

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2AEG-L33-835-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] CMR2AEG-L33-835-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	8675
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	10382	9971	9732
55	9319	9125	8930
65	8036	8020	7846
75	6238	6096	5722
85	3579	1680	1058

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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	3655.269	3655.269	3655.269	3655.269	3655.269
0.5	3658.834	3650.465	3658.069	3658.544	3643.534
1.0	3661.374	3648.017	3658.896	3655.269	3647.696
1.5	3657.274	3644.773	3655.683	3652.056	3641.591
2.0	3655.652	3642.738	3651.169	3655.010	3642.510
2.5	3654.474	3640.321	3648.782	3650.175	3634.339
3.0	3651.643	3640.796	3648.048	3644.514	3633.666
3.5	3650.496	3638.822	3639.939	3639.741	3631.341
4.0	3642.738	3631.921	3640.475	3634.523	3624.120
4.5	3641.178	3629.152	3631.157	3628.128	3613.211
5.0	3640.000	3626.797	3628.418	3618.459	3612.186
5.5	3635.640	3620.340	3622.023	3618.674	3605.409
6.0	3629.566	3616.775	3613.975	3607.796	3597.009
6.5	3621.456	3609.110	3610.472	3600.666	3588.641
7.0	3618.749	3603.128	3602.455	3593.506	3573.310
7.5	3610.670	3595.875	3591.990	3580.654	3565.416
8.0	3605.070	3587.828	3586.070	3571.490	3554.661
8.5	3593.304	3580.637	3575.635	3558.225	3545.083
9.0	3589.006	3573.446	3567.679	3548.296	3535.154
9.5	3583.437	3565.811	3554.797	3539.607	3521.155
10.0	3572.114	3557.412	3544.393	3523.511	3511.701
10.5	3560.761	3548.186	3535.260	3510.338	3493.601
11.0	3545.338	3534.860	3519.960	3497.579	3482.999
11.5	3544.758	3526.873	3507.138	3484.437	3465.695
12.0	3538.332	3516.821	3495.174	3471.295	3450.518
12.5	3526.750	3505.560	3484.037	3454.083	3434.101
13.0	3507.701	3493.535	3468.354	3440.558	3421.878
13.5	3498.506	3479.918	3456.421	3422.076	3410.068
14.0	3486.480	3469.163	3442.039	3404.481	3392.060
14.5	3476.107	3453.894	3423.939	3390.605	3369.539
15.0	3460.363	3438.180	3410.354	3372.598	3353.245
15.5	3451.230	3422.467	3394.319	3353.825	3328.689
16.0	3433.451	3408.437	3381.177	3337.088	3321.867
16.5	3423.491	3393.612	3363.139	3319.937	3297.754
17.0	3407.013	3378.373	3344.749	3297.891	3280.696
17.5	3390.917	3362.308	3325.915	3279.118	3259.475
18.0	3372.312	3345.035	3308.321	3261.616	3237.077
18.5	3360.409	3332.306	3290.344	3239.600	3212.169
19.0	3341.866	3310.074	3267.822	3222.067	3194.697
19.5	3327.836	3295.310	3251.085	3200.495	3171.534
20.0	3306.048	3278.481	3229.803	3179.749	3147.896
20.5	3295.354	3259.968	3213.065	3158.972	3128.803
21.0	3266.925	3241.103	3189.779	3140.674	3108.914
21.5	3253.814	3223.891	3169.798	3115.797	3085.307
22.0	3239.050	3204.200	3148.133	3093.016	3066.244
22.5	3219.742	3184.126	3128.121	3071.061	3038.918
23.0	3197.159	3166.088	3110.237	3050.346	3021.953
23.5	3181.982	3146.428	3084.915	3027.535	2999.616
24.0	3160.286	3124.733	3064.552	3002.305	2976.421
24.5	3136.877	3104.277	3040.914	2980.351	2949.953
25.0	3117.630	3082.995	3019.280	2954.295	2927.203
25.5	3097.969	3062.126	2995.642	2933.198	2902.831
26.0	3076.657	3039.252	2972.004	2910.830	2882.146
26.5	3054.135	3017.970	2947.540	2885.188	2855.709

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CANDELA TABULATION - (Cont.)

