

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L33-940-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-L33-940-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	10906
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
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	6007	5937	5915
55	5486	5509	5558
65	4721	4910	4998
75	3378	3737	3779
85	1313	1594	1514

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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	4315.843	4315.843	4315.843	4315.843	4315.843
0.5	4317.208	4313.399	4313.616	4309.380	4314.615
1.0	4322.529	4311.098	4318.646	4307.222	4323.242
1.5	4320.513	4308.797	4312.754	4305.640	4320.005
2.0	4318.932	4305.132	4309.517	4307.873	4318.572
2.5	4314.119	4301.826	4305.206	4302.123	4313.536
3.0	4311.315	4307.073	4306.645	4293.930	4306.930
3.5	4313.257	4304.846	4298.737	4294.792	4310.956
4.0	4305.994	4297.298	4295.940	4291.127	4307.793
4.5	4302.403	4297.658	4286.810	4283.510	4298.663
5.0	4298.452	4291.481	4287.889	4277.184	4295.723
5.5	4292.777	4285.874	4280.273	4278.772	4290.190
6.0	4287.672	4277.612	4272.942	4265.189	4284.801
6.5	4278.040	4268.197	4270.430	4262.460	4276.682
7.0	4275.528	4266.975	4258.645	4253.838	4264.749
7.5	4268.340	4258.782	4254.043	4244.064	4259.291
8.0	4260.723	4251.451	4249.088	4235.945	4247.723
8.5	4248.431	4240.386	4235.722	4222.362	4237.520
9.0	4243.332	4232.770	4226.238	4214.962	4230.983
9.5	4236.435	4224.936	4214.882	4206.918	4217.115
10.0	4224.359	4214.374	4207.408	4194.842	4205.479
10.5	4209.840	4204.816	4195.698	4183.417	4192.181
11.0	4194.886	4191.518	4185.347	4169.766	4185.073
11.5	4191.301	4183.040	4169.394	4158.199	4170.052
12.0	4181.241	4171.900	4160.054	4146.632	4153.957
12.5	4171.541	4156.953	4150.570	4132.044	4142.817
13.0	4154.646	4144.449	4134.544	4119.974	4129.817
13.5	4144.083	4131.945	4119.888	4102.725	4119.763
14.0	4130.717	4119.516	4108.103	4086.773	4102.589
14.5	4117.928	4103.849	4091.357	4074.920	4083.039
15.0	4102.187	4089.689	4075.262	4057.746	4067.019
15.5	4092.201	4071.219	4059.452	4040.429	4045.528
16.0	4072.794	4056.631	4044.437	4024.192	4036.199
16.5	4061.227	4042.043	4027.405	4008.456	4013.201
17.0	4044.338	4025.371	4012.315	3988.119	3999.624
17.5	4027.090	4008.842	3991.835	3969.940	3979.144
18.0	4006.101	3990.229	3975.021	3953.560	3957.300
18.5	3994.751	3978.160	3957.704	3933.080	3936.026
19.0	3973.477	3954.368	3935.568	3915.980	3916.916
19.5	3958.889	3937.770	3918.468	3895.717	3897.516
20.0	3935.315	3918.512	3897.411	3875.311	3873.730
20.5	3921.738	3898.820	3879.449	3855.048	3854.763
21.0	3892.550	3879.345	3856.309	3836.944	3834.934
21.5	3877.392	3860.446	3836.046	3812.941	3811.868
22.0	3859.070	3840.252	3814.486	3789.732	3792.758
22.5	3840.240	3817.831	3792.642	3768.967	3764.730
23.0	3814.941	3797.351	3773.173	3748.418	3749.863
23.5	3797.121	3776.151	3748.953	3724.490	3725.147
24.0	3776.567	3753.010	3727.325	3698.980	3701.578
24.5	3748.824	3730.949	3703.540	3677.352	3674.989
25.0	3728.847	3708.168	3680.976	3652.847	3653.362
25.5	3708.510	3685.747	3657.190	3630.934	3628.428
26.0	3685.871	3662.966	3632.542	3608.085	3605.151
26.5	3659.425	3639.323	3607.175	3581.353	3577.557

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CANDELA TABULATION - (Cont.)

