

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L33-827-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-L33-827-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	12301
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	108.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.32
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	6776	6696	6671
55	6187	6214	6268
65	5325	5538	5638
75	3810	4215	4263
85	1481	1798	1707

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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	4867.870	4867.869	4867.869	4867.869	4867.869
0.5	4869.409	4865.113	4865.358	4860.580	4866.485
1.0	4875.411	4862.518	4871.031	4858.146	4876.215
1.5	4873.137	4859.923	4864.386	4856.362	4872.564
2.0	4871.353	4855.788	4860.734	4858.880	4870.948
2.5	4865.925	4852.060	4855.872	4852.395	4865.267
3.0	4862.763	4857.978	4857.495	4843.154	4857.817
3.5	4864.952	4855.466	4848.576	4844.126	4862.357
4.0	4856.761	4846.953	4845.421	4839.992	4858.789
4.5	4852.710	4847.359	4835.123	4831.401	4848.492
5.0	4848.254	4840.391	4836.340	4824.266	4845.176
5.5	4841.853	4834.067	4827.750	4826.056	4838.936
6.0	4836.095	4824.749	4819.481	4810.736	4832.856
6.5	4825.231	4814.129	4816.648	4807.658	4823.699
7.0	4822.398	4812.751	4803.356	4797.934	4810.240
7.5	4814.290	4803.510	4798.165	4786.909	4804.083
8.0	4805.700	4795.241	4792.576	4777.752	4791.037
8.5	4791.834	4782.761	4777.500	4762.431	4779.529
9.0	4786.084	4774.170	4766.804	4754.086	4772.155
9.5	4778.305	4765.335	4753.995	4745.012	4756.513
10.0	4764.684	4753.421	4745.565	4731.392	4743.389
10.5	4748.308	4742.641	4732.357	4718.506	4728.391
11.0	4731.442	4727.643	4720.682	4703.108	4720.373
11.5	4727.398	4718.080	4702.689	4690.061	4703.430
12.0	4716.051	4705.516	4692.154	4677.015	4685.277
12.5	4705.110	4688.656	4681.457	4660.561	4672.712
13.0	4686.054	4674.553	4663.381	4646.947	4658.049
13.5	4674.141	4660.450	4646.850	4627.493	4646.709
14.0	4659.065	4646.431	4633.558	4609.500	4627.339
14.5	4644.640	4628.760	4614.670	4596.131	4605.288
15.0	4626.885	4612.789	4596.517	4576.760	4587.219
15.5	4615.622	4591.956	4578.685	4557.229	4562.979
16.0	4593.733	4575.502	4561.748	4538.914	4552.457
16.5	4580.686	4559.049	4542.538	4521.166	4526.518
17.0	4561.637	4540.245	4525.518	4498.227	4511.204
17.5	4542.183	4521.601	4502.418	4477.723	4488.104
18.0	4518.510	4500.607	4483.453	4459.248	4463.466
18.5	4505.707	4486.994	4463.922	4436.148	4439.471
19.0	4481.713	4460.159	4438.954	4416.861	4417.917
19.5	4465.259	4441.439	4419.667	4394.006	4396.035
20.0	4438.669	4419.717	4395.917	4370.991	4369.207
20.5	4423.355	4397.506	4375.658	4348.136	4347.814
21.0	4390.434	4375.540	4349.557	4327.716	4325.449
21.5	4373.337	4354.224	4326.703	4300.643	4299.432
22.0	4352.672	4331.447	4302.386	4274.465	4277.879
22.5	4331.433	4306.158	4277.747	4251.044	4246.266
23.0	4302.898	4283.058	4255.788	4227.867	4229.497
23.5	4282.800	4259.147	4228.470	4200.878	4201.619
24.0	4259.616	4233.047	4204.076	4172.105	4175.036
24.5	4228.325	4208.163	4177.248	4147.711	4145.046
25.0	4205.792	4182.468	4151.798	4120.072	4120.652
25.5	4182.854	4157.179	4124.970	4095.356	4092.530
26.0	4157.320	4131.485	4097.169	4069.584	4066.275
26.5	4127.491	4104.817	4068.557	4039.433	4035.151

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CANDELA TABULATION - (Cont.)

