

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L52-827-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-L52-827-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	12276
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	105.2
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	6568	6700	6876
55	6014	6330	6630
65	5188	5765	6075
75	3722	4459	4603
85	1449	1705	1555

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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	4695.772	4695.772	4695.772	4695.772	4695.772
0.5	4696.658	4692.955	4694.121	4691.987	4690.461
1.0	4704.626	4689.614	4699.233	4688.124	4702.012
1.5	4700.240	4686.274	4693.356	4686.071	4696.217
2.0	4698.187	4682.048	4687.562	4691.624	4697.544
2.5	4694.242	4678.466	4683.738	4685.224	4688.530
3.0	4690.781	4684.745	4686.313	4676.007	4685.267
3.5	4693.477	4683.094	4676.051	4676.772	4690.137
4.0	4682.813	4673.475	4676.491	4672.546	4686.032
4.5	4680.277	4674.119	4664.820	4665.140	4674.361
5.0	4677.096	4669.288	4666.752	4656.930	4675.325
5.5	4672.386	4662.366	4659.345	4662.884	4670.092
6.0	4665.585	4655.361	4650.893	4647.912	4664.336
6.5	4653.793	4644.736	4650.288	4646.140	4656.809
7.0	4653.188	4643.327	4638.535	4638.492	4641.676
7.5	4644.213	4634.110	4631.855	4627.222	4638.133
8.0	4636.807	4625.658	4628.432	4619.695	4627.547
8.5	4621.030	4615.193	4614.627	4604.723	4617.846
9.0	4618.131	4607.786	4606.213	4598.483	4612.371
9.5	4612.012	4599.213	4592.891	4592.645	4598.444
10.0	4597.403	4588.869	4584.962	4578.036	4590.070
10.5	4579.976	4578.766	4574.899	4566.926	4574.052
11.0	4560.216	4562.748	4561.819	4554.166	4570.668
11.5	4561.581	4554.577	4545.718	4543.579	4553.120
12.0	4551.357	4542.421	4536.782	4532.993	4537.543
12.5	4541.778	4526.563	4528.369	4517.778	4525.388
13.0	4519.321	4513.522	4510.579	4507.071	4516.128
13.5	4508.976	4500.481	4497.577	4487.872	4509.806
14.0	4495.170	4489.130	4485.824	4471.772	4492.297
14.5	4483.175	4471.984	4466.746	4462.231	4469.758
15.0	4464.340	4455.200	4451.169	4444.722	4455.870
15.5	4455.805	4434.593	4434.546	4427.736	4430.635
16.0	4432.744	4419.379	4420.900	4412.681	4429.503
16.5	4422.157	4404.164	4402.868	4397.748	4403.905
17.0	4403.603	4386.776	4387.532	4376.134	4392.834
17.5	4384.404	4368.865	4366.441	4358.383	4371.743
18.0	4359.290	4348.781	4349.576	4343.851	4349.766
18.5	4349.870	4338.073	4332.590	4322.760	4325.698
19.0	4325.802	4309.498	4307.757	4306.940	4309.395
19.5	4310.587	4293.800	4291.937	4287.016	4290.235
20.0	4283.178	4274.117	4269.036	4267.614	4265.562
20.5	4272.108	4252.101	4252.451	4247.690	4248.735
21.0	4233.875	4231.252	4227.376	4231.628	4231.144
21.5	4220.752	4212.214	4207.452	4205.788	4207.759
22.0	4203.524	4190.077	4184.429	4182.925	4191.455
22.5	4182.273	4166.289	4162.452	4162.880	4160.745
23.0	4153.335	4145.198	4145.505	4144.001	4150.478
23.5	4136.227	4122.819	4118.498	4119.851	4127.253
24.0	4113.447	4097.744	4097.688	4093.648	4103.746
24.5	4081.691	4074.600	4073.015	4072.837	4075.612
25.0	4060.721	4050.169	4049.750	4046.876	4054.801
25.5	4039.107	4026.381	4025.077	4027.112	4030.409
26.0	4014.153	4001.950	3999.638	4004.893	4009.758
26.5	3985.495	3976.754	3972.912	3977.281	3981.382

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CANDELA TABULATION - (Cont.)

