

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L33-950-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-L33-950-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	11287
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
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	6217	6144	6121
55	5677	5702	5751
65	4886	5082	5173
75	3496	3868	3911
85	1359	1650	1566

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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	4466.396	4466.396	4466.396	4466.396	4466.396
0.5	4467.808	4463.867	4464.091	4459.707	4465.125
1.0	4473.315	4461.486	4469.297	4457.474	4474.053
1.5	4471.229	4459.104	4463.199	4455.837	4470.703
2.0	4469.592	4455.311	4459.849	4458.148	4469.220
2.5	4464.611	4451.890	4455.388	4452.197	4464.008
3.0	4461.710	4457.320	4456.877	4443.718	4457.172
3.5	4463.719	4455.016	4448.693	4444.611	4461.338
4.0	4456.203	4447.204	4445.798	4440.817	4458.064
4.5	4452.487	4447.576	4436.350	4432.935	4448.616
5.0	4448.398	4441.183	4437.467	4426.388	4445.574
5.5	4442.525	4435.381	4429.585	4428.031	4439.848
6.0	4437.242	4426.831	4421.998	4413.974	4434.270
6.5	4427.274	4417.088	4419.398	4411.150	4425.868
7.0	4424.675	4415.823	4407.203	4402.228	4413.519
7.5	4417.235	4407.344	4402.440	4392.112	4407.870
8.0	4409.353	4399.757	4397.312	4383.710	4395.900
8.5	4396.632	4388.307	4383.479	4369.654	4385.341
9.0	4391.355	4380.424	4373.665	4361.996	4378.575
9.5	4384.218	4372.318	4361.913	4353.671	4364.223
10.0	4371.721	4361.387	4354.178	4341.174	4352.182
10.5	4356.695	4351.496	4342.060	4329.351	4338.420
11.0	4341.220	4337.734	4331.347	4315.223	4331.064
11.5	4337.509	4328.960	4314.838	4303.252	4315.518
12.0	4327.098	4317.432	4305.172	4291.281	4298.862
12.5	4317.060	4301.963	4295.358	4276.185	4287.334
13.0	4299.575	4289.023	4278.772	4263.694	4273.880
13.5	4288.644	4276.083	4263.605	4245.844	4263.476
14.0	4274.812	4263.220	4251.409	4229.335	4245.702
14.5	4261.577	4247.006	4234.079	4217.069	4225.471
15.0	4245.286	4232.353	4217.422	4199.296	4208.891
15.5	4234.952	4213.238	4201.061	4181.375	4186.651
16.0	4214.869	4198.141	4185.522	4164.570	4176.997
16.5	4202.898	4183.045	4167.896	4148.286	4153.197
17.0	4185.420	4165.791	4152.279	4127.240	4139.146
17.5	4167.570	4148.686	4131.085	4108.426	4117.952
18.0	4145.849	4129.423	4113.684	4091.475	4095.345
18.5	4134.103	4116.933	4095.763	4070.280	4073.329
19.0	4112.087	4092.311	4072.855	4052.584	4053.553
19.5	4096.990	4075.134	4055.159	4031.614	4033.476
20.0	4072.593	4055.204	4033.367	4010.497	4008.860
20.5	4058.542	4034.825	4014.779	3989.527	3989.232
21.0	4028.337	4014.671	3990.831	3970.791	3968.711
21.5	4012.649	3995.113	3969.861	3945.951	3944.840
22.0	3993.689	3974.214	3947.550	3921.932	3925.064
22.5	3974.202	3951.011	3924.943	3900.442	3896.058
23.0	3948.020	3929.816	3904.795	3879.177	3880.672
23.5	3929.579	3907.877	3879.730	3854.414	3855.094
24.0	3908.308	3883.929	3857.348	3828.014	3830.703
24.5	3879.597	3861.098	3832.733	3805.632	3803.186
25.0	3858.923	3837.523	3809.382	3780.272	3780.804
25.5	3837.876	3814.319	3784.766	3757.595	3755.001
26.0	3814.448	3790.744	3759.259	3733.948	3730.912
26.5	3787.079	3766.276	3733.006	3706.284	3702.355

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CANDELA TABULATION - (Cont.)

