

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L66-840-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-L66-840-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	16449
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	133.9
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	8808	8976	9205
55	8064	8477	8869
65	6956	7716	8123
75	4990	5965	6154
85	1942	2288	2089

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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	6297.996	6297.996	6297.996	6297.996	6297.996
0.5	6299.207	6294.223	6295.752	6292.792	6291.028
1.0	6309.809	6289.776	6302.622	6287.670	6306.435
1.5	6304.012	6285.329	6294.719	6284.930	6298.752
2.0	6301.272	6279.670	6287.036	6292.256	6300.419
2.5	6295.931	6274.865	6281.873	6283.678	6288.467
3.0	6291.305	6283.264	6285.288	6271.328	6283.939
3.5	6294.898	6281.020	6271.589	6272.361	6290.451
4.0	6280.703	6268.174	6272.044	6266.702	6284.971
4.5	6277.247	6269.028	6256.458	6256.735	6269.385
5.0	6272.938	6262.475	6259.019	6245.775	6270.515
5.5	6266.564	6253.222	6249.051	6253.596	6263.466
6.0	6257.491	6243.751	6237.734	6233.523	6255.743
6.5	6241.726	6229.514	6236.840	6231.100	6245.596
7.0	6240.832	6227.628	6221.035	6220.774	6225.384
7.5	6228.840	6215.278	6212.140	6205.685	6220.539
8.0	6218.872	6203.961	6207.473	6195.538	6206.262
8.5	6197.806	6189.863	6188.928	6175.464	6193.196
9.0	6193.814	6179.895	6177.570	6167.025	6185.790
9.5	6185.554	6168.399	6159.740	6159.082	6167.066
10.0	6166.017	6154.480	6149.098	6139.545	6155.667
10.5	6142.707	6140.919	6135.496	6124.593	6134.244
11.0	6116.341	6119.495	6118.024	6107.398	6129.536
11.5	6117.967	6108.495	6096.381	6093.121	6106.048
12.0	6104.227	6092.194	6084.348	6078.844	6085.080
12.5	6091.340	6070.909	6072.990	6058.413	6068.779
13.0	6061.380	6053.396	6049.144	6043.957	6056.169
13.5	6047.461	6035.884	6031.591	6018.225	6047.510
14.0	6028.916	6020.574	6015.786	5996.582	6023.981
14.5	6012.753	5997.582	5990.232	5983.655	5993.801
15.0	5987.557	5975.126	5969.264	5960.126	5975.037
15.5	5976.020	5947.507	5946.946	5937.272	5941.263
16.0	5945.166	5927.076	5928.539	5916.978	5939.394
16.5	5930.889	5906.645	5904.336	5896.864	5905.084
17.0	5906.010	5883.294	5883.725	5867.855	5890.092
17.5	5880.278	5859.269	5855.391	5843.968	5861.758
18.0	5846.684	5832.326	5832.716	5824.350	5832.212
18.5	5833.935	5817.870	5809.862	5796.016	5799.967
19.0	5801.691	5779.649	5776.585	5774.690	5777.926
19.5	5781.259	5758.503	5755.259	5747.885	5752.153
20.0	5744.567	5732.055	5724.543	5721.754	5719.014
20.5	5729.575	5702.550	5702.184	5694.949	5696.298
21.0	5678.549	5674.574	5668.549	5673.265	5672.550
21.5	5660.817	5648.980	5641.744	5638.598	5641.118
22.0	5637.605	5619.296	5610.849	5607.841	5619.077
22.5	5609.133	5587.368	5581.303	5580.856	5577.897
23.0	5570.376	5559.034	5558.408	5555.400	5563.897
23.5	5547.343	5528.993	5522.212	5522.936	5532.603
24.0	5516.805	5495.358	5494.195	5487.732	5500.993
24.5	5474.276	5464.284	5461.056	5459.715	5463.227
25.0	5446.121	5431.503	5429.804	5424.869	5435.211
25.5	5417.112	5399.575	5396.665	5398.201	5402.389
26.0	5383.656	5366.794	5362.493	5368.298	5374.510
26.5	5345.216	5332.980	5326.614	5331.208	5336.387

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CANDELA TABULATION - (Cont.)

