

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2XG-L33-950-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-L33-950-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	2945
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
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	3006	3477	3953
55	2785	3501	4124
65	2426	3419	3981
75	1760	2774	3033
85	689	705	514

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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	981.793	981.793	981.793	981.793	981.793
0.5	981.425	981.057	982.160	983.999	977.012
1.0	985.102	979.586	982.896	981.793	981.425
1.5	982.160	978.115	982.160	981.057	978.115
2.0	981.425	977.012	978.851	985.102	981.057
2.5	981.793	976.277	978.851	983.631	975.909
3.0	980.689	978.115	980.322	981.425	978.851
3.5	981.793	978.483	976.645	981.425	980.322
4.0	977.012	975.174	979.954	980.322	978.851
4.5	977.748	975.541	975.909	979.586	974.806
5.0	978.115	976.277	977.012	976.645	978.851
5.5	978.483	974.071	976.277	981.793	978.483
6.0	975.909	974.438	974.071	978.483	977.380
6.5	972.232	971.864	975.909	979.219	977.012
7.0	974.071	971.497	974.438	979.219	971.864
7.5	971.129	969.290	971.497	976.277	973.335
8.0	970.394	967.084	972.600	975.909	972.968
8.5	964.878	966.349	970.394	972.600	972.232
9.0	966.716	965.613	970.394	972.968	972.600
9.5	966.716	963.775	966.716	974.438	970.761
10.0	962.304	962.672	965.246	970.026	972.968
10.5	957.156	960.833	965.613	968.923	968.187
11.0	949.802	956.053	961.201	968.187	971.497
11.5	954.950	955.317	958.994	967.820	966.716
12.0	953.479	952.743	958.259	967.452	965.246
12.5	952.376	949.802	958.259	964.878	962.672
13.0	943.918	947.595	954.214	964.878	965.246
13.5	942.815	945.389	954.214	960.465	968.187
14.0	940.609	945.021	952.743	958.259	965.613
14.5	939.873	941.344	947.963	959.362	959.730
15.0	934.358	936.564	946.492	956.788	960.098
15.5	934.725	931.784	943.550	954.950	953.111
16.0	928.107	929.210	943.183	954.214	961.201
16.5	927.739	926.636	939.873	953.111	955.317
17.0	923.694	923.694	937.667	949.066	956.420
17.5	919.281	920.017	934.358	947.228	953.111
18.0	911.927	915.972	932.151	947.228	950.169
18.5	912.663	915.972	930.313	943.918	944.286
19.0	906.779	907.515	924.429	943.183	945.021
19.5	904.205	906.412	923.694	940.977	942.815
20.0	896.851	903.470	918.914	939.506	938.770
20.5	897.954	898.322	918.178	937.299	938.770
21.0	883.981	894.277	913.030	937.299	938.770
21.5	884.349	891.703	910.824	932.151	935.461
22.0	883.246	886.923	906.412	929.577	936.196
22.5	878.098	882.510	903.470	927.739	929.577
23.0	870.743	879.201	903.838	927.003	932.887
23.5	869.273	875.156	897.586	923.694	931.416
24.0	864.125	870.008	895.748	919.649	928.474
24.5	856.035	865.963	891.703	917.811	923.326
25.0	852.358	861.183	888.026	913.030	921.488
25.5	848.313	856.770	883.981	912.663	918.914
26.0	842.797	851.990	879.936	910.456	918.914
26.5	836.914	847.210	875.156	906.044	914.501

