

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L52-850-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-L52-850-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	13415
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
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	7177	7321	7514
55	6572	6918	7245
65	5670	6300	6639
75	4067	4872	5030
85	1583	1863	1699

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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	5131.462	5131.462	5131.462	5131.462	5131.462
0.5	5132.430	5128.383	5129.658	5127.326	5125.659
1.0	5141.137	5124.733	5135.244	5123.104	5138.281
1.5	5136.345	5121.083	5128.823	5120.861	5131.948
2.0	5134.102	5116.465	5122.490	5126.929	5133.398
2.5	5129.791	5112.551	5118.311	5119.936	5123.548
3.0	5126.008	5119.412	5121.126	5109.864	5119.983
3.5	5128.955	5117.608	5109.911	5110.699	5125.305
4.0	5117.301	5107.097	5110.393	5106.081	5120.819
4.5	5114.529	5107.800	5097.638	5097.988	5108.065
5.0	5111.054	5102.521	5099.749	5089.016	5109.118
5.5	5105.907	5094.956	5091.656	5095.523	5103.399
6.0	5098.474	5087.302	5082.419	5079.161	5097.110
6.5	5085.588	5075.691	5081.758	5077.225	5088.884
7.0	5084.927	5074.151	5068.915	5068.867	5072.347
7.5	5075.119	5064.079	5061.614	5056.552	5068.475
8.0	5067.026	5054.843	5057.875	5048.327	5056.907
8.5	5049.786	5043.406	5042.788	5031.965	5046.306
9.0	5046.617	5035.313	5033.594	5025.146	5040.323
9.5	5039.931	5025.944	5019.036	5018.767	5025.104
10.0	5023.966	5014.640	5010.371	5002.802	5015.953
10.5	5004.922	5003.600	4999.374	4990.662	4998.448
11.0	4983.328	4986.095	4985.080	4976.718	4994.751
11.5	4984.820	4977.166	4967.486	4965.149	4975.575
12.0	4973.648	4963.883	4957.721	4953.580	4958.552
12.5	4963.180	4946.553	4948.527	4936.954	4945.269
13.0	4938.639	4932.302	4929.087	4925.252	4935.150
13.5	4927.335	4918.051	4914.878	4904.273	4928.242
14.0	4912.248	4905.647	4902.034	4886.678	4909.108
14.5	4899.140	4886.910	4881.187	4876.252	4884.478
15.0	4878.557	4868.570	4864.164	4857.119	4869.302
15.5	4869.231	4846.050	4845.998	4838.557	4841.725
16.0	4844.029	4829.424	4831.086	4822.105	4840.488
16.5	4832.460	4812.798	4811.381	4805.786	4812.515
17.0	4812.184	4793.797	4794.623	4782.167	4800.417
17.5	4791.204	4774.224	4771.575	4762.769	4777.369
18.0	4763.760	4752.276	4753.145	4746.888	4753.353
18.5	4753.466	4740.575	4734.583	4723.840	4727.051
19.0	4727.165	4709.349	4707.446	4706.553	4709.235
19.5	4710.538	4692.193	4690.158	4684.780	4688.298
20.0	4680.587	4670.685	4665.132	4663.578	4661.335
20.5	4668.489	4646.626	4647.009	4641.805	4642.948
21.0	4626.709	4623.843	4619.607	4624.253	4623.725
21.5	4612.368	4603.037	4597.834	4596.016	4598.169
22.0	4593.541	4578.847	4572.675	4571.032	4580.353
22.5	4570.319	4552.852	4548.659	4549.127	4546.794
23.0	4538.695	4529.804	4530.139	4528.496	4535.574
23.5	4520.001	4505.349	4500.627	4502.105	4510.194
24.0	4495.107	4477.947	4477.886	4473.471	4484.506
24.5	4460.405	4452.656	4450.923	4450.730	4453.761
25.0	4437.489	4425.958	4425.500	4422.360	4431.020
25.5	4413.869	4399.963	4398.537	4400.761	4404.364
26.0	4386.600	4373.265	4370.739	4376.481	4381.798
26.5	4355.284	4345.731	4341.533	4346.307	4350.788

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CANDELA TABULATION - (Cont.)