27.0	3033.710	2995.923	2928.447	2861.198	2832.132
27.5	3009.980	2972.606	2900.708	2838.861	2813.131
28.0	2983.419	2948.907	2873.764	2815.285	2782.148
28.5	2961.816	2926.447	2854.258	2791.678	2759.016
29.0	2938.499	2904.400	2826.550	2768.132	2739.189
29.5	2916.421	2879.905	2803.769	2739.628	2709.476
30.0	2891.513	2854.583	2780.544	2718.944	2691.240
30.5	2867.369	2833.363	2757.350	2692.919	2667.694
31.0	2844.940	2807.628	2732.503	2668.134	2639.573
31.5	2819.970	2783.164	2704.795	2644.144	2618.889
32.0	2797.128	2758.286	2679.948	2618.946	2595.343
32.5	2769.740	2732.995	2654.306	2594.605	2570.971
33.0	2748.107	2707.292	2631.938	2568.962	2544.916
33.5	2721.959	2682.383	2604.200	2542.463	2519.687
34.0	2695.429	2655.884	2580.210	2522.223	2496.141
34.5	2670.520	2630.593	2554.537	2494.515	2473.360
35.0	2643.990	2604.890	2529.308	2471.764	2449.845
35.5	2620.291	2577.151	2503.252	2445.296	2421.754
36.0	2593.761	2552.686	2478.406	2420.097	2397.857
36.5	2567.230	2526.187	2452.350	2394.899	2371.358
37.0	2541.909	2500.101	2425.468	2366.839	2346.955
37.5	2513.757	2472.775	2401.004	2344.089	2328.306
38.0	2483.983	2447.484	2375.775	2317.590	2300.184
38.5	2460.345	2419.363	2348.893	2295.635	2277.403
39.0	2433.371	2393.277	2320.420	2268.753	2253.383
39.5	2404.423	2364.712	2293.569	2245.973	2229.776
40.0	2378.307	2339.039	2267.101	2221.921	2205.755
40.5	2350.568	2311.300	2240.601	2195.040	2182.561
41.0	2322.064	2285.214	2215.341	2171.402	2154.822
41.5	2293.912	2257.506	2188.873	2146.968	2130.358
42.0	2264.551	2229.384	2163.169	2120.851	2105.925
42.5	2236.430	2200.054	2135.874	2096.004	2081.460
43.0	2208.278	2171.168	2112.205	2072.366	2059.919
43.5	2179.361	2143.016	2084.880	2047.489	2035.485
44.0	2149.236	2116.104	2059.207	2022.198	2009.399
44.5	2118.315	2087.983	2034.329	1998.973	1986.205
45.0	2090.576	2060.657	2007.830	1973.683	1959.736
45.5	2062.424	2032.505	1982.539	1950.458	1932.411
46.0	2032.650	2005.592	1955.627	1924.372	1909.186
46.5	2003.702	1977.440	1930.336	1898.255	1883.513
47.0	1976.821	1949.702	1905.428	1872.582	1858.222
47.5	1947.016	1921.550	1879.311	1847.704	1834.171
48.0	1919.308	1894.224	1852.781	1821.205	1807.641
48.5	1891.156	1867.694	1826.664	1794.675	1781.524
49.0	1863.004	1839.955	1802.582	1771.036	1756.233
49.5	1831.991	1811.803	1776.051	1743.680	1733.391
50.0	1805.874	1785.686	1751.143	1719.185	1708.452
50.5	1776.895	1757.121	1724.995	1693.894	1683.130
51.0	1748.330	1729.764	1699.261	1667.333	1656.982
51.5	1719.352	1702.821	1673.526	1640.772	1632.457
52.0	1691.613	1675.051	1647.379	1617.517	1607.518
52.5	1664.256	1647.695	1621.644	1592.578	1582.419
53.0	1634.452	1621.134	1595.909	1564.364	1556.829
53.5	1606.300	1594.191	1570.175	1540.585	1534.561
54.0	1577.735	1566.834	1544.027	1514.327	1507.636
54.5	1549.139	1539.478	1516.257	1489.214	1483.079

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CANDELA TABULATION - (Cont.)

