

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L66-827-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-L66-827-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	15490
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	133.9
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	8295	8453	8669
55	7595	7983	8353
65	6551	7266	7650
75	4699	5617	5796
85	1829	2155	1967

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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	5931.122	5931.122	5931.122	5931.122	5931.122
0.5	5932.263	5927.570	5929.009	5926.222	5924.560
1.0	5942.247	5923.381	5935.479	5921.398	5939.070
1.5	5936.788	5919.193	5928.037	5918.818	5931.834
2.0	5934.208	5913.864	5920.801	5925.717	5933.404
2.5	5929.177	5909.339	5915.939	5917.639	5922.149
3.0	5924.821	5917.248	5919.155	5906.008	5917.884
3.5	5928.205	5915.135	5906.253	5906.981	5924.017
4.0	5914.836	5903.038	5906.682	5901.652	5918.856
4.5	5911.582	5903.841	5892.004	5892.265	5904.178
5.0	5907.524	5897.670	5894.416	5881.943	5905.243
5.5	5901.522	5888.957	5885.029	5889.309	5898.604
6.0	5892.977	5880.037	5874.371	5870.405	5891.331
6.5	5878.130	5866.630	5873.529	5868.123	5881.775
7.0	5877.288	5864.854	5858.644	5858.399	5862.740
7.5	5865.995	5853.223	5850.268	5844.188	5858.177
8.0	5856.607	5842.565	5845.873	5834.633	5844.732
8.5	5836.769	5829.288	5828.408	5815.729	5832.428
9.0	5833.010	5819.901	5817.712	5807.781	5825.453
9.5	5825.230	5809.075	5800.921	5800.300	5807.819
10.0	5806.831	5795.967	5790.898	5781.901	5797.085
10.5	5784.880	5783.195	5778.088	5767.821	5776.909
11.0	5760.049	5763.020	5761.634	5751.627	5772.476
11.5	5761.580	5752.660	5741.252	5738.182	5750.356
12.0	5748.641	5737.309	5729.920	5724.737	5730.609
12.5	5736.505	5717.264	5719.224	5705.495	5715.258
13.0	5708.290	5700.771	5696.767	5691.882	5703.382
13.5	5695.182	5684.279	5680.236	5667.649	5695.228
14.0	5677.717	5669.861	5665.351	5647.266	5673.069
14.5	5662.495	5648.208	5641.287	5635.092	5644.648
15.0	5638.767	5627.060	5621.540	5612.934	5626.976
15.5	5627.903	5601.051	5600.522	5591.411	5595.170
16.0	5598.845	5581.809	5583.188	5572.300	5593.409
16.5	5585.400	5562.568	5560.394	5553.357	5561.098
17.0	5561.971	5540.578	5540.984	5526.038	5546.979
17.5	5537.738	5517.953	5514.301	5503.543	5520.296
18.0	5506.100	5492.578	5492.946	5485.068	5492.472
18.5	5494.094	5478.965	5471.423	5458.384	5462.105
19.0	5463.728	5442.971	5440.084	5438.301	5441.348
19.5	5444.487	5423.056	5420.001	5413.057	5417.076
20.0	5409.932	5398.149	5391.074	5388.448	5385.868
20.5	5395.813	5370.363	5370.018	5363.204	5364.475
21.0	5347.760	5344.016	5338.343	5342.784	5342.110
21.5	5331.061	5319.913	5313.099	5310.136	5312.509
22.0	5309.201	5291.958	5284.003	5281.170	5291.752
22.5	5282.387	5261.890	5256.179	5255.758	5252.971
23.0	5245.888	5235.207	5234.618	5231.785	5239.786
23.5	5224.197	5206.916	5200.530	5201.212	5210.316
24.0	5195.438	5175.240	5174.145	5168.058	5180.546
24.5	5155.386	5145.976	5142.937	5141.673	5144.981
25.0	5128.871	5115.104	5113.504	5108.857	5118.596
25.5	5101.552	5085.037	5082.296	5083.743	5087.686
26.0	5070.045	5054.165	5050.115	5055.582	5061.432
26.5	5033.844	5022.321	5016.326	5020.652	5025.529

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CANDELA TABULATION - (Cont.)

