

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L33-830-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-L33-830-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	12555
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
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	6915	6834	6809
55	6315	6342	6398
65	5435	5653	5754
75	3888	4302	4351
85	1511	1835	1742

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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	4968.238	4968.238	4968.238	4968.238	4968.238
0.5	4969.809	4965.425	4965.675	4960.798	4966.824
1.0	4975.935	4962.776	4971.465	4958.313	4976.756
1.5	4973.614	4960.127	4964.682	4956.493	4973.029
2.0	4971.794	4955.908	4960.955	4959.063	4971.380
2.5	4966.253	4952.102	4955.993	4952.444	4965.582
3.0	4963.026	4958.142	4957.650	4943.013	4957.978
3.5	4965.261	4955.579	4948.546	4944.005	4962.612
4.0	4956.900	4946.890	4945.326	4939.786	4958.970
4.5	4952.766	4947.304	4934.816	4931.018	4948.461
5.0	4948.218	4940.193	4936.059	4923.735	4945.076
5.5	4941.685	4933.738	4927.291	4925.563	4938.707
6.0	4935.809	4924.228	4918.852	4909.927	4932.503
6.5	4924.721	4913.390	4915.960	4906.785	4923.157
7.0	4921.829	4911.983	4902.394	4896.860	4909.420
7.5	4913.554	4902.551	4897.096	4885.608	4903.137
8.0	4904.786	4894.112	4891.392	4876.262	4889.821
8.5	4890.635	4881.375	4876.005	4860.626	4878.076
9.0	4884.766	4872.607	4865.088	4852.108	4870.550
9.5	4876.827	4863.589	4852.015	4842.847	4854.586
10.0	4862.925	4851.430	4843.412	4828.946	4841.191
10.5	4846.211	4840.428	4829.932	4815.795	4825.883
11.0	4828.997	4825.120	4818.015	4800.080	4817.701
11.5	4824.870	4815.360	4799.652	4786.764	4800.408
12.0	4813.289	4802.537	4788.899	4773.448	4781.880
12.5	4802.122	4785.330	4777.982	4756.655	4769.057
13.0	4782.674	4770.936	4759.533	4742.761	4754.092
13.5	4770.515	4756.542	4742.661	4722.905	4742.518
14.0	4755.128	4742.233	4729.096	4704.541	4722.748
14.5	4740.406	4724.198	4709.818	4690.897	4700.243
15.0	4722.285	4707.898	4691.290	4671.127	4681.800
15.5	4710.790	4686.636	4673.091	4651.192	4657.061
16.0	4688.449	4669.843	4655.805	4632.500	4646.322
16.5	4675.133	4653.050	4636.199	4614.386	4619.848
17.0	4655.692	4633.858	4618.828	4590.974	4604.219
17.5	4635.836	4614.830	4595.252	4570.047	4580.643
18.0	4611.675	4593.404	4575.896	4551.191	4555.496
18.5	4598.609	4579.509	4555.961	4527.615	4531.007
19.0	4574.119	4552.121	4530.479	4507.930	4509.008
19.5	4557.326	4533.015	4510.794	4484.605	4486.675
20.0	4530.188	4510.845	4486.555	4461.114	4459.294
20.5	4514.558	4488.176	4465.878	4437.788	4437.460
21.0	4480.959	4465.757	4439.239	4416.947	4414.634
21.5	4463.509	4444.002	4415.913	4389.316	4388.080
22.0	4442.418	4420.755	4391.095	4362.598	4366.082
22.5	4420.741	4394.944	4365.948	4338.694	4333.818
23.0	4391.618	4371.369	4343.536	4315.040	4316.703
23.5	4371.105	4346.965	4315.655	4287.494	4288.251
24.0	4347.444	4320.326	4290.758	4258.128	4261.119
24.5	4315.507	4294.930	4263.377	4233.231	4230.511
25.0	4292.510	4268.705	4237.402	4205.022	4205.614
25.5	4269.098	4242.894	4210.021	4179.796	4176.912
26.0	4243.038	4216.670	4181.647	4153.493	4150.116
26.5	4212.594	4189.453	4152.445	4122.720	4118.350

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CANDELA TABULATION - (Cont.)

