

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L66-830-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-L66-830-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	15810
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
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	8466	8627	8848
55	7751	8148	8525
65	6686	7416	7807
75	4796	5733	5915
85	1867	2199	2008

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L66-830-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	6053.413	6053.413	6053.413	6053.413	6053.413
0.5	6054.578	6049.787	6051.257	6048.412	6046.716
1.0	6064.768	6045.513	6057.860	6043.489	6061.525
1.5	6059.196	6041.238	6050.264	6040.855	6054.140
2.0	6056.563	6035.799	6042.879	6047.896	6055.742
2.5	6051.429	6031.181	6037.917	6039.652	6044.255
3.0	6046.982	6039.253	6041.199	6027.782	6039.902
3.5	6050.436	6037.097	6028.032	6028.774	6046.162
4.0	6036.792	6024.750	6028.469	6023.335	6040.895
4.5	6033.471	6025.570	6013.489	6013.755	6025.914
5.0	6029.329	6019.272	6015.950	6003.221	6027.000
5.5	6023.202	6010.379	6006.370	6010.738	6020.225
6.0	6014.481	6001.275	5995.492	5991.444	6012.801
6.5	5999.329	5987.592	5994.632	5989.115	6003.049
7.0	5998.469	5985.779	5979.441	5979.191	5983.622
7.5	5986.943	5973.908	5970.892	5964.687	5978.964
8.0	5977.362	5963.030	5966.406	5954.935	5965.242
8.5	5957.115	5949.480	5948.581	5935.640	5952.684
9.0	5953.278	5939.899	5937.664	5927.529	5945.565
9.5	5945.338	5928.850	5920.527	5919.894	5927.568
10.0	5926.560	5915.471	5910.298	5901.116	5916.612
10.5	5904.156	5902.436	5897.224	5886.745	5896.021
11.0	5878.813	5881.845	5880.431	5870.217	5891.496
11.5	5880.376	5871.272	5859.628	5856.495	5868.920
12.0	5867.169	5855.604	5848.063	5842.772	5848.766
12.5	5854.783	5835.145	5837.146	5823.135	5833.098
13.0	5825.987	5818.313	5814.226	5809.240	5820.978
13.5	5812.608	5801.480	5797.354	5784.507	5812.655
14.0	5794.783	5786.766	5782.163	5763.705	5790.040
14.5	5779.248	5764.666	5757.602	5751.280	5761.032
15.0	5755.031	5743.082	5737.448	5728.665	5742.996
15.5	5743.942	5716.536	5715.997	5706.698	5710.535
16.0	5714.286	5696.898	5698.305	5687.193	5708.738
16.5	5700.563	5677.260	5675.041	5667.860	5675.760
17.0	5676.651	5654.817	5655.231	5639.977	5661.350
17.5	5651.918	5631.725	5627.998	5617.018	5634.116
18.0	5619.628	5605.828	5606.203	5598.162	5605.718
18.5	5607.375	5591.933	5584.236	5570.928	5574.726
19.0	5576.382	5555.197	5552.251	5550.431	5553.541
19.5	5556.744	5534.871	5531.754	5524.666	5528.769
20.0	5521.477	5509.451	5502.230	5499.550	5496.917
20.5	5507.067	5481.092	5480.740	5473.785	5475.083
21.0	5458.023	5454.202	5448.411	5452.944	5452.256
21.5	5440.980	5429.602	5422.647	5419.623	5422.045
22.0	5418.669	5401.071	5392.952	5390.060	5400.860
22.5	5391.303	5370.383	5364.554	5364.124	5361.280
23.0	5354.051	5343.149	5342.548	5339.657	5347.823
23.5	5331.912	5314.275	5307.758	5308.453	5317.745
24.0	5302.561	5281.946	5280.829	5274.616	5287.362
24.5	5261.683	5252.079	5248.977	5247.687	5251.063
25.0	5234.621	5220.570	5218.937	5214.194	5224.134
25.5	5206.739	5189.883	5187.085	5188.563	5192.587
26.0	5174.582	5158.374	5154.241	5159.821	5165.791
26.5	5137.635	5125.874	5119.755	5124.171	5129.149

