



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AERNG-L52-835-CA-DIM-UNV (AMBIENT ONLY).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #4792155668.03
[TESTLAB] UL, LLC
[ISSUE DATE] 7/6/2026
[TEST DATE] 3/17/2026
[MANUFAC] H E Williams Inc
[LUMCAT] CMR4AERNG-L52/835-CA-DIM-UNV (AMBIENT ONLY)
[LUMINAIRE] 2' x 4' multi-function recessed troffer with door frame; door
[MORE] frame has arrangement of curved diffused acrylic lenses
[LAMP] (2) 72 LED boards & (2) 60 LED boards - 264 Total LED
[BALLAST] Edoled OTI85/1290277/2A3 DIM-1 L*2743W5/57420
[OTHER] 24.9 C, 120.046 V, 0.507001 A, 60.5322 W, 0.994561 PF, 59.9996 Hz
[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	5316
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	39.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.75 ft
Luminous Width (90-270)	1.75 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR4AERNG-L52-835-CA-DIM-UNV (AMBIENT ONLY)_.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2532	2929	3331
55	2346	2949	3474
65	2044	2880	3354
75	1483	2337	2555
85	580	594	433

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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	1772.399	1772.399	1772.399	1772.399	1772.399
0.5	1771.736	1771.072	1773.063	1776.382	1763.770
1.0	1778.374	1768.417	1774.391	1772.399	1771.736
1.5	1773.063	1765.761	1773.063	1771.072	1765.761
2.0	1771.736	1763.770	1767.089	1778.374	1771.072
2.5	1772.399	1762.442	1767.089	1775.719	1761.778
3.0	1770.408	1765.761	1769.744	1771.736	1767.089
3.5	1772.399	1766.425	1763.106	1771.736	1769.744
4.0	1763.770	1760.451	1769.080	1769.744	1767.089
4.5	1765.097	1761.115	1761.778	1768.417	1759.787
5.0	1765.761	1762.442	1763.770	1763.106	1767.089
5.5	1766.425	1758.459	1762.442	1772.399	1766.425
6.0	1761.778	1759.123	1758.459	1766.425	1764.434
6.5	1755.140	1754.476	1761.778	1767.753	1763.770
7.0	1758.459	1753.813	1759.123	1767.753	1754.476
7.5	1753.149	1749.830	1753.813	1762.442	1757.132
8.0	1751.821	1745.847	1755.804	1761.778	1756.468
8.5	1741.864	1744.519	1751.821	1755.804	1755.140
9.0	1745.183	1743.191	1751.821	1756.468	1755.804
9.5	1745.183	1739.872	1745.183	1759.123	1752.485
10.0	1737.217	1737.881	1742.528	1751.157	1756.468
10.5	1727.924	1734.562	1743.191	1749.166	1747.838
11.0	1714.647	1725.932	1735.226	1747.838	1753.813
11.5	1723.941	1724.604	1731.243	1747.174	1745.183
12.0	1721.285	1719.958	1729.915	1746.510	1742.528
12.5	1719.294	1714.647	1729.915	1741.864	1737.881
13.0	1704.026	1710.664	1722.613	1741.864	1742.528
13.5	1702.035	1706.681	1722.613	1733.898	1747.838
14.0	1698.052	1706.017	1719.958	1729.915	1743.191
14.5	1696.724	1699.379	1711.328	1731.906	1732.570
15.0	1686.767	1690.750	1708.673	1727.260	1733.234
15.5	1687.431	1682.120	1703.362	1723.941	1720.622
16.0	1675.482	1677.473	1702.698	1722.613	1735.226
16.5	1674.818	1672.826	1696.724	1720.622	1724.604
17.0	1667.516	1667.516	1692.741	1713.319	1726.596
17.5	1659.550	1660.878	1686.767	1710.000	1720.622
18.0	1646.274	1653.576	1682.784	1710.000	1715.311
18.5	1647.601	1653.576	1679.465	1704.026	1704.690
19.0	1636.980	1638.308	1668.844	1702.698	1706.017
19.5	1632.333	1636.316	1667.516	1698.715	1702.035
20.0	1619.057	1631.006	1658.886	1696.060	1694.733
20.5	1621.049	1621.712	1657.559	1692.077	1694.733
21.0	1595.823	1614.410	1648.265	1692.077	1694.733
21.5	1596.487	1609.764	1644.282	1682.784	1688.758
22.0	1594.496	1601.134	1636.316	1678.137	1690.086
22.5	1585.202	1593.168	1631.006	1674.818	1678.137
23.0	1571.926	1587.194	1631.670	1673.490	1684.111
23.5	1569.271	1579.892	1620.385	1667.516	1681.456
24.0	1559.977	1570.598	1617.066	1660.214	1676.146
24.5	1545.373	1563.296	1609.764	1656.895	1666.852
25.0	1538.735	1554.667	1603.125	1648.265	1663.533
25.5	1531.433	1546.701	1595.823	1647.601	1658.886
26.0	1521.476	1538.071	1588.521	1643.618	1658.886
26.5	1510.854	1529.441	1579.892	1635.653	1650.920

