

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L52-835-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-L52-835-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	12656
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	6771	6907	7089
55	6200	6526	6835
65	5349	5943	6263
75	3837	4597	4745
85	1494	1758	1603

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L52-835-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	4841.002	4841.002	4841.002	4841.002	4841.002
0.5	4841.915	4838.098	4839.300	4837.100	4835.527
1.0	4850.130	4834.654	4844.570	4833.117	4847.435
1.5	4845.608	4831.211	4838.512	4831.001	4841.461
2.0	4843.492	4826.854	4832.538	4836.725	4842.828
2.5	4839.425	4823.161	4828.596	4830.128	4833.536
3.0	4835.857	4829.634	4831.251	4820.626	4830.173
3.5	4838.637	4827.932	4820.671	4821.415	4835.193
4.0	4827.642	4818.016	4821.125	4817.058	4830.961
4.5	4825.027	4818.679	4809.093	4809.423	4818.929
5.0	4821.749	4813.699	4811.084	4800.959	4819.922
5.5	4816.893	4806.563	4803.449	4807.097	4814.528
6.0	4809.881	4799.342	4794.735	4791.662	4808.594
6.5	4797.724	4788.387	4794.112	4789.835	4800.834
7.0	4797.101	4786.935	4781.995	4781.950	4785.233
7.5	4787.848	4777.433	4775.108	4770.332	4781.581
8.0	4780.213	4768.720	4771.580	4762.572	4770.667
8.5	4763.949	4757.930	4757.347	4747.137	4760.666
9.0	4760.960	4750.295	4748.674	4740.704	4755.022
9.5	4754.652	4741.457	4734.940	4734.686	4740.664
10.0	4739.590	4730.792	4726.765	4719.624	4732.031
10.5	4721.625	4720.377	4716.390	4708.171	4715.517
11.0	4701.253	4703.864	4702.906	4695.017	4712.029
11.5	4702.661	4695.440	4686.308	4684.102	4693.939
12.0	4692.121	4682.909	4677.095	4673.188	4677.879
12.5	4682.245	4666.560	4668.422	4657.503	4665.348
13.0	4659.094	4653.115	4650.082	4646.465	4655.802
13.5	4648.429	4639.671	4636.678	4626.672	4649.284
14.0	4634.196	4627.969	4624.561	4610.074	4631.234
14.5	4621.830	4610.292	4604.893	4600.238	4607.998
15.0	4602.412	4592.990	4588.834	4582.188	4593.681
15.5	4593.614	4571.746	4571.697	4564.676	4567.665
16.0	4569.839	4556.061	4557.629	4549.156	4566.498
16.5	4558.925	4540.376	4539.039	4533.760	4540.108
17.0	4539.796	4522.450	4523.229	4511.478	4528.695
17.5	4520.004	4503.985	4501.486	4493.178	4506.952
18.0	4494.113	4483.279	4484.099	4478.197	4484.295
18.5	4484.402	4472.241	4466.588	4456.453	4459.482
19.0	4459.589	4442.782	4440.986	4440.145	4442.675
19.5	4443.904	4426.598	4424.678	4419.604	4422.923
20.0	4415.648	4406.306	4401.068	4399.602	4397.486
20.5	4404.235	4383.610	4383.971	4379.061	4380.140
21.0	4364.820	4362.116	4358.120	4362.503	4362.004
21.5	4351.291	4342.488	4337.579	4335.864	4337.895
22.0	4333.530	4319.667	4313.844	4312.294	4321.088
22.5	4311.621	4295.143	4291.188	4291.629	4289.428
23.0	4281.788	4273.400	4273.716	4272.166	4278.844
23.5	4264.152	4250.329	4245.874	4247.269	4254.900
24.0	4240.667	4224.478	4224.420	4220.255	4230.666
24.5	4207.929	4200.619	4198.984	4198.801	4201.661
25.0	4186.310	4175.432	4175.000	4172.038	4180.207
25.5	4164.028	4150.909	4149.563	4151.662	4155.061
26.0	4138.302	4125.722	4123.338	4128.756	4133.772
26.5	4108.758	4099.746	4095.786	4100.290	4104.517

