

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L66-835-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-L66-835-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	15970
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
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	8551	8715	8937
55	7829	8230	8611
65	6754	7491	7886
75	4845	5791	5975
85	1886	2221	2028

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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	6114.559	6114.559	6114.559	6114.559	6114.559
0.5	6115.735	6110.896	6112.380	6109.507	6107.794
1.0	6126.028	6106.579	6119.050	6104.534	6122.752
1.5	6120.400	6102.261	6111.378	6101.874	6115.293
2.0	6117.740	6096.767	6103.919	6108.986	6116.911
2.5	6112.554	6092.102	6098.906	6100.659	6105.308
3.0	6108.063	6100.256	6102.221	6088.668	6100.911
3.5	6111.552	6098.077	6088.921	6089.671	6107.234
4.0	6097.770	6085.606	6089.363	6084.177	6101.914
4.5	6094.415	6086.435	6074.231	6074.500	6086.782
5.0	6090.231	6080.072	6076.718	6063.859	6087.879
5.5	6084.043	6071.090	6067.040	6071.453	6081.035
6.0	6075.234	6061.894	6056.053	6051.964	6073.537
6.5	6059.928	6048.072	6055.184	6049.612	6063.686
7.0	6059.060	6046.241	6039.839	6039.587	6044.062
7.5	6047.417	6034.251	6031.204	6024.936	6039.358
8.0	6037.740	6023.263	6026.673	6015.085	6025.497
8.5	6017.288	6009.576	6008.668	5995.596	6012.812
9.0	6013.412	5999.898	5997.641	5987.403	6005.621
9.5	6005.392	5988.737	5980.330	5979.691	5987.442
10.0	5986.424	5975.223	5969.998	5960.723	5976.376
10.5	5963.794	5962.057	5956.792	5946.207	5955.577
11.0	5938.195	5941.258	5939.829	5929.512	5951.006
11.5	5939.774	5930.578	5918.817	5915.651	5928.202
12.0	5926.434	5914.751	5907.134	5901.790	5907.845
12.5	5913.923	5894.086	5896.107	5881.954	5892.018
13.0	5884.835	5877.084	5872.955	5867.919	5879.775
13.5	5871.321	5860.081	5855.913	5842.937	5871.369
14.0	5853.316	5845.218	5840.569	5821.924	5848.525
14.5	5837.624	5822.895	5815.759	5809.374	5819.225
15.0	5813.162	5801.093	5795.402	5786.530	5801.007
15.5	5801.961	5774.279	5773.734	5764.341	5768.217
16.0	5772.006	5754.443	5755.864	5744.639	5766.402
16.5	5758.145	5734.606	5732.365	5725.111	5733.091
17.0	5733.991	5711.936	5712.355	5696.947	5718.535
17.5	5709.008	5688.611	5684.846	5673.756	5691.027
18.0	5676.392	5662.452	5662.831	5654.709	5662.342
18.5	5664.015	5648.417	5640.642	5627.200	5631.036
19.0	5632.709	5611.310	5608.334	5606.495	5609.637
19.5	5612.873	5590.779	5587.630	5580.471	5584.615
20.0	5577.250	5565.102	5557.808	5555.101	5552.441
20.5	5562.694	5536.456	5536.101	5529.076	5530.387
21.0	5513.155	5509.295	5503.446	5508.024	5507.330
21.5	5495.939	5484.446	5477.421	5474.367	5476.814
22.0	5473.403	5455.627	5447.426	5444.506	5455.414
22.5	5445.760	5424.629	5418.741	5418.307	5415.434
23.0	5408.132	5397.121	5396.513	5393.593	5401.841
23.5	5385.770	5367.954	5361.371	5362.074	5371.459
24.0	5356.122	5335.299	5334.170	5327.895	5340.770
24.5	5314.831	5305.130	5301.997	5300.694	5304.104
25.0	5287.496	5273.303	5271.654	5266.863	5276.903
25.5	5259.332	5242.306	5239.480	5240.972	5245.037
26.0	5226.850	5210.479	5206.304	5211.940	5217.971
26.5	5189.530	5177.650	5171.470	5175.930	5180.958

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CANDELA TABULATION - (Cont.)

