

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2AEG-L33-940-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-L33-940-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	7460
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
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	8928	8575	8369
55	8014	7848	7679
65	6911	6897	6747
75	5364	5242	4921
85	3078	1445	910

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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	3143.532	3143.532	3143.532	3143.532	3143.532
0.5	3146.597	3139.400	3145.939	3146.348	3133.439
1.0	3148.782	3137.295	3146.650	3143.532	3137.019
1.5	3145.255	3134.505	3143.887	3140.769	3131.768
2.0	3143.861	3132.755	3140.005	3143.309	3132.558
2.5	3142.847	3130.676	3137.952	3139.151	3125.531
3.0	3140.413	3131.084	3137.321	3134.282	3124.953
3.5	3139.427	3129.387	3130.347	3130.177	3122.953
4.0	3132.755	3123.452	3130.808	3125.690	3116.743
4.5	3131.413	3121.071	3122.795	3120.190	3107.361
5.0	3130.400	3119.045	3120.440	3111.874	3106.480
5.5	3126.650	3113.492	3114.940	3112.060	3100.652
6.0	3121.426	3110.427	3108.019	3102.704	3093.428
6.5	3114.452	3103.834	3105.006	3096.573	3086.231
7.0	3112.124	3098.690	3098.112	3090.415	3073.047
7.5	3105.176	3092.453	3089.111	3079.363	3066.258
8.0	3100.361	3085.532	3084.020	3071.482	3057.008
8.5	3090.242	3079.348	3075.046	3060.074	3048.772
9.0	3086.545	3073.164	3068.204	3051.535	3040.233
9.5	3081.756	3066.598	3057.125	3044.062	3028.193
10.0	3072.018	3059.374	3048.178	3030.219	3020.063
10.5	3062.255	3051.440	3040.323	3018.891	3004.497
11.0	3048.991	3039.979	3027.165	3007.918	2995.379
11.5	3048.492	3033.111	3016.139	2996.615	2980.498
12.0	3042.965	3024.466	3005.850	2985.313	2967.445
12.5	3033.005	3014.782	2996.271	2970.511	2953.327
13.0	3016.623	3004.440	2982.785	2958.880	2942.815
13.5	3008.715	2992.730	2972.522	2942.985	2932.658
14.0	2998.373	2983.480	2960.154	2927.854	2917.172
14.5	2989.452	2970.348	2944.588	2915.921	2897.803
15.0	2975.913	2956.835	2932.904	2900.434	2883.791
15.5	2968.058	2943.322	2919.115	2884.290	2862.672
16.0	2952.768	2931.256	2907.813	2869.896	2856.806
16.5	2944.202	2918.506	2892.300	2855.146	2836.069
17.0	2930.031	2905.401	2876.484	2836.186	2821.399
17.5	2916.189	2891.585	2860.287	2820.042	2803.149
18.0	2900.188	2876.730	2845.156	2804.990	2783.886
18.5	2889.952	2865.783	2829.696	2786.056	2762.465
19.0	2874.004	2846.664	2810.327	2770.978	2747.440
19.5	2861.939	2833.967	2795.933	2752.425	2727.519
20.0	2843.201	2819.493	2777.630	2734.584	2707.191
20.5	2834.005	2803.572	2763.236	2716.716	2690.770
21.0	2809.556	2787.349	2743.210	2700.980	2673.666
21.5	2798.280	2772.546	2726.026	2679.585	2653.364
22.0	2785.583	2755.612	2707.395	2659.994	2636.970
22.5	2768.978	2738.349	2690.184	2641.113	2613.470
23.0	2749.556	2722.836	2674.804	2623.298	2598.879
23.5	2736.504	2705.928	2653.027	2603.680	2579.669
24.0	2717.846	2687.270	2635.515	2581.983	2559.722
24.5	2697.714	2669.678	2615.186	2563.102	2536.959
25.0	2681.162	2651.375	2596.581	2540.694	2517.394
25.5	2664.254	2633.428	2576.252	2522.550	2496.434
26.0	2645.925	2613.757	2555.924	2503.314	2478.646
26.5	2626.556	2595.454	2534.884	2481.262	2455.909