27.0	3963.639	3951.316	3955.321	3953.010	3956.989
27.5	3935.103	3924.188	3924.733	3930.549	3940.967
28.0	3905.400	3896.939	3893.379	3906.921	3906.273
28.5	3881.893	3871.622	3873.614	3881.241	3882.282
29.0	3853.236	3846.184	3843.548	3857.371	3864.972
29.5	3827.275	3817.406	3819.156	3825.776	3831.968
30.0	3800.147	3788.869	3792.832	3805.890	3811.598
30.5	3770.202	3764.719	3768.560	3778.922	3788.494
31.0	3745.408	3733.244	3740.949	3752.356	3755.489
31.5	3712.645	3706.518	3710.118	3725.790	3734.839
32.0	3687.972	3678.384	3681.741	3700.110	3709.439
32.5	3653.157	3648.076	3653.365	3676.241	3682.753
33.0	3627.598	3618.653	3629.616	3646.335	3652.203
33.5	3597.009	3588.466	3595.203	3615.383	3623.705
34.0	3566.299	3558.279	3569.402	3595.899	3599.071
34.5	3535.347	3527.971	3540.503	3563.538	3573.149
35.0	3503.873	3497.020	3511.240	3539.669	3549.802
35.5	3474.330	3464.901	3482.220	3509.240	3517.320
36.0	3442.855	3435.881	3453.079	3481.265	3492.323
36.5	3410.615	3404.164	3423.294	3454.055	3460.606
37.0	3378.255	3373.856	3392.221	3424.391	3432.632
37.5	3345.492	3340.852	3362.436	3398.227	3412.383
38.0	3309.148	3309.779	3333.173	3366.510	3378.614
38.5	3281.415	3276.774	3302.100	3341.876	3352.692
39.0	3246.479	3247.231	3271.028	3310.803	3322.544
39.5	3212.952	3211.531	3239.713	3284.116	3293.039
40.0	3178.297	3181.102	3209.284	3254.975	3265.186
40.5	3144.649	3146.688	3176.802	3222.372	3237.090
41.0	3112.288	3114.851	3147.017	3194.640	3202.677
41.5	3074.937	3080.961	3115.823	3165.377	3171.362
42.0	3040.766	3047.191	3083.342	3132.252	3142.100
42.5	3007.762	3012.014	3050.095	3103.111	3111.550
43.0	2971.940	2980.297	3021.075	3074.613	3086.794
43.5	2938.171	2945.240	2986.541	3042.655	3058.297
44.0	2903.758	2911.350	2955.347	3010.052	3025.694
44.5	2868.580	2877.581	2924.153	2982.198	2997.599
45.0	2834.167	2843.047	2890.907	2950.361	2967.170
45.5	2798.345	2807.225	2858.304	2922.507	2934.165
46.0	2761.236	2773.335	2825.179	2890.669	2905.547
46.5	2726.944	2739.043	2793.341	2858.309	2874.353
47.0	2695.106	2703.100	2760.095	2827.115	2842.515
47.5	2657.474	2667.278	2726.970	2794.392	2811.845
48.0	2622.819	2633.509	2692.436	2762.675	2779.605
48.5	2586.997	2598.210	2659.310	2728.141	2747.244
49.0	2551.175	2563.032	2627.352	2699.643	2716.172
49.5	2512.134	2527.211	2593.583	2665.351	2686.909
50.0	2477.479	2492.556	2560.336	2632.749	2654.670
50.5	2440.370	2457.620	2525.923	2601.676	2623.074
51.0	2403.140	2420.268	2491.389	2566.619	2587.896
51.5	2365.265	2383.561	2456.855	2531.562	2556.301
52.0	2328.558	2347.095	2423.207	2500.891	2522.531
52.5	2291.971	2312.038	2388.673	2469.417	2491.057
53.0	2253.574	2274.687	2354.904	2431.784	2455.879
53.5	2216.988	2239.509	2321.134	2399.947	2424.806
54.0	2178.228	2203.688	2285.192	2363.481	2388.582
54.5	2138.180	2165.571	2248.726	2329.068	2354.934

