

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L33-930-CA-DIM-UNV_.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] CMR4AEG-L33-930-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	10399
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	108.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.32
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	5728	5661	5639
55	5230	5253	5299
65	4502	4682	4766
75	3221	3564	3604
85	1252	1520	1443

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L33-930-CA-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	4115.106	4115.106	4115.106	4115.106	4115.106
0.5	4116.407	4112.776	4112.983	4108.944	4113.935
1.0	4121.481	4110.582	4117.779	4106.886	4122.161
1.5	4119.559	4108.388	4112.161	4105.378	4119.075
2.0	4118.051	4104.893	4109.074	4107.507	4117.708
2.5	4113.462	4101.741	4104.964	4102.025	4112.906
3.0	4110.789	4106.744	4106.336	4094.213	4106.608
3.5	4112.640	4104.621	4098.796	4095.035	4110.446
4.0	4105.715	4097.424	4096.129	4091.540	4107.430
4.5	4102.291	4097.767	4087.424	4084.277	4098.725
5.0	4098.524	4091.877	4088.453	4078.245	4095.922
5.5	4093.113	4086.531	4081.190	4079.759	4090.647
6.0	4088.246	4078.653	4074.200	4066.808	4085.508
6.5	4079.062	4069.676	4071.805	4064.206	4077.766
7.0	4076.666	4068.511	4060.569	4055.985	4066.388
7.5	4069.812	4060.699	4056.181	4046.665	4061.184
8.0	4062.550	4053.709	4051.456	4038.924	4050.155
8.5	4050.829	4043.159	4038.711	4025.973	4040.426
9.0	4045.968	4035.897	4029.669	4018.918	4034.193
9.5	4039.392	4028.427	4018.841	4011.247	4020.970
10.0	4027.878	4018.356	4011.715	3999.733	4009.875
10.5	4014.033	4009.243	4000.550	3988.840	3997.196
11.0	3999.775	3996.564	3990.679	3975.824	3990.419
11.5	3996.357	3988.480	3975.469	3964.794	3976.096
12.0	3986.765	3977.859	3966.563	3953.765	3960.749
12.5	3977.516	3963.606	3957.521	3939.856	3950.128
13.0	3961.407	3951.684	3942.239	3928.347	3937.733
13.5	3951.335	3939.762	3928.265	3911.901	3928.146
14.0	3938.591	3927.910	3917.029	3896.691	3911.771
14.5	3926.397	3912.972	3901.061	3885.389	3893.130
15.0	3911.388	3899.471	3885.715	3869.014	3877.855
15.5	3901.866	3881.860	3870.641	3852.502	3857.364
16.0	3883.362	3867.950	3856.323	3837.020	3848.469
16.5	3872.333	3854.041	3840.084	3822.017	3826.541
17.0	3856.229	3838.145	3825.696	3802.625	3813.595
17.5	3839.783	3822.385	3806.168	3785.292	3794.068
18.0	3819.771	3804.637	3790.136	3769.673	3773.239
18.5	3808.949	3793.129	3773.624	3750.146	3752.955
19.0	3788.664	3770.444	3752.518	3733.841	3734.734
19.5	3774.755	3754.618	3736.214	3714.521	3716.236
20.0	3752.277	3736.256	3716.136	3695.064	3693.556
20.5	3739.331	3717.480	3699.010	3675.744	3675.472
21.0	3711.501	3698.910	3676.945	3658.481	3656.565
21.5	3697.048	3680.891	3657.625	3635.595	3634.572
22.0	3679.578	3661.635	3637.069	3613.465	3616.351
22.5	3661.624	3640.257	3616.240	3593.666	3589.627
23.0	3637.502	3620.730	3597.676	3574.073	3575.451
23.5	3620.511	3600.516	3574.583	3551.258	3551.884
24.0	3600.913	3578.452	3553.962	3526.934	3529.412
24.5	3574.461	3557.416	3531.282	3506.313	3504.059
25.0	3555.412	3535.695	3509.768	3482.947	3483.438
25.5	3536.021	3514.317	3487.088	3462.054	3459.664
26.0	3514.435	3492.595	3463.587	3440.267	3437.469
26.5	3489.219	3470.052	3439.399	3414.778	3411.159

