

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L52-950-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-L52-950-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	11264
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
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	6026	6147	6309
55	5518	5808	6083
65	4760	5290	5574
75	3415	4091	4223
85	1329	1564	1426

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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	4308.492	4308.492	4308.492	4308.492	4308.492
0.5	4309.305	4305.907	4306.977	4305.019	4303.619
1.0	4316.615	4302.842	4311.667	4301.474	4314.217
1.5	4312.591	4299.777	4306.276	4299.591	4308.900
2.0	4310.708	4295.900	4300.959	4304.686	4310.117
2.5	4307.088	4292.613	4297.450	4298.814	4301.847
3.0	4303.913	4298.374	4299.813	4290.357	4298.854
3.5	4306.387	4296.859	4290.397	4291.059	4303.322
4.0	4296.602	4288.034	4290.801	4287.182	4299.555
4.5	4294.274	4288.625	4280.093	4280.386	4288.847
5.0	4291.356	4284.192	4281.865	4272.853	4289.731
5.5	4287.035	4277.841	4275.069	4278.316	4284.930
6.0	4280.794	4271.414	4267.314	4264.579	4279.649
6.5	4269.975	4261.665	4266.759	4262.953	4272.742
7.0	4269.420	4260.372	4255.975	4255.936	4258.858
7.5	4261.185	4251.916	4249.846	4245.596	4255.607
8.0	4254.390	4244.161	4246.706	4238.689	4245.893
8.5	4239.914	4234.558	4234.039	4224.952	4236.992
9.0	4237.254	4227.763	4226.319	4219.227	4231.969
9.5	4231.640	4219.897	4214.096	4213.870	4219.191
10.0	4218.235	4210.405	4206.821	4200.466	4211.507
10.5	4202.246	4201.136	4197.587	4190.272	4196.810
11.0	4184.115	4186.439	4185.586	4178.565	4193.706
11.5	4185.368	4178.941	4170.814	4168.851	4177.605
12.0	4175.988	4167.789	4162.615	4159.138	4163.313
12.5	4167.198	4153.238	4154.895	4145.178	4152.160
13.0	4146.593	4141.273	4138.573	4135.354	4143.664
13.5	4137.102	4129.307	4126.643	4117.738	4137.863
14.0	4124.435	4118.892	4115.859	4102.966	4121.798
14.5	4113.429	4103.160	4098.355	4094.212	4101.118
15.0	4096.147	4087.761	4084.062	4078.147	4088.376
15.5	4088.316	4068.854	4068.810	4062.562	4065.222
16.0	4067.157	4054.894	4056.290	4048.749	4064.183
16.5	4057.443	4040.934	4039.745	4035.047	4040.696
17.0	4040.419	4024.980	4025.674	4015.215	4030.539
17.5	4022.804	4008.547	4006.322	3998.928	4011.187
18.0	3999.761	3990.119	3990.848	3985.595	3991.023
18.5	3991.118	3980.294	3975.263	3966.243	3968.939
19.0	3969.034	3954.076	3952.478	3951.729	3953.981
19.5	3955.075	3939.672	3937.963	3933.447	3936.401
20.0	3929.927	3921.613	3916.950	3915.646	3913.763
20.5	3919.769	3901.413	3901.734	3897.365	3898.324
21.0	3884.689	3882.283	3878.727	3882.628	3882.184
21.5	3872.649	3864.814	3860.445	3858.919	3860.727
22.0	3856.841	3844.503	3839.322	3837.942	3845.768
22.5	3837.343	3822.678	3819.157	3819.550	3817.591
23.0	3810.791	3803.326	3803.608	3802.228	3808.171
23.5	3795.095	3782.793	3778.828	3780.069	3786.861
24.0	3774.193	3759.786	3759.734	3756.027	3765.293
24.5	3745.057	3738.551	3737.096	3736.933	3739.479
25.0	3725.816	3716.134	3715.750	3713.113	3720.385
25.5	3705.985	3694.309	3693.111	3694.979	3698.004
26.0	3683.089	3671.892	3669.771	3674.592	3679.057
26.5	3656.795	3648.774	3645.250	3649.258	3653.021

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CANDELA TABULATION - (Cont.)

