

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L33-930-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-L33-930-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	2713
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
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	2769	3203	3642
55	2566	3225	3800
65	2235	3150	3668
75	1622	2556	2795
85	635	650	474

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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	904.573	904.573	904.573	904.573	904.573
0.5	904.234	903.895	904.912	906.606	900.169
1.0	907.622	902.540	905.589	904.573	904.234
1.5	904.912	901.185	904.912	903.895	901.185
2.0	904.234	900.169	901.863	907.622	903.895
2.5	904.573	899.491	901.863	906.267	899.152
3.0	903.557	901.185	903.218	904.234	901.863
3.5	904.573	901.524	899.830	904.234	903.218
4.0	900.169	898.475	902.879	903.218	901.863
4.5	900.846	898.814	899.152	902.540	898.136
5.0	901.185	899.491	900.169	899.830	901.863
5.5	901.524	897.458	899.491	904.573	901.524
6.0	899.152	897.797	897.458	901.524	900.508
6.5	895.764	895.426	899.152	902.201	900.169
7.0	897.458	895.087	897.797	902.201	895.426
7.5	894.748	893.054	895.087	899.491	896.781
8.0	894.071	891.021	896.103	899.152	896.442
8.5	888.989	890.344	894.071	896.103	895.764
9.0	890.683	889.666	894.071	896.442	896.103
9.5	890.683	887.972	890.683	897.797	894.409
10.0	886.617	886.956	889.327	893.732	896.442
10.5	881.874	885.262	889.666	892.715	892.038
11.0	875.098	880.858	885.601	892.038	895.087
11.5	879.841	880.180	883.568	891.699	890.683
12.0	878.486	877.809	882.890	891.360	889.327
12.5	877.470	875.098	882.890	888.989	886.956
13.0	869.678	873.065	879.164	888.989	889.327
13.5	868.661	871.033	879.164	884.923	892.038
14.0	866.628	870.694	877.809	882.890	889.666
14.5	865.951	867.306	873.404	883.907	884.246
15.0	860.869	862.902	872.049	881.535	884.584
15.5	861.208	858.497	869.339	879.841	878.147
16.0	855.109	856.126	869.000	879.164	885.601
16.5	854.771	853.754	865.951	878.147	880.180
17.0	851.044	851.044	863.918	874.421	881.196
17.5	846.979	847.656	860.869	872.727	878.147
18.0	840.203	843.929	858.836	872.727	875.437
18.5	840.880	843.929	857.142	869.678	870.016
19.0	835.460	836.137	851.722	869.000	870.694
19.5	833.088	835.121	851.044	866.967	868.661
20.0	826.312	832.410	846.640	865.612	864.934
20.5	827.329	827.667	845.962	863.579	864.934
21.0	814.455	823.941	841.219	863.579	864.934
21.5	814.793	821.569	839.186	858.836	861.885
22.0	813.777	817.165	835.121	856.465	862.563
22.5	809.034	813.099	832.410	854.771	856.465
23.0	802.258	810.050	832.749	854.093	859.514
23.5	800.903	806.324	826.990	851.044	858.159
24.0	796.160	801.580	825.296	847.317	855.448
24.5	788.706	797.854	821.569	845.623	850.705
25.0	785.318	793.449	818.181	841.219	849.011
25.5	781.592	789.384	814.455	840.880	846.640
26.0	776.510	784.980	810.728	838.848	846.640
26.5	771.089	780.575	806.324	834.782	842.574

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR2XG-L33-930-CA-DIM-UNV (A ONLY).IES****CANDELA TABULATION - (Cont.)**

