

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L66-930-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-L66-930-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	13095
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
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	7012	7146	7328
55	6420	6749	7061
65	5538	6143	6467
75	3973	4749	4899
85	1546	1821	1663

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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	5013.938	5013.938	5013.938	5013.938	5013.938
0.5	5014.903	5010.935	5012.152	5009.796	5008.391
1.0	5023.343	5007.395	5017.621	5005.718	5020.657
1.5	5018.728	5003.854	5011.330	5003.537	5014.540
2.0	5016.547	4999.349	5005.213	5009.369	5015.867
2.5	5012.294	4995.524	5001.103	5002.540	5006.352
3.0	5008.611	5002.210	5003.822	4992.708	5002.747
3.5	5011.472	5000.423	4992.915	4993.530	5007.932
4.0	5000.171	4990.197	4993.278	4989.025	5003.569
4.5	4997.420	4990.876	4980.870	4981.090	4991.161
5.0	4993.990	4985.659	4982.908	4972.365	4992.061
5.5	4988.915	4978.293	4974.973	4978.591	4986.449
6.0	4981.692	4970.753	4965.963	4962.610	4980.300
6.5	4969.141	4959.419	4965.251	4960.681	4972.222
7.0	4968.429	4957.918	4952.668	4952.461	4956.131
7.5	4958.882	4948.086	4945.587	4940.448	4952.273
8.0	4950.947	4939.076	4941.872	4932.370	4940.907
8.5	4934.176	4927.852	4927.108	4916.389	4930.506
9.0	4930.998	4919.917	4918.065	4909.670	4924.609
9.5	4924.422	4910.764	4903.871	4903.347	4909.703
10.0	4908.868	4899.683	4895.398	4887.793	4900.628
10.5	4890.311	4888.887	4884.569	4875.890	4883.573
11.0	4869.320	4871.831	4870.660	4862.200	4879.825
11.5	4870.614	4863.074	4853.430	4850.834	4861.126
12.0	4859.676	4850.096	4843.850	4839.468	4844.433
12.5	4849.416	4833.151	4834.808	4823.202	4831.455
13.0	4825.565	4819.209	4815.823	4811.694	4821.416
13.5	4814.484	4805.267	4801.849	4791.208	4814.523
14.0	4799.719	4793.079	4789.266	4773.978	4795.791
14.5	4786.852	4774.774	4768.923	4763.686	4771.764
15.0	4766.793	4756.896	4752.230	4744.954	4756.825
15.5	4757.608	4734.909	4734.462	4726.760	4729.938
16.0	4733.045	4718.643	4719.808	4710.604	4728.449
16.5	4721.679	4702.377	4700.539	4694.591	4701.135
17.0	4701.872	4683.788	4684.131	4671.496	4689.199
17.5	4681.386	4664.661	4661.574	4652.480	4666.642
18.0	4654.641	4643.211	4643.521	4636.861	4643.120
18.5	4644.492	4631.702	4625.327	4614.304	4617.450
19.0	4618.822	4601.274	4598.834	4597.326	4599.902
19.5	4602.556	4584.439	4581.857	4575.986	4579.384
20.0	4573.345	4563.383	4557.403	4555.183	4553.002
20.5	4561.409	4539.894	4539.603	4533.843	4534.917
21.0	4520.787	4517.622	4512.826	4516.580	4516.010
21.5	4506.670	4497.246	4491.485	4488.981	4490.987
22.0	4488.191	4473.614	4466.889	4464.495	4473.440
22.5	4465.523	4448.196	4443.368	4443.012	4440.656
23.0	4434.668	4425.639	4425.141	4422.746	4429.510
23.5	4416.331	4401.722	4396.324	4396.901	4404.597
24.0	4392.020	4374.945	4374.020	4368.874	4379.431
24.5	4358.161	4350.207	4347.637	4346.569	4349.366
25.0	4335.747	4324.109	4322.756	4318.828	4327.061
25.5	4312.652	4298.691	4296.374	4297.597	4300.931
26.0	4286.017	4272.593	4269.169	4273.791	4278.736
26.5	4255.414	4245.673	4240.605	4244.263	4248.386

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CANDELA TABULATION - (Cont.)

