

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L17-840-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-L17-840-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	1758
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
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	1794	2076	2360
55	1662	2090	2462
65	1448	2041	2377
75	1051	1656	1811
85	411	421	307

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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	586.143	586.143	586.143	586.143	586.143
0.5	585.924	585.704	586.363	587.460	583.289
1.0	588.119	584.826	586.802	586.143	585.924
1.5	586.363	583.948	586.363	585.704	583.948
2.0	585.924	583.289	584.387	588.119	585.704
2.5	586.143	582.850	584.387	587.241	582.631
3.0	585.485	583.948	585.265	585.924	584.387
3.5	586.143	584.167	583.070	585.924	585.265
4.0	583.289	582.192	585.046	585.265	584.387
4.5	583.728	582.411	582.631	584.826	581.972
5.0	583.948	582.850	583.289	583.070	584.387
5.5	584.167	581.533	582.850	586.143	584.167
6.0	582.631	581.753	581.533	584.167	583.509
6.5	580.435	580.216	582.631	584.607	583.289
7.0	581.533	579.996	581.753	584.607	580.216
7.5	579.777	578.679	579.996	582.850	581.094
8.0	579.338	577.362	580.655	582.631	580.875
8.5	576.045	576.923	579.338	580.655	580.435
9.0	577.143	576.484	579.338	580.875	580.655
9.5	577.143	575.386	577.143	581.753	579.557
10.0	574.508	574.728	576.264	579.118	580.875
10.5	571.435	573.630	576.484	578.460	578.021
11.0	567.044	570.776	573.850	578.021	579.996
11.5	570.118	570.337	572.532	577.801	577.143
12.0	569.239	568.800	572.093	577.582	576.264
12.5	568.581	567.044	572.093	576.045	574.728
13.0	563.532	565.727	569.679	576.045	576.264
13.5	562.873	564.410	569.679	573.411	578.021
14.0	561.556	564.190	568.800	572.093	576.484
14.5	561.117	561.995	565.947	572.752	572.971
15.0	557.824	559.141	565.068	571.215	573.191
15.5	558.043	556.287	563.312	570.118	569.020
16.0	554.092	554.751	563.093	569.679	573.850
16.5	553.872	553.214	561.117	569.020	570.337
17.0	551.458	551.458	559.800	566.605	570.996
17.5	548.823	549.262	557.824	565.507	569.020
18.0	544.433	546.847	556.507	565.507	567.264
18.5	544.872	546.847	555.409	563.532	563.751
19.0	541.359	541.798	551.897	563.093	564.190
19.5	539.823	541.140	551.458	561.775	562.873
20.0	535.432	539.383	548.604	560.897	560.458
20.5	536.091	536.310	548.165	559.580	560.458
21.0	527.748	533.895	545.091	559.580	560.458
21.5	527.968	532.359	543.774	556.507	558.483
22.0	527.309	529.505	541.140	554.970	558.922
22.5	524.236	526.870	539.383	553.872	554.970
23.0	519.845	524.895	539.603	553.433	556.946
23.5	518.967	522.480	535.871	551.458	556.068
24.0	515.894	519.406	534.773	549.043	554.311
24.5	511.064	516.992	532.359	547.945	551.238
25.0	508.869	514.138	530.163	545.091	550.140
25.5	506.454	511.503	527.748	544.872	548.604
26.0	503.161	508.649	525.334	543.555	548.604
26.5	499.649	505.796	522.480	540.920	545.969

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR2XG-L17-840-CA-DIM-UNV (A ONLY).IES****CANDELA TABULATION - (Cont.)**