27.0	768.040	776.849	806.324	832.072	840.203
27.5	762.281	771.428	799.886	830.717	842.235
28.0	755.505	766.346	793.449	828.345	834.443
28.5	752.794	762.281	793.111	825.296	833.088
29.0	747.374	758.554	787.351	823.602	834.443
29.5	742.970	753.472	784.980	817.842	828.345
30.0	737.549	747.713	781.592	817.842	829.700
30.5	731.451	744.663	778.881	814.116	828.006
31.0	728.063	738.565	774.816	811.405	821.908
31.5	721.287	734.161	769.056	808.695	821.908
32.0	717.560	729.418	764.991	805.646	820.214
32.5	710.107	724.336	760.925	803.952	817.842
33.0	706.719	718.915	758.893	799.886	813.438
33.5	700.282	713.495	752.456	794.466	809.711
34.0	694.184	708.074	749.745	795.482	808.017
34.5	688.763	702.992	745.002	789.723	805.646
35.0	682.665	697.571	741.276	788.029	804.630
35.5	677.583	691.134	736.871	783.286	799.209
36.0	671.485	686.730	732.806	780.237	798.531
36.5	665.386	681.310	728.402	777.187	793.111
37.0	659.627	676.228	723.320	772.444	790.062
37.5	652.851	670.129	718.915	770.750	791.078
38.0	645.398	665.048	715.189	765.330	784.980
38.5	641.671	658.949	710.107	763.636	782.608
39.0	634.556	653.867	705.025	758.554	779.220
39.5	627.780	646.753	700.621	756.182	776.171
40.0	622.021	642.010	695.878	752.117	772.783
40.5	615.584	635.573	690.457	747.035	770.073
41.0	609.825	630.491	686.053	743.308	763.636
41.5	603.049	624.731	681.310	739.582	759.232
42.0	595.934	618.633	675.889	733.822	755.505
42.5	589.836	612.196	670.468	729.757	751.101
43.0	583.060	606.775	666.064	726.030	749.745
43.5	576.962	600.000	659.966	721.287	746.019
44.0	570.525	594.240	655.223	716.205	740.937
44.5	564.088	588.142	650.479	712.817	738.226
45.0	557.651	582.044	645.059	707.735	733.483
45.5	550.875	575.268	639.977	704.347	727.385
46.0	543.421	569.508	634.218	699.265	723.997
46.5	536.646	562.733	629.136	693.506	719.254
47.0	531.564	556.295	623.715	688.763	714.172
47.5	523.433	549.520	617.956	684.020	710.107
48.0	517.673	543.421	611.857	678.599	704.009
48.5	510.897	537.323	606.098	672.501	698.249
49.0	504.122	530.886	601.355	668.774	693.167
49.5	495.652	524.110	595.256	661.998	689.440
50.0	489.892	518.351	589.836	656.917	683.342
50.5	482.439	511.236	583.399	651.835	677.583
51.0	475.324	504.460	577.301	645.059	671.146
51.5	467.871	498.023	571.202	638.283	665.386
52.0	461.434	490.909	564.765	634.218	659.288
52.5	454.658	484.133	558.667	628.119	653.190
53.0	446.527	477.357	552.569	619.988	646.753
53.5	439.751	470.920	546.471	614.906	641.671
54.0	432.637	464.144	540.033	607.792	633.879
54.5	424.844	457.368	532.919	601.355	627.442