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27.0	2608.991	2576.494	2518.464	2460.630	2435.634
27.5	2588.582	2556.441	2494.609	2441.421	2419.293
28.0	2565.740	2536.060	2471.437	2421.145	2392.648
28.5	2547.162	2516.744	2454.662	2400.843	2372.754
29.0	2527.109	2497.784	2430.833	2380.593	2355.702
29.5	2508.122	2476.718	2411.241	2356.080	2330.150
30.0	2486.701	2454.942	2391.268	2338.292	2314.467
30.5	2465.937	2436.692	2371.321	2315.910	2294.217
31.0	2446.648	2414.560	2349.953	2294.595	2270.033
31.5	2425.174	2393.521	2326.124	2273.964	2252.244
32.0	2405.530	2372.126	2304.756	2252.294	2231.995
32.5	2381.977	2350.376	2282.703	2231.360	2211.035
33.0	2363.372	2328.271	2263.467	2209.308	2188.627
33.5	2340.885	2306.850	2239.612	2186.518	2166.930
34.0	2318.069	2284.060	2218.981	2169.111	2146.681
34.5	2296.648	2262.310	2196.902	2145.282	2127.090
35.0	2273.832	2240.205	2175.205	2125.717	2106.867
35.5	2253.450	2216.350	2152.797	2102.954	2082.709
36.0	2230.634	2195.310	2131.429	2081.284	2062.157
36.5	2207.818	2172.521	2109.021	2059.613	2039.368
37.0	2186.042	2150.087	2085.903	2035.482	2018.381
37.5	2161.831	2126.587	2064.863	2015.917	2002.343
38.0	2136.226	2104.837	2043.166	1993.127	1978.159
38.5	2115.897	2080.652	2020.048	1974.246	1958.567
39.0	2092.699	2058.218	1995.561	1951.128	1937.909
39.5	2067.804	2033.652	1972.470	1931.536	1917.607
40.0	2045.344	2011.573	1949.707	1910.852	1896.950
40.5	2021.488	1987.718	1926.917	1887.734	1877.003
41.0	1996.975	1965.284	1905.194	1867.405	1853.147
41.5	1972.764	1941.455	1882.431	1846.392	1832.108
42.0	1947.514	1917.271	1860.325	1823.932	1811.095
42.5	1923.330	1892.047	1836.852	1802.564	1790.056
43.0	1899.119	1867.205	1816.497	1782.235	1771.530
43.5	1874.251	1842.994	1792.996	1760.840	1750.517
44.0	1848.343	1819.849	1770.918	1739.090	1728.083
44.5	1821.751	1795.665	1749.523	1719.117	1708.136
45.0	1797.895	1772.165	1726.734	1697.367	1685.373
45.5	1773.684	1747.954	1704.984	1677.394	1661.873
46.0	1748.079	1724.809	1681.839	1654.960	1641.900
46.5	1723.184	1700.599	1660.089	1632.499	1619.821
47.0	1700.066	1676.743	1638.668	1610.420	1598.071
47.5	1674.434	1652.533	1616.207	1589.025	1577.387
48.0	1650.605	1629.033	1593.391	1566.236	1554.571
48.5	1626.394	1606.217	1570.931	1543.420	1532.110
49.0	1602.183	1582.361	1550.220	1523.091	1510.360
49.5	1575.512	1558.150	1527.404	1499.565	1490.716
50.0	1553.051	1535.690	1505.983	1478.499	1469.268
50.5	1528.130	1511.124	1483.496	1456.749	1447.492
51.0	1503.564	1487.597	1461.364	1433.907	1425.005
51.5	1478.642	1464.426	1439.233	1411.064	1403.913
52.0	1454.787	1440.544	1416.746	1391.064	1382.465
52.5	1431.260	1417.018	1394.614	1369.617	1360.881
53.0	1405.628	1394.175	1372.482	1345.353	1338.873
53.5	1381.418	1371.004	1350.350	1324.903	1319.722
54.0	1356.852	1347.477	1327.863	1302.321	1296.567
54.5	1332.259	1323.951	1303.981	1280.724	1275.448