27.0	3636.741	3625.434	3629.109	3626.988	3630.640
27.5	3610.558	3600.544	3601.043	3606.380	3615.939
28.0	3583.305	3575.542	3572.275	3584.701	3584.106
28.5	3561.737	3552.313	3554.141	3561.139	3562.094
29.0	3535.443	3528.973	3526.555	3539.238	3546.212
29.5	3511.623	3502.568	3504.174	3510.248	3515.929
30.0	3486.733	3476.385	3480.021	3492.002	3497.240
30.5	3459.258	3454.226	3457.751	3467.259	3476.040
31.0	3436.508	3425.348	3432.417	3442.884	3445.758
31.5	3406.448	3400.826	3404.129	3418.509	3426.811
32.0	3383.809	3375.012	3378.093	3394.947	3403.506
32.5	3351.866	3347.203	3352.056	3373.046	3379.020
33.0	3328.415	3320.208	3330.266	3345.606	3350.990
33.5	3300.349	3292.510	3298.692	3317.207	3324.843
34.0	3272.172	3264.813	3275.018	3299.330	3302.240
34.5	3243.772	3237.005	3248.502	3269.638	3278.456
35.0	3214.894	3208.606	3221.654	3247.737	3257.035
35.5	3187.787	3179.136	3195.027	3219.818	3227.232
36.0	3158.908	3152.509	3168.289	3194.151	3204.296
36.5	3129.327	3123.408	3140.960	3169.185	3175.195
37.0	3099.636	3095.600	3112.450	3141.967	3149.528
37.5	3069.576	3065.317	3085.121	3117.961	3130.949
38.0	3036.228	3036.807	3058.272	3088.860	3099.965
38.5	3010.783	3006.525	3029.762	3066.257	3076.181
39.0	2978.728	2979.418	3001.252	3037.747	3048.519
39.5	2947.966	2946.662	2972.520	3013.261	3021.448
40.0	2916.169	2918.743	2944.601	2986.523	2995.892
40.5	2885.296	2887.168	2914.798	2956.610	2970.114
41.0	2855.605	2857.956	2887.469	2931.164	2938.539
41.5	2821.334	2826.861	2858.848	2904.315	2909.807
42.0	2789.981	2795.877	2829.045	2873.922	2882.958
42.5	2759.699	2763.600	2798.541	2847.184	2854.927
43.0	2726.831	2734.499	2771.914	2821.037	2832.213
43.5	2695.847	2702.334	2740.228	2791.714	2806.066
44.0	2664.272	2671.239	2711.607	2761.800	2776.153
44.5	2631.996	2640.254	2682.986	2736.244	2750.374
45.0	2600.421	2608.569	2652.482	2707.032	2722.455
45.5	2567.554	2575.701	2622.568	2681.476	2692.172
46.0	2533.505	2544.606	2592.175	2652.264	2665.914
46.5	2502.041	2513.142	2562.963	2622.572	2637.293
47.0	2472.829	2480.164	2532.458	2593.951	2608.081
47.5	2438.301	2447.297	2502.065	2563.926	2579.940
48.0	2406.504	2416.312	2470.379	2534.825	2550.359
48.5	2373.636	2383.925	2439.986	2503.140	2520.668
49.0	2340.769	2351.648	2410.663	2476.992	2492.157
49.5	2304.948	2318.781	2379.679	2445.529	2465.309
50.0	2273.151	2286.984	2349.174	2415.615	2435.728
50.5	2239.102	2254.929	2317.600	2387.105	2406.738
51.0	2204.943	2220.659	2285.914	2354.939	2374.461
51.5	2170.192	2186.979	2254.228	2322.774	2345.472
52.0	2136.512	2153.520	2223.355	2294.632	2314.488
52.5	2102.943	2121.355	2191.669	2265.753	2285.609
53.0	2067.712	2087.084	2160.685	2231.225	2253.332
53.5	2034.143	2054.807	2129.701	2202.013	2224.822
54.0	1998.580	2021.940	2096.722	2168.555	2191.586
54.5	1961.835	1986.967	2063.264	2136.980	2160.713

