

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L66-850-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-L66-850-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	16928
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
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	9064	9237	9473
55	8299	8724	9128
65	7159	7940	8360
75	5135	6138	6333
85	1999	2355	2150

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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	6481.433	6481.433	6481.433	6481.433	6481.433
0.5	6482.679	6477.550	6479.123	6476.078	6474.262
1.0	6493.590	6472.973	6486.193	6470.806	6490.118
1.5	6487.624	6468.397	6478.061	6467.987	6482.211
2.0	6484.804	6462.573	6470.154	6475.525	6483.926
2.5	6479.307	6457.628	6464.841	6466.698	6471.626
3.0	6474.546	6466.271	6468.355	6453.989	6466.966
3.5	6478.245	6463.962	6454.256	6455.051	6473.668
4.0	6463.636	6450.742	6454.725	6449.228	6468.028
4.5	6460.080	6451.621	6438.685	6438.970	6451.989
5.0	6455.645	6444.877	6441.321	6427.691	6453.152
5.5	6449.085	6435.355	6431.063	6435.740	6445.898
6.0	6439.748	6425.607	6419.416	6415.082	6437.949
6.5	6423.524	6410.957	6418.495	6412.588	6427.507
7.0	6422.604	6409.015	6402.230	6401.962	6406.706
7.5	6410.262	6396.306	6393.076	6386.433	6401.719
8.0	6400.004	6384.659	6388.273	6375.991	6387.027
8.5	6378.325	6370.150	6369.188	6355.332	6373.581
9.0	6374.217	6359.892	6357.499	6346.647	6365.958
9.5	6365.716	6348.061	6339.150	6338.473	6346.689
10.0	6345.610	6333.737	6328.198	6318.366	6334.958
10.5	6321.621	6319.780	6314.200	6302.979	6312.911
11.0	6294.487	6297.733	6296.219	6285.283	6308.067
11.5	6296.160	6286.412	6273.946	6270.590	6283.894
12.0	6282.020	6269.636	6261.562	6255.898	6262.315
12.5	6268.758	6247.731	6249.873	6234.871	6245.539
13.0	6237.925	6229.709	6225.333	6219.995	6232.562
13.5	6223.601	6211.686	6207.268	6193.513	6223.651
14.0	6204.515	6195.931	6191.003	6171.240	6199.437
14.5	6187.882	6172.269	6164.705	6157.936	6168.378
15.0	6161.952	6149.159	6143.126	6133.722	6149.067
15.5	6150.079	6120.736	6120.158	6110.202	6114.310
16.0	6118.326	6099.709	6101.215	6089.318	6112.386
16.5	6103.633	6078.683	6076.307	6068.617	6077.077
17.0	6078.030	6054.652	6055.096	6038.764	6061.648
17.5	6051.548	6029.928	6025.937	6014.181	6032.488
18.0	6016.975	6002.199	6002.601	5993.991	6002.082
18.5	6003.856	5987.322	5979.081	5964.832	5968.898
19.0	5970.672	5947.989	5944.835	5942.885	5946.215
19.5	5949.645	5926.226	5922.888	5915.299	5919.692
20.0	5911.885	5899.008	5891.277	5888.407	5885.587
20.5	5896.456	5868.644	5868.267	5860.821	5862.210
21.0	5843.944	5839.853	5833.653	5838.506	5837.770
21.5	5825.695	5813.513	5806.066	5802.829	5805.422
22.0	5801.807	5782.965	5774.271	5771.176	5782.739
22.5	5772.506	5750.107	5743.865	5743.406	5740.360
23.0	5732.620	5720.948	5720.304	5717.208	5725.952
23.5	5708.916	5690.031	5683.054	5683.798	5693.747
24.0	5677.489	5655.417	5654.221	5647.569	5661.216
24.5	5633.721	5623.438	5620.116	5618.736	5622.351
25.0	5604.746	5589.702	5587.953	5582.875	5593.518
25.5	5574.892	5556.844	5553.849	5555.431	5559.740
26.0	5540.461	5523.108	5518.682	5524.656	5531.049
26.5	5500.902	5488.309	5481.758	5486.486	5491.816

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CANDELA TABULATION - (Cont.)

