

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2AEG-L33-850-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-L33-850-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	9195
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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	11005	10569	10316
55	9878	9673	9465
65	8518	8501	8316
75	6612	6461	6066
85	3793	1781	1122

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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	3874.586	3874.586	3874.586	3874.586	3874.586
0.5	3878.364	3869.493	3877.553	3878.057	3862.146
1.0	3881.057	3866.898	3878.429	3874.586	3866.558
1.5	3876.710	3863.460	3875.023	3871.180	3860.087
2.0	3874.991	3861.303	3870.239	3874.311	3861.060
2.5	3873.742	3858.740	3867.709	3869.186	3852.399
3.0	3870.742	3859.243	3866.931	3863.185	3851.686
3.5	3869.526	3857.151	3858.335	3858.125	3849.222
4.0	3861.303	3849.837	3858.903	3852.595	3841.567
4.5	3859.649	3846.902	3849.026	3845.816	3830.003
5.0	3858.400	3844.404	3846.123	3835.566	3828.918
5.5	3853.778	3837.560	3839.345	3835.794	3821.733
6.0	3847.339	3833.782	3830.814	3824.263	3812.830
6.5	3838.744	3825.656	3827.101	3816.706	3803.959
7.0	3835.874	3819.315	3818.603	3809.117	3787.708
7.5	3827.310	3811.628	3807.509	3795.494	3779.341
8.0	3821.375	3803.097	3801.234	3785.780	3767.940
8.5	3808.902	3795.475	3790.173	3771.719	3757.788
9.0	3804.346	3787.853	3781.740	3761.194	3747.263
9.5	3798.443	3779.760	3768.085	3751.983	3732.424
10.0	3786.441	3770.857	3757.057	3734.922	3722.403
10.5	3774.407	3761.077	3747.375	3720.958	3703.217
11.0	3758.058	3746.951	3731.157	3707.433	3691.979
11.5	3757.443	3738.486	3717.567	3693.503	3673.637
12.0	3750.632	3727.831	3704.885	3679.572	3657.549
12.5	3738.355	3715.894	3693.079	3661.327	3640.148
13.0	3718.163	3703.147	3676.455	3646.992	3627.191
13.5	3708.416	3688.713	3663.806	3627.400	3614.672
14.0	3695.669	3677.313	3648.562	3608.750	3595.584
14.5	3684.674	3661.127	3629.376	3594.042	3571.711
15.0	3667.985	3644.471	3614.975	3574.954	3554.440
15.5	3658.304	3627.815	3597.979	3555.055	3528.410
16.0	3639.458	3612.943	3584.048	3537.313	3521.179
16.5	3628.901	3597.228	3564.927	3519.134	3495.620
17.0	3611.434	3581.076	3545.434	3495.764	3477.538
17.5	3594.372	3564.047	3525.470	3475.865	3455.044
18.0	3574.651	3545.737	3506.820	3457.313	3431.302
18.5	3562.034	3532.244	3487.764	3433.976	3404.899
19.0	3542.378	3508.679	3463.891	3415.391	3386.379
19.5	3527.506	3493.029	3446.150	3392.524	3361.826
20.0	3504.411	3475.190	3423.591	3370.534	3336.770
20.5	3493.076	3455.566	3405.849	3348.510	3316.531
21.0	3462.941	3435.569	3381.166	3329.115	3295.449
21.5	3449.043	3417.324	3359.986	3302.745	3270.425
22.0	3433.393	3396.452	3337.021	3278.597	3250.219
22.5	3412.926	3375.174	3315.809	3255.325	3221.254
23.0	3388.988	3356.053	3296.851	3233.367	3203.270
23.5	3372.900	3335.214	3270.010	3209.187	3179.593
24.0	3349.903	3312.217	3248.425	3182.444	3155.007
24.5	3325.089	3290.533	3223.369	3159.172	3126.950
25.0	3304.688	3267.974	3200.437	3131.553	3102.835
25.5	3283.848	3245.853	3175.381	3109.190	3077.001
26.0	3261.256	3221.608	3150.324	3085.480	3055.075
26.5	3237.383	3199.049	3124.392	3058.299	3027.051

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CANDELA TABULATION - (Cont.)

