

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L33-835-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-L33-835-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	12682
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	6985	6903	6877
55	6379	6406	6462
65	5490	5710	5812
75	3928	4346	4395
85	1527	1854	1760

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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	5018.422	5018.422	5018.422	5018.422	5018.422
0.5	5020.009	5015.581	5015.833	5010.907	5016.994
1.0	5026.197	5012.905	5021.682	5008.397	5027.026
1.5	5023.853	5010.229	5014.831	5006.558	5023.262
2.0	5022.014	5005.967	5011.066	5009.155	5021.595
2.5	5016.417	5002.123	5006.054	5002.469	5015.740
3.0	5013.157	5008.225	5007.727	4992.942	5008.059
3.5	5015.415	5005.635	4998.532	4993.945	5012.739
4.0	5006.970	4996.859	4995.279	4989.682	5009.061
4.5	5002.794	4997.277	4984.663	4980.826	4998.445
5.0	4998.200	4990.094	4985.918	4973.470	4995.027
5.5	4991.601	4983.574	4977.061	4975.316	4988.593
6.0	4985.665	4973.968	4968.537	4959.522	4982.326
6.5	4974.465	4963.020	4965.616	4956.348	4972.886
7.0	4971.544	4961.599	4951.913	4946.324	4959.010
7.5	4963.186	4952.072	4946.562	4934.958	4952.663
8.0	4954.329	4943.548	4940.800	4925.517	4939.213
8.5	4940.036	4930.681	4925.258	4909.723	4927.349
9.0	4934.107	4921.825	4914.231	4901.119	4919.748
9.5	4926.087	4912.716	4901.026	4891.765	4903.622
10.0	4912.046	4900.434	4892.335	4877.723	4890.092
10.5	4895.163	4889.321	4878.719	4864.439	4874.630
11.0	4877.775	4873.858	4866.682	4848.565	4866.364
11.5	4873.606	4864.000	4848.133	4835.115	4848.897
12.0	4861.908	4851.047	4837.272	4821.665	4830.182
12.5	4850.629	4833.666	4826.245	4804.702	4817.229
13.0	4830.984	4819.127	4807.609	4790.667	4802.113
13.5	4818.702	4804.588	4790.567	4770.611	4790.422
14.0	4803.160	4790.135	4776.864	4752.062	4770.452
14.5	4788.289	4771.917	4757.392	4738.280	4747.720
15.0	4769.985	4755.452	4738.677	4718.310	4729.091
15.5	4758.373	4733.975	4720.294	4698.174	4704.102
16.0	4735.807	4717.013	4702.833	4679.293	4693.255
16.5	4722.357	4700.050	4683.029	4660.996	4666.513
17.0	4702.719	4680.664	4665.482	4637.348	4650.726
17.5	4682.662	4661.445	4641.669	4616.209	4626.912
18.0	4658.257	4639.802	4622.117	4597.163	4601.511
18.5	4645.059	4625.767	4601.981	4573.349	4576.774
19.0	4620.322	4598.102	4576.242	4553.465	4554.554
19.5	4603.360	4578.803	4556.358	4529.904	4531.995
20.0	4575.947	4556.410	4531.873	4506.176	4504.337
20.5	4560.160	4533.512	4510.988	4482.615	4482.283
21.0	4526.221	4510.866	4484.080	4461.563	4459.226
21.5	4508.595	4488.891	4460.518	4433.652	4432.405
22.0	4487.291	4465.409	4435.449	4406.665	4410.184
22.5	4465.395	4439.338	4410.049	4382.519	4377.593
23.0	4435.978	4415.524	4387.410	4358.626	4360.306
23.5	4415.258	4390.873	4359.248	4330.802	4331.566
24.0	4391.357	4363.966	4334.099	4301.139	4304.161
24.5	4359.098	4338.313	4306.441	4275.991	4273.243
25.0	4335.868	4311.823	4280.204	4247.497	4248.095
25.5	4312.220	4285.752	4252.546	4222.017	4219.103
26.0	4285.897	4259.262	4223.886	4195.448	4192.036
26.5	4255.145	4231.770	4194.389	4164.364	4159.950

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CANDELA TABULATION - (Cont.)