27.0	3638.083	3614.675	3587.346	3556.922	3552.624
27.5	3612.139	3589.952	3559.820	3533.068	3532.367
28.0	3585.977	3564.728	3531.432	3508.997	3501.678
28.5	3562.409	3540.582	3509.519	3483.344	3476.099
29.0	3535.962	3515.934	3481.851	3458.268	3455.123
29.5	3511.457	3488.985	3456.918	3428.876	3424.509
30.0	3486.735	3463.041	3430.905	3406.460	3400.084
30.5	3459.569	3439.113	3406.474	3380.088	3375.870
31.0	3435.280	3410.222	3379.743	3353.071	3345.255
31.5	3405.671	3384.855	3351.212	3326.054	3321.978
32.0	3381.885	3358.266	3323.618	3300.401	3295.178
32.5	3350.694	3329.593	3296.024	3275.325	3267.658
33.0	3325.543	3302.284	3271.451	3246.007	3237.980
33.5	3298.018	3274.113	3239.614	3216.974	3209.884
34.0	3269.990	3245.943	3213.459	3193.913	3183.946
34.5	3240.957	3217.269	3186.008	3163.659	3157.288
35.0	3212.067	3188.237	3157.049	3138.583	3132.070
35.5	3184.256	3158.987	3129.095	3109.407	3101.312
36.0	3155.365	3131.033	3100.639	3081.168	3073.867
36.5	3125.613	3101.138	3071.823	3053.791	3043.972
37.0	3095.358	3072.465	3042.288	3025.478	3015.733
37.5	3065.749	3041.850	3013.472	2997.815	2991.811
38.0	3032.833	3012.315	2984.514	2967.920	2960.334
38.5	3005.599	2981.700	2954.978	2941.982	2933.676
39.0	2973.905	2953.889	2925.443	2912.447	2903.353
39.5	2943.433	2921.334	2894.903	2884.927	2873.390
40.0	2910.592	2892.158	2865.727	2856.471	2845.653
40.5	2879.618	2860.322	2834.970	2825.212	2816.912
41.0	2849.363	2829.924	2806.154	2797.977	2785.075
41.5	2814.581	2797.945	2776.117	2769.019	2754.535
42.0	2783.749	2766.469	2745.360	2737.902	2725.577
42.5	2753.135	2733.770	2713.740	2709.446	2695.899
43.0	2720.077	2703.875	2685.787	2681.349	2669.458
43.5	2688.600	2671.679	2653.448	2650.449	2641.362
44.0	2656.764	2639.700	2623.410	2619.190	2610.102
44.5	2624.066	2608.224	2593.372	2591.453	2581.361
45.0	2592.229	2575.885	2561.753	2561.056	2552.185
45.5	2559.171	2542.827	2530.494	2533.319	2521.571
46.0	2525.393	2510.848	2499.377	2502.922	2492.972
46.5	2494.060	2479.514	2468.979	2472.667	2462.934
47.0	2463.662	2445.953	2437.360	2442.629	2432.537
47.5	2430.027	2412.895	2406.243	2410.867	2402.356
48.0	2397.186	2381.419	2373.905	2380.972	2372.604
48.5	2364.128	2348.218	2342.788	2348.633	2342.349
49.0	2331.070	2315.519	2311.888	2320.537	2312.814
49.5	2296.213	2282.461	2280.411	2289.203	2283.856
50.0	2263.372	2249.620	2248.792	2257.944	2254.103
50.5	2229.594	2217.926	2216.956	2228.408	2224.711
51.0	2195.314	2183.144	2184.617	2196.212	2192.012
51.5	2160.675	2148.721	2152.278	2164.016	2162.620
52.0	2126.252	2115.304	2121.304	2133.836	2131.143
52.5	2092.332	2083.108	2088.965	2104.946	2102.253
53.0	2057.835	2048.325	2057.489	2071.311	2069.554
53.5	2023.914	2015.627	2026.012	2040.913	2040.019
54.0	1987.910	1982.569	1992.452	2007.495	2007.606
54.5	1951.186	1946.924	1959.034	1975.659	1976.632

