

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L66-940-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-L66-940-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	13734
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
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	7354	7495	7686
55	6733	7078	7406
65	5808	6442	6782
75	4166	4980	5138
85	1622	1910	1744

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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	5258.521	5258.521	5258.521	5258.521	5258.521
0.5	5259.532	5255.371	5256.647	5254.176	5252.703
1.0	5268.384	5251.658	5262.383	5249.900	5265.567
1.5	5263.544	5247.944	5255.785	5247.612	5259.152
2.0	5261.256	5243.220	5249.370	5253.728	5260.544
2.5	5256.797	5239.208	5245.059	5246.566	5250.565
3.0	5252.934	5246.220	5247.910	5236.255	5246.784
3.5	5255.934	5244.347	5236.472	5237.117	5252.221
4.0	5244.082	5233.621	5236.852	5232.392	5247.646
4.5	5241.197	5234.334	5223.839	5224.070	5234.632
5.0	5237.599	5228.862	5225.977	5214.919	5235.576
5.5	5232.277	5221.137	5217.655	5221.449	5229.690
6.0	5224.701	5213.229	5208.205	5204.689	5223.241
6.5	5211.538	5201.342	5207.458	5202.666	5214.770
7.0	5210.792	5199.767	5194.262	5194.045	5197.894
7.5	5200.779	5189.456	5186.835	5181.445	5193.848
8.0	5192.456	5180.006	5182.939	5172.973	5181.927
8.5	5174.867	5168.235	5167.454	5156.213	5171.018
9.0	5171.534	5159.913	5157.971	5149.167	5164.834
9.5	5164.637	5150.314	5143.084	5142.534	5149.201
10.0	5148.325	5138.692	5134.198	5126.222	5139.683
10.5	5128.862	5127.369	5122.841	5113.738	5121.796
11.0	5106.848	5109.482	5108.253	5099.381	5117.865
11.5	5108.205	5100.297	5090.182	5087.460	5098.254
12.0	5096.733	5086.686	5080.135	5075.540	5080.746
12.5	5085.973	5068.914	5070.652	5058.481	5067.136
13.0	5060.958	5054.292	5050.742	5046.411	5056.607
13.5	5049.336	5039.670	5036.086	5024.925	5049.377
14.0	5033.852	5026.887	5022.889	5006.855	5029.732
14.5	5020.357	5007.690	5001.553	4996.061	5004.533
15.0	4999.320	4988.940	4984.046	4976.416	4988.866
15.5	4989.687	4965.880	4965.412	4957.334	4960.667
16.0	4963.925	4948.821	4950.043	4940.390	4959.105
16.5	4952.004	4931.761	4929.834	4923.595	4930.458
17.0	4931.232	4912.265	4912.625	4899.374	4917.941
17.5	4909.747	4892.205	4888.968	4879.430	4894.283
18.0	4881.697	4869.709	4870.035	4863.050	4869.614
18.5	4871.053	4857.639	4850.953	4839.392	4842.691
19.0	4844.130	4825.727	4823.168	4821.586	4824.288
19.5	4827.071	4808.070	4805.362	4799.205	4802.769
20.0	4796.435	4785.988	4779.715	4777.387	4775.099
20.5	4783.917	4761.352	4761.047	4755.006	4756.132
21.0	4741.313	4737.994	4732.964	4736.901	4736.304
21.5	4726.508	4716.624	4710.582	4707.955	4710.060
22.0	4707.127	4691.839	4684.786	4682.275	4691.656
22.5	4683.354	4665.181	4660.117	4659.744	4657.273
23.0	4650.993	4641.524	4641.001	4638.490	4645.584
23.5	4631.762	4616.441	4610.779	4611.384	4619.455
24.0	4606.265	4588.357	4587.386	4581.990	4593.062
24.5	4570.755	4562.412	4559.717	4558.597	4561.530
25.0	4547.246	4535.041	4533.622	4529.502	4538.137
25.5	4523.025	4508.383	4505.953	4507.236	4510.732
26.0	4495.091	4481.012	4477.421	4482.268	4487.455
26.5	4462.996	4452.779	4447.464	4451.300	4455.624

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CANDELA TABULATION - (Cont.)

