

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2AEG-L33-930-CA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155668.03

[TESTLAB] UL, LLC

[ISSUEDATE] 2026-08-07

[TESTDATE] 3/17/2026

[MANUFAC] H E Williams Inc

[LUMCAT] CMR2AEG-L33-930-CA-DIM-UNV (A&E)

[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	7113
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	75.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.26
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	8513	8176	7980
55	7642	7483	7322
65	6589	6576	6433
75	5115	4998	4692
85	2934	1378	868

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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	2997.321	2997.321	2997.321	2997.321	2997.321
0.5	3000.244	2993.382	2999.617	3000.006	2987.698
1.0	3002.327	2991.374	3000.294	2997.321	2991.111
1.5	2998.964	2988.714	2997.660	2994.686	2986.105
2.0	2997.634	2987.045	2993.958	2997.108	2986.858
2.5	2996.669	2985.063	2992.001	2993.144	2980.158
3.0	2994.347	2985.452	2991.399	2988.502	2979.606
3.5	2993.407	2983.834	2984.750	2984.587	2977.700
4.0	2987.045	2978.176	2985.189	2980.309	2971.778
4.5	2985.766	2975.905	2977.548	2975.065	2962.833
5.0	2984.800	2973.973	2975.303	2967.136	2961.993
5.5	2981.225	2968.679	2970.059	2967.313	2956.435
6.0	2976.244	2965.756	2963.460	2958.392	2949.548
6.5	2969.594	2959.470	2960.587	2952.546	2942.685
7.0	2967.374	2954.565	2954.013	2946.675	2930.114
7.5	2960.749	2948.618	2945.432	2936.137	2923.641
8.0	2956.158	2942.019	2940.577	2928.622	2914.822
8.5	2946.509	2936.122	2932.021	2917.745	2906.968
9.0	2942.985	2930.226	2925.497	2909.603	2898.826
9.5	2938.418	2923.965	2914.933	2902.477	2887.347
10.0	2929.134	2917.078	2906.402	2889.279	2879.595
10.5	2919.824	2909.513	2898.913	2878.477	2864.753
11.0	2907.177	2898.585	2886.367	2868.014	2856.059
11.5	2906.701	2892.036	2875.853	2857.238	2841.870
12.0	2901.432	2883.793	2866.043	2846.462	2829.425
12.5	2891.935	2874.560	2856.910	2832.348	2815.963
13.0	2876.315	2864.699	2844.050	2821.258	2805.940
13.5	2868.775	2853.533	2834.265	2806.102	2796.256
14.0	2858.914	2844.714	2822.472	2791.675	2781.489
14.5	2850.408	2832.193	2807.630	2780.296	2763.022
15.0	2837.498	2819.308	2796.490	2765.530	2749.661
15.5	2830.009	2806.423	2783.342	2750.137	2729.525
16.0	2815.430	2794.918	2772.565	2736.412	2723.931
16.5	2807.263	2782.762	2757.774	2722.349	2704.159
17.0	2793.751	2770.266	2742.694	2704.270	2690.171
17.5	2780.552	2757.093	2727.250	2688.877	2672.770
18.0	2765.296	2742.928	2712.823	2674.525	2654.403
18.5	2755.536	2732.491	2698.082	2656.472	2633.978
19.0	2740.330	2714.261	2679.614	2642.095	2619.652
19.5	2728.825	2702.155	2665.890	2624.406	2600.658
20.0	2710.960	2688.354	2648.438	2607.394	2581.275
20.5	2702.191	2673.174	2634.714	2590.357	2565.618
21.0	2678.879	2657.704	2615.619	2575.353	2549.309
21.5	2668.128	2643.591	2599.234	2554.954	2529.951
22.0	2656.021	2627.444	2581.469	2536.273	2514.320
22.5	2640.188	2610.984	2565.060	2518.270	2491.913
23.0	2621.670	2596.192	2550.394	2501.284	2478.001
23.5	2609.225	2580.071	2529.631	2482.578	2459.685
24.0	2591.435	2562.281	2512.933	2461.890	2440.666
24.5	2572.239	2545.507	2493.549	2443.888	2418.961
25.0	2556.456	2528.056	2475.810	2422.522	2400.306
25.5	2540.335	2510.943	2456.427	2405.222	2380.321
26.0	2522.858	2492.187	2437.043	2386.881	2363.360
26.5	2504.391	2474.736	2416.983	2365.854	2341.681

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CANDELA TABULATION - (Cont.)

