

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L33-850-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-L33-850-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	13443
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	7404	7317	7290
55	6761	6791	6850
65	5819	6052	6161
75	4163	4606	4658
85	1618	1965	1866

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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	5319.527	5319.527	5319.527	5319.527	5319.527
0.5	5321.209	5316.516	5316.783	5311.562	5318.014
1.0	5327.768	5313.679	5322.983	5308.901	5328.648
1.5	5325.284	5310.843	5315.720	5306.952	5324.657
2.0	5323.335	5306.325	5311.730	5309.704	5322.891
2.5	5317.402	5302.251	5306.417	5302.617	5316.684
3.0	5313.947	5308.718	5308.190	5292.519	5308.542
3.5	5316.340	5305.974	5298.444	5293.581	5313.504
4.0	5307.388	5296.670	5294.996	5289.063	5309.605
4.5	5302.962	5297.113	5283.743	5279.676	5298.352
5.0	5298.092	5289.499	5285.073	5271.878	5294.728
5.5	5291.097	5282.588	5275.685	5273.835	5287.909
6.0	5284.805	5272.406	5266.649	5257.093	5281.266
6.5	5272.933	5260.801	5263.553	5253.729	5271.259
7.0	5269.837	5259.295	5249.028	5243.103	5256.551
7.5	5260.977	5249.197	5243.356	5231.055	5249.823
8.0	5251.589	5240.161	5237.248	5221.048	5235.566
8.5	5236.438	5226.522	5220.773	5204.306	5222.990
9.0	5230.154	5217.135	5209.084	5195.186	5214.933
9.5	5221.653	5207.479	5195.087	5185.271	5197.839
10.0	5206.769	5194.461	5185.875	5170.387	5183.497
10.5	5188.872	5182.680	5171.442	5156.305	5167.107
11.0	5170.441	5166.290	5158.683	5139.479	5158.346
11.5	5166.022	5155.840	5139.021	5125.222	5139.831
12.0	5153.623	5142.110	5127.508	5110.964	5119.993
12.5	5141.666	5123.686	5115.819	5092.984	5106.263
13.0	5120.843	5108.274	5096.065	5078.107	5090.240
13.5	5107.824	5092.863	5078.001	5056.848	5077.847
14.0	5091.349	5077.543	5063.476	5037.185	5056.679
14.5	5075.586	5058.232	5042.835	5022.576	5032.583
15.0	5056.184	5040.780	5022.997	5001.408	5012.837
15.5	5043.876	5018.014	5003.511	4980.064	4986.348
16.0	5019.956	5000.034	4985.003	4960.050	4974.850
16.5	5005.698	4982.053	4964.011	4940.656	4946.504
17.0	4984.882	4961.504	4945.411	4915.589	4929.769
17.5	4963.622	4941.131	4920.169	4893.182	4904.527
18.0	4937.753	4918.190	4899.444	4872.992	4877.602
18.5	4923.763	4903.313	4878.100	4847.750	4851.381
19.0	4897.542	4873.988	4850.816	4826.673	4827.827
19.5	4879.561	4853.531	4829.740	4801.698	4803.915
20.0	4850.504	4829.794	4803.786	4776.547	4774.597
20.5	4833.770	4805.522	4781.647	4751.571	4751.220
21.0	4797.794	4781.518	4753.125	4729.256	4726.779
21.5	4779.110	4758.225	4728.149	4699.672	4698.349
22.0	4756.528	4733.334	4701.576	4671.065	4674.795
22.5	4733.319	4705.698	4674.652	4645.471	4640.249
23.0	4702.136	4680.455	4650.655	4620.144	4621.924
23.5	4680.173	4654.326	4620.802	4590.650	4591.460
24.0	4654.839	4625.804	4594.145	4559.208	4562.410
24.5	4620.644	4598.611	4564.828	4532.551	4529.638
25.0	4596.021	4570.533	4537.017	4502.346	4502.981
25.5	4570.954	4542.897	4507.699	4475.338	4472.249
26.0	4543.051	4514.818	4477.319	4447.174	4443.558
26.5	4510.454	4485.677	4446.052	4414.226	4409.547

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CANDELA TABULATION - (Cont.)

