

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L52-840-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-L52-840-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	13035
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	6974	7114	7302
55	6386	6722	7040
65	5509	6122	6451
75	3952	4734	4888
85	1538	1811	1651

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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	4986.232	4986.232	4986.232	4986.232	4986.232
0.5	4987.173	4983.240	4984.479	4982.213	4980.593
1.0	4995.634	4979.694	4989.907	4978.111	4992.858
1.5	4990.976	4976.147	4983.667	4975.931	4986.705
2.0	4988.797	4971.659	4977.514	4981.827	4988.113
2.5	4984.608	4967.856	4973.453	4975.032	4978.542
3.0	4980.933	4974.523	4976.188	4965.245	4975.078
3.5	4983.796	4972.770	4965.291	4966.057	4980.249
4.0	4972.472	4962.556	4965.759	4961.570	4975.890
4.5	4969.778	4963.240	4953.366	4953.705	4963.497
5.0	4966.401	4958.110	4955.417	4944.987	4964.520
5.5	4961.400	4950.759	4947.552	4951.310	4958.963
6.0	4954.178	4943.322	4938.577	4935.411	4952.852
6.5	4941.656	4932.039	4937.935	4933.530	4944.859
7.0	4941.014	4930.543	4925.455	4925.409	4928.790
7.5	4931.484	4920.756	4918.361	4913.442	4925.028
8.0	4923.619	4911.781	4914.727	4905.449	4913.787
8.5	4906.867	4900.668	4900.067	4889.551	4903.486
9.0	4903.788	4892.804	4891.134	4882.925	4897.672
9.5	4897.291	4883.701	4876.988	4876.726	4882.884
10.0	4881.778	4872.716	4868.568	4861.213	4873.992
10.5	4863.273	4861.989	4857.882	4849.416	4856.983
11.0	4842.291	4844.979	4843.993	4835.867	4853.390
11.5	4843.741	4836.303	4826.897	4824.626	4834.757
12.0	4832.885	4823.396	4817.408	4813.384	4818.216
12.5	4822.712	4806.557	4808.475	4797.229	4805.309
13.0	4798.866	4792.709	4789.584	4785.859	4795.476
13.5	4787.882	4778.861	4775.778	4765.472	4788.763
14.0	4773.222	4766.808	4763.298	4748.376	4770.171
14.5	4760.485	4748.601	4743.040	4738.245	4746.238
15.0	4740.484	4730.780	4726.499	4719.653	4731.491
15.5	4731.422	4708.898	4708.848	4701.616	4704.695
16.0	4706.934	4692.742	4694.358	4685.631	4703.493
16.5	4695.693	4676.587	4675.210	4669.773	4676.312
17.0	4675.990	4658.123	4658.926	4646.822	4664.556
17.5	4655.604	4639.105	4636.530	4627.973	4642.160
18.0	4628.937	4617.778	4618.622	4612.543	4618.824
18.5	4618.934	4606.408	4600.585	4590.147	4593.267
19.0	4593.377	4576.065	4574.216	4573.349	4575.955
19.5	4577.221	4559.396	4557.418	4552.192	4555.610
20.0	4548.117	4538.496	4533.100	4531.590	4529.411
20.5	4536.362	4515.118	4515.490	4510.433	4511.544
21.0	4495.764	4492.979	4488.863	4493.378	4492.865
21.5	4481.829	4472.763	4467.706	4465.940	4468.032
22.0	4463.536	4449.257	4443.260	4441.663	4450.720
22.5	4440.970	4423.998	4419.923	4420.378	4418.111
23.0	4410.242	4401.602	4401.928	4400.331	4407.209
23.5	4392.077	4377.839	4373.251	4374.687	4382.547
24.0	4367.887	4351.213	4351.153	4346.863	4357.586
24.5	4334.167	4326.637	4324.954	4324.765	4327.711
25.0	4311.900	4300.695	4300.250	4297.199	4305.614
25.5	4288.949	4275.436	4274.050	4276.212	4279.712
26.0	4262.451	4249.493	4247.039	4252.618	4257.785
26.5	4232.021	4222.739	4218.660	4223.299	4227.653

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CANDELA TABULATION - (Cont.)