27.0	2487.642	2456.657	2401.326	2346.183	2322.348
27.5	2468.183	2437.537	2378.580	2327.866	2306.767
28.0	2446.403	2418.103	2356.487	2308.534	2281.362
28.5	2428.689	2399.686	2340.492	2289.176	2262.393
29.0	2409.569	2381.608	2317.771	2269.868	2246.135
29.5	2391.465	2361.522	2299.091	2246.495	2221.771
30.0	2371.040	2340.758	2280.046	2229.534	2206.817
30.5	2351.243	2323.357	2261.027	2208.194	2187.509
31.0	2332.851	2302.255	2240.653	2187.870	2164.450
31.5	2312.375	2282.194	2217.932	2168.198	2147.489
32.0	2293.645	2261.795	2197.558	2147.536	2128.181
32.5	2271.187	2241.056	2176.531	2127.576	2108.196
33.0	2253.447	2219.979	2158.190	2106.549	2086.831
33.5	2232.006	2199.554	2135.444	2084.820	2066.143
34.0	2210.252	2177.825	2115.772	2068.223	2046.835
34.5	2189.827	2157.087	2094.720	2045.502	2028.155
35.0	2168.072	2136.009	2074.032	2026.847	2008.873
35.5	2148.638	2113.264	2052.667	2005.143	1985.839
36.0	2126.884	2093.203	2032.293	1984.480	1966.243
36.5	2105.129	2071.473	2010.927	1963.817	1944.513
37.0	2084.365	2050.083	1988.884	1940.808	1924.503
37.5	2061.281	2027.676	1968.823	1922.153	1909.211
38.0	2036.866	2006.937	1948.135	1900.424	1886.151
38.5	2017.483	1983.878	1926.092	1882.421	1867.471
39.0	1995.364	1962.487	1902.745	1860.378	1847.774
39.5	1971.627	1939.064	1880.727	1841.697	1828.416
40.0	1950.211	1918.012	1859.023	1821.976	1808.719
40.5	1927.465	1895.266	1837.293	1799.932	1789.700
41.0	1904.093	1873.875	1816.580	1780.549	1766.954
41.5	1881.008	1851.155	1794.876	1760.514	1746.894
42.0	1856.932	1828.095	1773.799	1739.098	1726.858
42.5	1833.873	1804.045	1751.417	1718.724	1706.797
43.0	1810.788	1780.358	1732.008	1699.340	1689.133
43.5	1787.076	1757.273	1709.601	1678.941	1669.098
44.0	1762.373	1735.205	1688.549	1658.202	1647.707
44.5	1737.018	1712.146	1668.150	1639.158	1628.688
45.0	1714.272	1689.739	1646.420	1618.420	1606.984
45.5	1691.188	1666.654	1625.682	1599.375	1584.577
46.0	1666.773	1644.586	1603.614	1577.985	1565.532
46.5	1643.036	1621.501	1582.875	1556.569	1544.480
47.0	1620.993	1598.755	1562.451	1535.517	1523.742
47.5	1596.553	1575.671	1541.035	1515.117	1504.020
48.0	1573.832	1553.264	1519.280	1493.388	1482.265
48.5	1550.748	1531.509	1497.864	1471.633	1460.849
49.0	1527.663	1508.763	1478.117	1452.250	1440.111
49.5	1502.232	1485.678	1456.362	1429.818	1421.380
50.0	1480.816	1464.262	1435.937	1409.732	1400.930
50.5	1457.054	1440.839	1414.496	1388.993	1380.167
51.0	1433.631	1418.407	1393.394	1367.213	1358.726
51.5	1409.868	1396.313	1372.292	1345.433	1338.614
52.0	1387.123	1373.542	1350.850	1326.364	1318.164
52.5	1364.690	1351.110	1329.748	1305.914	1297.584
53.0	1340.250	1329.330	1308.646	1282.779	1276.599
53.5	1317.166	1307.236	1287.543	1263.280	1258.340
54.0	1293.742	1284.804	1266.102	1241.748	1236.261
54.5	1270.294	1262.372	1243.331	1221.155	1216.125