27.0	4484.148	4455.297	4421.612	4384.113	4378.815
27.5	4452.171	4424.825	4387.685	4354.712	4353.847
28.0	4419.926	4393.734	4352.696	4325.043	4316.022
28.5	4390.876	4363.973	4325.687	4293.424	4284.495
29.0	4358.279	4333.593	4291.584	4262.517	4258.640
29.5	4328.075	4300.377	4260.852	4226.288	4220.906
30.0	4297.603	4268.400	4228.790	4198.660	4190.801
30.5	4264.119	4238.906	4198.678	4166.155	4160.956
31.0	4234.183	4203.298	4165.729	4132.855	4123.222
31.5	4197.687	4172.031	4130.564	4099.554	4094.531
32.0	4168.370	4139.258	4096.553	4067.936	4061.498
32.5	4129.925	4103.917	4062.541	4037.028	4027.579
33.0	4098.926	4070.257	4032.253	4000.892	3990.999
33.5	4064.999	4035.535	3993.013	3965.107	3956.368
34.0	4030.452	4000.813	3960.775	3936.684	3924.398
34.5	3994.668	3965.472	3926.940	3899.393	3891.541
35.0	3959.059	3929.687	3891.247	3868.486	3860.458
35.5	3924.780	3893.635	3856.792	3832.525	3822.548
36.0	3889.171	3859.180	3821.718	3797.719	3788.720
36.5	3852.500	3822.333	3786.201	3763.975	3751.873
37.0	3815.209	3786.991	3749.797	3729.077	3717.066
37.5	3778.713	3749.257	3714.280	3694.982	3687.580
38.0	3738.143	3712.853	3678.587	3658.134	3648.784
38.5	3704.575	3675.119	3642.183	3626.164	3615.927
39.0	3665.511	3640.840	3605.779	3589.760	3578.552
39.5	3627.953	3600.714	3568.136	3555.840	3541.620
40.0	3587.474	3564.753	3532.176	3520.767	3507.433
40.5	3549.297	3525.513	3494.266	3482.237	3472.008
41.0	3512.006	3488.046	3458.749	3448.670	3432.767
41.5	3469.135	3448.630	3421.725	3412.977	3395.125
42.0	3431.133	3409.834	3383.815	3374.623	3359.432
42.5	3393.399	3369.531	3344.843	3339.549	3322.852
43.0	3352.653	3332.684	3310.388	3304.919	3290.263
43.5	3313.856	3293.000	3270.529	3266.833	3255.632
44.0	3274.616	3253.584	3233.506	3228.304	3217.103
44.5	3234.313	3214.787	3196.482	3194.117	3181.677
45.0	3195.073	3174.928	3157.510	3156.650	3145.717
45.5	3154.327	3134.182	3118.981	3122.463	3107.983
46.0	3112.694	3094.766	3080.627	3084.996	3072.733
46.5	3074.073	3056.145	3043.161	3047.706	3035.710
47.0	3036.607	3014.780	3004.188	3010.682	2998.243
47.5	2995.150	2974.034	2965.835	2971.534	2961.044
48.0	2954.671	2935.237	2925.975	2934.687	2924.373
48.5	2913.925	2894.315	2887.622	2894.827	2887.082
49.0	2873.179	2854.012	2849.536	2860.197	2850.678
49.5	2830.216	2813.266	2810.739	2821.576	2814.985
50.0	2789.738	2772.788	2771.767	2783.047	2778.313
50.5	2748.105	2733.723	2732.527	2746.643	2742.085
51.0	2705.853	2690.852	2692.667	2706.959	2701.782
51.5	2663.157	2648.424	2652.808	2667.276	2665.554
52.0	2620.729	2607.235	2614.631	2630.077	2626.758
52.5	2578.920	2567.551	2574.771	2594.468	2591.149
53.0	2536.401	2524.680	2535.975	2553.011	2550.846
53.5	2494.592	2484.377	2497.178	2515.544	2514.442
54.0	2450.215	2443.631	2455.812	2474.355	2474.491
54.5	2404.951	2399.697	2414.623	2435.115	2436.314