27.0	4208.813	4195.727	4199.980	4197.526	4201.752
27.5	4178.511	4166.921	4167.499	4173.676	4184.738
28.0	4146.971	4137.987	4134.206	4148.586	4147.898
28.5	4122.010	4111.104	4113.219	4121.318	4122.424
29.0	4091.580	4084.092	4081.293	4095.972	4104.043
29.5	4064.014	4053.534	4055.392	4062.422	4068.997
30.0	4035.208	4023.232	4027.440	4041.306	4047.367
30.5	4003.411	3997.588	4001.667	4012.670	4022.833
31.0	3977.083	3964.166	3972.348	3984.461	3987.787
31.5	3942.294	3935.787	3939.610	3956.252	3965.860
32.0	3916.094	3905.913	3909.478	3928.983	3938.889
32.5	3879.126	3873.730	3879.346	3903.637	3910.552
33.0	3851.986	3842.488	3854.128	3871.881	3878.112
33.5	3819.505	3810.433	3817.587	3839.015	3847.852
34.0	3786.895	3778.379	3790.190	3818.326	3821.694
34.5	3754.029	3746.196	3759.503	3783.963	3794.168
35.0	3720.607	3713.330	3728.430	3758.617	3769.377
35.5	3689.237	3679.225	3697.615	3726.306	3734.886
36.0	3655.815	3648.409	3666.671	3696.601	3708.343
36.5	3621.581	3614.731	3635.044	3667.708	3674.664
37.0	3587.219	3582.548	3602.049	3636.209	3644.959
37.5	3552.430	3547.502	3570.421	3608.427	3623.458
38.0	3513.837	3514.507	3539.349	3574.748	3587.600
38.5	3484.389	3479.462	3506.354	3548.590	3560.075
39.0	3447.292	3448.091	3473.359	3515.595	3528.062
39.5	3411.691	3410.182	3440.107	3487.257	3496.732
40.0	3374.893	3377.871	3407.796	3456.314	3467.156
40.5	3339.163	3341.329	3373.305	3421.694	3437.322
41.0	3304.801	3307.522	3341.678	3392.246	3400.781
41.5	3265.139	3271.536	3308.555	3361.174	3367.529
42.0	3228.855	3235.678	3274.064	3326.000	3336.457
42.5	3193.809	3198.324	3238.761	3295.056	3304.017
43.0	3155.771	3164.645	3207.946	3264.796	3277.730
43.5	3119.913	3127.420	3171.275	3230.860	3247.470
44.0	3083.372	3091.433	3138.152	3196.241	3212.851
44.5	3046.018	3055.575	3105.029	3166.664	3183.017
45.0	3009.476	3018.905	3069.726	3132.857	3150.706
45.5	2971.439	2980.868	3035.107	3103.281	3115.660
46.0	2932.034	2944.881	2999.932	3069.474	3085.272
46.5	2895.621	2908.468	2966.125	3035.112	3052.148
47.0	2861.814	2870.302	2930.823	3001.988	3018.341
47.5	2821.854	2832.265	2895.648	2967.241	2985.773
48.0	2785.055	2796.407	2858.978	2933.562	2951.539
48.5	2747.017	2758.924	2823.804	2896.892	2917.177
49.0	2708.980	2721.570	2789.868	2866.632	2884.182
49.5	2667.524	2683.533	2754.010	2830.218	2853.110
50.0	2630.725	2646.734	2718.707	2795.599	2818.876
50.5	2591.321	2609.637	2682.166	2762.604	2785.326
51.0	2551.787	2569.976	2645.496	2725.379	2747.972
51.5	2511.570	2530.998	2608.826	2688.154	2714.422
52.0	2472.592	2492.276	2573.096	2655.586	2678.564
52.5	2433.743	2455.051	2536.426	2622.164	2645.143
53.0	2392.971	2415.389	2500.568	2582.204	2607.789
53.5	2354.121	2378.036	2464.710	2548.397	2574.794
54.0	2312.963	2339.998	2426.544	2509.676	2536.330
54.5	2270.439	2299.524	2387.823	2473.134	2500.600

