

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L17-930-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-L17-930-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	1400
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
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	1429	1652	1879
55	1324	1664	1960
65	1153	1625	1892
75	837	1318	1442
85	327	335	244

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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	466.638	466.638	466.638	466.638	466.638
0.5	466.464	466.289	466.813	467.687	464.366
1.0	468.211	465.590	467.163	466.638	466.464
1.5	466.813	464.891	466.813	466.289	464.891
2.0	466.464	464.366	465.240	468.211	466.289
2.5	466.638	464.017	465.240	467.512	463.842
3.0	466.114	464.891	465.939	466.464	465.240
3.5	466.638	465.065	464.192	466.464	465.939
4.0	464.366	463.492	465.764	465.939	465.240
4.5	464.716	463.667	463.842	465.590	463.318
5.0	464.891	464.017	464.366	464.192	465.240
5.5	465.065	462.968	464.017	466.638	465.065
6.0	463.842	463.143	462.968	465.065	464.541
6.5	462.094	461.920	463.842	465.415	464.366
7.0	462.968	461.745	463.143	465.415	461.920
7.5	461.570	460.696	461.745	464.017	462.619
8.0	461.220	459.647	462.269	463.842	462.444
8.5	458.599	459.298	461.220	462.269	462.094
9.0	459.473	458.948	461.220	462.444	462.269
9.5	459.473	458.075	459.473	463.143	461.395
10.0	457.375	457.550	458.774	461.046	462.444
10.5	454.929	456.676	458.948	460.521	460.172
11.0	451.433	454.404	456.851	460.172	461.745
11.5	453.880	454.055	455.803	459.997	459.473
12.0	453.181	452.831	455.453	459.822	458.774
12.5	452.657	451.433	455.453	458.599	457.550
13.0	448.637	450.385	453.531	458.599	458.774
13.5	448.113	449.336	453.531	456.502	460.172
14.0	447.064	449.161	452.831	455.453	458.948
14.5	446.714	447.414	450.559	455.977	456.152
15.0	444.093	445.141	449.860	454.754	456.327
15.5	444.268	442.869	448.462	453.880	453.006
16.0	441.122	441.646	448.287	453.531	456.851
16.5	440.947	440.423	446.714	453.006	454.055
17.0	439.025	439.025	445.666	451.084	454.579
17.5	436.927	437.277	444.093	450.210	453.006
18.0	433.432	435.354	443.044	450.210	451.608
18.5	433.781	435.354	442.170	448.637	448.812
19.0	430.985	431.335	439.374	448.287	449.161
19.5	429.762	430.810	439.025	447.239	448.113
20.0	426.266	429.412	436.752	446.540	446.190
20.5	426.791	426.965	436.403	445.491	446.190
21.0	420.149	425.043	433.956	445.491	446.190
21.5	420.324	423.819	432.908	443.044	444.617
22.0	419.800	421.547	430.810	441.821	444.967
22.5	417.353	419.450	429.412	440.947	441.821
23.0	413.858	417.877	429.587	440.597	443.394
23.5	413.158	415.955	426.616	439.025	442.695
24.0	410.712	413.508	425.742	437.102	441.297
24.5	406.867	411.585	423.819	436.228	438.850
25.0	405.119	409.313	422.072	433.956	437.976
25.5	403.196	407.216	420.149	433.781	436.752
26.0	400.575	404.944	418.227	432.733	436.752
26.5	397.779	402.672	415.955	430.636	434.655

