

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L33-927-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-L33-927-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	10145
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
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	5588	5523	5502
55	5103	5125	5170
65	4392	4568	4650
75	3142	3477	3516
85	1221	1483	1408

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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	4014.738	4014.738	4014.738	4014.738	4014.738
0.5	4016.007	4012.465	4012.666	4008.726	4013.596
1.0	4020.957	4010.324	4017.346	4006.718	4021.621
1.5	4019.082	4008.184	4011.864	4005.247	4018.609
2.0	4017.611	4004.774	4008.853	4007.324	4017.276
2.5	4013.134	4001.699	4004.843	4001.975	4012.592
3.0	4010.526	4006.580	4006.181	3994.354	4006.447
3.5	4012.332	4004.508	3998.825	3995.156	4010.191
4.0	4005.576	3997.487	3996.223	3991.746	4007.249
4.5	4002.235	3997.821	3987.730	3984.661	3998.756
5.0	3998.560	3992.075	3988.734	3978.776	3996.021
5.5	3993.281	3986.859	3981.649	3980.253	3990.875
6.0	3988.532	3979.174	3974.830	3967.617	3985.861
6.5	3979.572	3970.416	3972.493	3965.079	3978.309
7.0	3977.236	3969.279	3961.531	3957.059	3967.208
7.5	3970.549	3961.658	3957.250	3947.966	3962.131
8.0	3963.464	3954.838	3952.640	3940.414	3951.370
8.5	3952.028	3944.545	3940.206	3927.778	3941.879
9.0	3947.286	3937.460	3931.385	3920.895	3935.798
9.5	3940.870	3930.173	3920.821	3913.412	3922.897
10.0	3929.637	3920.348	3913.868	3902.179	3912.074
10.5	3916.130	3911.457	3902.975	3891.551	3899.704
11.0	3902.220	3899.087	3893.346	3878.852	3893.092
11.5	3898.885	3891.200	3878.506	3868.092	3879.118
12.0	3889.527	3880.838	3869.817	3857.332	3864.146
12.5	3880.503	3866.933	3860.996	3843.762	3853.784
13.0	3864.787	3855.301	3846.087	3832.534	3841.690
13.5	3854.961	3843.670	3832.454	3816.489	3832.338
14.0	3842.528	3832.108	3821.491	3801.649	3816.362
14.5	3830.631	3817.534	3805.914	3790.624	3798.176
15.0	3815.988	3804.362	3790.941	3774.648	3783.273
15.5	3806.699	3787.180	3776.235	3758.539	3763.282
16.0	3788.646	3773.610	3762.267	3743.434	3754.604
16.5	3777.886	3760.040	3746.423	3728.797	3733.210
17.0	3762.175	3744.532	3732.386	3709.878	3720.581
17.5	3746.130	3729.156	3713.335	3692.968	3701.529
18.0	3726.606	3711.841	3697.693	3677.730	3681.209
18.5	3716.047	3700.614	3681.585	3658.679	3661.419
19.0	3696.258	3678.482	3660.993	3642.772	3643.643
19.5	3682.688	3663.042	3645.086	3623.923	3625.596
20.0	3660.758	3645.128	3625.499	3604.941	3603.470
20.5	3648.128	3626.809	3608.790	3586.092	3585.826
21.0	3620.977	3608.693	3587.264	3569.250	3567.381
21.5	3606.876	3591.113	3568.415	3546.922	3545.924
22.0	3589.832	3572.327	3548.360	3525.332	3528.147
22.5	3572.316	3551.470	3528.039	3506.015	3502.075
23.0	3548.782	3532.419	3509.928	3486.901	3488.245
23.5	3532.206	3512.699	3487.398	3464.642	3465.253
24.0	3513.086	3491.172	3467.280	3440.911	3443.329
24.5	3487.279	3470.650	3445.153	3420.793	3418.594
25.0	3468.695	3449.459	3424.163	3397.997	3398.476
25.5	3449.776	3428.602	3402.037	3377.613	3375.282
26.0	3428.717	3407.410	3379.109	3356.358	3353.629
26.5	3404.116	3385.416	3355.511	3331.491	3327.960

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CANDELA TABULATION - (Cont.)

