

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2AEG-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] CMR2AEG-L33-830-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	8588
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	10278	9871	9635
55	9226	9034	8840
65	7956	7939	7767
75	6175	6035	5665
85	3543	1663	1048

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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	3618.717	3618.717	3618.717	3618.717	3618.717
0.5	3622.246	3613.961	3621.488	3621.958	3607.099
1.0	3624.761	3611.537	3622.307	3618.717	3611.219
1.5	3620.701	3608.326	3619.126	3615.536	3605.175
2.0	3619.095	3606.311	3614.657	3618.460	3606.085
2.5	3617.929	3603.918	3612.294	3613.673	3597.995
3.0	3615.127	3604.388	3611.567	3608.069	3597.330
3.5	3613.991	3602.434	3603.539	3603.343	3595.028
4.0	3606.311	3595.602	3604.070	3598.178	3587.879
4.5	3604.766	3592.861	3594.845	3591.847	3577.078
5.0	3603.600	3590.529	3592.134	3582.274	3576.065
5.5	3599.283	3584.136	3585.803	3582.487	3569.355
6.0	3593.270	3580.607	3577.836	3571.718	3561.039
6.5	3585.242	3573.019	3574.368	3564.660	3552.754
7.0	3582.561	3567.096	3566.431	3557.571	3537.577
7.5	3574.563	3559.917	3556.070	3544.848	3529.762
8.0	3569.020	3551.949	3550.209	3535.775	3519.114
8.5	3557.371	3544.831	3539.879	3522.643	3509.632
9.0	3553.116	3537.712	3532.003	3512.813	3499.803
9.5	3547.602	3530.153	3519.249	3504.211	3485.944
10.0	3536.393	3521.838	3508.949	3488.276	3476.584
10.5	3525.154	3512.704	3499.907	3475.235	3458.665
11.0	3509.885	3499.511	3484.760	3462.603	3448.169
11.5	3509.310	3491.605	3472.067	3449.592	3431.038
12.0	3502.949	3481.653	3460.223	3436.582	3416.013
12.5	3491.483	3470.505	3449.196	3419.542	3399.760
13.0	3472.624	3458.600	3433.671	3406.153	3387.659
13.5	3463.521	3445.119	3421.857	3387.855	3375.967
14.0	3451.616	3434.471	3407.619	3370.437	3358.140
14.5	3441.346	3419.355	3389.700	3356.699	3335.843
15.0	3425.760	3403.798	3376.250	3338.872	3319.713
15.5	3416.718	3388.242	3360.376	3320.287	3295.402
16.0	3399.116	3374.353	3347.366	3303.717	3288.648
16.5	3389.256	3359.676	3329.508	3286.738	3264.777
17.0	3372.943	3344.589	3311.302	3264.912	3247.889
17.5	3357.008	3328.685	3292.656	3246.327	3226.881
18.0	3338.589	3311.584	3275.237	3229.000	3204.706
18.5	3326.805	3298.983	3257.440	3207.204	3180.047
19.0	3308.447	3276.974	3235.144	3189.846	3162.750
19.5	3294.557	3262.357	3218.574	3168.490	3139.819
20.0	3272.988	3245.696	3197.505	3147.951	3116.417
20.5	3262.401	3227.368	3180.935	3127.382	3097.515
21.0	3234.256	3208.692	3157.881	3109.268	3077.825
21.5	3221.276	3191.652	3138.100	3084.639	3054.454
22.0	3206.660	3172.158	3116.652	3062.086	3035.582
22.5	3187.544	3152.285	3096.840	3040.351	3008.529
23.0	3165.187	3134.427	3079.134	3019.843	2991.733
23.5	3150.162	3114.964	3054.066	2997.259	2969.619
24.0	3128.683	3093.485	3033.906	2972.282	2946.657
24.5	3105.508	3073.234	3010.505	2950.547	2920.453
25.0	3086.453	3052.165	2989.087	2924.752	2897.931
25.5	3066.990	3031.504	2965.686	2903.866	2873.802
26.0	3045.890	3008.860	2942.284	2881.722	2853.325
26.5	3023.594	2987.791	2918.064	2856.336	2827.151

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CANDELA TABULATION - (Cont.)