55.0	1522.226	1512.091	1490.523	1462.129	1458.587
55.5	1494.456	1485.530	1463.549	1437.334	1433.681
56.0	1465.891	1458.969	1436.605	1412.459	1409.029
56.5	1437.709	1432.025	1409.950	1386.822	1384.298
57.0	1408.730	1406.260	1383.627	1361.439	1358.630
57.5	1381.756	1379.699	1357.305	1335.628	1332.390
58.0	1353.573	1353.138	1330.236	1310.309	1306.294
58.5	1324.182	1326.164	1304.391	1285.562	1280.785
59.0	1297.208	1299.190	1278.387	1259.815	1255.436
59.5	1269.025	1272.598	1252.129	1234.481	1230.564
60.0	1241.638	1245.943	1225.363	1209.211	1204.770
60.5	1213.455	1219.351	1199.328	1182.876	1179.151
61.0	1185.702	1192.680	1173.293	1156.287	1153.517
61.5	1158.032	1166.501	1146.432	1130.842	1128.280
62.0	1130.400	1139.910	1120.890	1105.621	1101.232
62.5	1103.042	1113.302	1095.507	1079.335	1074.263
63.0	1075.890	1087.519	1069.950	1053.954	1048.598
63.5	1048.806	1061.357	1043.979	1027.573	1023.664
64.0	1021.164	1035.198	1017.500	1001.431	996.680
64.5	993.918	1009.154	991.514	975.368	970.586
65.0	967.158	983.072	965.195	949.130	944.239
65.5	940.111	957.273	939.448	924.546	917.064
66.0	913.384	931.706	913.033	898.706	892.528
66.5	886.732	906.104	887.350	871.881	866.245
67.0	859.925	880.254	861.094	845.787	839.628
67.5	833.725	854.767	834.903	818.613	813.344
68.0	807.512	828.879	808.184	792.345	786.966
68.5	781.220	802.870	782.390	766.395	760.254
69.0	755.253	776.667	756.143	739.539	733.287
69.5	729.489	750.776	730.467	713.539	706.309
70.0	703.852	725.012	704.454	686.995	679.756
70.5	678.332	699.042	678.353	660.324	653.674
71.0	652.728	673.392	652.411	634.105	627.598
71.5	628.054	647.982	626.336	608.493	601.357
72.0	603.331	622.730	600.747	582.595	575.190
72.5	578.499	597.959	574.987	556.808	549.223
73.0	554.392	573.232	549.548	531.060	523.367
73.5	530.122	548.420	524.266	505.185	497.518
74.0	506.534	524.247	499.183	479.746	472.353
74.5	483.114	500.198	474.133	454.563	447.063
75.0	459.767	476.146	449.289	429.782	421.768
75.5	436.666	452.695	424.844	405.077	396.829
76.0	414.245	429.285	400.843	380.605	371.559
76.5	392.027	406.395	376.881	356.209	346.646
77.0	370.341	383.427	353.402	331.811	322.461
77.5	348.931	361.023	330.164	308.099	298.648
78.0	327.890	338.734	307.293	284.749	274.785
78.5	307.289	316.724	284.542	261.763	251.077
79.0	287.011	294.998	262.396	238.894	226.992
79.5	267.542	273.554	240.816	216.178	203.482
80.0	248.520	252.553	219.761	193.783	180.744
80.5	229.903	231.955	199.106	171.678	158.627
81.0	211.734	211.641	179.177	150.390	137.285
81.5	194.090	191.931	159.613	129.801	116.734
82.0	177.136	172.908	140.816	110.274	97.172
82.5	160.790	154.575	122.426	91.541	78.991

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CANDELA TABULATION - (Cont.)

