

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L33-840-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-L33-840-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	13062
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	7195	7110	7084
55	6570	6598	6656
65	5654	5881	5987
75	4045	4476	4526
85	1573	1910	1813

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L33-840-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	5168.975	5168.975	5168.975	5168.975	5168.975
0.5	5170.609	5166.048	5166.308	5161.234	5167.504
1.0	5176.982	5163.292	5172.332	5158.649	5177.837
1.5	5174.568	5160.536	5165.275	5156.755	5173.959
2.0	5172.674	5156.146	5161.398	5159.429	5172.243
2.5	5166.910	5152.187	5156.235	5152.543	5166.212
3.0	5163.552	5158.471	5157.959	5142.730	5158.300
3.5	5165.877	5155.804	5148.488	5143.763	5163.121
4.0	5157.179	5146.764	5145.137	5139.373	5159.333
4.5	5152.878	5147.195	5134.203	5130.251	5148.399
5.0	5148.146	5139.796	5135.495	5122.674	5144.877
5.5	5141.349	5133.081	5126.373	5124.575	5138.251
6.0	5135.235	5123.187	5117.593	5108.307	5131.796
6.5	5123.699	5111.910	5114.585	5105.039	5122.072
7.0	5120.691	5110.447	5100.471	5094.713	5107.780
7.5	5112.081	5100.634	5094.959	5083.006	5101.243
8.0	5102.959	5091.854	5089.024	5073.283	5087.389
8.5	5088.237	5078.602	5073.016	5057.015	5075.170
9.0	5082.130	5069.480	5061.658	5048.153	5067.340
9.5	5073.870	5060.098	5048.056	5038.518	5050.730
10.0	5059.407	5047.447	5039.105	5024.055	5036.795
10.5	5042.018	5036.000	5025.080	5010.372	5020.868
11.0	5024.108	5020.074	5012.683	4994.022	5012.355
11.5	5019.814	5009.920	4993.577	4980.168	4994.364
12.0	5007.766	4996.578	4982.390	4966.314	4975.087
12.5	4996.148	4978.676	4971.032	4948.843	4961.746
13.0	4975.913	4963.701	4951.837	4934.387	4946.176
13.5	4963.263	4948.725	4934.284	4913.729	4934.135
14.0	4947.255	4933.839	4920.170	4894.624	4913.566
14.5	4931.937	4915.075	4900.114	4880.428	4890.152
15.0	4913.084	4898.116	4880.837	4859.859	4870.964
15.5	4901.125	4875.995	4861.902	4839.119	4845.225
16.0	4877.882	4858.523	4843.918	4819.671	4834.052
16.5	4864.028	4841.052	4823.520	4800.826	4806.508
17.0	4843.800	4821.084	4805.447	4776.468	4790.248
17.5	4823.142	4801.288	4780.919	4754.696	4765.719
18.0	4798.005	4778.996	4760.780	4735.077	4739.557
18.5	4784.411	4764.540	4740.040	4710.549	4714.078
19.0	4758.932	4736.045	4713.529	4690.069	4691.191
19.5	4741.461	4716.167	4693.049	4665.801	4667.955
20.0	4713.226	4693.102	4667.830	4641.361	4639.467
20.5	4696.965	4669.517	4646.317	4617.093	4616.751
21.0	4662.008	4646.192	4618.602	4595.410	4593.003
21.5	4643.853	4623.558	4594.334	4566.662	4565.377
22.0	4621.909	4599.371	4568.513	4538.865	4542.490
22.5	4599.357	4572.518	4542.350	4513.995	4508.921
23.0	4569.057	4547.990	4519.033	4489.385	4491.115
23.5	4547.715	4522.600	4490.025	4460.726	4461.513
24.0	4523.098	4494.885	4464.122	4430.173	4433.286
24.5	4489.871	4468.462	4435.635	4404.271	4401.440
25.0	4465.944	4441.178	4408.610	4374.922	4375.538
25.5	4441.587	4414.324	4380.123	4348.677	4345.676
26.0	4414.474	4387.040	4350.603	4321.311	4317.797
26.5	4382.799	4358.724	4320.221	4289.295	4284.748