27.0	4188.025	4161.079	4129.619	4094.596	4089.648
27.5	4158.159	4132.620	4097.932	4067.136	4066.329
28.0	4128.044	4103.582	4065.253	4039.427	4031.001
28.5	4100.912	4075.786	4040.028	4009.896	4001.556
29.0	4070.468	4047.413	4008.177	3981.030	3977.409
29.5	4042.258	4016.390	3979.475	3947.194	3942.167
30.0	4013.799	3986.524	3949.531	3921.390	3914.050
30.5	3982.527	3958.979	3921.407	3891.032	3886.176
31.0	3954.567	3925.721	3890.634	3859.930	3850.934
31.5	3920.481	3896.519	3857.791	3828.829	3824.138
32.0	3893.100	3865.911	3826.025	3799.299	3793.286
32.5	3857.194	3832.903	3794.260	3770.432	3761.607
33.0	3828.242	3801.467	3765.972	3736.682	3727.442
33.5	3796.555	3769.037	3729.323	3703.261	3695.099
34.0	3764.290	3736.608	3699.215	3676.714	3665.240
34.5	3730.869	3703.601	3667.614	3641.886	3634.553
35.0	3697.611	3670.179	3634.278	3613.020	3605.522
35.5	3665.596	3636.508	3602.098	3579.434	3570.115
36.0	3632.339	3604.329	3569.341	3546.926	3538.521
36.5	3598.089	3569.914	3536.169	3515.411	3504.107
37.0	3563.261	3536.907	3502.169	3482.817	3471.600
37.5	3529.176	3501.665	3468.997	3450.973	3444.061
38.0	3491.285	3467.665	3435.661	3416.559	3407.826
38.5	3459.934	3432.423	3401.661	3386.700	3377.139
39.0	3423.449	3400.408	3367.661	3352.700	3342.232
39.5	3388.371	3362.931	3332.505	3321.021	3307.740
40.0	3350.566	3329.345	3298.919	3288.263	3275.810
40.5	3314.909	3292.696	3263.512	3252.278	3242.724
41.0	3280.081	3257.704	3230.341	3220.927	3206.075
41.5	3240.041	3220.891	3195.762	3187.591	3170.919
42.0	3204.549	3184.656	3160.356	3151.771	3137.583
42.5	3169.307	3147.015	3123.957	3119.013	3103.418
43.0	3131.251	3112.601	3091.778	3086.669	3072.981
43.5	3095.017	3075.538	3054.550	3051.099	3040.638
44.0	3058.368	3038.725	3019.972	3015.114	3004.653
44.5	3020.727	3002.490	2985.394	2983.184	2971.567
45.0	2984.078	2965.263	2948.995	2948.192	2937.981
45.5	2946.023	2927.208	2913.010	2916.263	2902.738
46.0	2907.139	2890.395	2877.190	2881.270	2869.817
46.5	2871.069	2854.324	2842.197	2846.442	2835.238
47.0	2836.076	2815.691	2805.798	2811.864	2800.246
47.5	2797.357	2777.635	2769.978	2775.301	2765.503
48.0	2759.551	2741.401	2732.751	2740.887	2731.254
48.5	2721.496	2703.181	2696.930	2703.659	2696.425
49.0	2683.441	2665.540	2661.359	2671.316	2662.425
49.5	2643.315	2627.484	2625.125	2635.246	2629.090
50.0	2605.510	2589.679	2588.726	2599.261	2594.840
50.5	2566.626	2553.194	2552.077	2565.261	2561.004
51.0	2527.164	2513.154	2514.850	2528.198	2523.363
51.5	2487.288	2473.528	2477.623	2491.135	2489.527
52.0	2447.662	2435.059	2441.966	2456.392	2453.292
52.5	2408.614	2397.996	2404.739	2423.135	2420.035
53.0	2368.903	2357.956	2368.505	2384.416	2382.394
53.5	2329.855	2320.314	2332.270	2349.423	2348.394
54.0	2288.408	2282.259	2293.636	2310.954	2311.081
54.5	2246.133	2241.226	2255.167	2274.305	2275.425