27.0	3215.733	3175.679	3104.153	3032.870	3002.060
27.5	3190.578	3150.963	3074.750	3009.193	2981.919
28.0	3162.424	3125.841	3046.190	2984.202	2949.077
28.5	3139.525	3102.033	3025.513	2959.178	2924.557
29.0	3114.808	3078.664	2996.143	2934.220	2903.540
29.5	3091.406	3052.699	2971.995	2904.006	2872.045
30.0	3065.003	3025.858	2947.377	2882.080	2852.715
30.5	3039.411	3003.364	2922.791	2854.494	2827.756
31.0	3015.636	2976.086	2896.453	2828.222	2797.948
31.5	2989.168	2950.153	2867.083	2802.793	2776.022
32.0	2964.955	2923.783	2840.745	2776.083	2751.064
32.5	2935.925	2896.975	2813.565	2750.281	2725.229
33.0	2912.993	2869.729	2789.855	2723.100	2697.611
33.5	2885.276	2843.326	2760.452	2695.011	2670.868
34.0	2857.154	2815.237	2735.023	2673.556	2645.909
34.5	2830.752	2788.429	2707.809	2644.185	2621.761
35.0	2802.630	2761.183	2681.066	2620.070	2596.836
35.5	2777.508	2731.780	2653.447	2592.014	2567.060
36.0	2749.386	2705.848	2627.110	2565.303	2541.729
36.5	2721.264	2677.758	2599.491	2538.593	2513.639
37.0	2694.424	2650.107	2570.997	2508.850	2487.772
37.5	2664.582	2621.142	2545.064	2484.735	2468.004
38.0	2633.022	2594.334	2518.321	2456.645	2438.195
38.5	2607.966	2564.525	2489.827	2433.373	2414.048
39.0	2579.373	2536.874	2459.646	2404.879	2388.586
39.5	2548.689	2506.595	2431.183	2380.731	2363.562
40.0	2521.005	2479.381	2403.127	2355.237	2338.101
40.5	2491.602	2449.978	2375.037	2326.742	2313.515
41.0	2461.388	2422.327	2348.262	2301.686	2284.112
41.5	2431.547	2392.956	2320.205	2275.786	2258.180
42.0	2400.424	2363.147	2292.959	2248.102	2232.280
42.5	2370.616	2332.058	2264.027	2221.765	2206.348
43.0	2340.775	2301.439	2238.938	2196.708	2183.514
43.5	2310.123	2271.597	2209.972	2170.338	2157.614
44.0	2278.190	2243.070	2182.759	2143.530	2129.963
44.5	2245.414	2213.262	2156.389	2118.912	2105.377
45.0	2216.010	2184.296	2128.300	2092.104	2077.320
45.5	2186.169	2154.455	2101.491	2067.485	2048.355
46.0	2154.609	2125.928	2072.964	2039.834	2023.737
46.5	2123.925	2096.087	2046.156	2012.150	1996.523
47.0	2095.430	2066.684	2019.753	1984.936	1969.715
47.5	2063.837	2036.843	1992.069	1958.566	1944.221
48.0	2034.466	2007.877	1963.947	1930.477	1916.099
48.5	2004.625	1979.755	1936.263	1902.355	1888.415
49.0	1974.784	1950.352	1910.736	1877.299	1861.607
49.5	1941.910	1920.511	1882.615	1848.301	1837.394
50.0	1914.226	1892.827	1856.212	1822.336	1810.959
50.5	1883.509	1862.548	1828.495	1795.528	1784.118
51.0	1853.230	1833.550	1801.216	1767.373	1756.401
51.5	1822.513	1804.990	1773.938	1739.219	1730.404
52.0	1793.110	1775.554	1746.221	1714.568	1703.969
52.5	1764.112	1746.557	1718.943	1688.132	1677.365
53.0	1732.519	1718.402	1691.664	1658.226	1650.238
53.5	1702.678	1689.842	1664.385	1633.020	1626.635
54.0	1672.399	1660.844	1636.669	1605.187	1598.094
54.5	1642.087	1631.846	1607.233	1578.566	1572.064

