

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L52-927-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] CMR4AEG-L52-927-CA-DIM-UNV (A&E)

[LUMINAIRE] 2' x 4' 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	10125
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	105.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.75 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	5417	5525	5671
55	4960	5221	5468
65	4279	4755	5010
75	3070	3677	3796
85	1195	1406	1282

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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	3872.802	3872.802	3872.802	3872.802	3872.802
0.5	3873.532	3870.478	3871.440	3869.680	3868.422
1.0	3880.104	3867.723	3875.656	3866.494	3877.948
1.5	3876.487	3864.968	3870.809	3864.801	3873.169
2.0	3874.794	3861.483	3866.030	3869.380	3874.263
2.5	3871.540	3858.529	3862.876	3864.102	3866.829
3.0	3868.685	3863.707	3865.001	3856.501	3864.138
3.5	3870.909	3862.345	3856.537	3857.132	3868.154
4.0	3862.114	3854.413	3856.900	3853.646	3864.769
4.5	3860.022	3854.944	3847.274	3847.538	3855.143
5.0	3857.399	3850.959	3848.867	3840.767	3855.938
5.5	3853.514	3845.250	3842.759	3845.678	3851.622
6.0	3847.905	3839.473	3835.788	3833.329	3846.875
6.5	3838.180	3830.710	3835.289	3831.868	3840.667
7.0	3837.681	3829.548	3825.596	3825.560	3828.187
7.5	3830.279	3821.947	3820.086	3816.266	3825.264
8.0	3824.170	3814.976	3817.264	3810.058	3816.533
8.5	3811.159	3806.344	3805.878	3797.709	3808.533
9.0	3808.768	3800.236	3798.939	3792.563	3804.017
9.5	3803.721	3793.166	3787.952	3787.749	3792.531
10.0	3791.672	3784.634	3781.412	3775.700	3785.625
10.5	3777.300	3776.302	3773.112	3766.537	3772.414
11.0	3761.002	3763.091	3762.325	3756.013	3769.623
11.5	3762.129	3756.352	3749.046	3747.282	3755.151
12.0	3753.697	3746.327	3741.676	3738.551	3742.303
12.5	3745.796	3733.248	3734.738	3726.003	3732.279
13.0	3727.275	3722.492	3720.065	3717.172	3724.641
13.5	3718.743	3711.737	3709.342	3701.338	3719.428
14.0	3707.357	3702.375	3699.649	3688.059	3704.987
14.5	3697.464	3688.234	3683.915	3680.190	3686.399
15.0	3681.930	3674.392	3671.067	3665.750	3674.945
15.5	3674.891	3657.396	3657.357	3651.741	3654.132
16.0	3655.871	3644.848	3646.103	3639.325	3653.198
16.5	3647.140	3632.300	3631.231	3627.008	3632.087
17.0	3631.837	3617.960	3618.583	3609.182	3622.956
17.5	3616.003	3603.188	3601.189	3594.542	3605.561
18.0	3595.291	3586.624	3587.279	3582.557	3587.436
18.5	3587.522	3577.793	3573.270	3565.163	3567.586
19.0	3567.671	3554.225	3552.789	3552.116	3554.140
19.5	3555.123	3541.278	3539.742	3535.683	3538.338
20.0	3532.518	3525.045	3520.854	3519.682	3517.989
20.5	3523.388	3506.888	3507.176	3503.249	3504.112
21.0	3491.856	3489.693	3486.496	3490.003	3489.604
21.5	3481.033	3473.991	3470.063	3468.691	3470.316
22.0	3466.824	3455.733	3451.076	3449.835	3456.870
22.5	3449.297	3436.115	3432.950	3433.303	3431.543
23.0	3425.431	3418.720	3418.973	3417.733	3423.075
23.5	3411.322	3400.263	3396.699	3397.815	3403.920
24.0	3392.533	3379.583	3379.536	3376.204	3384.533
24.5	3366.343	3360.495	3359.187	3359.041	3361.329
25.0	3349.048	3340.345	3340.000	3337.630	3344.166
25.5	3331.222	3320.727	3319.651	3321.329	3324.048
26.0	3310.641	3300.577	3298.671	3303.004	3307.017
26.5	3287.006	3279.797	3276.629	3280.232	3283.614

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CANDELA TABULATION - (Cont.)

