

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L52-935-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-L52-935-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	10504
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
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	5620	5733	5884
55	5146	5417	5673
65	4439	4933	5198
75	3185	3815	3938
85	1240	1459	1330

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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	4018.032	4018.032	4018.032	4018.032	4018.032
0.5	4018.790	4015.621	4016.619	4014.793	4013.488
1.0	4025.608	4012.763	4020.993	4011.487	4023.371
1.5	4021.855	4009.905	4015.965	4009.731	4018.412
2.0	4020.099	4006.289	4011.007	4014.482	4019.548
2.5	4016.723	4003.224	4007.734	4009.006	4011.835
3.0	4013.761	4008.596	4009.938	4001.120	4009.043
3.5	4016.068	4007.183	4001.157	4001.774	4013.210
4.0	4006.943	3998.953	4001.534	3998.158	4009.698
4.5	4004.773	3999.504	3991.547	3991.821	3999.711
5.0	4002.051	3995.370	3993.200	3984.796	4000.535
5.5	3998.021	3989.447	3986.862	3989.891	3996.058
6.0	3992.202	3983.453	3979.630	3977.079	3991.133
6.5	3982.111	3974.361	3979.113	3975.563	3984.692
7.0	3981.594	3973.156	3969.056	3969.019	3971.744
7.5	3973.914	3965.270	3963.340	3959.376	3968.712
8.0	3967.577	3958.037	3960.411	3952.935	3959.653
8.5	3954.077	3949.082	3948.598	3940.123	3951.353
9.0	3951.597	3942.745	3941.399	3934.784	3946.668
9.5	3946.361	3935.409	3930.000	3929.789	3934.751
10.0	3933.860	3926.558	3923.215	3917.288	3927.586
10.5	3918.948	3917.913	3914.604	3907.782	3913.879
11.0	3902.040	3904.207	3903.412	3896.864	3910.984
11.5	3903.208	3897.215	3889.635	3887.805	3895.969
12.0	3894.460	3886.814	3881.989	3878.746	3882.640
12.5	3886.263	3873.245	3874.790	3865.728	3872.239
13.0	3867.048	3862.086	3859.568	3856.566	3864.315
13.5	3858.196	3850.927	3848.442	3840.138	3858.906
14.0	3846.383	3841.214	3838.385	3826.361	3843.924
14.5	3836.119	3826.543	3822.061	3818.198	3824.638
15.0	3820.002	3812.182	3808.732	3803.216	3812.755
15.5	3812.699	3794.549	3794.508	3788.681	3791.162
16.0	3792.966	3781.530	3782.832	3775.799	3790.193
16.5	3783.908	3768.512	3767.402	3763.021	3768.290
17.0	3768.031	3753.633	3754.280	3744.527	3758.817
17.5	3751.603	3738.308	3736.233	3729.338	3740.770
18.0	3730.114	3721.122	3721.802	3716.903	3721.965
18.5	3722.054	3711.960	3707.268	3698.856	3701.370
19.0	3701.459	3687.509	3686.019	3685.320	3687.420
19.5	3688.440	3674.076	3672.482	3668.271	3671.026
20.0	3664.988	3657.234	3652.886	3651.670	3649.914
20.5	3655.515	3638.396	3638.696	3634.621	3635.516
21.0	3622.800	3620.556	3617.239	3620.878	3620.464
21.5	3611.571	3604.265	3600.191	3598.767	3600.453
22.0	3596.830	3585.323	3580.491	3579.204	3586.503
22.5	3578.646	3564.969	3561.686	3562.052	3560.225
23.0	3553.884	3546.922	3547.185	3545.898	3551.440
23.5	3539.246	3527.773	3524.076	3525.233	3531.567
24.0	3519.753	3506.317	3506.269	3502.812	3511.453
24.5	3492.581	3486.514	3485.157	3485.005	3487.379
25.0	3474.638	3465.608	3465.250	3462.791	3469.572
25.5	3456.143	3445.254	3444.138	3445.879	3448.700
26.0	3434.790	3424.349	3422.371	3426.867	3431.030
26.5	3410.269	3402.789	3399.502	3403.241	3406.749

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CANDELA TABULATION - (Cont.)

