

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L52-930-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] CMR4AEG-L52-930-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	10378
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
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	5552	5664	5813
55	5084	5351	5605
65	4386	4874	5136
75	3146	3769	3891
85	1225	1441	1314

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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	3969.622	3969.622	3969.622	3969.622	3969.622
0.5	3970.370	3967.240	3968.226	3966.422	3965.132
1.0	3977.106	3964.416	3972.548	3963.156	3974.896
1.5	3973.399	3961.593	3967.580	3961.421	3969.998
2.0	3971.664	3958.020	3962.681	3966.115	3971.119
2.5	3968.329	3954.992	3959.448	3960.705	3963.499
3.0	3965.403	3960.300	3961.626	3952.913	3960.742
3.5	3967.682	3958.904	3952.950	3953.560	3964.858
4.0	3958.667	3950.773	3953.323	3949.987	3961.388
4.5	3956.522	3951.317	3943.456	3943.726	3951.522
5.0	3953.834	3947.233	3945.089	3936.786	3952.336
5.5	3949.852	3941.381	3938.828	3941.820	3947.913
6.0	3944.103	3935.460	3931.683	3929.162	3943.047
6.5	3934.134	3926.478	3931.172	3927.665	3936.684
7.0	3933.623	3925.287	3921.236	3921.199	3923.891
7.5	3926.036	3917.495	3915.588	3911.673	3920.896
8.0	3919.775	3910.350	3912.695	3905.309	3911.947
8.5	3906.438	3901.503	3901.024	3892.652	3903.746
9.0	3903.987	3895.242	3893.912	3887.377	3899.118
9.5	3898.814	3887.995	3882.651	3882.442	3887.344
10.0	3886.464	3879.250	3875.948	3870.092	3880.265
10.5	3871.732	3870.709	3867.440	3860.700	3866.724
11.0	3855.028	3857.168	3856.383	3849.914	3863.864
11.5	3856.182	3850.261	3842.772	3840.964	3849.030
12.0	3847.539	3839.985	3835.218	3832.015	3835.861
12.5	3839.441	3826.579	3828.106	3819.153	3825.585
13.0	3820.457	3815.555	3813.067	3810.101	3817.757
13.5	3811.712	3804.530	3802.076	3793.871	3812.413
14.0	3800.041	3794.934	3792.140	3780.261	3797.612
14.5	3789.901	3780.440	3776.012	3772.195	3778.558
15.0	3773.978	3766.252	3762.844	3757.394	3766.818
15.5	3766.763	3748.831	3748.791	3743.034	3745.485
16.0	3747.268	3735.970	3737.256	3730.308	3744.528
16.5	3738.318	3723.108	3722.012	3717.683	3722.889
17.0	3722.633	3708.409	3709.048	3699.412	3713.530
17.5	3706.403	3693.268	3691.218	3684.406	3695.701
18.0	3685.173	3676.289	3676.961	3672.121	3677.122
18.5	3677.210	3667.237	3662.602	3654.292	3656.776
19.0	3656.863	3643.081	3641.609	3640.919	3642.993
19.5	3644.001	3629.810	3628.236	3624.075	3626.797
20.0	3620.831	3613.171	3608.876	3607.674	3605.939
20.5	3611.473	3594.560	3594.856	3590.830	3591.714
21.0	3579.152	3576.935	3573.658	3577.253	3576.844
21.5	3568.058	3560.840	3556.815	3555.409	3557.074
22.0	3553.494	3542.127	3537.352	3536.081	3543.292
22.5	3535.530	3522.018	3518.774	3519.136	3517.331
23.0	3511.066	3504.188	3504.447	3503.176	3508.652
23.5	3496.605	3485.270	3481.617	3482.760	3489.018
24.0	3477.347	3464.072	3464.025	3460.609	3469.146
24.5	3450.502	3444.507	3443.167	3443.017	3445.362
25.0	3432.774	3423.854	3423.500	3421.071	3427.770
25.5	3414.503	3403.745	3402.642	3404.363	3407.150
26.0	3393.407	3383.092	3381.138	3385.580	3389.693
26.5	3369.182	3361.792	3358.545	3362.238	3365.704

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CANDELA TABULATION - (Cont.)