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L52-835-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	4086.226	4073.521	4077.651	4075.268	4079.371
27.5	4056.807	4045.555	4046.116	4052.112	4062.852
28.0	4026.185	4017.463	4013.793	4027.754	4027.086
28.5	4001.952	3991.363	3993.417	4001.279	4002.353
29.0	3972.408	3965.138	3962.421	3976.672	3984.507
29.5	3945.644	3935.470	3937.274	3944.099	3950.482
30.0	3917.678	3906.051	3910.136	3923.598	3929.483
30.5	3886.806	3881.153	3885.114	3895.796	3905.663
31.0	3861.245	3848.705	3856.648	3868.409	3871.638
31.5	3827.470	3821.153	3824.864	3841.021	3850.349
32.0	3802.033	3792.148	3795.610	3814.547	3824.164
32.5	3766.141	3760.903	3766.355	3789.939	3796.652
33.0	3739.792	3730.571	3741.872	3759.108	3765.157
33.5	3708.257	3699.450	3706.395	3727.199	3735.778
34.0	3676.597	3668.329	3679.796	3707.112	3710.382
34.5	3644.688	3637.084	3650.003	3673.751	3683.658
35.0	3612.240	3605.175	3619.835	3649.143	3659.589
35.5	3581.783	3572.063	3589.918	3617.773	3626.103
36.0	3549.335	3542.145	3559.875	3588.933	3600.333
36.5	3516.098	3509.447	3529.169	3560.882	3567.635
37.0	3482.737	3478.202	3497.135	3530.300	3538.795
37.5	3448.961	3444.177	3466.428	3503.327	3517.921
38.0	3411.493	3412.143	3436.261	3470.629	3483.107
38.5	3382.902	3378.118	3404.227	3445.233	3456.383
39.0	3346.886	3347.661	3372.193	3413.199	3425.303
39.5	3312.322	3310.856	3339.910	3385.687	3394.886
40.0	3276.595	3279.486	3308.540	3355.644	3366.171
40.5	3241.906	3244.009	3275.054	3322.033	3337.206
41.0	3208.545	3211.186	3244.347	3293.443	3301.729
41.5	3170.038	3176.248	3212.189	3263.276	3269.446
42.0	3134.810	3141.434	3178.703	3229.126	3239.278
42.5	3100.785	3105.169	3144.428	3199.083	3207.783
43.0	3063.856	3072.471	3114.510	3169.704	3182.262
43.5	3029.042	3036.330	3078.908	3136.757	3152.883
44.0	2993.565	3001.392	3046.750	3103.146	3119.273
44.5	2957.299	2966.578	3014.591	3074.431	3090.308
45.0	2921.821	2930.976	2980.316	3041.609	3058.938
45.5	2884.892	2894.046	2946.706	3012.894	3024.913
46.0	2846.635	2859.108	2912.556	2980.072	2995.409
46.5	2811.282	2823.755	2879.733	2946.710	2963.251
47.0	2778.460	2786.701	2845.459	2914.552	2930.428
47.5	2739.664	2749.771	2811.309	2880.816	2898.809
48.0	2703.937	2714.958	2775.707	2848.119	2865.572
48.5	2667.007	2678.567	2741.557	2812.516	2832.211
49.0	2630.078	2642.301	2708.610	2783.138	2800.177
49.5	2589.829	2605.372	2673.796	2747.785	2770.010
50.0	2554.102	2569.645	2639.522	2714.174	2736.773
50.5	2515.845	2533.629	2604.044	2682.140	2704.200
51.0	2477.463	2495.122	2568.442	2645.999	2667.934
51.5	2438.418	2457.279	2532.840	2609.858	2635.361
52.0	2400.575	2419.686	2498.151	2578.238	2600.548
52.5	2362.857	2383.545	2462.549	2545.790	2568.100
53.0	2323.272	2345.038	2427.736	2506.994	2531.834
53.5	2285.554	2308.772	2392.922	2474.172	2499.800
54.0	2245.596	2271.843	2355.868	2436.579	2462.456
54.5	2204.309	2232.548	2318.274	2401.101	2427.767