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55.0	419.085	449.915	526.821	593.563	620.666
55.5	411.970	443.139	519.706	587.125	613.551
56.0	404.856	436.363	513.269	580.688	606.775
56.5	397.402	429.926	506.154	573.235	600.000
57.0	389.949	423.150	499.379	566.120	591.869
57.5	382.834	416.375	492.603	558.328	583.399
58.0	375.381	409.599	485.149	550.875	574.590
58.5	367.589	402.484	478.373	543.760	566.459
59.0	360.474	395.370	471.598	535.629	558.328
59.5	353.021	387.916	464.483	527.837	550.197
60.0	345.567	380.802	456.691	519.706	541.050
60.5	338.114	373.348	449.237	510.897	532.241
61.0	330.491	365.895	441.784	501.750	523.094
61.5	322.936	358.780	433.653	493.280	513.947
62.0	315.347	351.327	426.538	484.472	503.444
62.5	307.656	343.534	419.424	474.986	492.941
63.0	300.135	336.352	411.970	466.177	483.117
63.5	292.343	328.729	404.178	456.352	473.630
64.0	284.551	321.174	395.708	446.527	462.789
64.5	276.691	313.518	387.577	436.702	452.287
65.0	269.034	305.895	379.108	426.538	441.445
65.5	261.208	298.374	370.977	417.730	429.926
66.0	253.382	290.717	362.168	407.566	420.440
66.5	245.488	283.162	353.698	396.725	409.260
67.0	237.662	275.404	344.890	386.222	397.741
67.5	230.073	267.747	335.742	374.703	386.561
68.0	222.213	260.022	326.358	363.862	375.042
68.5	214.353	252.264	317.210	353.021	363.184
69.0	206.629	244.607	307.690	341.502	350.988
69.5	199.006	236.815	298.509	330.423	338.520
70.0	191.553	229.192	288.921	318.769	326.663
70.5	184.065	221.400	279.130	306.945	314.669
71.0	176.443	213.676	269.339	295.426	302.812
71.5	169.192	205.951	259.243	284.144	290.819
72.0	161.705	198.227	249.350	272.693	278.690
72.5	154.455	190.570	239.187	261.073	266.595
73.0	147.408	183.015	229.091	249.418	254.331
73.5	140.294	175.325	218.927	237.594	242.202
74.0	133.281	167.702	208.797	225.737	230.243
74.5	126.471	160.181	198.498	214.286	218.182
75.0	119.526	152.592	188.368	202.902	205.985
75.5	112.716	145.104	178.238	191.451	193.755
76.0	106.008	137.651	168.278	179.864	181.253
76.5	99.401	130.231	158.283	168.210	168.718
77.0	93.100	122.880	148.425	156.488	156.454
77.5	86.764	115.663	138.633	145.003	144.495
78.0	80.666	108.345	129.012	133.619	132.298
78.5	74.602	101.061	119.424	122.338	120.034
79.0	68.673	93.879	110.006	111.022	107.329
79.5	63.015	86.798	100.790	99.571	95.031
80.0	57.595	79.819	91.745	88.187	83.106
80.5	52.309	72.976	82.767	77.041	71.688
81.0	47.261	66.234	73.992	66.369	60.711
81.5	42.383	59.661	65.387	56.205	50.514
82.0	37.809	53.326	57.019	46.652	41.062
82.5	33.473	47.295	48.854	37.945	33.134

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CANDELA TABULATION - (Cont.)

83.0	29.407	41.434	41.028	30.457	26.493
83.5	25.613	35.946	33.642	24.291	21.378
84.0	22.089	30.796	26.900	19.447	17.414
84.5	18.769	25.918	20.971	15.720	14.229
85.0	15.754	21.412	16.126	12.671	11.756
85.5	13.010	17.211	12.298	10.299	9.757
86.0	10.536	13.450	9.385	8.402	8.131
86.5	8.402	10.096	7.216	6.911	6.810
87.0	6.505	7.318	5.590	5.692	5.624
87.5	4.879	5.116	4.438	4.608	4.641
88.0	3.591	3.557	3.456	3.693	3.727
88.5	2.541	2.473	2.676	2.880	2.947
89.0	1.762	1.728	1.999	2.168	2.236
89.5	1.186	1.220	1.457	1.558	1.525
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-L33-930-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-L33-930-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	331.98	N.A.	12.20
0-30	709.21	N.A.	26.10
0-40	1173.81	N.A.	43.30
0-60	2137.89	N.A.	78.80
0-80	2685.9	N.A.	99.00
0-90	2713.27	N.A.	100.00
10-90	2627.63	N.A.	96.80
20-40	841.83	N.A.	31.00
20-50	1339.31	N.A.	49.40
40-70	1325.45	N.A.	48.90
60-80	548.01	N.A.	20.20
70-80	186.63	N.A.	6.90
80-90	27.38	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	2713.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	85.64
10-20	246.34
20-30	377.22
30-40	464.61
40-50	497.48
50-60	466.59
60-70	361.38
70-80	186.63
80-90	27.38
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-L33-930-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	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

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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