27.0	5315.849	5298.808	5302.865	5298.565	5303.565
27.5	5277.588	5262.433	5261.864	5268.304	5281.841
28.0	5237.798	5225.880	5219.831	5236.515	5235.360
28.5	5206.188	5191.887	5193.164	5201.985	5203.034
29.0	5167.748	5157.715	5152.837	5169.838	5179.603
29.5	5132.901	5119.096	5120.015	5127.447	5135.325
30.0	5096.527	5080.835	5084.632	5100.601	5107.764
30.5	5056.379	5048.371	5051.989	5064.364	5076.649
31.0	5023.061	5006.159	5014.899	5028.623	5032.371
31.5	4979.142	4970.280	4973.540	4992.883	5004.493
32.0	4946.002	4932.514	4935.417	4958.353	4970.280
32.5	4899.343	4891.831	4897.294	4926.206	4934.361
33.0	4864.992	4852.358	4865.326	4886.018	4893.319
33.5	4823.991	4811.853	4819.162	4844.481	4855.017
34.0	4782.811	4771.348	4784.454	4818.130	4821.838
34.5	4741.274	4730.664	4745.657	4774.706	4786.951
35.0	4699.061	4689.126	4706.322	4742.559	4755.479
35.5	4659.410	4646.060	4667.346	4701.697	4711.876
36.0	4617.197	4607.084	4628.190	4664.070	4678.160
36.5	4573.953	4564.513	4588.181	4627.475	4635.589
37.0	4530.529	4523.829	4546.465	4587.645	4597.962
37.5	4486.609	4479.552	4506.455	4552.400	4570.580
38.0	4437.884	4437.835	4467.121	4509.830	4525.270
38.5	4400.615	4393.558	4425.405	4476.650	4490.383
39.0	4353.776	4353.907	4383.688	4434.934	4449.837
39.5	4308.824	4306.035	4341.614	4399.014	4410.145
40.0	4262.302	4265.173	4300.751	4359.859	4372.697
40.5	4217.171	4219.009	4257.148	4316.077	4334.891
41.0	4173.747	4176.260	4217.139	4278.808	4288.727
41.5	4123.632	4130.771	4175.244	4239.474	4246.653
42.0	4077.826	4085.461	4131.641	4195.017	4207.319
42.5	4033.549	4038.264	4087.006	4155.862	4166.277
43.0	3985.499	3995.694	4048.029	4117.560	4132.918
43.5	3940.189	3948.677	4001.687	4074.632	4094.617
44.0	3894.025	3903.188	3959.791	4030.851	4050.835
44.5	3846.829	3857.878	3917.896	3993.403	4013.029
45.0	3800.665	3811.535	3873.261	3950.654	3972.167
45.5	3752.615	3763.485	3829.479	3913.205	3927.889
46.0	3702.857	3717.996	3785.023	3870.456	3889.408
46.5	3656.873	3672.011	3742.274	3827.033	3847.513
47.0	3614.124	3623.783	3697.639	3785.137	3804.764
47.5	3563.691	3575.733	3653.182	3741.177	3763.543
48.0	3517.170	3530.422	3606.840	3698.607	3720.298
48.5	3469.120	3483.047	3562.383	3652.264	3676.875
49.0	3421.070	3435.851	3519.455	3613.962	3635.158
49.5	3368.751	3387.801	3474.145	3567.977	3595.824
50.0	3322.230	3341.280	3429.510	3524.196	3552.579
50.5	3272.473	3294.441	3383.346	3482.479	3510.188
51.0	3222.536	3244.326	3337.004	3435.462	3462.991
51.5	3171.747	3195.064	3290.661	3388.444	3420.600
52.0	3122.485	3146.161	3245.530	3347.224	3375.290
52.5	3073.403	3099.143	3199.187	3305.011	3333.077
53.0	3021.938	3049.028	3153.877	3254.579	3285.881
53.5	2972.855	3001.832	3108.567	3211.830	3244.165
54.0	2920.854	2953.782	3060.338	3162.927	3195.619
54.5	2867.145	2902.634	3011.434	3116.763	3150.487