27.0	5161.019	5144.474	5148.413	5144.238	5149.092
27.5	5123.872	5109.159	5108.606	5114.858	5128.001
28.0	5085.241	5073.669	5067.797	5083.995	5082.874
28.5	5054.551	5040.667	5041.906	5050.471	5051.489
29.0	5017.231	5007.491	5002.755	5019.260	5028.740
29.5	4983.400	4969.997	4970.889	4978.104	4985.753
30.0	4948.084	4932.850	4936.536	4952.039	4958.994
30.5	4909.106	4901.331	4904.844	4916.858	4928.785
31.0	4876.759	4860.348	4868.834	4882.159	4885.797
31.5	4834.118	4825.514	4828.680	4847.459	4858.731
32.0	4801.944	4788.849	4791.667	4813.935	4825.515
32.5	4756.643	4749.350	4754.655	4782.724	4790.642
33.0	4723.294	4711.027	4723.618	4743.707	4750.795
33.5	4683.487	4671.702	4678.798	4703.379	4713.609
34.0	4643.506	4632.377	4645.101	4677.796	4681.396
34.5	4603.178	4592.878	4607.434	4635.637	4647.525
35.0	4562.195	4552.550	4569.245	4604.427	4616.969
35.5	4523.699	4510.738	4531.404	4564.754	4574.637
36.0	4482.716	4472.897	4493.389	4528.223	4541.902
36.5	4440.731	4431.566	4454.545	4492.694	4500.572
37.0	4398.572	4392.067	4414.043	4454.024	4464.041
37.5	4355.931	4349.080	4375.199	4419.806	4437.456
38.0	4308.625	4308.578	4337.011	4378.476	4393.466
38.5	4272.442	4265.590	4296.509	4346.262	4359.595
39.0	4226.967	4227.094	4256.008	4305.761	4320.230
39.5	4183.324	4180.617	4215.159	4270.888	4281.694
40.0	4138.158	4140.944	4175.487	4232.873	4245.337
40.5	4094.341	4096.125	4133.154	4190.366	4208.632
41.0	4052.182	4054.621	4094.310	4154.183	4163.813
41.5	4003.526	4010.457	4053.635	4115.994	4122.964
42.0	3959.055	3966.467	4011.302	4072.832	4084.775
42.5	3916.067	3920.645	3967.967	4034.817	4044.929
43.0	3869.416	3879.315	3930.126	3997.631	4012.542
43.5	3825.426	3833.667	3885.133	3955.954	3975.356
44.0	3780.607	3789.503	3844.458	3913.447	3932.850
44.5	3734.785	3745.512	3803.783	3877.090	3896.145
45.0	3689.966	3700.520	3760.447	3835.586	3856.472
45.5	3643.315	3653.869	3717.941	3799.229	3813.484
46.0	3595.007	3609.705	3674.780	3757.725	3776.125
46.5	3550.362	3565.060	3633.276	3715.566	3735.450
47.0	3508.858	3518.235	3589.940	3674.891	3693.946
47.5	3459.895	3471.585	3546.779	3632.211	3653.926
48.0	3414.728	3427.595	3501.786	3590.880	3611.940
48.5	3368.078	3381.599	3458.624	3545.887	3569.781
49.0	3321.427	3335.778	3416.947	3508.701	3529.280
49.5	3270.633	3289.127	3372.957	3464.056	3491.091
50.0	3225.466	3243.961	3329.621	3421.549	3449.106
50.5	3177.158	3198.486	3284.802	3381.048	3407.949
51.0	3128.676	3149.831	3239.809	3335.400	3362.127
51.5	3079.366	3102.004	3194.816	3289.752	3320.971
52.0	3031.539	3054.525	3151.000	3249.732	3276.980
52.5	2983.886	3008.877	3106.007	3208.749	3235.997
53.0	2933.920	2960.222	3062.017	3159.786	3190.176
53.5	2886.267	2914.400	3018.026	3118.282	3149.674
54.0	2835.781	2867.749	2971.202	3070.802	3102.542
54.5	2783.636	2818.092	2923.723	3025.983	3058.726

