

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR2AEG-L33-950-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-L33-950-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	7720
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
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	9240	8874	8661
55	8294	8121	7947
65	7152	7137	6982
75	5552	5425	5093
85	3185	1495	942

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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	3253.190	3253.190	3253.190	3253.190	3253.190
0.5	3256.362	3248.914	3255.682	3256.104	3242.745
1.0	3258.623	3246.735	3256.417	3253.190	3246.450
1.5	3254.974	3243.848	3253.557	3250.330	3241.016
2.0	3253.530	3242.037	3249.540	3252.959	3241.834
2.5	3252.482	3239.886	3247.416	3248.656	3234.562
3.0	3249.962	3240.308	3246.763	3243.617	3233.963
3.5	3248.941	3238.552	3239.545	3239.369	3231.894
4.0	3242.037	3232.410	3240.023	3234.726	3225.467
4.5	3240.648	3229.946	3231.729	3229.034	3215.757
5.0	3239.600	3227.849	3229.292	3220.428	3214.846
5.5	3235.720	3222.102	3223.601	3220.620	3208.814
6.0	3230.313	3218.930	3216.438	3210.938	3201.338
6.5	3223.096	3212.108	3213.320	3204.593	3193.890
7.0	3220.686	3206.784	3206.185	3198.221	3180.246
7.5	3213.496	3200.329	3196.871	3186.782	3173.220
8.0	3208.513	3193.167	3191.602	3178.626	3163.648
8.5	3198.041	3186.767	3182.315	3166.820	3155.124
9.0	3194.215	3180.367	3175.235	3157.984	3146.287
9.5	3189.259	3173.572	3163.769	3150.250	3133.828
10.0	3179.182	3166.097	3154.510	3135.925	3125.414
10.5	3169.078	3157.886	3146.381	3124.201	3109.305
11.0	3155.351	3146.025	3132.764	3112.845	3099.869
11.5	3154.835	3138.917	3121.353	3101.149	3084.469
12.0	3149.115	3129.971	3110.705	3089.452	3070.961
12.5	3138.808	3119.949	3100.793	3074.133	3056.350
13.0	3121.854	3109.246	3086.835	3062.097	3045.471
13.5	3113.670	3097.127	3076.215	3045.648	3034.960
14.0	3102.968	3087.555	3063.415	3029.988	3018.934
14.5	3093.736	3073.965	3047.306	3017.639	2998.889
15.0	3079.723	3059.980	3035.215	3001.612	2984.388
15.5	3071.595	3045.996	3020.944	2984.905	2962.533
16.0	3055.771	3033.509	3009.248	2970.008	2956.462
16.5	3046.907	3020.314	2993.194	2954.744	2935.001
17.0	3032.242	3006.752	2976.827	2935.123	2919.820
17.5	3017.916	2992.454	2960.064	2918.415	2900.933
18.0	3001.358	2977.081	2944.405	2902.838	2880.998
18.5	2990.764	2965.752	2928.406	2883.244	2858.830
19.0	2974.260	2945.966	2908.362	2867.640	2843.281
19.5	2961.774	2932.826	2893.465	2848.440	2822.665
20.0	2942.383	2917.848	2874.524	2829.976	2801.627
20.5	2932.865	2901.371	2859.628	2811.485	2784.634
21.0	2907.564	2884.582	2838.903	2795.200	2766.933
21.5	2895.895	2869.263	2821.120	2773.059	2745.923
22.0	2882.755	2851.738	2801.839	2752.784	2728.957
22.5	2865.570	2833.873	2784.028	2733.245	2704.637
23.0	2845.471	2817.818	2768.111	2714.808	2689.538
23.5	2831.964	2800.321	2745.575	2694.506	2669.658
24.0	2812.655	2781.012	2727.451	2672.052	2649.015
24.5	2791.820	2762.806	2706.413	2652.512	2625.458
25.0	2774.690	2743.865	2687.159	2629.323	2605.210
25.5	2757.193	2725.292	2666.122	2610.546	2583.519
26.0	2738.224	2704.935	2645.084	2590.639	2565.110
26.5	2718.180	2685.994	2623.310	2567.817	2541.581