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55.0	2366.597	2359.127	2376.889	2395.164	2397.693
55.5	2322.220	2316.255	2335.699	2356.986	2360.754
56.0	2278.905	2275.509	2297.522	2317.746	2321.070
56.5	2237.273	2234.144	2255.270	2278.239	2280.324
57.0	2194.577	2192.335	2215.586	2238.112	2243.118
57.5	2151.262	2151.589	2174.840	2196.036	2202.280
58.0	2107.504	2109.781	2134.270	2156.528	2160.999
58.5	2063.303	2066.466	2092.461	2117.464	2121.667
59.0	2022.113	2026.339	2052.778	2077.069	2084.461
59.5	1978.355	1982.581	2012.651	2037.118	2048.317
60.0	1933.535	1939.266	1971.637	1998.849	2008.717
60.5	1890.839	1897.633	1930.005	1958.631	1968.499
61.0	1847.922	1858.126	1891.560	1916.906	1926.774
61.5	1805.093	1813.748	1851.165	1875.006	1886.113
62.0	1761.158	1773.178	1811.038	1834.787	1843.677
62.5	1718.152	1730.039	1770.912	1792.620	1801.242
63.0	1678.556	1689.824	1729.279	1751.338	1759.693
63.5	1634.354	1646.907	1688.265	1708.727	1717.525
64.0	1590.153	1603.016	1645.302	1666.116	1674.647
64.5	1545.863	1560.054	1602.783	1623.292	1631.786
65.0	1500.776	1517.137	1560.882	1580.663	1588.907
65.5	1456.530	1474.353	1519.531	1540.338	1545.354
66.0	1412.285	1431.179	1477.188	1498.346	1504.037
66.5	1367.950	1388.669	1434.969	1455.255	1460.715
67.0	1323.811	1346.000	1392.306	1412.394	1416.418
67.5	1280.088	1303.251	1349.519	1367.885	1373.521
68.0	1235.691	1260.732	1306.847	1324.687	1330.499
68.5	1191.932	1218.169	1265.016	1282.021	1286.928
69.0	1148.138	1176.270	1222.804	1238.681	1243.444
69.5	1105.434	1134.300	1180.928	1196.023	1199.181
70.0	1063.376	1092.977	1138.309	1152.399	1155.397
70.5	1021.061	1051.432	1095.954	1108.340	1112.074
71.0	978.357	1010.082	1053.919	1065.106	1069.140
71.5	937.096	968.944	1012.228	1022.926	1026.773
72.0	895.313	928.338	971.228	980.843	984.547
72.5	854.477	888.033	929.661	939.070	941.728
73.0	814.333	848.286	888.821	897.146	897.412
73.5	773.993	808.681	847.573	855.319	855.186
74.0	734.849	769.695	807.006	813.342	814.138
74.5	696.078	731.055	766.856	772.216	774.126
75.0	657.554	692.964	727.565	732.028	735.744
75.5	619.527	655.431	688.592	693.877	697.954
76.0	582.270	618.262	650.161	656.504	659.172
76.5	546.208	582.199	611.578	617.768	622.790
77.0	510.652	546.543	573.811	579.262	582.831
77.5	475.902	511.809	536.876	543.830	540.614
78.0	441.887	477.473	500.906	506.086	498.087
78.5	408.766	444.032	466.362	466.456	458.659
79.0	376.567	411.361	433.315	427.738	421.737
79.5	345.466	379.460	398.728	391.819	386.834
80.0	315.845	348.756	366.275	357.582	352.950
80.5	286.825	319.078	336.461	324.930	320.900
81.0	259.179	290.065	304.682	293.643	290.383
81.5	232.392	262.443	273.655	264.296	261.098
82.0	207.280	236.725	245.277	236.491	231.620
82.5	183.540	211.512	218.652	209.051	202.330