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55.0	2740.475	2770.786	2880.735	2978.851	3014.080
55.5	2689.988	2722.131	2833.256	2935.035	2970.611
56.0	2640.504	2675.480	2789.439	2890.215	2924.963
56.5	2592.196	2628.656	2740.957	2843.912	2878.312
57.0	2542.885	2581.003	2695.309	2797.435	2833.359
57.5	2493.401	2534.353	2648.659	2748.299	2784.569
58.0	2443.088	2486.700	2601.353	2701.995	2734.951
58.5	2391.946	2437.215	2553.700	2656.521	2687.992
59.0	2344.467	2390.739	2508.052	2608.560	2643.039
59.5	2294.154	2340.425	2461.575	2561.428	2599.088
60.0	2242.838	2290.941	2413.441	2515.472	2550.646
60.5	2193.528	2242.633	2365.133	2466.856	2502.030
61.0	2143.803	2196.330	2319.832	2416.409	2451.583
61.5	2094.243	2145.843	2271.871	2366.617	2402.138
62.0	2043.599	2098.538	2225.394	2318.001	2349.378
62.5	1993.708	2048.398	2178.918	2266.725	2296.618
63.0	1947.239	2001.756	2130.609	2217.107	2245.515
63.5	1896.097	1952.031	2082.475	2165.002	2194.239
64.0	1844.955	1901.469	2031.680	2112.897	2140.650
64.5	1793.648	1851.661	1981.715	2060.591	2087.489
65.0	1741.835	1801.936	1931.923	2008.059	2033.900
65.5	1690.610	1752.460	1883.060	1959.342	1978.854
66.0	1639.385	1702.451	1832.439	1907.411	1928.380
66.5	1587.995	1653.193	1782.346	1853.622	1873.963
67.0	1536.870	1603.537	1731.424	1800.461	1818.215
67.5	1486.426	1553.930	1679.974	1744.513	1764.198
68.0	1435.018	1504.458	1628.345	1690.623	1709.653
68.5	1384.212	1454.902	1577.798	1637.235	1654.180
69.0	1333.537	1406.097	1526.439	1582.389	1598.378
69.5	1284.012	1357.060	1475.809	1528.721	1541.513
70.0	1235.303	1308.839	1423.983	1473.444	1485.838
70.5	1186.311	1260.203	1372.162	1417.552	1430.434
71.0	1136.786	1211.834	1320.641	1362.806	1375.562
71.5	1089.076	1163.664	1269.076	1309.343	1321.059
72.0	1040.584	1115.996	1218.409	1255.766	1266.527
72.5	993.275	1068.695	1166.879	1202.276	1211.475
73.0	946.863	1022.043	1116.116	1148.603	1154.806
73.5	900.186	975.360	1064.886	1094.816	1100.273
74.0	854.760	929.344	1014.341	1040.845	1047.057
74.5	809.931	883.777	963.983	988.171	994.695
75.0	765.172	838.646	914.641	936.463	943.705
75.5	721.045	794.165	865.600	886.596	893.234
76.0	677.768	750.067	817.273	837.298	841.499
76.5	635.743	707.055	768.764	786.632	791.986
77.0	594.563	664.509	721.188	736.102	739.427
77.5	554.103	622.996	674.479	688.757	685.108
78.0	514.623	581.736	628.886	639.356	630.209
78.5	476.029	541.361	584.679	588.298	578.151
79.0	438.468	501.836	542.090	538.060	527.923
79.5	402.272	463.161	498.294	490.298	480.094
80.0	367.758	425.737	456.716	444.204	433.677
80.5	333.977	389.447	417.711	399.894	389.606
81.0	301.779	353.907	377.097	357.446	347.515
81.5	270.596	319.883	337.399	317.444	307.530
82.0	241.363	287.944	300.487	279.636	268.266
82.5	213.712	256.851	265.475	243.198	231.028

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CANDELA TABULATION - (Cont.)