27.0	4232.035	4218.469	4221.699	4218.275	4222.256
27.5	4201.575	4189.510	4189.057	4194.184	4204.961
28.0	4169.898	4160.409	4155.594	4168.876	4167.957
28.5	4144.732	4133.347	4134.363	4141.386	4142.221
29.0	4114.129	4106.142	4102.259	4115.793	4123.567
29.5	4086.388	4075.397	4076.129	4082.045	4088.317
30.0	4057.429	4044.937	4047.960	4060.672	4066.375
30.5	4025.467	4019.092	4021.972	4031.824	4041.604
31.0	3998.942	3985.485	3992.444	4003.370	4006.354
31.5	3963.977	3956.922	3959.517	3974.916	3984.159
32.0	3937.594	3926.856	3929.167	3947.427	3956.922
32.5	3900.448	3894.467	3898.817	3921.834	3928.326
33.0	3873.101	3863.042	3873.366	3889.840	3895.652
33.5	3840.459	3830.796	3836.615	3856.771	3865.160
34.0	3807.675	3798.549	3808.983	3835.793	3838.745
34.5	3774.606	3766.160	3778.095	3801.223	3810.971
35.0	3741.000	3733.091	3746.781	3775.630	3785.915
35.5	3709.433	3698.805	3715.751	3743.098	3751.202
36.0	3675.827	3667.775	3684.579	3713.143	3724.360
36.5	3641.399	3633.884	3652.727	3684.009	3690.469
37.0	3606.829	3601.495	3619.516	3652.300	3660.514
37.5	3571.863	3566.245	3587.664	3624.241	3638.714
38.0	3533.073	3533.034	3556.349	3590.350	3602.642
38.5	3503.402	3497.784	3523.138	3563.935	3574.868
39.0	3466.113	3466.217	3489.927	3530.724	3542.589
39.5	3430.326	3428.106	3456.431	3502.128	3510.989
40.0	3393.289	3395.574	3423.899	3470.956	3481.176
40.5	3357.360	3358.823	3389.186	3436.100	3451.078
41.0	3322.789	3324.789	3357.334	3406.430	3414.326
41.5	3282.892	3288.575	3323.981	3375.115	3380.831
42.0	3246.425	3252.503	3289.268	3339.723	3349.516
42.5	3211.175	3214.929	3253.733	3308.550	3316.842
43.0	3172.921	3181.038	3222.703	3278.058	3290.285
43.5	3136.849	3143.607	3185.809	3243.882	3259.792
44.0	3100.097	3107.392	3152.455	3209.027	3224.937
44.5	3062.524	3071.320	3119.102	3179.214	3194.839
45.0	3025.772	3034.426	3083.567	3145.180	3162.307
45.5	2987.519	2996.173	3048.712	3115.367	3127.057
46.0	2947.906	2959.958	3013.319	3081.334	3096.422
46.5	2911.297	2923.349	2979.286	3046.764	3063.069
47.0	2877.263	2884.953	2943.751	3013.410	3029.035
47.5	2837.114	2846.700	2908.359	2978.413	2996.219
48.0	2800.077	2810.628	2871.465	2944.522	2961.791
48.5	2761.824	2772.911	2836.072	2907.628	2927.221
49.0	2723.570	2735.338	2801.896	2877.135	2894.009
49.5	2681.919	2697.084	2765.824	2840.526	2862.695
50.0	2644.882	2660.048	2730.289	2805.670	2828.267
50.5	2605.269	2622.759	2693.538	2772.459	2794.518
51.0	2565.514	2582.861	2656.644	2735.028	2756.944
51.5	2525.080	2543.644	2619.749	2697.597	2723.196
52.0	2485.862	2504.711	2583.820	2664.780	2687.124
52.5	2446.787	2467.279	2546.926	2631.174	2653.518
53.0	2405.815	2427.382	2510.854	2591.024	2615.944
53.5	2366.739	2389.808	2474.781	2556.991	2582.733
54.0	2325.340	2351.555	2436.386	2518.058	2544.085
54.5	2282.582	2310.835	2397.453	2481.306	2508.155