27.0	3391.568	3381.023	3384.450	3382.472	3385.878
27.5	3367.150	3357.810	3358.276	3363.253	3372.168
28.0	3341.734	3334.494	3331.448	3343.036	3342.481
28.5	3321.620	3312.831	3314.536	3321.062	3321.953
29.0	3297.099	3291.065	3288.809	3300.637	3307.141
29.5	3274.885	3266.440	3267.937	3273.602	3278.900
30.0	3251.672	3242.022	3245.413	3256.586	3261.471
30.5	3226.049	3221.357	3224.644	3233.511	3241.701
31.0	3204.834	3194.425	3201.018	3210.779	3213.460
31.5	3176.800	3171.557	3174.637	3188.047	3195.790
32.0	3155.687	3147.483	3150.356	3166.074	3174.056
32.5	3125.897	3121.549	3126.075	3145.649	3151.221
33.0	3104.027	3096.374	3105.754	3120.059	3125.081
33.5	3077.853	3070.543	3076.308	3093.575	3100.696
34.0	3051.576	3044.713	3054.231	3076.903	3079.617
34.5	3025.091	3018.780	3029.502	3049.213	3057.436
35.0	2998.159	2992.295	3004.463	3028.789	3037.459
35.5	2972.880	2964.812	2979.632	3002.752	3009.666
36.0	2945.948	2939.980	2954.696	2978.815	2988.276
36.5	2918.362	2912.841	2929.210	2955.532	2961.137
37.0	2890.672	2886.908	2902.622	2930.149	2937.200
37.5	2862.638	2858.667	2877.136	2907.761	2919.874
38.0	2831.539	2832.079	2852.097	2880.622	2890.979
38.5	2807.809	2803.838	2825.509	2859.543	2868.798
39.0	2777.915	2778.559	2798.920	2832.955	2843.001
39.5	2749.227	2748.011	2772.125	2810.120	2817.755
40.0	2719.574	2721.973	2746.088	2785.185	2793.922
40.5	2690.782	2692.527	2718.295	2757.288	2769.881
41.0	2663.092	2665.285	2692.808	2733.558	2740.435
41.5	2631.132	2636.286	2666.117	2708.519	2713.640
42.0	2601.893	2607.391	2638.323	2680.174	2688.601
42.5	2573.652	2577.290	2609.875	2655.239	2662.460
43.0	2543.000	2550.151	2585.044	2630.855	2641.278
43.5	2514.105	2520.154	2555.494	2603.509	2616.893
44.0	2484.659	2491.155	2528.802	2575.612	2588.996
44.5	2454.558	2462.260	2502.111	2551.778	2564.956
45.0	2425.112	2432.710	2473.663	2524.536	2538.919
45.5	2394.460	2402.058	2445.766	2500.702	2510.678
46.0	2362.707	2373.060	2417.421	2473.459	2486.190
46.5	2333.364	2343.717	2390.179	2445.770	2459.498
47.0	2306.122	2312.962	2361.731	2419.078	2432.256
47.5	2273.921	2282.310	2333.387	2391.077	2406.011
48.0	2244.268	2253.415	2303.837	2363.938	2378.425
48.5	2213.616	2223.211	2275.492	2334.389	2350.735
49.0	2182.964	2193.110	2248.146	2310.004	2324.147
49.5	2149.558	2162.459	2219.251	2280.662	2299.108
50.0	2119.905	2132.805	2190.803	2252.765	2271.522
50.5	2088.152	2102.912	2161.357	2226.176	2244.486
51.0	2056.295	2070.951	2131.807	2196.179	2214.385
51.5	2023.887	2039.542	2102.257	2166.182	2187.350
52.0	1992.477	2008.339	2073.466	2139.938	2158.455
52.5	1961.171	1978.342	2043.916	2113.006	2131.523
53.0	1928.316	1946.382	2015.021	2080.805	2101.422
53.5	1897.010	1916.281	1986.125	2053.563	2074.834
54.0	1863.844	1885.630	1955.370	2022.360	2043.839
54.5	1829.577	1853.015	1924.168	1992.914	2015.047

