

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2AEG-L33-840-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] CMR2AEG-L33-840-CA-DIM-UNV (A&E)

[LUMINAIRE] 2' x 2' 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	8935
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	75.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.75 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	10693	10270	10024
55	9599	9399	9197
65	8277	8260	8081
75	6425	6278	5894
85	3686	1731	1090

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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	3764.927	3764.927	3764.927	3764.927	3764.927
0.5	3768.599	3759.979	3767.811	3768.300	3752.840
1.0	3771.216	3757.458	3768.662	3764.927	3757.127
1.5	3766.992	3754.117	3765.353	3761.618	3750.839
2.0	3765.321	3752.020	3760.704	3764.660	3751.785
2.5	3764.108	3749.531	3758.245	3759.680	3743.369
3.0	3761.193	3750.019	3757.489	3753.849	3742.676
3.5	3760.011	3747.987	3749.137	3748.933	3740.282
4.0	3752.020	3740.879	3749.689	3743.559	3732.843
4.5	3750.413	3738.027	3740.091	3736.972	3721.607
5.0	3749.200	3735.600	3737.271	3727.012	3720.552
5.5	3744.709	3728.950	3730.684	3727.234	3713.571
6.0	3738.453	3725.278	3722.395	3716.029	3704.920
6.5	3730.100	3717.383	3718.786	3708.686	3696.300
7.0	3727.311	3711.222	3710.529	3701.312	3680.509
7.5	3718.990	3703.752	3699.750	3688.074	3672.378
8.0	3713.223	3695.462	3693.652	3678.635	3661.300
8.5	3701.103	3688.056	3682.904	3664.972	3651.436
9.0	3696.676	3680.650	3674.710	3654.745	3641.209
9.5	3690.940	3672.786	3661.441	3645.795	3626.790
10.0	3679.278	3664.134	3650.725	3629.216	3617.052
10.5	3667.584	3654.632	3641.317	3615.648	3598.409
11.0	3651.698	3640.905	3625.558	3602.506	3587.489
11.5	3651.101	3632.680	3612.353	3588.970	3569.666
12.0	3644.482	3622.326	3600.030	3575.433	3554.033
12.5	3632.553	3610.727	3588.558	3557.705	3537.124
13.0	3612.932	3598.341	3572.405	3543.775	3524.534
13.5	3603.461	3584.316	3560.113	3524.738	3512.370
14.0	3591.075	3573.238	3545.301	3506.616	3493.822
14.5	3580.391	3557.510	3526.658	3492.324	3470.625
15.0	3564.174	3541.326	3512.664	3473.776	3453.843
15.5	3554.767	3525.141	3496.149	3454.440	3428.549
16.0	3536.454	3510.690	3482.613	3437.201	3421.523
16.5	3526.196	3495.420	3464.033	3419.536	3396.687
17.0	3509.223	3479.724	3445.091	3396.827	3379.117
17.5	3492.645	3463.178	3425.693	3377.492	3357.260
18.0	3473.481	3445.386	3407.570	3359.464	3334.189
18.5	3461.222	3432.275	3389.054	3336.788	3308.534
19.0	3442.122	3409.377	3365.857	3318.729	3290.538
19.5	3427.671	3394.170	3348.617	3296.510	3266.680
20.0	3405.230	3376.835	3326.697	3275.141	3242.333
20.5	3394.215	3357.767	3309.457	3253.741	3222.667
21.0	3364.933	3338.336	3285.472	3234.895	3202.181
21.5	3351.429	3320.608	3264.892	3209.271	3177.866
22.0	3336.222	3300.326	3242.577	3185.807	3158.232
22.5	3316.334	3279.650	3221.965	3163.193	3130.086
23.0	3293.073	3261.071	3203.544	3141.857	3112.611
23.5	3277.441	3240.821	3177.463	3118.361	3089.604
24.0	3255.095	3218.475	3156.488	3092.375	3065.714
24.5	3230.983	3197.405	3132.141	3069.761	3038.451
25.0	3211.159	3175.484	3109.859	3042.924	3015.019
25.5	3190.909	3153.989	3085.511	3021.194	2989.916
26.0	3168.956	3130.430	3061.164	2998.155	2968.611
26.5	3145.759	3108.509	3035.966	2971.744	2941.380

