

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2AEG-L33-827-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-L33-827-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	8414
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
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	10070	9672	9440
55	9040	8851	8662
65	7795	7779	7610
75	6051	5913	5551
85	3471	1630	1027

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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	3545.611	3545.611	3545.611	3545.611	3545.611
0.5	3549.069	3540.951	3548.327	3548.788	3534.228
1.0	3551.533	3538.577	3549.129	3545.611	3538.265
1.5	3547.555	3535.430	3546.012	3542.495	3532.343
2.0	3545.982	3533.456	3541.633	3545.360	3533.234
2.5	3544.840	3531.111	3539.318	3540.670	3525.309
3.0	3542.094	3531.572	3538.606	3535.179	3524.656
3.5	3540.981	3529.657	3530.740	3530.548	3522.401
4.0	3533.456	3522.964	3531.260	3525.488	3515.396
4.5	3531.943	3520.278	3522.222	3519.284	3504.814
5.0	3530.800	3517.993	3519.566	3509.905	3503.821
5.5	3526.571	3511.730	3513.363	3510.114	3497.247
6.0	3520.679	3508.272	3505.556	3499.562	3489.099
6.5	3512.813	3500.836	3502.158	3492.646	3480.982
7.0	3510.186	3495.034	3494.382	3485.701	3466.111
7.5	3502.350	3487.999	3484.230	3473.235	3458.453
8.0	3496.918	3480.193	3478.487	3464.346	3448.021
8.5	3485.505	3473.218	3468.366	3451.478	3438.731
9.0	3481.335	3466.243	3460.649	3441.847	3429.100
9.5	3475.934	3458.837	3448.153	3433.418	3415.520
10.0	3464.951	3450.690	3438.061	3417.806	3406.350
10.5	3453.938	3441.741	3429.202	3405.028	3388.793
11.0	3438.978	3428.814	3414.361	3392.651	3378.509
11.5	3438.415	3421.067	3401.924	3379.903	3361.724
12.0	3432.182	3411.317	3390.319	3367.156	3347.002
12.5	3420.948	3400.394	3379.516	3350.460	3331.078
13.0	3402.470	3388.729	3364.303	3337.341	3319.222
13.5	3393.551	3375.521	3352.728	3319.414	3307.766
14.0	3381.886	3365.088	3338.778	3302.347	3290.298
14.5	3371.824	3350.277	3321.221	3288.887	3268.452
15.0	3356.552	3335.035	3308.043	3271.420	3252.648
15.5	3347.693	3319.793	3292.490	3253.211	3228.828
16.0	3330.447	3306.184	3279.742	3236.975	3222.211
16.5	3320.786	3291.803	3262.245	3220.339	3198.822
17.0	3304.803	3277.022	3244.407	3198.954	3182.275
17.5	3289.190	3261.439	3226.138	3180.745	3161.691
18.0	3271.143	3244.684	3209.071	3163.768	3139.965
18.5	3259.597	3232.337	3191.633	3142.412	3115.804
19.0	3241.610	3210.772	3169.787	3125.405	3098.856
19.5	3228.001	3196.451	3153.552	3104.480	3076.388
20.0	3206.867	3180.126	3132.909	3084.356	3053.459
20.5	3196.494	3162.169	3116.673	3064.203	3034.939
21.0	3168.918	3143.870	3094.086	3046.454	3015.646
21.5	3156.200	3127.174	3074.704	3022.323	2992.747
22.0	3141.879	3108.074	3053.689	3000.226	2974.257
22.5	3123.149	3088.603	3034.278	2978.930	2947.751
23.0	3101.244	3071.105	3016.930	2958.836	2931.294
23.5	3086.522	3052.035	2992.368	2936.709	2909.627
24.0	3065.478	3030.991	2972.615	2912.236	2887.129
24.5	3042.771	3011.148	2949.686	2890.940	2861.454
25.0	3024.101	2990.505	2928.702	2865.667	2839.387
25.5	3005.030	2970.262	2905.773	2845.202	2815.746
26.0	2984.357	2948.075	2882.844	2823.505	2795.682
26.5	2962.511	2927.431	2859.114	2798.632	2770.037

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CANDELA TABULATION - (Cont.)