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55.0	1613.560	1602.816	1579.954	1549.857	1546.102
55.5	1584.124	1574.661	1551.362	1523.574	1519.702
56.0	1553.845	1546.507	1522.802	1497.207	1493.571
56.5	1523.971	1517.947	1494.547	1470.031	1467.356
57.0	1493.254	1490.636	1466.645	1443.125	1440.148
57.5	1464.661	1462.481	1438.743	1415.765	1412.334
58.0	1434.788	1434.327	1410.050	1388.927	1384.672
58.5	1403.633	1405.734	1382.655	1362.696	1357.633
59.0	1375.040	1377.142	1355.090	1335.404	1330.762
59.5	1345.167	1348.954	1327.257	1308.550	1304.397
60.0	1316.136	1320.699	1298.885	1281.763	1277.056
60.5	1286.262	1292.512	1271.288	1253.848	1249.900
61.0	1256.844	1264.240	1243.691	1225.664	1222.728
61.5	1227.514	1236.491	1215.218	1198.693	1195.977
62.0	1198.224	1208.304	1188.144	1171.958	1167.306
62.5	1169.224	1180.101	1161.238	1144.095	1138.719
63.0	1140.443	1152.770	1134.147	1117.192	1111.514
63.5	1111.734	1125.038	1106.618	1089.228	1085.084
64.0	1082.434	1097.310	1078.550	1061.517	1056.481
64.5	1053.553	1069.703	1051.005	1033.890	1028.821
65.0	1025.187	1042.056	1023.107	1006.078	1000.893
65.5	996.518	1014.709	995.814	980.018	972.088
66.0	968.187	987.608	967.815	952.628	946.080
66.5	939.936	960.470	940.591	924.194	918.220
67.0	911.520	933.070	912.760	896.535	890.005
67.5	883.748	906.053	884.997	867.730	862.145
68.0	855.963	878.612	856.675	839.886	834.184
68.5	828.094	851.043	829.334	812.379	805.869
69.0	800.568	823.267	801.511	783.912	777.285
69.5	773.258	795.823	774.295	756.351	748.687
70.0	746.083	768.513	746.722	728.215	720.541
70.5	719.032	740.984	719.054	699.944	692.895
71.0	691.891	713.796	691.556	672.151	665.254
71.5	665.738	686.860	663.916	645.002	637.439
72.0	639.531	660.094	636.792	617.550	609.701
72.5	613.208	633.836	609.486	590.217	582.176
73.0	587.655	607.626	582.521	562.924	554.769
73.5	561.930	581.325	555.722	535.496	527.369
74.0	536.926	555.702	529.134	508.530	500.694
74.5	512.101	530.210	502.581	481.837	473.887
75.0	487.353	504.714	476.247	455.569	447.074
75.5	462.866	479.857	450.334	429.382	420.638
76.0	439.099	455.043	424.894	403.442	393.853
76.5	415.549	430.778	399.493	377.582	367.445
77.0	392.561	406.433	374.606	351.719	341.809
77.5	369.867	382.684	349.974	326.585	316.567
78.0	347.564	359.058	325.731	301.834	291.272
78.5	325.726	335.727	301.615	277.469	266.142
79.0	304.232	312.697	278.140	253.228	240.611
79.5	283.594	289.967	255.265	229.149	215.691
80.0	263.432	267.706	232.946	205.410	191.589
80.5	243.697	245.873	211.053	181.979	168.144
81.0	224.438	224.340	189.928	159.413	145.522
81.5	205.736	203.447	169.190	137.589	123.738
82.0	187.764	183.283	149.265	116.890	103.002
82.5	170.437	163.850	129.772	97.033	83.731

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CANDELA TABULATION - (Cont.)