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83.0	161.111	187.265	193.534	181.294	174.831
83.5	140.312	164.462	169.523	155.373	150.603
84.0	120.718	143.164	146.885	132.881	130.858
84.5	102.666	123.603	125.100	114.721	114.470
85.0	86.074	105.699	104.520	99.148	99.226
85.5	71.007	88.512	86.865	85.099	85.134
86.0	57.569	73.496	72.532	71.778	71.742
86.5	45.743	59.968	60.025	59.519	60.236
87.0	35.291	48.044	48.652	48.891	49.015
87.5	26.574	37.405	38.749	38.227	38.059
88.0	19.364	28.458	29.388	28.317	27.830
88.5	13.739	20.770	20.292	18.433	17.884
89.0	9.425	13.738	12.392	11.126	11.002
89.5	6.121	8.291	6.688	6.928	7.096
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-L33-850-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-L33-850-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1917.23	N.A.	14.30
0-30	4007.47	N.A.	29.80
0-40	6445.63	N.A.	47.90
0-60	11011.62	N.A.	81.90
0-80	13303.9	N.A.	99.00
0-90	13442.57	N.A.	100.00
10-90	12941.21	N.A.	96.30
20-40	4528.41	N.A.	33.70
20-50	6969.34	N.A.	51.80
40-70	6098.71	N.A.	45.40
60-80	2292.28	N.A.	17.10
70-80	759.56	N.A.	5.70
80-90	138.67	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	13442.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	501.36
10-20	1415.87
20-30	2090.25
30-40	2438.16
40-50	2440.94
50-60	2125.04
60-70	1532.73
70-80	759.56
80-90	138.67
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-L33-850-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	81	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	48	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-L33-850-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	18.6	20.2	19.0	20.5	20.8	UGR Viewed Endwise			
	3H	20.1	21.6	20.5	21.9	22.3	18.8	20.4	19.1	20.7
	4H	20.6	22.0	21.0	22.3	22.7	20.4	21.8	20.8	22.2
	6H	20.8	22.1	21.3	22.5	22.9	20.9	22.3	21.3	22.6
	8H	20.9	22.1	21.3	22.5	22.9	21.2	22.5	21.6	22.8
	12H	20.9	22.0	21.3	22.4	22.8	21.3	22.4	21.7	22.8