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55.0	1309.114	1300.398	1281.850	1257.431	1254.384
55.5	1285.233	1277.555	1258.652	1236.107	1232.966
56.0	1260.667	1254.713	1235.481	1214.715	1211.765
56.5	1236.429	1231.542	1212.557	1192.667	1190.496
57.0	1211.508	1209.384	1189.920	1170.838	1168.422
57.5	1188.310	1186.541	1167.282	1148.640	1145.856
58.0	1164.073	1163.699	1144.003	1126.866	1123.413
58.5	1138.796	1140.501	1121.776	1105.583	1101.475
59.0	1115.599	1117.303	1099.413	1083.441	1079.675
59.5	1091.362	1094.435	1076.831	1061.653	1058.285
60.0	1067.808	1071.511	1053.812	1039.921	1036.102
60.5	1043.571	1048.642	1031.422	1017.273	1014.070
61.0	1019.704	1025.705	1009.032	994.407	992.024
61.5	995.907	1003.191	985.932	972.524	970.321
62.0	972.144	980.322	963.966	950.834	947.059
62.5	948.616	957.440	942.136	928.228	923.866
63.0	925.265	935.266	920.157	906.401	901.794
63.5	901.973	912.767	897.822	883.713	880.351
64.0	878.201	890.270	875.050	861.230	857.145
64.5	854.769	867.872	852.702	838.816	834.704
65.0	831.756	845.442	830.068	816.252	812.045
65.5	808.496	823.254	807.925	795.109	788.675
66.0	785.510	801.267	785.208	772.887	767.574
66.5	762.590	779.250	763.121	749.818	744.971
67.0	739.535	757.019	740.541	727.377	722.080
67.5	717.003	735.100	718.017	704.007	699.476
68.0	694.461	712.836	695.038	681.417	676.790
68.5	671.849	690.469	672.856	659.100	653.818
69.0	649.517	667.934	650.283	636.004	630.627
69.5	627.360	645.668	628.201	613.643	607.426
70.0	605.312	623.510	605.831	590.816	584.590
70.5	583.366	601.176	583.384	567.879	562.160
71.0	561.346	579.117	561.074	545.330	539.735
71.5	540.127	557.264	538.649	523.304	517.167
72.0	518.864	535.548	516.643	501.031	494.663
72.5	497.509	514.245	494.489	478.855	472.332
73.0	476.777	492.980	472.612	456.712	450.096
73.5	455.905	471.641	450.869	434.459	427.866
74.0	435.619	450.852	429.298	412.581	406.223
74.5	415.478	430.170	407.755	390.925	384.474
75.0	395.400	409.485	386.389	369.613	362.720
75.5	375.532	389.318	365.365	348.367	341.273
76.0	356.250	369.185	344.725	327.320	319.541
76.5	337.143	349.499	324.117	306.340	298.116
77.0	318.493	329.748	303.925	285.357	277.317
77.5	300.081	310.480	283.941	264.965	256.838
78.0	281.986	291.311	264.272	244.885	236.315
78.5	264.268	272.383	244.706	225.116	215.927
79.0	246.830	253.698	225.661	205.449	195.213
79.5	230.086	235.256	207.102	185.913	174.994
80.0	213.728	217.195	188.994	166.654	155.440
80.5	197.717	199.482	171.231	147.643	136.419
81.0	182.092	182.011	154.092	129.335	118.065
81.5	166.918	165.061	137.267	111.629	100.391
82.0	152.337	148.701	121.102	94.835	83.568
82.5	138.279	132.935	105.287	78.725	67.933

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CANDELA TABULATION - (Cont.)