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27.0	833.604	843.165	875.156	903.102	911.927
27.5	827.353	837.282	868.169	901.631	914.133
28.0	819.999	831.766	861.183	899.057	905.676
28.5	817.057	827.353	860.815	895.748	904.205
29.0	811.174	823.308	854.564	893.909	905.676
29.5	806.394	817.793	851.990	887.658	899.057
30.0	800.510	811.542	848.313	887.658	900.528
30.5	793.891	808.232	845.371	883.613	898.690
31.0	790.214	801.613	840.959	880.672	892.071
31.5	782.860	796.833	834.708	877.730	892.071
32.0	778.815	791.685	830.295	874.421	890.232
32.5	770.726	786.170	825.882	872.582	887.658
33.0	767.048	780.286	823.676	868.169	882.878
33.5	760.062	774.403	816.690	862.286	878.833
34.0	753.443	768.519	813.748	863.389	876.995
34.5	747.560	763.004	808.600	857.138	874.421
35.0	740.941	757.120	804.555	855.299	873.317
35.5	735.425	750.134	799.775	850.152	867.434
36.0	728.806	745.353	795.362	846.842	866.699
36.5	722.188	739.470	790.582	843.533	860.815
37.0	715.936	733.954	785.066	838.385	857.506
37.5	708.582	727.335	780.286	836.546	858.609
38.0	700.492	721.820	776.241	830.663	851.990
38.5	696.448	715.201	770.726	828.824	849.416
39.0	688.726	709.685	765.210	823.308	845.739
39.5	681.371	701.963	760.430	820.734	842.430
40.0	675.120	696.815	755.282	816.322	838.752
40.5	668.134	689.829	749.398	810.806	835.811
41.0	661.883	684.313	744.618	806.761	828.824
41.5	654.528	678.062	739.470	802.717	824.044
42.0	646.806	671.443	733.587	796.465	819.999
42.5	640.188	664.457	727.703	792.053	815.219
43.0	632.833	658.573	722.923	788.008	813.748
43.5	626.215	651.219	716.304	782.860	809.703
44.0	619.228	644.968	711.156	777.344	804.187
44.5	612.241	638.349	706.008	773.667	801.246
45.0	605.255	631.730	700.125	768.152	796.098
45.5	597.901	624.376	694.609	764.474	789.479
46.0	589.811	618.125	688.358	758.959	785.802
46.5	582.457	610.771	682.842	752.708	780.654
47.0	576.941	603.784	676.959	747.560	775.138
47.5	568.116	596.430	670.708	742.412	770.726
48.0	561.865	589.811	664.089	736.528	764.107
48.5	554.511	583.192	657.838	729.909	757.856
49.0	547.156	576.206	652.690	725.865	752.340
49.5	537.964	568.851	646.071	718.510	748.295
50.0	531.712	562.600	640.188	712.995	741.676
50.5	523.623	554.878	633.201	707.479	735.425
51.0	515.901	547.524	626.582	700.125	728.439
51.5	507.811	540.538	619.963	692.771	722.188
52.0	500.825	532.816	612.977	688.358	715.569
52.5	493.470	525.461	606.358	681.739	708.950
53.0	484.645	518.107	599.739	672.914	701.963
53.5	477.291	511.120	593.120	667.398	696.448
54.0	469.569	503.766	586.134	659.676	687.990
54.5	461.112	496.412	578.412	652.690	681.004

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55.0	454.860	488.322	571.793	644.232	673.649
55.5	447.139	480.968	564.071	637.246	665.927
56.0	439.417	473.614	557.085	630.259	658.573
56.5	431.327	466.627	549.363	622.170	651.219
57.0	423.237	459.273	542.008	614.448	642.394
57.5	415.515	451.919	534.654	605.990	633.201
58.0	407.426	444.565	526.564	597.901	623.641
58.5	398.968	436.843	519.210	590.179	614.815
59.0	391.246	429.121	511.856	581.354	605.990
59.5	383.157	421.031	504.134	572.896	597.165
60.0	375.067	413.309	495.677	564.071	587.237
60.5	366.977	405.219	487.587	554.511	577.676
61.0	358.704	397.130	479.497	544.582	567.748
61.5	350.504	389.408	470.672	535.390	557.820
62.0	342.267	381.318	462.950	525.829	546.421
62.5	333.920	372.861	455.228	515.533	535.022
63.0	325.757	365.065	447.139	505.973	524.358
63.5	317.299	356.792	438.681	495.309	514.062
64.0	308.842	348.592	429.488	484.645	502.295
64.5	300.311	340.281	420.663	473.982	490.896
65.0	292.001	332.008	411.470	462.950	479.130
65.5	283.506	323.844	402.645	453.390	466.627
66.0	275.012	315.534	393.085	442.358	456.331
66.5	266.445	307.334	383.892	430.591	444.197
67.0	257.950	298.914	374.331	419.192	431.695
67.5	249.714	290.603	364.403	406.690	419.560
68.0	241.183	282.219	354.218	394.923	407.058
68.5	232.652	273.799	344.289	383.157	394.188
69.0	224.268	265.488	333.957	370.654	380.950
69.5	215.994	257.031	323.992	358.630	367.418
70.0	207.905	248.758	313.585	345.981	354.548
70.5	199.778	240.300	302.958	333.148	341.531
71.0	191.505	231.916	292.332	320.645	328.662
71.5	183.636	223.532	281.374	308.401	315.644
72.0	175.509	215.149	270.636	295.972	302.480
72.5	167.640	206.838	259.605	283.359	289.353
73.0	159.992	198.638	248.647	270.710	276.042
73.5	152.270	190.291	237.616	257.877	262.878
74.0	144.658	182.018	226.621	245.007	249.897
74.5	137.267	173.855	215.443	232.578	236.807
75.0	129.729	165.618	204.448	220.223	223.569
75.5	122.338	157.491	193.454	207.794	210.295
76.0	115.057	149.402	182.643	195.219	196.726
76.5	107.887	141.349	171.795	182.569	183.121
77.0	101.047	133.369	161.095	169.846	169.810
77.5	94.171	125.537	150.468	157.381	156.829
78.0	87.552	117.594	140.025	145.026	143.592
78.5	80.970	109.689	129.619	132.781	130.281
79.0	74.535	101.893	119.396	120.499	116.491
79.5	68.395	94.208	109.394	108.071	103.143
80.0	62.511	86.633	99.577	95.716	90.200
80.5	56.775	79.205	89.832	83.618	77.808
81.0	51.296	71.888	80.308	72.035	65.894
81.5	46.001	64.754	70.969	61.004	54.826
82.0	41.037	57.878	61.886	50.634	44.567
82.5	36.330	51.333	53.024	41.184	35.962