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55.0	1801.232	1821.916	1895.927	1961.919	1985.704
55.5	1768.066	1789.955	1864.724	1933.127	1957.119
56.0	1735.555	1759.304	1835.933	1903.681	1927.122
56.5	1703.802	1728.549	1804.076	1873.236	1896.471
57.0	1671.394	1697.243	1774.079	1842.688	1866.888
57.5	1638.883	1666.591	1743.427	1810.384	1834.790
58.0	1605.820	1635.285	1712.328	1779.939	1802.142
58.5	1572.207	1602.774	1681.022	1750.046	1771.250
59.0	1541.005	1572.226	1651.025	1718.499	1741.667
59.5	1507.942	1539.163	1620.477	1687.504	1712.739
60.0	1474.226	1506.652	1588.827	1657.266	1680.849
60.5	1441.818	1474.899	1557.074	1625.273	1648.855
61.0	1409.134	1444.454	1527.284	1592.074	1615.656
61.5	1376.561	1411.288	1495.737	1559.322	1583.111
62.0	1343.279	1380.189	1465.189	1527.328	1548.363
62.5	1310.485	1347.231	1434.641	1493.578	1513.614
63.0	1279.931	1316.572	1402.888	1460.930	1479.968
63.5	1246.317	1283.889	1371.238	1426.629	1446.218
64.0	1212.704	1250.662	1337.832	1392.328	1410.919
64.5	1178.981	1217.923	1304.977	1357.896	1375.909
65.0	1144.934	1185.240	1272.225	1323.306	1340.609
65.5	1111.265	1152.722	1240.090	1291.247	1304.339
66.0	1077.597	1119.853	1206.787	1257.050	1271.113
66.5	1043.818	1087.476	1173.839	1221.620	1235.263
67.0	1010.216	1054.834	1140.340	1186.610	1198.534
67.5	977.064	1022.226	1106.486	1149.750	1162.946
68.0	943.275	989.705	1072.509	1114.255	1127.003
68.5	909.879	957.129	1039.245	1079.086	1090.444
69.0	876.572	925.045	1005.439	1042.947	1053.661
69.5	844.020	892.806	972.120	1007.590	1016.175
70.0	812.005	861.104	938.008	971.165	979.485
70.5	779.804	829.127	903.893	934.333	942.967
71.0	747.251	797.326	869.975	898.259	906.801
71.5	715.894	765.655	836.018	863.029	870.872
72.0	684.020	734.312	802.654	827.720	834.919
72.5	652.924	703.209	768.719	792.463	798.628
73.0	622.421	672.534	735.286	757.085	761.277
73.5	591.742	641.835	701.547	721.627	725.324
74.0	561.883	611.573	668.255	686.050	690.236
74.5	532.420	581.607	635.081	651.330	655.702
75.0	502.998	551.924	602.575	617.243	622.060
75.5	473.993	522.668	570.265	584.355	588.756
76.0	445.545	493.663	538.427	551.836	554.619
76.5	417.918	465.368	506.468	518.422	521.931
77.0	390.852	437.379	475.123	485.093	487.263
77.5	364.254	410.069	444.345	453.852	451.455
78.0	338.304	382.921	414.302	421.271	415.261
78.5	312.932	356.351	385.164	387.611	380.920
79.0	288.239	330.340	357.087	354.486	347.761
79.5	264.445	304.886	328.228	322.972	316.179
80.0	241.756	280.252	300.822	292.551	285.530
80.5	219.549	256.362	275.097	263.300	256.428
81.0	198.383	232.964	248.329	235.279	228.631
81.5	177.884	210.562	222.163	208.869	202.232
82.0	158.667	189.527	197.822	183.909	176.325
82.5	140.490	169.053	174.729	159.869	151.784

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CANDELA TABULATION - (Cont.)