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55.0	2822.689	2853.910	2967.157	3068.217	3104.503
55.5	2770.688	2803.794	2918.253	3023.086	3059.729
56.0	2719.719	2755.744	2873.122	2976.922	3012.712
56.5	2669.962	2707.516	2823.186	2929.230	2964.662
57.0	2619.172	2658.433	2776.168	2881.358	2918.360
57.5	2568.203	2610.383	2728.118	2830.747	2868.106
58.0	2516.380	2561.301	2679.394	2783.055	2816.999
58.5	2463.704	2510.332	2630.311	2736.217	2768.632
59.0	2414.801	2462.461	2583.294	2686.817	2722.330
59.5	2362.978	2410.638	2535.422	2638.271	2677.061
60.0	2310.123	2359.669	2485.844	2590.937	2627.165
60.5	2259.333	2309.912	2436.087	2540.862	2577.091
61.0	2208.117	2262.220	2389.427	2488.901	2525.130
61.5	2157.071	2210.219	2340.027	2437.616	2474.202
62.0	2104.907	2161.494	2292.156	2387.541	2419.859
62.5	2053.519	2109.850	2244.285	2334.727	2365.516
63.0	2005.656	2061.808	2194.528	2283.620	2312.881
63.5	1952.980	2010.592	2144.949	2229.952	2260.066
64.0	1900.304	1958.513	2092.631	2176.284	2204.870
64.5	1847.457	1907.211	2041.166	2122.409	2150.114
65.0	1794.090	1855.994	1989.880	2068.300	2094.917
65.5	1741.328	1805.034	1939.551	2018.123	2038.220
66.0	1688.567	1753.525	1887.412	1964.634	1986.232
66.5	1635.635	1702.789	1835.816	1909.231	1930.182
67.0	1582.976	1651.644	1783.367	1854.475	1872.761
67.5	1531.019	1600.548	1730.374	1796.848	1817.124
68.0	1478.069	1549.591	1677.196	1741.342	1760.943
68.5	1425.738	1498.549	1625.132	1686.352	1703.805
69.0	1373.543	1448.280	1572.232	1629.861	1646.330
69.5	1322.533	1397.772	1520.083	1574.583	1587.758
70.0	1272.362	1348.104	1466.703	1517.647	1530.414
70.5	1221.900	1298.009	1413.327	1460.078	1473.347
71.0	1170.890	1248.189	1360.260	1403.691	1416.828
71.5	1121.748	1198.574	1307.148	1348.623	1360.691
72.0	1071.802	1149.476	1254.961	1293.439	1304.522
72.5	1023.073	1100.756	1201.885	1238.344	1247.819
73.0	975.269	1052.704	1149.599	1183.061	1189.450
73.5	927.192	1004.621	1096.833	1127.660	1133.281
74.0	880.403	957.224	1044.772	1072.071	1078.468
74.5	834.229	910.291	992.903	1017.816	1024.535
75.0	788.127	863.806	942.080	964.557	972.016
75.5	742.676	817.990	891.568	913.193	920.031
76.0	698.101	772.569	841.792	862.417	866.743
76.5	654.815	728.267	791.827	810.231	815.745
77.0	612.400	684.444	742.823	758.185	761.610
77.5	570.726	641.686	694.713	709.420	705.661
78.0	530.062	599.188	647.752	658.536	649.115
78.5	490.310	557.602	602.220	605.947	595.496
79.0	451.622	516.891	558.353	554.202	543.761
79.5	414.340	477.056	513.242	505.006	494.496
80.0	378.791	438.510	470.418	457.530	446.687
80.5	343.996	401.131	430.242	411.891	401.294
81.0	310.832	364.524	388.410	368.170	357.940
81.5	278.714	329.480	347.521	326.968	316.756
82.0	248.604	296.582	309.501	288.025	276.314
82.5	220.123	264.556	273.439	250.494	237.959

