

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L33-940-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-L33-940-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	2846
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
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	2904	3360	3820
55	2691	3383	3985
65	2344	3304	3847
75	1701	2680	2931
85	666	681	497

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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	948.699	948.699	948.699	948.699	948.699
0.5	948.343	947.988	949.054	950.830	944.079
1.0	951.896	946.567	949.764	948.699	948.343
1.5	949.054	945.145	949.054	947.988	945.145
2.0	948.343	944.079	945.856	951.896	947.988
2.5	948.699	943.369	945.856	950.475	943.013
3.0	947.633	945.145	947.277	948.343	945.856
3.5	948.699	945.501	943.724	948.343	947.277
4.0	944.079	942.303	946.922	947.277	945.856
4.5	944.790	942.658	943.013	946.567	941.947
5.0	945.145	943.369	944.079	943.724	945.856
5.5	945.501	941.237	943.369	948.699	945.501
6.0	943.013	941.592	941.237	945.501	944.435
6.5	939.460	939.105	943.013	946.211	944.079
7.0	941.237	938.750	941.592	946.211	939.105
7.5	938.394	936.618	938.750	943.369	940.526
8.0	937.684	934.486	939.816	943.013	940.171
8.5	932.354	933.775	937.684	939.816	939.460
9.0	934.130	933.065	937.684	940.171	939.816
9.5	934.130	931.288	934.130	941.592	938.039
10.0	929.867	930.222	932.709	937.328	940.171
10.5	924.892	928.445	933.065	936.262	935.552
11.0	917.786	923.826	928.801	935.552	938.750
11.5	922.760	923.116	926.669	935.196	934.130
12.0	921.339	920.628	925.958	934.841	932.709
12.5	920.273	917.786	925.958	932.354	930.222
13.0	912.101	915.654	922.050	932.354	932.709
13.5	911.035	913.522	922.050	928.090	935.552
14.0	908.903	913.167	920.628	925.958	933.065
14.5	908.192	909.614	916.009	927.024	927.379
15.0	902.863	904.994	914.588	924.537	927.735
15.5	903.218	900.375	911.745	922.760	920.984
16.0	896.822	897.888	911.390	922.050	928.801
16.5	896.467	895.401	908.192	920.984	923.116
17.0	892.558	892.558	906.060	917.075	924.182
17.5	888.295	889.005	902.863	915.299	920.984
18.0	881.188	885.097	900.731	915.299	918.141
18.5	881.899	885.097	898.954	912.101	912.456
19.0	876.214	876.924	893.269	911.390	913.167
19.5	873.726	875.858	892.558	909.258	911.035
20.0	866.620	873.016	887.939	907.837	907.126
20.5	867.686	868.041	887.229	905.705	907.126
21.0	854.184	864.133	882.254	905.705	907.126
21.5	854.539	861.646	880.122	900.731	903.928
22.0	853.473	857.027	875.858	898.243	904.639
22.5	848.499	852.763	873.016	896.467	898.243
23.0	841.393	849.565	873.371	895.756	901.441
23.5	839.971	845.656	867.331	892.558	900.020
24.0	834.997	840.682	865.554	888.650	897.177
24.5	827.180	836.773	861.646	886.873	892.203
25.0	823.627	832.154	858.092	882.254	890.426
25.5	819.718	827.890	854.184	881.899	887.939
26.0	814.388	823.271	850.275	879.767	887.939
26.5	808.703	818.652	845.656	875.503	883.675

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR2XG-L33-940-CA-DIM-UNV (A ONLY).IES****CANDELA TABULATION - (Cont.)**