83.0	145.092	136.767	104.609	74.136	61.745
83.5	130.042	119.732	87.646	57.468	45.721
84.0	115.642	103.667	71.628	42.252	36.431
84.5	101.887	88.330	56.522	33.331	30.798
85.0	88.823	73.924	41.703	27.863	26.270
85.5	76.486	60.448	28.363	23.459	22.400
86.0	64.799	47.906	21.946	19.634	18.985
86.5	53.763	36.338	17.710	16.384	15.942
87.0	43.573	25.631	14.216	13.544	13.143
87.5	34.032	15.069	11.299	10.790	10.672
88.0	25.382	9.907	8.749	8.402	8.204
88.5	17.578	7.153	6.446	6.217	6.140
89.0	10.979	4.812	4.347	4.235	4.238
89.5	5.424	2.919	2.731	2.696	2.496
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 : CMR2AEG-L33-835-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-L33-835-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-L33-835-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1302.37	N.A.	15.00
0-30	2691.98	N.A.	31.00
0-40	4278.48	N.A.	49.30
0-60	7165.47	N.A.	82.60
0-80	8595.83	N.A.	99.10
0-90	8674.59	N.A.	100.00
10-90	8331.21	N.A.	96.00
20-40	2976.11	N.A.	34.30
20-50	4531.89	N.A.	52.20
40-70	3840.04	N.A.	44.30
60-80	1430.36	N.A.	16.50
70-80	477.31	N.A.	5.50
80-90	78.76	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	8674.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	343.38
10-20	958.98
20-30	1389.61
30-40	1586.5
40-50	1555.78
50-60	1331.21
60-70	953.04
70-80	477.31
80-90	78.76
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-L33-835-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-L33-835-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