27.0	497.673	503.381	522.480	539.164	544.433
27.5	493.941	499.868	518.309	538.286	545.750
28.0	489.550	496.575	514.138	536.749	540.701
28.5	487.794	493.941	513.918	534.773	539.823
29.0	484.282	491.526	510.186	533.676	540.701
29.5	481.428	488.233	508.649	529.944	536.749
30.0	477.915	484.501	506.454	529.944	537.627
30.5	473.964	482.525	504.698	527.529	536.530
31.0	471.768	478.574	502.064	525.773	532.578
31.5	467.378	475.720	498.332	524.016	532.578
32.0	464.963	472.647	495.697	522.041	531.480
32.5	460.133	469.354	493.063	520.943	529.944
33.0	457.938	465.841	491.746	518.309	527.090
33.5	453.767	462.329	487.575	514.796	524.675
34.0	449.816	458.816	485.818	515.455	523.577
34.5	446.303	455.523	482.745	511.723	522.041
35.0	442.352	452.011	480.330	510.625	521.382
35.5	439.059	447.840	477.476	507.552	517.870
36.0	435.107	444.986	474.842	505.576	517.431
36.5	431.156	441.473	471.988	503.600	513.918
37.0	427.424	438.180	468.695	500.527	511.942
37.5	423.033	434.229	465.841	499.429	512.601
38.0	418.203	430.936	463.426	495.917	508.649
38.5	415.788	426.984	460.133	494.819	507.113
39.0	411.178	423.692	456.840	491.526	504.917
39.5	406.788	419.081	453.987	489.989	502.942
40.0	403.056	416.008	450.913	487.355	500.746
40.5	398.885	411.837	447.401	484.062	498.990
41.0	395.153	408.544	444.547	481.647	494.819
41.5	390.762	404.812	441.473	479.232	491.965
42.0	386.152	400.861	437.961	475.500	489.550
42.5	382.201	396.689	434.448	472.866	486.696
43.0	377.810	393.177	431.595	470.451	485.818
43.5	373.858	388.786	427.643	467.378	483.404
44.0	369.687	385.054	424.570	464.085	480.111
44.5	365.516	381.103	421.496	461.890	478.354
45.0	361.345	377.151	417.984	458.597	475.281
45.5	356.955	372.761	414.691	456.401	471.329
46.0	352.125	369.029	410.959	453.108	469.134
46.5	347.734	364.638	407.666	449.376	466.061
47.0	344.441	360.467	404.153	446.303	462.768
47.5	339.173	356.077	400.421	443.230	460.133
48.0	335.441	352.125	396.470	439.717	456.182
48.5	331.050	348.173	392.738	435.766	452.450
49.0	326.660	344.002	389.665	433.351	449.157
49.5	321.171	339.612	385.713	428.960	446.742
50.0	317.439	335.880	382.201	425.667	442.791
50.5	312.610	331.270	378.029	422.374	439.059
51.0	308.000	326.879	374.078	417.984	434.888
51.5	303.170	322.708	370.126	413.593	431.156
52.0	298.999	318.098	365.955	410.959	427.204
52.5	294.608	313.707	362.004	407.007	423.252
53.0	289.340	309.317	358.052	401.739	419.081
53.5	284.949	305.146	354.101	398.446	415.788
54.0	280.339	300.755	349.930	393.836	410.739
54.5	275.290	296.365	345.320	389.665	406.568

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CANDELA TABULATION - (Cont.)

55.0	271.558	291.535	341.368	384.615	402.178
55.5	266.948	287.144	336.758	380.444	397.568
56.0	262.338	282.754	332.587	376.273	393.177
56.5	257.508	278.583	327.977	371.444	388.786
57.0	252.678	274.192	323.586	366.833	383.518
57.5	248.068	269.802	319.196	361.784	378.029
58.0	243.238	265.411	314.366	356.955	372.322
58.5	238.189	260.801	309.975	352.345	367.053
59.0	233.579	256.191	305.585	347.076	361.784
59.5	228.750	251.361	300.975	342.027	356.516
60.0	223.920	246.751	295.925	336.758	350.588
60.5	219.090	241.921	291.096	331.050	344.881
61.0	214.151	237.092	286.266	325.123	338.953
61.5	209.255	232.482	280.998	319.635	333.026
62.0	204.338	227.652	276.387	313.927	326.221
62.5	199.355	222.603	271.777	307.780	319.415
63.0	194.481	217.949	266.948	302.072	313.049
63.5	189.432	213.009	261.898	295.706	306.902
64.0	184.383	208.114	256.410	289.340	299.877
64.5	179.290	203.152	251.142	282.973	293.072
65.0	174.328	198.213	245.653	276.387	286.047
65.5	169.257	193.339	240.385	270.680	278.583
66.0	164.186	188.378	234.677	264.094	272.436
66.5	159.071	183.483	229.189	257.069	265.191
67.0	154.000	178.455	223.481	250.263	257.727
67.5	149.082	173.494	217.554	242.799	250.483
68.0	143.989	168.489	211.473	235.774	243.019
68.5	138.896	163.462	205.545	228.750	235.335
69.0	133.891	158.500	199.377	221.286	227.432
69.5	128.952	153.451	193.427	214.107	219.354
70.0	124.122	148.512	187.215	206.555	211.670
70.5	119.270	143.462	180.870	198.894	203.899
71.0	114.331	138.457	174.526	191.430	196.215
71.5	109.633	133.452	167.984	184.119	188.444
72.0	104.781	128.447	161.574	176.699	180.585
72.5	100.083	123.485	154.988	169.169	172.748
73.0	95.517	118.590	148.446	161.617	164.801
73.5	90.907	113.606	141.860	153.956	156.941
74.0	86.363	108.667	135.296	146.272	149.192
74.5	81.950	103.793	128.622	138.852	141.377
75.0	77.450	98.876	122.058	131.476	133.474
75.5	73.037	94.024	115.494	124.056	125.549
76.0	68.691	89.195	109.040	116.548	117.448
76.5	64.410	84.387	102.564	108.996	109.326
77.0	60.327	79.623	96.176	101.401	101.379
77.5	56.221	74.947	89.831	93.959	93.629
78.0	52.270	70.205	83.597	86.582	85.726
78.5	48.340	65.486	77.384	79.272	77.779
79.0	44.499	60.832	71.281	71.940	69.547
79.5	40.832	56.243	65.310	64.520	61.578
80.0	37.320	51.721	59.449	57.143	53.851
80.5	33.895	47.287	53.631	49.921	46.452
81.0	30.624	42.918	47.945	43.006	39.340
81.5	27.463	38.659	42.369	36.420	32.732
82.0	24.499	34.554	36.947	30.229	26.607
82.5	21.689	30.646	31.656	24.587	21.470