27.0	4103.419	4077.017	4046.192	4011.877	4007.029
27.5	4074.156	4049.132	4015.146	3984.972	3984.181
28.0	4044.649	4020.681	3983.127	3957.822	3949.567
28.5	4018.066	3993.447	3958.411	3928.888	3920.717
29.0	3988.236	3965.647	3927.204	3900.605	3897.057
29.5	3960.597	3935.251	3899.082	3867.453	3862.527
30.0	3932.712	3905.988	3869.742	3842.170	3834.978
30.5	3902.072	3878.999	3842.186	3812.425	3807.667
31.0	3874.677	3846.414	3812.035	3781.952	3773.137
31.5	3841.280	3817.802	3779.856	3751.479	3746.882
32.0	3814.452	3787.812	3748.732	3722.545	3716.654
32.5	3779.271	3755.471	3717.609	3694.262	3685.615
33.0	3750.904	3724.669	3689.892	3661.194	3652.141
33.5	3719.857	3692.895	3653.983	3628.447	3620.450
34.0	3688.244	3661.121	3624.483	3602.437	3591.195
34.5	3655.498	3628.781	3593.520	3568.313	3561.127
35.0	3622.912	3596.034	3560.858	3540.029	3532.683
35.5	3591.544	3563.043	3529.329	3507.122	3497.992
36.0	3558.959	3531.514	3497.233	3475.271	3467.036
36.5	3525.401	3497.795	3464.731	3444.392	3433.317
37.0	3491.276	3465.454	3431.418	3412.457	3401.466
37.5	3457.879	3430.924	3398.916	3381.257	3374.484
38.0	3420.754	3397.611	3366.254	3347.538	3338.981
38.5	3390.036	3363.081	3332.941	3318.282	3308.914
39.0	3354.288	3331.712	3299.628	3284.969	3274.712
39.5	3319.919	3294.993	3265.181	3253.930	3240.917
40.0	3282.877	3262.085	3232.274	3221.834	3209.632
40.5	3247.941	3226.177	3197.583	3186.576	3177.214
41.0	3213.817	3191.891	3165.081	3155.858	3141.306
41.5	3174.586	3155.822	3131.201	3123.195	3106.860
42.0	3139.810	3120.319	3096.510	3088.099	3074.197
42.5	3105.280	3083.439	3060.847	3056.003	3040.723
43.0	3067.994	3049.720	3029.317	3024.313	3010.901
43.5	3032.491	3013.406	2992.842	2989.460	2979.211
44.0	2996.583	2977.336	2958.963	2954.203	2943.953
44.5	2959.702	2941.834	2925.083	2922.918	2911.535
45.0	2923.793	2905.359	2889.419	2888.633	2878.628
45.5	2886.507	2868.072	2854.161	2857.348	2844.097
46.0	2848.409	2832.003	2819.065	2823.063	2811.840
46.5	2813.067	2796.661	2784.779	2788.938	2777.961
47.0	2778.782	2758.808	2749.115	2755.058	2743.675
47.5	2740.845	2721.521	2714.019	2719.234	2709.635
48.0	2703.803	2686.019	2677.543	2685.515	2676.077
48.5	2666.516	2648.571	2642.447	2649.040	2641.952
49.0	2629.230	2611.690	2607.594	2617.350	2608.639
49.5	2589.915	2574.404	2572.092	2582.008	2575.977
50.0	2552.873	2537.362	2536.428	2546.750	2542.419
50.5	2514.775	2501.615	2500.520	2513.437	2509.267
51.0	2476.110	2462.383	2464.045	2477.123	2472.386
51.5	2437.040	2423.558	2427.570	2440.809	2439.234
52.0	2398.214	2385.866	2392.634	2406.768	2403.731
52.5	2359.956	2349.552	2356.159	2374.183	2371.146
53.0	2321.046	2310.320	2320.656	2336.246	2334.265
53.5	2282.787	2273.439	2285.153	2301.960	2300.952
54.0	2242.178	2236.153	2247.300	2264.268	2264.393
54.5	2200.757	2195.949	2209.608	2228.360	2229.457