83.0	153.797	144.973	110.885	78.584	65.449
83.5	137.845	126.916	92.905	60.916	48.464
84.0	122.581	109.887	75.926	44.787	38.617
84.5	108.001	93.629	59.913	35.331	32.645
85.0	94.152	78.360	44.205	29.535	27.846
85.5	81.076	64.075	30.065	24.867	23.744
86.0	68.687	50.781	23.263	20.812	20.124
86.5	56.989	38.518	18.773	17.367	16.898
87.0	46.188	27.169	15.069	14.357	13.932
87.5	36.074	15.974	11.977	11.437	11.313
88.0	26.905	10.501	9.274	8.906	8.697
88.5	18.632	7.582	6.833	6.590	6.509
89.0	11.638	5.101	4.608	4.489	4.493
89.5	5.749	3.095	2.895	2.858	2.645
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-L33-850-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-L33-850-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-L33-850-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1380.51	N.A.	15.00
0-30	2853.5	N.A.	31.00
0-40	4535.19	N.A.	49.30
0-60	7595.4	N.A.	82.60
0-80	9111.58	N.A.	99.10
0-90	9195.07	N.A.	100.00
10-90	8831.08	N.A.	96.00
20-40	3154.68	N.A.	34.30
20-50	4803.81	N.A.	52.20
40-70	4070.44	N.A.	44.30
60-80	1516.18	N.A.	16.50
70-80	505.95	N.A.	5.50
80-90	83.49	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	9195.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	363.99
10-20	1016.52
20-30	1472.99
30-40	1681.69
40-50	1649.12
50-60	1411.09
60-70	1010.23
70-80	505.95
80-90	83.49
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-L33-850-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-L33-850-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