27.0	3764.992	3740.768	3712.486	3681.001	3676.552
27.5	3738.143	3715.183	3684.000	3656.315	3655.589
28.0	3711.070	3689.079	3654.622	3631.404	3623.829
28.5	3686.679	3664.091	3631.945	3604.856	3597.359
29.0	3659.310	3638.583	3603.311	3578.905	3575.651
29.5	3633.950	3610.694	3577.508	3548.488	3543.968
30.0	3608.365	3583.845	3550.588	3525.290	3518.691
30.5	3580.251	3559.082	3525.305	3497.998	3493.633
31.0	3555.116	3529.184	3497.641	3470.038	3461.950
31.5	3524.473	3502.931	3468.115	3442.079	3437.861
32.0	3499.858	3475.415	3439.558	3415.531	3410.126
32.5	3467.578	3445.741	3411.002	3389.580	3381.646
33.0	3441.551	3417.480	3385.571	3359.239	3350.933
33.5	3413.065	3388.327	3352.624	3329.194	3321.857
34.0	3384.059	3359.173	3325.556	3305.329	3295.014
34.5	3354.013	3329.500	3297.148	3274.019	3267.426
35.0	3324.115	3299.454	3267.179	3248.068	3241.328
35.5	3295.334	3269.184	3238.250	3217.875	3209.498
36.0	3265.436	3240.255	3208.801	3188.651	3181.095
36.5	3234.646	3209.317	3178.980	3160.319	3150.157
37.0	3203.336	3179.644	3148.414	3131.018	3120.933
37.5	3172.693	3147.961	3118.593	3102.390	3096.176
38.0	3138.630	3117.396	3088.625	3071.452	3063.601
38.5	3110.445	3085.713	3058.059	3044.609	3036.014
39.0	3077.646	3056.932	3027.494	3014.044	3004.633
39.5	3046.111	3023.241	2995.888	2985.564	2973.624
40.0	3012.125	2993.047	2965.695	2956.115	2944.920
40.5	2980.070	2960.100	2933.865	2923.765	2915.176
41.0	2948.760	2928.643	2904.044	2895.581	2882.229
41.5	2912.764	2895.548	2872.958	2865.612	2850.624
42.0	2880.857	2862.973	2841.128	2833.410	2820.655
42.5	2849.175	2829.134	2808.406	2803.961	2789.942
43.0	2814.963	2798.197	2779.477	2774.885	2762.579
43.5	2782.389	2764.877	2746.010	2742.907	2733.502
44.0	2749.442	2731.783	2714.925	2710.557	2701.152
44.5	2715.603	2699.208	2683.839	2681.853	2671.408
45.0	2682.656	2665.741	2651.117	2650.395	2641.215
45.5	2648.444	2631.530	2618.767	2621.691	2609.533
46.0	2613.489	2598.436	2586.564	2590.233	2579.936
46.5	2581.062	2566.009	2555.107	2558.923	2548.851
47.0	2549.604	2531.277	2522.384	2527.837	2517.393
47.5	2514.796	2497.066	2490.182	2494.967	2486.160
48.0	2480.809	2464.491	2456.715	2464.029	2455.369
48.5	2446.598	2430.132	2424.513	2430.563	2424.059
49.0	2412.386	2396.293	2392.535	2401.486	2393.494
49.5	2376.314	2362.082	2359.960	2369.059	2363.525
50.0	2342.327	2328.095	2327.238	2336.709	2332.735
50.5	2307.371	2295.296	2294.291	2306.144	2302.317
51.0	2271.895	2259.300	2260.825	2272.824	2268.478
51.5	2236.047	2223.677	2227.358	2239.505	2238.060
52.0	2200.424	2189.093	2195.303	2208.272	2205.485
52.5	2165.320	2155.774	2161.836	2178.374	2175.587
53.0	2129.620	2119.778	2129.262	2143.566	2141.748
53.5	2094.516	2085.939	2096.687	2112.108	2111.182
54.0	2057.256	2051.728	2061.956	2077.524	2077.639
54.5	2019.251	2014.840	2027.372	2044.578	2045.584