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L33-840-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	4357.239	4329.203	4296.472	4260.035	4254.886
27.5	4326.166	4299.594	4263.505	4231.465	4230.625
28.0	4294.833	4269.383	4229.506	4202.636	4193.870
28.5	4266.606	4240.465	4203.262	4171.912	4163.235
29.0	4234.931	4210.944	4170.124	4141.879	4138.113
29.5	4205.582	4178.668	4140.262	4106.677	4101.446
30.0	4175.973	4147.596	4109.108	4079.830	4072.193
30.5	4143.437	4118.937	4079.847	4048.245	4043.193
31.0	4114.347	4084.336	4047.831	4015.887	4006.527
31.5	4078.885	4053.954	4013.661	3983.529	3978.648
32.0	4050.397	4022.109	3980.612	3952.806	3946.550
32.5	4013.040	3987.768	3947.564	3922.773	3913.591
33.0	3982.918	3955.061	3918.133	3887.659	3878.046
33.5	3949.951	3921.322	3880.003	3852.887	3844.396
34.0	3916.383	3887.582	3848.678	3825.268	3813.330
34.5	3881.611	3853.241	3815.800	3789.033	3781.403
35.0	3847.010	3818.469	3781.117	3759.000	3751.200
35.5	3813.701	3783.437	3747.638	3724.057	3714.363
36.0	3779.100	3749.958	3713.556	3690.236	3681.492
36.5	3743.467	3714.153	3679.044	3657.447	3645.687
37.0	3707.231	3679.812	3643.671	3623.537	3611.866
37.5	3671.769	3643.146	3609.159	3590.407	3583.215
38.0	3632.347	3607.772	3574.476	3554.602	3545.516
38.5	3599.729	3571.106	3539.102	3523.537	3513.589
39.0	3561.770	3537.798	3503.728	3488.163	3477.272
39.5	3525.275	3498.807	3467.151	3455.204	3441.386
40.0	3485.942	3463.864	3432.208	3421.122	3408.166
40.5	3448.845	3425.734	3395.371	3383.684	3373.743
41.0	3412.610	3389.328	3360.859	3351.066	3335.614
41.5	3370.952	3351.028	3324.884	3316.383	3299.037
42.0	3334.026	3313.329	3288.047	3279.115	3264.354
42.5	3297.359	3274.167	3250.177	3245.034	3228.809
43.0	3257.766	3238.362	3216.698	3211.383	3197.142
43.5	3220.068	3199.802	3177.967	3174.375	3163.492
44.0	3181.938	3161.501	3141.991	3136.937	3126.053
44.5	3142.776	3123.803	3106.016	3103.717	3091.630
45.0	3104.647	3085.072	3068.146	3067.311	3056.687
45.5	3065.054	3045.479	3030.708	3034.091	3020.021
46.0	3024.599	3007.178	2993.440	2997.685	2985.769
46.5	2987.071	2969.650	2957.033	2961.450	2949.793
47.0	2950.665	2929.456	2919.164	2925.474	2913.387
47.5	2910.381	2889.863	2881.896	2887.434	2877.241
48.0	2871.049	2852.164	2843.165	2851.630	2841.607
48.5	2831.456	2812.400	2805.897	2812.898	2805.372
49.0	2791.863	2773.238	2768.889	2779.248	2769.998
49.5	2750.116	2733.645	2731.190	2741.720	2735.315
50.0	2710.783	2694.312	2693.321	2704.281	2699.682
50.5	2670.328	2656.354	2655.191	2668.908	2664.479
51.0	2629.272	2614.696	2616.460	2630.347	2625.317
51.5	2587.785	2573.469	2577.729	2591.787	2590.114
52.0	2546.558	2533.445	2540.632	2555.641	2552.415
52.5	2505.932	2494.885	2501.900	2521.040	2517.814
53.0	2464.616	2453.227	2464.202	2480.756	2478.652
53.5	2423.991	2414.065	2426.503	2444.350	2443.279
54.0	2380.869	2374.472	2386.308	2404.326	2404.458
54.5	2336.886	2331.781	2346.285	2366.196	2367.361