27.0	4331.400	4317.933	4322.310	4319.784	4324.133
27.5	4300.216	4288.288	4288.883	4295.239	4306.624
28.0	4267.757	4258.511	4254.620	4269.419	4268.711
28.5	4242.069	4230.845	4233.022	4241.356	4242.494
29.0	4210.753	4203.046	4200.166	4215.272	4223.578
29.5	4182.383	4171.598	4173.510	4180.745	4187.511
30.0	4152.738	4140.414	4144.744	4159.014	4165.252
30.5	4120.015	4114.023	4118.221	4129.544	4140.003
31.0	4092.920	4079.628	4088.047	4100.513	4103.937
31.5	4057.118	4050.422	4054.355	4071.482	4081.370
32.0	4030.155	4019.677	4023.346	4043.419	4053.614
32.5	3992.110	3986.557	3992.337	4017.335	4024.451
33.0	3964.179	3954.405	3966.385	3984.654	3991.067
33.5	3930.752	3921.417	3928.779	3950.831	3959.925
34.0	3897.193	3888.429	3900.584	3929.539	3933.005
34.5	3863.369	3855.309	3869.003	3894.176	3904.678
35.0	3828.974	3821.485	3837.026	3868.092	3879.165
35.5	3796.690	3786.387	3805.313	3834.839	3843.670
36.0	3762.295	3754.674	3773.467	3804.269	3816.353
36.5	3727.064	3720.014	3740.919	3774.535	3781.693
37.0	3691.701	3686.894	3706.963	3742.118	3751.123
37.5	3655.899	3650.828	3674.414	3713.527	3728.996
38.0	3616.182	3616.872	3642.437	3678.867	3692.093
38.5	3585.876	3580.805	3608.481	3651.947	3663.766
39.0	3547.699	3548.521	3574.525	3617.991	3630.821
39.5	3511.061	3509.508	3540.305	3588.828	3598.579
40.0	3473.191	3476.255	3507.052	3556.983	3568.141
40.5	3436.420	3438.649	3471.557	3521.355	3537.439
41.0	3401.057	3403.858	3439.008	3491.050	3499.833
41.5	3360.240	3366.823	3404.920	3459.072	3465.612
42.0	3322.899	3329.921	3369.425	3422.873	3433.635
42.5	3286.832	3291.479	3333.094	3391.028	3400.250
43.0	3247.687	3256.819	3301.381	3359.887	3373.198
43.5	3210.784	3218.510	3263.643	3324.963	3342.056
44.0	3173.178	3181.475	3229.555	3289.335	3306.429
44.5	3134.737	3144.573	3195.467	3258.897	3275.727
45.0	3097.131	3106.834	3159.135	3224.106	3242.474
45.5	3057.985	3067.689	3123.508	3193.668	3206.408
46.0	3017.433	3030.654	3087.309	3158.876	3175.134
46.5	2979.959	2993.181	3052.517	3123.513	3141.046
47.0	2945.167	2953.903	3016.186	3089.425	3106.254
47.5	2904.043	2914.758	2979.988	3053.665	3072.737
48.0	2866.173	2877.855	2942.249	3019.006	3037.506
48.5	2827.028	2839.281	2906.051	2981.267	3002.143
49.0	2787.882	2800.839	2871.127	2950.126	2968.188
49.5	2745.219	2761.694	2834.224	2912.652	2936.210
50.0	2707.349	2723.824	2797.893	2877.025	2900.979
50.5	2666.796	2685.646	2760.287	2843.069	2866.452
51.0	2626.111	2644.829	2722.549	2804.759	2828.010
51.5	2584.723	2604.716	2684.811	2766.450	2793.483
52.0	2544.610	2564.867	2648.041	2732.933	2756.581
52.5	2504.628	2526.557	2610.302	2698.538	2722.186
53.0	2462.669	2485.741	2573.400	2657.414	2683.744
53.5	2422.688	2447.299	2536.497	2622.622	2649.788
54.0	2380.331	2408.153	2497.220	2582.773	2610.203
54.5	2336.568	2366.501	2457.371	2545.167	2573.433

