

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L33-935-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-L33-935-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	2746
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	25.3
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	2803	3242	3687
55	2597	3265	3846
65	2263	3188	3713
75	1641	2587	2829
85	642	658	479

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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	915.604	915.604	915.604	915.604	915.604
0.5	915.261	914.919	915.947	917.662	911.146
1.0	918.691	913.547	916.633	915.604	915.261
1.5	915.947	912.175	915.947	914.919	912.175
2.0	915.261	911.146	912.861	918.691	914.919
2.5	915.604	910.461	912.861	917.319	910.118
3.0	914.576	912.175	914.233	915.261	912.861
3.5	915.604	912.518	910.803	915.261	914.233
4.0	911.146	909.432	913.890	914.233	912.861
4.5	911.832	909.775	910.118	913.547	909.089
5.0	912.175	910.461	911.146	910.803	912.861
5.5	912.518	908.403	910.461	915.604	912.518
6.0	910.118	908.746	908.403	912.518	911.489
6.5	906.688	906.345	910.118	913.204	911.146
7.0	908.403	906.003	908.746	913.204	906.345
7.5	905.660	903.945	906.003	910.461	907.717
8.0	904.974	901.887	907.031	910.118	907.374
8.5	899.830	901.202	904.974	907.031	906.688
9.0	901.545	900.516	904.974	907.374	907.031
9.5	901.545	898.801	901.545	908.746	905.317
10.0	897.429	897.772	900.173	904.631	907.374
10.5	892.629	896.058	900.516	903.602	902.916
11.0	885.770	891.600	896.401	902.916	906.003
11.5	890.571	890.914	894.343	902.573	901.545
12.0	889.199	888.513	893.657	902.230	900.173
12.5	888.171	885.770	893.657	899.830	897.772
13.0	880.283	883.713	889.885	899.830	900.173
13.5	879.255	881.655	889.885	895.715	902.916
14.0	877.197	881.312	888.513	893.657	900.516
14.5	876.511	877.883	884.055	894.686	895.029
15.0	871.367	873.425	882.684	892.286	895.372
15.5	871.710	868.967	879.940	890.571	888.856
16.0	865.538	866.566	879.597	889.885	896.401
16.5	865.195	864.166	876.511	888.856	890.914
17.0	861.423	861.423	874.454	885.084	891.943
17.5	857.307	857.993	871.367	883.370	888.856
18.0	850.449	854.221	869.310	883.370	886.113
18.5	851.135	854.221	867.595	880.283	880.626
19.0	845.648	846.334	862.108	879.597	881.312
19.5	843.248	845.305	861.423	877.540	879.255
20.0	836.389	842.562	856.965	876.168	875.482
20.5	837.418	837.761	856.279	874.111	875.482
21.0	824.387	833.989	851.478	874.111	875.482
21.5	824.730	831.588	849.420	869.310	872.396
22.0	823.701	827.130	845.305	866.909	873.082
22.5	818.900	823.015	842.562	865.195	866.909
23.0	812.042	819.929	842.905	864.509	869.996
23.5	810.670	816.157	837.075	861.423	868.624
24.0	805.869	811.356	835.360	857.650	865.881
24.5	798.325	807.584	831.588	855.936	861.080
25.0	794.895	803.126	828.159	851.478	859.365
25.5	791.123	799.011	824.387	851.135	856.965
26.0	785.979	794.553	820.615	849.077	856.965
26.5	780.493	790.095	816.157	844.962	852.849

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CANDELA TABULATION - (Cont.)