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55.0	2210.313	2203.335	2219.925	2236.993	2239.355
55.5	2168.866	2163.295	2181.455	2201.336	2204.855
56.0	2128.412	2125.240	2145.799	2164.688	2167.792
56.5	2089.528	2086.606	2106.337	2127.789	2129.737
57.0	2049.652	2047.558	2069.274	2090.312	2094.987
57.5	2009.198	2009.503	2031.219	2051.014	2056.846
58.0	1968.329	1970.455	1993.328	2014.116	2018.291
58.5	1927.047	1930.001	1954.280	1977.631	1981.557
59.0	1888.578	1892.524	1917.217	1939.904	1946.807
59.5	1847.709	1851.656	1879.740	1902.592	1913.050
60.0	1805.848	1811.201	1841.435	1866.850	1876.066
60.5	1765.972	1772.318	1802.551	1829.287	1838.504
61.0	1725.889	1735.419	1766.645	1790.318	1799.535
61.5	1685.889	1693.973	1728.918	1751.185	1761.558
62.0	1644.855	1656.082	1691.442	1713.622	1721.925
62.5	1604.689	1615.791	1653.965	1674.239	1682.292
63.0	1567.708	1578.232	1615.081	1635.684	1643.487
63.5	1526.425	1538.149	1576.776	1595.887	1604.104
64.0	1485.143	1497.156	1536.650	1556.089	1564.057
64.5	1443.778	1457.032	1496.938	1516.094	1524.027
65.0	1401.668	1416.949	1457.805	1476.279	1483.980
65.5	1360.344	1376.990	1419.185	1438.617	1443.303
66.0	1319.020	1336.667	1379.638	1399.398	1404.713
66.5	1277.614	1296.965	1340.207	1359.153	1364.252
67.0	1236.389	1257.113	1300.361	1319.123	1322.881
67.5	1195.554	1217.187	1260.400	1277.553	1282.816
68.0	1154.089	1177.476	1220.545	1237.208	1242.636
68.5	1113.220	1137.724	1181.477	1197.359	1201.942
69.0	1072.318	1098.592	1142.052	1156.881	1161.330
69.5	1032.433	1059.393	1102.943	1117.040	1119.990
70.0	993.153	1020.799	1063.138	1076.297	1079.098
70.5	953.633	981.997	1023.580	1035.148	1038.635
71.0	913.748	943.378	984.320	994.769	998.536
71.5	875.212	904.957	945.383	955.375	958.967
72.0	836.188	867.033	907.091	916.071	919.530
72.5	798.049	829.389	868.269	877.056	879.538
73.0	760.556	792.267	830.125	837.901	838.149
73.5	722.880	755.277	791.601	798.836	798.712
74.0	686.322	718.866	753.713	759.631	760.375
74.5	650.111	682.778	716.214	721.220	723.005
75.0	614.131	647.203	679.518	683.686	687.157
75.5	578.614	612.148	643.119	648.054	651.863
76.0	543.818	577.433	607.225	613.150	615.642
76.5	510.138	543.752	571.191	576.972	581.662
77.0	476.930	510.451	535.917	541.009	544.342
77.5	444.474	478.010	501.422	507.916	504.913
78.0	412.706	445.942	467.827	472.665	465.195
78.5	381.772	414.709	435.565	435.652	428.371
79.0	351.699	384.195	404.700	399.492	393.886
79.5	322.652	354.402	372.397	365.944	361.288
80.0	294.987	325.725	342.087	333.968	329.642
80.5	267.884	298.007	314.242	303.472	299.709
81.0	242.064	270.910	284.561	274.252	271.207
81.5	217.046	245.112	255.584	246.843	243.856
82.0	193.591	221.092	229.079	220.874	216.324
82.5	171.419	197.544	204.213	195.246	188.969

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CANDELA TABULATION - (Cont.)