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83.0	193.255	233.680	239.264	214.178	202.951
83.5	168.309	204.672	206.714	181.294	173.023
84.0	144.872	177.550	176.303	153.392	148.889
84.5	123.186	152.453	147.734	131.094	128.990
85.0	103.301	129.432	121.690	112.156	111.091
85.5	85.235	107.488	99.756	95.545	94.902
86.0	69.090	88.203	82.192	80.233	79.860
86.5	54.936	70.872	67.333	66.461	67.031
87.0	42.411	55.818	54.252	54.611	54.647
87.5	31.911	42.731	43.192	42.896	42.775
88.0	23.298	32.093	32.869	32.124	31.693
88.5	16.522	23.269	23.058	21.505	21.057
89.0	11.357	15.505	14.536	13.517	13.482
89.5	7.428	9.578	8.317	8.677	8.798
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-L66-840-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-L66-840-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-L66-840-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2277.33	N.A.	13.80
0-30	4779.24	N.A.	29.10
0-40	7728.28	N.A.	47.00
0-60	13368.32	N.A.	81.30
0-80	16279.71	N.A.	99.00
0-90	16448.62	N.A.	100.00
10-90	15854.56	N.A.	96.40
20-40	5450.95	N.A.	33.10
20-50	8443.72	N.A.	51.30
40-70	7580.44	N.A.	46.10
60-80	2911.39	N.A.	17.70
70-80	971.00	N.A.	5.90
80-90	168.91	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	16448.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	594.06
10-20	1683.26
20-30	2501.91
30-40	2949.04
40-50	2992.77
50-60	2647.27
60-70	1940.4
70-80	971.00
80-90	168.91
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-L66-840-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	64	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	28	39	32	27	38	32	27	37	31	27	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L66-840-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