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L52-835-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	2170.159	2195.079	2284.249	2363.757	2392.415
55.5	2130.201	2156.573	2246.656	2329.068	2357.975
56.0	2091.030	2119.643	2211.967	2293.591	2321.834
56.5	2052.773	2082.589	2173.585	2256.911	2284.904
57.0	2013.728	2044.871	2137.444	2220.106	2249.262
57.5	1974.557	2007.941	2100.515	2181.185	2210.591
58.0	1934.723	1970.223	2063.046	2144.505	2171.256
58.5	1894.225	1931.053	2025.328	2108.489	2134.037
59.0	1856.632	1894.248	1989.187	2070.481	2098.394
59.5	1816.798	1854.414	1952.382	2033.137	2063.541
60.0	1776.175	1815.243	1914.250	1996.707	2025.119
60.5	1737.130	1776.986	1875.992	1958.160	1986.572
61.0	1697.752	1740.306	1840.101	1918.161	1946.573
61.5	1658.508	1700.347	1802.093	1878.701	1907.363
62.0	1618.408	1662.879	1765.288	1840.154	1865.497
62.5	1578.898	1623.169	1728.483	1799.492	1823.632
63.0	1542.085	1586.232	1690.226	1760.157	1783.094
63.5	1501.587	1546.854	1652.094	1718.830	1742.431
64.0	1461.089	1506.821	1611.846	1677.504	1699.902
64.5	1420.459	1467.377	1572.261	1636.020	1657.721
65.0	1379.438	1428.000	1532.801	1594.345	1615.192
65.5	1338.874	1388.821	1494.084	1555.719	1571.493
66.0	1298.310	1349.220	1453.960	1514.518	1531.461
66.5	1257.613	1310.212	1414.264	1471.831	1488.268
67.0	1217.127	1270.884	1373.904	1429.650	1444.017
67.5	1177.185	1231.598	1333.116	1385.241	1401.140
68.0	1136.476	1192.416	1292.180	1342.476	1357.835
68.5	1096.240	1153.167	1252.102	1300.104	1313.788
69.0	1056.111	1114.512	1211.373	1256.563	1269.471
69.5	1016.891	1075.670	1171.229	1213.963	1224.308
70.0	978.319	1037.475	1130.130	1170.078	1180.103
70.5	939.522	998.948	1089.028	1125.703	1136.105
71.0	900.303	960.633	1048.162	1082.240	1092.531
71.5	862.523	922.476	1007.251	1039.794	1049.243
72.0	824.120	884.713	967.054	997.253	1005.926
72.5	786.656	847.240	926.167	954.774	962.203
73.0	749.905	810.282	885.887	912.150	917.201
73.5	712.942	773.295	845.237	869.431	873.885
74.0	676.967	736.835	805.127	826.566	831.609
74.5	641.469	700.732	765.158	784.734	790.002
75.0	606.021	664.969	725.994	743.666	749.470
75.5	571.075	629.720	687.066	704.043	709.345
76.0	536.802	594.775	648.707	664.863	668.215
76.5	503.516	560.684	610.203	624.604	628.833
77.0	470.906	526.963	572.437	584.449	587.064
77.5	438.860	494.059	535.356	546.809	543.921
78.0	407.595	461.350	499.159	507.555	500.314
78.5	377.027	429.339	464.053	467.001	458.940
79.0	347.276	398.000	430.225	427.091	418.989
79.5	318.608	367.332	395.455	389.123	380.938
80.0	291.272	337.653	362.436	352.471	344.012
80.5	264.517	308.870	331.442	317.229	308.949
81.0	239.015	280.680	299.191	283.468	275.459
81.5	214.318	253.689	267.666	251.650	243.652
82.0	191.165	228.346	238.340	221.578	212.439
82.5	169.264	203.679	210.517	192.613	182.872