27.0	4230.329	4203.110	4171.332	4135.956	4130.958
27.5	4200.161	4174.363	4139.326	4108.219	4107.403
28.0	4169.741	4145.032	4106.317	4080.229	4071.718
28.5	4142.336	4116.956	4080.837	4050.400	4041.976
29.0	4111.584	4088.296	4048.664	4021.242	4017.585
29.5	4083.089	4056.960	4019.672	3987.065	3981.987
30.0	4054.343	4026.792	3989.425	3961.000	3953.586
30.5	4022.754	3998.968	3961.017	3930.335	3925.430
31.0	3994.512	3965.375	3929.933	3898.920	3889.832
31.5	3960.082	3935.878	3896.758	3867.504	3862.765
32.0	3932.424	3904.960	3864.672	3837.675	3831.602
32.5	3896.156	3871.619	3832.586	3808.517	3799.603
33.0	3866.911	3839.865	3804.012	3774.426	3765.093
33.5	3834.904	3807.109	3766.993	3740.667	3732.423
34.0	3802.314	3774.352	3736.580	3713.853	3702.262
34.5	3768.554	3741.011	3704.660	3678.673	3671.265
35.0	3734.961	3707.252	3670.987	3649.515	3641.941
35.5	3702.623	3673.240	3638.483	3615.590	3606.177
36.0	3669.029	3640.736	3605.395	3582.754	3574.264
36.5	3634.434	3605.974	3571.888	3550.920	3539.502
37.0	3599.254	3572.633	3537.544	3517.997	3506.666
37.5	3564.824	3537.035	3504.038	3485.832	3478.849
38.0	3526.550	3502.692	3470.365	3451.070	3442.249
38.5	3494.882	3467.094	3436.021	3420.909	3411.252
39.0	3458.029	3434.755	3401.678	3386.566	3375.992
39.5	3422.597	3396.900	3366.166	3354.567	3341.151
40.0	3384.410	3362.974	3332.241	3321.478	3308.899
40.5	3348.393	3325.956	3296.477	3285.130	3275.479
41.0	3313.213	3290.610	3262.970	3253.462	3238.460
41.5	3272.769	3253.425	3228.043	3219.789	3202.948
42.0	3236.918	3216.824	3192.279	3183.607	3169.275
42.5	3201.320	3178.803	3155.512	3150.518	3134.766
43.0	3162.880	3144.041	3123.008	3117.848	3104.021
43.5	3126.279	3106.604	3085.405	3081.918	3071.351
44.0	3089.260	3069.419	3050.477	3045.570	3035.003
44.5	3051.239	3032.818	3015.549	3013.318	3001.582
45.0	3014.220	2995.215	2978.783	2977.972	2967.657
45.5	2975.780	2956.775	2942.435	2945.720	2932.059
46.0	2936.504	2919.591	2906.252	2910.374	2898.805
46.5	2900.069	2883.156	2870.906	2875.194	2863.877
47.0	2864.723	2844.132	2834.140	2840.266	2828.531
47.5	2825.613	2805.692	2797.957	2803.334	2793.438
48.0	2787.426	2769.091	2760.354	2768.572	2758.842
48.5	2748.986	2730.486	2724.172	2730.969	2723.662
49.0	2710.546	2692.464	2688.242	2698.299	2689.319
49.5	2670.015	2654.025	2651.641	2661.864	2655.646
50.0	2631.828	2615.837	2614.874	2625.516	2621.050
50.5	2592.552	2578.984	2577.855	2591.172	2586.873
51.0	2552.691	2538.540	2540.252	2553.735	2548.851
51.5	2512.412	2498.513	2502.649	2516.298	2514.674
52.0	2472.386	2459.655	2466.633	2481.205	2478.073
52.5	2432.944	2422.218	2429.030	2447.611	2444.480
53.0	2392.831	2381.773	2392.429	2408.501	2406.458
53.5	2353.389	2343.752	2355.828	2373.155	2372.115
54.0	2311.523	2305.312	2316.804	2334.297	2334.426
54.5	2268.821	2263.865	2277.946	2297.278	2298.409