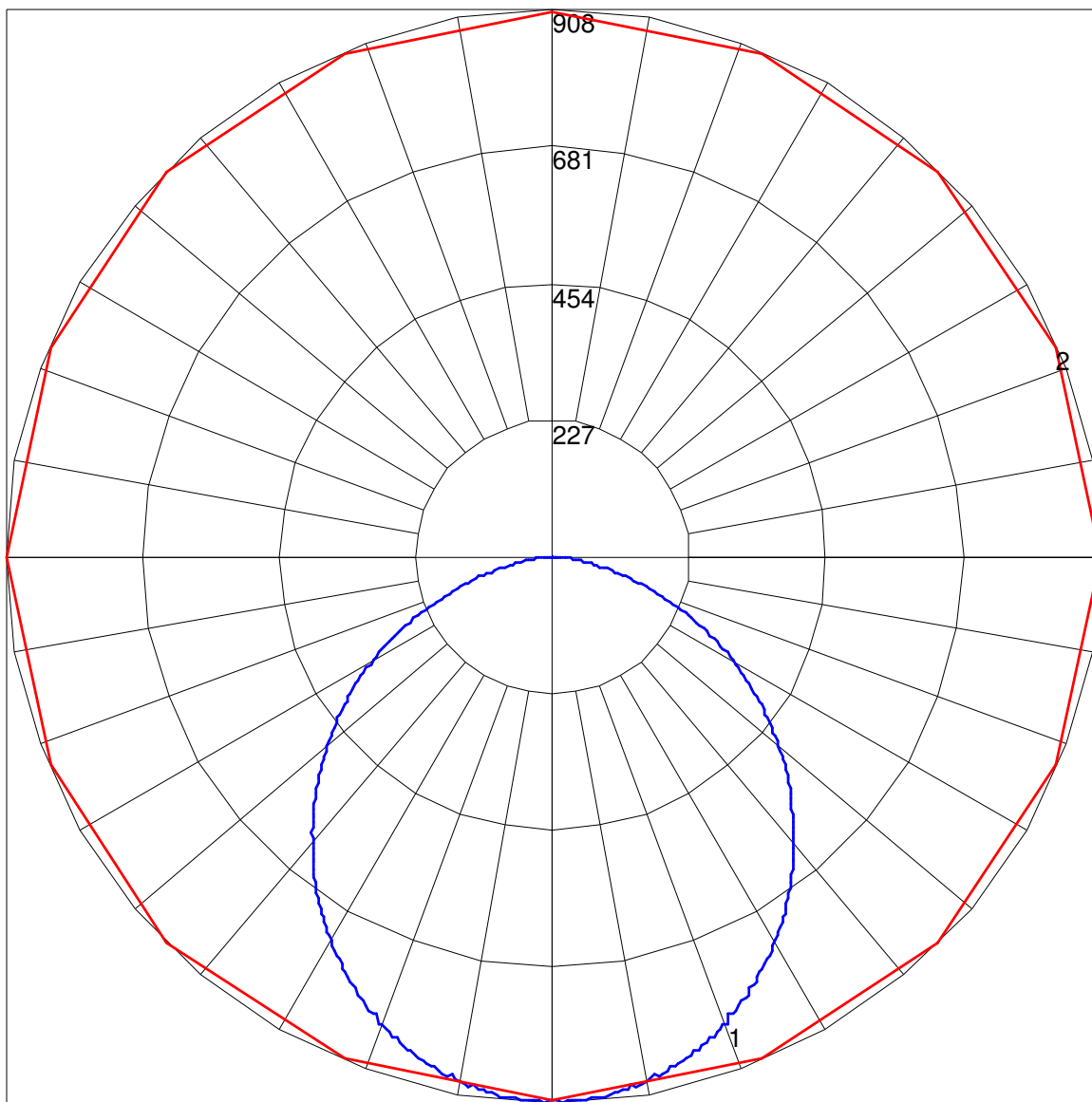
X=2H	Y=2H	15.3	16.9	15.7	17.3	17.6	17.5	19.2	17.9	19.5	19.8
	3H	16.9	18.4	17.2	18.7	19.0	19.4	20.9	19.8	21.2	21.6
	4H	17.3	18.8	17.7	19.1	19.5	20.0	21.4	20.4	21.7	22.1
	6H	17.6	18.9	18.0	19.3	19.7	20.2	21.5	20.6	21.9	22.3
	8H	17.7	18.9	18.1	19.3	19.7	20.2	21.5	20.7	21.9	22.3
	12H	17.7	18.9	18.1	19.2	19.7	20.2	21.4	20.7	21.8	22.2

UGR Viewed Endwise

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 = 907.622 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.)