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L66-830-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	5109.408	5093.029	5096.929	5092.795	5097.601
27.5	5072.633	5058.067	5057.520	5063.710	5076.721
28.0	5034.389	5022.933	5017.119	5033.155	5032.045
28.5	5004.006	4990.260	4991.487	4999.966	5000.975
29.0	4967.059	4957.416	4952.727	4969.068	4978.453
29.5	4933.566	4920.297	4921.180	4928.323	4935.895
30.0	4898.603	4883.521	4887.171	4902.519	4909.404
30.5	4860.015	4852.318	4855.796	4867.690	4879.498
31.0	4827.991	4811.745	4820.146	4833.337	4836.940
31.5	4785.777	4777.259	4780.393	4798.984	4810.143
32.0	4753.925	4740.961	4743.751	4765.796	4777.260
32.5	4709.077	4701.857	4707.108	4734.897	4742.735
33.0	4676.061	4663.917	4676.381	4696.270	4703.287
33.5	4636.652	4624.985	4632.010	4656.345	4666.473
34.0	4597.071	4586.053	4598.650	4631.018	4634.582
34.5	4557.147	4546.949	4561.359	4589.281	4601.050
35.0	4516.574	4507.024	4523.552	4558.382	4570.800
35.5	4478.462	4465.631	4486.090	4519.106	4528.890
36.0	4437.889	4428.168	4448.455	4482.941	4496.483
36.5	4396.323	4387.251	4409.999	4447.767	4455.566
37.0	4354.586	4348.147	4369.903	4409.484	4419.401
37.5	4312.372	4305.589	4331.448	4375.608	4393.081
38.0	4265.539	4265.492	4293.641	4334.691	4349.531
38.5	4229.717	4222.934	4253.544	4302.800	4315.999
39.0	4184.698	4184.823	4213.448	4262.703	4277.028
39.5	4141.491	4138.811	4173.008	4228.179	4238.877
40.0	4096.776	4099.535	4133.732	4190.544	4202.883
40.5	4053.398	4055.164	4091.822	4148.463	4166.546
41.0	4011.660	4014.075	4053.367	4112.641	4122.175
41.5	3963.491	3970.353	4013.099	4074.834	4081.734
42.0	3919.464	3926.802	3971.189	4032.104	4043.928
42.5	3876.906	3881.439	3928.287	3994.469	4004.480
43.0	3830.722	3840.522	3890.824	3957.655	3972.417
43.5	3787.172	3795.330	3846.282	3916.394	3935.602
44.0	3742.801	3751.608	3806.013	3874.313	3893.521
44.5	3697.437	3708.057	3765.745	3838.319	3857.184
45.0	3653.066	3663.514	3722.843	3797.230	3817.908
45.5	3606.882	3617.330	3680.762	3761.236	3775.350
46.0	3559.057	3573.608	3638.032	3720.147	3738.363
46.5	3514.858	3529.409	3596.943	3678.410	3698.095
47.0	3473.769	3483.053	3554.041	3638.142	3657.006
47.5	3425.296	3436.869	3511.311	3595.888	3617.386
48.0	3380.581	3393.319	3466.768	3554.971	3575.821
48.5	3334.397	3347.783	3424.038	3510.429	3534.083
49.0	3288.213	3302.420	3382.777	3473.614	3493.987
49.5	3237.926	3256.236	3339.227	3429.415	3456.180
50.0	3193.211	3211.521	3296.325	3387.334	3414.615
50.5	3145.386	3166.501	3251.954	3347.237	3373.870
51.0	3097.389	3118.333	3207.411	3302.046	3328.506
51.5	3048.572	3070.984	3162.868	3256.854	3287.761
52.0	3001.224	3023.980	3119.490	3217.235	3244.211
52.5	2954.047	2978.788	3074.947	3176.661	3203.637
53.0	2904.581	2930.619	3031.396	3128.188	3158.274
53.5	2857.405	2885.256	2987.846	3087.099	3118.178
54.0	2807.423	2839.072	2941.490	3040.094	3071.517
54.5	2755.800	2789.911	2894.486	2995.723	3028.138