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L33-930-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	3468.869	3446.550	3420.492	3391.484	3387.385
27.5	3444.132	3422.978	3394.247	3368.739	3368.071
28.0	3419.188	3398.926	3367.180	3345.788	3338.809
28.5	3396.715	3375.904	3346.286	3321.328	3314.420
29.0	3371.499	3352.402	3319.905	3297.419	3294.420
29.5	3348.133	3326.707	3296.131	3269.393	3265.229
30.0	3324.561	3301.970	3271.328	3248.020	3241.940
30.5	3298.658	3279.154	3248.034	3222.875	3218.853
31.0	3275.500	3251.608	3222.545	3197.114	3189.662
31.5	3247.267	3227.420	3195.342	3171.353	3167.468
32.0	3224.588	3202.068	3169.031	3146.894	3141.914
32.5	3194.848	3174.728	3142.721	3122.984	3115.674
33.0	3170.867	3148.690	3119.290	3095.030	3087.377
33.5	3144.622	3121.829	3088.934	3067.347	3060.587
34.0	3117.897	3094.968	3063.996	3045.359	3035.855
34.5	3090.215	3067.629	3037.821	3016.512	3010.438
35.0	3062.668	3039.946	3010.210	2992.602	2986.392
35.5	3036.151	3012.057	2983.556	2964.784	2957.065
36.0	3008.604	2985.403	2956.424	2937.858	2930.897
36.5	2980.236	2956.899	2928.948	2911.754	2902.392
37.0	2951.388	2929.559	2900.786	2884.758	2875.466
37.5	2923.156	2900.369	2873.311	2858.382	2852.657
38.0	2891.771	2872.207	2845.699	2829.877	2822.644
38.5	2865.804	2843.017	2817.538	2805.146	2797.226
39.0	2835.584	2816.499	2789.376	2776.984	2768.314
39.5	2806.530	2785.458	2760.256	2750.745	2739.744
40.0	2775.216	2757.639	2732.438	2723.612	2713.297
40.5	2745.682	2727.284	2703.111	2693.806	2685.893
41.0	2716.835	2698.300	2675.636	2667.839	2655.537
41.5	2683.670	2667.808	2646.995	2640.227	2626.417
42.0	2654.273	2637.796	2617.668	2610.558	2598.806
42.5	2625.082	2606.618	2587.520	2583.425	2570.508
43.0	2593.562	2578.114	2560.866	2556.635	2545.297
43.5	2563.549	2547.415	2530.032	2527.173	2518.508
44.0	2533.194	2516.924	2501.391	2497.367	2488.702
44.5	2502.016	2486.911	2472.751	2470.920	2461.298
45.0	2471.660	2456.076	2442.602	2441.937	2433.479
45.5	2440.140	2424.556	2412.796	2415.490	2404.288
46.0	2407.933	2394.064	2383.127	2386.507	2377.020
46.5	2378.057	2364.188	2354.143	2357.659	2348.379
47.0	2349.073	2332.188	2323.995	2329.019	2319.396
47.5	2317.003	2300.668	2294.325	2298.734	2290.619
48.0	2285.689	2270.655	2263.490	2270.229	2262.250
48.5	2254.169	2238.998	2233.821	2239.395	2233.403
49.0	2222.648	2207.821	2204.358	2212.605	2205.241
49.5	2189.412	2176.300	2174.346	2182.729	2177.630
50.0	2158.099	2144.987	2144.197	2152.923	2149.261
50.5	2125.892	2114.767	2113.841	2124.761	2121.236
51.0	2093.207	2081.602	2083.007	2094.063	2090.058
51.5	2060.178	2048.781	2052.172	2063.364	2062.033
52.0	2027.357	2016.917	2022.639	2034.588	2032.020
52.5	1995.014	1986.219	1991.804	2007.041	2004.474
53.0	1962.121	1953.054	1961.792	1974.971	1973.296
53.5	1929.779	1921.877	1931.779	1945.987	1945.134
54.0	1895.449	1890.356	1899.779	1914.124	1914.229
54.5	1860.434	1856.369	1867.916	1883.768	1884.695