27.0	805.505	814.744	845.656	872.661	881.188
27.5	799.465	809.059	838.905	871.239	883.320
28.0	792.359	803.729	832.154	868.752	875.148
28.5	789.516	799.465	831.799	865.554	873.726
29.0	783.831	795.557	825.759	863.778	875.148
29.5	779.212	790.227	823.271	857.737	868.752
30.0	773.527	784.186	819.718	857.737	870.173
30.5	767.131	780.989	816.876	853.829	868.397
31.0	763.578	774.593	812.612	850.986	862.001
31.5	756.472	769.974	806.571	848.144	862.001
32.0	752.563	764.999	802.308	844.946	860.224
32.5	744.746	759.669	798.044	843.169	857.737
33.0	741.193	753.984	795.912	838.905	853.118
33.5	734.442	748.299	789.161	833.220	849.210
34.0	728.046	742.614	786.318	834.286	847.433
34.5	722.361	737.284	781.344	828.246	844.946
35.0	715.965	731.599	777.435	826.469	843.880
35.5	710.636	724.848	772.816	821.495	838.195
36.0	704.240	720.229	768.552	818.297	837.484
36.5	697.844	714.544	763.933	815.099	831.799
37.0	691.804	709.214	758.604	810.125	828.601
37.5	684.697	702.819	753.984	808.348	829.667
38.0	676.880	697.489	750.076	802.663	823.271
38.5	672.972	691.093	744.746	800.886	820.784
39.0	665.510	685.763	739.416	795.557	817.231
39.5	658.404	678.302	734.797	793.069	814.033
40.0	652.363	673.327	729.823	788.806	810.480
40.5	645.612	666.576	724.138	783.476	807.637
41.0	639.572	661.246	719.519	779.567	800.886
41.5	632.466	655.206	714.544	775.659	796.267
42.0	625.004	648.810	708.859	769.618	792.359
42.5	618.608	642.059	703.174	765.355	787.740
43.0	611.502	636.374	698.555	761.446	786.318
43.5	605.106	629.268	692.159	756.472	782.410
44.0	598.355	623.227	687.185	751.142	777.080
44.5	591.604	616.832	682.210	747.589	774.237
45.0	584.853	610.436	676.525	742.259	769.263
45.5	577.747	603.330	671.195	738.706	762.867
46.0	569.930	597.289	665.155	733.376	759.314
46.5	562.823	590.183	659.825	727.336	754.340
47.0	557.494	583.432	654.140	722.361	749.010
47.5	548.966	576.325	648.100	717.387	744.746
48.0	542.926	569.930	641.704	711.702	738.350
48.5	535.819	563.534	635.664	705.306	732.310
49.0	528.713	556.783	630.689	701.397	726.980
49.5	519.830	549.677	624.293	694.291	723.072
50.0	513.790	543.636	618.608	688.961	716.676
50.5	505.973	536.175	611.857	683.631	710.636
51.0	498.511	529.068	605.462	676.525	703.885
51.5	490.694	522.317	599.066	669.419	697.844
52.0	483.943	514.855	592.315	665.155	691.448
52.5	476.836	507.749	585.919	658.759	685.053
53.0	468.309	500.643	579.523	650.232	678.302
53.5	461.203	493.892	573.128	644.902	672.972
54.0	453.741	486.785	566.377	637.440	664.800
54.5	445.569	479.679	558.915	630.689	658.049

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CANDELA TABULATION - (Cont.)

55.0	439.528	471.862	552.519	622.517	650.942
55.5	432.066	464.756	545.058	615.766	643.481
56.0	424.605	457.649	538.306	609.015	636.374
56.5	416.788	450.898	530.845	601.198	629.268
57.0	408.971	443.792	523.738	593.736	620.740
57.5	401.509	436.686	516.632	585.564	611.857
58.0	393.692	429.579	508.815	577.747	602.619
58.5	385.520	422.118	501.709	570.285	594.091
59.0	378.058	414.656	494.602	561.757	585.564
59.5	370.241	406.839	487.141	553.585	577.036
60.0	362.424	399.377	478.968	545.058	567.443
60.5	354.607	391.560	471.151	535.819	558.204
61.0	346.613	383.743	463.334	526.226	548.611
61.5	338.689	376.282	454.807	517.343	539.017
62.0	330.730	368.465	447.345	508.104	528.002
62.5	322.664	360.292	439.883	498.156	516.987
63.0	314.776	352.760	432.066	488.917	506.683
63.5	306.604	344.765	423.894	478.613	496.734
64.0	298.431	336.841	415.011	468.309	485.364
64.5	290.188	328.811	406.484	458.005	474.349
65.0	282.158	320.816	397.601	447.345	462.979
65.5	273.950	312.928	389.073	438.107	450.898
66.0	265.742	304.898	379.835	427.447	440.949
66.5	257.463	296.975	370.952	416.077	429.224
67.0	249.255	288.838	361.714	405.062	417.143
67.5	241.296	280.808	352.120	392.981	405.418
68.0	233.053	272.706	342.278	381.611	393.337
68.5	224.810	264.570	332.684	370.241	380.901
69.0	216.708	256.539	322.700	358.160	368.109
69.5	208.714	248.367	313.071	346.541	355.034
70.0	200.897	240.372	303.015	334.319	342.597
70.5	193.044	232.200	292.746	321.918	330.019
71.0	185.050	224.099	282.478	309.837	317.583
71.5	177.446	215.998	271.889	298.005	305.005
72.0	169.593	207.896	261.514	285.995	292.284
72.5	161.989	199.866	250.854	273.808	279.600
73.0	154.599	191.943	240.266	261.585	266.737
73.5	147.137	183.877	229.606	249.184	254.017
74.0	139.782	175.882	218.982	236.748	241.474
74.5	132.640	167.994	208.181	224.739	228.825
75.0	125.356	160.035	197.557	212.800	216.033
75.5	118.214	152.183	186.933	200.790	203.206
76.0	111.179	144.366	176.486	188.638	190.095
76.5	104.250	136.584	166.004	176.415	176.948
77.0	97.641	128.874	155.665	164.121	164.086
77.5	90.997	121.305	145.396	152.076	151.543
78.0	84.601	113.631	135.305	140.137	138.752
78.5	78.241	105.991	125.250	128.305	125.889
79.0	72.023	98.459	115.372	116.438	112.565
79.5	66.089	91.032	105.707	104.428	99.667
80.0	60.404	83.713	96.220	92.489	87.159
80.5	54.861	76.535	86.804	80.799	75.185
81.0	49.567	69.465	77.601	69.607	63.673
81.5	44.450	62.571	68.576	58.947	52.978
82.0	39.653	55.927	59.800	48.927	43.065
82.5	35.105	49.602	51.237	39.796	34.750