27.0	3384.263	3362.488	3337.066	3308.765	3304.766
27.5	3360.129	3339.491	3311.461	3286.575	3285.922
28.0	3335.793	3316.026	3285.053	3264.183	3257.375
28.5	3313.868	3293.565	3264.669	3240.320	3233.581
29.0	3289.267	3270.637	3238.931	3216.994	3214.068
29.5	3266.471	3245.568	3215.738	3189.652	3185.589
30.0	3243.474	3221.434	3191.540	3168.800	3162.869
30.5	3218.203	3199.175	3168.813	3144.268	3140.344
31.0	3195.610	3172.300	3143.947	3119.136	3111.866
31.5	3168.066	3148.702	3117.407	3094.003	3090.212
32.0	3145.940	3123.968	3091.738	3070.140	3065.282
32.5	3116.924	3097.296	3066.069	3046.814	3039.682
33.0	3093.529	3071.892	3043.210	3019.541	3012.075
33.5	3067.923	3045.687	3013.595	2992.534	2985.938
34.0	3041.851	3019.481	2989.264	2971.082	2961.810
34.5	3014.843	2992.809	2963.728	2942.938	2937.012
35.0	2987.969	2965.801	2936.790	2919.612	2913.553
35.5	2962.098	2938.592	2910.786	2892.472	2884.942
36.0	2935.224	2912.589	2884.316	2866.203	2859.411
36.5	2907.547	2884.779	2857.510	2840.736	2831.602
37.0	2879.403	2858.107	2830.035	2814.398	2805.333
37.5	2851.859	2829.628	2803.230	2788.665	2783.080
38.0	2821.240	2802.153	2776.292	2760.856	2753.799
38.5	2795.906	2773.675	2748.817	2736.728	2729.001
39.0	2766.423	2747.804	2721.342	2709.253	2700.794
39.5	2738.078	2717.520	2692.933	2683.653	2672.921
40.0	2707.528	2690.380	2665.793	2657.182	2647.119
40.5	2678.715	2660.764	2637.182	2628.104	2620.383
41.0	2650.571	2632.488	2610.376	2602.769	2590.768
41.5	2618.215	2602.740	2582.434	2575.831	2562.358
42.0	2589.534	2573.459	2553.823	2546.885	2535.420
42.5	2561.056	2543.042	2524.410	2520.415	2507.813
43.0	2530.304	2515.233	2498.406	2494.278	2483.217
43.5	2501.024	2485.283	2468.324	2465.534	2457.081
44.0	2471.408	2455.535	2440.382	2436.456	2428.002
44.5	2440.991	2426.255	2412.440	2410.654	2401.266
45.0	2411.376	2396.172	2383.026	2382.377	2374.126
45.5	2380.624	2365.420	2353.948	2356.576	2345.647
46.0	2349.203	2335.672	2325.002	2328.299	2319.044
46.5	2320.055	2306.525	2296.725	2300.155	2291.102
47.0	2291.779	2275.305	2267.312	2272.213	2262.825
47.5	2260.490	2244.554	2238.366	2242.667	2234.750
48.0	2229.941	2215.273	2208.283	2214.858	2207.074
48.5	2199.189	2184.389	2179.337	2184.775	2178.930
49.0	2168.437	2153.972	2150.593	2158.639	2151.455
49.5	2136.012	2123.220	2121.313	2129.491	2124.517
50.0	2105.462	2092.670	2091.900	2100.413	2096.840
50.5	2074.041	2063.187	2062.284	2072.938	2069.498
51.0	2042.153	2030.832	2032.202	2042.988	2039.081
51.5	2009.930	1998.811	2002.119	2013.038	2011.739
52.0	1977.909	1967.724	1973.306	1984.964	1982.459
52.5	1946.355	1937.774	1943.224	1958.089	1955.584
53.0	1914.265	1905.419	1913.943	1926.801	1925.167
53.5	1882.711	1875.002	1884.663	1898.524	1897.692
54.0	1849.219	1844.250	1853.443	1867.438	1867.540
54.5	1815.057	1811.092	1822.357	1837.822	1838.727