83.0	124.779	117.620	89.963	63.757	53.100
83.5	111.837	102.969	75.376	49.422	39.320
84.0	99.452	89.153	61.600	36.337	31.331
84.5	87.623	75.963	48.609	28.665	26.486
85.0	76.388	63.575	35.865	23.962	22.592
85.5	65.778	51.985	24.392	20.175	19.264
86.0	55.727	41.199	18.873	16.885	16.327
86.5	46.236	31.251	15.231	14.090	13.710
87.0	37.473	22.043	12.226	11.648	11.303
87.5	29.268	12.960	9.718	9.279	9.178
88.0	21.829	8.520	7.524	7.225	7.056
88.5	15.117	6.152	5.544	5.346	5.281
89.0	9.442	4.138	3.738	3.642	3.645
89.5	4.664	2.511	2.349	2.319	2.146
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-L33-940-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-L33-940-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-L33-940-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1120.04	N.A.	15.00
0-30	2315.1	N.A.	31.00
0-40	3679.49	N.A.	49.30
0-60	6162.31	N.A.	82.60
0-80	7392.41	N.A.	99.10
0-90	7460.15	N.A.	100.00
10-90	7164.84	N.A.	96.00
20-40	2559.46	N.A.	34.30
20-50	3897.43	N.A.	52.20
40-70	3302.43	N.A.	44.30
60-80	1230.11	N.A.	16.50
70-80	410.49	N.A.	5.50
80-90	67.74	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	7460.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	295.31
10-20	824.73
20-30	1195.07
30-40	1364.39
40-50	1337.97
50-60	1144.84
60-70	819.62
70-80	410.49
80-90	67.74
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-L33-940-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-L33-940-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