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55.0	2300.369	2326.784	2421.304	2505.583	2535.959
55.5	2258.013	2285.967	2381.455	2468.813	2499.454
56.0	2216.492	2246.822	2344.685	2431.207	2461.144
56.5	2175.940	2207.544	2304.000	2392.326	2421.999
57.0	2134.551	2167.563	2265.691	2353.312	2384.218
57.5	2093.031	2128.417	2226.545	2312.056	2343.226
58.0	2050.807	2088.436	2186.829	2273.175	2301.531
58.5	2007.879	2046.916	2146.848	2234.998	2262.079
59.0	1968.030	2007.903	2108.538	2194.710	2224.298
59.5	1925.806	1965.678	2069.525	2155.125	2187.353
60.0	1882.746	1924.158	2029.105	2116.509	2146.626
60.5	1841.358	1883.605	1988.552	2075.649	2105.766
61.0	1799.618	1844.724	1950.507	2033.251	2063.368
61.5	1758.018	1802.368	1910.219	1991.423	2021.805
62.0	1715.513	1762.651	1871.206	1950.564	1977.427
62.5	1673.632	1720.560	1832.192	1907.461	1933.050
63.0	1634.610	1681.406	1791.640	1865.766	1890.080
63.5	1591.682	1639.666	1751.220	1821.960	1846.977
64.0	1548.755	1597.230	1708.556	1778.154	1801.896
64.5	1505.686	1555.420	1666.597	1734.181	1757.185
65.0	1462.204	1513.680	1624.769	1690.006	1712.104
65.5	1419.206	1472.151	1583.729	1649.063	1665.783
66.0	1376.208	1430.173	1541.198	1605.389	1623.349
66.5	1333.069	1388.824	1499.120	1560.141	1577.564
67.0	1290.155	1347.137	1456.338	1515.429	1530.658
67.5	1247.817	1305.494	1413.103	1468.356	1485.208
68.0	1204.665	1263.961	1369.710	1423.024	1439.305
68.5	1162.014	1222.357	1327.228	1378.110	1392.615
69.0	1119.478	1181.382	1284.055	1331.957	1345.639
69.5	1077.905	1140.210	1241.502	1286.801	1297.766
70.0	1037.018	1099.723	1197.938	1240.282	1250.909
70.5	995.894	1058.885	1154.370	1193.245	1204.271
71.0	954.321	1018.271	1111.052	1147.174	1158.083
71.5	914.274	977.825	1067.686	1102.182	1112.198
72.0	873.567	937.796	1025.077	1057.088	1066.282
72.5	833.855	898.075	981.737	1012.061	1019.935
73.0	794.899	858.899	939.040	966.879	972.233
73.5	755.719	819.693	895.951	921.596	926.318
74.0	717.585	781.045	853.434	876.160	881.506
74.5	679.957	742.776	811.067	831.819	837.402
75.0	642.383	704.867	769.553	788.286	794.438
75.5	605.340	667.504	728.290	746.285	751.905
76.0	569.010	630.462	687.629	704.755	708.308
76.5	533.727	594.325	646.815	662.081	666.563
77.0	499.160	558.581	606.783	619.516	622.288
77.5	465.192	523.703	567.477	579.618	576.557
78.0	432.051	489.032	529.108	538.008	530.333
78.5	399.648	455.099	491.896	495.021	486.476
79.0	368.112	421.879	456.038	452.717	444.128
79.5	337.724	389.372	419.182	412.470	403.795
80.0	308.748	357.912	384.182	373.619	364.653
80.5	280.388	327.402	351.329	336.263	327.486
81.0	253.356	297.520	317.143	300.476	291.986
81.5	227.177	268.910	283.726	266.749	258.272
82.0	202.635	242.046	252.641	234.872	225.186
82.5	179.420	215.899	223.148	204.170	193.845