27.0	3350.705	3340.287	3343.674	3341.720	3345.084
27.5	3326.582	3317.355	3317.815	3322.732	3331.539
28.0	3301.472	3294.320	3291.310	3302.758	3302.210
28.5	3281.601	3272.918	3274.602	3281.049	3281.929
29.0	3257.375	3251.413	3249.185	3260.871	3267.296
29.5	3235.428	3227.085	3228.565	3234.161	3239.395
30.0	3212.496	3202.962	3206.311	3217.350	3222.176
30.5	3187.181	3182.546	3185.793	3194.553	3202.644
31.0	3166.221	3155.938	3162.451	3172.095	3174.743
31.5	3138.525	3133.345	3136.388	3149.637	3157.286
32.0	3117.667	3109.561	3112.400	3127.928	3135.815
32.5	3088.236	3083.940	3088.411	3107.750	3113.255
33.0	3066.629	3059.068	3068.335	3082.468	3087.429
33.5	3040.771	3033.549	3039.244	3056.303	3063.338
34.0	3014.810	3008.030	3017.433	3039.832	3042.513
34.5	2988.644	2982.409	2993.002	3012.476	3020.600
35.0	2962.037	2956.243	2968.265	2992.297	3000.863
35.5	2937.062	2929.092	2943.732	2966.574	2973.405
36.0	2910.455	2904.559	2919.097	2942.925	2952.273
36.5	2883.201	2877.747	2893.918	2919.923	2925.461
37.0	2855.844	2852.126	2867.650	2894.846	2901.812
37.5	2828.148	2824.225	2842.471	2872.728	2884.695
38.0	2797.424	2797.957	2817.734	2845.916	2856.148
38.5	2773.980	2770.057	2791.466	2825.091	2834.234
39.0	2744.446	2745.082	2765.199	2798.823	2808.748
39.5	2716.104	2714.902	2738.726	2776.263	2783.806
40.0	2686.808	2689.179	2713.003	2751.628	2760.260
40.5	2658.363	2660.087	2685.544	2724.067	2736.509
41.0	2631.007	2633.173	2660.365	2700.623	2707.418
41.5	2599.431	2604.523	2633.995	2675.886	2680.945
42.0	2570.544	2575.976	2606.536	2647.883	2656.208
42.5	2542.644	2546.238	2578.431	2623.248	2630.382
43.0	2512.362	2519.426	2553.898	2599.158	2609.455
43.5	2483.814	2489.791	2524.705	2572.141	2585.364
44.0	2454.723	2461.141	2498.335	2544.580	2557.804
44.5	2424.985	2432.594	2471.965	2521.034	2534.053
45.0	2395.894	2403.400	2443.860	2494.119	2508.329
45.5	2365.611	2373.118	2416.299	2470.573	2480.429
46.0	2334.240	2344.469	2388.296	2443.659	2456.236
46.5	2305.251	2315.479	2361.381	2416.302	2429.866
47.0	2278.337	2285.095	2333.276	2389.932	2402.951
47.5	2246.524	2254.813	2305.273	2362.269	2377.023
48.0	2217.228	2226.265	2276.080	2335.457	2349.769
48.5	2186.946	2196.425	2248.077	2306.263	2322.413
49.0	2156.664	2166.687	2221.060	2282.173	2296.145
49.5	2123.660	2136.405	2192.513	2253.184	2271.408
50.0	2094.364	2107.109	2164.408	2225.623	2244.154
50.5	2062.993	2077.575	2135.316	2199.355	2217.444
51.0	2031.520	2046.000	2106.123	2169.719	2187.706
51.5	1999.503	2014.969	2076.929	2140.084	2160.996
52.0	1968.472	1984.142	2048.484	2114.156	2132.449
52.5	1937.543	1954.507	2019.290	2087.548	2105.842
53.0	1905.083	1922.931	1990.743	2055.735	2076.104
53.5	1874.155	1893.193	1962.196	2028.821	2049.836
54.0	1841.388	1862.911	1931.812	1997.994	2019.214
54.5	1807.534	1830.689	1900.985	1968.903	1990.769