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L33-840-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	2299.618	2292.359	2309.618	2327.376	2329.833
55.5	2256.497	2250.701	2269.595	2290.279	2293.940
56.0	2214.408	2211.108	2232.498	2252.150	2255.380
56.5	2173.954	2170.914	2191.441	2213.760	2215.787
57.0	2132.466	2130.288	2152.881	2174.769	2179.633
57.5	2090.378	2090.695	2113.288	2133.884	2139.951
58.0	2047.858	2050.070	2073.866	2095.494	2099.838
58.5	2004.907	2007.981	2033.241	2057.535	2061.620
59.0	1964.884	1968.990	1994.680	2018.284	2025.466
59.5	1922.364	1926.470	1955.689	1979.464	1990.345
60.0	1878.812	1884.381	1915.836	1942.278	1951.867
60.5	1837.325	1843.927	1875.382	1903.198	1912.787
61.0	1795.622	1805.537	1838.025	1862.654	1872.243
61.5	1754.006	1762.416	1798.774	1821.940	1832.732
62.0	1711.314	1722.994	1759.783	1782.859	1791.498
62.5	1669.525	1681.076	1720.791	1741.885	1750.263
63.0	1631.050	1641.999	1680.337	1701.772	1709.891
63.5	1588.099	1600.296	1640.484	1660.367	1668.916
64.0	1545.149	1557.647	1598.737	1618.962	1627.251
64.5	1502.112	1515.902	1557.421	1577.350	1585.604
65.0	1458.301	1474.199	1516.706	1535.927	1543.938
65.5	1415.308	1432.626	1476.526	1496.743	1501.618
66.0	1372.314	1390.674	1435.381	1455.940	1461.470
66.5	1329.235	1349.367	1394.356	1414.068	1419.374
67.0	1286.344	1307.905	1352.901	1372.421	1376.330
67.5	1243.859	1266.366	1311.325	1329.171	1334.647
68.0	1200.719	1225.051	1269.860	1287.196	1292.843
68.5	1158.198	1183.692	1229.213	1245.737	1250.505
69.0	1115.644	1142.979	1188.196	1203.624	1208.252
69.5	1074.148	1102.197	1147.506	1162.173	1165.242
70.0	1033.280	1062.043	1106.093	1119.784	1122.697
70.5	992.163	1021.674	1064.937	1076.972	1080.600
71.0	950.667	981.494	1024.091	1034.962	1038.881
71.5	910.574	941.521	983.580	993.976	997.713
72.0	869.973	902.064	943.741	953.084	956.682
72.5	830.294	862.900	903.350	912.493	915.075
73.0	791.285	824.278	863.665	871.755	872.014
73.5	752.088	785.794	823.585	831.112	830.983
74.0	714.052	747.911	784.166	790.323	791.097
74.5	676.378	710.365	745.152	750.360	752.217
75.0	638.944	673.352	706.973	711.310	714.921
75.5	601.993	636.881	669.104	674.239	678.201
76.0	565.790	600.764	631.760	637.924	640.516
76.5	530.749	565.721	594.269	600.284	605.164
77.0	496.200	531.075	557.571	562.868	566.336
77.5	462.433	497.324	521.681	528.438	525.314
78.0	429.381	463.960	486.729	491.763	483.990
78.5	397.197	431.465	453.163	453.255	445.679
79.0	365.909	399.718	421.052	415.633	409.801
79.5	335.689	368.721	387.443	380.730	375.886
80.0	306.906	338.885	355.909	347.461	342.961
80.5	278.708	310.048	326.939	315.734	311.818
81.0	251.844	281.856	296.059	285.332	282.164
81.5	225.815	255.015	265.910	256.816	253.708
82.0	201.413	230.025	238.335	229.798	225.064
82.5	178.345	205.526	212.464	203.134	196.604

