

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L17-850-CA-DIM-UNV (A ONLY).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155668.03

[TESTLAB] UL, LLC

[ISSUEDATE] 2026-08-07

[TESTDATE] 3/17/2026

[MANUFAC] H E Williams Inc

[LUMCAT] CMR2xG-L17-850-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	1809
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
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	1847	2136	2429
55	1711	2151	2534
65	1491	2101	2446
75	1081	1704	1864
85	423	433	316

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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	603.215	603.215	603.215	603.215	603.215
0.5	602.989	602.763	603.441	604.571	600.278
1.0	605.249	601.860	603.893	603.215	602.989
1.5	603.441	600.956	603.441	602.763	600.956
2.0	602.989	600.278	601.408	605.249	602.763
2.5	603.215	599.826	601.408	604.345	599.600
3.0	602.537	600.956	602.312	602.989	601.408
3.5	603.215	601.182	600.052	602.989	602.312
4.0	600.278	599.149	602.086	602.312	601.408
4.5	600.730	599.375	599.600	601.860	598.923
5.0	600.956	599.826	600.278	600.052	601.408
5.5	601.182	598.471	599.826	603.215	601.182
6.0	599.600	598.697	598.471	601.182	600.504
6.5	597.341	597.115	599.600	601.634	600.278
7.0	598.471	596.889	598.697	601.634	597.115
7.5	596.663	595.534	596.889	599.826	598.019
8.0	596.212	594.178	597.567	599.600	597.793
8.5	592.823	593.726	596.212	597.567	597.341
9.0	593.952	593.275	596.212	597.793	597.567
9.5	593.952	592.145	593.952	598.697	596.438
10.0	591.241	591.467	593.049	595.986	597.793
10.5	588.078	590.338	593.275	595.308	594.856
11.0	583.560	587.401	590.564	594.856	596.889
11.5	586.723	586.949	589.208	594.630	593.952
12.0	585.819	585.367	588.756	594.404	593.049
12.5	585.141	583.560	588.756	592.823	591.467
13.0	579.945	582.204	586.271	592.823	593.049
13.5	579.267	580.849	586.271	590.112	594.856
14.0	577.912	580.623	585.367	588.756	593.275
14.5	577.460	578.364	582.430	589.434	589.660
15.0	574.071	575.427	581.527	587.852	589.886
15.5	574.297	572.490	579.719	586.723	585.593
16.0	570.230	570.908	579.493	586.271	590.564
16.5	570.004	569.327	577.460	585.593	586.949
17.0	567.519	567.519	576.104	583.108	587.627
17.5	564.808	565.260	574.071	581.978	585.593
18.0	560.290	562.775	572.716	581.978	583.786
18.5	560.742	562.775	571.586	579.945	580.171
19.0	557.127	557.579	567.971	579.493	580.623
19.5	555.545	556.901	567.519	578.138	579.267
20.0	551.027	555.094	564.582	577.234	576.782
20.5	551.705	551.931	564.130	575.878	576.782
21.0	543.120	549.445	560.968	575.878	576.782
21.5	543.346	547.864	559.612	572.716	574.749
22.0	542.668	544.927	556.901	571.134	575.201
22.5	539.505	542.216	555.094	570.004	571.134
23.0	534.986	540.183	555.319	569.553	573.167
23.5	534.083	537.697	551.479	567.519	572.264
24.0	530.920	534.535	550.349	565.034	570.456
24.5	525.949	532.049	547.864	563.905	567.293
25.0	523.690	529.112	545.605	560.968	566.164
25.5	521.205	526.401	543.120	560.742	564.582
26.0	517.816	523.464	540.634	559.386	564.582
26.5	514.201	520.527	537.697	556.675	561.871