27.0	3003.373	2965.964	2899.162	2832.586	2803.811
27.5	2979.880	2942.880	2871.701	2810.473	2785.000
28.0	2953.585	2919.418	2845.027	2787.132	2754.327
28.5	2932.198	2897.182	2825.715	2763.761	2731.426
29.0	2909.114	2875.356	2798.284	2740.450	2711.797
29.5	2887.257	2851.106	2775.731	2712.232	2682.382
30.0	2862.597	2826.037	2752.739	2691.754	2664.328
30.5	2838.695	2805.029	2729.777	2665.990	2641.017
31.0	2816.490	2779.552	2705.178	2641.453	2613.177
31.5	2791.770	2755.332	2677.747	2617.703	2592.700
32.0	2769.156	2730.703	2653.149	2592.756	2569.390
32.5	2742.043	2705.666	2627.763	2568.659	2545.261
33.0	2720.626	2680.219	2605.619	2543.273	2519.466
33.5	2694.739	2655.560	2578.158	2517.038	2494.490
34.0	2668.474	2629.325	2554.408	2497.000	2471.179
34.5	2643.815	2604.287	2528.992	2469.569	2448.626
35.0	2617.550	2578.841	2504.015	2447.047	2425.346
35.5	2594.088	2551.379	2478.220	2420.843	2397.537
36.0	2567.823	2527.160	2453.622	2395.896	2373.879
36.5	2541.558	2500.925	2427.827	2370.950	2347.644
37.0	2516.490	2475.100	2401.214	2343.171	2323.485
37.5	2488.619	2448.047	2376.994	2320.648	2305.023
38.0	2459.143	2423.010	2352.017	2294.414	2277.183
38.5	2435.742	2395.170	2325.404	2272.679	2254.629
39.0	2409.037	2369.344	2297.216	2246.066	2230.849
39.5	2380.379	2341.065	2270.634	2223.513	2207.478
40.0	2354.523	2315.648	2244.430	2199.702	2183.698
40.5	2327.062	2288.187	2218.195	2173.089	2160.736
41.0	2298.843	2262.362	2193.188	2149.688	2133.274
41.5	2270.973	2234.931	2166.984	2125.498	2109.055
42.0	2241.906	2207.091	2141.537	2099.643	2084.865
42.5	2214.066	2178.054	2114.515	2075.044	2060.646
43.0	2186.195	2149.457	2091.083	2051.643	2039.320
43.5	2157.568	2121.586	2064.031	2027.014	2015.130
44.0	2127.743	2094.943	2038.615	2001.976	1989.305
44.5	2097.132	2067.103	2013.986	1978.984	1966.343
45.0	2069.670	2040.050	1987.751	1953.946	1940.139
45.5	2041.800	2012.180	1962.714	1930.953	1913.086
46.0	2012.323	1985.536	1936.070	1905.128	1890.094
46.5	1983.665	1957.666	1911.033	1879.272	1864.678
47.0	1957.052	1930.205	1886.373	1853.856	1839.640
47.5	1927.546	1902.334	1860.518	1829.227	1815.829
48.0	1900.115	1875.282	1834.253	1802.993	1789.564
48.5	1872.244	1849.017	1808.397	1776.728	1763.709
49.0	1844.374	1821.555	1784.556	1753.326	1738.671
49.5	1813.671	1793.685	1758.291	1726.243	1716.057
50.0	1787.815	1767.829	1733.632	1701.993	1691.367
50.5	1759.126	1739.550	1707.745	1676.955	1666.299
51.0	1730.847	1712.467	1682.268	1650.660	1640.413
51.5	1702.158	1685.793	1656.791	1624.365	1616.132
52.0	1674.697	1658.301	1630.905	1601.342	1591.442
52.5	1647.614	1631.218	1605.427	1576.652	1566.595
53.0	1618.107	1604.923	1579.950	1548.721	1541.260
53.5	1590.237	1578.249	1554.473	1525.179	1519.215
54.0	1561.957	1551.166	1528.587	1499.184	1492.559
54.5	1533.647	1524.083	1501.095	1474.321	1468.248