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55.0	1779.531	1799.965	1873.084	1938.281	1961.780
55.5	1746.764	1768.390	1842.258	1909.836	1933.540
56.0	1714.645	1738.107	1813.813	1880.745	1903.904
56.5	1683.274	1707.723	1782.340	1850.667	1873.622
57.0	1651.257	1676.794	1752.704	1820.487	1844.395
57.5	1619.137	1646.512	1722.422	1788.572	1812.684
58.0	1586.473	1615.583	1691.698	1758.494	1780.430
58.5	1553.265	1583.463	1660.769	1728.961	1749.910
59.0	1522.438	1553.283	1631.133	1697.794	1720.683
59.5	1489.774	1520.619	1600.953	1667.172	1692.103
60.0	1456.464	1488.500	1569.685	1637.299	1660.597
60.5	1424.446	1457.129	1538.314	1605.691	1628.989
61.0	1392.157	1427.051	1508.883	1572.892	1596.190
61.5	1359.976	1394.285	1477.716	1540.535	1564.037
62.0	1327.095	1363.561	1447.536	1508.927	1529.708
62.5	1294.696	1330.999	1417.356	1475.583	1495.378
63.0	1264.510	1300.710	1385.986	1443.328	1462.137
63.5	1231.301	1268.421	1354.717	1409.441	1428.794
64.0	1198.093	1235.593	1321.713	1375.553	1393.920
64.5	1164.776	1203.249	1289.254	1341.536	1359.331
65.0	1131.139	1170.960	1256.897	1307.363	1324.458
65.5	1097.876	1138.834	1225.149	1275.690	1288.624
66.0	1064.614	1106.360	1192.247	1241.905	1255.798
66.5	1031.242	1074.374	1159.696	1206.901	1220.380
67.0	998.044	1042.125	1126.601	1172.313	1184.094
67.5	965.292	1009.910	1093.155	1135.898	1148.935
68.0	931.910	977.781	1059.587	1100.830	1113.425
68.5	898.917	945.597	1026.724	1066.085	1077.306
69.0	866.011	913.900	993.326	1030.382	1040.966
69.5	833.851	882.049	960.408	995.450	1003.932
70.0	802.221	850.729	926.707	959.464	967.684
70.5	770.408	819.138	893.003	923.076	931.606
71.0	738.248	787.719	859.493	887.437	895.875
71.5	707.268	756.430	825.946	852.631	860.379
72.0	675.779	725.465	792.984	817.747	824.860
72.5	645.058	694.737	759.457	782.915	789.006
73.0	614.922	664.431	726.427	747.963	752.105
73.5	584.613	634.102	693.094	712.933	716.585
74.0	555.113	604.205	660.204	677.784	681.920
74.5	526.005	574.600	627.429	643.482	647.802
75.0	496.937	545.274	595.315	609.806	614.565
75.5	468.282	516.371	563.394	577.315	581.663
76.0	440.177	487.716	531.940	545.188	547.936
76.5	412.883	459.761	500.366	512.176	515.643
77.0	386.143	432.110	469.398	479.249	481.392
77.5	359.865	405.129	438.992	448.384	446.016
78.0	334.228	378.307	409.310	416.195	410.258
78.5	309.162	352.058	380.523	382.941	376.330
79.0	284.766	326.360	352.784	350.215	343.571
79.5	261.259	301.213	324.273	319.081	312.369
80.0	238.843	276.875	297.198	289.026	282.090
80.5	216.904	253.273	271.783	260.128	253.338
81.0	195.992	230.157	245.337	232.444	225.876
81.5	175.741	208.025	219.486	206.353	199.795
82.0	156.755	187.243	195.439	181.694	174.200
82.5	138.797	167.016	172.624	157.943	149.955

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CANDELA TABULATION - (Cont.)