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27.0	512.168	518.042	537.697	554.868	560.290
27.5	508.327	514.427	533.405	553.964	561.645
28.0	503.809	511.039	529.112	552.382	556.449
28.5	502.002	508.327	528.886	550.349	555.545
29.0	498.387	505.842	525.046	549.220	556.449
29.5	495.450	502.453	523.464	545.379	552.382
30.0	491.835	498.613	521.205	545.379	553.286
30.5	487.768	496.579	519.398	542.894	552.157
31.0	485.509	492.513	516.687	541.086	548.090
31.5	480.991	489.576	512.846	539.279	548.090
32.0	478.506	486.413	510.135	537.246	546.960
32.5	473.535	483.024	507.424	536.116	545.379
33.0	471.276	479.409	506.068	533.405	542.442
33.5	466.983	475.794	501.776	529.790	539.957
34.0	462.917	472.180	499.968	530.468	538.827
34.5	459.302	468.791	496.805	526.627	537.246
35.0	455.235	465.176	494.320	525.498	536.568
35.5	451.847	460.884	491.383	522.335	532.953
36.0	447.780	457.947	488.672	520.301	532.501
36.5	443.713	454.332	485.735	518.268	528.886
37.0	439.873	450.943	482.346	515.105	526.853
37.5	435.354	446.876	479.409	513.976	527.531
38.0	430.384	443.487	476.924	510.361	523.464
38.5	427.899	439.421	473.535	509.231	521.883
39.0	423.154	436.032	470.146	505.842	519.624
39.5	418.636	431.288	467.209	504.261	517.590
40.0	414.795	428.125	464.046	501.550	515.331
40.5	410.503	423.832	460.432	498.161	513.524
41.0	406.662	420.443	457.495	495.676	509.231
41.5	402.143	416.603	454.332	493.191	506.294
42.0	397.399	412.536	450.717	489.350	503.809
42.5	393.332	408.243	447.102	486.639	500.872
43.0	388.814	404.629	444.165	484.154	499.968
43.5	384.747	400.110	440.099	480.991	497.483
44.0	380.455	396.269	436.936	477.602	494.094
44.5	376.162	392.203	433.773	475.343	492.287
45.0	371.870	388.136	430.158	471.954	489.124
45.5	367.351	383.618	426.769	469.695	485.057
46.0	362.381	379.777	422.928	466.306	482.798
46.5	357.863	375.259	419.540	462.465	479.635
47.0	354.474	370.966	415.925	459.302	476.246
47.5	349.051	366.448	412.084	456.139	473.535
48.0	345.211	362.381	408.017	452.524	469.469
48.5	340.692	358.314	404.177	448.458	465.628
49.0	336.174	354.022	401.014	445.973	462.239
49.5	330.526	349.503	396.947	441.454	459.754
50.0	326.685	345.663	393.332	438.065	455.687
50.5	321.715	340.918	389.040	434.676	451.847
51.0	316.970	336.400	384.973	430.158	447.554
51.5	312.000	332.107	380.907	425.639	443.713
52.0	307.708	327.363	376.614	422.928	439.647
52.5	303.189	322.844	372.548	418.862	435.580
53.0	297.767	318.326	368.481	413.440	431.288
53.5	293.248	314.033	364.414	410.051	427.899
54.0	288.504	309.515	360.122	405.306	422.702
54.5	283.308	304.996	355.377	401.014	418.410

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CANDELA TABULATION - (Cont.)

55.0	279.467	300.026	351.311	395.818	413.891
55.5	274.723	295.508	346.566	391.525	409.147
56.0	269.978	290.989	342.274	387.233	404.629
56.5	265.008	286.697	337.529	382.262	400.110
57.0	260.038	282.178	333.011	377.518	394.688
57.5	255.293	277.660	328.492	372.322	389.040
58.0	250.323	273.141	323.522	367.351	383.166
58.5	245.127	268.397	319.004	362.607	377.744
59.0	240.382	263.652	314.485	357.185	372.322
59.5	235.412	258.682	309.741	351.989	366.899
60.0	230.442	253.938	304.545	346.566	360.800
60.5	225.471	248.967	299.574	340.692	354.926
61.0	220.388	243.997	294.604	334.592	348.826
61.5	215.350	239.253	289.182	328.944	342.726
62.0	210.289	234.282	284.437	323.070	335.722
62.5	205.161	229.086	279.693	316.744	328.718
63.0	200.145	224.297	274.723	310.870	322.167
63.5	194.949	219.213	269.526	304.319	315.841
64.0	189.753	214.175	263.878	297.767	308.611
64.5	184.512	209.069	258.456	291.215	301.608
65.0	179.406	203.986	252.808	284.437	294.378
65.5	174.187	198.971	247.386	278.563	286.697
66.0	168.968	193.865	241.512	271.786	280.371
66.5	163.704	188.827	235.864	264.556	272.915
67.0	158.485	183.653	229.990	257.553	265.234
67.5	153.425	178.547	223.890	249.871	257.778
68.0	148.183	173.396	217.632	242.642	250.097
68.5	142.942	168.222	211.532	235.412	242.190
69.0	137.791	163.117	205.184	227.731	234.057
69.5	132.707	157.920	199.061	220.343	225.743
70.0	127.737	152.837	192.667	212.571	217.835
70.5	122.744	147.641	186.138	204.687	209.838
71.0	117.661	142.490	179.609	197.005	201.930
71.5	112.826	137.339	172.877	189.482	193.933
72.0	107.833	132.188	166.280	181.846	185.845
72.5	102.998	127.082	159.502	174.096	177.779
73.0	98.299	122.044	152.769	166.325	169.601
73.5	93.555	116.915	145.992	158.440	161.513
74.0	88.878	111.832	139.237	150.533	153.537
74.5	84.337	106.817	132.368	142.896	145.495
75.0	79.706	101.756	125.613	135.305	137.361
75.5	75.165	96.763	118.858	127.669	129.206
76.0	70.691	91.793	112.216	119.943	120.869
76.5	66.286	86.845	105.551	112.171	112.510
77.0	62.084	81.942	98.977	104.354	104.331
77.5	57.859	77.130	92.448	96.695	96.356
78.0	53.792	72.250	86.032	89.104	88.223
78.5	49.748	67.393	79.638	81.581	80.045
79.0	45.795	62.603	73.357	74.035	71.573
79.5	42.022	57.882	67.212	66.399	63.371
80.0	38.407	53.228	61.180	58.808	55.419
80.5	34.883	48.664	55.193	51.375	47.805
81.0	31.516	44.168	49.342	44.258	40.485
81.5	28.263	39.785	43.603	37.481	33.685
82.0	25.213	35.560	38.023	31.110	27.382
82.5	22.321	31.539	32.578	25.303	22.095