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55.0	1920.070	1914.009	1928.419	1943.246	1945.298
55.5	1884.065	1879.226	1895.001	1912.272	1915.328
56.0	1848.923	1846.168	1864.027	1880.436	1883.132
56.5	1815.146	1812.607	1829.747	1848.382	1850.074
57.0	1780.506	1778.687	1797.551	1815.827	1819.888
57.5	1745.364	1745.629	1764.493	1781.689	1786.755
58.0	1709.862	1711.709	1731.578	1749.636	1753.263
58.5	1674.000	1676.567	1697.657	1717.942	1721.353
59.0	1640.583	1644.011	1665.461	1685.169	1691.166
59.5	1605.081	1608.509	1632.906	1652.756	1661.842
60.0	1568.717	1573.367	1599.630	1621.708	1629.714
60.5	1534.077	1539.589	1565.853	1589.078	1597.084
61.0	1499.257	1507.536	1534.662	1555.226	1563.232
61.5	1464.510	1471.532	1501.889	1521.231	1530.242
62.0	1428.864	1438.616	1469.333	1488.601	1495.814
62.5	1393.973	1403.617	1436.777	1454.389	1461.385
63.0	1361.847	1370.989	1403.000	1420.897	1427.676
63.5	1325.986	1336.170	1369.725	1386.326	1393.464
64.0	1290.124	1300.560	1334.868	1351.754	1358.676
64.5	1254.191	1265.704	1300.371	1317.011	1323.902
65.0	1217.611	1230.885	1266.376	1282.424	1289.114
65.5	1181.713	1196.173	1232.827	1249.708	1253.778
66.0	1145.816	1161.145	1198.473	1215.639	1220.256
66.5	1109.846	1126.656	1164.220	1180.678	1185.108
67.0	1074.035	1092.037	1129.607	1145.905	1149.169
67.5	1038.562	1057.354	1094.893	1109.793	1114.366
68.0	1002.542	1022.858	1060.272	1074.746	1079.461
68.5	967.040	988.325	1026.334	1040.130	1044.111
69.0	931.509	954.332	992.086	1004.967	1008.832
69.5	896.861	920.281	958.112	970.358	972.921
70.0	862.739	886.755	923.534	934.965	937.398
70.5	828.408	853.048	889.171	899.220	902.248
71.0	793.761	819.500	855.066	864.143	867.415
71.5	760.285	786.125	821.242	829.921	833.042
72.0	726.386	753.180	787.978	795.779	798.783
72.5	693.255	720.480	754.254	761.887	764.043
73.0	660.685	688.232	721.119	727.873	728.089
73.5	627.957	656.100	687.653	693.938	693.830
74.0	596.199	624.470	654.741	659.881	660.527
74.5	564.743	593.120	622.166	626.514	628.065
75.0	533.487	562.216	590.288	593.909	596.924
75.5	502.635	531.765	558.669	562.956	566.265
76.0	472.407	501.608	527.489	532.636	534.800
76.5	443.150	472.350	496.186	501.208	505.283
77.0	414.303	443.422	465.544	469.968	472.863
77.5	386.109	415.241	435.578	441.220	438.612
78.0	358.512	387.384	406.396	410.598	404.109
78.5	331.641	360.252	378.369	378.446	372.120
79.0	305.517	333.745	351.558	347.033	342.164
79.5	280.284	307.864	323.496	317.891	313.846
80.0	256.251	282.953	297.167	290.113	286.356
80.5	232.707	258.875	272.978	263.623	260.353
81.0	210.278	235.336	247.195	238.239	235.594
81.5	188.545	212.925	222.022	214.429	211.834
82.0	168.170	192.060	198.998	191.870	187.918
82.5	148.910	171.604	177.397	169.607	164.155

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CANDELA TABULATION - (Cont.)