83.0	121.856	147.514	150.999	134.987	127.843
83.5	106.126	129.192	130.405	114.219	108.957
84.0	91.349	112.062	111.169	96.608	93.731
84.5	77.675	96.207	93.109	82.539	81.179
85.0	65.137	81.662	76.662	70.593	69.900
85.5	53.745	67.800	62.818	60.124	59.706
86.0	43.565	55.617	51.736	50.481	50.240
86.5	34.641	44.668	42.369	41.815	42.169
87.0	26.743	35.162	34.132	34.360	34.380
87.5	20.122	26.904	27.173	26.993	26.918
88.0	14.692	20.198	20.681	20.222	19.953
88.5	10.418	14.641	14.515	13.549	13.270
89.0	7.162	9.759	9.160	8.527	8.506
89.5	4.685	6.033	5.250	5.478	5.553
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-L52-930-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 : CMR4AEG-L52-930-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 : CMR4AEG-L52-930-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1435.54	N.A.	13.80
0-30	3013.00	N.A.	29.00
0-40	4872.96	N.A.	47.00
0-60	8432.29	N.A.	81.30
0-80	10271.06	N.A.	99.00
0-90	10377.62	N.A.	100.00
10-90	10003.17	N.A.	96.40
20-40	3437.42	N.A.	33.10
20-50	5325.7	N.A.	51.30
40-70	4784.73	N.A.	46.10
60-80	1838.77	N.A.	17.70
70-80	613.37	N.A.	5.90
80-90	106.55	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	10377.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	374.45
10-20	1061.09
20-30	1577.47
30-40	1859.96
40-50	1888.28
50-60	1671.05
60-70	1225.4
70-80	613.37
80-90	106.55
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-L52-930-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	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-L52-930-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