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55.0	2247.189	2272.044	2362.203	2442.658	2471.546
55.5	2205.790	2232.147	2323.270	2406.728	2435.901
56.0	2165.213	2193.894	2287.340	2369.977	2398.469
56.5	2125.600	2155.498	2247.585	2332.008	2360.216
57.0	2085.166	2116.422	2210.153	2293.897	2323.354
57.5	2044.589	2078.169	2171.900	2253.605	2283.347
58.0	2003.332	2039.094	2133.109	2215.636	2242.660
58.5	1961.396	1998.517	2094.034	2178.347	2204.154
59.0	1922.463	1960.406	2056.603	2139.019	2167.292
59.5	1881.206	1919.149	2018.492	2100.371	2131.252
60.0	1839.127	1878.572	1979.021	2062.687	2091.530
60.5	1798.693	1838.959	1939.409	2022.822	2051.664
61.0	1757.918	1800.991	1902.262	1981.455	2010.298
61.5	1717.280	1759.591	1862.934	1940.626	1969.753
62.0	1675.751	1720.801	1824.823	1900.761	1926.490
62.5	1634.841	1679.687	1786.712	1858.714	1883.227
63.0	1596.736	1641.440	1747.100	1818.027	1841.323
63.5	1554.800	1600.665	1707.629	1775.301	1799.276
64.0	1512.863	1559.205	1665.978	1732.575	1755.333
64.5	1470.791	1518.362	1625.006	1689.685	1711.741
65.0	1428.305	1477.588	1584.176	1646.608	1667.798
65.5	1386.300	1437.017	1544.109	1606.661	1622.661
66.0	1344.296	1396.010	1502.600	1564.077	1581.272
66.5	1302.156	1355.618	1461.524	1519.970	1536.649
67.0	1260.234	1314.901	1419.768	1476.378	1490.936
67.5	1218.870	1274.223	1377.579	1430.500	1446.643
68.0	1176.715	1233.655	1335.243	1386.311	1401.916
68.5	1135.054	1193.020	1293.794	1342.532	1356.427
69.0	1093.500	1153.000	1251.680	1297.559	1310.670
69.5	1052.890	1112.789	1210.163	1253.551	1264.040
70.0	1012.949	1073.248	1167.666	1208.224	1218.387
70.5	972.775	1033.367	1125.173	1162.392	1172.956
71.0	932.165	993.704	1082.926	1117.501	1127.961
71.5	893.042	954.205	1040.642	1073.661	1083.269
72.0	853.279	915.117	999.096	1029.728	1038.552
72.5	814.485	876.330	956.841	985.866	993.409
73.0	776.428	838.075	915.215	941.854	946.941
73.5	738.153	799.795	873.207	897.749	902.224
74.0	700.903	762.062	831.760	853.493	858.587
74.5	664.144	724.697	790.466	810.300	815.650
75.0	627.441	687.690	750.006	767.900	773.838
75.5	591.257	651.215	709.792	727.008	732.452
76.0	555.770	615.055	670.164	686.585	690.029
76.5	521.309	579.785	630.386	645.039	649.428
77.0	487.542	544.897	591.374	603.603	606.330
77.5	454.364	510.857	553.072	564.781	561.789
78.0	421.991	477.024	515.686	524.272	516.771
78.5	390.344	443.916	479.437	482.405	474.084
79.0	359.544	411.506	444.514	441.209	432.897
79.5	329.863	379.792	408.601	402.044	393.677
80.0	301.562	349.105	374.507	364.248	355.615
80.5	273.861	319.347	342.523	327.913	319.477
81.0	247.459	290.204	309.220	293.106	284.962
81.5	221.889	262.304	276.667	260.304	252.175
82.0	197.918	236.114	246.399	229.302	219.978
82.5	175.244	210.618	217.690	199.423	189.443

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CANDELA TABULATION - (Cont.)