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CANDELA TABULATION - (Cont.)

83.0	30.842	43.455	43.029	31.943	27.786
83.5	26.862	37.699	35.283	25.476	22.421
84.0	23.167	32.298	28.212	20.395	18.263
84.5	19.685	27.182	21.994	16.487	14.923
85.0	16.522	22.456	16.913	13.289	12.330
85.5	13.644	18.050	12.898	10.802	10.233
86.0	11.050	14.106	9.842	8.812	8.528
86.5	8.812	10.588	7.568	7.248	7.142
87.0	6.822	7.675	5.863	5.969	5.898
87.5	5.117	5.365	4.655	4.832	4.868
88.0	3.766	3.731	3.624	3.873	3.908
88.5	2.665	2.594	2.807	3.020	3.091
89.0	1.848	1.812	2.096	2.274	2.345
89.5	1.244	1.279	1.528	1.634	1.599
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

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : CMR2XG-L33-940-CA-DIM-UNV (A ONLY).IES

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-L33-940-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-L33-940-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	348.18	N.A.	12.20
0-30	743.80	N.A.	26.10
0-40	1231.07	N.A.	43.30
0-60	2242.18	N.A.	78.80
0-80	2816.92	N.A.	99.00
0-90	2845.63	N.A.	100.00
10-90	2755.81	N.A.	96.80
20-40	882.89	N.A.	31.00
20-50	1404.64	N.A.	49.40
40-70	1390.11	N.A.	48.90
60-80	574.74	N.A.	20.20
70-80	195.73	N.A.	6.90
80-90	28.71	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	2845.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.82
10-20	258.36
20-30	395.62
30-40	487.27
40-50	521.75
50-60	489.35
60-70	379.01
70-80	195.73
80-90	28.71
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-L33-940-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