27.0	3268.981	3258.817	3262.121	3260.214	3263.496
27.5	3245.446	3236.444	3236.893	3241.690	3250.282
28.0	3220.948	3213.971	3211.034	3222.203	3221.668
28.5	3201.561	3193.090	3194.733	3201.024	3201.882
29.0	3177.927	3172.110	3169.937	3181.337	3187.606
29.5	3156.515	3148.376	3149.819	3155.279	3160.386
30.0	3134.142	3124.841	3128.109	3138.878	3143.586
30.5	3109.445	3104.923	3108.091	3116.637	3124.531
31.0	3088.996	3078.964	3085.318	3094.727	3097.311
31.5	3061.976	3056.922	3059.891	3072.817	3080.279
32.0	3041.626	3033.719	3036.488	3051.637	3059.332
32.5	3012.913	3008.722	3013.084	3031.951	3037.322
33.0	2991.833	2984.456	2993.498	3007.286	3012.126
33.5	2966.606	2959.560	2965.116	2981.759	2988.623
34.0	2941.278	2934.663	2943.837	2965.690	2968.306
34.5	2915.750	2909.667	2920.002	2939.001	2946.927
35.0	2889.792	2884.140	2895.868	2919.314	2927.672
35.5	2865.426	2857.650	2871.934	2894.218	2900.883
36.0	2839.468	2833.716	2847.900	2871.147	2880.266
36.5	2812.879	2807.558	2823.335	2848.705	2854.108
37.0	2786.190	2782.562	2797.708	2824.240	2831.036
37.5	2759.169	2755.342	2773.143	2802.662	2814.336
38.0	2729.194	2729.714	2749.009	2776.503	2786.486
38.5	2706.322	2702.494	2723.382	2756.186	2765.107
39.0	2677.509	2678.129	2697.755	2730.559	2740.242
39.5	2649.857	2648.685	2671.928	2708.549	2715.909
40.0	2621.276	2623.589	2646.832	2684.515	2692.937
40.5	2593.525	2595.207	2620.043	2657.627	2669.765
41.0	2566.836	2568.949	2595.478	2634.754	2641.383
41.5	2536.031	2540.998	2569.751	2610.621	2615.556
42.0	2507.848	2513.148	2542.962	2583.301	2591.423
42.5	2480.628	2484.135	2515.543	2559.267	2566.227
43.0	2451.084	2457.977	2491.608	2535.764	2545.810
43.5	2423.234	2429.064	2463.127	2509.406	2522.307
44.0	2394.852	2401.113	2437.400	2482.517	2495.418
44.5	2365.839	2373.262	2411.673	2459.545	2472.246
45.0	2337.457	2344.781	2384.253	2433.287	2447.150
45.5	2307.913	2315.237	2357.365	2410.315	2419.930
46.0	2277.308	2287.286	2330.045	2384.057	2396.327
46.5	2249.026	2259.004	2303.787	2357.368	2370.601
47.0	2222.768	2229.361	2276.367	2331.641	2344.343
47.5	2191.731	2199.817	2249.047	2304.653	2319.047
48.0	2163.149	2171.966	2220.566	2278.495	2292.458
48.5	2133.606	2142.854	2193.246	2250.013	2265.769
49.0	2104.062	2113.841	2166.888	2226.510	2240.142
49.5	2071.863	2084.297	2139.037	2198.228	2216.008
50.0	2043.282	2055.716	2111.617	2171.339	2189.418
50.5	2012.676	2026.903	2083.236	2145.712	2163.360
51.0	1981.971	1996.098	2054.754	2116.799	2134.347
51.5	1950.734	1965.823	2026.272	2087.886	2108.289
52.0	1920.460	1935.749	1998.521	2062.591	2080.438
52.5	1890.286	1906.836	1970.039	2036.632	2054.480
53.0	1858.618	1876.031	1942.189	2005.595	2025.467
53.5	1828.443	1847.018	1914.338	1979.337	1999.840
54.0	1796.476	1817.474	1884.694	1949.263	1969.965
54.5	1763.447	1786.038	1854.620	1920.881	1942.214