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55.0	2165.660	2158.824	2175.078	2191.801	2194.115
55.5	2125.050	2119.592	2137.385	2156.865	2160.312
56.0	2085.413	2082.306	2102.449	2120.956	2123.998
56.5	2047.315	2044.453	2063.785	2084.803	2086.712
57.0	2008.245	2006.194	2027.471	2048.083	2052.664
57.5	1968.608	1968.907	1990.184	2009.580	2015.294
58.0	1928.565	1930.648	1953.058	1973.427	1977.518
58.5	1888.117	1891.011	1914.800	1937.679	1941.526
59.0	1850.424	1854.291	1878.485	1900.714	1907.478
59.5	1810.382	1814.249	1841.766	1864.155	1874.403
60.0	1769.367	1774.611	1804.234	1829.136	1838.166
60.5	1730.296	1736.514	1766.136	1792.332	1801.362
61.0	1691.023	1700.360	1730.956	1754.150	1763.180
61.5	1651.831	1659.751	1693.991	1715.807	1725.971
62.0	1611.626	1622.625	1657.271	1679.004	1687.139
62.5	1572.271	1583.149	1620.551	1640.416	1648.306
63.0	1536.037	1546.348	1582.453	1602.640	1610.285
63.5	1495.589	1507.075	1544.922	1563.647	1571.698
64.0	1455.140	1466.910	1505.607	1524.653	1532.460
64.5	1414.610	1427.597	1466.697	1485.465	1493.238
65.0	1373.352	1388.323	1428.354	1446.455	1454.000
65.5	1332.863	1349.172	1390.515	1409.554	1414.145
66.0	1292.374	1309.664	1351.766	1371.128	1376.335
66.5	1251.803	1270.763	1313.132	1331.695	1336.692
67.0	1211.412	1231.717	1274.091	1292.474	1296.156
67.5	1171.401	1192.597	1234.937	1251.744	1256.901
68.0	1130.774	1153.689	1195.888	1212.214	1217.532
68.5	1090.731	1114.739	1157.609	1173.170	1177.660
69.0	1050.655	1076.398	1118.981	1133.510	1137.869
69.5	1011.576	1037.991	1080.661	1094.474	1097.364
70.0	973.089	1000.177	1041.660	1054.554	1057.298
70.5	934.367	962.159	1002.902	1014.236	1017.652
71.0	895.288	924.320	964.435	974.673	978.364
71.5	857.531	886.675	926.284	936.074	939.594
72.0	819.295	849.517	888.766	897.564	900.953
72.5	781.927	812.634	850.728	859.338	861.770
73.0	745.191	776.262	813.355	820.973	821.217
73.5	708.277	740.019	775.609	782.698	782.576
74.0	672.457	704.344	738.487	744.285	745.013
74.5	636.977	668.985	701.745	706.650	708.399
75.0	601.724	634.128	665.790	669.874	673.275
75.5	566.925	599.782	630.127	634.962	638.694
76.0	532.832	565.768	594.958	600.763	603.205
76.5	499.832	532.767	559.652	565.316	569.912
77.0	467.295	500.139	525.091	530.080	533.345
77.5	435.495	468.354	491.292	497.655	494.713
78.0	404.368	436.933	458.376	463.116	455.797
78.5	374.060	406.331	426.766	426.851	419.717
79.0	344.594	376.434	396.524	391.421	385.929
79.5	316.134	347.242	364.874	358.551	353.990
80.0	289.028	319.144	335.176	327.221	322.983
80.5	262.472	291.987	307.894	297.342	293.654
81.0	237.174	265.437	278.812	268.711	265.728
81.5	212.661	240.160	250.420	241.856	238.929
82.0	189.680	216.626	224.451	216.412	211.954
82.5	167.956	193.554	200.087	191.301	185.151

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CANDELA TABULATION - (Cont.)