83.0	150.472	174.898	180.753	169.322	163.286
83.5	131.047	153.601	158.328	145.112	140.658
84.0	112.746	133.710	137.185	124.105	122.216
84.5	95.886	115.441	116.838	107.145	106.911
85.0	80.390	98.719	97.618	92.600	92.673
85.5	66.318	82.667	81.129	79.479	79.512
86.0	53.767	68.642	67.742	67.038	67.004
86.5	42.723	56.008	56.061	55.589	56.258
87.0	32.960	44.871	45.439	45.662	45.778
87.5	24.819	34.935	36.190	35.703	35.546
88.0	18.085	26.579	27.447	26.447	25.992
88.5	12.832	19.398	18.952	17.216	16.703
89.0	8.803	12.830	11.574	10.391	10.276
89.5	5.717	7.743	6.247	6.470	6.627
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-L33-830-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-L33-830-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-L33-830-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1790.62	N.A.	14.30
0-30	3742.83	N.A.	29.80
0-40	6019.98	N.A.	47.90
0-60	10284.43	N.A.	81.90
0-80	12425.34	N.A.	99.00
0-90	12554.85	N.A.	100.00
10-90	12086.6	N.A.	96.30
20-40	4229.36	N.A.	33.70
20-50	6509.1	N.A.	51.80
40-70	5695.96	N.A.	45.40
60-80	2140.91	N.A.	17.10
70-80	709.40	N.A.	5.70
80-90	129.51	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	12554.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	468.25
10-20	1322.37
20-30	1952.21
30-40	2277.15
40-50	2279.74
50-60	1984.71
60-70	1431.51
70-80	709.40
80-90	129.51
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-L33-830-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-L33-830-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