27.0	4438.476	4424.248	4427.635	4424.044	4428.219
27.5	4406.530	4393.876	4393.401	4398.778	4410.081
28.0	4373.307	4363.356	4358.305	4372.235	4371.272
28.5	4346.914	4334.973	4336.039	4343.405	4344.281
29.0	4314.819	4306.442	4302.369	4316.564	4324.717
29.5	4285.724	4274.197	4274.964	4281.169	4287.747
30.0	4255.352	4242.251	4245.421	4258.754	4264.735
30.5	4221.831	4215.145	4218.166	4228.498	4238.755
31.0	4194.012	4179.899	4187.197	4198.656	4201.786
31.5	4157.341	4149.942	4152.665	4168.815	4178.508
32.0	4129.672	4118.410	4120.834	4139.984	4149.943
32.5	4090.713	4084.441	4089.003	4113.143	4119.952
33.0	4062.032	4051.483	4062.311	4079.588	4085.684
33.5	4027.799	4017.664	4023.767	4044.906	4053.704
34.0	3993.415	3983.844	3994.787	4022.905	4026.001
34.5	3958.733	3949.875	3962.393	3986.648	3996.872
35.0	3923.488	3915.193	3929.551	3959.807	3970.594
35.5	3890.381	3879.235	3897.007	3925.688	3934.188
36.0	3855.136	3846.691	3864.314	3894.272	3906.036
36.5	3819.028	3811.147	3830.908	3863.717	3870.492
37.0	3782.771	3777.178	3796.077	3830.461	3839.075
37.5	3746.101	3740.208	3762.672	3801.033	3816.212
38.0	3705.418	3705.377	3729.829	3765.489	3778.380
38.5	3674.300	3668.408	3694.998	3737.786	3749.251
39.0	3635.192	3635.301	3660.167	3702.954	3715.398
39.5	3597.659	3595.331	3625.037	3672.963	3682.257
40.0	3558.816	3561.212	3590.918	3640.270	3650.990
40.5	3521.133	3522.668	3554.512	3603.715	3619.423
41.0	3484.876	3486.974	3521.107	3572.597	3580.879
41.5	3443.033	3448.993	3486.126	3539.755	3545.749
42.0	3404.787	3411.161	3449.720	3502.636	3512.907
42.5	3367.817	3371.755	3412.452	3469.943	3478.639
43.0	3327.698	3336.211	3379.908	3437.963	3450.786
43.5	3289.866	3296.953	3341.214	3402.120	3418.806
44.0	3251.322	3258.972	3306.234	3365.565	3382.251
44.5	3211.915	3221.141	3271.253	3334.297	3350.685
45.0	3173.371	3182.447	3233.985	3298.604	3316.566
45.5	3133.251	3142.327	3197.429	3267.337	3279.597
46.0	3091.706	3104.346	3160.310	3231.643	3247.467
46.5	3053.311	3065.951	3124.617	3195.386	3212.487
47.0	3017.618	3025.683	3087.349	3160.406	3176.793
47.5	2975.509	2985.563	3050.230	3123.701	3142.376
48.0	2936.666	2947.731	3011.536	3088.157	3106.269
48.5	2896.547	2908.175	2974.417	3049.463	3070.012
49.0	2856.427	2868.769	2938.574	3017.483	3035.181
49.5	2812.744	2828.649	2900.743	2979.088	3002.338
50.0	2773.901	2789.806	2863.474	2942.532	2966.231
50.5	2732.356	2750.698	2824.930	2907.701	2930.836
51.0	2690.662	2708.855	2786.236	2868.444	2891.430
51.5	2648.254	2667.724	2747.542	2829.187	2856.035
52.0	2607.124	2626.892	2709.860	2794.769	2818.203
52.5	2566.142	2587.634	2671.166	2759.524	2782.958
53.0	2523.171	2545.791	2633.334	2717.416	2743.551
53.5	2482.190	2506.384	2595.503	2681.722	2708.720
54.0	2438.771	2466.265	2555.234	2640.890	2668.186
54.5	2393.927	2423.559	2514.402	2602.346	2630.504