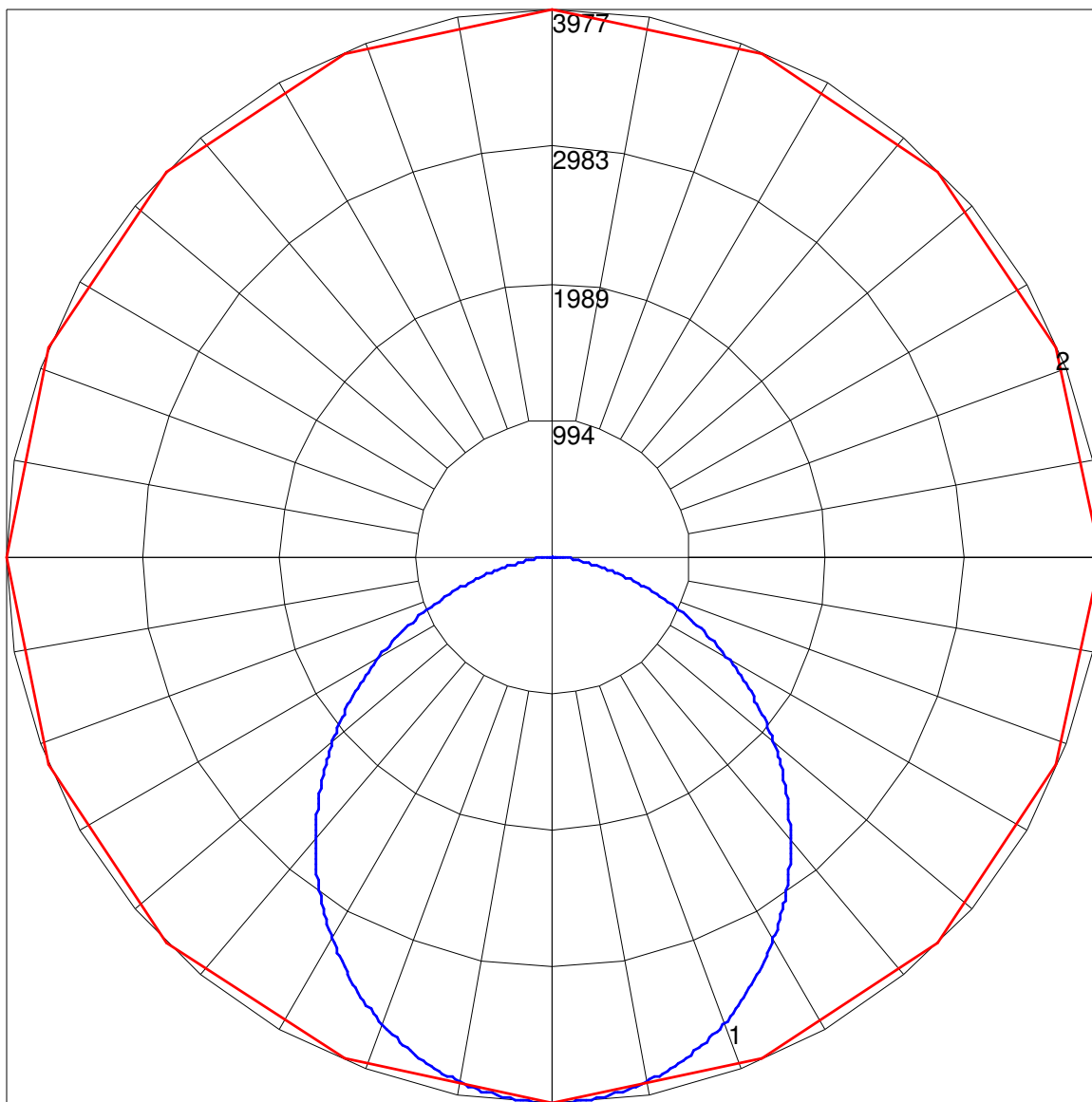
Reflectances

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	17.6	19.2	18.0	19.5	19.8	18.2	19.8	18.6	20.1	20.5
	3H	19.1	20.6	19.5	20.9	21.3	19.9	21.4	20.3	21.7	22.1
	4H	19.6	21.0	20.0	21.3	21.7	20.5	21.8	20.9	22.2	22.6
	6H	19.9	21.1	20.3	21.5	21.9	20.7	22.0	21.1	22.4	22.8
	8H	19.9	21.1	20.3	21.5	21.9	20.8	22.0	21.2	22.4	22.8
	12H	19.9	21.1	20.3	21.5	21.9	20.8	21.9	21.2	22.3	22.7
4H	2H	18.3	19.7	18.7	20.0	20.4	18.8	20.1	19.2	20.5	20.9
	3H	20.0	21.2	20.4	21.6	22.0	20.7	21.8	21.1	22.2	22.6
	4H	20.6	21.6	21.0	22.0	22.5	21.3	22.4	21.7	22.8	23.2
	6H	21.0	21.8	21.4	22.3	22.7	21.7	22.6	22.2	23.0	23.5
	8H	21.0	21.9	21.5	22.3	22.8	21.8	22.6	22.2	23.0	23.5
	12H	21.0	21.8	21.5	22.3	22.7	21.8	22.5	22.3	23.0	23.5
8H	4H	20.9	21.7	21.4	22.2	22.6	21.5	22.4	22.0	22.8	23.3
	6H	21.3	22.0	21.8	22.5	23.0	22.0	22.7	22.5	23.2	23.6
	8H	21.4	22.0	21.9	22.5	23.0	22.1	22.7	22.6	23.2	23.7
	12H	21.5	22.0	22.0	22.5	23.1	22.1	22.6	22.6	23.1	23.7
12H	4H	20.9	21.6	21.4	22.1	22.6	21.5	22.3	22.0	22.8	23.2
	6H	21.3	22.0	21.9	22.4	23.0	22.0	22.6	22.5	23.1	23.6
	8H	21.5	22.0	22.0	22.5	23.1	22.1	22.6	22.6	23.1	23.7

Maximum UGR = 23.7

POLAR GRAPH



Maximum Candela = 3977.106 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.)