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55.0	1507.004	1496.970	1475.618	1447.508	1444.001
55.5	1479.512	1470.674	1448.913	1422.961	1419.344
56.0	1451.232	1444.379	1422.239	1398.334	1394.939
56.5	1423.331	1417.705	1395.850	1372.954	1370.455
57.0	1394.643	1392.197	1369.791	1347.825	1345.044
57.5	1367.939	1365.902	1343.732	1322.271	1319.066
58.0	1340.038	1339.607	1316.934	1297.206	1293.231
58.5	1310.940	1312.903	1291.347	1272.707	1267.978
59.0	1284.236	1286.198	1265.603	1247.217	1242.881
59.5	1256.335	1259.872	1239.608	1222.136	1218.258
60.0	1229.221	1233.483	1213.109	1197.119	1192.722
60.5	1201.320	1207.157	1187.335	1171.047	1167.360
61.0	1173.845	1180.753	1161.560	1144.724	1141.982
61.5	1146.451	1154.836	1134.968	1119.534	1116.997
62.0	1119.096	1128.510	1109.681	1094.565	1090.219
62.5	1092.011	1102.169	1084.552	1068.541	1063.520
63.0	1065.131	1076.643	1059.250	1043.415	1038.112
63.5	1038.317	1050.743	1033.539	1017.298	1013.427
64.0	1010.953	1024.846	1007.325	991.416	986.713
64.5	983.978	999.063	981.599	965.614	960.880
65.0	957.486	973.241	955.543	939.639	934.796
65.5	930.710	947.700	930.053	915.300	907.894
66.0	904.250	922.389	903.903	889.719	883.603
66.5	877.865	897.043	878.476	863.162	857.582
67.0	851.325	871.452	852.483	837.329	831.231
67.5	825.387	846.220	826.554	810.427	805.211
68.0	799.437	820.590	800.102	784.422	779.096
68.5	773.408	794.842	774.567	758.731	752.651
69.0	747.700	768.901	748.581	732.144	725.954
69.5	722.194	743.268	723.162	706.403	699.246
70.0	696.813	717.762	697.410	680.125	672.958
70.5	671.549	692.051	671.570	653.721	647.137
71.0	646.200	666.658	645.887	627.764	621.322
71.5	621.774	641.502	620.073	602.408	595.344
72.0	597.297	616.503	594.740	576.769	569.438
72.5	572.714	591.979	569.237	551.240	543.731
73.0	548.848	567.500	544.053	525.749	518.134
73.5	524.821	542.935	519.023	500.133	492.543
74.0	501.469	519.004	494.192	474.948	467.629
74.5	478.283	495.196	469.392	450.018	442.593
75.0	455.170	471.384	444.797	425.484	417.550
75.5	432.299	448.168	420.595	401.027	392.860
76.0	410.102	424.993	396.835	376.799	367.844
76.5	388.107	402.331	373.112	352.647	343.180
77.0	366.637	379.593	349.868	328.492	319.237
77.5	345.442	357.413	326.863	305.018	295.662
78.0	324.611	335.346	304.220	281.902	272.037
78.5	304.216	313.557	281.697	259.145	248.567
79.0	284.141	292.048	259.772	236.505	224.722
79.5	264.866	270.819	238.408	214.016	201.447
80.0	246.035	250.027	217.563	191.846	178.937
80.5	227.604	229.636	197.115	169.961	157.040
81.0	209.617	209.525	177.385	148.886	135.912
81.5	192.149	190.012	158.017	128.503	115.567
82.0	175.365	171.179	139.408	109.171	96.200
82.5	159.182	153.030	121.202	90.625	78.201

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CANDELA TABULATION - (Cont.)

83.0	143.641	135.400	103.563	73.395	61.127
83.5	128.742	118.535	86.770	56.893	45.263
84.0	114.486	102.630	70.912	41.829	36.067
84.5	100.869	87.446	55.956	32.998	30.490
85.0	87.935	73.185	41.286	27.584	26.007
85.5	75.722	59.843	28.079	23.225	22.176
86.0	64.151	47.427	21.726	19.438	18.795
86.5	53.225	35.974	17.533	16.220	15.782
87.0	43.138	25.375	14.074	13.409	13.012
87.5	33.692	14.919	11.186	10.682	10.566
88.0	25.128	9.808	8.661	8.318	8.122
88.5	17.402	7.081	6.382	6.155	6.079
89.0	10.869	4.764	4.303	4.193	4.196
89.5	5.370	2.890	2.704	2.669	2.471
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-L33-830-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 : CMR2AEG-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 : CMR2AEG-L33-830-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1289.34	N.A.	15.00
0-30	2665.06	N.A.	31.00
0-40	4235.7	N.A.	49.30
0-60	7093.82	N.A.	82.60
0-80	8509.87	N.A.	99.10
0-90	8587.84	N.A.	100.00
10-90	8247.89	N.A.	96.00
20-40	2946.35	N.A.	34.30
20-50	4486.57	N.A.	52.20
40-70	3801.64	N.A.	44.30
60-80	1416.05	N.A.	16.50
70-80	472.54	N.A.	5.50
80-90	77.97	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	8587.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	339.95
10-20	949.39
20-30	1375.72
30-40	1570.64
40-50	1540.22
50-60	1317.9
60-70	943.51
70-80	472.54
80-90	77.97
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-L33-830-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	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