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L52-835-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	148.605	179.895	184.145	164.619	155.907
83.5	129.422	157.552	159.031	139.292	132.874
84.0	111.402	136.660	135.572	117.815	114.306
84.5	94.726	117.325	113.548	100.658	98.999
85.0	79.435	99.587	93.491	86.090	85.244
85.5	65.543	82.684	76.607	73.322	72.812
86.0	53.128	67.825	63.093	61.562	61.268
86.5	42.245	54.473	51.670	50.994	51.425
87.0	32.614	42.880	41.624	41.902	41.927
87.5	24.539	32.810	33.138	32.918	32.827
88.0	17.917	24.631	25.221	24.660	24.333
88.5	12.705	17.855	17.702	16.523	16.183
89.0	8.734	11.901	11.170	10.398	10.373
89.5	5.714	7.357	6.402	6.680	6.772
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-L52-835-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-L52-835-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-L52-835-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-L52-835-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1750.65	N.A.	13.80
0-30	3674.39	N.A.	29.00
0-40	5942.63	N.A.	47.00
0-60	10283.28	N.A.	81.30
0-80	12525.69	N.A.	99.00
0-90	12655.63	N.A.	100.00
10-90	12198.99	N.A.	96.40
20-40	4191.98	N.A.	33.10
20-50	6494.76	N.A.	51.30
40-70	5835.04	N.A.	46.10
60-80	2242.41	N.A.	17.70
70-80	748.01	N.A.	5.90
80-90	129.94	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	12655.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	456.64
10-20	1294.01
20-30	1923.74
30-40	2268.24
40-50	2302.78
50-60	2037.87
60-70	1494.39
70-80	748.01
80-90	129.94
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-L52-835-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	79	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-L52-835-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

X=2H	Y=2H	18.3	19.9	18.7	20.2	20.5	18.9	20.5	19.3	20.8	21.2
	3H	19.8	21.3	20.2	21.6	22.0	20.6	22.1	21.0	22.4	22.8
	4H	20.3	21.7	20.7	22.0	22.4	21.2	22.5	21.6	22.9	23.3
	6H	20.6	21.8	21.0	22.2	22.6	21.4	22.7	21.8	23.1	23.5
	8H	20.6	21.8	21.0	22.2	22.6	21.5	22.7	21.9	23.1	23.5
	12H	20.6	21.8	21.0	22.2	22.6	21.5	22.6	21.9	23.0	23.4

