

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L33-935-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-L33-935-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	10526
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
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	5798	5730	5708
55	5294	5317	5364
65	4557	4739	4824
75	3260	3607	3648
85	1267	1539	1461

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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	4165.290	4165.290	4165.290	4165.290	4165.290
0.5	4166.607	4162.932	4163.141	4159.053	4164.105
1.0	4171.743	4160.711	4167.996	4156.970	4172.432
1.5	4169.798	4158.490	4162.309	4155.443	4169.307
2.0	4168.271	4154.953	4159.185	4157.598	4167.924
2.5	4163.626	4151.762	4155.025	4152.049	4163.064
3.0	4160.921	4156.826	4156.413	4144.142	4156.689
3.5	4162.794	4154.677	4148.781	4144.974	4160.574
4.0	4155.785	4147.393	4146.081	4141.436	4157.521
4.5	4152.319	4147.740	4137.270	4134.086	4148.710
5.0	4148.506	4141.778	4138.312	4127.980	4145.872
5.5	4143.029	4136.366	4130.961	4129.512	4140.533
6.0	4138.102	4128.393	4123.886	4116.403	4135.331
6.5	4128.806	4119.307	4121.461	4113.769	4127.495
7.0	4126.382	4118.127	4110.088	4105.449	4115.978
7.5	4119.444	4110.220	4105.647	4096.015	4110.711
8.0	4112.093	4103.145	4100.864	4088.179	4099.547
8.5	4100.230	4092.466	4087.964	4075.070	4089.700
9.0	4095.309	4085.115	4078.811	4067.929	4083.391
9.5	4088.653	4077.555	4067.851	4060.165	4070.006
10.0	4076.998	4067.361	4060.638	4048.510	4058.776
10.5	4062.985	4058.136	4049.337	4037.484	4045.943
11.0	4048.553	4045.303	4039.346	4024.309	4039.082
11.5	4045.093	4037.120	4023.950	4013.145	4024.585
12.0	4035.384	4026.369	4014.936	4001.982	4009.051
12.5	4026.022	4011.943	4005.783	3987.903	3998.300
13.0	4009.716	3999.875	3990.315	3976.254	3985.754
13.5	3999.522	3987.808	3976.171	3959.607	3976.050
14.0	3986.623	3975.812	3964.797	3944.211	3959.475
14.5	3974.280	3960.691	3948.635	3932.772	3940.608
15.0	3959.087	3947.026	3933.102	3916.197	3925.146
15.5	3949.450	3929.200	3917.844	3899.484	3904.405
16.0	3930.720	3915.121	3903.352	3883.813	3895.402
16.5	3919.556	3901.042	3886.914	3868.627	3873.206
17.0	3903.257	3884.951	3872.350	3848.999	3860.102
17.5	3886.610	3868.999	3852.585	3831.454	3840.337
18.0	3866.354	3851.035	3836.357	3815.645	3819.254
18.5	3855.399	3839.387	3819.644	3795.879	3798.723
19.0	3834.867	3816.425	3798.281	3779.376	3780.280
19.5	3820.789	3800.406	3781.777	3759.820	3761.556
20.0	3798.036	3781.820	3761.455	3740.126	3738.600
20.5	3784.933	3762.815	3744.120	3720.570	3720.295
21.0	3756.763	3744.019	3721.786	3703.097	3701.157
21.5	3742.134	3725.780	3702.230	3679.931	3678.896
22.0	3724.451	3706.290	3681.423	3657.532	3660.453
22.5	3706.278	3684.650	3660.341	3637.491	3633.403
23.0	3681.861	3664.885	3641.551	3617.660	3619.054
23.5	3664.664	3644.425	3618.176	3594.566	3595.200
24.0	3644.826	3622.091	3597.302	3569.946	3572.453
24.5	3618.051	3600.800	3574.346	3549.073	3546.792
25.0	3598.771	3578.813	3552.570	3525.422	3525.919
25.5	3579.143	3557.174	3529.614	3504.274	3501.855
26.0	3557.294	3535.188	3505.825	3482.222	3479.390
26.5	3531.770	3512.369	3481.343	3456.422	3452.758

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CANDELA TABULATION - (Cont.)