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55.0	2356.808	2382.876	2477.432	2561.812	2592.109
55.5	2313.390	2341.032	2436.600	2524.130	2554.725
56.0	2270.833	2300.913	2398.917	2485.585	2515.468
56.5	2229.288	2260.644	2357.223	2445.765	2475.349
57.0	2186.881	2219.663	2317.966	2405.794	2436.689
57.5	2144.325	2179.543	2277.846	2363.537	2394.730
58.0	2101.056	2138.562	2237.164	2323.716	2352.058
58.5	2057.074	2096.005	2196.182	2284.608	2311.674
59.0	2016.241	2056.035	2156.925	2243.362	2273.014
59.5	1972.972	2012.766	2116.955	2202.828	2235.216
60.0	1928.841	1970.209	2075.559	2163.306	2193.555
60.5	1886.434	1928.665	2034.014	2121.496	2151.746
61.0	1843.670	1888.844	1995.055	2078.112	2108.361
61.5	1801.049	1845.425	1953.809	2035.291	2065.839
62.0	1757.495	1804.742	1913.839	1993.481	2020.465
62.5	1714.589	1761.622	1873.869	1949.383	1975.091
63.0	1674.626	1721.510	1832.324	1906.712	1931.143
63.5	1630.644	1678.746	1790.928	1861.901	1887.046
64.0	1586.662	1635.263	1747.245	1817.091	1840.959
64.5	1542.537	1592.429	1704.275	1772.109	1795.241
65.0	1497.978	1549.665	1661.453	1726.930	1749.154
65.5	1453.925	1507.115	1619.431	1685.035	1701.815
66.0	1409.871	1464.108	1575.897	1640.374	1658.407
66.5	1365.676	1421.746	1532.817	1594.115	1611.608
67.0	1321.709	1379.042	1489.025	1548.396	1563.665
67.5	1278.327	1336.380	1444.778	1500.281	1517.210
68.0	1234.116	1293.834	1400.377	1453.936	1470.302
68.5	1190.422	1251.216	1356.906	1408.022	1422.594
69.0	1146.842	1209.243	1312.738	1360.855	1374.605
69.5	1104.250	1167.072	1269.195	1314.700	1325.701
70.0	1062.361	1125.602	1224.626	1267.162	1277.821
70.5	1020.227	1083.775	1180.059	1219.095	1230.173
71.0	977.636	1042.177	1135.751	1172.014	1182.983
71.5	936.605	1000.751	1091.405	1126.035	1136.111
72.0	894.903	959.757	1047.832	1079.959	1089.213
72.5	854.216	919.078	1003.516	1033.957	1041.868
73.0	814.303	878.957	959.860	987.798	993.133
73.5	774.160	838.810	915.802	941.541	946.235
74.0	735.094	799.236	872.334	895.127	900.469
74.5	696.541	760.049	829.026	849.827	855.437
75.0	658.048	721.236	786.591	805.359	811.586
75.5	620.099	682.982	744.416	762.472	768.181
76.0	582.881	645.058	702.855	720.077	723.689
76.5	546.739	608.067	661.137	676.504	681.108
77.0	511.324	571.478	620.221	633.047	635.907
77.5	476.528	535.777	580.052	592.331	589.193
78.0	442.576	500.293	540.842	549.846	541.980
78.5	409.385	465.571	502.824	505.937	497.210
79.0	377.082	431.579	466.197	462.732	454.014
79.5	345.954	398.319	428.533	421.656	412.880
80.0	316.272	366.134	392.776	382.016	372.962
80.5	287.220	334.925	359.231	343.909	335.061
81.0	259.530	304.360	324.303	307.404	298.863
81.5	232.713	275.100	290.163	273.002	264.476
82.0	207.572	247.632	258.419	240.487	230.709
82.5	183.792	220.892	228.309	209.150	198.684

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CANDELA TABULATION - (Cont.)