27.0	5006.188	4990.140	4993.961	4989.911	4994.619
27.5	4970.156	4955.884	4955.348	4961.412	4974.161
28.0	4932.684	4921.459	4915.763	4931.475	4930.388
28.5	4902.915	4889.447	4890.649	4898.957	4899.945
29.0	4866.714	4857.266	4852.672	4868.682	4877.878
29.5	4833.898	4820.897	4821.762	4828.761	4836.180
30.0	4799.642	4784.864	4788.440	4803.478	4810.224
30.5	4761.833	4754.291	4757.699	4769.352	4780.922
31.0	4730.456	4714.538	4722.769	4735.694	4739.224
31.5	4689.094	4680.749	4683.819	4702.035	4712.969
32.0	4657.886	4645.184	4647.917	4669.517	4680.750
32.5	4613.944	4606.870	4612.015	4639.243	4646.922
33.0	4581.595	4569.696	4581.909	4601.396	4608.272
33.5	4542.982	4531.551	4538.435	4562.278	4572.201
34.0	4504.201	4493.405	4505.748	4537.463	4540.954
34.5	4465.083	4455.091	4469.211	4496.568	4508.099
35.0	4425.330	4415.973	4432.168	4466.294	4478.460
35.5	4387.988	4375.416	4395.461	4427.811	4437.398
36.0	4348.235	4338.710	4358.587	4392.376	4405.645
36.5	4307.509	4298.619	4320.908	4357.914	4365.555
37.0	4266.614	4260.305	4281.622	4320.403	4330.120
37.5	4225.253	4218.607	4243.944	4287.212	4304.332
38.0	4179.367	4179.321	4206.901	4247.121	4261.662
38.5	4144.268	4137.623	4167.614	4215.875	4228.807
39.0	4100.158	4100.281	4128.328	4176.588	4190.623
39.5	4057.824	4055.198	4088.704	4142.761	4153.243
40.0	4014.013	4016.716	4050.222	4105.886	4117.977
40.5	3971.511	3973.241	4009.159	4064.655	4082.373
41.0	3930.616	3932.983	3971.481	4029.557	4038.898
41.5	3883.421	3890.143	3932.026	3992.514	3999.275
42.0	3840.283	3847.473	3890.963	3950.647	3962.232
42.5	3798.585	3803.026	3848.928	3913.773	3923.581
43.0	3753.334	3762.935	3812.222	3877.702	3892.166
43.5	3710.663	3718.657	3768.579	3837.275	3856.095
44.0	3667.188	3675.818	3729.124	3796.044	3814.864
44.5	3622.741	3633.147	3689.669	3760.777	3779.261
45.0	3579.267	3589.504	3647.634	3720.518	3740.778
45.5	3534.016	3544.253	3606.403	3685.252	3699.080
46.0	3487.157	3501.414	3564.536	3644.993	3662.841
46.5	3443.851	3458.108	3524.277	3604.099	3623.386
47.0	3403.592	3412.688	3482.242	3564.644	3583.127
47.5	3356.098	3367.437	3440.375	3523.244	3544.308
48.0	3312.286	3324.767	3396.732	3483.154	3503.582
48.5	3267.035	3280.151	3354.866	3439.511	3462.688
49.0	3221.784	3235.704	3314.438	3403.440	3423.401
49.5	3172.514	3190.453	3271.768	3360.134	3386.358
50.0	3128.702	3146.642	3229.733	3318.903	3345.632
50.5	3081.843	3102.532	3186.258	3279.616	3305.711
51.0	3034.816	3055.336	3142.615	3235.338	3261.264
51.5	2986.985	3008.944	3098.972	3191.059	3221.342
52.0	2940.593	2962.889	3056.470	3152.240	3178.671
52.5	2894.369	2918.611	3012.827	3112.486	3138.918
53.0	2845.903	2871.415	2970.156	3064.992	3094.471
53.5	2799.679	2826.968	2927.485	3024.733	3055.184
54.0	2750.707	2781.717	2882.066	2978.678	3009.466
54.5	2700.127	2733.549	2836.011	2935.204	2966.964

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CANDELA TABULATION - (Cont.)