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27.0	2700.002	2666.372	2606.317	2546.466	2520.597
27.5	2678.882	2645.620	2581.630	2526.586	2503.687
28.0	2655.243	2624.527	2557.650	2505.603	2476.112
28.5	2636.016	2604.537	2540.290	2484.593	2455.524
29.0	2615.264	2584.916	2515.629	2463.637	2437.878
29.5	2595.615	2563.115	2495.354	2438.269	2411.434
30.0	2573.446	2540.579	2474.684	2419.860	2395.204
30.5	2551.959	2521.693	2454.042	2396.698	2374.248
31.0	2531.996	2498.789	2431.928	2374.639	2349.220
31.5	2509.773	2477.016	2407.268	2353.288	2330.811
32.0	2489.444	2454.875	2385.154	2330.862	2309.855
32.5	2465.069	2432.366	2362.333	2309.198	2288.164
33.0	2445.815	2409.490	2342.425	2286.377	2264.975
33.5	2422.543	2387.321	2317.738	2262.792	2242.521
34.0	2398.932	2363.737	2296.387	2244.778	2221.565
34.5	2376.763	2341.228	2273.538	2220.118	2201.290
35.0	2353.151	2318.352	2251.084	2199.870	2180.362
35.5	2332.059	2293.664	2227.895	2176.313	2155.361
36.0	2308.447	2271.891	2205.781	2153.887	2134.093
36.5	2284.835	2248.306	2182.592	2131.460	2110.508
37.0	2262.299	2225.090	2158.667	2106.487	2088.790
37.5	2237.244	2200.770	2136.894	2086.239	2072.192
38.0	2210.745	2178.261	2114.440	2062.655	2047.164
38.5	2189.707	2153.233	2090.515	2043.115	2026.889
39.0	2165.700	2130.017	2065.174	2019.191	2005.511
39.5	2139.937	2104.594	2041.277	1998.916	1984.500
40.0	2116.693	2081.745	2017.720	1977.510	1963.122
40.5	2092.005	2057.057	1994.135	1953.585	1942.480
41.0	2066.637	2033.840	1971.654	1932.547	1917.792
41.5	2041.582	2009.180	1948.097	1910.802	1896.019
42.0	2015.451	1984.152	1925.220	1887.557	1874.273
42.5	1990.423	1958.048	1900.928	1865.444	1852.500
43.0	1965.367	1932.340	1879.863	1844.406	1833.328
43.5	1939.632	1907.285	1855.543	1822.265	1811.582
44.0	1912.820	1883.332	1832.694	1799.756	1788.365
44.5	1885.300	1858.305	1810.553	1779.086	1767.722
45.0	1860.612	1833.985	1786.968	1756.578	1744.165
45.5	1835.557	1808.929	1764.460	1735.907	1719.845
46.0	1809.058	1784.977	1740.508	1712.691	1699.175
46.5	1783.295	1759.922	1717.999	1689.447	1676.326
47.0	1759.370	1735.234	1695.831	1666.598	1653.818
47.5	1732.844	1710.179	1672.586	1644.457	1632.412
48.0	1708.184	1685.859	1648.975	1620.872	1608.800
48.5	1683.129	1662.247	1625.731	1597.260	1585.556
49.0	1658.073	1637.560	1604.298	1576.222	1563.047
49.5	1630.472	1612.505	1580.686	1551.875	1542.718
50.0	1607.227	1589.260	1558.517	1530.075	1520.522
50.5	1581.437	1563.837	1535.246	1507.566	1497.986
51.0	1556.014	1539.490	1512.342	1483.927	1474.714
51.5	1530.223	1515.511	1489.438	1460.287	1452.886
52.0	1505.535	1490.796	1466.167	1439.590	1430.691
52.5	1481.188	1466.448	1443.263	1417.394	1408.353
53.0	1454.662	1442.809	1420.359	1392.284	1385.577
53.5	1429.607	1418.830	1397.456	1371.121	1365.759
54.0	1404.184	1394.482	1374.184	1347.751	1341.796
54.5	1378.733	1370.135	1349.469	1325.400	1319.940