27.0	2942.699	2906.046	2840.593	2775.362	2747.168
27.5	2919.680	2883.428	2813.686	2753.695	2728.737
28.0	2893.916	2860.439	2787.551	2730.826	2698.684
28.5	2872.961	2838.653	2768.630	2707.927	2676.245
29.0	2850.344	2817.268	2741.753	2685.088	2657.013
29.5	2828.928	2793.507	2719.656	2657.439	2628.192
30.0	2804.767	2768.946	2697.128	2637.375	2610.503
30.5	2781.348	2748.362	2674.630	2612.132	2587.664
31.0	2759.592	2723.399	2650.528	2588.090	2560.386
31.5	2735.371	2699.669	2623.651	2564.820	2540.322
32.0	2713.214	2675.538	2599.550	2540.378	2517.483
32.5	2686.648	2651.006	2574.677	2516.767	2493.842
33.0	2665.663	2626.073	2552.980	2491.894	2468.568
33.5	2640.300	2601.912	2526.074	2466.189	2444.096
34.0	2614.566	2576.208	2502.804	2446.556	2421.257
34.5	2590.405	2551.676	2477.901	2419.679	2399.159
35.0	2564.671	2526.743	2453.429	2397.611	2376.350
35.5	2541.682	2499.836	2428.155	2371.937	2349.102
36.0	2515.948	2476.106	2404.053	2347.494	2325.921
36.5	2490.214	2450.401	2378.780	2323.052	2300.217
37.0	2465.652	2425.098	2352.704	2295.834	2276.546
37.5	2438.344	2398.592	2328.974	2273.767	2258.456
38.0	2409.464	2374.060	2304.502	2248.062	2231.179
38.5	2386.535	2346.782	2278.426	2226.766	2209.081
39.0	2360.370	2321.479	2250.808	2200.691	2185.782
39.5	2332.291	2293.770	2224.762	2178.593	2162.883
40.0	2306.957	2268.868	2199.088	2155.264	2139.583
40.5	2280.051	2241.961	2173.383	2129.188	2117.084
41.0	2252.402	2216.657	2148.881	2106.260	2090.178
41.5	2225.095	2189.780	2123.207	2082.559	2066.447
42.0	2196.615	2162.503	2098.274	2057.225	2042.747
42.5	2169.337	2134.053	2071.798	2033.124	2019.016
43.0	2142.030	2106.033	2048.839	2010.195	1998.121
43.5	2113.980	2078.726	2022.333	1986.064	1974.421
44.0	2084.759	2052.621	1997.430	1961.532	1949.117
44.5	2054.765	2025.343	1973.299	1939.004	1926.619
45.0	2027.859	1998.837	1947.595	1914.472	1900.944
45.5	2000.551	1971.530	1923.063	1891.944	1874.438
46.0	1971.670	1945.425	1896.958	1866.640	1851.910
46.5	1943.591	1918.117	1872.426	1841.307	1827.007
47.0	1917.516	1891.211	1848.265	1816.404	1802.475
47.5	1888.605	1863.903	1822.931	1792.273	1779.146
48.0	1861.729	1837.397	1797.197	1766.569	1753.412
48.5	1834.421	1811.663	1771.864	1740.834	1728.078
49.0	1807.114	1784.756	1748.504	1717.905	1703.546
49.5	1777.031	1757.449	1722.770	1691.370	1681.389
50.0	1751.697	1732.115	1698.609	1667.609	1657.198
50.5	1723.588	1704.407	1673.246	1643.077	1632.636
51.0	1695.880	1677.871	1648.283	1617.313	1607.273
51.5	1667.771	1651.736	1623.320	1591.549	1583.483
52.0	1640.864	1624.800	1597.957	1568.991	1559.292
52.5	1614.329	1598.264	1572.995	1544.800	1534.947
53.0	1585.418	1572.500	1548.032	1517.433	1510.124
53.5	1558.111	1546.365	1523.070	1494.368	1488.524
54.0	1530.403	1519.829	1497.706	1468.897	1462.407
54.5	1502.664	1493.293	1470.770	1444.537	1438.587