27.0	3511.173	3488.581	3462.206	3432.843	3428.695
27.5	3486.134	3464.721	3435.640	3409.821	3409.145
28.0	3460.885	3440.377	3408.243	3386.590	3379.526
28.5	3438.139	3417.073	3387.094	3361.832	3354.840
29.0	3412.615	3393.285	3360.391	3337.631	3334.596
29.5	3388.964	3367.277	3336.328	3309.264	3305.049
30.0	3365.104	3342.237	3311.223	3287.630	3281.476
30.5	3338.886	3319.144	3287.644	3262.178	3258.107
31.0	3315.445	3291.261	3261.845	3236.103	3228.561
31.5	3286.868	3266.779	3234.309	3210.029	3206.095
32.0	3263.912	3241.117	3207.678	3185.271	3180.230
32.5	3233.809	3213.444	3181.046	3161.069	3153.670
33.0	3209.536	3187.088	3157.330	3132.774	3125.027
33.5	3182.971	3159.900	3126.604	3104.754	3097.911
34.0	3155.920	3132.712	3101.362	3082.498	3072.878
34.5	3127.900	3105.039	3074.868	3053.299	3047.150
35.0	3100.018	3077.019	3046.920	3029.097	3022.811
35.5	3073.177	3048.789	3019.941	3000.939	2993.127
36.0	3045.294	3021.811	2992.477	2973.685	2966.639
36.5	3016.580	2992.959	2964.667	2947.263	2937.787
37.0	2987.381	2965.286	2936.162	2919.938	2910.533
37.5	2958.804	2935.739	2908.351	2893.240	2887.445
38.0	2927.037	2907.234	2880.403	2864.388	2857.066
38.5	2900.752	2877.688	2851.898	2839.355	2831.339
39.0	2870.164	2850.847	2823.393	2810.850	2802.074
39.5	2840.756	2819.427	2793.918	2784.290	2773.155
40.0	2809.060	2791.269	2765.760	2756.827	2746.386
40.5	2779.166	2760.543	2736.076	2726.658	2718.647
41.0	2749.967	2731.206	2708.265	2700.373	2687.922
41.5	2716.398	2700.343	2679.275	2672.425	2658.447
42.0	2686.642	2669.964	2649.591	2642.394	2630.499
42.5	2657.095	2638.406	2619.075	2614.930	2601.856
43.0	2625.190	2609.554	2592.096	2587.814	2576.338
43.5	2594.812	2578.481	2560.886	2557.992	2549.221
44.0	2564.086	2547.618	2531.896	2527.823	2519.052
44.5	2532.528	2517.239	2502.906	2501.054	2491.313
45.0	2501.803	2486.029	2472.390	2471.717	2463.156
45.5	2469.898	2454.124	2442.221	2444.947	2433.609
46.0	2437.298	2423.260	2412.189	2415.610	2406.008
46.5	2407.058	2393.019	2382.852	2386.411	2377.018
47.0	2377.720	2360.629	2352.336	2357.421	2347.681
47.5	2345.259	2328.724	2322.305	2326.767	2318.553
48.0	2313.563	2298.346	2291.094	2297.915	2289.839
48.5	2281.658	2266.303	2261.063	2266.704	2260.640
49.0	2249.753	2234.745	2231.241	2239.588	2232.135
49.5	2216.113	2202.840	2200.862	2209.347	2204.186
50.0	2184.417	2171.145	2170.346	2179.178	2175.472
50.5	2151.818	2140.557	2139.620	2150.673	2147.104
51.0	2118.734	2106.988	2108.409	2119.600	2115.547
51.5	2085.302	2073.766	2077.199	2088.527	2087.179
52.0	2052.080	2041.514	2047.305	2059.400	2056.801
52.5	2019.343	2010.441	2016.094	2031.517	2028.918
53.0	1986.050	1976.872	1985.716	1999.056	1997.361
53.5	1953.313	1945.314	1955.337	1969.719	1968.856
54.0	1918.564	1913.409	1922.948	1937.467	1937.573
54.5	1883.122	1879.008	1890.695	1906.741	1907.679