55.0	2658.261	2687.662	2794.313	2889.486	2923.658
55.5	2609.288	2640.467	2748.258	2846.984	2881.492
56.0	2561.289	2595.216	2705.756	2803.509	2837.214
56.5	2514.430	2549.796	2658.728	2758.595	2791.963
57.0	2466.599	2503.573	2614.450	2713.512	2748.358
57.5	2418.599	2458.322	2569.199	2665.850	2701.032
58.0	2369.795	2412.099	2523.312	2620.935	2652.902
58.5	2320.188	2364.099	2477.089	2576.825	2607.353
59.0	2274.133	2319.016	2432.810	2530.303	2563.748
59.5	2225.329	2270.213	2387.728	2484.585	2521.116
60.0	2175.553	2222.213	2341.038	2440.008	2474.126
60.5	2127.722	2175.354	2294.179	2392.851	2426.969
61.0	2079.488	2130.440	2250.237	2343.917	2378.035
61.5	2031.416	2081.468	2203.715	2295.619	2330.074
62.0	1982.291	2035.582	2158.632	2248.461	2278.896
62.5	1933.897	1986.946	2113.550	2198.723	2227.719
63.0	1888.822	1941.703	2066.691	2150.593	2178.150
63.5	1839.214	1893.470	2020.001	2100.052	2128.412
64.0	1789.607	1844.425	1970.730	2049.510	2076.431
64.5	1739.838	1796.111	1922.263	1998.774	2024.865
65.0	1689.580	1747.878	1873.965	1947.817	1972.883
65.5	1639.892	1699.886	1826.568	1900.562	1919.489
66.0	1590.204	1651.378	1777.465	1850.189	1870.529
66.5	1540.355	1603.597	1728.875	1798.013	1817.744
67.0	1490.764	1555.431	1679.481	1746.447	1763.668
67.5	1441.834	1507.312	1629.575	1692.177	1711.272
68.0	1391.968	1459.324	1579.495	1639.904	1658.364
68.5	1342.686	1411.255	1530.464	1588.118	1604.554
69.0	1293.531	1363.914	1480.646	1534.917	1550.427
69.5	1245.492	1316.348	1431.534	1482.860	1495.267
70.0	1198.244	1269.574	1381.264	1429.241	1441.263
70.5	1150.721	1222.397	1330.997	1375.025	1387.521
71.0	1102.683	1175.479	1281.022	1321.922	1334.295
71.5	1056.403	1128.755	1231.004	1270.063	1281.428
72.0	1009.367	1082.517	1181.857	1218.093	1228.531
72.5	963.476	1036.634	1131.873	1166.208	1175.131
73.0	918.458	991.381	1082.632	1114.144	1120.162
73.5	873.181	946.099	1032.940	1061.971	1067.265
74.0	829.117	901.464	983.911	1009.620	1015.645
74.5	785.633	857.264	935.064	958.525	964.854
75.0	742.217	813.487	887.202	908.370	915.394
75.5	699.414	770.340	839.632	859.998	866.437
76.0	657.435	727.565	792.755	812.179	816.254
76.5	616.670	685.843	745.701	763.034	768.226
77.0	576.726	644.574	699.552	714.018	717.244
77.5	537.480	604.307	654.244	668.094	664.555
78.0	499.185	564.284	610.019	620.175	611.303
78.5	461.748	525.120	567.139	570.649	560.807
79.0	425.314	486.781	525.827	521.918	512.086
79.5	390.203	449.266	483.345	475.589	465.691
80.0	356.725	412.965	443.015	430.878	420.666
80.5	323.958	377.764	405.179	387.897	377.918
81.0	292.726	343.290	365.784	346.723	337.089
81.5	262.479	310.287	327.277	307.921	298.304
82.0	234.122	279.306	291.472	271.247	260.218
82.5	207.301	249.145	257.511	235.902	224.097

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CANDELA TABULATION - (Cont.)