83.0	147.432	171.365	177.101	165.901	159.987
83.5	128.399	150.498	155.129	142.181	137.816
84.0	110.469	131.009	134.414	121.598	119.747
84.5	93.949	113.109	114.478	104.980	104.751
85.0	78.766	96.724	95.646	90.730	90.801
85.5	64.978	80.997	79.490	77.874	77.905
86.0	52.681	67.256	66.374	65.683	65.650
86.5	41.859	54.876	54.928	54.466	55.122
87.0	32.294	43.965	44.521	44.740	44.853
87.5	24.318	34.229	35.459	34.982	34.828
88.0	17.720	26.042	26.893	25.912	25.467
88.5	12.572	19.006	18.569	16.868	16.366
89.0	8.625	12.571	11.340	10.181	10.068
89.5	5.601	7.587	6.120	6.339	6.493
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-L33-827-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-L33-827-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-L33-827-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1754.44	N.A.	14.30
0-30	3667.22	N.A.	29.80
0-40	5898.36	N.A.	47.90
0-60	10076.67	N.A.	81.90
0-80	12174.32	N.A.	99.00
0-90	12301.22	N.A.	100.00
10-90	11842.43	N.A.	96.30
20-40	4143.92	N.A.	33.70
20-50	6377.61	N.A.	51.80
40-70	5580.89	N.A.	45.40
60-80	2097.66	N.A.	17.10
70-80	695.06	N.A.	5.70
80-90	126.89	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	12301.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	458.79
10-20	1295.65
20-30	1912.77
30-40	2231.15
40-50	2233.69
50-60	1944.62
60-70	1402.59
70-80	695.06
80-90	126.89
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-L33-827-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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L33-827-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