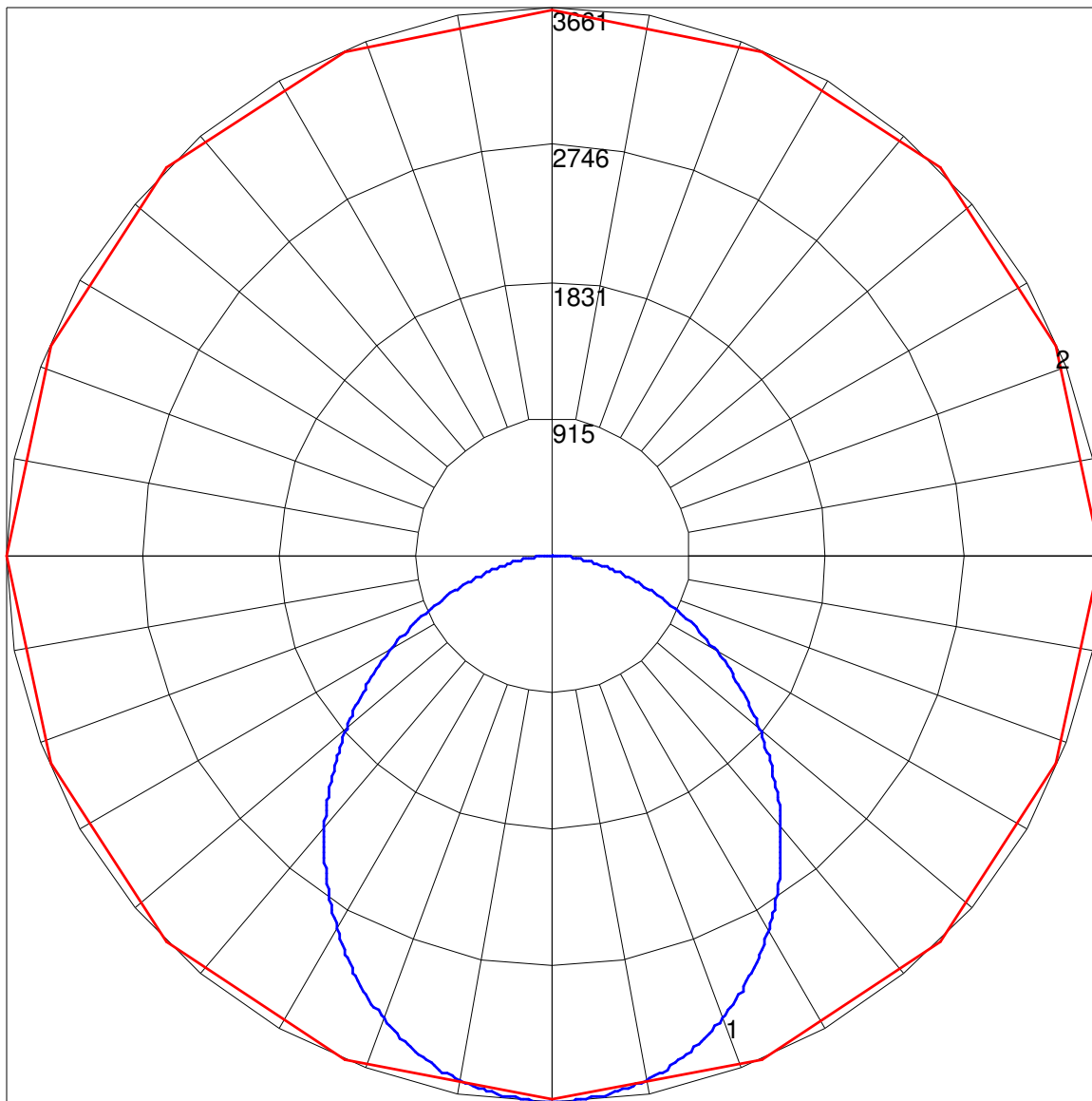
Reflectances

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	19.7	21.3	20.1	21.6	21.9	19.5	21.1	19.9	21.4	21.7
	3H	21.3	22.8	21.7	23.1	23.4	21.1	22.5	21.5	22.8	23.2
	4H	21.9	23.2	22.3	23.5	23.9	21.6	22.9	22.0	23.2	23.6
	6H	22.2	23.4	22.6	23.8	24.2	21.8	23.0	22.2	23.4	23.8
	8H	22.3	23.4	22.7	23.8	24.2	21.8	23.0	22.2	23.4	23.8
	12H	22.3	23.4	22.7	23.8	24.2	21.8	22.9	22.2	23.3	23.7
4H	2H	20.3	21.6	20.7	22.0	22.3	20.1	21.4	20.5	21.8	22.2
	3H	22.1	23.2	22.5	23.6	24.0	21.9	23.0	22.3	23.4	23.8
	4H	22.7	23.7	23.2	24.2	24.6	22.5	23.5	22.9	23.9	24.3
	6H	23.2	24.1	23.6	24.5	25.0	22.8	23.6	23.2	24.1	24.5
	8H	23.3	24.1	23.8	24.5	25.0	22.8	23.6	23.2	24.0	24.5
	12H	23.4	24.1	23.8	24.6	25.0	22.8	23.5	23.3	24.0	24.4
8H	4H	23.0	23.8	23.4	24.2	24.7	22.7	23.5	23.2	23.9	24.4
	6H	23.5	24.1	24.0	24.6	25.1	23.0	23.7	23.5	24.2	24.7
	8H	23.6	24.2	24.1	24.7	25.2	23.1	23.7	23.6	24.2	24.7
	12H	23.7	24.2	24.2	24.7	25.3	23.1	23.6	23.6	24.1	24.7
12H	4H	22.9	23.7	23.4	24.2	24.6	22.7	23.4	23.2	23.9	24.4
	6H	23.5	24.1	24.0	24.5	25.1	23.1	23.7	23.6	24.1	24.7
	8H	23.6	24.2	24.2	24.7	25.2	23.1	23.7	23.6	24.2	24.7

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 3661.374 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.)