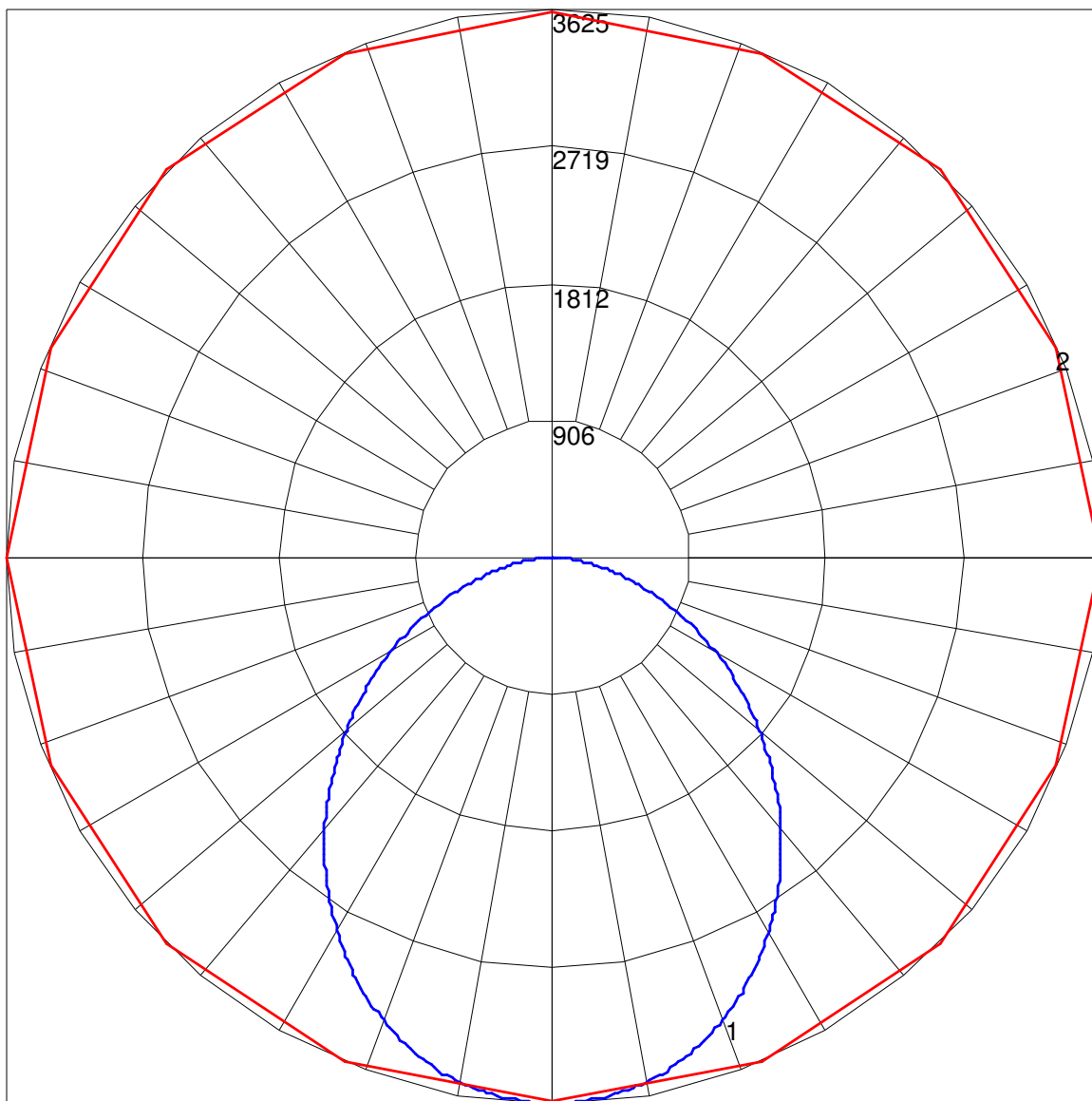
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMR2AEG-L33-830-CA-DIM-UNV_.IES

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	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 = 3624.761 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.)