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55.0	1786.111	1780.473	1793.878	1807.671	1809.579
55.5	1752.619	1748.117	1762.792	1778.858	1781.701
56.0	1719.929	1717.366	1733.979	1749.242	1751.751
56.5	1688.508	1686.146	1702.090	1719.425	1720.999
57.0	1656.285	1654.593	1672.141	1689.141	1692.919
57.5	1623.594	1623.841	1641.389	1657.385	1662.098
58.0	1590.569	1592.287	1610.770	1627.568	1630.942
58.5	1557.210	1559.597	1579.216	1598.086	1601.258
59.0	1526.123	1529.312	1549.266	1567.600	1573.178
59.5	1493.098	1496.287	1518.982	1537.448	1545.899
60.0	1459.271	1463.597	1488.028	1508.565	1516.013
60.5	1427.048	1432.176	1456.607	1478.212	1485.660
61.0	1394.658	1402.359	1427.592	1446.722	1454.169
61.5	1362.335	1368.867	1397.106	1415.099	1423.481
62.0	1329.176	1338.248	1366.821	1384.745	1391.454
62.5	1296.719	1305.690	1336.537	1352.920	1359.428
63.0	1266.835	1275.339	1305.116	1321.765	1328.070
63.5	1233.475	1242.948	1274.162	1289.605	1296.246
64.0	1200.115	1209.823	1241.737	1257.446	1263.884
64.5	1166.689	1177.399	1209.647	1225.126	1231.537
65.0	1132.661	1145.009	1178.024	1192.953	1199.175
65.5	1099.268	1112.719	1146.816	1162.519	1166.305
66.0	1065.875	1080.135	1114.859	1130.827	1135.122
66.5	1032.415	1048.052	1082.995	1098.305	1102.426
67.0	999.102	1015.849	1050.797	1065.958	1068.995
67.5	966.104	983.585	1018.505	1032.366	1036.619
68.0	932.597	951.496	986.299	999.764	1004.150
68.5	899.572	919.373	954.729	967.563	971.266
69.0	866.520	887.751	922.871	934.853	938.449
69.5	834.290	856.075	891.267	902.659	905.042
70.0	802.548	824.888	859.101	869.735	871.998
70.5	770.612	793.533	827.135	836.483	839.301
71.0	738.382	762.326	795.410	803.854	806.898
71.5	707.242	731.279	763.946	772.020	774.923
72.0	675.708	700.633	733.003	740.259	743.054
72.5	644.888	670.214	701.631	708.732	710.738
73.0	614.591	640.216	670.808	677.091	677.292
73.5	584.146	610.325	639.677	645.524	645.424
74.0	554.603	580.902	609.061	613.843	614.444
74.5	525.342	551.740	578.759	582.804	584.246
75.0	496.267	522.992	549.105	552.474	555.278
75.5	467.567	494.665	519.692	523.680	526.758
76.0	439.449	466.612	490.687	495.475	497.488
76.5	412.233	439.395	461.568	466.240	470.030
77.0	385.398	412.485	433.065	437.179	439.872
77.5	359.171	386.271	405.189	410.437	408.011
78.0	333.499	360.357	378.042	381.952	375.915
78.5	308.503	335.118	351.972	352.042	346.158
79.0	284.201	310.461	327.030	322.822	318.292
79.5	260.729	286.385	300.927	295.712	291.950
80.0	238.373	263.212	276.434	269.873	266.377
80.5	216.472	240.814	253.933	245.230	242.189
81.0	195.607	218.917	229.948	221.617	219.157
81.5	175.391	198.070	206.532	199.469	197.055
82.0	156.438	178.660	185.115	178.484	174.807
82.5	138.521	159.632	165.021	157.774	152.702

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CANDELA TABULATION - (Cont.)