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55.0	1354.781	1345.761	1326.565	1301.295	1298.142
55.5	1330.066	1322.121	1302.558	1279.227	1275.976
56.0	1304.643	1298.482	1278.579	1257.089	1254.036
56.5	1279.561	1274.503	1254.855	1234.272	1232.025
57.0	1253.770	1251.571	1231.428	1211.681	1209.181
57.5	1229.763	1227.932	1208.002	1188.708	1185.827
58.0	1204.680	1204.293	1183.910	1166.175	1162.602
58.5	1178.522	1180.286	1160.908	1144.150	1139.899
59.0	1154.515	1156.279	1137.765	1121.235	1117.338
59.5	1129.432	1132.613	1114.395	1098.688	1095.202
60.0	1105.058	1108.889	1090.573	1076.198	1072.245
60.5	1079.975	1085.222	1067.402	1052.759	1049.445
61.0	1055.275	1061.485	1044.231	1029.095	1026.630
61.5	1030.648	1038.186	1020.325	1006.450	1004.169
62.0	1006.056	1014.519	997.592	984.003	980.096
62.5	981.707	990.839	975.001	960.608	956.094
63.0	957.542	967.892	952.255	938.019	933.252
63.5	933.437	944.608	929.141	914.540	911.061
64.0	908.836	921.326	905.575	891.273	887.045
64.5	884.587	898.147	882.448	868.077	863.822
65.0	860.770	874.934	859.023	844.726	840.372
65.5	836.699	851.973	836.108	822.846	816.187
66.0	812.911	829.218	812.599	799.848	794.350
66.5	789.192	806.433	789.741	775.974	770.958
67.0	765.333	783.426	766.374	752.751	747.269
67.5	742.015	760.743	743.064	728.566	723.876
68.0	718.686	737.702	719.284	705.187	700.399
68.5	695.286	714.555	696.328	682.092	676.626
69.0	672.175	691.234	672.967	658.190	652.626
69.5	649.245	668.191	650.115	635.049	628.615
70.0	626.428	645.261	626.964	611.426	604.983
70.5	603.716	622.147	603.734	587.689	581.770
71.0	580.928	599.319	580.646	564.353	558.563
71.5	558.968	576.704	557.439	541.559	535.208
72.0	536.964	554.230	534.665	518.509	511.919
72.5	514.864	532.183	511.739	495.559	488.808
73.0	493.408	510.177	489.098	472.643	465.797
73.5	471.809	488.094	466.596	449.614	442.791
74.0	450.815	466.580	444.273	426.974	420.394
74.5	429.971	445.176	421.979	404.561	397.886
75.0	409.193	423.770	399.868	382.506	375.373
75.5	388.632	402.898	378.111	360.519	353.178
76.0	368.678	382.064	356.750	338.739	330.688
76.5	348.904	361.691	335.424	317.026	308.515
77.0	329.603	341.250	314.527	295.311	286.991
77.5	310.549	321.311	293.846	274.208	265.797
78.0	291.822	301.473	273.491	253.427	244.558
78.5	273.487	281.884	253.243	232.969	223.459
79.0	255.440	262.548	233.533	212.616	202.023
79.5	238.112	243.463	214.326	192.398	181.099
80.0	221.183	224.772	195.587	172.467	160.862
80.5	204.614	206.440	177.204	152.793	141.178
81.0	188.444	188.361	159.467	133.847	122.183
81.5	172.740	170.819	142.056	115.523	103.893
82.0	157.651	153.888	125.327	98.144	86.483
82.5	143.103	137.572	108.959	81.471	70.302

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CANDELA TABULATION - (Cont.)