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83.0	157.521	190.689	195.194	174.496	165.261
83.5	137.188	167.005	168.573	147.649	140.846
84.0	118.086	144.860	143.706	124.884	121.164
84.5	100.409	124.365	120.361	106.697	104.939
85.0	84.201	105.563	99.100	91.255	90.358
85.5	69.476	87.645	81.204	77.721	77.181
86.0	56.316	71.895	66.879	65.256	64.944
86.5	44.779	57.742	54.770	54.053	54.511
87.0	34.571	45.453	44.121	44.416	44.443
87.5	26.012	34.778	35.126	34.893	34.796
88.0	18.992	26.109	26.734	26.140	25.793
88.5	13.468	18.927	18.764	17.514	17.154
89.0	9.258	12.615	11.840	11.022	10.996
89.5	6.056	7.798	6.786	7.081	7.178
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-L52-850-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-L52-850-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1855.69	N.A.	13.80
0-30	3894.86	N.A.	29.00
0-40	6299.19	N.A.	47.00
0-60	10900.28	N.A.	81.30
0-80	13277.23	N.A.	99.00
0-90	13414.97	N.A.	100.00
10-90	12930.93	N.A.	96.40
20-40	4443.5	N.A.	33.10
20-50	6884.45	N.A.	51.30
40-70	6185.14	N.A.	46.10
60-80	2376.95	N.A.	17.70
70-80	792.89	N.A.	5.90
80-90	137.74	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	13414.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	484.04
10-20	1371.65
20-30	2039.16
30-40	2404.34
40-50	2440.95
50-60	2160.14
60-70	1584.06
70-80	792.89
80-90	137.74
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-L52-850-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	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-L52-850-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