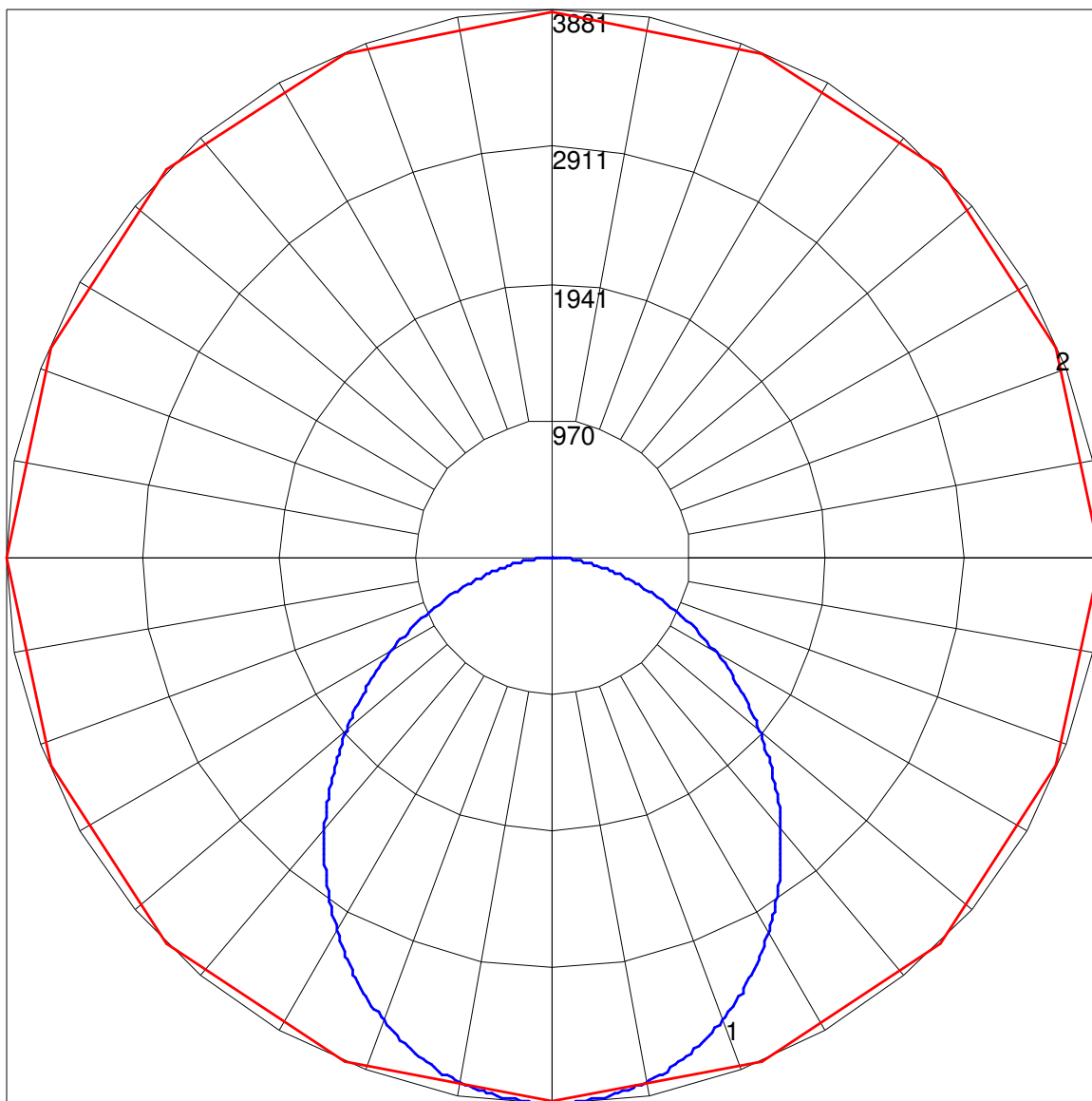
Reflectances

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	19.9	21.5	20.3	21.8	22.1	19.7	21.3	20.1	21.6	21.9
	3H	21.5	23.0	21.9	23.3	23.6	21.3	22.7	21.7	23.0	23.4
	4H	22.1	23.4	22.5	23.7	24.1	21.8	23.1	22.2	23.4	23.8
	6H	22.4	23.6	22.8	24.0	24.4	22.0	23.2	22.4	23.6	24.0
	8H	22.5	23.6	22.9	24.0	24.4	22.0	23.2	22.4	23.6	24.0
	12H	22.5	23.6	22.9	24.0	24.4	22.0	23.1	22.4	23.5	23.9
4H	2H	20.5	21.8	20.9	22.2	22.5	20.3	21.6	20.7	22.0	22.4
	3H	22.3	23.4	22.7	23.8	24.2	22.1	23.2	22.5	23.6	24.0
	4H	22.9	23.9	23.4	24.4	24.8	22.7	23.7	23.1	24.1	24.5
	6H	23.4	24.3	23.8	24.7	25.2	23.0	23.8	23.4	24.3	24.7
	8H	23.5	24.3	24.0	24.7	25.2	23.0	23.8	23.4	24.2	24.7
	12H	23.6	24.3	24.0	24.8	25.2	23.0	23.7	23.5	24.2	24.6
8H	4H	23.2	24.0	23.6	24.4	24.9	22.9	23.7	23.4	24.1	24.6
	6H	23.7	24.3	24.2	24.8	25.3	23.2	23.9	23.7	24.4	24.9
	8H	23.8	24.4	24.3	24.9	25.4	23.3	23.9	23.8	24.4	24.9
	12H	23.9	24.4	24.4	24.9	25.5	23.3	23.8	23.8	24.3	24.9
12H	4H	23.1	23.9	23.6	24.4	24.8	22.9	23.6	23.4	24.1	24.6
	6H	23.7	24.3	24.2	24.7	25.3	23.3	23.9	23.8	24.3	24.9
	8H	23.8	24.4	24.4	24.9	25.4	23.3	23.9	23.8	24.4	24.9

Maximum UGR = 25.5

POLAR GRAPH



Maximum Candela = 3881.057 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.)