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55.0	1476.559	1466.728	1445.807	1418.265	1414.829
55.5	1449.623	1440.964	1419.642	1394.214	1390.671
56.0	1421.915	1415.200	1393.507	1370.085	1366.758
56.5	1394.577	1389.065	1367.651	1345.217	1342.769
57.0	1366.468	1364.072	1342.119	1320.596	1317.872
57.5	1340.303	1338.308	1316.586	1295.559	1292.419
58.0	1312.966	1312.544	1290.329	1270.999	1267.105
58.5	1284.456	1286.379	1265.259	1246.995	1242.362
59.0	1258.292	1260.214	1240.036	1222.020	1217.773
59.5	1230.954	1234.420	1214.565	1197.446	1193.647
60.0	1204.389	1208.564	1188.602	1172.934	1168.627
60.5	1177.051	1182.770	1163.348	1147.389	1143.777
61.0	1150.131	1156.899	1138.095	1121.598	1118.911
61.5	1123.291	1131.506	1112.039	1096.917	1094.432
62.0	1096.488	1105.712	1087.263	1072.452	1068.195
62.5	1069.950	1079.903	1062.642	1046.955	1042.035
63.0	1043.613	1054.893	1037.851	1022.336	1017.140
63.5	1017.341	1029.516	1012.660	996.746	992.954
64.0	990.529	1004.142	986.975	971.388	966.780
64.5	964.100	978.879	961.769	946.107	941.469
65.0	938.143	953.580	936.239	920.657	915.911
65.5	911.908	928.554	911.264	896.809	889.553
66.0	885.982	903.755	885.642	871.745	865.753
66.5	860.130	878.921	860.729	845.725	840.258
67.0	834.127	853.847	835.262	820.414	814.439
67.5	808.713	829.124	809.856	794.055	788.944
68.0	783.287	804.013	783.938	768.575	763.357
68.5	757.784	778.784	758.919	743.403	737.446
69.0	732.595	753.367	733.458	717.353	711.289
69.5	707.604	728.253	708.553	692.133	685.120
70.0	682.736	703.262	683.321	666.385	659.363
70.5	657.983	678.070	658.003	640.514	634.064
71.0	633.146	653.190	632.839	615.082	608.770
71.5	609.213	628.542	607.546	590.238	583.317
72.0	585.231	604.048	582.725	565.117	557.934
72.5	561.144	580.020	557.738	540.104	532.746
73.0	537.760	556.035	533.062	515.128	507.666
73.5	514.219	531.967	508.538	490.029	482.593
74.0	491.338	508.519	484.208	465.353	458.182
74.5	468.621	485.192	459.909	440.927	433.651
75.0	445.974	461.861	435.811	416.889	409.115
75.5	423.566	439.114	412.098	392.925	384.924
76.0	401.817	416.407	388.818	369.187	360.412
76.5	380.266	394.203	365.574	345.523	336.247
77.0	359.230	371.925	342.800	321.856	312.787
77.5	338.463	350.192	320.260	298.856	289.689
78.0	318.054	328.572	298.074	276.207	266.541
78.5	298.070	307.222	276.006	253.910	243.545
79.0	278.401	286.148	254.524	231.727	220.182
79.5	259.515	265.347	233.592	209.693	197.377
80.0	241.065	244.976	213.168	187.970	175.322
80.5	223.006	224.997	193.133	166.528	153.868
81.0	205.382	205.292	173.802	145.878	133.166
81.5	188.267	186.173	154.825	125.907	113.232
82.0	171.822	167.721	136.592	106.966	94.257
82.5	155.966	149.938	118.754	88.795	76.622

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CANDELA TABULATION - (Cont.)