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55.0	2105.055	2129.227	2215.722	2292.845	2320.642
55.5	2066.295	2091.875	2179.256	2259.196	2287.236
56.0	2028.299	2056.054	2145.608	2224.783	2252.179
56.5	1991.190	2020.111	2108.378	2189.204	2216.357
57.0	1953.316	1983.524	2073.321	2153.503	2181.784
57.5	1915.321	1947.703	2037.499	2115.750	2144.273
58.0	1876.681	1911.116	2001.155	2080.170	2106.118
58.5	1837.399	1873.121	1964.568	2045.234	2070.015
59.0	1800.933	1837.420	1929.511	2008.367	2035.443
59.5	1762.294	1798.781	1893.810	1972.143	2001.634
60.0	1722.890	1760.786	1856.822	1936.805	1964.365
60.5	1685.016	1723.677	1819.713	1899.415	1926.975
61.0	1646.820	1688.097	1784.898	1860.616	1888.176
61.5	1608.752	1649.337	1748.030	1822.340	1850.142
62.0	1569.856	1612.992	1712.330	1784.950	1809.532
62.5	1531.531	1574.474	1676.629	1745.507	1768.923
63.0	1495.822	1538.645	1639.520	1707.352	1729.601
63.5	1456.540	1500.449	1602.531	1667.265	1690.158
64.0	1417.257	1461.616	1563.490	1627.179	1648.905
64.5	1377.845	1423.356	1525.093	1586.939	1607.990
65.0	1338.055	1385.160	1486.817	1546.515	1566.736
65.5	1298.708	1347.157	1449.261	1509.048	1524.348
66.0	1259.360	1308.743	1410.341	1469.082	1485.517
66.5	1219.884	1270.905	1371.836	1427.676	1443.620
67.0	1180.613	1232.758	1332.687	1386.761	1400.697
67.5	1141.870	1194.650	1293.123	1343.684	1359.106
68.0	1102.382	1156.643	1253.414	1302.201	1317.100
68.5	1063.352	1118.572	1214.539	1261.101	1274.374
69.0	1024.428	1081.076	1175.032	1218.866	1231.387
69.5	986.385	1043.400	1136.092	1177.544	1187.578
70.0	948.969	1006.351	1096.227	1134.975	1144.700
70.5	911.337	968.980	1056.357	1091.931	1102.022
71.0	873.293	931.814	1016.717	1049.773	1059.755
71.5	836.647	894.802	977.034	1008.600	1017.766
72.0	799.397	858.172	938.042	967.335	975.749
72.5	763.056	821.823	898.382	926.131	933.337
73.0	727.408	785.974	859.310	884.786	889.685
73.5	691.554	750.096	819.880	843.348	847.668
74.0	656.658	714.730	780.973	801.769	806.661
74.5	622.225	679.710	742.203	761.192	766.302
75.0	587.841	645.020	704.214	721.356	726.986
75.5	553.943	610.829	666.454	682.921	688.064
76.0	520.698	576.932	629.246	644.917	648.169
76.5	488.410	543.864	591.897	605.866	609.968
77.0	456.779	511.154	555.264	566.916	569.452
77.5	425.695	479.237	519.295	530.405	527.604
78.0	395.367	447.510	484.184	492.328	485.305
78.5	365.716	416.459	450.131	452.991	445.171
79.0	336.858	386.060	417.318	414.278	406.419
79.5	309.050	356.312	383.591	377.449	369.510
80.0	282.534	327.523	351.563	341.896	333.692
80.5	256.582	299.603	321.499	307.712	299.681
81.0	231.845	272.259	290.216	274.964	267.195
81.5	207.889	246.078	259.636	244.100	236.343
82.0	185.430	221.495	231.190	214.930	206.066
82.5	164.187	197.568	204.201	186.835	177.386

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CANDELA TABULATION - (Cont.)