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55.0	1931.442	1953.620	2032.982	2103.744	2129.249
55.5	1895.879	1919.350	1999.524	2072.871	2098.598
56.0	1861.017	1886.482	1968.651	2041.296	2066.432
56.5	1826.968	1853.504	1934.491	2008.651	2033.565
57.0	1792.218	1819.935	1902.325	1975.894	2001.843
57.5	1757.356	1787.067	1869.458	1941.255	1967.426
58.0	1721.904	1753.498	1836.111	1908.610	1932.418
58.5	1685.861	1718.637	1802.542	1876.555	1899.293
59.0	1652.402	1685.880	1770.376	1842.728	1867.571
59.5	1616.950	1650.428	1737.620	1809.492	1836.551
60.0	1580.796	1615.567	1703.682	1777.069	1802.356
60.5	1546.046	1581.518	1669.633	1742.762	1768.049
61.0	1511.000	1548.872	1637.690	1707.163	1732.450
61.5	1476.072	1513.309	1603.863	1672.044	1697.553
62.0	1440.383	1479.962	1571.107	1637.737	1660.293
62.5	1405.219	1444.621	1538.350	1601.548	1623.032
63.0	1372.456	1411.746	1504.301	1566.539	1586.954
63.5	1336.413	1376.700	1470.364	1529.759	1550.764
64.0	1300.370	1341.071	1434.543	1492.978	1512.913
64.5	1264.208	1305.966	1399.312	1456.058	1475.372
65.0	1227.700	1270.920	1364.193	1418.967	1437.521
65.5	1191.598	1236.051	1329.735	1384.590	1398.629
66.0	1155.496	1200.806	1294.025	1347.921	1363.001
66.5	1119.275	1166.088	1258.695	1309.929	1324.559
67.0	1083.243	1131.087	1222.774	1272.389	1285.176
67.5	1047.695	1096.122	1186.473	1232.865	1247.014
68.0	1011.464	1061.250	1150.040	1194.803	1208.473
68.5	975.653	1026.319	1114.371	1157.093	1169.271
69.0	939.939	991.915	1078.122	1118.341	1129.829
69.5	905.033	957.346	1042.394	1080.427	1089.634
70.0	870.704	923.353	1005.816	1041.369	1050.291
70.5	836.175	889.064	969.235	1001.875	1011.134
71.0	801.269	854.964	932.864	963.194	972.353
71.5	767.645	821.004	896.453	925.417	933.826
72.0	733.467	787.394	860.678	887.555	895.274
72.5	700.123	754.044	824.289	849.749	856.361
73.0	667.415	721.151	788.439	811.814	816.309
73.5	634.518	688.233	752.261	773.793	777.757
74.0	602.501	655.783	716.563	735.644	740.132
74.5	570.908	623.651	680.990	698.414	703.102
75.0	539.359	591.822	646.134	661.863	667.028
75.5	508.257	560.451	611.489	626.598	631.317
76.0	477.754	529.350	577.349	591.728	594.711
76.5	448.129	499.009	543.080	555.898	559.661
77.0	419.106	468.997	509.469	520.160	522.487
77.5	390.586	439.713	476.467	486.660	484.090
78.0	362.759	410.602	444.251	451.724	445.280
78.5	335.554	382.112	413.007	415.631	408.456
79.0	309.075	354.220	382.900	380.111	372.900
79.5	283.561	326.926	351.955	346.320	339.035
80.0	259.232	300.511	322.568	313.699	306.171
80.5	235.420	274.894	294.984	282.334	274.965
81.0	212.723	249.805	266.280	252.287	245.158
81.5	190.743	225.783	238.223	223.968	216.851
82.0	170.137	203.228	212.123	197.204	189.071
82.5	150.645	181.274	187.360	171.426	162.756

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CANDELA TABULATION - (Cont.)