83.0	161.359	195.111	199.774	178.828	169.454
83.5	140.530	170.891	172.596	151.372	144.466
84.0	120.961	148.246	147.204	128.075	124.315
84.5	102.854	127.291	123.351	109.457	107.701
85.0	86.251	108.069	101.605	93.645	92.755
85.5	71.167	89.747	83.292	79.776	79.239
86.0	57.687	73.645	68.627	66.991	66.679
86.5	45.868	59.174	56.219	55.492	55.968
87.0	35.411	46.605	45.298	45.598	45.627
87.5	26.644	35.678	36.063	35.816	35.715
88.0	19.453	26.796	27.444	26.822	26.463
88.5	13.795	19.428	19.253	17.956	17.581
89.0	9.483	12.946	12.137	11.286	11.257
89.5	6.202	7.997	6.945	7.245	7.346
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-L66-940-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-L66-940-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1901.46	N.A.	13.80
0-30	3990.43	N.A.	29.10
0-40	6452.74	N.A.	47.00
0-60	11161.9	N.A.	81.30
0-80	13592.77	N.A.	99.00
0-90	13733.8	N.A.	100.00
10-90	13237.79	N.A.	96.40
20-40	4551.28	N.A.	33.10
20-50	7050.1	N.A.	51.30
40-70	6329.3	N.A.	46.10
60-80	2430.87	N.A.	17.70
70-80	810.73	N.A.	5.90
80-90	141.03	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	13733.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	496.01
10-20	1405.44
20-30	2088.97
30-40	2462.31
40-50	2498.82
50-60	2210.34
60-70	1620.14
70-80	810.73
80-90	141.03
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-L66-940-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-L66-940-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