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L33-930-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	1830.764	1824.985	1838.725	1852.863	1854.819
55.5	1796.434	1791.820	1806.862	1823.329	1826.243
56.0	1762.927	1760.300	1777.328	1792.973	1795.545
56.5	1730.720	1728.300	1744.643	1762.411	1764.024
57.0	1697.692	1695.958	1713.944	1731.369	1735.242
57.5	1664.184	1664.437	1682.424	1698.820	1703.650
58.0	1630.333	1632.094	1651.039	1668.257	1671.716
58.5	1596.140	1598.587	1618.697	1638.038	1641.290
59.0	1564.276	1567.545	1587.998	1606.789	1612.507
59.5	1530.426	1533.695	1556.956	1575.884	1584.547
60.0	1495.753	1500.187	1525.229	1546.280	1553.913
60.5	1462.725	1467.980	1493.022	1515.167	1522.801
61.0	1429.525	1437.418	1463.282	1482.890	1490.524
61.5	1396.393	1403.088	1432.034	1450.476	1459.068
62.0	1362.405	1371.704	1400.992	1419.364	1426.241
62.5	1329.137	1338.332	1369.950	1386.743	1393.413
63.0	1298.506	1307.222	1337.744	1354.809	1361.272
63.5	1264.312	1274.022	1306.016	1321.846	1328.652
64.0	1230.118	1240.069	1272.781	1288.882	1295.481
64.5	1195.856	1206.834	1239.888	1255.754	1262.325
65.0	1160.978	1173.634	1207.475	1222.777	1229.155
65.5	1126.750	1140.537	1175.487	1191.582	1195.463
66.0	1092.522	1107.138	1142.730	1159.098	1163.500
66.5	1058.226	1074.253	1110.070	1125.763	1129.987
67.0	1024.080	1041.245	1077.067	1092.607	1095.719
67.5	990.256	1008.175	1043.967	1058.175	1062.535
68.0	955.912	975.283	1010.957	1024.758	1029.254
68.5	922.061	942.357	978.597	991.752	995.548
69.0	888.183	909.944	945.942	958.225	961.910
69.5	855.147	877.477	913.548	925.225	927.668
70.0	822.612	845.510	880.579	891.478	893.798
70.5	789.877	813.372	847.814	857.395	860.283
71.0	756.842	781.384	815.296	823.950	827.071
71.5	724.923	749.561	783.044	791.320	794.296
72.0	692.600	718.148	751.328	758.766	761.631
72.5	661.011	686.969	719.172	726.450	728.506
73.0	629.955	656.221	687.578	694.019	694.224
73.5	598.749	625.583	655.669	661.662	661.559
74.0	568.468	595.425	624.288	629.189	629.805
74.5	538.475	565.533	593.228	597.374	598.853
75.0	508.674	536.067	562.833	566.286	569.160
75.5	479.256	507.032	532.685	536.772	539.927
76.0	450.435	478.278	502.954	507.862	509.926
76.5	422.538	450.380	473.108	477.896	481.781
77.0	395.033	422.798	443.891	448.109	450.869
77.5	368.150	395.928	415.319	420.698	418.211
78.0	341.837	369.366	387.493	391.500	385.313
78.5	316.215	343.496	360.771	360.843	354.812
79.0	291.307	318.222	335.206	330.892	326.249
79.5	267.247	293.545	308.450	303.105	299.249
80.0	244.333	269.792	283.345	276.620	273.037
80.5	221.884	246.834	260.281	251.361	248.243
81.0	200.497	224.390	235.697	227.158	224.636
81.5	179.775	203.022	211.696	204.456	201.981
82.0	160.348	183.127	189.742	182.946	179.177
82.5	141.984	163.623	169.146	161.719	156.519