83.0	132.258	160.107	163.889	146.511	138.757
83.5	115.186	140.221	141.537	123.970	118.258
84.0	99.148	121.628	120.659	104.856	101.732
84.5	84.306	104.419	101.058	89.585	88.109
85.0	70.697	88.633	83.207	76.620	75.867
85.5	58.333	73.588	68.180	65.257	64.803
86.0	47.284	60.364	56.153	54.791	54.528
86.5	37.598	48.481	45.986	45.384	45.768
87.0	29.026	38.163	37.045	37.293	37.315
87.5	21.840	29.201	29.493	29.297	29.216
88.0	15.946	21.922	22.447	21.948	21.656
88.5	11.308	15.891	15.755	14.705	14.403
89.0	7.774	10.592	9.941	9.254	9.232
89.5	5.085	6.548	5.698	5.945	6.027
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-L52-950-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-L52-950-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1558.08	N.A.	13.80
0-30	3270.21	N.A.	29.00
0-40	5288.94	N.A.	47.00
0-60	9152.12	N.A.	81.30
0-80	11147.86	N.A.	99.00
0-90	11263.51	N.A.	100.00
10-90	10857.1	N.A.	96.40
20-40	3730.86	N.A.	33.10
20-50	5780.34	N.A.	51.30
40-70	5193.19	N.A.	46.10
60-80	1995.74	N.A.	17.70
70-80	665.73	N.A.	5.90
80-90	115.65	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	11263.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	406.41
10-20	1151.67
20-30	1712.13
30-40	2018.73
40-50	2049.48
50-60	1813.7
60-70	1330.01
70-80	665.73
80-90	115.65
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-L52-950-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-L52-950-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