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55.0	1736.128	1756.063	1827.399	1891.006	1913.932
55.5	1704.160	1725.258	1797.325	1863.255	1886.380
56.0	1672.824	1695.714	1769.574	1834.873	1857.467
56.5	1642.219	1666.071	1738.868	1805.529	1827.924
57.0	1610.982	1635.896	1709.955	1776.085	1799.410
57.5	1579.646	1606.353	1680.412	1744.948	1768.473
58.0	1547.779	1576.178	1650.437	1715.604	1737.005
58.5	1515.380	1544.842	1620.262	1686.791	1707.229
59.0	1485.306	1515.398	1591.349	1656.385	1678.715
59.5	1453.438	1483.531	1561.906	1626.510	1650.833
60.0	1420.940	1452.195	1531.400	1597.365	1620.095
60.5	1389.704	1421.589	1500.794	1566.528	1589.258
61.0	1358.202	1392.245	1472.081	1534.529	1557.259
61.5	1326.806	1360.278	1441.675	1502.961	1525.890
62.0	1294.726	1330.303	1412.231	1472.124	1492.398
62.5	1263.118	1298.535	1382.787	1439.593	1458.906
63.0	1233.668	1268.985	1352.181	1408.125	1426.475
63.5	1201.270	1237.483	1321.675	1375.064	1393.945
64.0	1168.871	1205.457	1289.476	1342.003	1359.922
64.5	1136.367	1173.902	1257.809	1308.816	1326.177
65.0	1103.550	1142.400	1226.241	1275.476	1292.154
65.5	1071.099	1111.057	1195.267	1244.576	1257.195
66.0	1038.648	1079.376	1163.168	1211.614	1225.169
66.5	1006.090	1048.169	1131.411	1177.465	1190.615
67.0	973.702	1016.707	1099.123	1143.720	1155.214
67.5	941.748	985.278	1066.493	1108.193	1120.912
68.0	909.181	953.933	1033.744	1073.981	1086.268
68.5	876.992	922.534	1001.682	1040.083	1051.030
69.0	844.889	891.609	969.098	1005.250	1015.577
69.5	813.513	860.536	936.983	971.171	979.446
70.0	782.655	829.980	904.104	936.062	944.082
70.5	751.618	799.159	871.222	900.562	908.884
71.0	720.242	768.507	838.530	865.792	874.025
71.5	690.018	737.981	805.801	831.835	839.394
72.0	659.296	707.770	773.643	797.802	804.741
72.5	629.324	677.792	740.934	763.819	769.762
73.0	599.924	648.226	708.709	729.720	733.761
73.5	570.354	618.636	676.190	695.545	699.108
74.0	541.574	589.468	644.101	661.253	665.287
74.5	513.175	560.585	612.126	627.788	632.002
75.0	484.817	531.975	580.795	594.933	599.576
75.5	456.860	503.776	549.653	563.234	567.476
76.0	429.441	475.820	518.966	531.890	534.572
76.5	402.813	448.548	488.162	499.683	503.066
77.0	376.725	421.570	457.950	467.560	469.651
77.5	351.088	395.247	428.285	437.447	435.137
78.0	326.076	369.080	399.327	406.044	400.251
78.5	301.621	343.471	371.242	373.601	367.152
79.0	277.821	318.400	344.180	341.673	335.191
79.5	254.886	293.866	316.364	311.298	304.751
80.0	233.018	270.122	289.949	281.976	275.210
80.5	211.614	247.096	265.154	253.783	247.159
81.0	191.212	224.544	239.353	226.775	220.367
81.5	171.455	202.951	214.133	201.320	194.922
82.0	152.932	182.677	190.672	177.262	169.951
82.5	135.412	162.943	168.413	154.090	146.298

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CANDELA TABULATION - (Cont.)