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PHOTOMETRIC FILENAME : CMR2AEG-L33-840-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	3124.721	3085.801	3016.300	2947.034	2917.096
27.5	3100.279	3061.784	2987.729	2924.027	2897.525
28.0	3072.921	3037.374	2959.977	2899.743	2865.613
28.5	3050.670	3014.240	2939.886	2875.428	2841.786
29.0	3026.654	2991.532	2911.346	2851.176	2821.364
29.5	3003.914	2966.302	2887.882	2821.817	2790.761
30.0	2978.258	2940.221	2863.960	2800.512	2771.977
30.5	2953.390	2918.363	2840.071	2773.707	2747.725
31.0	2930.288	2891.857	2814.478	2748.178	2718.760
31.5	2904.569	2866.659	2785.939	2723.469	2697.455
32.0	2881.041	2841.035	2760.347	2697.514	2673.203
32.5	2852.833	2814.985	2733.935	2672.443	2648.100
33.0	2830.550	2788.510	2710.897	2646.031	2621.263
33.5	2803.618	2762.855	2682.326	2618.737	2595.277
34.0	2776.292	2735.561	2657.616	2597.889	2571.025
34.5	2750.636	2709.511	2631.173	2569.350	2547.561
35.0	2723.310	2683.036	2605.187	2545.917	2523.340
35.5	2698.899	2654.465	2578.350	2518.655	2494.407
36.0	2671.573	2629.267	2552.758	2492.700	2469.793
36.5	2644.247	2601.973	2525.921	2466.746	2442.498
37.0	2618.166	2575.104	2498.232	2437.845	2417.364
37.5	2589.170	2546.958	2473.034	2414.412	2398.155
38.0	2558.503	2520.909	2447.048	2387.118	2369.190
38.5	2534.155	2491.944	2419.360	2364.504	2345.726
39.0	2506.372	2465.075	2390.033	2336.816	2320.985
39.5	2476.556	2435.653	2362.376	2313.352	2296.669
40.0	2449.656	2409.210	2335.114	2288.579	2271.928
40.5	2421.085	2380.639	2307.819	2260.891	2248.038
41.0	2391.726	2353.770	2281.802	2236.544	2219.467
41.5	2362.729	2325.231	2254.539	2211.377	2194.269
42.0	2332.488	2296.266	2228.064	2184.477	2169.102
42.5	2303.523	2266.056	2199.950	2158.884	2143.904
43.0	2274.526	2236.303	2175.572	2134.537	2121.716
43.5	2244.742	2207.307	2147.426	2108.913	2096.550
44.0	2213.713	2179.587	2120.983	2082.864	2069.681
44.5	2181.864	2150.622	2095.359	2058.942	2045.791
45.0	2153.293	2122.477	2068.065	2032.893	2018.528
45.5	2124.297	2093.480	2042.015	2008.971	1990.383
46.0	2093.629	2065.760	2014.295	1982.103	1966.461
46.5	2063.813	2036.764	1988.246	1955.202	1940.018
47.0	2036.125	2008.193	1962.590	1928.759	1913.969
47.5	2005.426	1979.196	1935.690	1903.135	1889.196
48.0	1976.887	1951.051	1908.364	1875.841	1861.870
48.5	1947.891	1923.725	1881.463	1848.515	1834.969
49.0	1918.894	1895.154	1856.659	1824.168	1808.920
49.5	1886.950	1866.157	1829.333	1795.990	1785.392
50.0	1860.050	1839.256	1803.677	1770.760	1759.705
50.5	1830.202	1809.834	1776.745	1744.711	1733.624
51.0	1800.780	1781.657	1750.239	1717.353	1706.692
51.5	1770.932	1753.906	1723.732	1689.996	1681.430
52.0	1742.361	1725.303	1696.800	1666.042	1655.743
52.5	1714.184	1697.126	1670.293	1640.355	1629.892
53.0	1683.485	1669.768	1643.787	1611.295	1603.533
53.5	1654.489	1642.016	1617.280	1586.803	1580.598
54.0	1625.067	1613.839	1590.348	1559.757	1552.865
54.5	1595.613	1585.662	1561.745	1533.890	1527.571