83.0	140.739	132.664	101.470	71.912	59.892
83.5	126.141	116.140	85.017	55.744	44.349
84.0	112.173	100.557	69.479	40.984	35.339
84.5	98.831	85.680	54.826	32.332	29.874
85.0	86.158	71.707	40.452	27.027	25.482
85.5	74.192	58.634	27.512	22.755	21.728
86.0	62.855	46.469	21.287	19.045	18.416
86.5	52.150	35.248	17.179	15.892	15.464
87.0	42.266	24.862	13.789	13.138	12.749
87.5	33.012	14.617	10.960	10.466	10.352
88.0	24.621	9.610	8.486	8.150	7.958
88.5	17.050	6.938	6.253	6.030	5.956
89.0	10.650	4.668	4.217	4.108	4.111
89.5	5.261	2.832	2.649	2.615	2.421
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-L33-827-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-L33-827-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-L33-827-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1263.3	N.A.	15.00
0-30	2611.22	N.A.	31.00
0-40	4150.13	N.A.	49.30
0-60	6950.51	N.A.	82.60
0-80	8337.95	N.A.	99.10
0-90	8414.35	N.A.	100.00
10-90	8081.27	N.A.	96.00
20-40	2886.83	N.A.	34.30
20-50	4395.94	N.A.	52.20
40-70	3724.84	N.A.	44.30
60-80	1387.45	N.A.	16.50
70-80	462.99	N.A.	5.50
80-90	76.40	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	8414.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	333.08
10-20	930.21
20-30	1347.92
30-40	1538.91
40-50	1509.1
50-60	1291.28
60-70	924.45
70-80	462.99
80-90	76.40
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-L33-827-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-L33-827-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