83.0	118.884	143.916	147.316	131.695	124.725
83.5	103.538	126.041	127.225	111.433	106.299
84.0	89.121	109.328	108.457	94.252	91.445
84.5	75.780	93.860	90.838	80.526	79.199
85.0	63.548	79.670	74.793	68.872	68.195
85.5	52.434	66.147	61.286	58.658	58.249
86.0	42.503	54.260	50.474	49.250	49.014
86.5	33.796	43.579	41.336	40.795	41.140
87.0	26.091	34.304	33.299	33.522	33.542
87.5	19.631	26.248	26.511	26.334	26.261
88.0	14.333	19.705	20.177	19.728	19.466
88.5	10.164	14.284	14.161	13.218	12.946
89.0	6.987	9.521	8.936	8.319	8.299
89.5	4.571	5.886	5.122	5.344	5.417
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 : CMR4AEG-L52-927-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 : CMR4AEG-L52-927-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 : CMR4AEG-L52-927-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1400.52	N.A.	13.80
0-30	2939.51	N.A.	29.00
0-40	4754.11	N.A.	47.00
0-60	8226.62	N.A.	81.30
0-80	10020.55	N.A.	99.00
0-90	10124.51	N.A.	100.00
10-90	9759.19	N.A.	96.40
20-40	3353.58	N.A.	33.10
20-50	5195.81	N.A.	51.30
40-70	4668.03	N.A.	46.10
60-80	1793.93	N.A.	17.70
70-80	598.41	N.A.	5.90
80-90	103.96	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	10124.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	365.31
10-20	1035.21
20-30	1538.99
30-40	1814.59
40-50	1842.23
50-60	1630.29
60-70	1195.52
70-80	598.41
80-90	103.96
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 : CMR4AEG-L52-927-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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	27	39	32	27	38	32	27	37	31	27	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L52-927-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