27.0	5470.680	5453.142	5457.318	5452.892	5458.038
27.5	5431.304	5415.708	5415.123	5421.750	5435.681
28.0	5390.356	5378.090	5371.865	5389.034	5387.846
28.5	5357.824	5343.107	5344.421	5353.499	5354.579
29.0	5318.265	5307.940	5302.920	5320.416	5330.465
29.5	5282.403	5268.196	5269.142	5276.790	5284.898
30.0	5244.969	5228.821	5232.729	5249.162	5256.533
30.5	5203.652	5195.411	5199.135	5211.870	5224.513
31.0	5169.364	5151.969	5160.964	5175.088	5178.945
31.5	5124.165	5115.045	5118.401	5138.306	5150.255
32.0	5090.061	5076.180	5079.167	5102.771	5115.046
32.5	5042.042	5034.311	5039.934	5069.688	5078.080
33.0	5006.691	4993.689	5007.035	5028.329	5035.843
33.5	4964.496	4952.004	4959.526	4985.582	4996.426
34.0	4922.117	4910.319	4923.807	4958.464	4962.280
34.5	4879.369	4868.450	4883.880	4913.776	4926.377
35.0	4835.927	4825.703	4843.400	4880.692	4893.988
35.5	4795.121	4781.382	4803.288	4838.639	4849.115
36.0	4751.679	4741.270	4762.992	4799.916	4814.417
36.5	4707.174	4697.460	4721.817	4762.256	4770.607
37.0	4662.486	4655.591	4678.886	4721.266	4731.884
37.5	4617.287	4610.024	4637.711	4684.994	4703.703
38.0	4567.143	4567.093	4597.232	4641.184	4657.074
38.5	4528.788	4521.526	4554.300	4607.038	4621.170
39.0	4480.585	4480.719	4511.368	4564.107	4579.444
39.5	4434.324	4431.454	4468.069	4527.141	4538.596
40.0	4386.447	4389.401	4426.016	4486.845	4500.057
40.5	4340.001	4341.893	4381.143	4441.788	4461.150
41.0	4295.313	4297.898	4339.969	4403.434	4413.642
41.5	4243.738	4251.085	4296.853	4362.954	4370.342
42.0	4196.598	4204.455	4251.980	4317.202	4329.862
42.5	4151.031	4155.884	4206.045	4276.906	4287.625
43.0	4101.581	4112.074	4165.933	4237.489	4253.295
43.5	4054.951	4063.687	4118.241	4193.311	4213.877
44.0	4007.443	4016.873	4075.125	4148.254	4168.821
44.5	3958.872	3970.243	4032.010	4109.715	4129.914
45.0	3911.364	3922.551	3986.074	4065.721	4087.861
45.5	3861.914	3873.101	3941.018	4027.182	4042.294
46.0	3810.708	3826.287	3895.266	3983.188	4002.692
46.5	3763.383	3778.963	3851.272	3938.500	3959.577
47.0	3719.389	3729.330	3805.337	3895.384	3915.582
47.5	3667.488	3679.880	3759.586	3850.143	3873.161
48.0	3619.612	3633.250	3711.893	3806.333	3828.657
48.5	3570.162	3584.495	3666.142	3758.641	3783.968
49.0	3520.713	3535.924	3621.964	3719.223	3741.037
49.5	3466.870	3486.475	3575.334	3671.899	3700.557
50.0	3418.994	3438.598	3529.399	3626.842	3656.052
50.5	3367.787	3390.396	3481.890	3583.911	3612.426
51.0	3316.397	3338.821	3434.198	3535.524	3563.855
51.5	3264.128	3288.125	3386.505	3487.137	3520.229
52.0	3213.431	3237.797	3340.060	3444.716	3473.599
52.5	3162.919	3189.410	3292.367	3401.274	3430.157
53.0	3109.956	3137.835	3245.738	3349.373	3381.586
53.5	3059.443	3089.264	3199.108	3305.379	3338.655
54.0	3005.927	3039.814	3149.474	3255.051	3288.695
54.5	2950.654	2987.177	3099.146	3207.542	3242.249