83.0	181.998	220.068	225.326	201.701	191.128
83.5	158.505	192.749	194.673	170.733	162.944
84.0	136.433	167.207	166.033	144.456	140.216
84.5	116.010	143.573	139.128	123.458	121.476
85.0	97.283	121.892	114.601	105.623	104.619
85.5	80.270	101.227	93.945	89.980	89.374
86.0	65.066	83.065	77.404	75.559	75.208
86.5	51.735	66.743	63.410	62.589	63.126
87.0	39.940	52.566	51.091	51.430	51.464
87.5	30.052	40.242	40.676	40.397	40.283
88.0	21.941	30.223	30.954	30.253	29.847
88.5	15.559	21.913	21.715	20.253	19.830
89.0	10.696	14.602	13.689	12.730	12.696
89.5	6.995	9.020	7.833	8.171	8.285
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-L66-827-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-L66-827-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-L66-827-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2144.67	N.A.	13.80
0-30	4500.83	N.A.	29.10
0-40	7278.09	N.A.	47.00
0-60	12589.58	N.A.	81.30
0-80	15331.38	N.A.	99.00
0-90	15490.45	N.A.	100.00
10-90	14931.00	N.A.	96.40
20-40	5133.42	N.A.	33.10
20-50	7951.86	N.A.	51.30
40-70	7138.86	N.A.	46.10
60-80	2741.8	N.A.	17.70
70-80	914.43	N.A.	5.90
80-90	159.07	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	15490.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	559.46
10-20	1585.21
20-30	2356.17
30-40	2777.25
40-50	2818.44
50-60	2493.06
60-70	1827.36
70-80	914.43
80-90	159.07
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-L66-827-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	64	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	28	39	32	27	38	32	27	37	31	27	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR4AEG-L66-827-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