83.0	153.854	186.036	190.482	170.510	161.572
83.5	133.994	162.943	164.569	144.331	137.746
84.0	115.335	141.351	140.358	122.118	118.533
84.5	98.070	121.371	117.613	104.366	102.691
85.0	82.240	103.043	96.879	89.290	88.441
85.5	67.857	85.573	79.418	76.065	75.553
86.0	55.004	70.220	65.435	63.875	63.578
86.5	43.735	56.422	53.605	52.911	53.364
87.0	33.764	44.437	43.191	43.477	43.505
87.5	25.405	34.019	34.386	34.150	34.054
88.0	18.548	25.549	26.168	25.575	25.232
88.5	13.153	18.525	18.357	17.121	16.764
89.0	9.042	12.344	11.572	10.761	10.733
89.5	5.913	7.625	6.622	6.908	7.004
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-L66-930-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-L66-930-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-L66-930-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1813.02	N.A.	13.80
0-30	3804.83	N.A.	29.10
0-40	6152.61	N.A.	47.00
0-60	10642.74	N.A.	81.30
0-80	12960.55	N.A.	99.00
0-90	13095.02	N.A.	100.00
10-90	12622.08	N.A.	96.40
20-40	4339.59	N.A.	33.10
20-50	6722.19	N.A.	51.30
40-70	6034.91	N.A.	46.10
60-80	2317.81	N.A.	17.70
70-80	773.03	N.A.	5.90
80-90	134.47	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	13095.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	472.94
10-20	1340.07
20-30	1991.81
30-40	2347.78
40-50	2382.59
50-60	2107.53
60-70	1544.78
70-80	773.03
80-90	134.47
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-L66-930-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-L66-930-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