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55.0	2235.264	2260.932	2352.777	2434.670	2464.187
55.5	2194.107	2221.270	2314.056	2398.940	2428.714
56.0	2153.761	2183.232	2278.326	2362.399	2391.489
56.5	2114.356	2145.066	2238.793	2324.618	2353.452
57.0	2074.139	2106.217	2201.568	2286.709	2316.740
57.5	2033.794	2068.179	2163.530	2246.621	2276.909
58.0	1992.765	2029.330	2124.937	2208.840	2236.393
58.5	1951.052	1988.984	2086.088	2171.743	2198.058
59.0	1912.331	1951.075	2048.862	2132.595	2161.346
59.5	1871.302	1910.046	2010.953	2094.131	2125.447
60.0	1829.461	1869.701	1971.677	2056.608	2085.872
60.5	1789.244	1830.296	1932.272	2016.905	2046.169
61.0	1748.685	1792.515	1895.304	1975.706	2004.970
61.5	1708.263	1751.358	1856.156	1935.062	1964.584
62.0	1666.960	1712.765	1818.247	1895.359	1921.462
62.5	1626.265	1671.864	1780.338	1853.477	1878.341
63.0	1588.348	1633.819	1740.933	1812.961	1836.587
63.5	1546.635	1593.260	1701.657	1770.395	1794.704
64.0	1504.922	1552.026	1660.201	1727.829	1750.899
64.5	1463.073	1511.399	1619.429	1685.100	1707.453
65.0	1420.821	1470.840	1578.785	1642.175	1663.648
65.5	1379.040	1430.486	1538.906	1602.391	1618.638
66.0	1337.259	1389.697	1497.579	1559.953	1577.405
66.5	1295.341	1349.518	1456.692	1515.986	1532.916
67.0	1253.641	1309.011	1415.121	1472.540	1487.338
67.5	1212.501	1268.546	1373.110	1426.799	1443.174
68.0	1170.570	1228.188	1330.945	1382.750	1398.570
68.5	1129.127	1187.762	1289.665	1339.107	1353.201
69.0	1087.794	1147.947	1247.714	1294.260	1307.555
69.5	1047.398	1107.940	1206.366	1250.382	1261.037
70.0	1007.668	1068.599	1164.034	1205.180	1215.506
70.5	967.708	1028.917	1121.699	1159.474	1170.188
71.0	927.312	989.452	1079.607	1114.707	1125.307
71.5	888.398	950.150	1037.469	1070.988	1080.720
72.0	848.844	911.254	996.065	1027.171	1036.104
72.5	810.255	872.657	953.952	983.417	991.069
73.0	772.402	834.591	912.463	939.515	944.717
73.5	734.330	796.494	870.594	895.514	900.101
74.0	697.276	758.940	829.281	851.363	856.558
74.5	660.713	721.754	788.112	808.277	813.702
75.0	624.202	684.918	747.773	765.976	771.954
75.5	588.208	648.612	707.678	725.164	730.625
76.0	552.906	612.618	668.168	684.809	688.262
76.5	518.621	577.505	628.509	643.342	647.698
77.0	485.033	542.772	589.610	601.983	604.676
77.5	452.026	508.881	551.417	563.214	560.239
78.0	419.823	475.191	514.133	522.781	515.324
78.5	388.337	442.219	477.974	481.011	472.708
79.0	357.694	409.940	443.132	439.904	431.558
79.5	328.166	378.352	407.319	400.797	392.367
80.0	300.010	347.782	373.309	363.045	354.333
80.5	272.453	318.136	341.386	326.746	318.218
81.0	246.186	289.100	308.167	291.972	283.722
81.5	220.748	261.300	275.696	259.199	250.962
82.0	196.900	235.196	245.490	228.225	218.812
82.5	174.342	209.789	216.832	198.391	188.358

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CANDELA TABULATION - (Cont.)