83.0	187.626	226.874	232.295	207.940	197.039
83.5	163.407	198.711	200.693	176.014	167.984
84.0	140.652	172.379	171.168	148.924	144.553
84.5	119.598	148.013	143.431	127.276	125.233
85.0	100.292	125.662	118.146	108.890	107.855
85.5	82.752	104.357	96.851	92.763	92.138
86.0	67.078	85.634	79.798	77.896	77.534
86.5	53.335	68.807	65.371	64.525	65.079
87.0	41.176	54.192	52.672	53.020	53.055
87.5	30.982	41.487	41.934	41.647	41.529
88.0	22.620	31.158	31.912	31.189	30.770
88.5	16.040	22.591	22.387	20.879	20.443
89.0	11.026	15.054	14.113	13.124	13.089
89.5	7.211	9.299	8.075	8.424	8.542
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-L66-835-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-L66-835-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-L66-835-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2211.00	N.A.	13.80
0-30	4640.03	N.A.	29.10
0-40	7503.18	N.A.	47.00
0-60	12978.95	N.A.	81.30
0-80	15805.55	N.A.	99.00
0-90	15969.54	N.A.	100.00
10-90	15392.78	N.A.	96.40
20-40	5292.19	N.A.	33.10
20-50	8197.79	N.A.	51.30
40-70	7359.65	N.A.	46.10
60-80	2826.59	N.A.	17.70
70-80	942.71	N.A.	5.90
80-90	163.99	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	15969.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	576.76
10-20	1634.24
20-30	2429.04
30-40	2863.15
40-50	2905.6
50-60	2570.16
60-70	1883.88
70-80	942.71
80-90	163.99
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-L66-835-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-L66-835-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