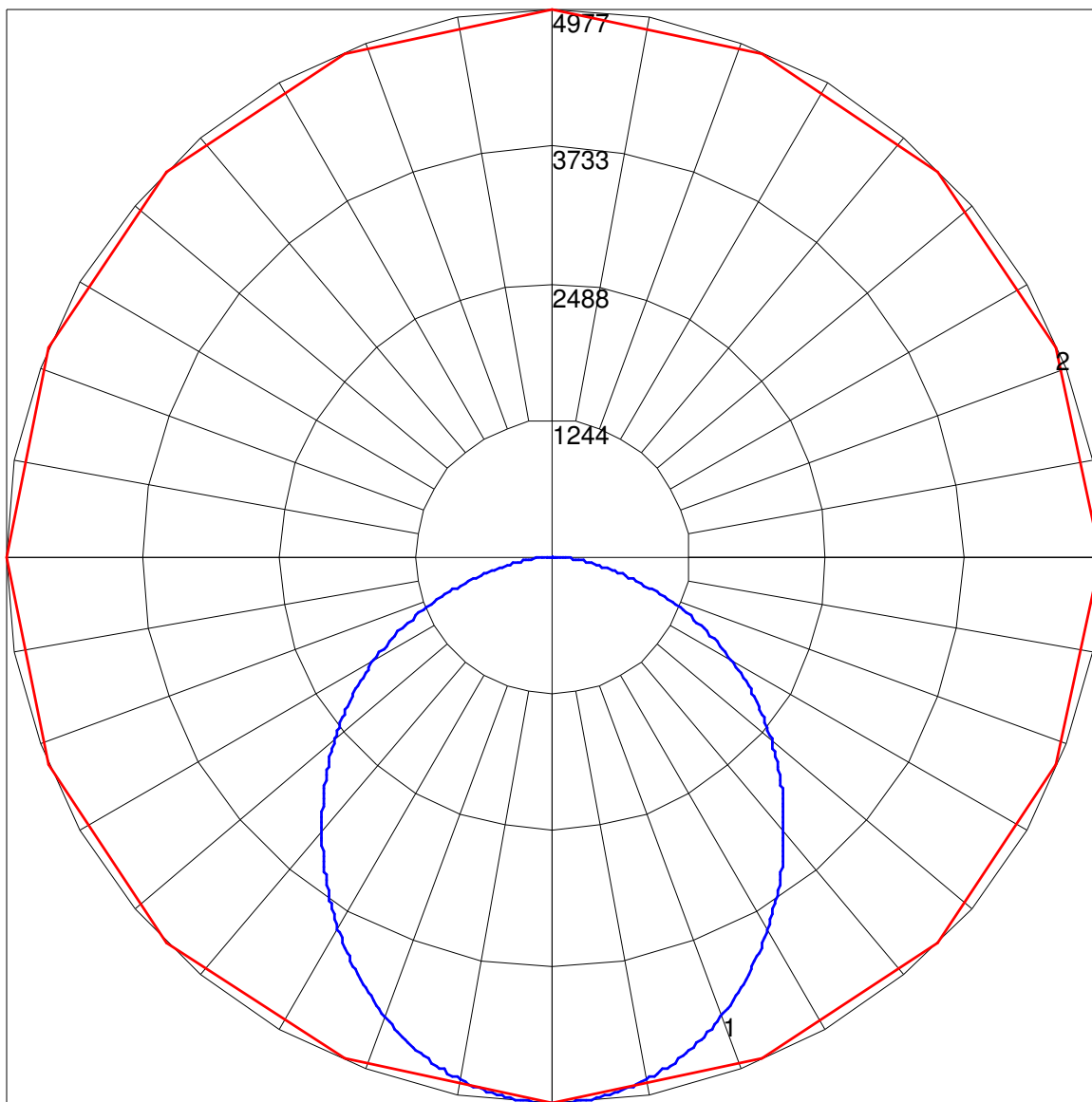
Reflectances

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	18.4	20.0	18.8	20.3	20.6	18.6	20.2	18.9	20.5	20.8
	3H	19.9	21.4	20.3	21.7	22.1	20.2	21.6	20.6	22.0	22.3
	4H	20.4	21.8	20.8	22.1	22.5	20.7	22.1	21.1	22.4	22.8
	6H	20.6	21.9	21.1	22.3	22.7	21.0	22.3	21.4	22.6	23.0
	8H	20.7	21.9	21.1	22.3	22.7	21.1	22.2	21.5	22.6	23.0
	12H	20.7	21.8	21.1	22.2	22.6	21.0	22.2	21.5	22.6	23.0
4H	2H	19.0	20.4	19.4	20.7	21.1	19.1	20.5	19.5	20.8	21.2
	3H	20.7	21.9	21.2	22.3	22.7	21.0	22.1	21.4	22.5	22.9
	4H	21.3	22.3	21.7	22.7	23.2	21.6	22.6	22.0	23.0	23.5
	6H	21.6	22.5	22.1	23.0	23.4	22.0	22.9	22.4	23.3	23.7
	8H	21.7	22.5	22.2	23.0	23.4	22.0	22.9	22.5	23.3	23.8
	12H	21.7	22.5	22.2	23.0	23.4	22.0	22.8	22.5	23.3	23.7
8H	4H	21.5	22.4	22.0	22.8	23.3	21.8	22.6	22.3	23.1	23.5
	6H	22.0	22.7	22.5	23.1	23.6	22.3	22.9	22.7	23.4	23.9
	8H	22.1	22.7	22.6	23.2	23.7	22.3	23.0	22.9	23.5	24.0
	12H	22.1	22.7	22.6	23.2	23.7	22.4	22.9	22.9	23.4	24.0
12H	4H	21.6	22.3	22.0	22.8	23.2	21.8	22.5	22.3	23.0	23.5
	6H	22.0	22.6	22.5	23.1	23.6	22.3	22.9	22.8	23.3	23.9
	8H	22.1	22.7	22.6	23.2	23.7	22.4	22.9	22.9	23.4	24.0

Maximum UGR = 24.0

POLAR GRAPH



Maximum Candela = 4976.756 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.)