27.0	777.406	786.322	816.157	842.219	850.449
27.5	771.577	780.836	809.641	840.847	852.507
28.0	764.718	775.692	803.126	838.447	844.619
28.5	761.975	771.577	802.783	835.360	843.248
29.0	756.488	767.805	796.953	833.646	844.619
29.5	752.030	762.661	794.553	827.816	838.447
30.0	746.543	756.831	791.123	827.816	839.818
30.5	740.371	753.745	788.380	824.044	838.104
31.0	736.941	747.572	784.265	821.301	831.931
31.5	730.083	743.114	778.435	818.557	831.931
32.0	726.311	738.313	774.320	815.471	830.217
32.5	718.767	733.169	770.205	813.756	827.816
33.0	715.337	727.683	768.147	809.641	823.358
33.5	708.822	722.196	761.632	804.154	819.586
34.0	702.649	716.709	758.889	805.183	817.871
34.5	697.162	711.565	754.088	799.353	815.471
35.0	690.990	706.078	750.315	797.639	814.442
35.5	685.846	699.563	745.857	792.838	808.955
36.0	679.673	695.105	741.742	789.752	808.269
36.5	673.501	689.618	737.284	786.665	802.783
37.0	667.671	684.474	732.141	781.864	799.696
37.5	660.813	678.302	727.683	780.150	800.725
38.0	653.268	673.158	723.910	774.663	794.553
38.5	649.496	666.985	718.767	772.948	792.152
39.0	642.295	661.841	713.623	767.805	788.723
39.5	635.436	654.640	709.165	765.404	785.637
40.0	629.607	649.839	704.364	761.289	782.207
40.5	623.091	643.324	698.877	756.145	779.464
41.0	617.261	638.180	694.419	752.373	772.948
41.5	610.403	632.350	689.618	748.601	768.490
42.0	603.202	626.177	684.131	742.771	764.718
42.5	597.029	619.662	678.645	738.656	760.260
43.0	590.170	614.175	674.187	734.884	758.889
43.5	583.998	607.317	668.014	730.083	755.116
44.0	577.482	601.487	663.213	724.939	749.973
44.5	570.967	595.314	658.412	721.510	747.229
45.0	564.451	589.142	652.925	716.366	742.428
45.5	557.593	582.283	647.782	712.937	736.256
46.0	550.048	576.454	641.952	707.793	732.826
46.5	543.190	569.595	636.808	701.963	728.025
47.0	538.046	563.080	631.321	697.162	722.882
47.5	529.816	556.221	625.492	692.362	718.767
48.0	523.986	550.048	619.319	686.875	712.594
48.5	517.128	543.876	613.489	680.702	706.764
49.0	510.269	537.360	608.688	676.930	701.620
49.5	501.696	530.502	602.516	670.072	697.848
50.0	495.867	524.672	597.029	664.928	691.676
50.5	488.322	517.471	590.513	659.784	685.846
51.0	481.121	510.612	584.341	652.925	679.330
51.5	473.577	504.097	578.168	646.067	673.501
52.0	467.061	496.895	571.653	641.952	667.328
52.5	460.203	490.037	565.480	635.779	661.156
53.0	451.972	483.178	559.307	627.549	654.640
53.5	445.114	476.663	553.135	622.405	649.496
54.0	437.913	469.804	546.619	615.204	641.609
54.5	430.025	462.946	539.418	608.688	635.093

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CANDELA TABULATION - (Cont.)

55.0	424.196	455.402	533.245	600.801	628.235
55.5	416.994	448.543	526.044	594.286	621.034
56.0	409.793	441.685	519.528	587.770	614.175
56.5	402.249	435.169	512.327	580.226	607.317
57.0	394.704	428.311	505.468	573.024	599.086
57.5	387.503	421.452	498.610	565.137	590.513
58.0	379.959	414.594	491.066	557.593	581.597
58.5	372.071	407.393	484.207	550.391	573.367
59.0	364.870	400.191	477.349	542.161	565.137
59.5	357.326	392.647	470.147	534.274	556.907
60.0	349.781	385.445	462.260	526.044	547.648
60.5	342.237	377.901	454.716	517.128	538.732
61.0	334.521	370.357	447.172	507.869	529.473
61.5	326.874	363.155	438.941	499.296	520.214
62.0	319.193	355.611	431.740	490.380	509.584
62.5	311.408	347.724	424.539	480.778	498.953
63.0	303.795	340.454	416.994	471.862	489.008
63.5	295.908	332.738	409.107	461.917	479.406
64.0	288.021	325.091	400.534	451.972	468.433
64.5	280.065	317.341	392.304	442.028	457.802
65.0	272.315	309.625	383.731	431.740	446.829
65.5	264.394	302.012	375.501	422.824	435.169
66.0	256.472	294.262	366.585	412.536	425.567
66.5	248.482	286.615	358.012	401.563	414.251
67.0	240.560	278.762	349.096	390.932	402.592
67.5	232.879	271.012	339.837	379.273	391.275
68.0	224.923	263.193	330.338	368.299	379.616
68.5	216.967	255.340	321.079	357.326	367.613
69.0	209.149	247.590	311.443	345.666	355.268
69.5	201.433	239.703	302.149	334.453	342.649
70.0	193.889	231.987	292.445	322.656	330.646
70.5	186.310	224.100	282.534	310.688	318.507
71.0	178.594	216.282	272.624	299.029	306.505
71.5	171.256	208.463	262.405	287.610	294.365
72.0	163.677	200.644	252.391	276.019	282.088
72.5	156.339	192.894	242.104	264.256	269.846
73.0	149.206	185.247	231.885	252.460	257.432
73.5	142.004	177.463	221.597	240.492	245.156
74.0	134.906	169.747	211.343	228.490	233.050
74.5	128.013	162.134	200.919	216.899	220.842
75.0	120.983	154.453	190.665	205.377	208.497
75.5	114.090	146.874	180.412	193.786	196.118
76.0	107.301	139.330	170.330	182.058	183.464
76.5	100.614	131.820	160.214	170.261	170.776
77.0	94.235	124.378	150.235	158.396	158.362
77.5	87.823	117.074	140.324	146.771	146.257
78.0	81.650	109.667	130.585	135.249	133.911
78.5	75.512	102.294	120.880	123.829	121.498
79.0	69.510	95.024	111.347	112.376	108.638
79.5	63.784	87.857	102.020	100.785	96.190
80.0	58.297	80.793	92.864	89.263	84.119
80.5	52.947	73.866	83.776	77.981	72.563
81.0	47.838	67.041	74.894	67.179	61.452
81.5	42.900	60.389	66.184	56.891	51.130
82.0	38.270	53.976	57.714	47.220	41.562
82.5	33.881	47.872	49.449	38.407	33.538