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55.0	1853.090	1847.241	1861.149	1875.458	1877.439
55.5	1818.342	1813.672	1828.897	1845.565	1848.515
56.0	1784.426	1781.767	1799.003	1814.839	1817.442
56.5	1751.827	1749.377	1765.919	1783.904	1785.537
57.0	1718.395	1716.640	1734.846	1752.484	1756.403
57.5	1684.479	1684.735	1702.941	1719.537	1724.427
58.0	1650.216	1651.998	1671.174	1688.602	1692.103
58.5	1615.605	1618.082	1638.437	1658.014	1661.305
59.0	1583.353	1586.662	1607.364	1626.384	1632.172
59.5	1549.090	1552.398	1575.944	1595.102	1603.871
60.0	1513.994	1518.482	1543.829	1565.137	1572.864
60.5	1480.563	1485.883	1511.230	1533.645	1541.372
61.0	1446.958	1454.947	1481.127	1500.974	1508.701
61.5	1413.422	1420.199	1449.497	1468.165	1476.862
62.0	1379.020	1388.432	1418.077	1436.673	1443.634
62.5	1345.346	1354.653	1386.657	1403.655	1410.406
63.0	1314.341	1323.164	1354.058	1371.331	1377.873
63.5	1279.730	1289.559	1321.943	1337.966	1344.855
64.0	1245.120	1255.191	1288.303	1304.600	1311.280
64.5	1210.440	1221.552	1255.009	1271.068	1277.719
65.0	1175.136	1187.947	1222.200	1237.689	1244.144
65.5	1140.491	1154.446	1189.822	1206.114	1210.042
66.0	1105.845	1120.640	1156.666	1173.233	1177.689
66.5	1071.131	1087.354	1123.607	1139.492	1143.767
67.0	1036.569	1053.943	1090.202	1105.931	1109.082
67.5	1002.333	1020.470	1056.699	1071.080	1075.493
68.0	967.570	987.177	1023.285	1037.255	1041.806
68.5	933.306	953.849	990.531	1003.847	1007.689
69.0	899.014	921.041	957.478	969.910	973.640
69.5	865.576	888.178	924.689	936.508	938.981
70.0	832.643	855.821	891.317	902.350	904.698
70.5	799.510	823.291	858.153	867.851	870.775
71.0	766.072	790.913	825.238	833.998	837.157
71.5	733.764	758.702	792.594	800.971	803.982
72.0	701.047	726.906	760.490	768.019	770.919
72.5	669.072	695.347	727.942	735.310	737.391
73.0	637.638	664.224	695.963	702.482	702.691
73.5	606.051	633.212	663.665	669.731	669.627
74.0	575.401	602.686	631.901	636.862	637.486
74.5	545.042	572.430	600.463	604.659	606.156
75.0	514.877	542.604	569.697	573.192	576.101
75.5	485.101	513.215	539.181	543.318	546.511
76.0	455.928	484.110	509.088	514.055	516.144
76.5	427.691	455.873	478.877	483.724	487.656
77.0	399.850	427.954	449.305	453.573	456.368
77.5	372.640	400.756	420.384	425.829	423.311
78.0	346.006	373.870	392.219	396.275	390.012
78.5	320.072	347.685	365.171	365.244	359.139
79.0	294.859	322.103	339.294	334.927	330.228
79.5	270.507	297.125	312.212	306.802	302.898
80.0	247.312	273.082	286.800	279.993	276.367
80.5	224.590	249.844	263.455	254.426	251.271
81.0	202.942	227.127	238.571	229.928	227.375
81.5	181.968	205.498	214.277	206.949	204.445
82.0	162.304	185.360	192.056	185.177	181.363
82.5	143.715	165.618	171.209	163.691	158.428

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CANDELA TABULATION - (Cont.)