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55.0	2904.903	2937.033	3053.579	3157.582	3194.925
55.5	2851.387	2885.458	3003.251	3111.137	3148.847
56.0	2798.934	2836.009	2956.805	3063.628	3100.460
56.5	2747.727	2786.375	2905.415	3014.547	3051.011
57.0	2695.458	2735.863	2857.028	2965.282	3003.360
57.5	2643.005	2686.414	2807.578	2913.196	2951.643
58.0	2589.673	2635.902	2757.434	2864.115	2899.048
58.5	2535.463	2583.448	2706.922	2815.912	2849.272
59.0	2485.135	2534.183	2658.535	2765.074	2801.621
59.5	2431.803	2480.851	2609.270	2715.114	2755.033
60.0	2377.408	2428.398	2558.247	2666.401	2703.685
60.5	2325.139	2377.191	2507.041	2614.868	2652.152
61.0	2272.431	2328.110	2459.022	2561.394	2598.678
61.5	2219.898	2274.594	2408.183	2508.614	2546.266
62.0	2166.215	2224.450	2358.918	2457.081	2490.340
62.5	2113.330	2171.302	2309.653	2402.728	2434.415
63.0	2064.073	2121.861	2258.446	2350.133	2380.246
63.5	2009.863	2069.153	2207.423	2294.902	2325.894
64.0	1955.653	2015.557	2153.581	2239.671	2269.089
64.5	1901.267	1962.761	2100.618	2184.227	2212.739
65.0	1846.345	1910.052	2047.838	2128.542	2155.934
65.5	1792.047	1857.607	1996.043	2076.903	2097.586
66.0	1737.749	1804.599	1942.385	2021.856	2044.083
66.5	1683.275	1752.385	1889.287	1964.839	1986.400
67.0	1629.083	1699.750	1835.310	1908.488	1927.308
67.5	1575.612	1647.166	1780.773	1849.183	1870.050
68.0	1521.120	1594.725	1726.046	1792.060	1812.233
68.5	1467.265	1542.197	1672.466	1735.469	1753.430
69.0	1413.549	1490.463	1618.025	1677.332	1694.281
69.5	1361.053	1438.484	1564.357	1620.445	1634.003
70.0	1309.421	1387.369	1509.422	1561.851	1574.989
70.5	1257.489	1335.815	1454.491	1502.605	1516.260
71.0	1204.993	1284.544	1399.879	1444.575	1458.095
71.5	1154.420	1233.484	1345.220	1387.904	1400.323
72.0	1103.019	1182.956	1291.514	1331.112	1342.518
72.5	1052.871	1132.816	1236.892	1274.412	1284.163
73.0	1003.675	1083.365	1183.083	1217.519	1224.094
73.5	954.197	1033.881	1128.780	1160.504	1166.290
74.0	906.045	985.105	1075.202	1103.296	1109.880
74.5	858.527	936.804	1021.822	1047.461	1054.376
75.0	811.082	888.965	969.520	992.651	1000.327
75.5	764.308	841.815	917.536	939.791	946.828
76.0	718.434	795.071	866.310	887.536	891.988
76.5	673.887	749.478	814.890	833.830	839.505
77.0	630.237	704.380	764.459	780.268	783.793
77.5	587.349	660.376	714.947	730.083	726.215
78.0	545.501	616.641	666.619	677.717	668.021
78.5	504.591	573.843	619.760	623.596	612.840
79.0	464.776	531.946	574.615	570.344	559.599
79.5	426.408	490.951	528.191	519.715	508.899
80.0	389.824	451.282	484.119	470.857	459.697
80.5	354.016	412.814	442.773	423.888	412.982
81.0	319.886	375.141	399.723	378.893	368.365
81.5	286.832	339.076	357.643	336.491	325.982
82.0	255.845	305.221	318.516	296.414	284.362
82.5	226.535	272.262	281.404	257.790	244.890

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CANDELA TABULATION - (Cont.)