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CANDELA TABULATION - (Cont.)

83.0	19.055	26.848	26.585	19.736	17.167
83.5	16.596	23.292	21.799	15.740	13.852
84.0	14.313	19.955	17.431	12.601	11.284
84.5	12.162	16.794	13.589	10.186	9.220
85.0	10.208	13.874	10.450	8.210	7.618
85.5	8.430	11.152	7.969	6.674	6.322
86.0	6.827	8.715	6.081	5.444	5.269
86.5	5.444	6.542	4.676	4.478	4.413
87.0	4.215	4.742	3.622	3.688	3.644
87.5	3.161	3.315	2.876	2.986	3.008
88.0	2.327	2.305	2.239	2.393	2.415
88.5	1.646	1.603	1.734	1.866	1.910
89.0	1.142	1.120	1.295	1.405	1.449
89.5	0.768	0.790	0.944	1.010	0.988
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-L17-840-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	215.12	N.A.	12.20
0-30	459.55	N.A.	26.10
0-40	760.61	N.A.	43.30
0-60	1385.3	N.A.	78.80
0-80	1740.4	N.A.	99.00
0-90	1758.14	N.A.	100.00
10-90	1702.65	N.A.	96.80
20-40	545.49	N.A.	31.00
20-50	867.84	N.A.	49.40
40-70	858.87	N.A.	48.90
60-80	355.10	N.A.	20.20
70-80	120.93	N.A.	6.90
80-90	17.74	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	1758.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.49
10-20	159.62
20-30	244.43
30-40	301.05
40-50	322.36
50-60	302.34
60-70	234.17
70-80	120.93
80-90	17.74
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-L17-840-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	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