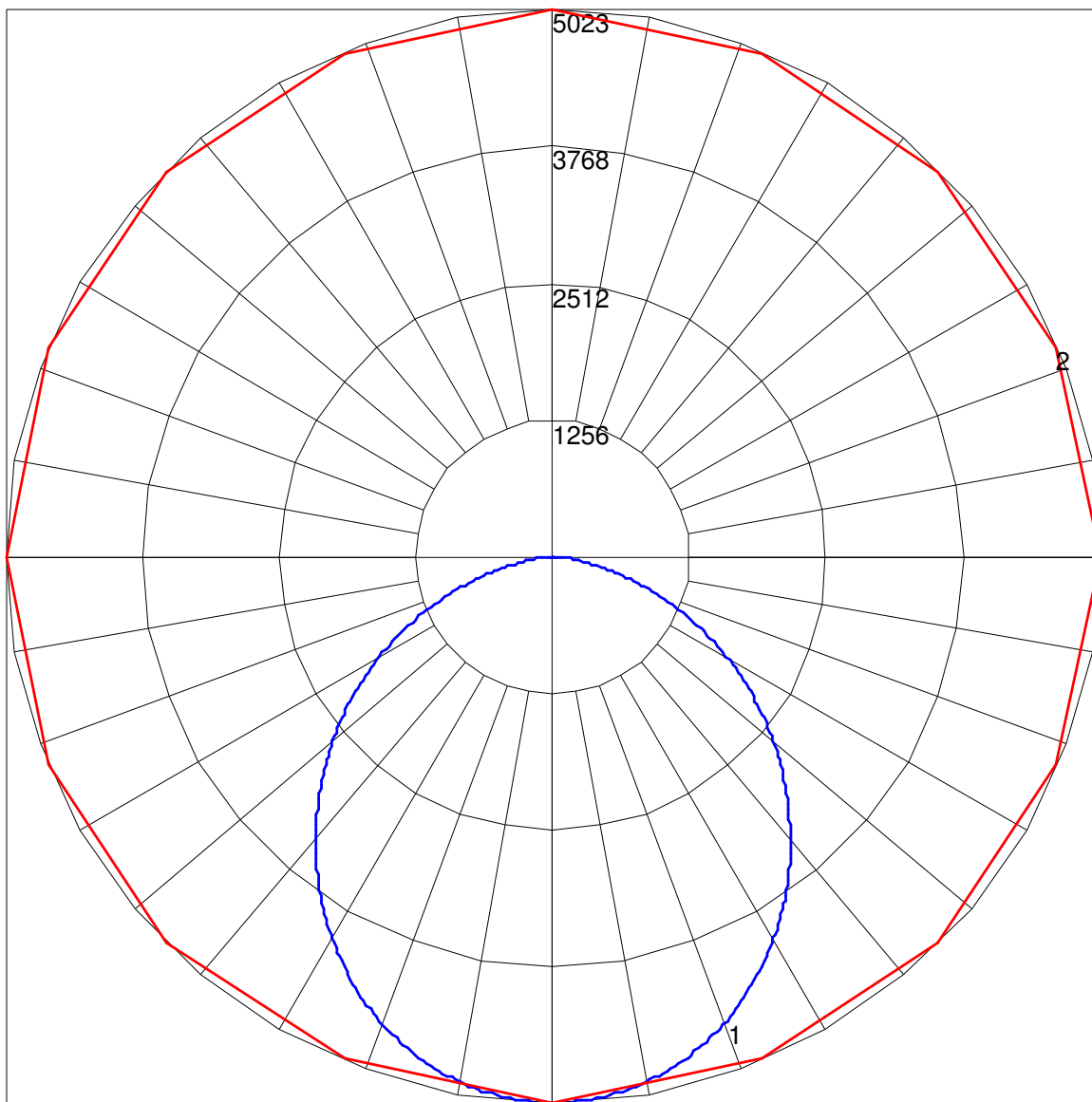
X=2H	Y=2H	18.4	20.0	18.8	20.3	20.6	19.0	20.6	19.4	20.9	21.3
	3H	19.9	21.4	20.3	21.7	22.1	20.7	22.2	21.1	22.5	22.9
	4H	20.4	21.8	20.8	22.1	22.5	21.2	22.6	21.6	23.0	23.3
	6H	20.7	21.9	21.1	22.3	22.7	21.5	22.8	21.9	23.2	23.6
	8H	20.7	21.9	21.1	22.3	22.7	21.6	22.8	22.0	23.2	23.6
	12H	20.7	21.9	21.2	22.3	22.7	21.6	22.7	22.0	23.1	23.5

UGR Viewed Endwise

4H	2H	19.1	20.5	19.5	20.8	21.2	19.6	20.9	20.0	21.3	21.7
	3H	20.8	22.0	21.3	22.4	22.8	21.5	22.6	21.9	23.0	23.4
	4H	21.4	22.4	21.8	22.8	23.3	22.1	23.1	22.5	23.6	24.0
	6H	21.8	22.6	22.2	23.1	23.5	22.5	23.4	23.0	23.8	24.3
	8H	21.8	22.7	22.3	23.1	23.6	22.5	23.4	23.0	23.8	24.3
	12H	21.8	22.6	22.3	23.1	23.5	22.6	23.3	23.0	23.8	24.3
8H	4H	21.7	22.5	22.2	23.0	23.4	22.3	23.2	22.8	23.6	24.1
	6H	22.1	22.8	22.6	23.3	23.8	22.8	23.5	23.3	23.9	24.4
	8H	22.2	22.8	22.7	23.3	23.8	22.8	23.5	23.4	24.0	24.5
	12H	22.3	22.8	22.8	23.3	23.9	22.9	23.4	23.4	23.9	24.5
12H	4H	21.7	22.4	22.2	22.9	23.4	22.3	23.1	22.8	23.6	24.0
	6H	22.1	22.8	22.7	23.2	23.8	22.8	23.4	23.3	23.9	24.4
	8H	22.3	22.8	22.8	23.3	23.9	22.9	23.4	23.4	23.9	24.5

Maximum UGR = 24.5

POLAR GRAPH



Maximum Candela = 5023.343 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.)