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L33-930-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	124.633	144.865	149.715	140.246	135.247
83.5	108.544	127.225	131.140	120.194	116.504
84.0	93.386	110.750	113.628	102.794	101.230
84.5	79.421	95.618	96.775	88.746	88.552
85.0	66.586	81.767	80.855	76.699	76.760
85.5	54.930	68.472	67.197	65.831	65.858
86.0	44.534	56.855	56.110	55.526	55.498
86.5	35.386	46.390	46.434	46.043	46.598
87.0	27.300	37.166	37.636	37.821	37.917
87.5	20.558	28.936	29.976	29.572	29.442
88.0	14.980	22.015	22.734	21.905	21.529
88.5	10.628	16.067	15.698	14.259	13.835
89.0	7.291	10.627	9.586	8.607	8.511
89.5	4.735	6.414	5.174	5.359	5.489
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

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : CMR4AEG-L33-930-CA-DIM-UNV_.IES

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-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 : CMR4AEG-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 : CMR4AEG-L33-930-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1483.14	N.A.	14.30
0-30	3100.12	N.A.	29.80
0-40	4986.25	N.A.	47.90
0-60	8518.42	N.A.	81.90
0-80	10291.69	N.A.	99.00
0-90	10398.97	N.A.	100.00
10-90	10011.12	N.A.	96.30
20-40	3503.11	N.A.	33.70
20-50	5391.38	N.A.	51.80
40-70	4717.87	N.A.	45.40
60-80	1773.28	N.A.	17.10
70-80	587.58	N.A.	5.70
80-90	107.27	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	10398.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	387.84
10-20	1095.3
20-30	1616.98
30-40	1886.12
40-50	1888.27
50-60	1643.9
60-70	1185.69
70-80	587.58
80-90	107.27
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-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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L33-930-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