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55.0	1987.049	1980.776	1995.690	2011.034	2013.157
55.5	1949.789	1944.781	1961.106	1978.979	1982.142
56.0	1913.421	1910.569	1929.051	1946.032	1948.823
56.5	1878.465	1875.838	1893.576	1912.861	1914.612
57.0	1842.617	1840.734	1860.257	1879.169	1883.372
57.5	1806.249	1806.523	1826.045	1843.841	1849.084
58.0	1769.508	1771.419	1791.981	1810.670	1814.424
58.5	1732.396	1735.051	1756.878	1777.870	1781.400
59.0	1697.812	1701.360	1723.559	1743.954	1750.160
59.5	1661.072	1664.620	1689.867	1710.411	1719.813
60.0	1623.439	1628.252	1655.431	1678.279	1686.565
60.5	1587.591	1593.296	1620.476	1644.511	1652.796
61.0	1551.557	1560.124	1588.196	1609.478	1617.763
61.5	1515.597	1522.864	1554.280	1574.297	1583.623
62.0	1478.708	1488.801	1520.589	1540.529	1547.993
62.5	1442.600	1452.580	1486.897	1505.124	1512.363
63.0	1409.354	1418.814	1451.942	1470.463	1477.478
63.5	1372.241	1382.780	1417.506	1434.686	1442.073
64.0	1335.128	1345.928	1381.433	1398.909	1406.071
64.5	1297.941	1309.857	1345.733	1362.953	1370.085
65.0	1260.086	1273.822	1310.552	1327.160	1334.083
65.5	1222.936	1237.900	1275.833	1293.303	1297.515
66.0	1185.786	1201.650	1240.280	1258.045	1262.823
66.5	1148.562	1165.958	1204.832	1221.865	1226.449
67.0	1111.501	1130.132	1169.012	1185.878	1189.256
67.5	1074.791	1094.239	1133.087	1148.507	1153.239
68.0	1037.514	1058.539	1097.258	1112.237	1117.117
68.5	1000.773	1022.802	1062.136	1076.414	1080.534
69.0	964.003	987.623	1026.694	1040.024	1044.024
69.5	928.147	952.384	991.534	1004.208	1006.860
70.0	892.834	917.688	955.750	967.580	970.098
70.5	857.306	882.806	920.188	930.588	933.722
71.0	821.450	848.087	884.894	894.287	897.674
71.5	786.807	813.547	849.890	858.872	862.102
72.0	751.725	779.454	815.465	823.538	826.648
72.5	717.438	745.613	780.565	788.465	790.696
73.0	683.732	712.240	746.274	753.264	753.487
73.5	649.862	678.987	711.641	718.146	718.034
74.0	616.996	646.254	677.581	682.900	683.569
74.5	584.443	613.811	643.870	648.370	649.974
75.0	552.097	581.829	610.880	614.627	617.747
75.5	520.169	550.315	578.158	582.594	586.018
76.0	488.887	519.106	545.890	551.216	553.456
76.5	458.609	488.827	513.495	518.692	522.909
77.0	428.755	458.890	481.784	486.362	489.358
77.5	399.578	429.726	450.773	456.612	453.912
78.0	371.018	400.897	420.572	424.921	418.205
78.5	343.209	372.819	391.568	391.647	385.101
79.0	316.174	345.388	363.821	359.139	354.100
79.5	290.061	318.603	334.781	328.980	324.795
80.0	265.190	292.823	307.533	300.234	296.345
80.5	240.825	267.905	282.500	272.819	269.435
81.0	217.613	243.545	255.818	246.549	243.812
81.5	195.122	220.353	229.767	221.909	219.224
82.0	174.037	198.760	205.940	198.563	194.473
82.5	154.104	177.590	183.585	175.524	169.881

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CANDELA TABULATION - (Cont.)