83.0	144.147	174.498	178.621	159.680	151.229
83.5	125.540	152.825	154.260	135.113	128.888
84.0	108.060	132.561	131.505	114.281	110.877
84.5	91.884	113.805	110.142	97.638	96.029
85.0	77.052	96.600	90.686	83.507	82.686
85.5	63.577	80.203	74.309	71.122	70.628
86.0	51.534	65.791	61.200	59.716	59.430
86.5	40.977	52.839	50.120	49.464	49.882
87.0	31.635	41.594	40.375	40.645	40.669
87.5	23.803	31.826	32.144	31.931	31.842
88.0	17.379	23.893	24.464	23.921	23.603
88.5	12.324	17.320	17.171	16.027	15.697
89.0	8.472	11.544	10.835	10.086	10.062
89.5	5.542	7.136	6.210	6.480	6.568
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-L52-827-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-L52-827-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-L52-827-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1698.13	N.A.	13.80
0-30	3564.16	N.A.	29.00
0-40	5764.35	N.A.	47.00
0-60	9974.78	N.A.	81.30
0-80	12149.92	N.A.	99.00
0-90	12275.96	N.A.	100.00
10-90	11833.02	N.A.	96.40
20-40	4066.22	N.A.	33.10
20-50	6299.92	N.A.	51.30
40-70	5659.99	N.A.	46.10
60-80	2175.14	N.A.	17.70
70-80	725.57	N.A.	5.90
80-90	126.05	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	12275.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	442.94
10-20	1255.19
20-30	1866.03
30-40	2200.19
40-50	2233.7
50-60	1976.73
60-70	1449.56
70-80	725.57
80-90	126.05
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-L52-827-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	63	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	27	39	32	27	38	32	27	37	31	27	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L52-827-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

X=2H	Y=2H	18.2	19.8	18.6	20.1	20.4	18.8	20.4	19.2	20.7	21.1
	3H	19.7	21.2	20.1	21.5	21.9	20.5	22.0	20.9	22.3	22.7
	4H	20.2	21.6	20.6	21.9	22.3	21.1	22.4	21.5	22.8	23.2
	6H	20.5	21.7	20.9	22.1	22.5	21.3	22.6	21.7	23.0	23.4
	8H	20.5	21.7	20.9	22.1	22.5	21.4	22.6	21.8	23.0	23.4
	12H	20.5	21.7	20.9	22.1	22.5	21.4	22.5	21.8	22.9	23.3