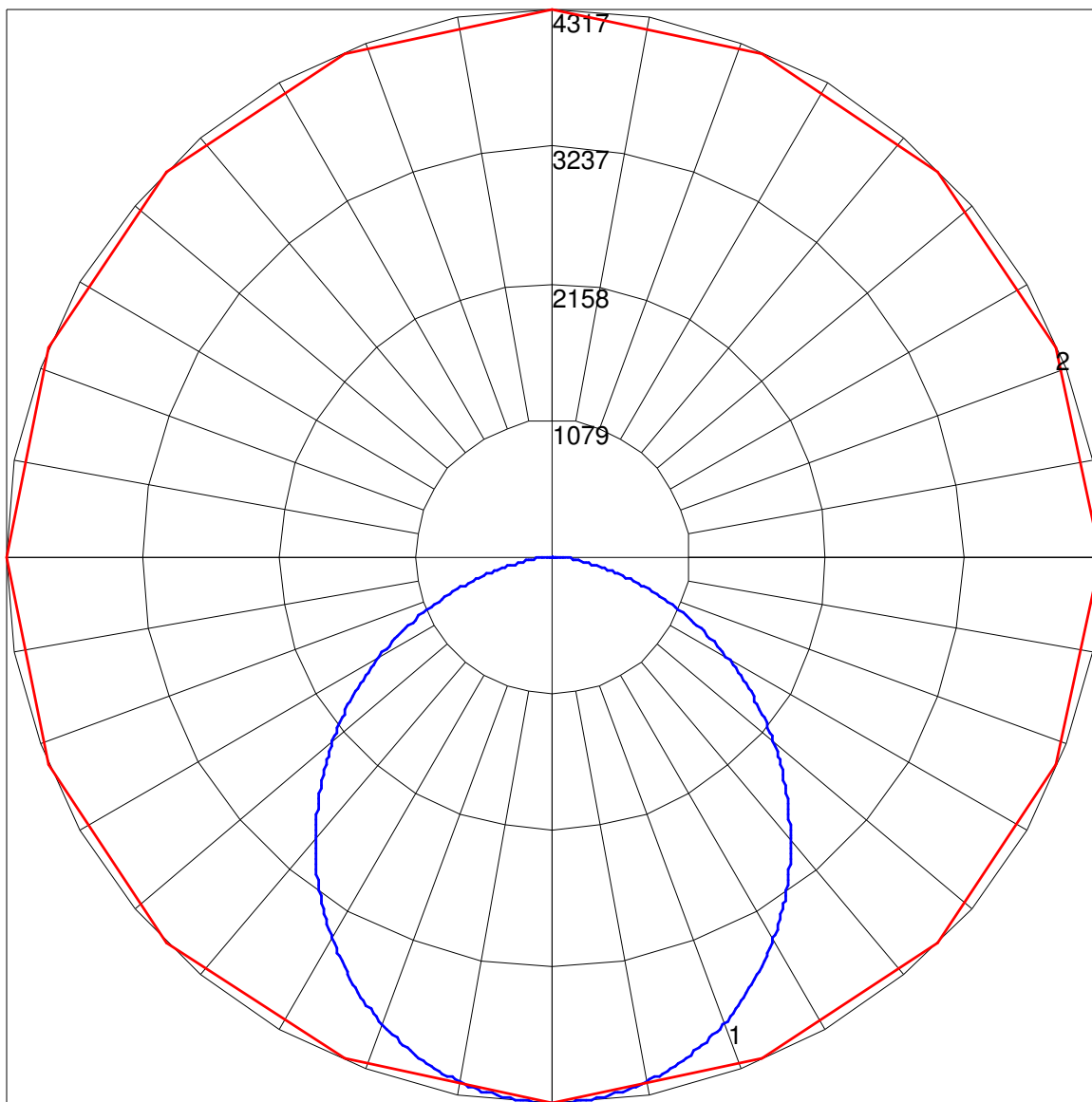
Reflectances

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	17.9	19.5	18.3	19.8	20.1	18.5	20.1	18.9	20.4	20.8
	3H	19.4	20.9	19.8	21.2	21.6	20.2	21.7	20.6	22.0	22.4
	4H	19.9	21.3	20.3	21.6	22.0	20.8	22.1	21.2	22.5	22.9
	6H	20.2	21.4	20.6	21.8	22.2	21.0	22.3	21.4	22.7	23.1
	8H	20.2	21.4	20.6	21.8	22.2	21.1	22.3	21.5	22.7	23.1
	12H	20.2	21.4	20.6	21.8	22.2	21.1	22.2	21.5	22.6	23.0
4H	2H	18.6	20.0	19.0	20.3	20.7	19.1	20.4	19.5	20.8	21.2
	3H	20.3	21.5	20.7	21.9	22.3	21.0	22.1	21.4	22.5	22.9
	4H	20.9	21.9	21.3	22.3	22.8	21.6	22.7	22.0	23.1	23.5
	6H	21.3	22.1	21.7	22.6	23.0	22.0	22.9	22.5	23.3	23.8
	8H	21.3	22.2	21.8	22.6	23.1	22.1	22.9	22.5	23.3	23.8
	12H	21.3	22.1	21.8	22.6	23.0	22.1	22.8	22.6	23.3	23.8
8H	4H	21.2	22.0	21.7	22.5	22.9	21.8	22.7	22.3	23.1	23.6
	6H	21.6	22.3	22.1	22.8	23.3	22.3	23.0	22.8	23.5	23.9
	8H	21.7	22.3	22.2	22.8	23.3	22.4	23.0	22.9	23.5	24.0
	12H	21.8	22.3	22.3	22.8	23.4	22.4	22.9	22.9	23.4	24.0
12H	4H	21.2	21.9	21.7	22.4	22.9	21.8	22.6	22.3	23.1	23.5
	6H	21.6	22.3	22.2	22.7	23.3	22.3	22.9	22.8	23.4	23.9
	8H	21.8	22.3	22.3	22.8	23.4	22.4	22.9	22.9	23.4	24.0

Maximum UGR = 24.0

POLAR GRAPH



Maximum Candela = 4316.615 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.)