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L66-830-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	2713.070	2743.078	2851.927	2949.063	2983.939
55.5	2663.088	2694.909	2804.923	2905.684	2940.905
56.0	2614.099	2648.725	2761.544	2861.313	2895.713
56.5	2566.274	2602.369	2713.548	2815.473	2849.529
57.0	2517.456	2555.193	2668.356	2769.461	2805.025
57.5	2468.467	2509.009	2622.172	2720.816	2756.724
58.0	2418.657	2461.833	2575.339	2674.975	2707.601
58.5	2368.027	2412.843	2528.163	2629.956	2661.113
59.0	2321.022	2366.831	2482.972	2582.475	2616.609
59.5	2271.212	2317.021	2436.959	2535.814	2573.097
60.0	2220.410	2268.032	2389.306	2490.318	2525.139
60.5	2171.592	2220.207	2341.481	2442.188	2477.010
61.0	2122.365	2174.367	2296.634	2392.245	2427.067
61.5	2073.301	2124.385	2249.152	2342.951	2378.116
62.0	2023.163	2077.552	2203.140	2294.821	2325.884
62.5	1973.771	2027.914	2157.128	2244.058	2273.652
63.0	1927.767	1981.738	2109.303	2194.935	2223.060
63.5	1877.136	1932.510	2061.650	2143.352	2172.297
64.0	1826.506	1882.454	2011.364	2091.768	2119.244
64.5	1775.711	1833.145	1961.897	2039.985	2066.614
65.0	1724.417	1783.917	1912.603	1987.978	2013.561
65.5	1673.704	1734.935	1864.229	1939.749	1959.066
66.0	1622.992	1685.427	1814.114	1888.337	1909.097
66.5	1572.115	1636.661	1764.522	1835.086	1855.223
67.0	1521.502	1587.502	1714.110	1782.456	1800.033
67.5	1471.562	1538.391	1663.175	1727.067	1746.556
68.0	1420.668	1489.413	1612.062	1673.717	1692.557
68.5	1370.370	1440.353	1562.020	1620.862	1637.638
69.0	1320.201	1392.036	1511.175	1566.565	1582.394
69.5	1271.172	1343.490	1461.051	1513.434	1526.098
70.0	1222.950	1295.751	1409.743	1458.710	1470.980
70.5	1174.447	1247.601	1358.440	1403.376	1416.130
71.0	1125.418	1199.715	1307.434	1349.178	1361.806
71.5	1078.185	1152.028	1256.385	1296.250	1307.849
72.0	1030.178	1104.837	1206.225	1243.208	1253.861
72.5	983.342	1058.008	1155.210	1190.253	1199.360
73.0	937.395	1011.822	1104.955	1137.117	1143.258
73.5	891.184	965.606	1054.238	1083.867	1089.270
74.0	846.212	920.051	1004.198	1030.437	1036.586
74.5	801.832	874.940	954.343	978.289	984.748
75.0	757.520	830.260	905.495	927.099	934.268
75.5	713.835	786.223	856.944	877.730	884.302
76.0	670.991	742.567	809.101	828.925	833.084
76.5	629.385	699.984	761.076	778.766	784.066
77.0	588.617	657.864	713.976	728.741	732.033
77.5	548.562	616.766	667.734	681.870	678.257
78.0	509.477	575.919	622.597	632.962	623.907
78.5	471.269	535.948	578.832	582.415	572.370
79.0	434.083	496.818	536.669	532.680	522.644
79.5	398.249	458.530	493.311	485.395	475.293
80.0	364.081	421.480	452.149	439.762	429.340
80.5	330.637	385.553	413.533	395.895	385.710
81.0	298.761	350.368	373.326	353.872	344.039
81.5	267.890	316.685	334.025	314.270	304.455
82.0	238.949	285.065	297.482	276.840	265.584
82.5	211.575	254.282	262.820	240.766	228.718

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L66-830-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	185.750	224.605	229.972	205.860	195.069
83.5	161.773	196.723	198.686	174.253	166.304
84.0	139.246	170.655	169.456	147.435	143.107
84.5	118.402	146.533	141.997	126.003	123.981
85.0	99.289	124.405	116.964	107.801	106.776
85.5	81.925	103.314	95.882	91.835	91.217
86.0	66.407	84.778	79.000	77.117	76.758
86.5	52.802	68.119	64.718	63.880	64.428
87.0	40.764	53.650	52.145	52.490	52.525
87.5	30.672	41.072	41.515	41.230	41.114
88.0	22.393	30.846	31.593	30.877	30.463
88.5	15.880	22.365	22.163	20.670	20.239
89.0	10.916	14.903	13.972	12.992	12.958
89.5	7.139	9.206	7.994	8.340	8.456
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-L66-830-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-L66-830-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-L66-830-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-L66-830-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2188.89	N.A.	13.80
0-30	4593.63	N.A.	29.10
0-40	7428.15	N.A.	47.00
0-60	12849.16	N.A.	81.30
0-80	15647.49	N.A.	99.00
0-90	15809.84	N.A.	100.00
10-90	15238.85	N.A.	96.40
20-40	5239.27	N.A.	33.10
20-50	8115.81	N.A.	51.30
40-70	7286.05	N.A.	46.10
60-80	2798.33	N.A.	17.70
70-80	933.29	N.A.	5.90
80-90	162.35	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	15809.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	570.99
10-20	1617.89
20-30	2404.75
30-40	2834.52
40-50	2876.55
50-60	2544.46
60-70	1865.04
70-80	933.29
80-90	162.35
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-L66-830-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-L66-830-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