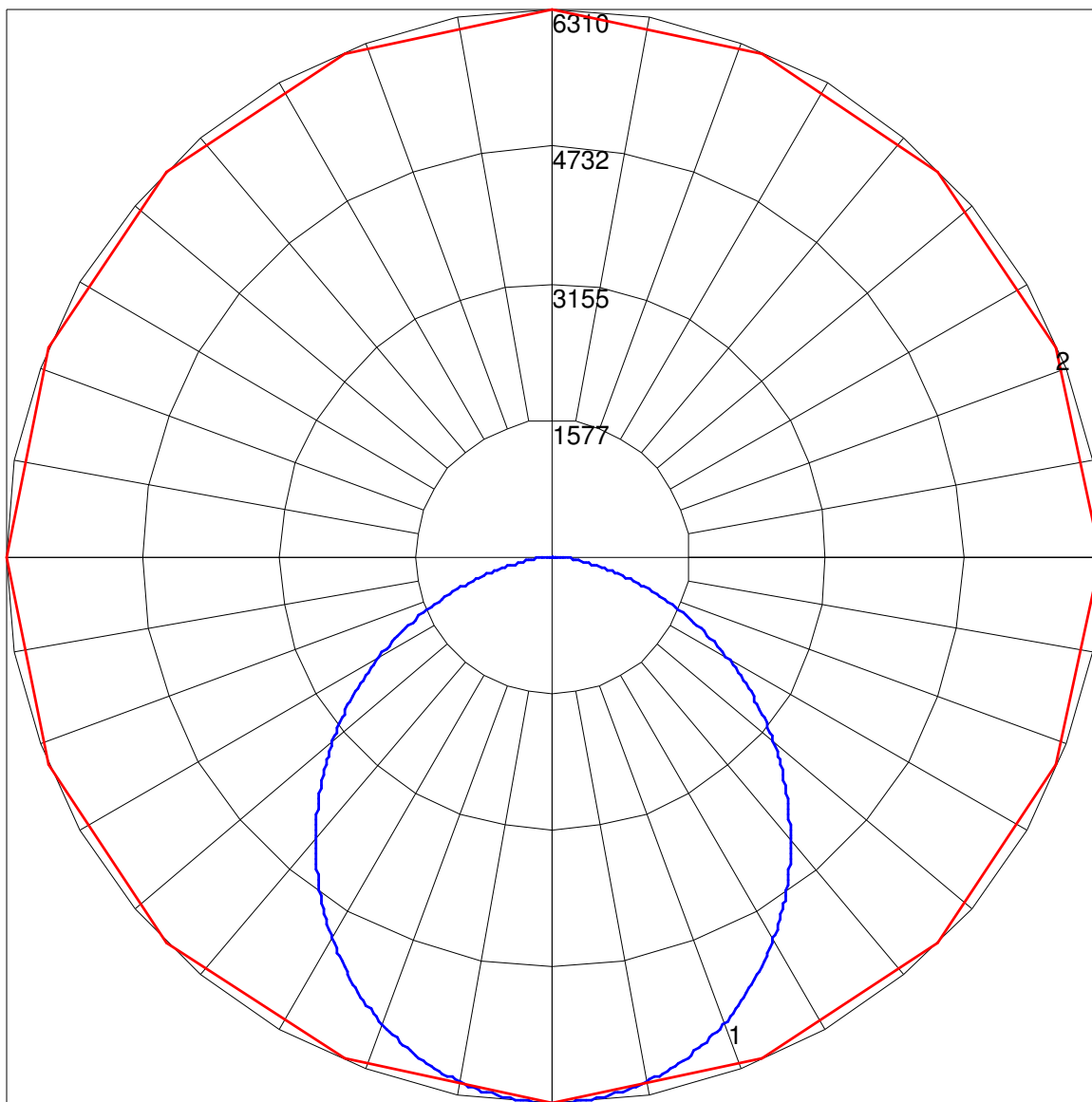
Reflectances

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	19.2	20.8	19.6	21.1	21.4	19.8	21.4	20.2	21.7	22.1
	3H	20.7	22.2	21.1	22.5	22.9	21.5	23.0	21.9	23.3	23.7
	4H	21.2	22.6	21.6	22.9	23.3	22.0	23.4	22.4	23.8	24.1
	6H	21.5	22.7	21.9	23.1	23.5	22.3	23.6	22.7	24.0	24.4
	8H	21.5	22.7	21.9	23.1	23.5	22.4	23.6	22.8	24.0	24.4
	12H	21.5	22.7	22.0	23.1	23.5	22.4	23.5	22.8	23.9	24.3
4H	2H	19.9	21.3	20.3	21.6	22.0	20.4	21.7	20.8	22.1	22.5
	3H	21.6	22.8	22.1	23.2	23.6	22.3	23.4	22.7	23.8	24.2
	4H	22.2	23.2	22.6	23.6	24.1	22.9	23.9	23.3	24.4	24.8
	6H	22.6	23.4	23.0	23.9	24.3	23.3	24.2	23.8	24.6	25.1
	8H	22.6	23.5	23.1	23.9	24.4	23.3	24.2	23.8	24.6	25.1
	12H	22.6	23.4	23.1	23.9	24.3	23.4	24.1	23.8	24.6	25.1
8H	4H	22.5	23.3	23.0	23.8	24.2	23.1	24.0	23.6	24.4	24.9
	6H	22.9	23.6	23.4	24.1	24.6	23.6	24.3	24.1	24.7	25.2
	8H	23.0	23.6	23.5	24.1	24.6	23.6	24.3	24.2	24.8	25.3
	12H	23.1	23.6	23.6	24.1	24.7	23.7	24.2	24.2	24.7	25.3
12H	4H	22.5	23.2	23.0	23.7	24.2	23.1	23.9	23.6	24.4	24.8
	6H	22.9	23.6	23.5	24.0	24.6	23.6	24.2	24.1	24.7	25.2
	8H	23.1	23.6	23.6	24.1	24.7	23.7	24.2	24.2	24.7	25.3

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 6309.809 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.)