89.0	1.097	1.076	1.245	1.350	1.393
89.5	0.739	0.760	0.907	0.971	0.950
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-L17-830-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	206.76	N.A.	12.20
0-30	441.70	N.A.	26.10
0-40	731.07	N.A.	43.30
0-60	1331.51	N.A.	78.80
0-80	1672.81	N.A.	99.00
0-90	1689.86	N.A.	100.00
10-90	1636.53	N.A.	96.80
20-40	524.30	N.A.	31.00
20-50	834.14	N.A.	49.40
40-70	825.51	N.A.	48.90
60-80	341.31	N.A.	20.20
70-80	116.24	N.A.	6.90
80-90	17.05	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	1689.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.34
10-20	153.43
20-30	234.94
30-40	289.36
40-50	309.84
50-60	290.60
60-70	225.07
70-80	116.24
80-90	17.05
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-L17-830-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

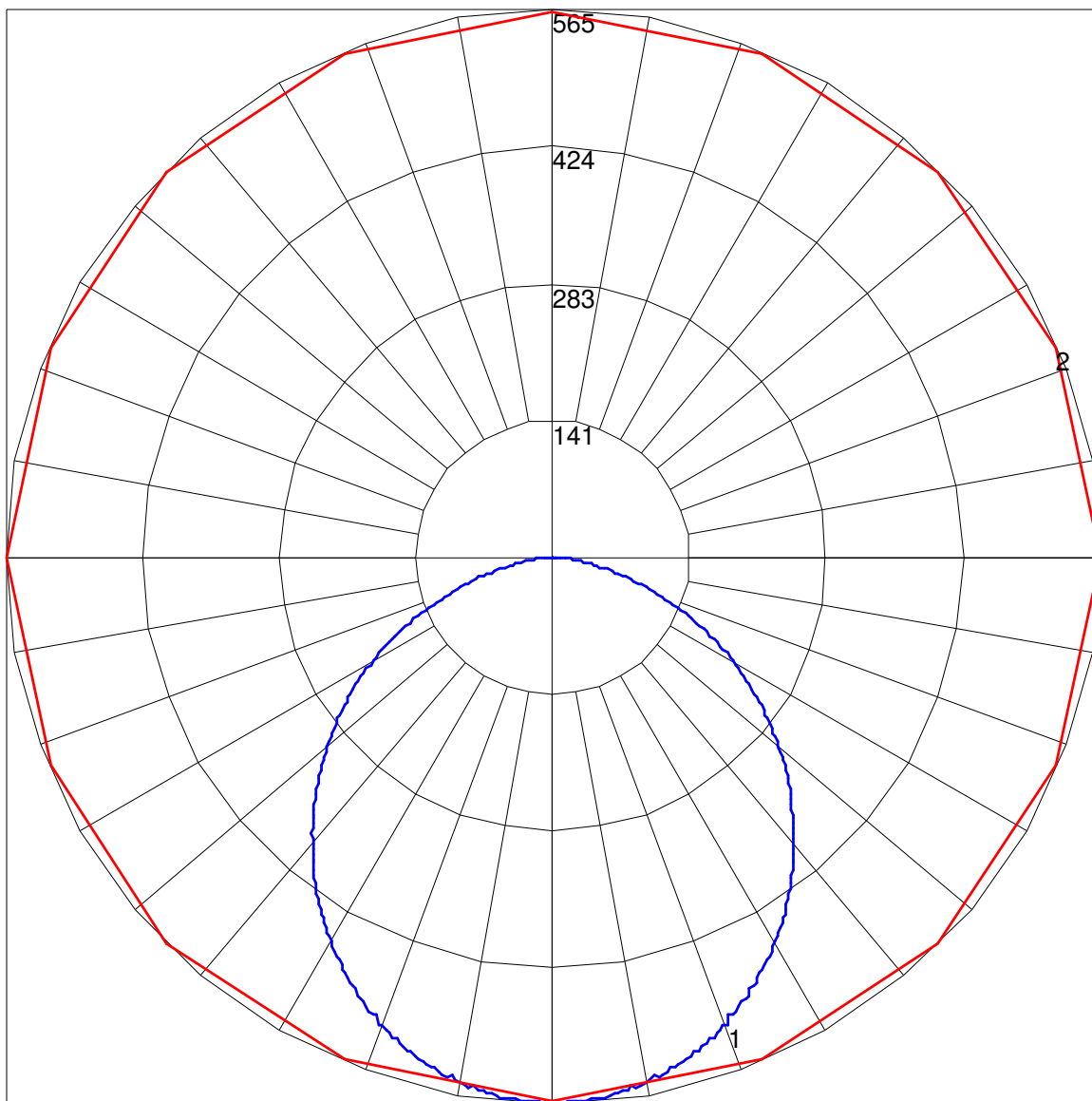
IES INDOOR REPORT
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UGR TABLE - CORRECTED

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	15.7	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	17.9	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 = 565.279 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.)