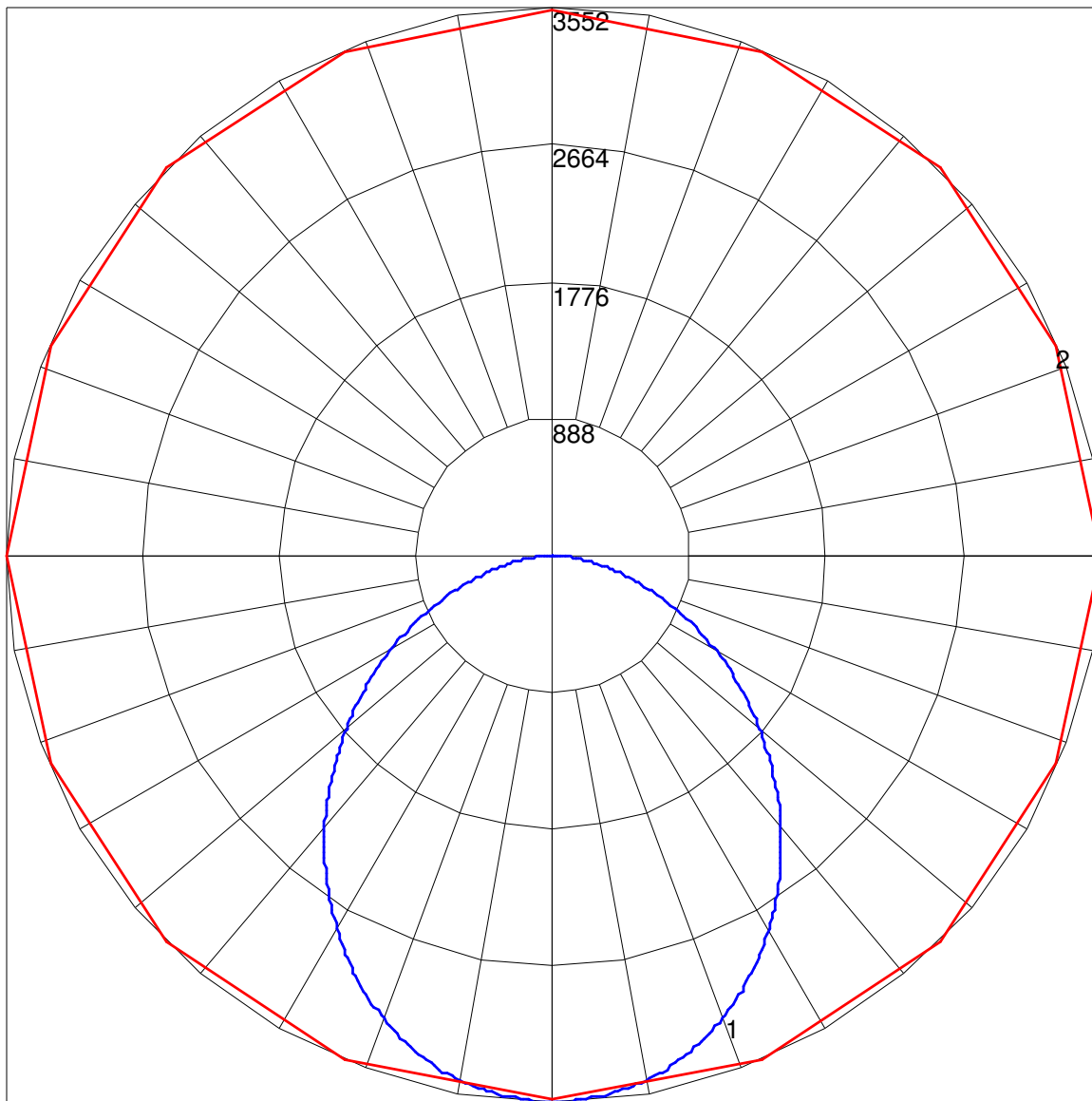
Reflectances

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	19.6	21.2	20.0	21.5	21.8	19.4	21.0	19.8	21.3	21.6
	3H	21.2	22.7	21.6	23.0	23.3	21.0	22.4	21.4	22.7	23.1
	4H	21.8	23.1	22.2	23.4	23.8	21.5	22.8	21.9	23.1	23.5
	6H	22.1	23.3	22.5	23.7	24.1	21.7	22.9	22.1	23.3	23.7
	8H	22.2	23.3	22.6	23.7	24.1	21.7	22.9	22.1	23.3	23.7
	12H	22.2	23.3	22.6	23.7	24.1	21.7	22.8	22.1	23.2	23.6
4H	2H	20.2	21.5	20.6	21.9	22.2	20.0	21.3	20.4	21.7	22.1
	3H	22.0	23.1	22.4	23.5	23.9	21.8	22.9	22.2	23.3	23.7
	4H	22.6	23.6	23.1	24.1	24.5	22.4	23.4	22.8	23.8	24.2
	6H	23.1	24.0	23.5	24.4	24.9	22.7	23.5	23.1	24.0	24.4
	8H	23.2	24.0	23.7	24.4	24.9	22.7	23.5	23.1	23.9	24.4
	12H	23.3	24.0	23.7	24.5	24.9	22.7	23.4	23.2	23.9	24.3
8H	4H	22.9	23.7	23.3	24.1	24.6	22.6	23.4	23.1	23.8	24.3
	6H	23.4	24.0	23.9	24.5	25.0	22.9	23.6	23.4	24.1	24.6
	8H	23.5	24.1	24.0	24.6	25.1	23.0	23.6	23.5	24.1	24.6
	12H	23.6	24.1	24.1	24.6	25.2	23.0	23.5	23.5	24.0	24.6
12H	4H	22.8	23.6	23.3	24.1	24.5	22.6	23.3	23.1	23.8	24.3
	6H	23.4	24.0	23.9	24.4	25.0	23.0	23.6	23.5	24.0	24.6
	8H	23.5	24.1	24.1	24.6	25.1	23.0	23.6	23.5	24.1	24.6

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 3551.533 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.)