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55.0	2232.639	2225.591	2242.348	2259.588	2261.974
55.5	2190.774	2185.147	2203.490	2223.572	2227.126
56.0	2149.911	2146.707	2167.474	2186.553	2189.689
56.5	2110.634	2107.683	2127.613	2149.282	2151.249
57.0	2070.356	2068.241	2090.176	2111.426	2116.149
57.5	2029.493	2029.801	2051.736	2071.732	2077.623
58.0	1988.212	1990.359	2013.462	2034.460	2038.678
58.5	1946.512	1949.496	1974.020	1997.607	2001.573
59.0	1907.654	1911.641	1936.583	1959.499	1966.472
59.5	1866.373	1870.359	1898.727	1921.810	1932.374
60.0	1824.089	1829.496	1860.035	1885.707	1895.016
60.5	1783.810	1790.220	1820.759	1847.765	1857.074
61.0	1743.323	1752.949	1784.490	1808.402	1817.712
61.5	1702.918	1711.083	1746.382	1768.873	1779.351
62.0	1661.470	1672.810	1708.527	1730.932	1739.318
62.5	1620.898	1632.113	1670.671	1691.151	1699.285
63.0	1583.543	1594.173	1631.395	1652.206	1660.088
63.5	1541.844	1553.686	1592.703	1612.007	1620.307
64.0	1500.144	1512.279	1552.172	1571.807	1579.855
64.5	1458.361	1471.749	1512.059	1531.408	1539.421
65.0	1415.827	1431.261	1472.530	1491.191	1498.969
65.5	1374.085	1390.899	1433.520	1453.149	1457.882
66.0	1332.344	1350.169	1393.573	1413.534	1418.902
66.5	1290.519	1310.065	1353.744	1372.882	1378.033
67.0	1248.878	1269.811	1313.496	1332.447	1336.243
67.5	1207.630	1229.482	1273.131	1290.457	1295.774
68.0	1165.746	1189.370	1232.874	1249.705	1255.188
68.5	1124.465	1149.216	1193.411	1209.454	1214.083
69.0	1083.149	1109.688	1153.588	1168.567	1173.061
69.5	1042.862	1070.094	1114.083	1128.323	1131.303
70.0	1003.185	1031.110	1073.876	1087.169	1089.997
70.5	963.265	991.917	1033.919	1045.604	1049.126
71.0	922.978	952.907	994.263	1004.817	1008.623
71.5	884.053	914.098	954.932	965.025	968.654
72.0	844.634	875.791	916.253	925.324	928.818
72.5	806.110	837.767	877.039	885.915	888.423
73.0	768.238	800.270	838.510	846.364	846.615
73.5	730.182	762.906	799.597	806.905	806.779
74.0	693.254	726.128	761.327	767.304	768.055
74.5	656.677	689.675	723.449	728.505	730.308
75.0	620.334	653.740	686.382	690.592	694.098
75.5	584.459	618.332	649.616	654.601	658.447
76.0	549.311	583.266	613.359	619.344	621.861
76.5	515.291	549.244	576.961	582.800	587.538
77.0	481.747	515.607	541.331	546.474	549.841
77.5	448.964	482.839	506.486	513.047	510.014
78.0	416.874	450.446	472.553	477.440	469.894
78.5	385.629	418.898	439.964	440.053	432.698
79.0	355.252	388.076	408.788	403.527	397.865
79.5	325.911	357.981	376.159	369.640	364.938
80.0	297.967	329.015	345.543	337.341	332.972
80.5	270.590	301.017	317.416	306.538	302.736
81.0	244.509	273.647	287.435	277.022	273.946
81.5	219.238	247.588	258.165	249.336	246.319
82.0	195.547	223.325	231.393	223.105	218.509
82.5	173.151	199.540	206.276	197.218	190.877

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CANDELA TABULATION - (Cont.)