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CANDELA TABULATION - (Cont.)

83.0	31.917	44.971	44.530	33.057	28.755
83.5	27.799	39.014	36.514	26.365	23.203
84.0	23.975	33.425	29.196	21.107	18.900
84.5	20.371	28.130	22.761	17.062	15.444
85.0	17.099	23.239	17.503	13.752	12.760
85.5	14.120	18.680	13.348	11.178	10.590
86.0	11.436	14.598	10.186	9.119	8.825
86.5	9.119	10.958	7.832	7.501	7.391
87.0	7.060	7.943	6.067	6.178	6.104
87.5	5.295	5.552	4.817	5.001	5.038
88.0	3.898	3.861	3.751	4.008	4.045
88.5	2.758	2.684	2.905	3.126	3.199
89.0	1.912	1.875	2.170	2.353	2.427
89.5	1.287	1.324	1.581	1.691	1.655
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-L33-950-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-L33-950-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-L33-950-CA-DIM-UNV (A ONLY).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	360.33	N.A.	12.20
0-30	769.75	N.A.	26.10
0-40	1274.02	N.A.	43.30
0-60	2320.39	N.A.	78.80
0-80	2915.18	N.A.	99.00
0-90	2944.9	N.A.	100.00
10-90	2851.94	N.A.	96.80
20-40	913.69	N.A.	31.00
20-50	1453.64	N.A.	49.40
40-70	1438.6	N.A.	48.90
60-80	594.79	N.A.	20.20
70-80	202.56	N.A.	6.90
80-90	29.71	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	2944.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.95
10-20	267.37
20-30	409.43
30-40	504.27
40-50	539.95
50-60	506.42
60-70	392.23
70-80	202.56
80-90	29.71
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-L33-950-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	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

PHOTOMETRIC FILENAME : CMR2XG-L33-950-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