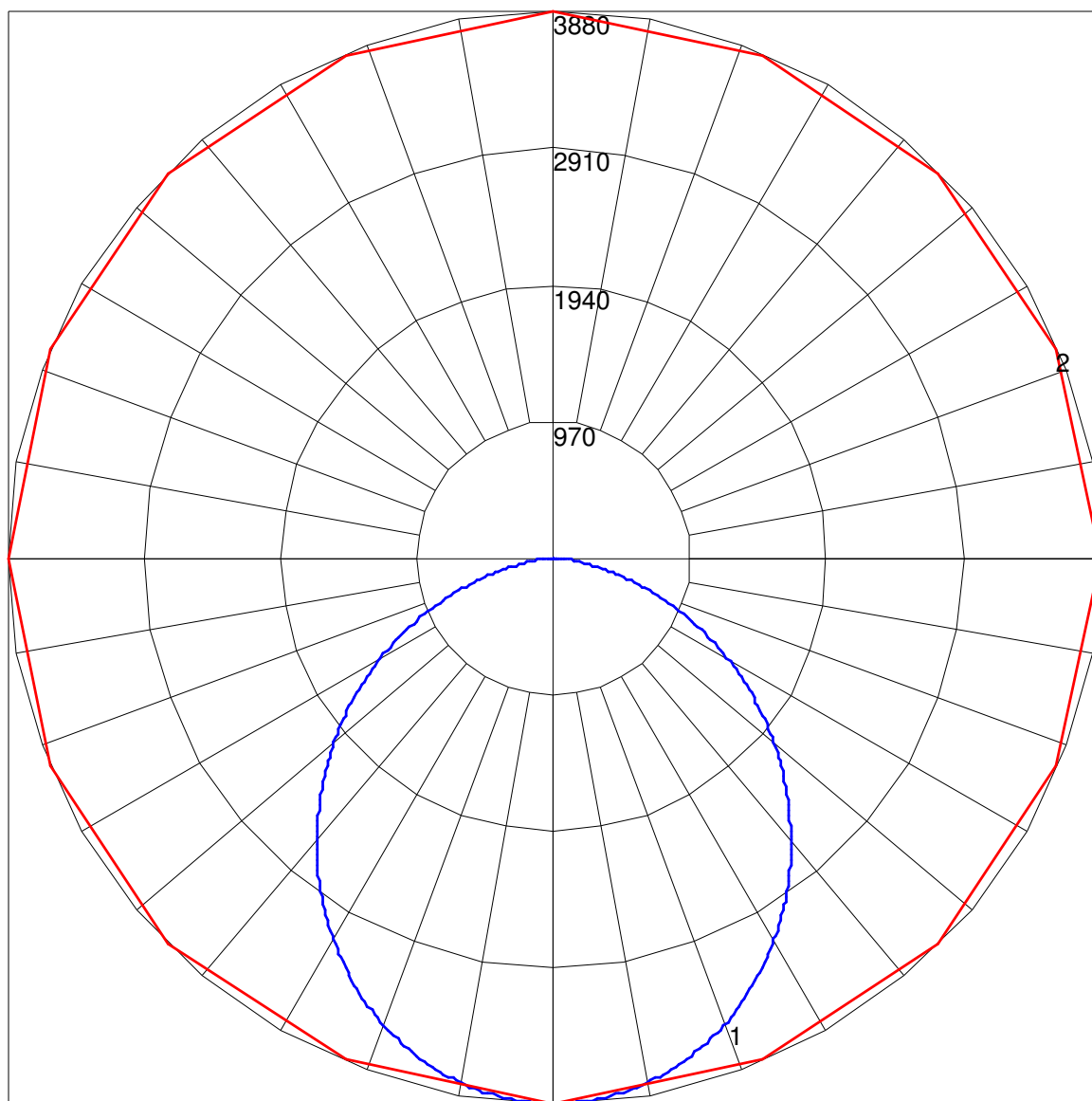
Reflectances

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	17.5	19.1	17.9	19.4	19.7	18.1	19.7	18.5	20.0	20.4
	3H	19.0	20.5	19.4	20.8	21.2	19.8	21.3	20.2	21.6	22.0
	4H	19.5	20.9	19.9	21.2	21.6	20.4	21.7	20.8	22.1	22.5
	6H	19.8	21.0	20.2	21.4	21.8	20.6	21.9	21.0	22.3	22.7
	8H	19.8	21.0	20.2	21.4	21.8	20.7	21.9	21.1	22.3	22.7
	12H	19.8	21.0	20.2	21.4	21.8	20.7	21.8	21.1	22.2	22.6
4H	2H	18.2	19.6	18.6	19.9	20.3	18.7	20.0	19.1	20.4	20.8
	3H	19.9	21.1	20.3	21.5	21.9	20.6	21.7	21.0	22.1	22.5
	4H	20.5	21.5	20.9	21.9	22.4	21.2	22.3	21.6	22.7	23.1
	6H	20.9	21.7	21.3	22.2	22.6	21.6	22.5	22.1	22.9	23.4
	8H	20.9	21.8	21.4	22.2	22.7	21.7	22.5	22.1	22.9	23.4
	12H	20.9	21.7	21.4	22.2	22.6	21.7	22.4	22.2	22.9	23.4
8H	4H	20.8	21.6	21.3	22.1	22.5	21.4	22.3	21.9	22.7	23.2
	6H	21.2	21.9	21.7	22.4	22.9	21.9	22.6	22.4	23.1	23.5
	8H	21.3	21.9	21.8	22.4	22.9	22.0	22.6	22.5	23.1	23.6
	12H	21.4	21.9	21.9	22.4	23.0	22.0	22.5	22.5	23.0	23.6
12H	4H	20.8	21.6	21.3	22.0	22.5	21.4	22.2	21.9	22.7	23.1
	6H	21.2	21.9	21.8	22.3	22.9	21.9	22.5	22.4	23.0	23.5
	8H	21.4	21.9	21.9	22.4	23.0	22.0	22.5	22.5	23.0	23.6

Maximum UGR = 23.6

POLAR GRAPH



Maximum Candela = 3880.104 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.)