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CANDELA TABULATION - (Cont.)

83.0	29.766	41.939	41.528	30.829	26.817
83.5	25.925	36.384	34.052	24.588	21.638
84.0	22.359	31.172	27.228	19.684	17.626
84.5	18.998	26.234	21.227	15.912	14.403
85.0	15.946	21.673	16.323	12.825	11.899
85.5	13.168	17.420	12.448	10.425	9.876
86.0	10.665	13.614	9.499	8.504	8.230
86.5	8.504	10.219	7.304	6.996	6.893
87.0	6.584	7.407	5.658	5.761	5.693
87.5	4.938	5.178	4.492	4.664	4.698
88.0	3.635	3.601	3.498	3.738	3.772
88.5	2.572	2.503	2.709	2.915	2.983
89.0	1.783	1.749	2.023	2.195	2.263
89.5	1.200	1.235	1.475	1.577	1.543
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-L33-935-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-L33-935-CA-DIM-UNV (A ONLY).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	336.03	N.A.	12.20
0-30	717.86	N.A.	26.10
0-40	1188.13	N.A.	43.30
0-60	2163.96	N.A.	78.80
0-80	2718.65	N.A.	99.00
0-90	2746.36	N.A.	100.00
10-90	2659.68	N.A.	96.80
20-40	852.10	N.A.	31.00
20-50	1355.64	N.A.	49.40
40-70	1341.62	N.A.	48.90
60-80	554.69	N.A.	20.20
70-80	188.91	N.A.	6.90
80-90	27.71	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	2746.36	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	86.69
10-20	249.35
20-30	381.82
30-40	470.27
40-50	503.55
50-60	472.28
60-70	365.79
70-80	188.91
80-90	27.71
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-L33-935-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-L33-935-CA-DIM-UNV (A ONLY).IES