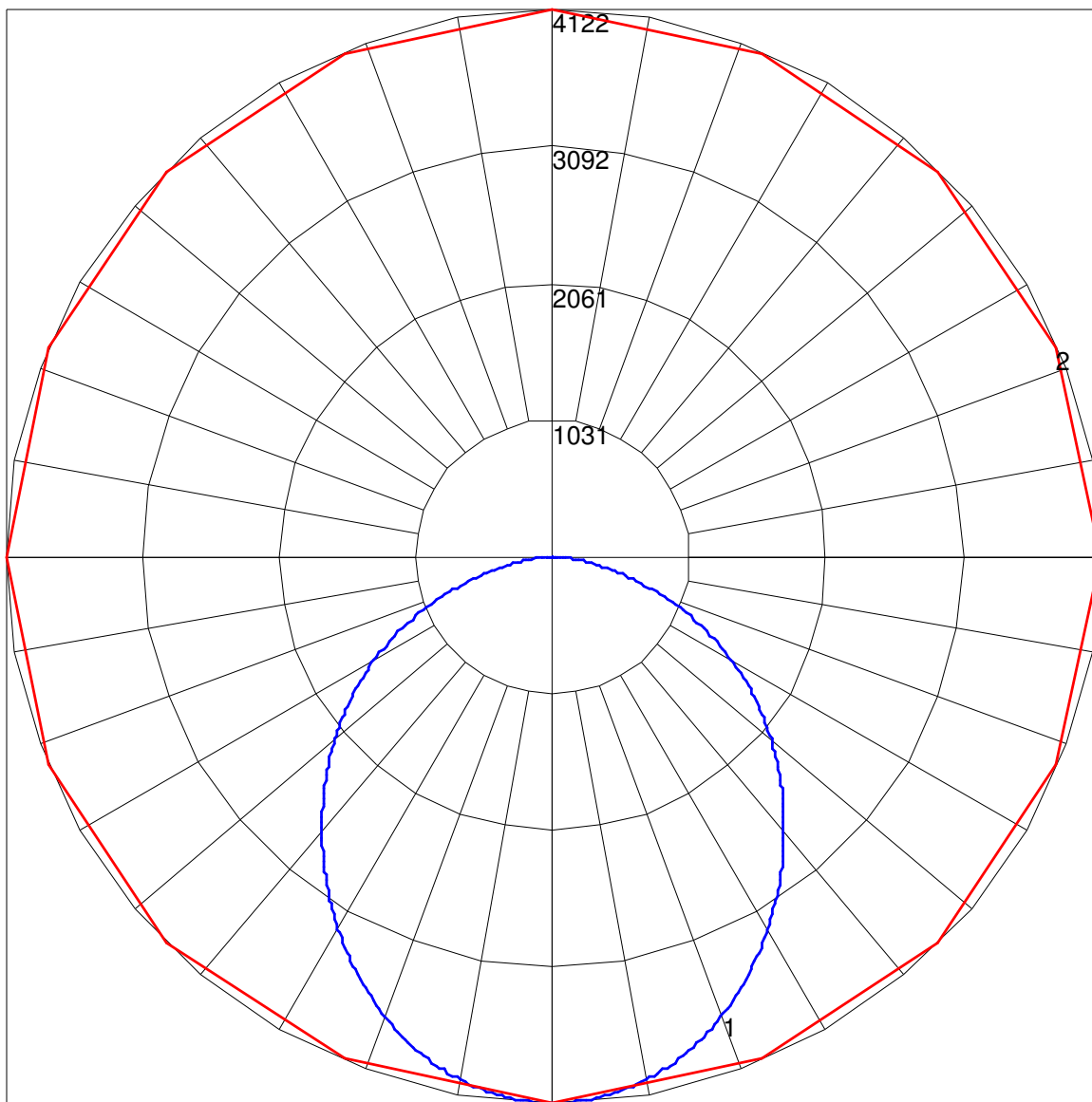
Reflectances

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	17.7	19.3	18.1	19.6	19.9	17.9	19.5	18.2	19.8	20.1
	3H	19.2	20.7	19.6	21.0	21.4	19.5	20.9	19.9	21.3	21.6
	4H	19.7	21.1	20.1	21.4	21.8	20.0	21.4	20.4	21.7	22.1
	6H	19.9	21.2	20.4	21.6	22.0	20.3	21.6	20.7	21.9	22.3
	8H	20.0	21.2	20.4	21.6	22.0	20.4	21.5	20.8	21.9	22.3
	12H	20.0	21.1	20.4	21.5	21.9	20.3	21.5	20.8	21.9	22.3
4H	2H	18.3	19.7	18.7	20.0	20.4	18.4	19.8	18.8	20.1	20.5
	3H	20.0	21.2	20.4	21.6	22.0	20.3	21.4	20.7	21.8	22.2
	4H	20.6	21.6	21.0	22.0	22.5	20.9	21.9	21.3	22.3	22.8
	6H	20.9	21.8	21.4	22.3	22.7	21.3	22.2	21.7	22.6	23.0
	8H	21.0	21.8	21.5	22.3	22.7	21.3	22.2	21.8	22.6	23.1
	12H	21.0	21.8	21.5	22.3	22.7	21.3	22.1	21.8	22.6	23.0
8H	4H	20.8	21.7	21.3	22.1	22.6	21.1	21.9	21.6	22.4	22.8
	6H	21.3	22.0	21.8	22.4	22.9	21.6	22.2	22.0	22.7	23.2
	8H	21.4	22.0	21.9	22.5	23.0	21.6	22.3	22.2	22.8	23.3
	12H	21.4	22.0	21.9	22.5	23.0	21.7	22.2	22.2	22.7	23.3
12H	4H	20.9	21.6	21.3	22.1	22.5	21.1	21.8	21.6	22.3	22.8
	6H	21.3	21.9	21.8	22.4	22.9	21.6	22.2	22.1	22.6	23.2
	8H	21.4	22.0	21.9	22.5	23.0	21.7	22.2	22.2	22.7	23.3

Maximum UGR = 23.3

POLAR GRAPH



Maximum Candela = 4122.161 Located At Horizontal Angle = 90, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)