83.0	135.273	157.232	162.495	152.219	146.792
83.5	117.810	138.086	142.335	130.454	126.450
84.0	101.358	120.204	123.328	111.570	109.871
84.5	86.200	103.780	105.037	96.322	96.112
85.0	72.270	88.747	87.758	83.247	83.312
85.5	59.619	74.317	72.934	71.451	71.480
86.0	48.336	61.709	60.900	60.266	60.236
86.5	38.407	50.350	50.398	49.974	50.576
87.0	29.631	40.339	40.849	41.050	41.154
87.5	22.312	31.406	32.535	32.096	31.955
88.0	16.258	23.894	24.675	23.775	23.366
88.5	11.536	17.439	17.038	15.477	15.016
89.0	7.914	11.534	10.405	9.342	9.238
89.5	5.139	6.961	5.616	5.817	5.958
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-L33-950-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
PHOTOMETRIC FILENAME : CMR4AEG-L33-950-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-L33-950-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1609.75	N.A.	14.30
0-30	3364.77	N.A.	29.80
0-40	5411.9	N.A.	47.90
0-60	9245.6	N.A.	81.90
0-80	11170.25	N.A.	99.00
0-90	11286.68	N.A.	100.00
10-90	10865.73	N.A.	96.30
20-40	3802.15	N.A.	33.70
20-50	5851.62	N.A.	51.80
40-70	5120.61	N.A.	45.40
60-80	1924.65	N.A.	17.10
70-80	637.74	N.A.	5.70
80-90	116.43	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	11286.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	420.95
10-20	1188.8
20-30	1755.02
30-40	2047.13
40-50	2049.47
50-60	1784.24
60-70	1286.91
70-80	637.74
80-90	116.43
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-L33-950-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	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-L33-950-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