83.0	123.342	149.313	152.840	136.633	129.402
83.5	107.421	130.768	131.995	115.612	110.285
84.0	92.463	113.428	112.525	97.787	94.874
84.5	78.622	97.380	94.245	83.546	82.169
85.0	65.931	82.658	77.597	71.454	70.752
85.5	54.401	68.627	63.584	60.857	60.434
86.0	44.096	56.295	52.367	51.097	50.852
86.5	35.063	45.213	42.886	42.325	42.683
87.0	27.070	35.591	34.548	34.779	34.799
87.5	20.368	27.232	27.505	27.322	27.246
88.0	14.871	20.444	20.933	20.468	20.196
88.5	10.545	14.820	14.692	13.714	13.432
89.0	7.250	9.878	9.271	8.630	8.610
89.5	4.742	6.106	5.314	5.545	5.620
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-L52-935-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-L52-935-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-L52-935-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1453.04	N.A.	13.80
0-30	3049.75	N.A.	29.00
0-40	4932.39	N.A.	47.00
0-60	8535.12	N.A.	81.30
0-80	10396.32	N.A.	99.00
0-90	10504.18	N.A.	100.00
10-90	10125.16	N.A.	96.40
20-40	3479.34	N.A.	33.10
20-50	5390.65	N.A.	51.30
40-70	4843.08	N.A.	46.10
60-80	1861.2	N.A.	17.70
70-80	620.85	N.A.	5.90
80-90	107.85	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	10504.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	379.01
10-20	1074.03
20-30	1596.7
30-40	1882.64
40-50	1911.31
50-60	1691.43
60-70	1240.35
70-80	620.85
80-90	107.85
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-L52-935-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	80	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-L52-935-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