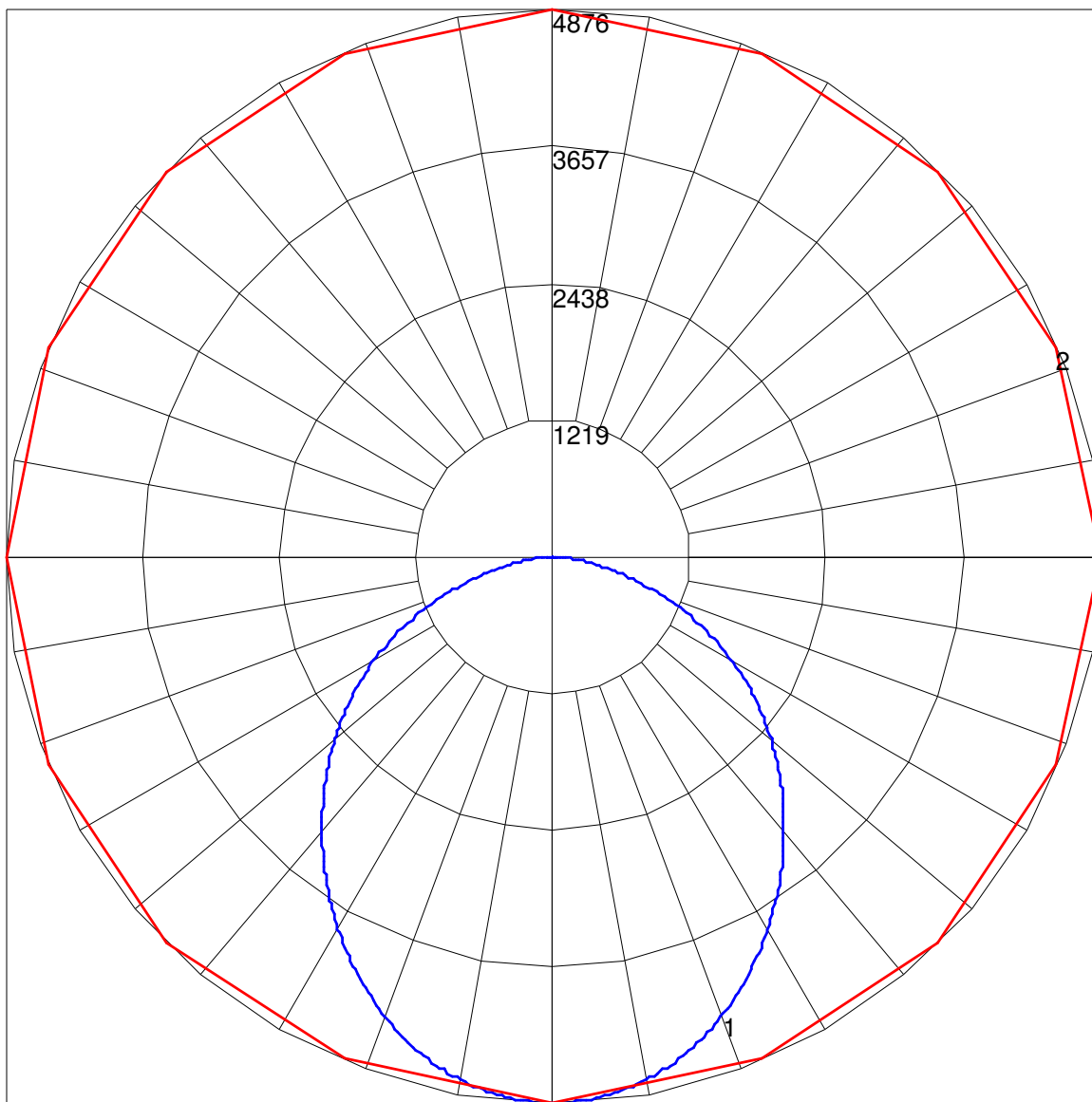
X=2H	Y=2H	18.3	19.9	18.7	20.2	20.5	18.5	20.1	18.8	20.4	20.7
	3H	19.8	21.3	20.2	21.6	22.0	20.1	21.5	20.5	21.9	22.2
	4H	20.3	21.7	20.7	22.0	22.4	20.6	22.0	21.0	22.3	22.7
	6H	20.5	21.8	21.0	22.2	22.6	20.9	22.2	21.3	22.5	22.9
	8H	20.6	21.8	21.0	22.2	22.6	21.0	22.1	21.4	22.5	22.9
	12H	20.6	21.7	21.0	22.1	22.5	20.9	22.1	21.4	22.5	22.9

UGR Viewed Endwise

4H	2H	18.9	20.3	19.3	20.6	21.0	19.0	20.4	19.4	20.7	21.1
	3H	20.6	21.8	21.1	22.2	22.6	20.9	22.0	21.3	22.4	22.8
	4H	21.2	22.2	21.6	22.6	23.1	21.5	22.5	21.9	22.9	23.4
	6H	21.5	22.4	22.0	22.9	23.3	21.9	22.8	22.3	23.2	23.6
	8H	21.6	22.4	22.1	22.9	23.3	21.9	22.8	22.4	23.2	23.7
	12H	21.6	22.4	22.1	22.9	23.3	21.9	22.7	22.4	23.2	23.6
8H	4H	21.4	22.3	21.9	22.7	23.2	21.7	22.5	22.2	23.0	23.4
	6H	21.9	22.6	22.4	23.0	23.5	22.2	22.8	22.6	23.3	23.8
	8H	22.0	22.6	22.5	23.1	23.6	22.2	22.9	22.8	23.4	23.9
	12H	22.0	22.6	22.5	23.1	23.6	22.3	22.8	22.8	23.3	23.9
12H	4H	21.5	22.2	21.9	22.7	23.1	21.7	22.4	22.2	22.9	23.4
	6H	21.9	22.5	22.4	23.0	23.5	22.2	22.8	22.7	23.2	23.8
	8H	22.0	22.6	22.5	23.1	23.6	22.3	22.8	22.8	23.3	23.9

Maximum UGR = 23.9

POLAR GRAPH



Maximum Candela = 4876.215 Located At Horizontal Angle = 90, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)