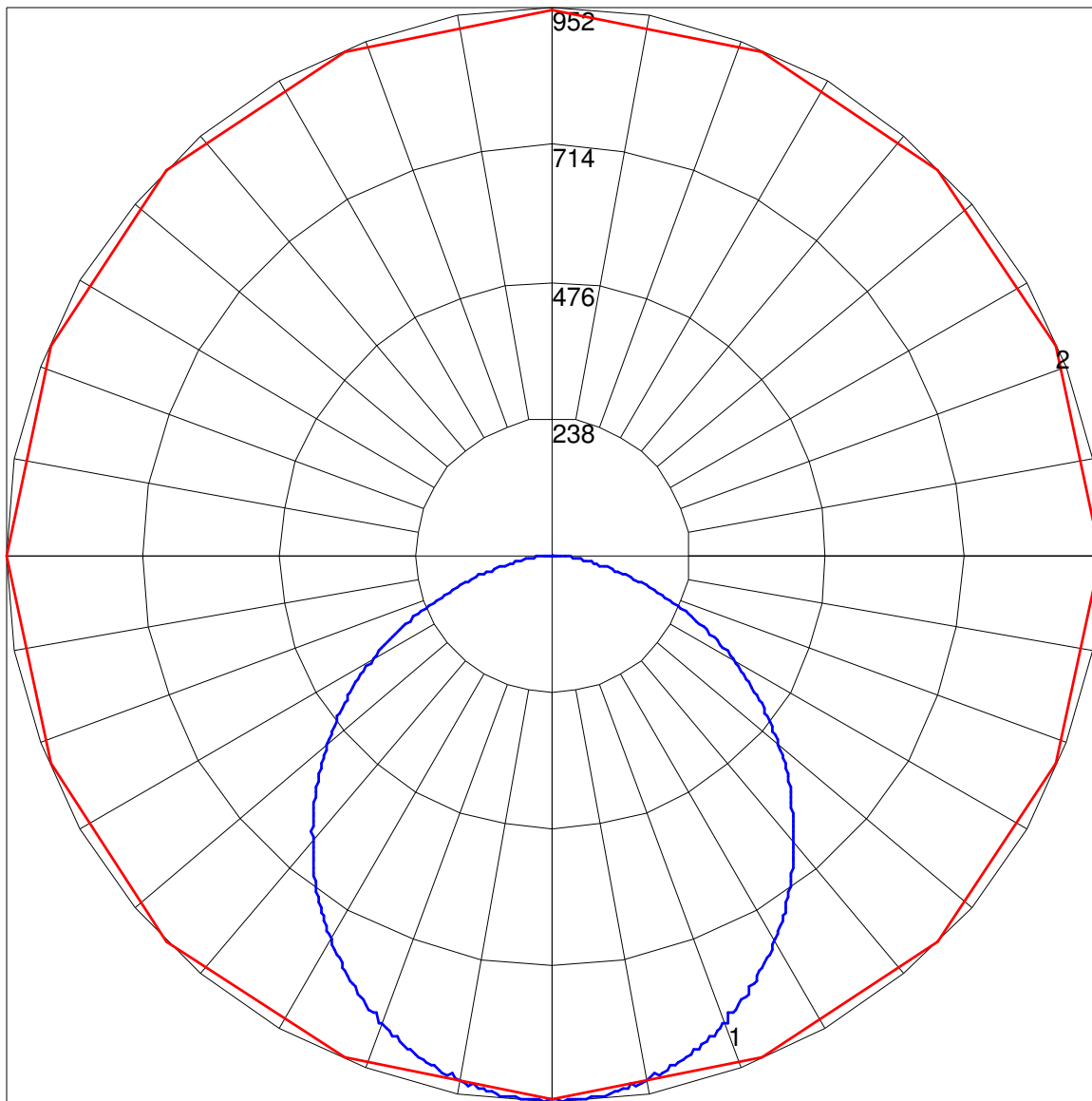
IES INDOOR REPORT
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UGR TABLE - CORRECTED

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	15.4	17.1	15.8	17.4	17.7	17.6	19.3	18.0	19.6	19.9
	3H	17.0	18.5	17.3	18.8	19.1	19.5	21.0	19.9	21.3	21.7
	4H	17.5	18.9	17.8	19.2	19.6	20.1	21.5	20.5	21.8	22.2
	6H	17.7	19.0	18.1	19.4	19.8	20.3	21.6	20.7	22.0	22.4
	8H	17.8	19.0	18.2	19.4	19.8	20.3	21.6	20.8	22.0	22.4
	12H	17.8	19.0	18.2	19.3	19.8	20.3	21.5	20.8	21.9	22.3
4H	2H	16.4	17.8	16.8	18.2	18.5	18.1	19.5	18.5	19.9	20.2
	3H	18.2	19.4	18.6	19.8	20.2	20.2	21.4	20.6	21.8	22.2
	4H	18.8	19.8	19.2	20.2	20.7	20.9	22.0	21.3	22.4	22.8
	6H	19.1	20.1	19.6	20.5	21.0	21.3	22.2	21.7	22.6	23.1
	8H	19.2	20.1	19.6	20.5	21.0	21.3	22.2	21.7	22.6	23.1
	12H	19.2	20.0	19.7	20.5	20.9	21.3	22.1	21.8	22.5	23.0
8H	4H	19.2	20.1	19.7	20.5	21.0	21.1	22.0	21.6	22.4	22.9
	6H	19.7	20.4	20.1	20.9	21.3	21.5	22.2	22.0	22.7	23.2
	8H	19.8	20.4	20.3	20.9	21.4	21.6	22.2	22.1	22.7	23.2
	12H	19.8	20.4	20.3	20.9	21.4	21.6	22.1	22.1	22.6	23.2
12H	4H	19.2	20.0	19.7	20.5	21.0	21.1	21.9	21.6	22.4	22.8
	6H	19.7	20.4	20.2	20.8	21.4	21.5	22.2	22.1	22.6	23.2
	8H	19.8	20.4	20.3	20.9	21.5	21.6	22.2	22.1	22.6	23.2

Maximum UGR = 23.2

POLAR GRAPH



Maximum Candela = 951.896 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.)