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55.0	1248.225	1239.914	1222.229	1198.946	1196.041
55.5	1225.454	1218.134	1200.110	1178.614	1175.618
56.0	1202.031	1196.354	1178.016	1158.216	1155.404
56.5	1178.921	1174.261	1156.159	1137.194	1135.125
57.0	1155.159	1153.133	1134.574	1116.380	1114.077
57.5	1133.040	1131.353	1112.990	1095.215	1092.560
58.0	1109.930	1109.573	1090.794	1074.453	1071.161
58.5	1085.829	1087.455	1069.601	1054.161	1050.244
59.0	1063.710	1065.336	1048.277	1033.048	1029.457
59.5	1040.601	1043.531	1026.746	1012.274	1009.062
60.0	1018.143	1021.673	1004.798	991.553	987.912
60.5	995.033	999.868	983.449	969.958	966.904
61.0	972.276	977.997	962.101	948.155	945.884
61.5	949.586	956.531	940.074	927.291	925.190
62.0	926.928	934.726	919.130	906.609	903.010
62.5	904.494	912.908	898.316	885.054	880.896
63.0	882.230	891.765	877.359	864.243	859.850
63.5	860.021	870.313	856.063	842.610	839.405
64.0	837.355	848.862	834.350	821.173	817.278
64.5	815.012	827.506	813.042	799.802	795.881
65.0	793.069	806.119	791.460	778.287	774.276
65.5	770.891	784.964	770.347	758.127	751.993
66.0	748.975	763.999	748.687	736.939	731.873
66.5	727.120	743.005	727.627	714.942	710.321
67.0	705.138	721.809	706.097	693.546	688.495
67.5	683.654	700.909	684.621	671.263	666.942
68.0	662.160	679.681	662.711	649.723	645.312
68.5	640.601	658.354	641.560	628.444	623.408
69.0	619.307	636.867	620.037	606.422	601.296
69.5	598.181	615.636	598.983	585.102	579.173
70.0	577.158	594.510	577.653	563.336	557.400
70.5	556.233	573.214	556.250	541.466	536.013
71.0	535.237	552.182	534.977	519.966	514.631
71.5	515.005	531.345	513.596	498.964	493.113
72.0	494.731	510.639	492.613	477.728	471.656
72.5	474.369	490.326	471.490	456.583	450.363
73.0	454.601	470.050	450.630	435.469	429.161
73.5	434.700	449.704	429.898	414.252	407.965
74.0	415.358	429.882	409.330	393.391	387.329
74.5	396.153	410.162	388.789	372.742	366.592
75.0	377.009	390.439	368.417	352.421	345.850
75.5	358.066	371.210	348.372	332.164	325.400
76.0	339.681	352.014	328.691	312.096	304.679
76.5	321.462	333.244	309.042	292.092	284.250
77.0	303.679	314.410	289.789	272.085	264.418
77.5	286.123	296.039	270.735	252.641	244.892
78.0	268.870	277.762	251.980	233.495	225.324
78.5	251.977	259.714	233.325	214.645	205.883
79.0	235.349	241.898	215.165	195.893	186.133
79.5	219.384	224.314	197.469	177.266	166.855
80.0	203.787	207.093	180.204	158.902	148.210
80.5	188.521	190.203	163.267	140.776	130.074
81.0	173.622	173.546	146.925	123.320	112.573
81.5	159.154	157.384	130.883	106.437	95.722
82.0	145.252	141.785	115.469	90.424	79.681
82.5	131.847	126.752	100.390	75.064	64.773

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CANDELA TABULATION - (Cont.)