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PHOTOMETRIC FILENAME : CMR2AEG-L33-840-CA-DIM-UNV_.IES

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55.0	1567.893	1557.453	1535.238	1505.993	1502.344
55.5	1539.290	1530.096	1507.455	1480.454	1476.691
56.0	1509.868	1502.738	1479.704	1454.833	1451.300
56.5	1480.840	1474.986	1452.248	1428.427	1425.827
57.0	1450.992	1448.448	1425.136	1402.282	1399.389
57.5	1423.209	1421.090	1398.024	1375.696	1372.362
58.0	1394.181	1393.732	1370.143	1349.618	1345.483
58.5	1363.907	1365.949	1343.523	1324.129	1319.209
59.0	1336.124	1338.166	1316.739	1297.609	1293.099
59.5	1307.096	1310.776	1289.693	1271.515	1267.481
60.0	1278.887	1283.321	1262.124	1245.487	1240.913
60.5	1249.859	1255.931	1235.308	1218.362	1214.526
61.0	1221.273	1228.460	1208.492	1190.975	1188.122
61.5	1192.773	1201.496	1180.825	1164.767	1162.129
62.0	1164.312	1174.107	1154.517	1138.790	1134.269
62.5	1136.133	1146.702	1128.372	1111.715	1106.491
63.0	1108.167	1120.144	1102.048	1085.573	1080.056
63.5	1080.270	1093.198	1075.299	1058.400	1054.374
64.0	1051.799	1066.254	1048.025	1031.474	1026.580
64.5	1023.735	1039.429	1021.260	1004.629	999.704
65.0	996.172	1012.564	994.151	977.604	972.566
65.5	968.315	985.991	967.631	952.282	944.576
66.0	940.785	959.657	940.424	925.667	919.304
66.5	913.334	933.287	913.970	898.037	892.232
67.0	885.722	906.662	886.927	871.161	864.817
67.5	858.736	880.410	859.950	843.172	837.744
68.0	831.738	853.746	832.429	816.115	810.575
68.5	804.657	826.956	805.862	789.387	783.061
69.0	777.910	799.967	778.827	761.725	755.286
69.5	751.373	773.299	752.381	734.945	727.498
70.0	724.967	746.763	725.588	707.605	700.149
70.5	698.682	720.013	698.704	680.134	673.284
71.0	672.309	693.594	671.984	653.128	646.426
71.5	646.896	667.421	645.126	626.748	619.398
72.0	621.431	641.412	618.770	600.073	592.446
72.5	595.854	615.898	592.237	573.513	565.700
73.0	571.023	590.429	566.035	546.992	539.068
73.5	546.026	564.872	539.994	520.340	512.444
74.0	521.730	539.974	514.159	494.138	486.523
74.5	497.607	515.204	488.357	468.200	460.475
75.0	473.560	490.430	462.768	442.676	434.421
75.5	449.766	466.276	437.589	417.230	408.734
76.0	426.672	442.164	412.868	392.023	382.706
76.5	403.788	418.586	388.187	366.896	357.045
77.0	381.451	394.930	364.004	341.765	332.135
77.5	359.399	371.854	340.069	317.342	307.608
78.0	337.727	348.896	316.512	293.292	283.028
78.5	316.507	326.226	293.079	269.616	258.610
79.0	295.622	303.847	270.268	246.061	233.802
79.5	275.568	281.761	248.040	222.663	209.586
80.0	255.976	260.129	226.353	199.597	186.167
80.5	236.800	238.914	205.079	176.828	163.385
81.0	218.086	217.990	184.552	154.901	141.403
81.5	199.913	197.689	164.402	133.695	120.236
82.0	182.450	178.096	145.041	113.582	100.087
82.5	165.613	159.213	126.099	94.287	81.361