83.0	121.593	141.332	146.063	136.826	131.948
83.5	105.896	124.122	127.942	117.262	113.663
84.0	91.108	108.049	110.857	100.287	98.761
84.5	77.483	93.286	94.415	86.582	86.392
85.0	64.962	79.773	78.883	74.829	74.887
85.5	53.590	66.802	65.558	64.226	64.252
86.0	43.448	55.469	54.741	54.172	54.145
86.5	34.523	45.259	45.302	44.920	45.461
87.0	26.635	36.259	36.718	36.899	36.992
87.5	20.056	28.230	29.245	28.851	28.724
88.0	14.614	21.478	22.179	21.371	21.004
88.5	10.369	15.675	15.315	13.912	13.497
89.0	7.113	10.368	9.352	8.397	8.304
89.5	4.620	6.257	5.048	5.228	5.355
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-L33-927-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-L33-927-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-L33-927-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1446.96	N.A.	14.30
0-30	3024.51	N.A.	29.80
0-40	4864.63	N.A.	47.90
0-60	8310.65	N.A.	81.90
0-80	10040.68	N.A.	99.00
0-90	10145.33	N.A.	100.00
10-90	9766.95	N.A.	96.30
20-40	3417.67	N.A.	33.70
20-50	5259.88	N.A.	51.80
40-70	4602.8	N.A.	45.40
60-80	1730.02	N.A.	17.10
70-80	573.25	N.A.	5.70
80-90	104.65	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	10145.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	378.38
10-20	1068.58
20-30	1577.54
30-40	1840.12
40-50	1842.22
50-60	1603.81
60-70	1156.78
70-80	573.25
80-90	104.65
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-L33-927-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	82	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	49	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-L33-927-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