83.0	118.975	112.149	85.779	60.792	50.631
83.5	106.635	98.180	71.870	47.124	37.491
84.0	94.827	85.007	58.735	34.646	29.874
84.5	83.548	72.430	46.348	27.332	25.254
85.0	72.835	60.618	34.197	22.848	21.541
85.5	62.719	49.567	23.258	19.236	18.368
86.0	53.135	39.283	17.996	16.100	15.568
86.5	44.086	29.797	14.523	13.435	13.072
87.0	35.730	21.017	11.657	11.106	10.778
87.5	27.907	12.357	9.266	8.848	8.751
88.0	20.813	8.124	7.174	6.889	6.728
88.5	14.414	5.865	5.286	5.098	5.035
89.0	9.003	3.946	3.565	3.473	3.475
89.5	4.448	2.394	2.240	2.211	2.046
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 : CMR2AEG-L33-930-CA-DIM-UNV_.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 : CMR2AEG-L33-930-CA-DIM-UNV_.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 : CMR2AEG-L33-930-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1067.94	N.A.	15.00
0-30	2207.42	N.A.	31.00
0-40	3508.35	N.A.	49.30
0-60	5875.69	N.A.	82.60
0-80	7048.58	N.A.	99.10
0-90	7113.16	N.A.	100.00
10-90	6831.59	N.A.	96.00
20-40	2440.41	N.A.	34.30
20-50	3716.15	N.A.	52.20
40-70	3148.83	N.A.	44.30
60-80	1172.89	N.A.	16.50
70-80	391.40	N.A.	5.50
80-90	64.58	N.A.	0.90
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	7113.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	281.57
10-20	786.37
20-30	1139.48
30-40	1300.93
40-50	1275.74
50-60	1091.6
60-70	781.50
70-80	391.40
80-90	64.58
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 : CMR2AEG-L33-930-CA-DIM-UNV_.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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	35	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2AEG-L33-930-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