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PHOTOMETRIC FILENAME : CMR2AEG-L33-840-CA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	149.444	140.870	107.747	76.360	63.597
83.5	133.944	123.324	90.276	59.192	47.092
84.0	119.111	106.777	73.777	43.519	37.524
84.5	104.944	90.980	58.217	34.331	31.721
85.0	91.487	76.142	42.954	28.699	27.058
85.5	78.781	62.261	29.214	24.163	23.072
86.0	66.743	49.344	22.604	20.223	19.555
86.5	55.376	37.428	18.242	16.876	16.420
87.0	44.881	26.400	14.642	13.950	13.538
87.5	35.053	15.521	11.638	11.114	10.992
88.0	26.144	10.204	9.011	8.654	8.450
88.5	18.105	7.368	6.640	6.403	6.324
89.0	11.308	4.956	4.477	4.362	4.366
89.5	5.587	3.007	2.813	2.777	2.571
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2AEG-L33-840-CA-DIM-UNV_.IES

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 : CMR2AEG-L33-840-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 : CMR2AEG-L33-840-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 : CMR2AEG-L33-840-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1341.44	N.A.	15.00
0-30	2772.74	N.A.	31.00
0-40	4406.84	N.A.	49.30
0-60	7380.44	N.A.	82.60
0-80	8853.7	N.A.	99.10
0-90	8934.83	N.A.	100.00
10-90	8581.14	N.A.	96.00
20-40	3065.4	N.A.	34.30
20-50	4667.85	N.A.	52.20
40-70	3955.24	N.A.	44.30
60-80	1473.27	N.A.	16.50
70-80	491.63	N.A.	5.50
80-90	81.12	N.A.	0.90
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	8934.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	353.68
10-20	987.75
20-30	1431.3
30-40	1634.1
40-50	1602.45
50-60	1371.15
60-70	981.64
70-80	491.63
80-90	81.12
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 : CMR2AEG-L33-840-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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	35	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2AEG-L33-840-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