83.0	130.713	151.932	157.018	147.088	141.844
83.5	113.838	133.431	137.537	126.057	122.188
84.0	97.941	116.152	119.171	107.809	106.168
84.5	83.295	100.282	101.496	93.075	92.872
85.0	69.834	85.756	84.799	80.441	80.504
85.5	57.609	71.812	70.475	69.043	69.071
86.0	46.707	59.629	58.847	58.235	58.205
86.5	37.113	48.653	48.699	48.289	48.871
87.0	28.632	38.979	39.472	39.666	39.767
87.5	21.560	30.347	31.438	31.015	30.878
88.0	15.710	23.089	23.843	22.974	22.579
88.5	11.147	16.851	16.463	14.955	14.510
89.0	7.647	11.146	10.054	9.027	8.926
89.5	4.966	6.726	5.426	5.620	5.757
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-L33-940-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-L33-940-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-L33-940-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1555.49	N.A.	14.30
0-30	3251.35	N.A.	29.80
0-40	5229.48	N.A.	47.90
0-60	8933.95	N.A.	81.90
0-80	10793.73	N.A.	99.00
0-90	10906.23	N.A.	100.00
10-90	10499.47	N.A.	96.30
20-40	3673.99	N.A.	33.70
20-50	5654.37	N.A.	51.80
40-70	4948.01	N.A.	45.40
60-80	1859.78	N.A.	17.10
70-80	616.24	N.A.	5.70
80-90	112.50	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	10906.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	406.76
10-20	1148.72
20-30	1695.86
30-40	1978.13
40-50	1980.38
50-60	1724.09
60-70	1243.53
70-80	616.24
80-90	112.50
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-L33-940-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	49	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-L33-940-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