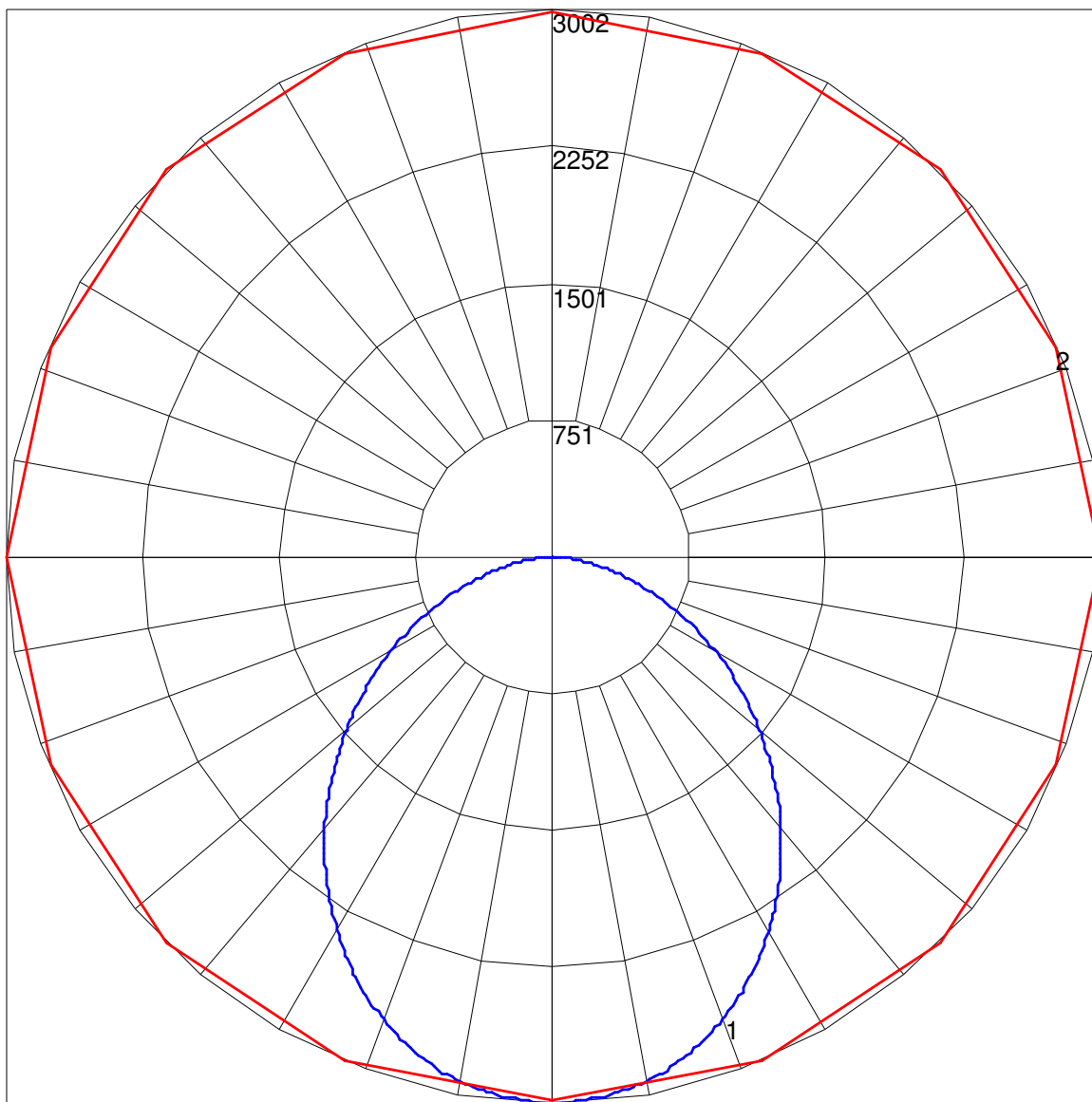
Reflectances

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	19.0	20.6	19.4	20.9	21.2	18.8	20.4	19.2	20.7	21.0
	3H	20.6	22.1	21.0	22.4	22.7	20.4	21.8	20.8	22.1	22.5
	4H	21.2	22.5	21.6	22.8	23.2	20.9	22.2	21.3	22.5	22.9
	6H	21.5	22.7	21.9	23.1	23.5	21.1	22.3	21.5	22.7	23.1
	8H	21.6	22.7	22.0	23.1	23.5	21.1	22.3	21.5	22.7	23.1
	12H	21.6	22.7	22.0	23.1	23.5	21.1	22.2	21.5	22.6	23.0
4H	2H	19.6	20.9	20.0	21.3	21.6	19.4	20.7	19.8	21.1	21.5
	3H	21.4	22.5	21.8	22.9	23.3	21.2	22.3	21.6	22.7	23.1
	4H	22.0	23.0	22.5	23.5	23.9	21.8	22.8	22.2	23.2	23.6
	6H	22.5	23.4	22.9	23.8	24.3	22.1	22.9	22.5	23.4	23.8
	8H	22.6	23.4	23.1	23.8	24.3	22.1	22.9	22.5	23.3	23.8
	12H	22.7	23.4	23.1	23.9	24.3	22.1	22.8	22.6	23.3	23.7
8H	4H	22.3	23.1	22.7	23.5	24.0	22.0	22.8	22.5	23.2	23.7
	6H	22.8	23.4	23.3	23.9	24.4	22.3	23.0	22.8	23.5	24.0
	8H	22.9	23.5	23.4	24.0	24.5	22.4	23.0	22.9	23.5	24.0
	12H	23.0	23.5	23.5	24.0	24.6	22.4	22.9	22.9	23.4	24.0
12H	4H	22.3	23.0	22.7	23.5	23.9	22.0	22.7	22.5	23.2	23.7
	6H	22.8	23.4	23.3	23.8	24.4	22.4	23.0	22.9	23.4	24.0
	8H	22.9	23.5	23.5	24.0	24.5	22.4	23.0	22.9	23.5	24.0

Maximum UGR = 24.6

POLAR GRAPH



Maximum Candela = 3002.327 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.)