83.0	129.132	121.723	93.102	65.981	54.953
83.5	115.738	106.561	78.005	51.146	40.691
84.0	102.921	92.263	63.749	37.604	32.424
84.5	90.680	78.613	50.304	29.665	27.410
85.0	79.052	65.793	37.116	24.798	23.380
85.5	68.073	53.799	25.243	20.879	19.936
86.0	57.671	42.637	19.532	17.474	16.897
86.5	47.849	32.341	15.762	14.582	14.188
87.0	38.780	22.811	12.652	12.054	11.698
87.5	30.289	13.412	10.057	9.603	9.498
88.0	22.590	8.817	7.787	7.477	7.302
88.5	15.644	6.366	5.737	5.533	5.465
89.0	9.771	4.283	3.869	3.769	3.772
89.5	4.827	2.598	2.431	2.400	2.221
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-L33-950-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
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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-L33-950-CA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1159.11	N.A.	15.00
0-30	2395.86	N.A.	31.00
0-40	3807.85	N.A.	49.30
0-60	6377.27	N.A.	82.60
0-80	7650.29	N.A.	99.10
0-90	7720.38	N.A.	100.00
10-90	7414.77	N.A.	96.00
20-40	2648.74	N.A.	34.30
20-50	4033.38	N.A.	52.20
40-70	3417.63	N.A.	44.30
60-80	1273.02	N.A.	16.50
70-80	424.81	N.A.	5.50
80-90	70.10	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	7720.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	305.61
10-20	853.49
20-30	1236.76
30-40	1411.99
40-50	1384.64
50-60	1184.78
60-70	848.21
70-80	424.81
80-90	70.10
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-L33-950-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-L33-950-CA-DIM-UNV_.IES