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L33-840-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	156.552	181.965	188.056	176.163	169.883
83.5	136.341	159.807	164.725	150.975	146.341
84.0	117.302	139.113	142.728	129.120	127.154
84.5	99.760	120.105	121.559	111.474	111.230
85.0	83.638	102.707	101.562	96.342	96.418
85.5	68.997	86.007	84.407	82.691	82.724
86.0	55.940	71.416	70.479	69.746	69.711
86.5	44.449	58.271	58.326	57.835	58.532
87.0	34.292	46.684	47.275	47.507	47.627
87.5	25.822	36.346	37.653	37.145	36.982
88.0	18.816	27.653	28.556	27.515	27.042
88.5	13.350	20.182	19.718	17.911	17.378
89.0	9.158	13.349	12.041	10.811	10.691
89.5	5.948	8.056	6.499	6.732	6.895
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-L33-840-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-L33-840-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
PHOTOMETRIC FILENAME : CMR4AEG-L33-840-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-L33-840-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1862.97	N.A.	14.30
0-30	3894.05	N.A.	29.80
0-40	6263.21	N.A.	47.90
0-60	10699.97	N.A.	81.90
0-80	12927.37	N.A.	99.00
0-90	13062.12	N.A.	100.00
10-90	12574.95	N.A.	96.30
20-40	4400.24	N.A.	33.70
20-50	6772.1	N.A.	51.80
40-70	5926.1	N.A.	45.40
60-80	2227.41	N.A.	17.10
70-80	738.06	N.A.	5.70
80-90	134.74	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	13062.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	487.17
10-20	1375.8
20-30	2031.09
30-40	2369.16
40-50	2371.85
50-60	2064.9
60-70	1489.35
70-80	738.06
80-90	134.74
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-L33-840-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	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-L33-840-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