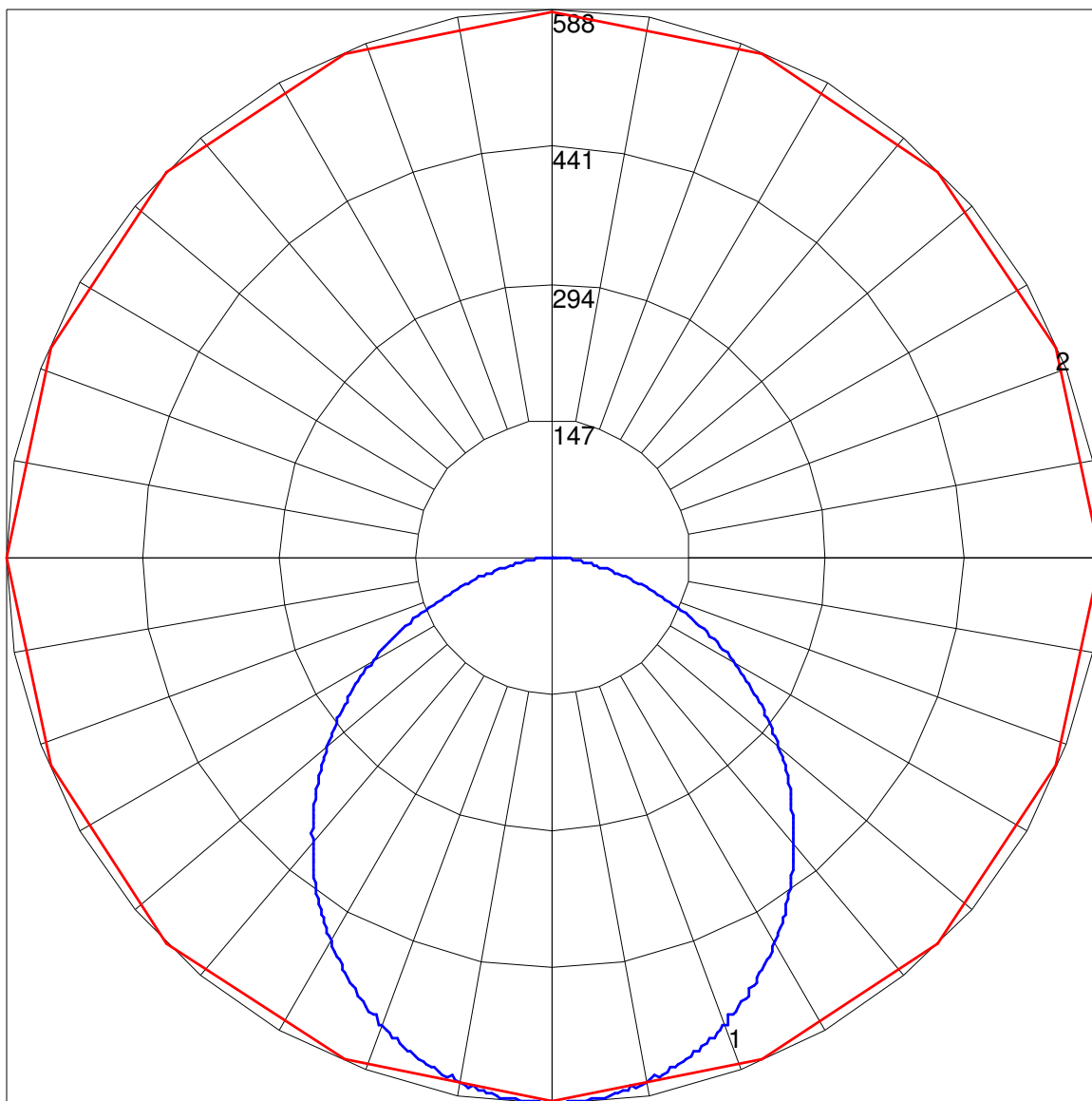
IES INDOOR REPORT
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UGR TABLE - CORRECTED

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	13.8	15.5	14.2	15.8	16.1	16.0	17.7	16.4	18.0	18.3
	3H	15.4	16.9	15.7	17.2	17.5	17.9	19.4	18.3	19.7	20.1
	4H	15.9	17.3	16.2	17.6	18.0	18.5	19.9	18.9	20.2	20.6
	6H	16.1	17.4	16.5	17.8	18.2	18.7	20.0	19.1	20.4	20.8
	8H	16.2	17.4	16.6	17.8	18.2	18.7	20.0	19.2	20.4	20.8
	12H	16.2	17.4	16.6	17.7	18.2	18.7	19.9	19.2	20.3	20.7
4H	2H	14.8	16.2	15.2	16.6	17.0	16.5	17.9	16.9	18.3	18.6
	3H	16.6	17.8	17.0	18.2	18.6	18.6	19.8	19.0	20.2	20.6
	4H	17.2	18.2	17.6	18.7	19.1	19.3	20.4	19.7	20.8	21.2
	6H	17.5	18.5	18.0	18.9	19.4	19.7	20.6	20.1	21.0	21.5
	8H	17.6	18.5	18.0	18.9	19.4	19.7	20.6	20.1	21.0	21.5
	12H	17.6	18.4	18.1	18.9	19.3	19.7	20.5	20.2	20.9	21.4
8H	4H	17.6	18.5	18.1	18.9	19.4	19.5	20.4	20.0	20.8	21.3
	6H	18.1	18.8	18.5	19.3	19.7	19.9	20.6	20.4	21.1	21.6
	8H	18.2	18.8	18.7	19.3	19.8	20.0	20.6	20.5	21.1	21.6
	12H	18.2	18.8	18.7	19.3	19.8	20.0	20.5	20.5	21.0	21.6
12H	4H	17.6	18.4	18.1	18.9	19.4	19.5	20.3	20.0	20.8	21.2
	6H	18.1	18.8	18.6	19.2	19.8	19.9	20.6	20.5	21.0	21.6
	8H	18.2	18.8	18.8	19.3	19.9	20.0	20.6	20.5	21.0	21.6

Maximum UGR = 21.6

POLAR GRAPH



Maximum Candela = 588.119 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.)