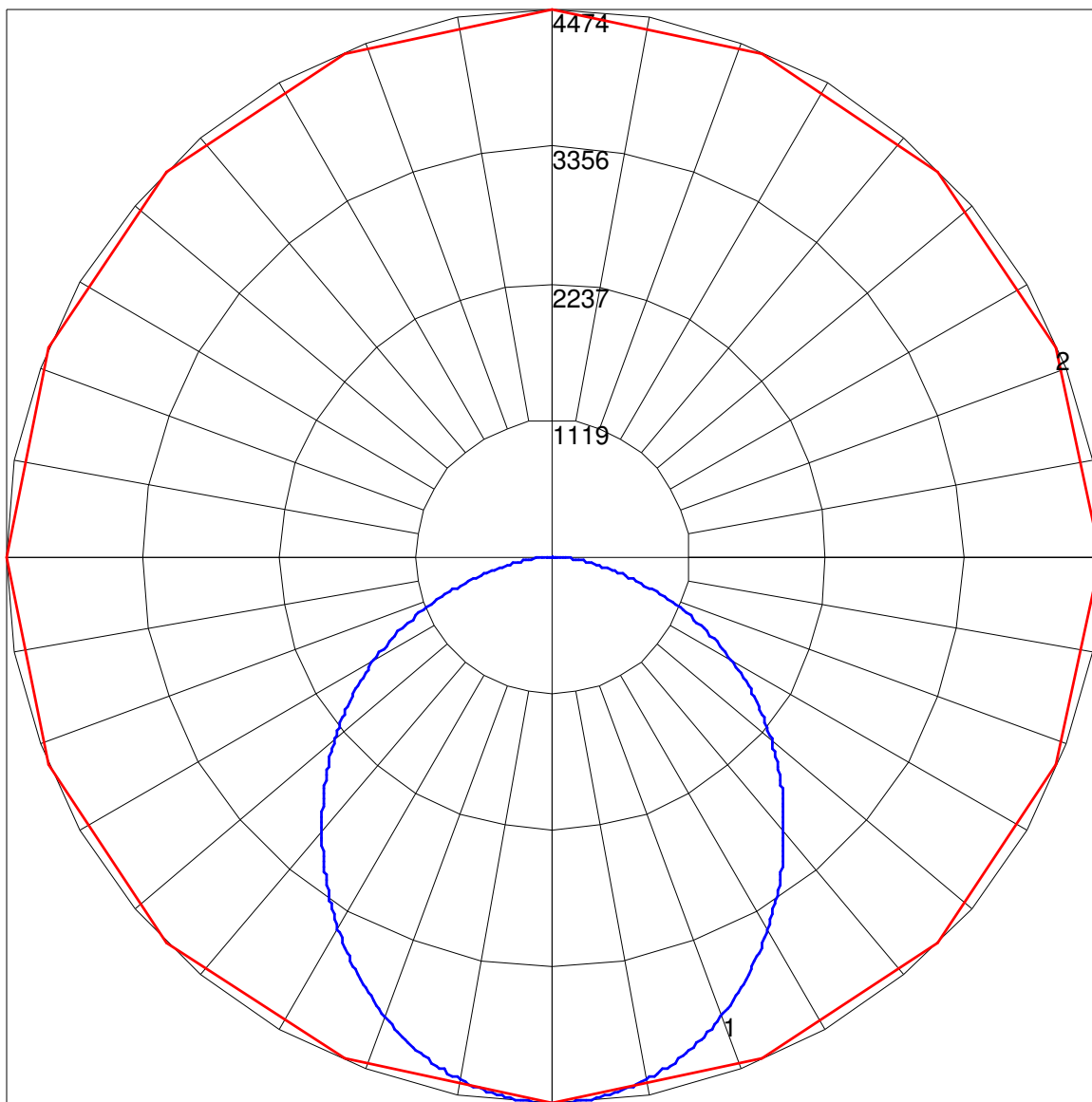
Reflectances

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	18.0	19.6	18.4	19.9	20.2	18.2	19.8	18.5	20.1	20.4
	3H	19.5	21.0	19.9	21.3	21.7	19.8	21.2	20.2	21.6	21.9
	4H	20.0	21.4	20.4	21.7	22.1	20.3	21.7	20.7	22.0	22.4
	6H	20.2	21.5	20.7	21.9	22.3	20.6	21.9	21.0	22.2	22.6
	8H	20.3	21.5	20.7	21.9	22.3	20.7	21.8	21.1	22.2	22.6
	12H	20.3	21.4	20.7	21.8	22.2	20.6	21.8	21.1	22.2	22.6
4H	2H	18.6	20.0	19.0	20.3	20.7	18.7	20.1	19.1	20.4	20.8
	3H	20.3	21.5	20.8	21.9	22.3	20.6	21.7	21.0	22.1	22.5
	4H	20.9	21.9	21.3	22.3	22.8	21.2	22.2	21.6	22.6	23.1
	6H	21.2	22.1	21.7	22.6	23.0	21.6	22.5	22.0	22.9	23.3
	8H	21.3	22.1	21.8	22.6	23.0	21.6	22.5	22.1	22.9	23.4
	12H	21.3	22.1	21.8	22.6	23.0	21.6	22.4	22.1	22.9	23.3
8H	4H	21.1	22.0	21.6	22.4	22.9	21.4	22.2	21.9	22.7	23.1
	6H	21.6	22.3	22.1	22.7	23.2	21.9	22.5	22.3	23.0	23.5
	8H	21.7	22.3	22.2	22.8	23.3	21.9	22.6	22.5	23.1	23.6
	12H	21.7	22.3	22.2	22.8	23.3	22.0	22.5	22.5	23.0	23.6
12H	4H	21.2	21.9	21.6	22.4	22.8	21.4	22.1	21.9	22.6	23.1
	6H	21.6	22.2	22.1	22.7	23.2	21.9	22.5	22.4	22.9	23.5
	8H	21.7	22.3	22.2	22.8	23.3	22.0	22.5	22.5	23.0	23.6

Maximum UGR = 23.6

POLAR GRAPH



Maximum Candela = 4474.053 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.)