UGR Viewed Endwise

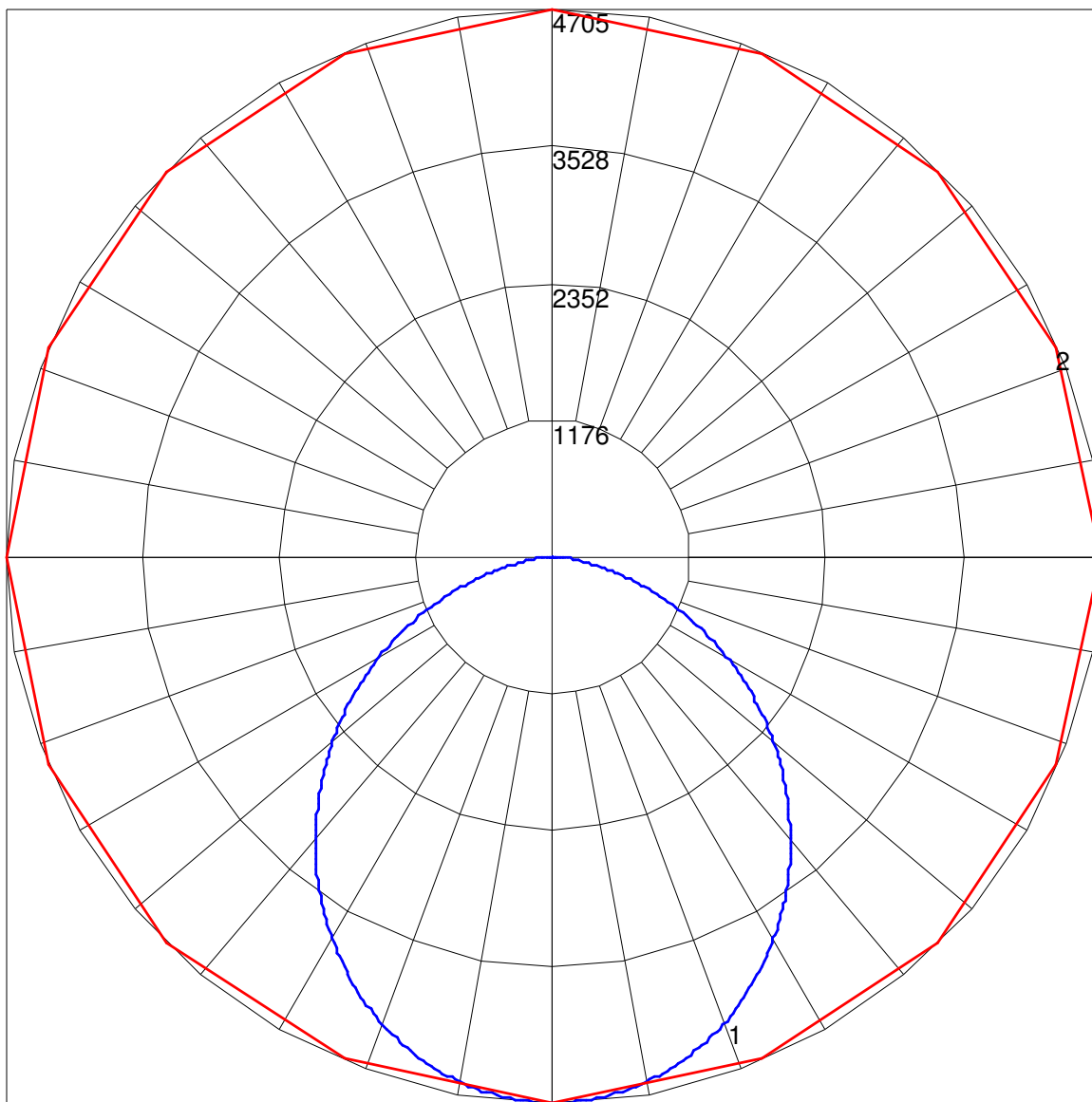
4H	2H	18.9	20.3	19.3	20.6	21.0	19.4	20.7	19.8	21.1	21.5
	3H	20.6	21.8	21.0	22.2	22.6	21.3	22.4	21.7	22.8	23.2
	4H	21.2	22.2	21.6	22.6	23.1	21.9	23.0	22.3	23.4	23.8
	6H	21.6	22.4	22.0	22.9	23.3	22.3	23.2	22.8	23.6	24.1
	8H	21.6	22.5	22.1	22.9	23.4	22.4	23.2	22.8	23.6	24.1
	12H	21.6	22.4	22.1	22.9	23.3	22.4	23.1	22.9	23.6	24.1

8H	4H	21.5	22.3	22.0	22.8	23.2	22.1	23.0	22.6	23.4	23.9
	6H	21.9	22.6	22.4	23.1	23.6	22.6	23.3	23.1	23.8	24.2
	8H	22.0	22.6	22.5	23.1	23.6	22.7	23.3	23.2	23.8	24.3
	12H	22.1	22.6	22.6	23.1	23.7	22.7	23.2	23.2	23.7	24.3

12H	4H	21.5	22.3	22.0	22.7	23.2	22.1	22.9	22.6	23.4	23.8
	6H	21.9	22.6	22.5	23.0	23.6	22.6	23.2	23.1	23.7	24.2
	8H	22.1	22.6	22.6	23.1	23.7	22.7	23.2	23.2	23.7	24.3

Maximum UGR = 24.3

POLAR GRAPH



Maximum Candela = 4704.626 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.)