83.0	198.884	240.486	246.233	220.416	208.862
83.5	173.211	210.633	212.735	186.574	178.063
84.0	149.092	182.721	181.438	157.859	153.226
84.5	126.774	156.894	152.037	134.913	132.747
85.0	106.310	133.202	125.234	115.423	114.326
85.5	87.717	110.619	102.662	98.328	97.666
86.0	71.103	90.772	84.586	82.570	82.186
86.5	56.536	72.936	69.294	68.397	68.983
87.0	43.646	57.443	55.832	56.202	56.239
87.5	32.841	43.976	44.450	44.146	44.021
88.0	23.977	33.027	33.826	33.060	32.617
88.5	17.003	23.947	23.730	22.132	21.670
89.0	11.688	15.957	14.960	13.911	13.874
89.5	7.644	9.857	8.560	8.929	9.054
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-L66-850-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-L66-850-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2343.66	N.A.	13.80
0-30	4918.44	N.A.	29.10
0-40	7953.37	N.A.	47.00
0-60	13757.69	N.A.	81.30
0-80	16753.88	N.A.	99.00
0-90	16927.71	N.A.	100.00
10-90	16316.35	N.A.	96.40
20-40	5609.72	N.A.	33.10
20-50	8689.66	N.A.	51.30
40-70	7801.23	N.A.	46.10
60-80	2996.19	N.A.	17.70
70-80	999.28	N.A.	5.90
80-90	173.83	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	16927.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	611.36
10-20	1732.29
20-30	2574.78
30-40	3034.94
40-50	3079.94
50-60	2724.37
60-70	1996.91
70-80	999.28
80-90	173.83
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-L66-850-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-L66-850-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