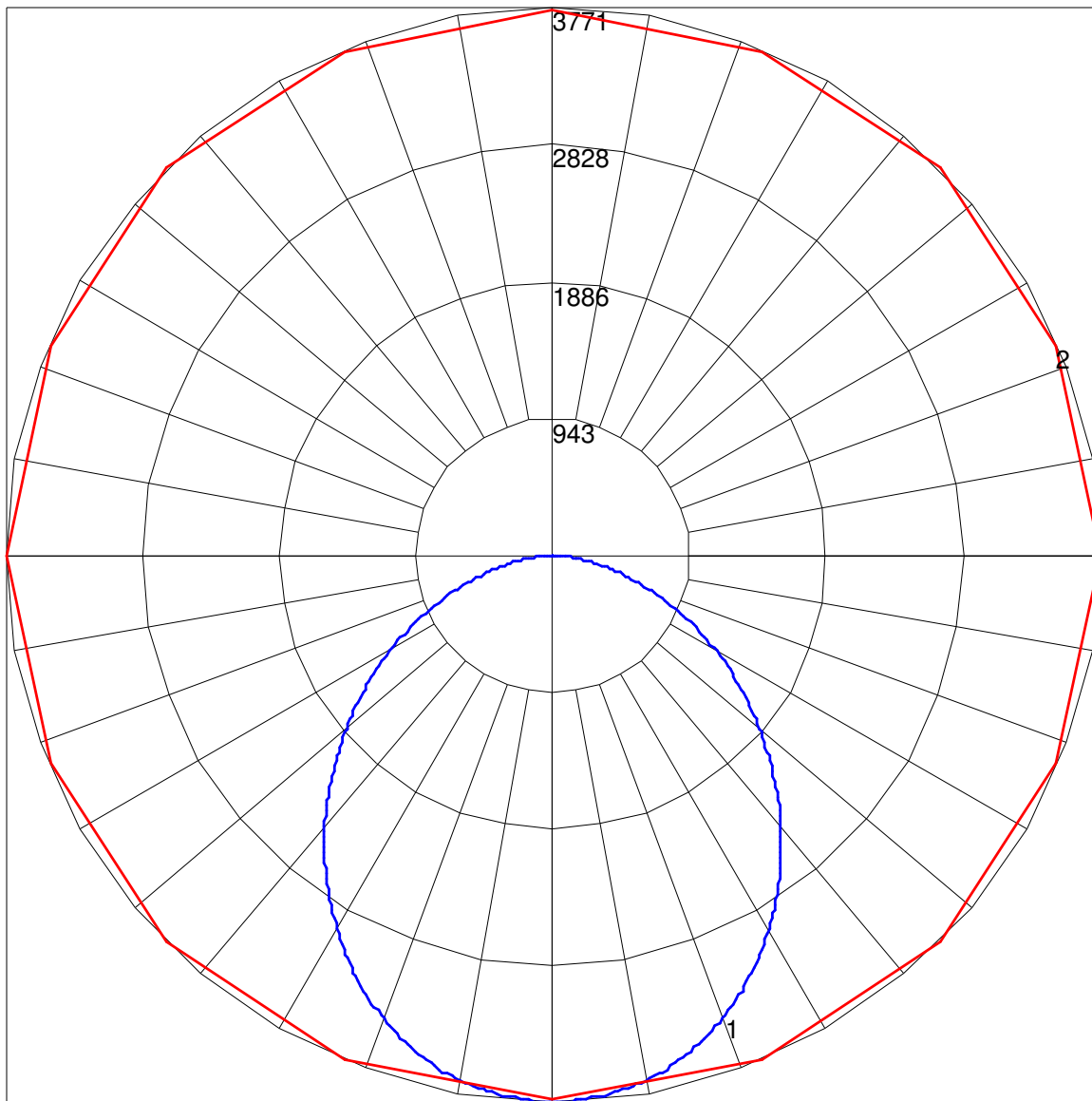
Reflectances

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	19.8	21.4	20.2	21.7	22.0	19.6	21.2	20.0	21.5	21.8
	3H	21.4	22.9	21.8	23.2	23.5	21.2	22.6	21.6	22.9	23.3
	4H	22.0	23.3	22.4	23.6	24.0	21.7	23.0	22.1	23.3	23.7
	6H	22.3	23.5	22.7	23.9	24.3	21.9	23.1	22.3	23.5	23.9
	8H	22.4	23.5	22.8	23.9	24.3	21.9	23.1	22.3	23.5	23.9
	12H	22.4	23.5	22.8	23.9	24.3	21.9	23.0	22.3	23.4	23.8
4H	2H	20.4	21.7	20.8	22.1	22.4	20.2	21.5	20.6	21.9	22.3
	3H	22.2	23.3	22.6	23.7	24.1	22.0	23.1	22.4	23.5	23.9
	4H	22.8	23.8	23.3	24.3	24.7	22.6	23.6	23.0	24.0	24.4
	6H	23.3	24.2	23.7	24.6	25.1	22.9	23.7	23.3	24.2	24.6
	8H	23.4	24.2	23.9	24.6	25.1	22.9	23.7	23.3	24.1	24.6
	12H	23.5	24.2	23.9	24.7	25.1	22.9	23.6	23.4	24.1	24.5
8H	4H	23.1	23.9	23.5	24.3	24.8	22.8	23.6	23.3	24.0	24.5
	6H	23.6	24.2	24.1	24.7	25.2	23.1	23.8	23.6	24.3	24.8
	8H	23.7	24.3	24.2	24.8	25.3	23.2	23.8	23.7	24.3	24.8
	12H	23.8	24.3	24.3	24.8	25.4	23.2	23.7	23.7	24.2	24.8
12H	4H	23.0	23.8	23.5	24.3	24.7	22.8	23.5	23.3	24.0	24.5
	6H	23.6	24.2	24.1	24.6	25.2	23.2	23.8	23.7	24.2	24.8
	8H	23.7	24.3	24.3	24.8	25.3	23.2	23.8	23.7	24.3	24.8

Maximum UGR = 25.4

POLAR GRAPH



Maximum Candela = 3771.216 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.)