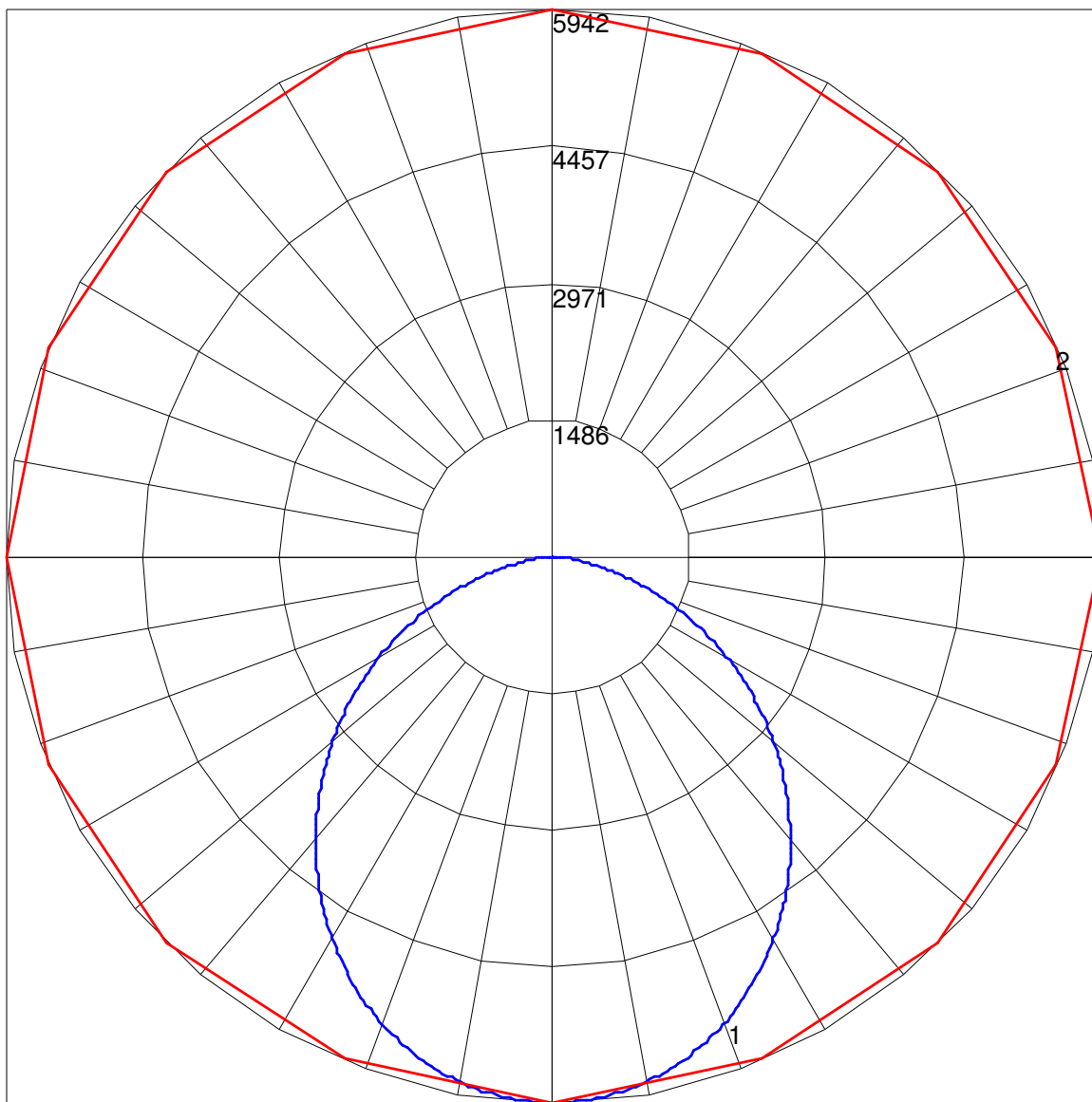
Reflectances

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	19.0	20.6	19.4	20.9	21.2	19.6	21.2	20.0	21.5	21.9
	3H	20.5	22.0	20.9	22.3	22.7	21.3	22.8	21.7	23.1	23.5
	4H	21.0	22.4	21.4	22.7	23.1	21.8	23.2	22.2	23.6	23.9
	6H	21.3	22.5	21.7	22.9	23.3	22.1	23.4	22.5	23.8	24.1
	8H	21.3	22.5	21.7	22.9	23.3	22.2	23.4	22.6	23.8	24.2
	12H	21.3	22.5	21.8	22.9	23.3	22.2	23.3	22.6	23.7	24.1
4H	2H	19.7	21.1	20.1	21.4	21.8	20.2	21.5	20.6	21.9	22.3
	3H	21.4	22.6	21.8	23.0	23.4	22.1	23.2	22.5	23.6	24.0
	4H	22.0	23.0	22.4	23.4	23.9	22.7	23.7	23.1	24.2	24.6
	6H	22.4	23.2	22.8	23.7	24.1	23.1	24.0	23.6	24.4	24.9
	8H	22.4	23.3	22.9	23.7	24.2	23.1	24.0	23.6	24.4	24.9
	12H	22.4	23.2	22.9	23.7	24.1	23.2	23.9	23.6	24.4	24.9
8H	4H	22.3	23.1	22.8	23.6	24.0	22.9	23.8	23.4	24.2	24.7
	6H	22.7	23.4	23.2	23.9	24.4	23.4	24.1	23.9	24.5	25.0
	8H	22.8	23.4	23.3	23.9	24.4	23.4	24.1	24.0	24.6	25.1
	12H	22.9	23.4	23.4	23.9	24.5	23.5	24.0	24.0	24.5	25.1
12H	4H	22.3	23.0	22.8	23.5	24.0	22.9	23.7	23.4	24.2	24.6
	6H	22.7	23.4	23.3	23.8	24.4	23.4	24.0	23.9	24.5	25.0
	8H	22.9	23.4	23.4	23.9	24.5	23.5	24.0	24.0	24.5	25.1

Maximum UGR = 25.1

POLAR GRAPH



Maximum Candela = 5942.247 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.)