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CANDELA TABULATION - (Cont.)

83.0	19.610	27.630	27.359	20.311	17.667
83.5	17.080	23.970	22.434	16.199	14.256
84.0	14.730	20.536	17.938	12.968	11.612
84.5	12.516	17.283	13.985	10.483	9.489
85.0	10.505	14.278	10.754	8.450	7.840
85.5	8.675	11.477	8.201	6.868	6.507
86.0	7.026	8.969	6.258	5.603	5.422
86.5	5.603	6.733	4.812	4.609	4.541
87.0	4.338	4.880	3.728	3.796	3.750
87.5	3.253	3.411	2.960	3.073	3.095
88.0	2.395	2.372	2.304	2.463	2.485
88.5	1.694	1.649	1.785	1.920	1.966
89.0	1.175	1.152	1.333	1.446	1.491
89.5	0.791	0.813	0.971	1.039	1.017
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-L17-850-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-L17-850-CA-DIM-UNV (A ONLY).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	221.38	N.A.	12.20
0-30	472.94	N.A.	26.10
0-40	782.76	N.A.	43.30
0-60	1425.65	N.A.	78.80
0-80	1791.09	N.A.	99.00
0-90	1809.35	N.A.	100.00
10-90	1752.24	N.A.	96.80
20-40	561.37	N.A.	31.00
20-50	893.12	N.A.	49.40
40-70	883.88	N.A.	48.90
60-80	365.44	N.A.	20.20
70-80	124.45	N.A.	6.90
80-90	18.26	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	1809.35	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	57.11
10-20	164.27
20-30	251.55
30-40	309.82
40-50	331.75
50-60	311.15
60-70	240.99
70-80	124.45
80-90	18.26
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-L17-850-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-L17-850-CA-DIM-UNV (A ONLY).IES