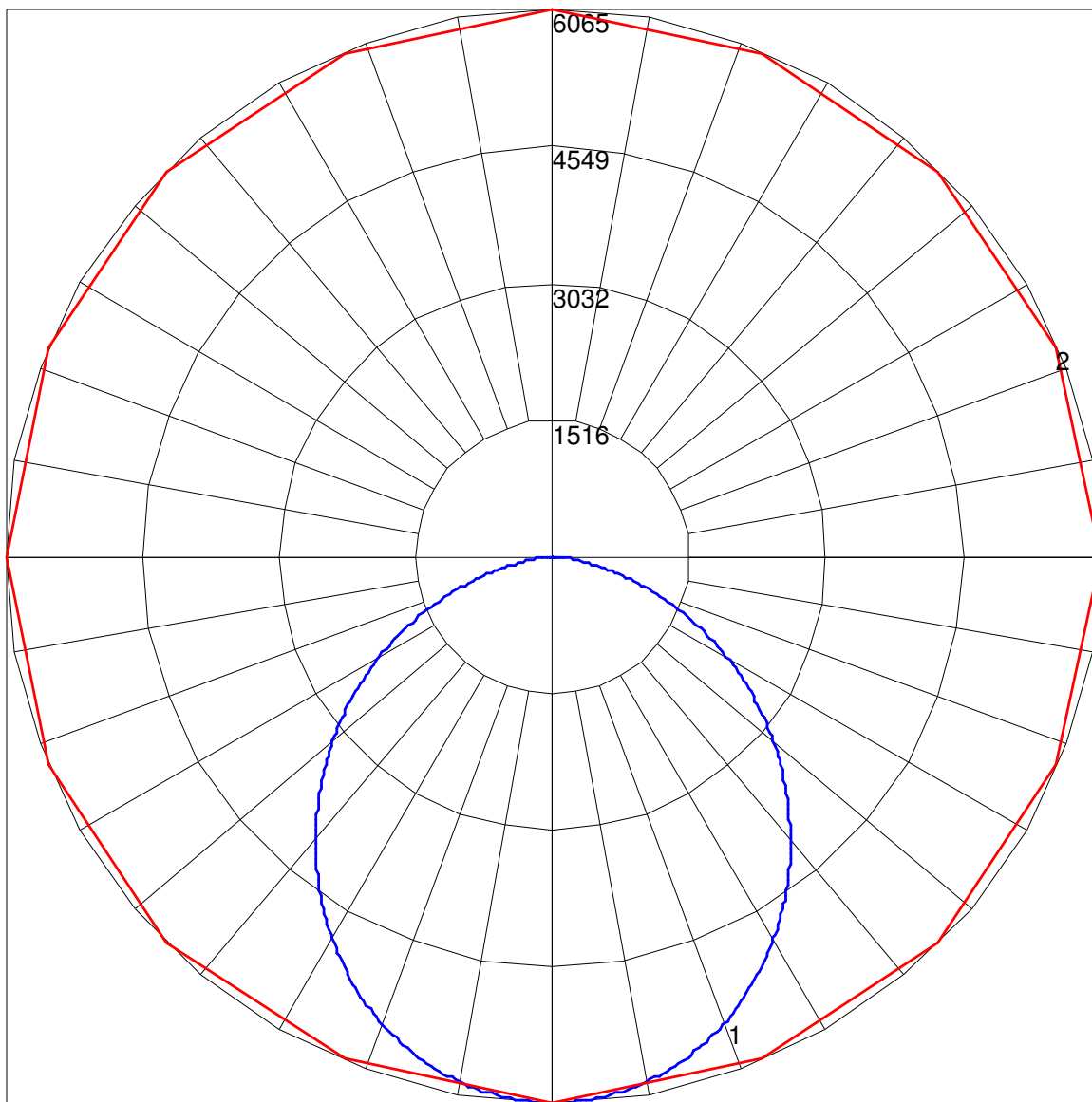
Reflectances

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 = 6064.768 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.)