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27.0	396.206	400.750	415.955	429.237	433.432
27.5	393.235	397.953	412.634	428.538	434.480
28.0	389.739	395.332	409.313	427.315	430.461
28.5	388.341	393.235	409.139	425.742	429.762
29.0	385.545	391.312	406.168	424.868	430.461
29.5	383.273	388.690	404.944	421.897	427.315
30.0	380.476	385.719	403.196	421.897	428.014
30.5	377.330	384.146	401.798	419.974	427.140
31.0	375.583	381.001	399.701	418.576	423.994
31.5	372.087	378.729	396.730	417.178	423.994
32.0	370.165	376.282	394.633	415.605	423.120
32.5	366.320	373.660	392.535	414.731	421.897
33.0	364.572	370.864	391.487	412.634	419.625
33.5	361.251	368.068	388.166	409.838	417.702
34.0	358.106	365.271	386.768	410.362	416.829
34.5	355.309	362.650	384.321	407.391	415.605
35.0	352.163	359.853	382.399	406.517	415.081
35.5	349.542	356.533	380.127	404.070	412.285
36.0	346.396	354.261	378.029	402.497	411.935
36.5	343.250	351.464	375.757	400.924	409.139
37.0	340.279	348.843	373.136	398.478	407.566
37.5	336.784	345.697	370.864	397.604	408.090
38.0	332.939	343.075	368.941	394.807	404.944
38.5	331.016	339.929	366.320	393.934	403.721
39.0	327.346	337.308	363.698	391.312	401.973
39.5	323.850	333.638	361.426	390.089	400.400
40.0	320.879	331.191	358.979	387.991	398.652
40.5	317.559	327.870	356.183	385.370	397.254
41.0	314.588	325.249	353.911	383.447	393.934
41.5	311.092	322.278	351.464	381.525	391.662
42.0	307.422	319.132	348.668	378.554	389.739
42.5	304.276	315.811	345.872	376.457	387.467
43.0	300.781	313.015	343.600	374.534	386.768
43.5	297.635	309.519	340.454	372.087	384.846
44.0	294.314	306.548	338.007	369.466	382.224
44.5	290.994	303.402	335.560	367.718	380.826
45.0	287.673	300.256	332.764	365.096	378.379
45.5	284.177	296.761	330.142	363.349	375.233
46.0	280.333	293.790	327.171	360.727	373.485
46.5	276.837	290.294	324.550	357.756	371.039
47.0	274.216	286.974	321.753	355.309	368.417
47.5	270.021	283.478	318.782	352.862	366.320
48.0	267.050	280.333	315.636	350.066	363.174
48.5	263.555	277.187	312.665	346.920	360.203
49.0	260.059	273.866	310.218	344.998	357.581
49.5	255.690	270.371	307.072	341.502	355.659
50.0	252.719	267.399	304.276	338.881	352.513
50.5	248.874	263.729	300.956	336.259	349.542
51.0	245.204	260.234	297.810	332.764	346.221
51.5	241.359	256.913	294.664	329.268	343.250
52.0	238.038	253.243	291.343	327.171	340.104
52.5	234.543	249.748	288.197	324.025	336.958
53.0	230.348	246.252	285.051	319.831	333.638
53.5	226.853	242.932	281.905	317.209	331.016
54.0	223.182	239.436	278.585	313.539	326.996
54.5	219.163	235.941	274.915	310.218	323.676

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CANDELA TABULATION - (Cont.)