83.0	153.063	185.292	189.669	169.557	160.584
83.5	133.305	162.278	163.802	143.471	136.860
84.0	114.744	140.760	139.639	121.350	117.735
84.5	97.567	120.845	116.954	103.678	101.969
85.0	81.818	102.575	96.295	88.672	87.801
85.5	67.509	85.164	78.906	75.522	74.996
86.0	54.722	69.860	64.986	63.409	63.106
86.5	43.512	56.107	53.220	52.523	52.968
87.0	33.592	44.167	42.873	43.159	43.185
87.5	25.275	33.794	34.132	33.906	33.812
88.0	18.454	25.370	25.977	25.400	25.063
88.5	13.086	18.391	18.233	17.019	16.668
89.0	8.996	12.258	11.505	10.710	10.684
89.5	5.885	7.578	6.594	6.881	6.975
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-L52-840-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
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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-L52-840-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1803.17	N.A.	13.80
0-30	3784.62	N.A.	29.00
0-40	6120.91	N.A.	47.00
0-60	10591.78	N.A.	81.30
0-80	12901.46	N.A.	99.00
0-90	13035.3	N.A.	100.00
10-90	12564.96	N.A.	96.40
20-40	4317.74	N.A.	33.10
20-50	6689.6	N.A.	51.30
40-70	6010.09	N.A.	46.10
60-80	2309.68	N.A.	17.70
70-80	770.45	N.A.	5.90
80-90	133.84	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	13035.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	470.34
10-20	1332.83
20-30	1981.45
30-40	2336.29
40-50	2371.87
50-60	2099.00
60-70	1539.23
70-80	770.45
80-90	133.84
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-L52-840-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-L52-840-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