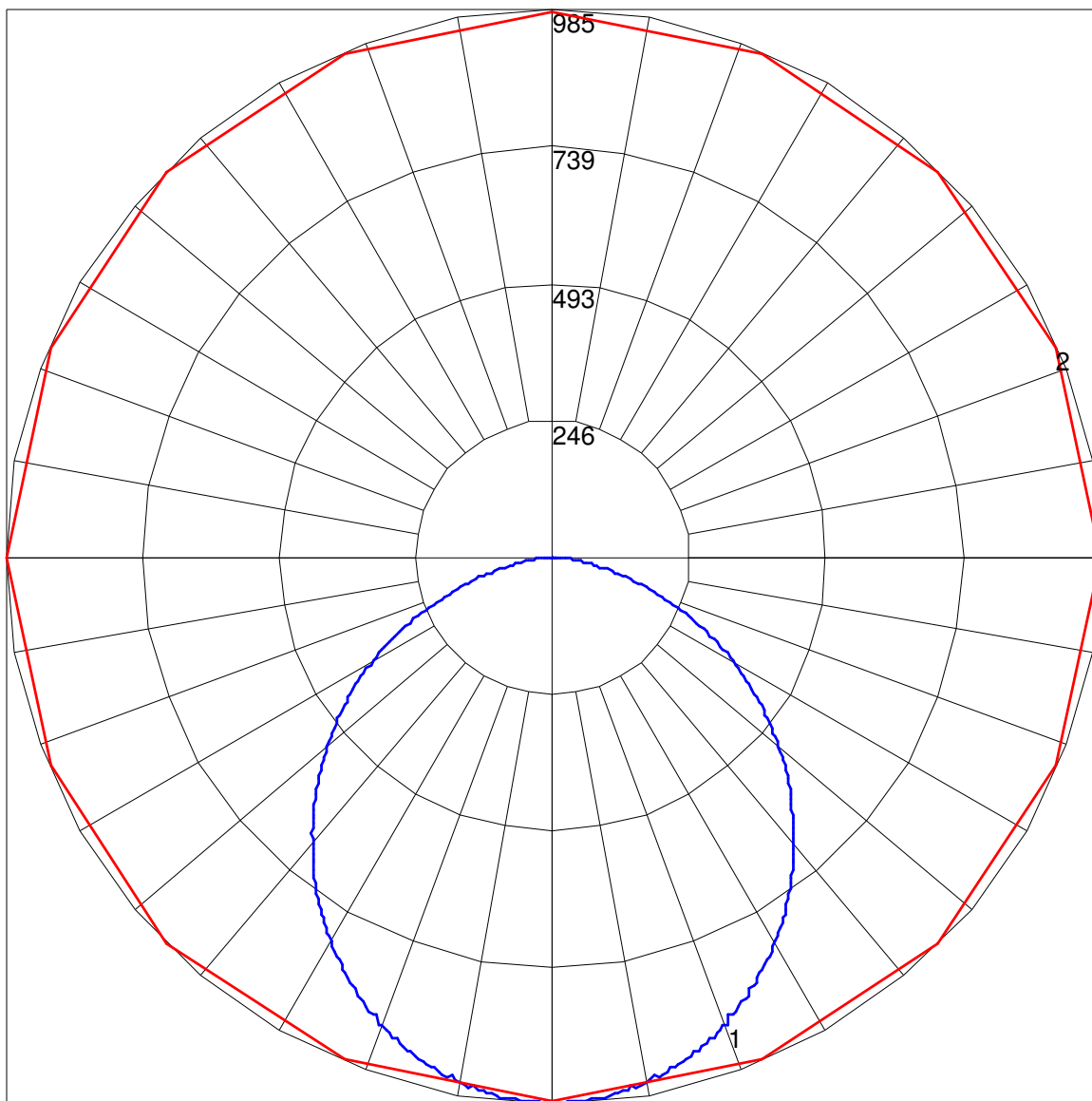
X=2H	Y=2H	15.6	17.2	16.0	17.6	17.9	17.8	19.5	18.2	19.8	20.1
	3H	17.2	18.7	17.5	19.0	19.3	19.7	21.2	20.1	21.5	21.9
	4H	17.6	19.1	18.0	19.4	19.8	20.3	21.7	20.7	22.0	22.4
	6H	17.9	19.2	18.3	19.6	20.0	20.5	21.8	20.9	22.2	22.6
	8H	18.0	19.2	18.4	19.6	20.0	20.5	21.8	21.0	22.2	22.6
	12H	18.0	19.2	18.4	19.5	20.0	20.5	21.7	21.0	22.1	22.5

UGR Viewed Endwise

4H	2H	16.6	18.0	17.0	18.4	18.7	18.3	19.7	18.7	20.1	20.4
	3H	18.4	19.6	18.8	20.0	20.4	20.4	21.6	20.8	22.0	22.4
	4H	19.0	20.0	19.4	20.4	20.9	21.1	22.2	21.5	22.6	23.0
	6H	19.3	20.3	19.8	20.7	21.2	21.5	22.4	21.9	22.8	23.3
	8H	19.4	20.3	19.8	20.7	21.2	21.5	22.4	21.9	22.8	23.3
	12H	19.4	20.2	19.9	20.7	21.1	21.5	22.3	22.0	22.7	23.2
8H	4H	19.4	20.3	19.9	20.7	21.2	21.3	22.2	21.8	22.6	23.1
	6H	19.8	20.6	20.3	21.1	21.5	21.7	22.4	22.2	22.9	23.4
	8H	20.0	20.6	20.5	21.1	21.6	21.8	22.4	22.3	22.9	23.4
	12H	20.0	20.6	20.5	21.1	21.6	21.8	22.3	22.3	22.8	23.4
12H	4H	19.4	20.2	19.9	20.7	21.2	21.3	22.1	21.8	22.6	23.0
	6H	19.9	20.6	20.4	21.0	21.6	21.7	22.4	22.3	22.8	23.4
	8H	20.0	20.6	20.5	21.1	21.7	21.8	22.4	22.3	22.8	23.4

Maximum UGR = 23.4

POLAR GRAPH



Maximum Candela = 985.102 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.)