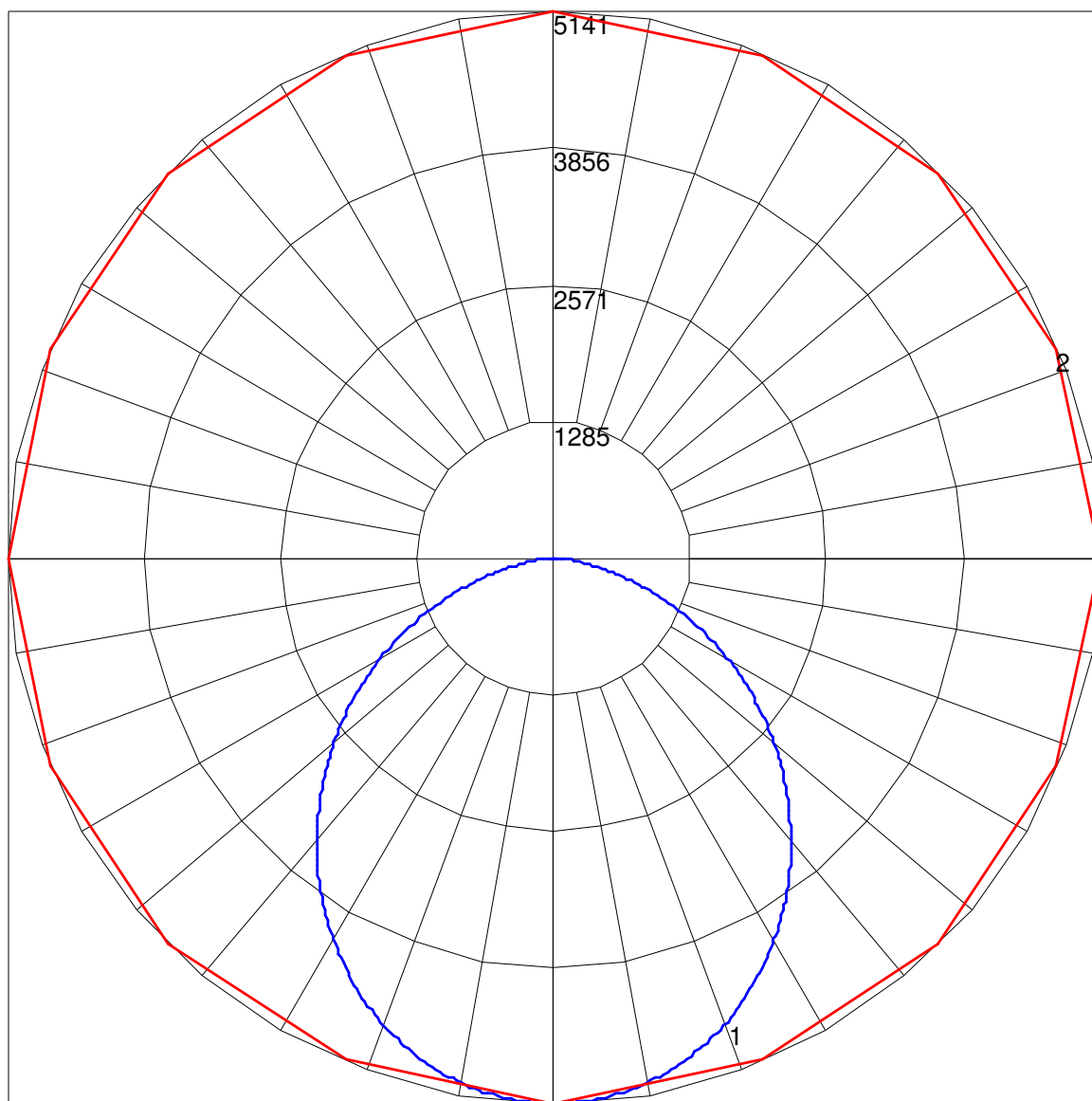
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	18.5	20.1	18.9	20.4	20.7	19.1	20.7	19.5	21.0	21.4
	3H	20.0	21.5	20.4	21.8	22.2	20.8	22.3	21.2	22.6	23.0
	4H	20.5	21.9	20.9	22.2	22.6	21.4	22.7	21.8	23.1	23.5
	6H	20.8	22.0	21.2	22.4	22.8	21.6	22.9	22.0	23.3	23.7
	8H	20.8	22.0	21.2	22.4	22.8	21.7	22.9	22.1	23.3	23.7
	12H	20.8	22.0	21.2	22.4	22.8	21.7	22.8	22.1	23.2	23.6
4H	2H	19.2	20.6	19.6	20.9	21.3	19.7	21.0	20.1	21.4	21.8
	3H	20.9	22.1	21.3	22.5	22.9	21.6	22.7	22.0	23.1	23.5
	4H	21.5	22.5	21.9	22.9	23.4	22.2	23.3	22.6	23.7	24.1
	6H	21.9	22.7	22.3	23.2	23.6	22.6	23.5	23.1	23.9	24.4
	8H	21.9	22.8	22.4	23.2	23.7	22.7	23.5	23.1	23.9	24.4
	12H	21.9	22.7	22.4	23.2	23.6	22.7	23.4	23.2	23.9	24.4
8H	4H	21.8	22.6	22.3	23.1	23.5	22.4	23.3	22.9	23.7	24.2
	6H	22.2	22.9	22.7	23.4	23.9	22.9	23.6	23.4	24.1	24.5
	8H	22.3	22.9	22.8	23.4	23.9	23.0	23.6	23.5	24.1	24.6
	12H	22.4	22.9	22.9	23.4	24.0	23.0	23.5	23.5	24.0	24.6
12H	4H	21.8	22.5	22.3	23.0	23.5	22.4	23.2	22.9	23.7	24.1
	6H	22.2	22.9	22.8	23.3	23.9	22.9	23.5	23.4	24.0	24.5
	8H	22.4	22.9	22.9	23.4	24.0	23.0	23.5	23.5	24.0	24.6

Maximum UGR = 24.6

POLAR GRAPH



Maximum Candela = 5141.137 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.)