55.0	216.192	232.096	271.769	306.199	320.180
55.5	212.521	228.600	268.099	302.878	316.510
56.0	208.851	225.105	264.778	299.557	313.015
56.5	205.006	221.784	261.108	295.712	309.519
57.0	201.161	218.289	257.612	292.042	305.325
57.5	197.491	214.793	254.117	288.022	300.956
58.0	193.646	211.298	250.272	284.177	296.411
58.5	189.626	207.628	246.777	280.507	292.217
59.0	185.956	203.958	243.281	276.313	288.022
59.5	182.111	200.113	239.611	272.293	283.828
60.0	178.266	196.442	235.591	268.099	279.109
60.5	174.421	192.598	231.746	263.555	274.565
61.0	170.489	188.753	227.901	258.836	269.846
61.5	166.592	185.082	223.707	254.466	265.127
62.0	162.677	181.237	220.037	249.922	259.710
62.5	158.709	177.218	216.366	245.029	254.292
63.0	154.830	173.513	212.521	240.485	249.223
63.5	150.810	169.580	208.502	235.416	244.330
64.0	146.790	165.683	204.132	230.348	238.737
64.5	142.735	161.733	199.938	225.280	233.319
65.0	138.786	157.801	195.569	220.037	227.726
65.5	134.748	153.921	191.374	215.493	221.784
66.0	130.711	149.971	186.830	210.249	216.891
66.5	126.639	146.074	182.461	204.657	211.123
67.0	122.602	142.071	177.917	199.239	205.181
67.5	118.687	138.121	173.198	193.297	199.414
68.0	114.632	134.137	168.357	187.704	193.471
68.5	110.578	130.134	163.638	182.111	187.354
69.0	106.593	126.185	158.727	176.169	181.063
69.5	102.660	122.165	153.991	170.454	174.631
70.0	98.815	118.233	149.045	164.442	168.514
70.5	94.953	114.213	143.994	158.342	162.327
71.0	91.021	110.228	138.943	152.400	156.210
71.5	87.281	106.243	133.735	146.580	150.023
72.0	83.418	102.258	128.631	140.673	143.767
72.5	79.678	98.309	123.388	134.678	137.527
73.0	76.043	94.411	118.180	128.666	131.201
73.5	72.373	90.444	112.937	122.567	124.944
74.0	68.755	86.512	107.711	116.450	118.774
74.5	65.242	82.632	102.398	110.543	112.552
75.0	61.659	78.717	97.173	104.670	106.261
75.5	58.146	74.854	91.947	98.763	99.951
76.0	54.686	71.009	86.809	92.786	93.502
76.5	51.278	67.182	81.653	86.774	87.036
77.0	48.027	63.389	76.567	80.727	80.709
77.5	44.759	59.667	71.516	74.802	74.540
78.0	41.613	55.892	66.553	68.930	68.248
78.5	38.485	52.134	61.607	63.110	61.921
79.0	35.426	48.429	56.748	57.272	55.367
79.5	32.507	44.776	51.994	51.365	49.023
80.0	29.711	41.176	47.328	45.493	42.871
80.5	26.985	37.646	42.697	39.743	36.982
81.0	24.381	34.168	38.170	34.238	31.319
81.5	21.864	30.777	33.731	28.994	26.058
82.0	19.504	27.509	29.414	24.066	21.182
82.5	17.267	24.398	25.202	19.574	17.093

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CANDELA TABULATION - (Cont.)

83.0	15.170	21.374	21.165	15.712	13.667
83.5	13.213	18.543	17.355	12.531	11.028
84.0	11.395	15.887	13.877	10.032	8.983
84.5	9.682	13.370	10.818	8.109	7.340
85.0	8.127	11.046	8.319	6.536	6.065
85.5	6.711	8.878	6.344	5.313	5.033
86.0	5.435	6.938	4.841	4.334	4.195
86.5	4.334	5.208	3.723	3.565	3.513
87.0	3.356	3.775	2.884	2.936	2.901
87.5	2.517	2.639	2.289	2.377	2.394
88.0	1.853	1.835	1.783	1.905	1.922
88.5	1.311	1.276	1.381	1.486	1.521
89.0	0.909	0.891	1.031	1.119	1.153
89.5	0.612	0.629	0.752	0.804	0.786
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-L17-930-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-L17-930-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	171.26	N.A.	12.20
0-30	365.86	N.A.	26.10
0-40	605.53	N.A.	43.30
0-60	1102.86	N.A.	78.80
0-80	1385.56	N.A.	99.00
0-90	1399.69	N.A.	100.00
10-90	1355.51	N.A.	96.80
20-40	434.27	N.A.	31.00
20-50	690.90	N.A.	49.40
40-70	683.76	N.A.	48.90
60-80	282.70	N.A.	20.20
70-80	96.28	N.A.	6.90
80-90	14.12	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	1399.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	44.18
10-20	127.08
20-30	194.60
30-40	239.67
40-50	256.63
50-60	240.70
60-70	186.42
70-80	96.28
80-90	14.12
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-L17-930-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