UGR TABLE - CORRECTED

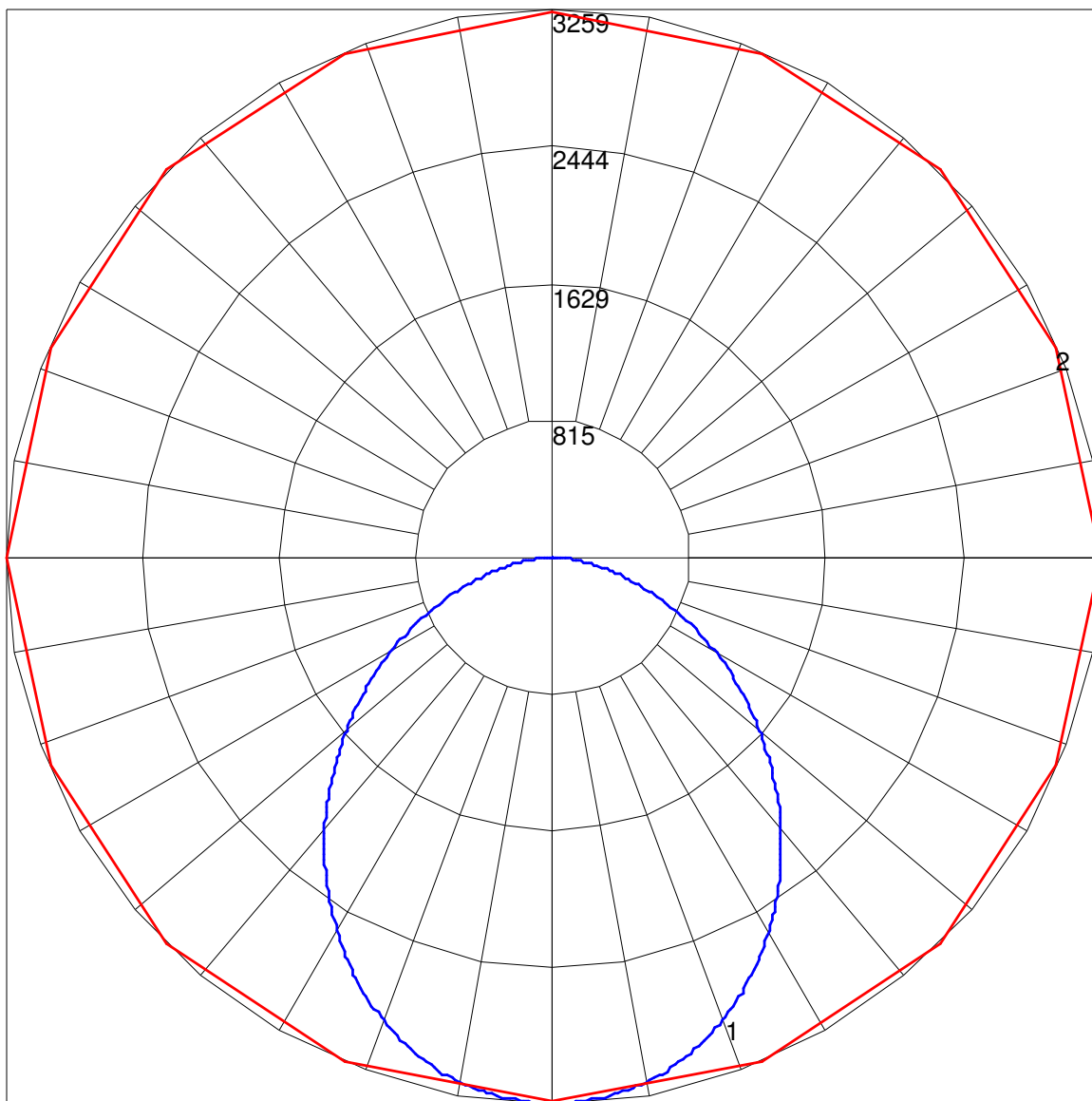
Reflectances

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	19.3	20.9	19.7	21.2	21.5	19.1	20.7	19.5	21.0	21.3
	3H	20.9	22.4	21.3	22.7	23.0	20.7	22.1	21.1	22.4	22.8
	4H	21.5	22.8	21.9	23.1	23.5	21.2	22.5	21.6	22.8	23.2
	6H	21.8	23.0	22.2	23.4	23.8	21.4	22.6	21.8	23.0	23.4
	8H	21.9	23.0	22.3	23.4	23.8	21.4	22.6	21.8	23.0	23.4
	12H	21.9	23.0	22.3	23.4	23.8	21.4	22.5	21.8	22.9	23.3
4H	2H	19.9	21.2	20.3	21.6	21.9	19.7	21.0	20.1	21.4	21.8
	3H	21.7	22.8	22.1	23.2	23.6	21.5	22.6	21.9	23.0	23.4
	4H	22.3	23.3	22.8	23.8	24.2	22.1	23.1	22.5	23.5	23.9
	6H	22.8	23.7	23.2	24.1	24.6	22.4	23.2	22.8	23.7	24.1
	8H	22.9	23.7	23.4	24.1	24.6	22.4	23.2	22.8	23.6	24.1
	12H	23.0	23.7	23.4	24.2	24.6	22.4	23.1	22.9	23.6	24.0
8H	4H	22.6	23.4	23.0	23.8	24.3	22.3	23.1	22.8	23.5	24.0
	6H	23.1	23.7	23.6	24.2	24.7	22.6	23.3	23.1	23.8	24.3
	8H	23.2	23.8	23.7	24.3	24.8	22.7	23.3	23.2	23.8	24.3
	12H	23.3	23.8	23.8	24.3	24.9	22.7	23.2	23.2	23.7	24.3
12H	4H	22.5	23.3	23.0	23.8	24.2	22.3	23.0	22.8	23.5	24.0
	6H	23.1	23.7	23.6	24.1	24.7	22.7	23.3	23.2	23.7	24.3
	8H	23.2	23.8	23.8	24.3	24.8	22.7	23.3	23.2	23.8	24.3

Maximum UGR = 24.9

POLAR GRAPH



Maximum Candela = 3258.623 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.)