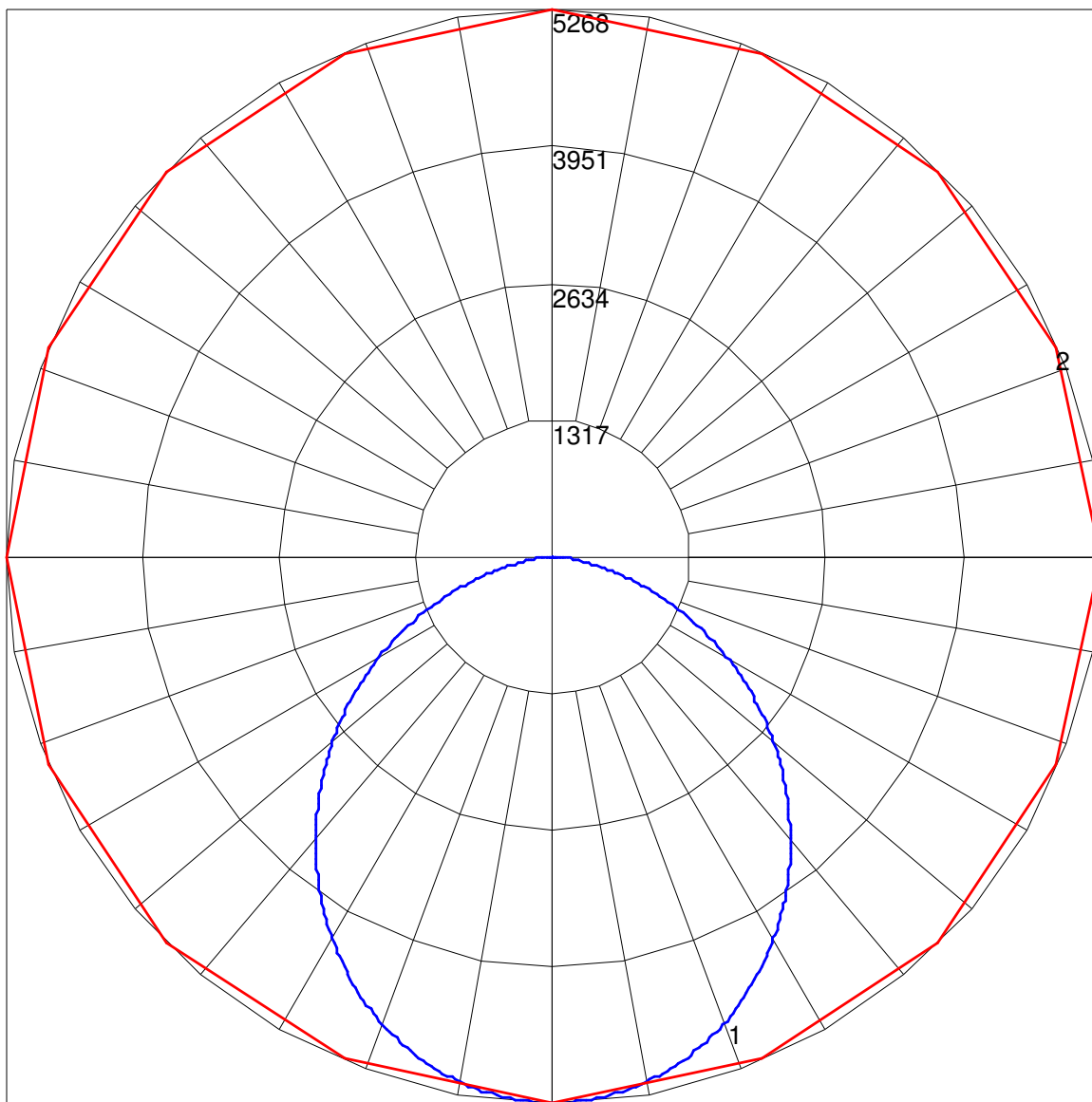
Reflectances

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	18.6	20.2	19.0	20.5	20.8	19.2	20.8	19.6	21.1	21.5
	3H	20.1	21.6	20.5	21.9	22.3	20.9	22.4	21.3	22.7	23.1
	4H	20.6	22.0	21.0	22.3	22.7	21.4	22.8	21.8	23.2	23.5
	6H	20.9	22.1	21.3	22.5	22.9	21.7	23.0	22.1	23.4	23.8
	8H	20.9	22.1	21.3	22.5	22.9	21.8	23.0	22.2	23.4	23.8
	12H	20.9	22.1	21.4	22.5	22.9	21.8	22.9	22.2	23.3	23.7
4H	2H	19.3	20.7	19.7	21.0	21.4	19.8	21.1	20.2	21.5	21.9
	3H	21.0	22.2	21.5	22.6	23.0	21.7	22.8	22.1	23.2	23.6
	4H	21.6	22.6	22.0	23.0	23.5	22.3	23.3	22.7	23.8	24.2
	6H	22.0	22.8	22.4	23.3	23.7	22.7	23.6	23.2	24.0	24.5
	8H	22.0	22.9	22.5	23.3	23.8	22.7	23.6	23.2	24.0	24.5
	12H	22.0	22.8	22.5	23.3	23.7	22.8	23.5	23.2	24.0	24.5
8H	4H	21.9	22.7	22.4	23.2	23.6	22.5	23.4	23.0	23.8	24.3
	6H	22.3	23.0	22.8	23.5	24.0	23.0	23.7	23.5	24.1	24.6
	8H	22.4	23.0	22.9	23.5	24.0	23.0	23.7	23.6	24.2	24.7
	12H	22.5	23.0	23.0	23.5	24.1	23.1	23.6	23.6	24.1	24.7
12H	4H	21.9	22.6	22.4	23.1	23.6	22.5	23.3	23.0	23.8	24.2
	6H	22.3	23.0	22.9	23.4	24.0	23.0	23.6	23.5	24.1	24.6
	8H	22.5	23.0	23.0	23.5	24.1	23.1	23.6	23.6	24.1	24.7

Maximum UGR = 24.7

POLAR GRAPH



Maximum Candela = 5268.384 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.)