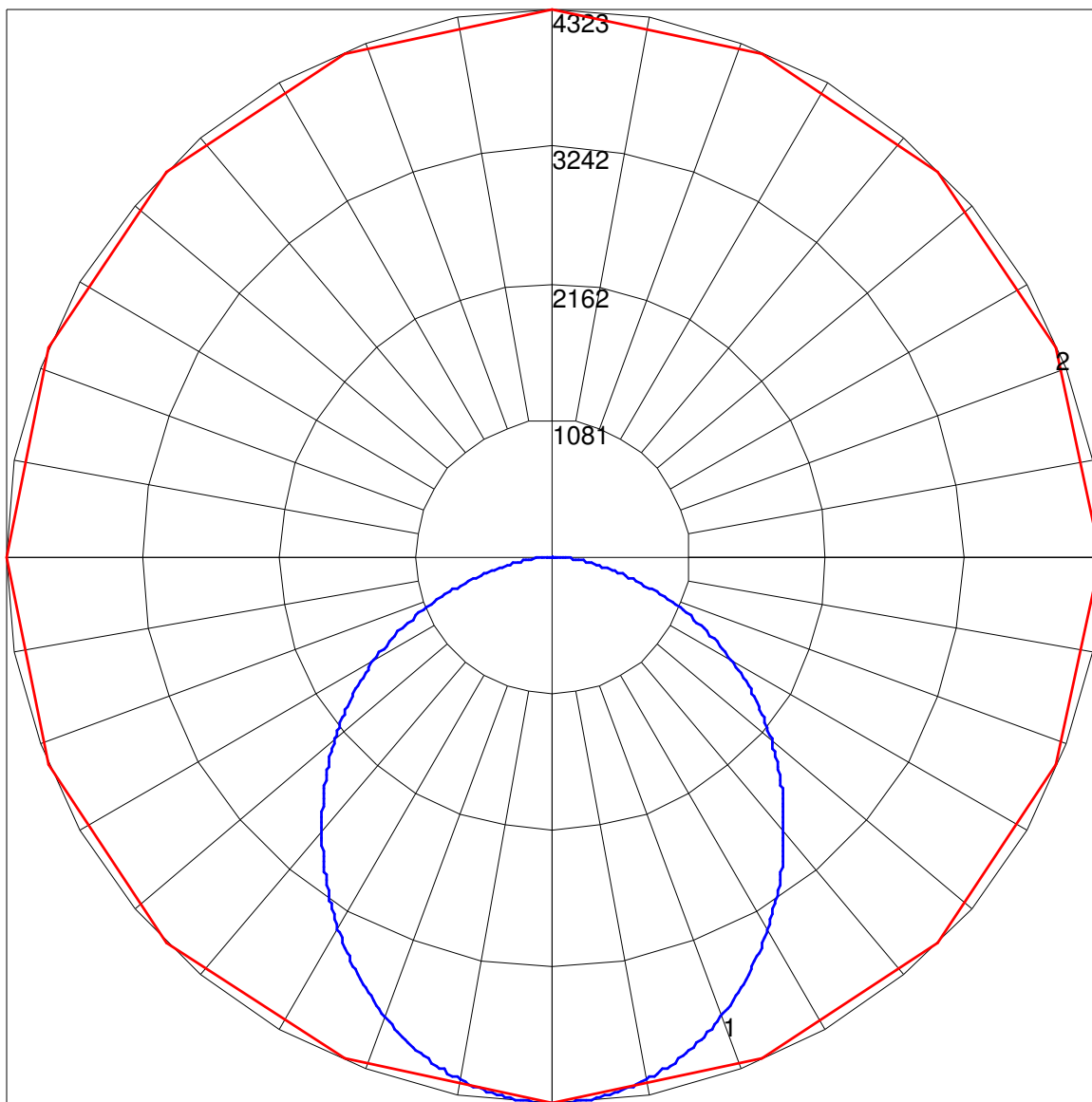
Reflectances

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	17.9	19.5	18.3	19.8	20.1	18.1	19.7	18.4	20.0	20.3
	3H	19.4	20.9	19.8	21.2	21.6	19.7	21.1	20.1	21.5	21.8
	4H	19.9	21.3	20.3	21.6	22.0	20.2	21.6	20.6	21.9	22.3
	6H	20.1	21.4	20.6	21.8	22.2	20.5	21.8	20.9	22.1	22.5
	8H	20.2	21.4	20.6	21.8	22.2	20.6	21.7	21.0	22.1	22.5
	12H	20.2	21.3	20.6	21.7	22.1	20.5	21.7	21.0	22.1	22.5
4H	2H	18.5	19.9	18.9	20.2	20.6	18.6	20.0	19.0	20.3	20.7
	3H	20.2	21.4	20.7	21.8	22.2	20.5	21.6	20.9	22.0	22.4
	4H	20.8	21.8	21.2	22.2	22.7	21.1	22.1	21.5	22.5	23.0
	6H	21.1	22.0	21.6	22.5	22.9	21.5	22.4	21.9	22.8	23.2
	8H	21.2	22.0	21.7	22.5	22.9	21.5	22.4	22.0	22.8	23.3
	12H	21.2	22.0	21.7	22.5	22.9	21.5	22.3	22.0	22.8	23.2
8H	4H	21.0	21.9	21.5	22.3	22.8	21.3	22.1	21.8	22.6	23.0
	6H	21.5	22.2	22.0	22.6	23.1	21.8	22.4	22.2	22.9	23.4
	8H	21.6	22.2	22.1	22.7	23.2	21.8	22.5	22.4	23.0	23.5
	12H	21.6	22.2	22.1	22.7	23.2	21.9	22.4	22.4	22.9	23.5
12H	4H	21.1	21.8	21.5	22.3	22.7	21.3	22.0	21.8	22.5	23.0
	6H	21.5	22.1	22.0	22.6	23.1	21.8	22.4	22.3	22.8	23.4
	8H	21.6	22.2	22.1	22.7	23.2	21.9	22.4	22.4	22.9	23.5

Maximum UGR = 23.5

POLAR GRAPH



Maximum Candela = 4323.242 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.)