83.0	151.992	176.665	182.579	171.032	164.935
83.5	132.370	155.152	159.927	146.578	142.079
84.0	113.885	135.061	138.571	125.359	123.451
84.5	96.854	116.607	118.019	108.227	107.991
85.0	81.202	99.716	98.604	93.536	93.609
85.5	66.987	83.502	81.948	80.282	80.315
86.0	54.310	69.336	68.426	67.715	67.681
86.5	43.154	56.573	56.627	56.150	56.827
87.0	33.293	45.324	45.898	46.123	46.240
87.5	25.070	35.287	36.556	36.063	35.905
88.0	18.268	26.847	27.724	26.714	26.254
88.5	12.961	19.594	19.143	17.389	16.872
89.0	8.892	12.960	11.691	10.496	10.379
89.5	5.775	7.821	6.310	6.535	6.694
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-L33-835-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-L33-835-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-L33-835-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1808.71	N.A.	14.30
0-30	3780.64	N.A.	29.80
0-40	6080.79	N.A.	47.90
0-60	10388.31	N.A.	81.90
0-80	12550.85	N.A.	99.00
0-90	12681.66	N.A.	100.00
10-90	12208.69	N.A.	96.30
20-40	4272.08	N.A.	33.70
20-50	6574.85	N.A.	51.80
40-70	5753.5	N.A.	45.40
60-80	2162.53	N.A.	17.10
70-80	716.56	N.A.	5.70
80-90	130.82	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	12681.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	472.98
10-20	1335.73
20-30	1971.93
30-40	2300.15
40-50	2302.77
50-60	2004.76
60-70	1445.97
70-80	716.56
80-90	130.82
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-L33-835-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	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-L33-835-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