UGR Viewed Endwise

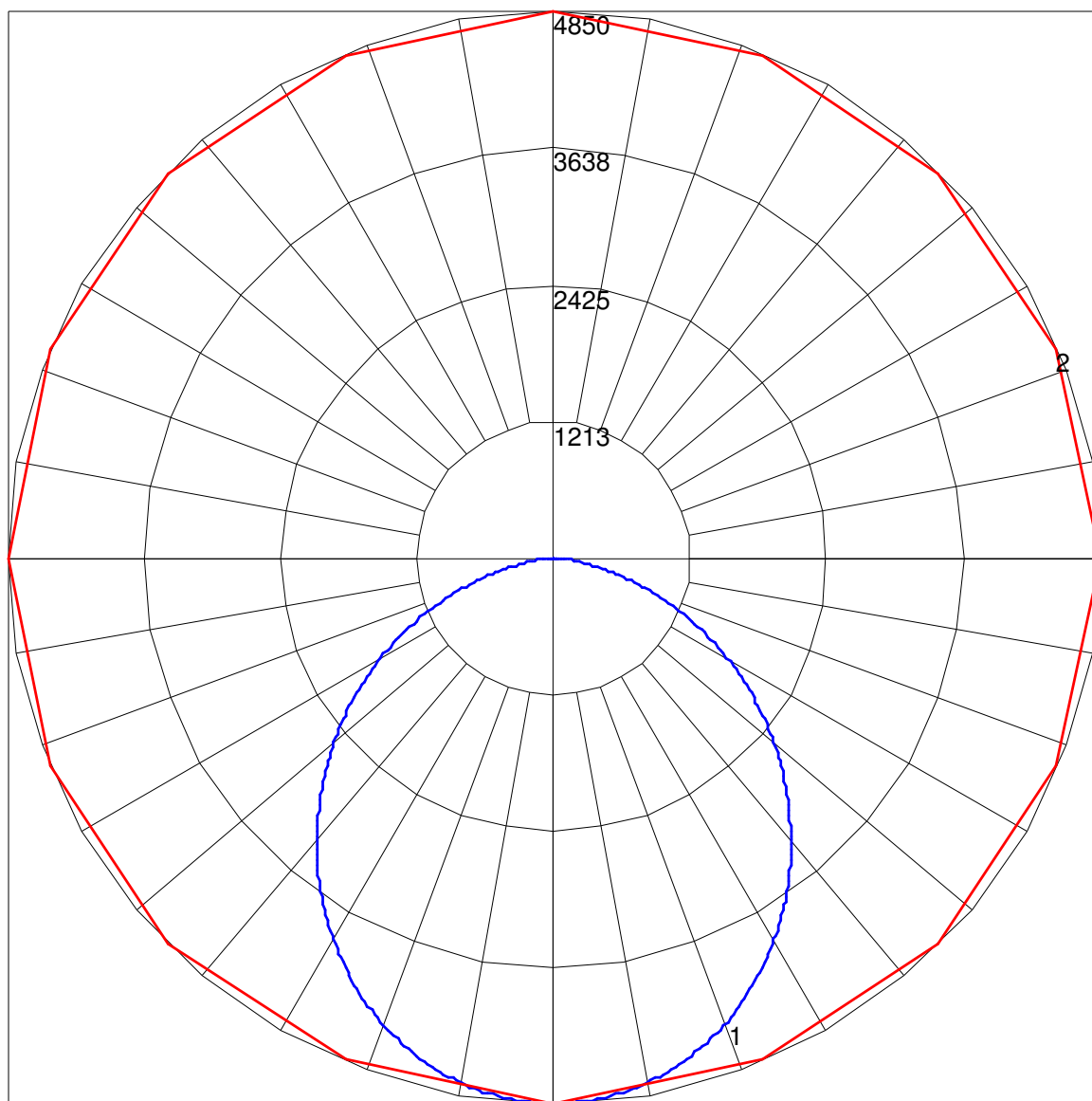
4H	2H	19.0	20.4	19.4	20.7	21.1	19.5	20.8	19.9	21.2	21.6
	3H	20.7	21.9	21.1	22.3	22.7	21.4	22.5	21.8	22.9	23.3
	4H	21.3	22.3	21.7	22.7	23.2	22.0	23.1	22.4	23.5	23.9
	6H	21.7	22.5	22.1	23.0	23.4	22.4	23.3	22.9	23.7	24.2
	8H	21.7	22.6	22.2	23.0	23.5	22.5	23.3	22.9	23.7	24.2
	12H	21.7	22.5	22.2	23.0	23.4	22.5	23.2	23.0	23.7	24.2

8H	4H	21.6	22.4	22.1	22.9	23.3	22.2	23.1	22.7	23.5	24.0
	6H	22.0	22.7	22.5	23.2	23.7	22.7	23.4	23.2	23.9	24.3
	8H	22.1	22.7	22.6	23.2	23.7	22.8	23.4	23.3	23.9	24.4
	12H	22.2	22.7	22.7	23.2	23.8	22.8	23.3	23.3	23.8	24.4

12H	4H	21.6	22.4	22.1	22.8	23.3	22.2	23.0	22.7	23.5	23.9
	6H	22.0	22.7	22.6	23.1	23.7	22.7	23.3	23.2	23.8	24.3
	8H	22.2	22.7	22.7	23.2	23.8	22.8	23.3	23.3	23.8	24.4

Maximum UGR = 24.4

POLAR GRAPH



Maximum Candela = 4850.13 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.)