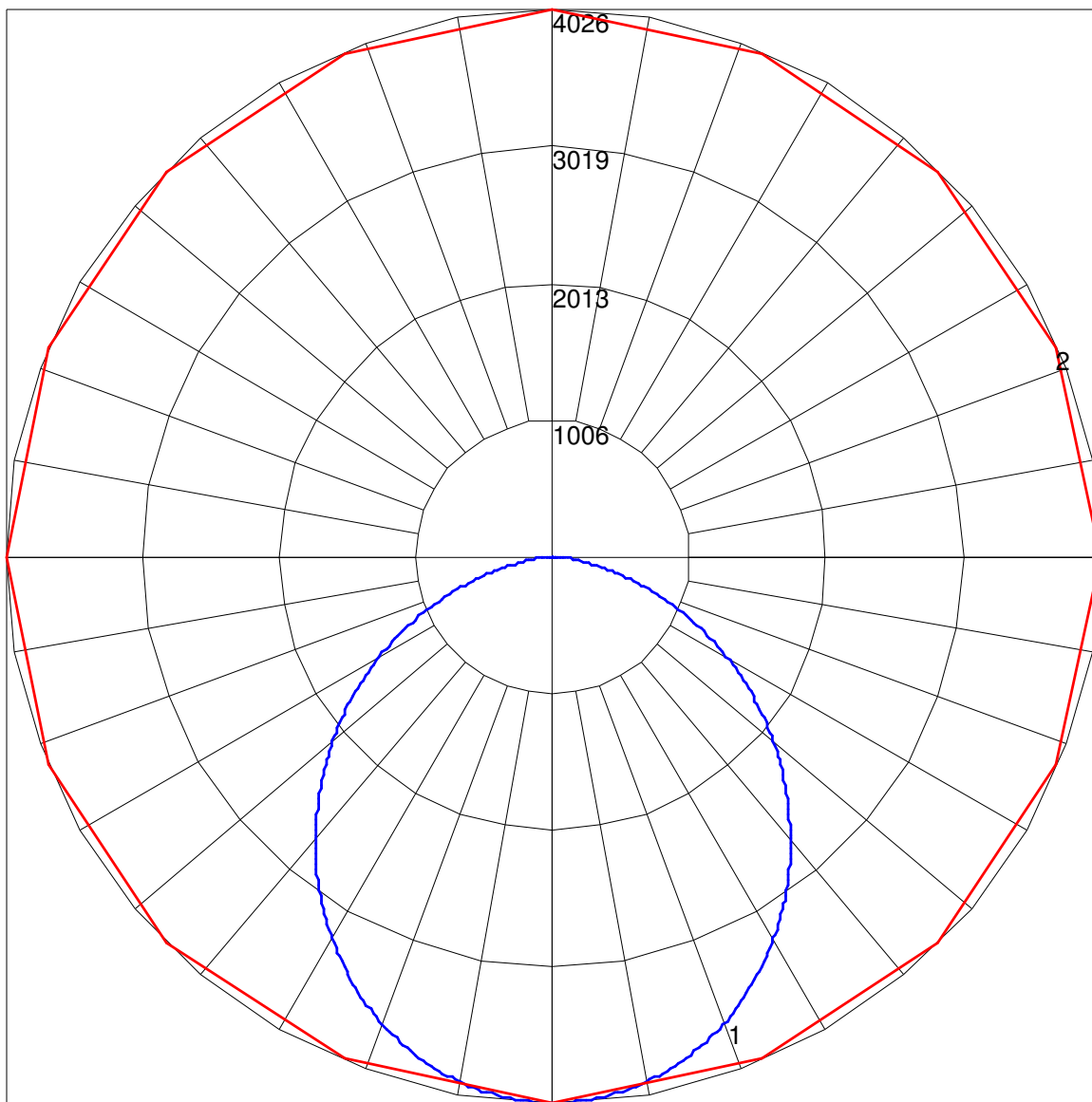
Reflectances

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	18.3	19.9	18.7	20.2	20.6
	3H	19.2	20.7	19.6	21.0	21.4	20.0	21.5	20.4	21.8	22.2
	4H	19.7	21.1	20.1	21.4	21.8	20.6	21.9	21.0	22.3	22.7
	6H	20.0	21.2	20.4	21.6	22.0	20.8	22.1	21.2	22.5	22.9
	8H	20.0	21.2	20.4	21.6	22.0	20.9	22.1	21.3	22.5	22.9
	12H	20.0	21.2	20.4	21.6	22.0	20.9	22.0	21.3	22.4	22.8
4H	2H	18.4	19.8	18.8	20.1	20.5	18.9	20.2	19.3	20.6	21.0
	3H	20.1	21.3	20.5	21.7	22.1	20.8	21.9	21.2	22.3	22.7
	4H	20.7	21.7	21.1	22.1	22.6	21.4	22.5	21.8	22.9	23.3
	6H	21.1	21.9	21.5	22.4	22.8	21.8	22.7	22.3	23.1	23.6
	8H	21.1	22.0	21.6	22.4	22.9	21.9	22.7	22.3	23.1	23.6
	12H	21.1	21.9	21.6	22.4	22.8	21.9	22.6	22.4	23.1	23.6
8H	4H	21.0	21.8	21.5	22.3	22.7	21.6	22.5	22.1	22.9	23.4
	6H	21.4	22.1	21.9	22.6	23.1	22.1	22.8	22.6	23.3	23.7
	8H	21.5	22.1	22.0	22.6	23.1	22.2	22.8	22.7	23.3	23.8
	12H	21.6	22.1	22.1	22.6	23.2	22.2	22.7	22.7	23.2	23.8
12H	4H	21.0	21.8	21.5	22.2	22.7	21.6	22.4	22.1	22.9	23.3
	6H	21.4	22.1	22.0	22.5	23.1	22.1	22.7	22.6	23.2	23.7
	8H	21.6	22.1	22.1	22.6	23.2	22.2	22.7	22.7	23.2	23.8

Maximum UGR = 23.8

POLAR GRAPH



Maximum Candela = 4025.608 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.)