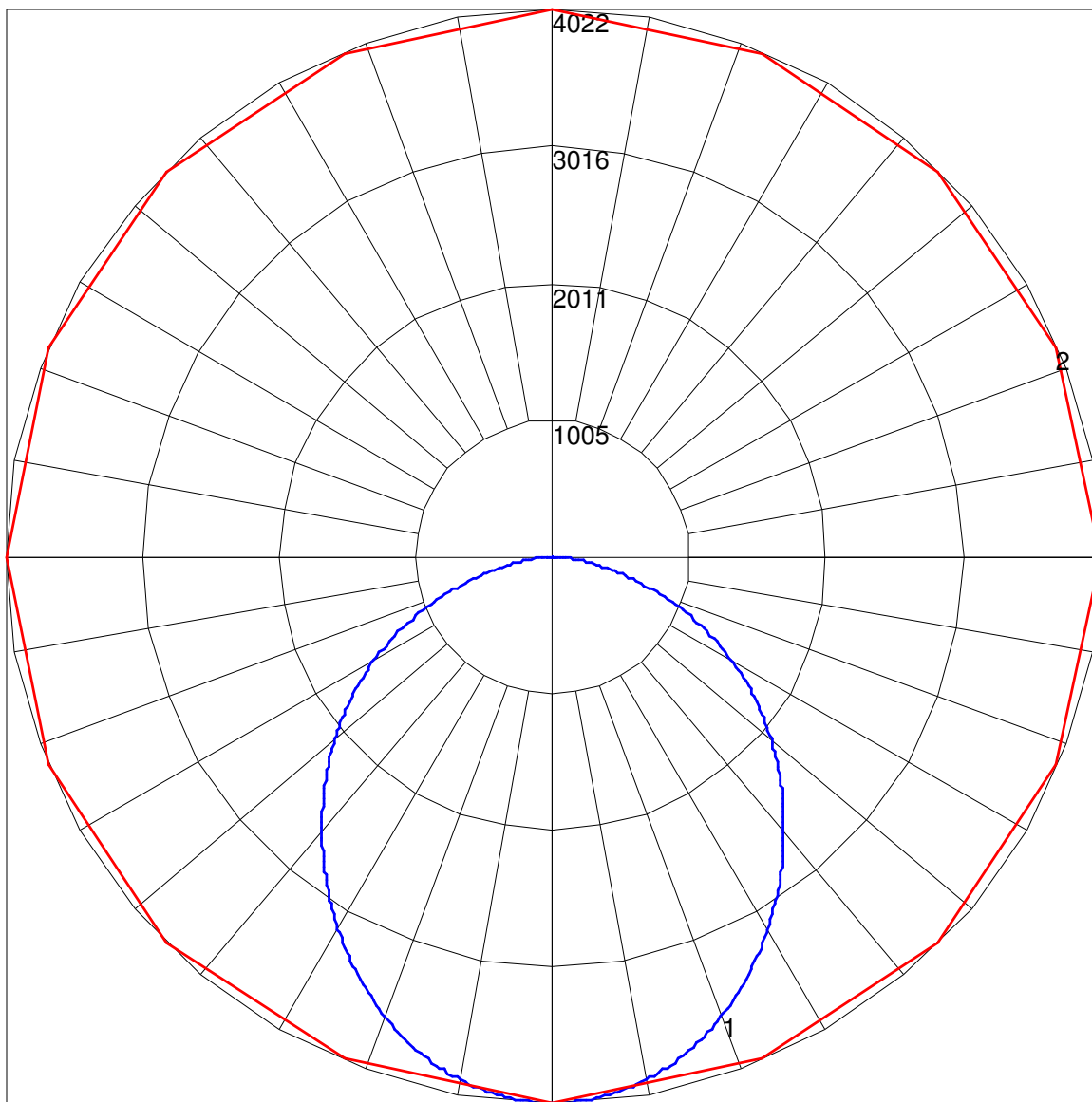
Reflectances

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	17.7	19.3	18.1	19.6	19.9	17.9	19.5	18.2	19.8	20.1
	3H	19.2	20.7	19.6	21.0	21.4	19.5	20.9	19.9	21.3	21.6
	4H	19.7	21.1	20.1	21.4	21.8	20.0	21.4	20.4	21.7	22.1
	6H	19.9	21.2	20.4	21.6	22.0	20.3	21.6	20.7	21.9	22.3
	8H	20.0	21.2	20.4	21.6	22.0	20.4	21.5	20.8	21.9	22.3
	12H	20.0	21.1	20.4	21.5	21.9	20.3	21.5	20.8	21.9	22.3
4H	2H	18.3	19.7	18.7	20.0	20.4	18.4	19.8	18.8	20.1	20.5
	3H	20.0	21.2	20.4	21.6	22.0	20.3	21.4	20.7	21.8	22.2
	4H	20.6	21.6	21.0	22.0	22.5	20.9	21.9	21.3	22.3	22.8
	6H	20.9	21.8	21.4	22.3	22.7	21.3	22.2	21.7	22.6	23.0
	8H	21.0	21.8	21.5	22.3	22.7	21.3	22.2	21.8	22.6	23.1
	12H	21.0	21.8	21.5	22.3	22.7	21.3	22.1	21.8	22.6	23.0
8H	4H	20.8	21.7	21.3	22.1	22.6	21.1	21.9	21.6	22.4	22.8
	6H	21.3	22.0	21.8	22.4	22.9	21.6	22.2	22.0	22.7	23.2
	8H	21.4	22.0	21.9	22.5	23.0	21.6	22.3	22.2	22.8	23.3
	12H	21.4	22.0	21.9	22.5	23.0	21.7	22.2	22.2	22.7	23.3
12H	4H	20.9	21.6	21.3	22.1	22.5	21.1	21.8	21.6	22.3	22.8
	6H	21.3	21.9	21.8	22.4	22.9	21.6	22.2	22.1	22.6	23.2
	8H	21.4	22.0	21.9	22.5	23.0	21.7	22.2	22.2	22.7	23.3

Maximum UGR = 23.3

POLAR GRAPH



Maximum Candela = 4021.621 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.)