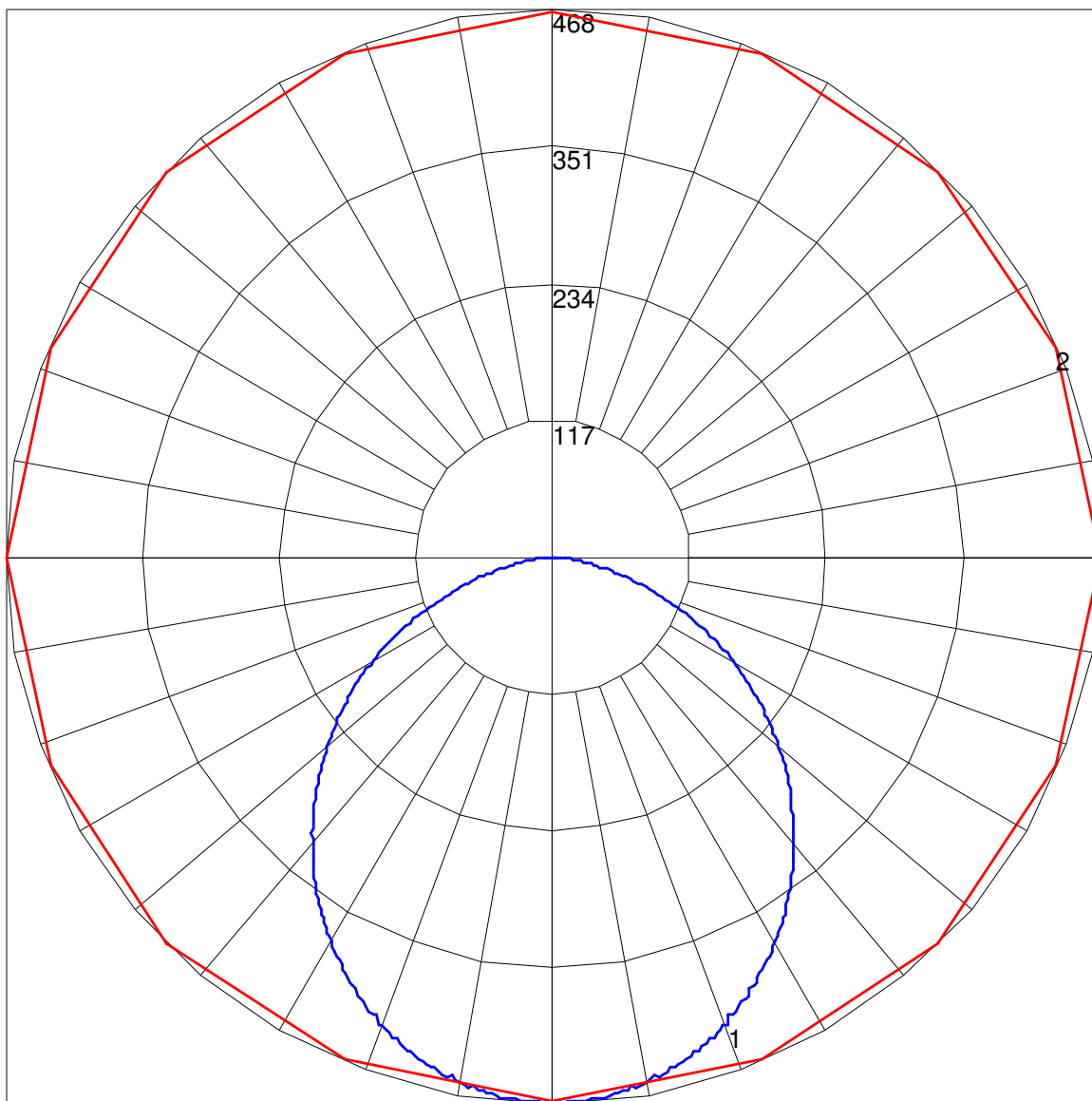
IES INDOOR REPORT
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UGR TABLE - CORRECTED

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	13.0	14.7	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	15.1	16.5	15.5	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	16.2	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	17.9	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	19.4	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	17.3	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	18.0	18.5	19.1	19.2	19.8	19.7	20.3	20.8

Maximum UGR = 20.8

POLAR GRAPH



Maximum Candela = 468.211 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.)