83.0	126.153	146.632	151.540	141.957	136.896
83.5	109.867	128.777	132.739	121.660	117.925
84.0	94.525	112.100	115.014	104.048	102.464
84.5	80.389	96.784	97.955	89.828	89.632
85.0	67.398	82.764	81.841	77.635	77.696
85.5	55.600	69.307	68.017	66.634	66.661
86.0	45.078	57.549	56.794	56.203	56.175
86.5	35.818	46.956	47.000	46.605	47.166
87.0	27.633	37.619	38.095	38.282	38.379
87.5	20.808	29.289	30.342	29.933	29.801
88.0	15.162	22.283	23.011	22.172	21.791
88.5	10.758	16.263	15.889	14.433	14.003
89.0	7.380	10.757	9.703	8.712	8.615
89.5	4.793	6.492	5.237	5.424	5.556
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-L33-935-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-L33-935-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-L33-935-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1501.23	N.A.	14.30
0-30	3137.93	N.A.	29.80
0-40	5047.05	N.A.	47.90
0-60	8622.3	N.A.	81.90
0-80	10417.2	N.A.	99.00
0-90	10525.78	N.A.	100.00
10-90	10133.21	N.A.	96.30
20-40	3545.83	N.A.	33.70
20-50	5457.13	N.A.	51.80
40-70	4775.4	N.A.	45.40
60-80	1794.9	N.A.	17.10
70-80	594.75	N.A.	5.70
80-90	108.58	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	10525.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	392.57
10-20	1108.65
20-30	1636.7
30-40	1909.13
40-50	1911.3
50-60	1663.95
60-70	1200.15
70-80	594.75
80-90	108.58
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-L33-935-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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	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-L33-935-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