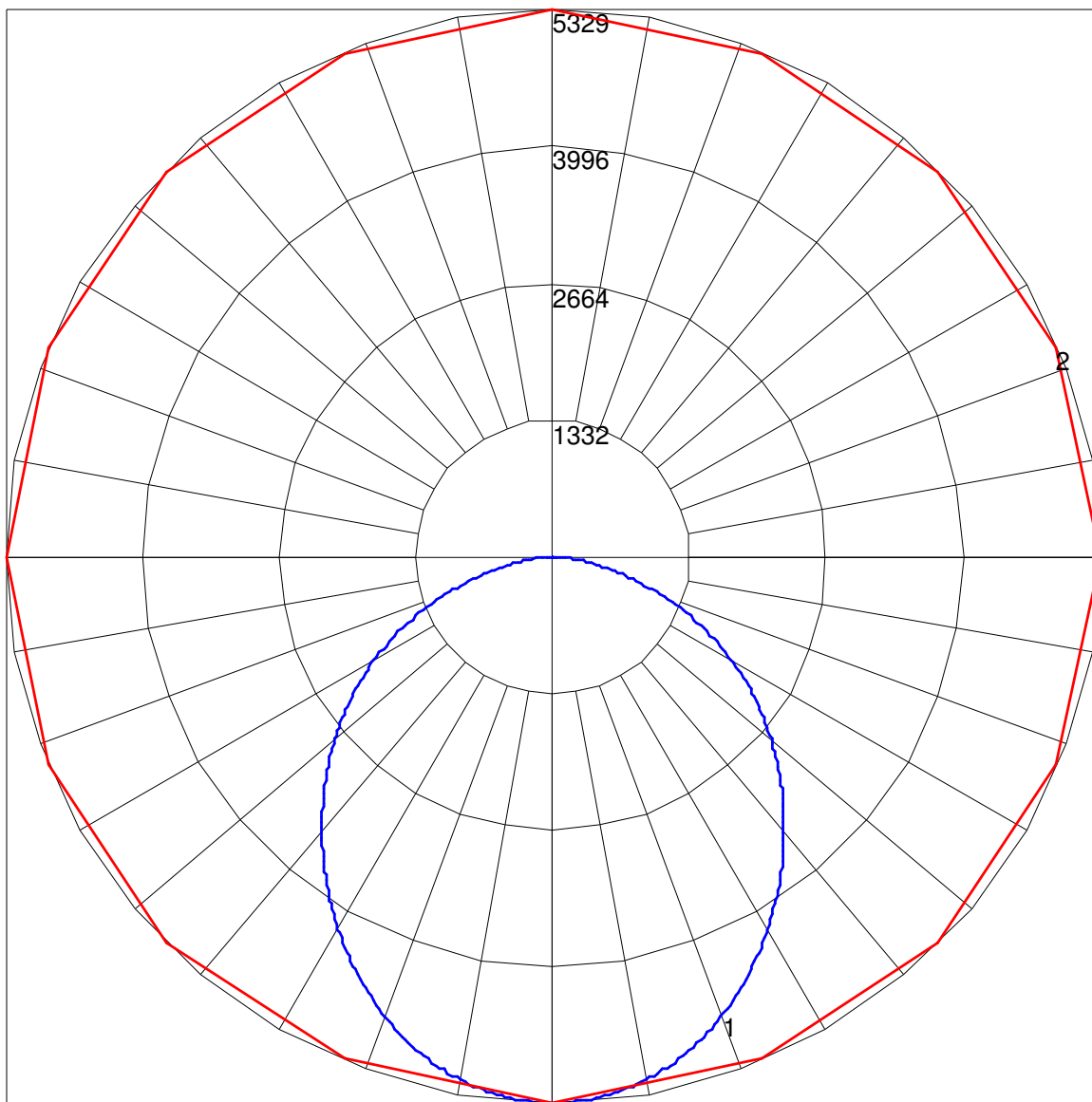
4H	2H	19.2	20.6	19.6	20.9	21.3	19.3	20.7	19.7	21.0
	3H	20.9	22.1	21.4	22.5	22.9	21.2	22.3	21.6	22.7
	4H	21.5	22.5	21.9	22.9	23.4	21.8	22.8	22.2	23.2
	6H	21.8	22.7	22.3	23.2	23.6	22.2	23.1	22.6	23.5
	8H	21.9	22.7	22.4	23.2	23.6	22.2	23.1	22.7	23.5
	12H	21.9	22.7	22.4	23.2	23.6	22.2	23.0	22.7	23.5

8H	4H	21.7	22.6	22.2	23.0	23.5	22.0	22.8	22.5	23.3
	6H	22.2	22.9	22.7	23.3	23.8	22.5	23.1	22.9	23.6
	8H	22.3	22.9	22.8	23.4	23.9	22.5	23.2	23.1	23.7
	12H	22.3	22.9	22.8	23.4	23.9	22.6	23.1	23.1	23.6

12H	4H	21.8	22.5	22.2	23.0	23.4	22.0	22.7	22.5	23.2
	6H	22.2	22.8	22.7	23.3	23.8	22.5	23.1	23.0	23.5
	8H	22.3	22.9	22.8	23.4	23.9	22.6	23.1	23.1	23.6

Maximum UGR = 24.2

POLAR GRAPH



Maximum Candela = 5328.648 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.)