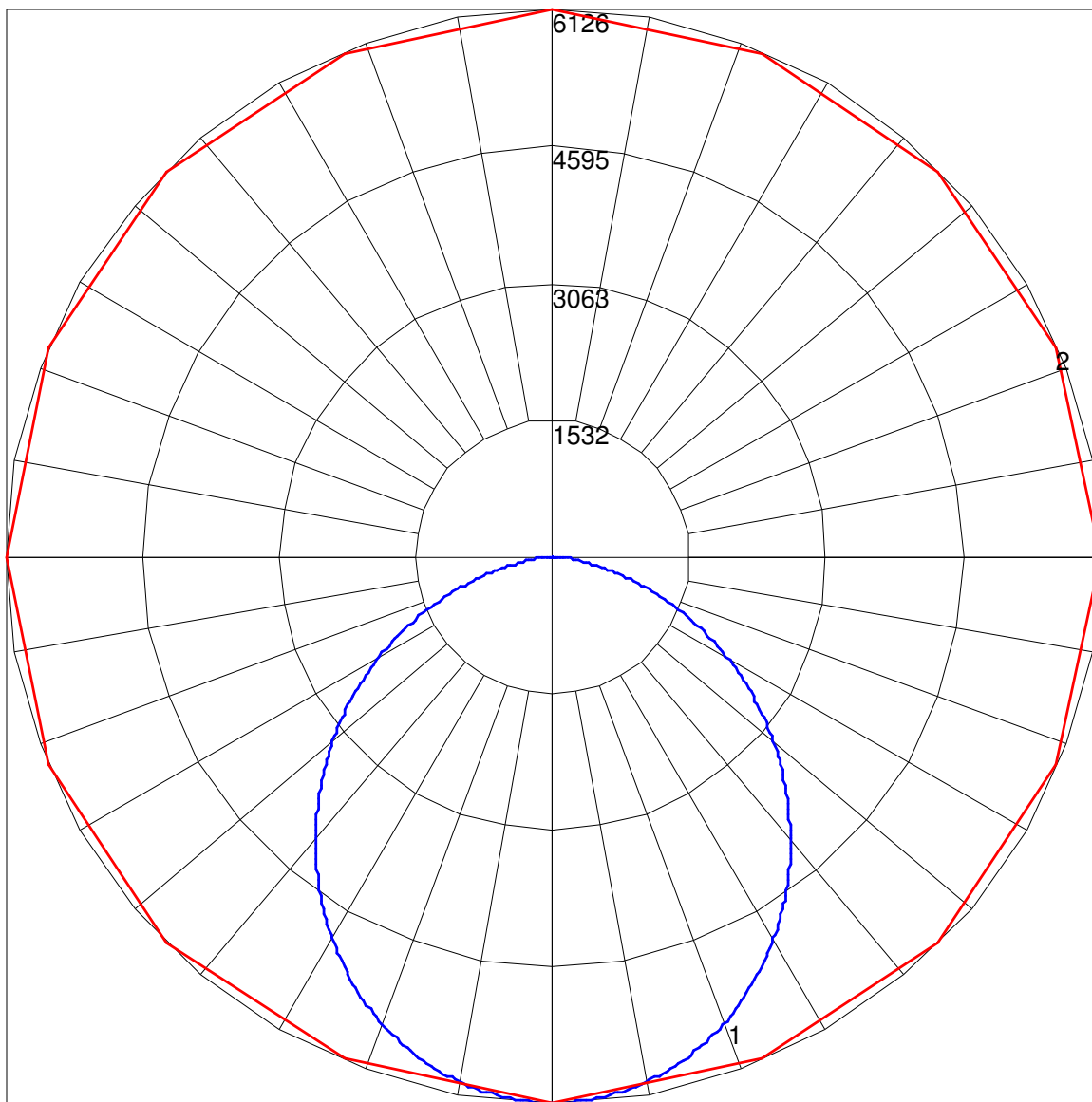
Reflectances

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	19.1	20.7	19.5	21.0	21.3	19.7	21.3	20.1	21.6	22.0
	3H	20.6	22.1	21.0	22.4	22.8	21.4	22.9	21.8	23.2	23.6
	4H	21.1	22.5	21.5	22.8	23.2	21.9	23.3	22.3	23.7	24.0
	6H	21.4	22.6	21.8	23.0	23.4	22.2	23.5	22.6	23.9	24.3
	8H	21.4	22.6	21.8	23.0	23.4	22.3	23.5	22.7	23.9	24.3
	12H	21.4	22.6	21.9	23.0	23.4	22.3	23.4	22.7	23.8	24.2
4H	2H	19.8	21.2	20.2	21.5	21.9	20.3	21.6	20.7	22.0	22.4
	3H	21.5	22.7	22.0	23.1	23.5	22.2	23.3	22.6	23.7	24.1
	4H	22.1	23.1	22.5	23.5	24.0	22.8	23.8	23.2	24.3	24.7
	6H	22.5	23.3	22.9	23.8	24.2	23.2	24.1	23.7	24.5	25.0
	8H	22.5	23.4	23.0	23.8	24.3	23.2	24.1	23.7	24.5	25.0
	12H	22.5	23.3	23.0	23.8	24.2	23.3	24.0	23.7	24.5	25.0
8H	4H	22.4	23.2	22.9	23.7	24.1	23.0	23.9	23.5	24.3	24.8
	6H	22.8	23.5	23.3	24.0	24.5	23.5	24.2	24.0	24.6	25.1
	8H	22.9	23.5	23.4	24.0	24.5	23.5	24.2	24.1	24.7	25.2
	12H	23.0	23.5	23.5	24.0	24.6	23.6	24.1	24.1	24.6	25.2
12H	4H	22.4	23.1	22.9	23.6	24.1	23.0	23.8	23.5	24.3	24.7
	6H	22.8	23.5	23.4	23.9	24.5	23.5	24.1	24.0	24.6	25.1
	8H	23.0	23.5	23.5	24.0	24.6	23.6	24.1	24.1	24.6	25.2

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 6126.028 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.)