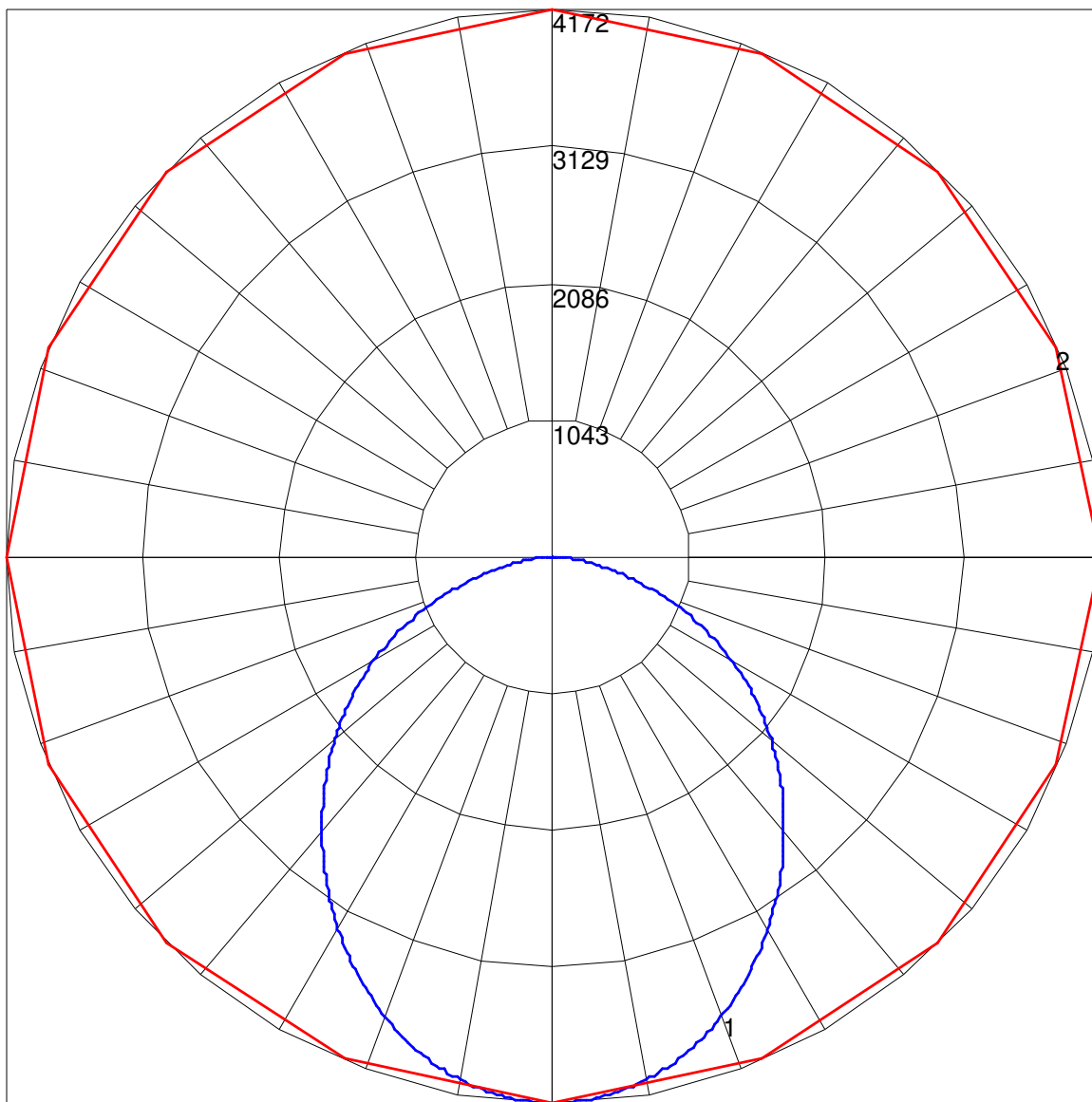
Reflectances

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	17.8	19.4	18.2	19.7	20.0	18.0	19.6	18.3	19.9	20.2
	3H	19.3	20.8	19.7	21.1	21.5	19.6	21.0	20.0	21.4	21.7
	4H	19.8	21.2	20.2	21.5	21.9	20.1	21.5	20.5	21.8	22.2
	6H	20.0	21.3	20.5	21.7	22.1	20.4	21.7	20.8	22.0	22.4
	8H	20.1	21.3	20.5	21.7	22.1	20.5	21.6	20.9	22.0	22.4
	12H	20.1	21.2	20.5	21.6	22.0	20.4	21.6	20.9	22.0	22.4
4H	2H	18.4	19.8	18.8	20.1	20.5	18.5	19.9	18.9	20.2	20.6
	3H	20.1	21.3	20.6	21.7	22.1	20.4	21.5	20.8	21.9	22.3
	4H	20.7	21.7	21.1	22.1	22.6	21.0	22.0	21.4	22.4	22.9
	6H	21.0	21.9	21.5	22.4	22.8	21.4	22.3	21.8	22.7	23.1
	8H	21.1	21.9	21.6	22.4	22.8	21.4	22.3	21.9	22.7	23.2
	12H	21.1	21.9	21.6	22.4	22.8	21.4	22.2	21.9	22.7	23.1
8H	4H	20.9	21.8	21.4	22.2	22.7	21.2	22.0	21.7	22.5	22.9
	6H	21.4	22.1	21.9	22.5	23.0	21.7	22.3	22.1	22.8	23.3
	8H	21.5	22.1	22.0	22.6	23.1	21.7	22.4	22.3	22.9	23.4
	12H	21.5	22.1	22.0	22.6	23.1	21.8	22.3	22.3	22.8	23.4
12H	4H	21.0	21.7	21.4	22.2	22.6	21.2	21.9	21.7	22.4	22.9
	6H	21.4	22.0	21.9	22.5	23.0	21.7	22.3	22.2	22.7	23.3
	8H	21.5	22.1	22.0	22.6	23.1	21.8	22.3	22.3	22.8	23.4

Maximum UGR = 23.4

POLAR GRAPH



Maximum Candela = 4172.432 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.)