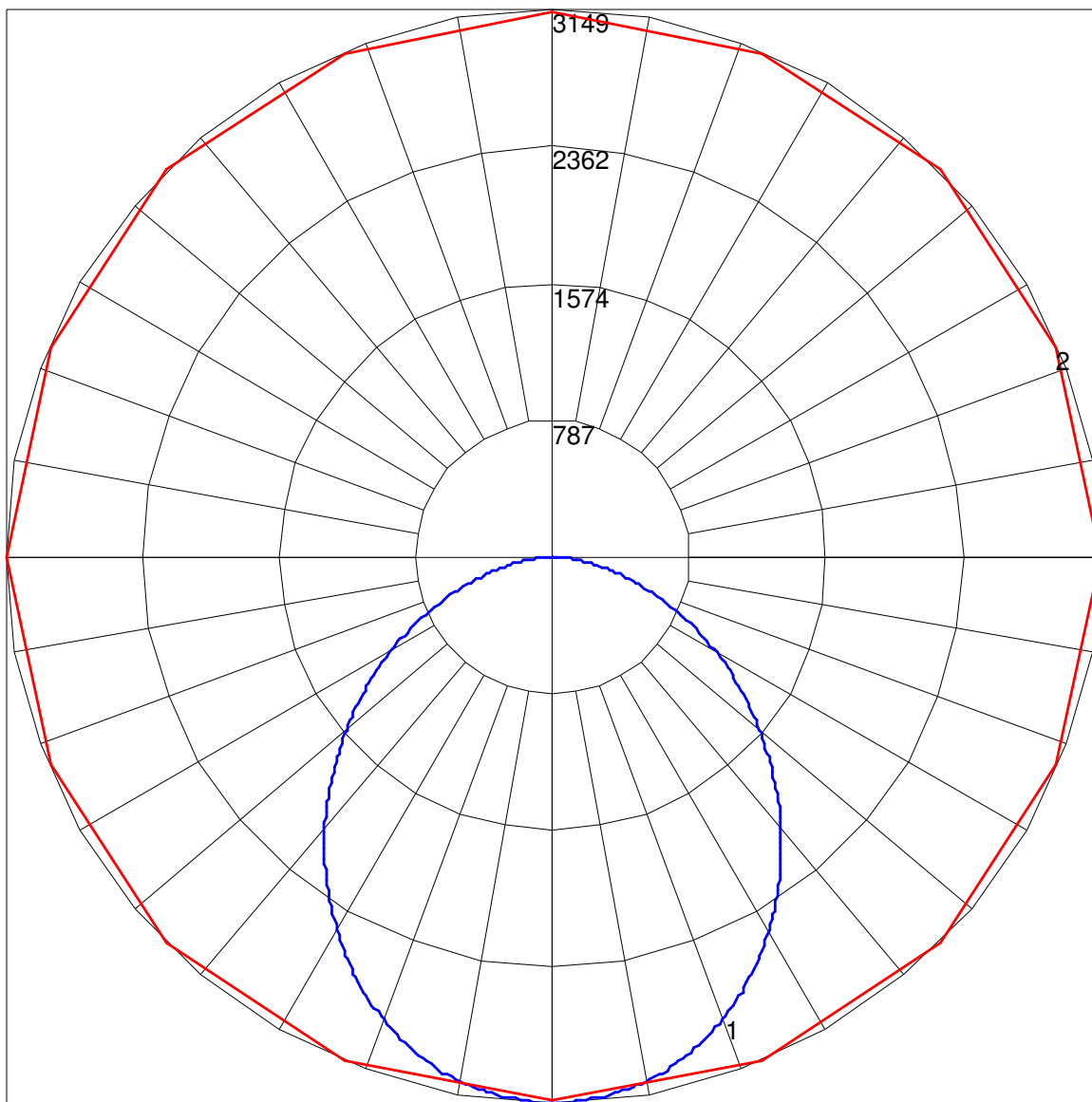
Reflectances

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	19.2	20.8	19.6	21.1	21.4	19.0	20.6	19.4	20.9	21.2
	3H	20.8	22.3	21.2	22.6	22.9	20.6	22.0	21.0	22.3	22.7
	4H	21.4	22.7	21.8	23.0	23.4	21.1	22.4	21.5	22.7	23.1
	6H	21.7	22.9	22.1	23.3	23.7	21.3	22.5	21.7	22.9	23.3
	8H	21.8	22.9	22.2	23.3	23.7	21.3	22.5	21.7	22.9	23.3
	12H	21.8	22.9	22.2	23.3	23.7	21.3	22.4	21.7	22.8	23.2
4H	2H	19.8	21.1	20.2	21.5	21.8	19.6	20.9	20.0	21.3	21.7
	3H	21.6	22.7	22.0	23.1	23.5	21.4	22.5	21.8	22.9	23.3
	4H	22.2	23.2	22.7	23.7	24.1	22.0	23.0	22.4	23.4	23.8
	6H	22.7	23.6	23.1	24.0	24.5	22.3	23.1	22.7	23.6	24.0
	8H	22.8	23.6	23.3	24.0	24.5	22.3	23.1	22.7	23.5	24.0
	12H	22.9	23.6	23.3	24.1	24.5	22.3	23.0	22.8	23.5	23.9
8H	4H	22.5	23.3	22.9	23.7	24.2	22.2	23.0	22.7	23.4	23.9
	6H	23.0	23.6	23.5	24.1	24.6	22.5	23.2	23.0	23.7	24.2
	8H	23.1	23.7	23.6	24.2	24.7	22.6	23.2	23.1	23.7	24.2
	12H	23.2	23.7	23.7	24.2	24.8	22.6	23.1	23.1	23.6	24.2
12H	4H	22.4	23.2	22.9	23.7	24.1	22.2	22.9	22.7	23.4	23.9
	6H	23.0	23.6	23.5	24.0	24.6	22.6	23.2	23.1	23.6	24.2
	8H	23.1	23.7	23.7	24.2	24.7	22.6	23.2	23.1	23.7	24.2

Maximum UGR = 24.8

POLAR GRAPH



Maximum Candela = 3148.782 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.)