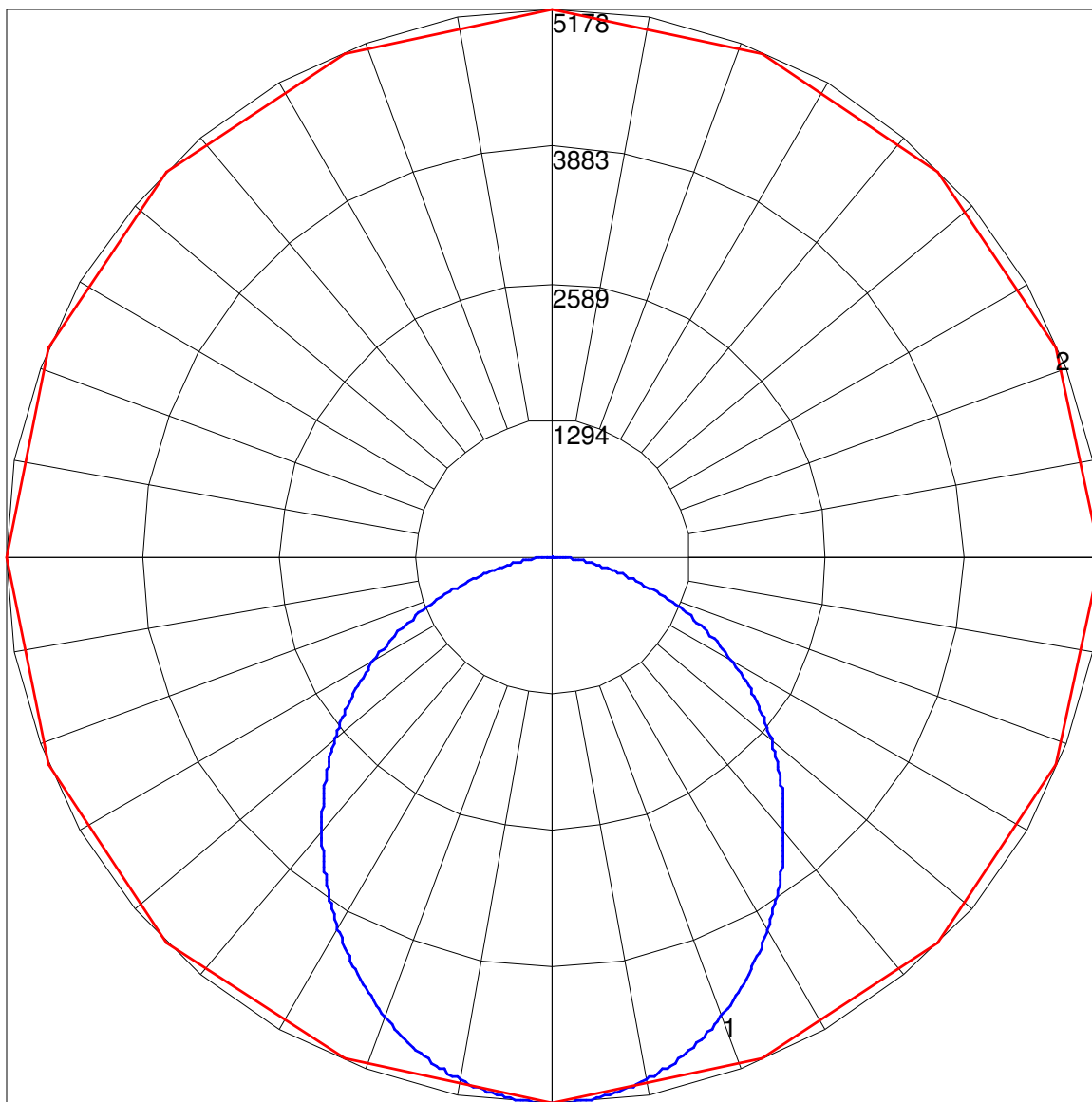
Reflectances

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	18.5	20.1	18.9	20.4	20.7	18.7	20.3	19.0	20.6	20.9
	3H	20.0	21.5	20.4	21.8	22.2	20.3	21.7	20.7	22.1	22.4
	4H	20.5	21.9	20.9	22.2	22.6	20.8	22.2	21.2	22.5	22.9
	6H	20.7	22.0	21.2	22.4	22.8	21.1	22.4	21.5	22.7	23.1
	8H	20.8	22.0	21.2	22.4	22.8	21.2	22.3	21.6	22.7	23.1
	12H	20.8	21.9	21.2	22.3	22.7	21.1	22.3	21.6	22.7	23.1
4H	2H	19.1	20.5	19.5	20.8	21.2	19.2	20.6	19.6	20.9	21.3
	3H	20.8	22.0	21.3	22.4	22.8	21.1	22.2	21.5	22.6	23.0
	4H	21.4	22.4	21.8	22.8	23.3	21.7	22.7	22.1	23.1	23.6
	6H	21.7	22.6	22.2	23.1	23.5	22.1	23.0	22.5	23.4	23.8
	8H	21.8	22.6	22.3	23.1	23.5	22.1	23.0	22.6	23.4	23.9
	12H	21.8	22.6	22.3	23.1	23.5	22.1	22.9	22.6	23.4	23.8
8H	4H	21.6	22.5	22.1	22.9	23.4	21.9	22.7	22.4	23.2	23.6
	6H	22.1	22.8	22.6	23.2	23.7	22.4	23.0	22.8	23.5	24.0
	8H	22.2	22.8	22.7	23.3	23.8	22.4	23.1	23.0	23.6	24.1
	12H	22.2	22.8	22.7	23.3	23.8	22.5	23.0	23.0	23.5	24.1
12H	4H	21.7	22.4	22.1	22.9	23.3	21.9	22.6	22.4	23.1	23.6
	6H	22.1	22.7	22.6	23.2	23.7	22.4	23.0	22.9	23.4	24.0
	8H	22.2	22.8	22.7	23.3	23.8	22.5	23.0	23.0	23.5	24.1

Maximum UGR = 24.1

POLAR GRAPH



Maximum Candela = 5177.837 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.)