UGR TABLE - CORRECTED

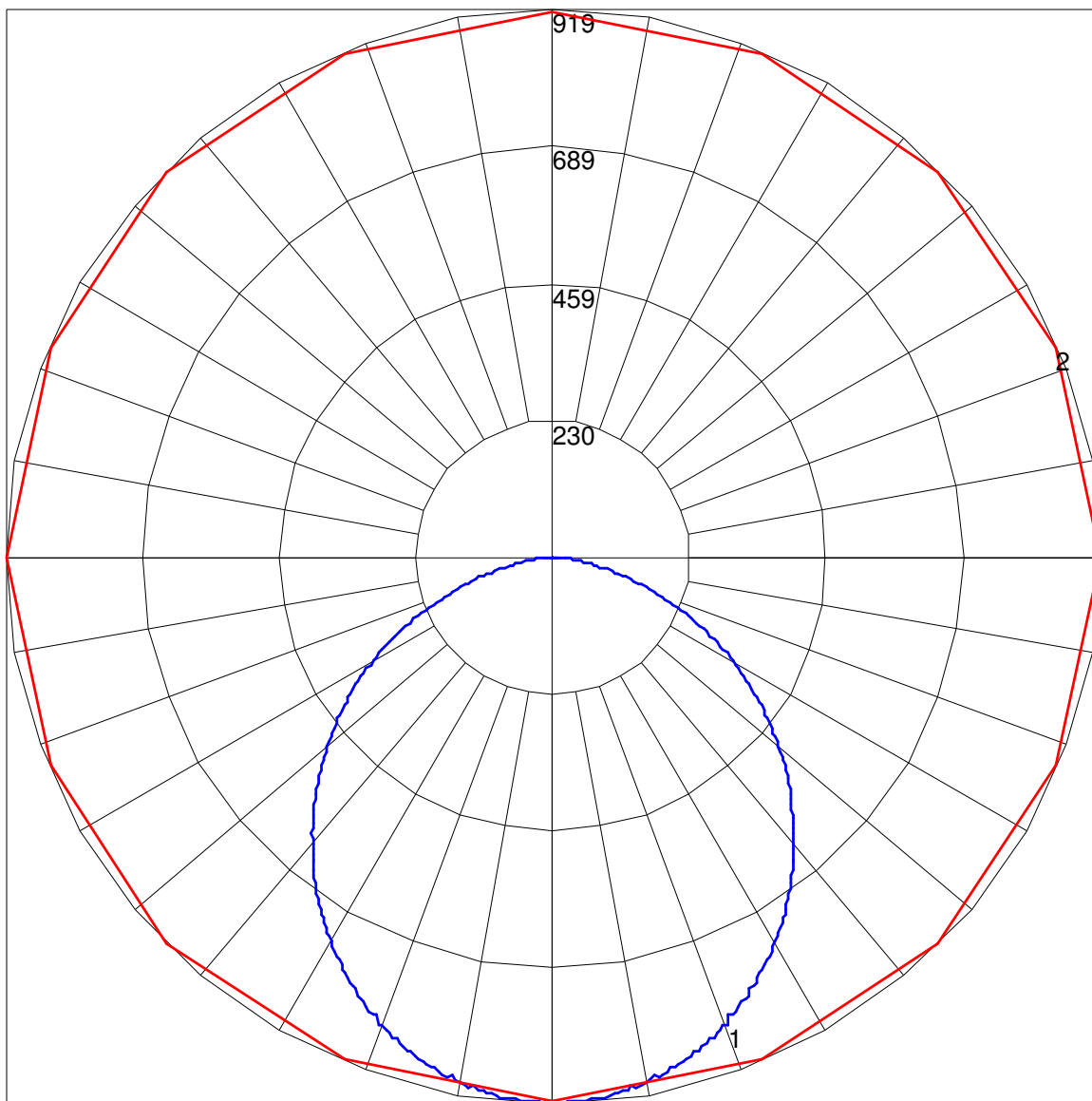
Reflectances

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	15.3	16.9	15.7	17.3	17.6	17.5	19.2	17.9	19.5	19.8
	3H	16.9	18.4	17.2	18.7	19.0	19.4	20.9	19.8	21.2	21.6
	4H	17.3	18.8	17.7	19.1	19.5	20.0	21.4	20.4	21.7	22.1
	6H	17.6	18.9	18.0	19.3	19.7	20.2	21.5	20.6	21.9	22.3
	8H	17.7	18.9	18.1	19.3	19.7	20.2	21.5	20.7	21.9	22.3
	12H	17.7	18.9	18.1	19.2	19.7	20.2	21.4	20.7	21.8	22.2
4H	2H	16.3	17.7	16.7	18.1	18.4	18.0	19.4	18.4	19.8	20.1
	3H	18.1	19.3	18.5	19.7	20.1	20.1	21.3	20.5	21.7	22.1
	4H	18.7	19.7	19.1	20.1	20.6	20.8	21.9	21.2	22.3	22.7
	6H	19.0	20.0	19.5	20.4	20.9	21.2	22.1	21.6	22.5	23.0
	8H	19.1	20.0	19.5	20.4	20.9	21.2	22.1	21.6	22.5	23.0
	12H	19.1	19.9	19.6	20.4	20.8	21.2	22.0	21.7	22.4	22.9
8H	4H	19.1	20.0	19.6	20.4	20.9	21.0	21.9	21.5	22.3	22.8
	6H	19.5	20.3	20.0	20.8	21.2	21.4	22.1	21.9	22.6	23.1
	8H	19.7	20.3	20.2	20.8	21.3	21.5	22.1	22.0	22.6	23.1
	12H	19.7	20.3	20.2	20.8	21.3	21.5	22.0	22.0	22.5	23.1
12H	4H	19.1	19.9	19.6	20.4	20.9	21.0	21.8	21.5	22.3	22.7
	6H	19.6	20.3	20.1	20.7	21.3	21.4	22.1	22.0	22.5	23.1
	8H	19.7	20.3	20.2	20.8	21.4	21.5	22.1	22.0	22.5	23.1

Maximum UGR = 23.1

POLAR GRAPH



Maximum Candela = 918.691 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.)