UGR TABLE - CORRECTED

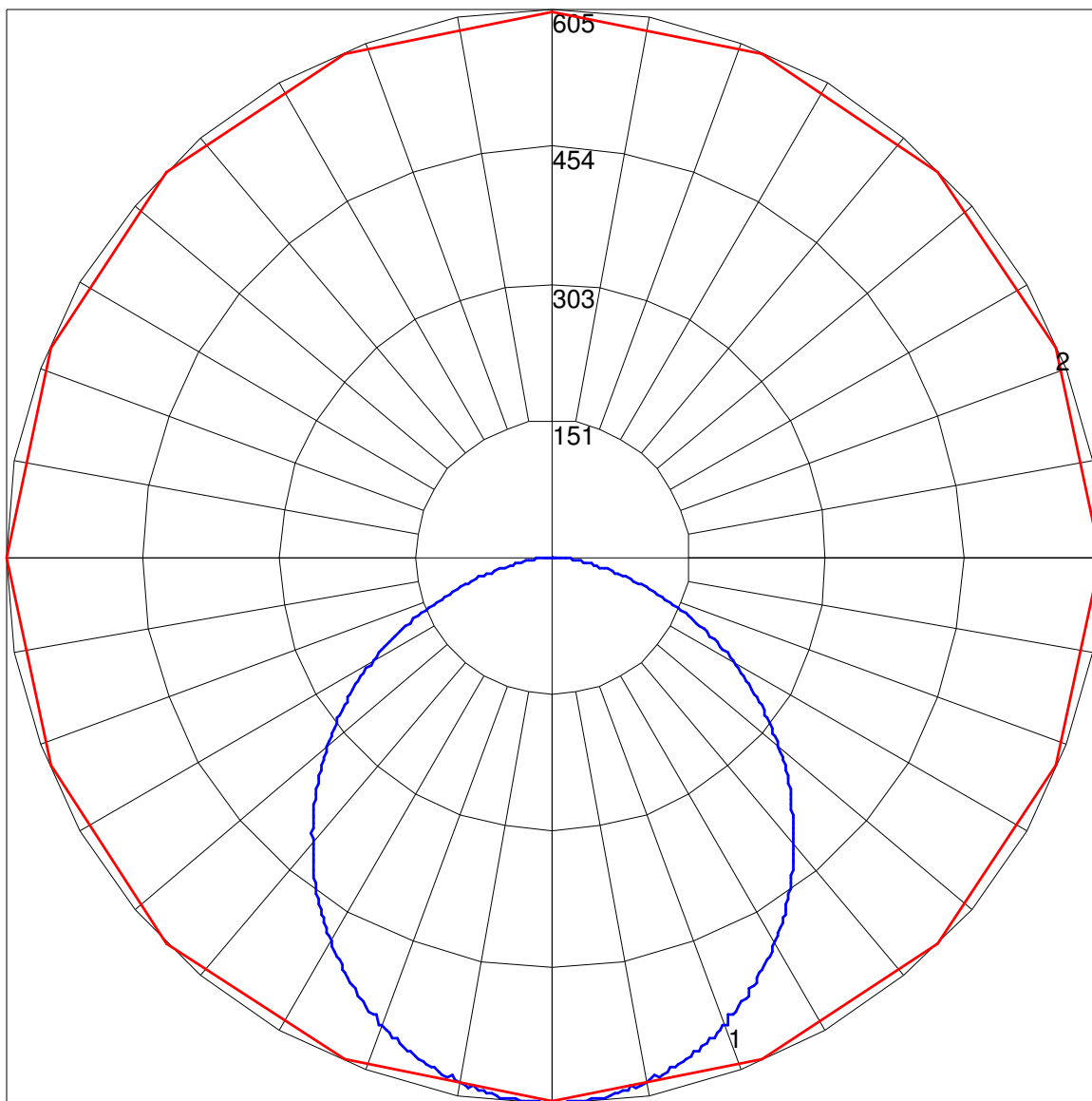
Reflectances

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	13.9	15.5	14.3	15.9	16.2	16.1	17.8	16.5	18.1	18.4
	3H	15.5	17.0	15.8	17.3	17.6	18.0	19.5	18.4	19.8	20.2
	4H	15.9	17.4	16.3	17.7	18.1	18.6	20.0	19.0	20.3	20.7
	6H	16.2	17.5	16.6	17.9	18.3	18.8	20.1	19.2	20.5	20.9
	8H	16.3	17.5	16.7	17.9	18.3	18.8	20.1	19.3	20.5	20.9
	12H	16.3	17.5	16.7	17.8	18.3	18.8	20.0	19.3	20.4	20.8
4H	2H	14.9	16.3	15.3	16.7	17.0	16.6	18.0	17.0	18.4	18.7
	3H	16.7	17.9	17.1	18.3	18.7	18.7	19.9	19.1	20.3	20.7
	4H	17.3	18.3	17.7	18.7	19.2	19.4	20.5	19.8	20.9	21.3
	6H	17.6	18.6	18.1	19.0	19.5	19.8	20.7	20.2	21.1	21.6
	8H	17.7	18.6	18.1	19.0	19.5	19.8	20.7	20.2	21.1	21.6
	12H	17.7	18.5	18.2	19.0	19.4	19.8	20.6	20.3	21.0	21.5
8H	4H	17.7	18.6	18.2	19.0	19.5	19.6	20.5	20.1	20.9	21.4
	6H	18.1	18.9	18.6	19.4	19.8	20.0	20.7	20.5	21.2	21.7
	8H	18.3	18.9	18.8	19.4	19.9	20.1	20.7	20.6	21.2	21.7
	12H	18.3	18.9	18.8	19.4	19.9	20.1	20.6	20.6	21.1	21.7
12H	4H	17.7	18.5	18.2	19.0	19.5	19.6	20.4	20.1	20.9	21.3
	6H	18.2	18.9	18.7	19.3	19.9	20.0	20.7	20.6	21.1	21.7
	8H	18.3	18.9	18.8	19.4	20.0	20.1	20.7	20.6	21.1	21.7

Maximum UGR = 21.7

POLAR GRAPH



Maximum Candela = 605.249 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.)