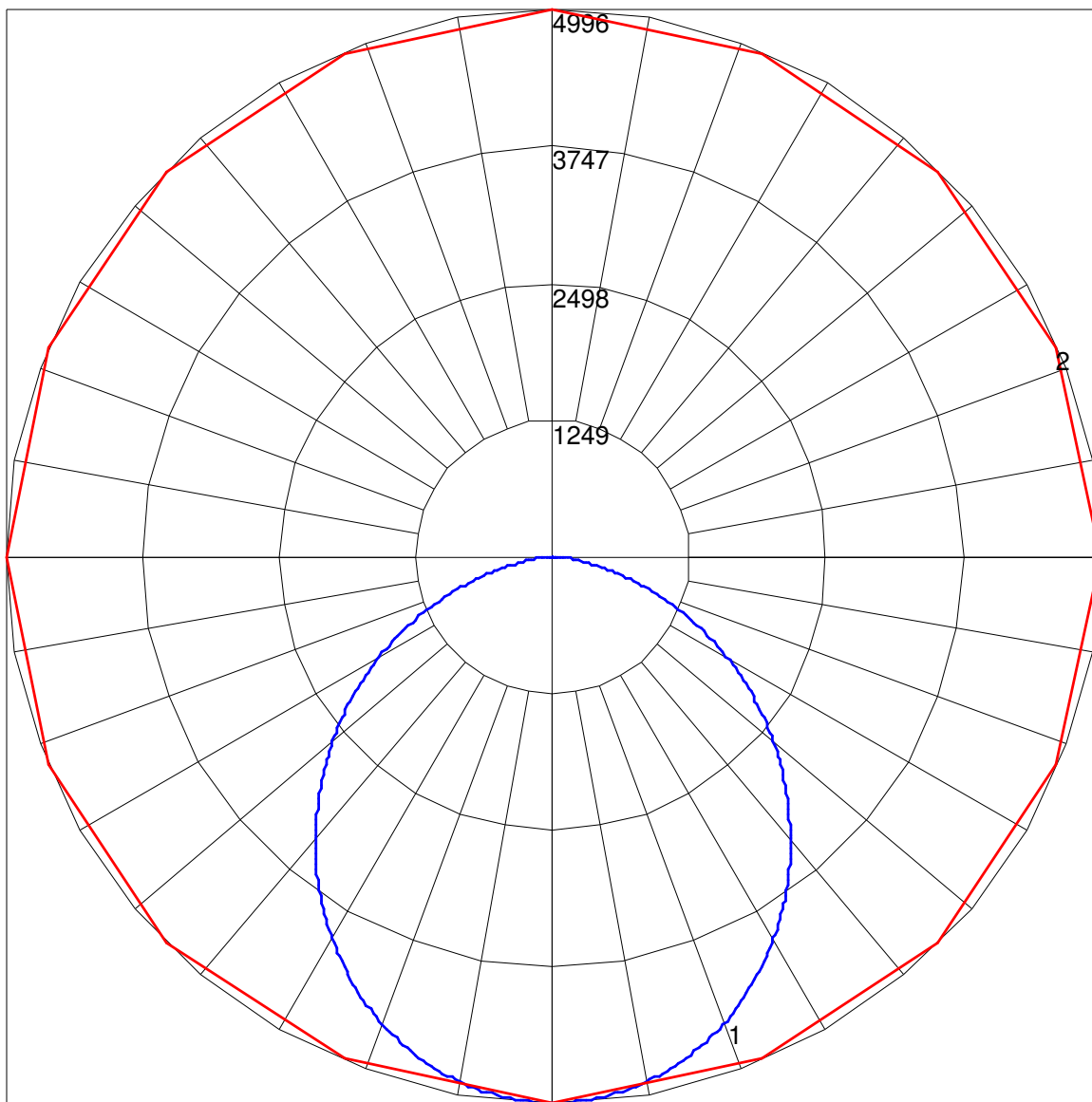
Reflectances

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	18.4	20.0	18.8	20.3	20.6	19.0	20.6	19.4	20.9	21.3
	3H	19.9	21.4	20.3	21.7	22.1	20.7	22.2	21.1	22.5	22.9
	4H	20.4	21.8	20.8	22.1	22.5	21.3	22.6	21.7	23.0	23.4
	6H	20.7	21.9	21.1	22.3	22.7	21.5	22.8	21.9	23.2	23.6
	8H	20.7	21.9	21.1	22.3	22.7	21.6	22.8	22.0	23.2	23.6
	12H	20.7	21.9	21.1	22.3	22.7	21.6	22.7	22.0	23.1	23.5
4H	2H	19.1	20.5	19.5	20.8	21.2	19.6	20.9	20.0	21.3	21.7
	3H	20.8	22.0	21.2	22.4	22.8	21.5	22.6	21.9	23.0	23.4
	4H	21.4	22.4	21.8	22.8	23.3	22.1	23.2	22.5	23.6	24.0
	6H	21.8	22.6	22.2	23.1	23.5	22.5	23.4	23.0	23.8	24.3
	8H	21.8	22.7	22.3	23.1	23.6	22.6	23.4	23.0	23.8	24.3
	12H	21.8	22.6	22.3	23.1	23.5	22.6	23.3	23.1	23.8	24.3
8H	4H	21.7	22.5	22.2	23.0	23.4	22.3	23.2	22.8	23.6	24.1
	6H	22.1	22.8	22.6	23.3	23.8	22.8	23.5	23.3	24.0	24.4
	8H	22.2	22.8	22.7	23.3	23.8	22.9	23.5	23.4	24.0	24.5
	12H	22.3	22.8	22.8	23.3	23.9	22.9	23.4	23.4	23.9	24.5
12H	4H	21.7	22.4	22.2	22.9	23.4	22.3	23.1	22.8	23.6	24.0
	6H	22.1	22.8	22.7	23.2	23.8	22.8	23.4	23.3	23.9	24.4
	8H	22.3	22.8	22.8	23.3	23.9	22.9	23.4	23.4	23.9	24.5

Maximum UGR = 24.5

POLAR GRAPH



Maximum Candela = 4995.634 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.)