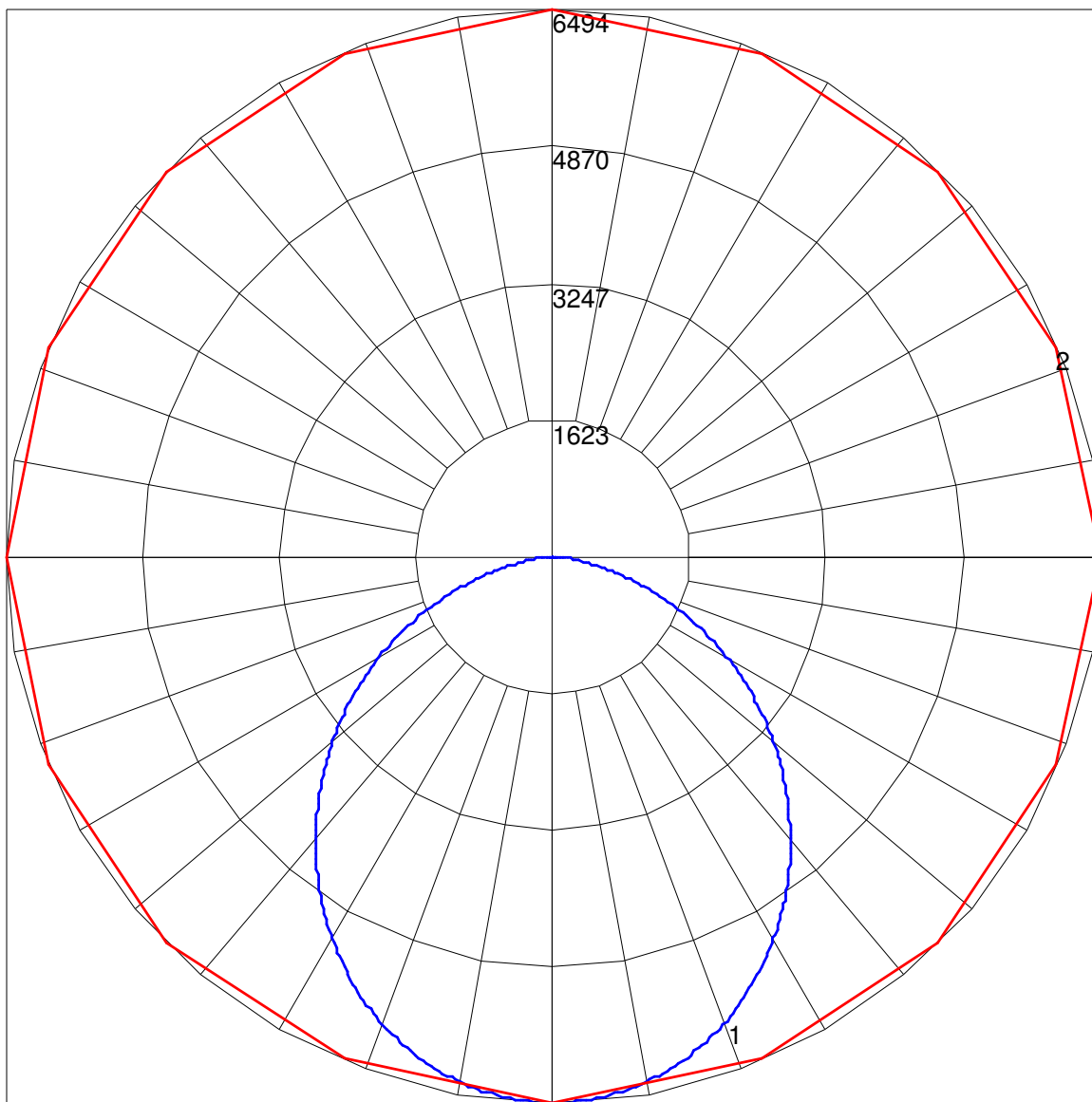
Reflectances

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	19.3	20.9	19.7	21.2	21.5	19.9	21.5	20.3	21.8	22.2
	3H	20.8	22.3	21.2	22.6	23.0	21.6	23.1	22.0	23.4	23.8
	4H	21.3	22.7	21.7	23.0	23.4	22.1	23.5	22.5	23.9	24.2
	6H	21.6	22.8	22.0	23.2	23.6	22.4	23.7	22.8	24.1	24.5
	8H	21.6	22.8	22.0	23.2	23.6	22.5	23.7	22.9	24.1	24.5
	12H	21.6	22.8	22.1	23.2	23.6	22.5	23.6	22.9	24.0	24.4
4H	2H	20.0	21.4	20.4	21.7	22.1	20.5	21.8	20.9	22.2	22.6
	3H	21.7	22.9	22.2	23.3	23.7	22.4	23.5	22.8	23.9	24.3
	4H	22.3	23.3	22.7	23.7	24.2	23.0	24.0	23.4	24.5	24.9
	6H	22.7	23.5	23.1	24.0	24.4	23.4	24.3	23.9	24.7	25.2
	8H	22.7	23.6	23.2	24.0	24.5	23.4	24.3	23.9	24.7	25.2
	12H	22.7	23.5	23.2	24.0	24.4	23.5	24.2	23.9	24.7	25.2
8H	4H	22.6	23.4	23.1	23.9	24.3	23.2	24.1	23.7	24.5	25.0
	6H	23.0	23.7	23.5	24.2	24.7	23.7	24.4	24.2	24.8	25.3
	8H	23.1	23.7	23.6	24.2	24.7	23.7	24.4	24.3	24.9	25.4
	12H	23.2	23.7	23.7	24.2	24.8	23.8	24.3	24.3	24.8	25.4
12H	4H	22.6	23.3	23.1	23.8	24.3	23.2	24.0	23.7	24.5	24.9
	6H	23.0	23.7	23.6	24.1	24.7	23.7	24.3	24.2	24.8	25.3
	8H	23.2	23.7	23.7	24.2	24.8	23.8	24.3	24.3	24.8	25.4

Maximum UGR = 25.4

POLAR GRAPH



Maximum Candela = 6493.59 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.)