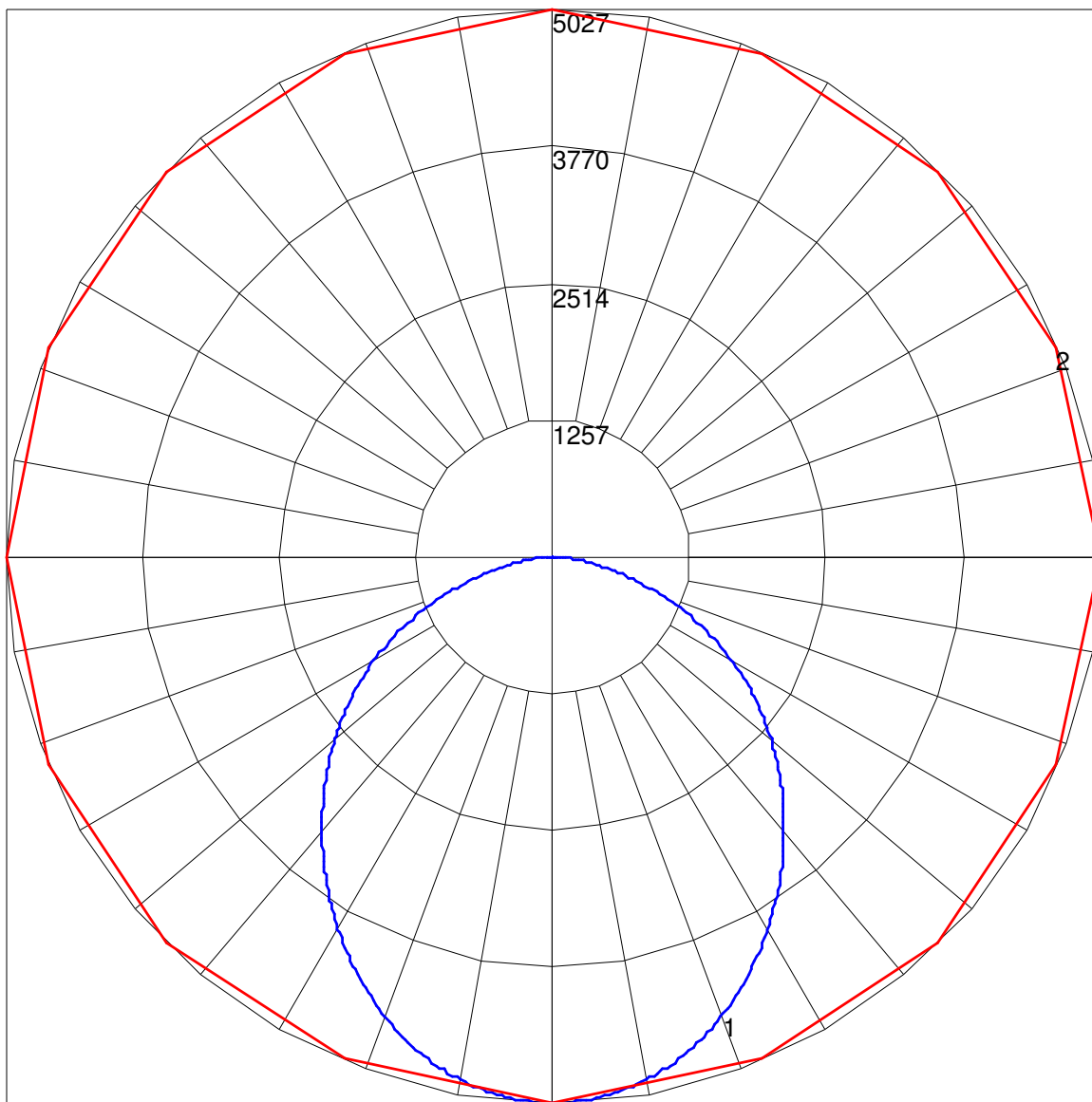
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	18.4	20.0	18.8	20.3	20.6	18.6	20.2	18.9	20.5	20.8
	3H	19.9	21.4	20.3	21.7	22.1	20.2	21.6	20.6	22.0	22.3
	4H	20.4	21.8	20.8	22.1	22.5	20.7	22.1	21.1	22.4	22.8
	6H	20.6	21.9	21.1	22.3	22.7	21.0	22.3	21.4	22.6	23.0
	8H	20.7	21.9	21.1	22.3	22.7	21.1	22.2	21.5	22.6	23.0
	12H	20.7	21.8	21.1	22.2	22.6	21.0	22.2	21.5	22.6	23.0
4H	2H	19.0	20.4	19.4	20.7	21.1	19.1	20.5	19.5	20.8	21.2
	3H	20.7	21.9	21.2	22.3	22.7	21.0	22.1	21.4	22.5	22.9
	4H	21.3	22.3	21.7	22.7	23.2	21.6	22.6	22.0	23.0	23.5
	6H	21.6	22.5	22.1	23.0	23.4	22.0	22.9	22.4	23.3	23.7
	8H	21.7	22.5	22.2	23.0	23.4	22.0	22.9	22.5	23.3	23.8
	12H	21.7	22.5	22.2	23.0	23.4	22.0	22.8	22.5	23.3	23.7
8H	4H	21.5	22.4	22.0	22.8	23.3	21.8	22.6	22.3	23.1	23.5
	6H	22.0	22.7	22.5	23.1	23.6	22.3	22.9	22.7	23.4	23.9
	8H	22.1	22.7	22.6	23.2	23.7	22.3	23.0	22.9	23.5	24.0
	12H	22.1	22.7	22.6	23.2	23.7	22.4	22.9	22.9	23.4	24.0
12H	4H	21.6	22.3	22.0	22.8	23.2	21.8	22.5	22.3	23.0	23.5
	6H	22.0	22.6	22.5	23.1	23.6	22.3	22.9	22.8	23.3	23.9
	8H	22.1	22.7	22.6	23.2	23.7	22.4	22.9	22.9	23.4	24.0

Maximum UGR = 24.0

POLAR GRAPH



Maximum Candela = 5027.026 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.)