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR4AERNG-L52-835-CA-DIM-UNV (AMBIENT ONLY).IES****CANDELA TABULATION - (Cont.)**

27.0	1504.880	1522.139	1579.892	1630.342	1646.274
27.5	1493.595	1511.518	1567.279	1627.687	1650.257
28.0	1480.319	1501.561	1554.667	1623.040	1634.989
28.5	1475.008	1493.595	1554.003	1617.066	1632.333
29.0	1464.387	1486.293	1542.718	1613.746	1634.989
29.5	1455.757	1476.336	1538.071	1602.462	1623.040
30.0	1445.136	1465.051	1531.433	1602.462	1625.695
30.5	1433.187	1459.076	1526.122	1595.160	1622.376
31.0	1426.549	1447.128	1518.156	1589.849	1610.427
31.5	1413.273	1438.498	1506.871	1584.538	1610.427
32.0	1405.971	1429.205	1498.906	1578.564	1607.108
32.5	1391.367	1419.247	1490.940	1575.245	1602.462
33.0	1384.729	1408.626	1486.957	1567.279	1593.832
33.5	1372.116	1398.005	1474.344	1556.658	1586.530
34.0	1360.167	1387.384	1469.034	1558.649	1583.211
34.5	1349.546	1377.427	1459.740	1547.364	1578.564
35.0	1337.597	1366.805	1452.438	1544.045	1576.573
35.5	1327.640	1354.193	1443.809	1534.752	1565.951
36.0	1315.691	1345.563	1435.843	1528.778	1564.624
36.5	1303.743	1334.942	1427.213	1522.803	1554.003
37.0	1292.458	1324.985	1417.256	1513.510	1548.028
37.5	1279.181	1313.036	1408.626	1510.191	1550.020
38.0	1264.577	1303.079	1401.324	1499.569	1538.071
38.5	1257.275	1291.130	1391.367	1496.250	1533.424
39.0	1243.335	1281.173	1381.409	1486.293	1526.786
39.5	1230.059	1267.232	1372.780	1481.646	1520.812
40.0	1218.774	1257.939	1363.486	1473.680	1514.173
40.5	1206.161	1245.326	1352.865	1463.723	1508.863
41.0	1194.876	1235.369	1344.236	1456.421	1496.250
41.5	1181.600	1224.084	1334.942	1449.119	1487.621
42.0	1167.659	1212.135	1324.321	1437.834	1480.319
42.5	1155.711	1199.523	1313.700	1429.868	1471.689
43.0	1142.434	1188.902	1305.070	1422.566	1469.034
43.5	1130.486	1175.625	1293.121	1413.273	1461.732
44.0	1117.873	1164.340	1283.828	1403.316	1451.774
44.5	1105.260	1152.392	1274.534	1396.677	1446.464
45.0	1092.648	1140.443	1263.913	1386.720	1437.170
45.5	1079.371	1127.166	1253.956	1380.082	1425.222
46.0	1064.767	1115.881	1242.671	1370.125	1418.583
46.5	1051.491	1102.605	1232.714	1358.840	1409.290
47.0	1041.534	1089.992	1222.093	1349.546	1399.333
47.5	1025.602	1076.716	1210.808	1340.253	1391.367
48.0	1014.317	1064.767	1198.859	1329.632	1379.418
48.5	1001.041	1052.819	1187.574	1317.683	1368.133
49.0	987.764	1040.206	1178.281	1310.381	1358.176
49.5	971.169	1026.930	1166.332	1297.104	1350.874
50.0	959.884	1015.645	1155.711	1287.147	1338.925
50.5	945.280	1001.704	1143.098	1277.190	1327.640
51.0	931.339	988.428	1131.149	1263.913	1315.027
51.5	916.735	975.815	1119.201	1250.637	1303.743
52.0	904.123	961.875	1106.588	1242.671	1291.794
52.5	890.846	948.599	1094.639	1230.722	1279.845
53.0	874.915	935.322	1082.690	1214.791	1267.232
53.5	861.638	922.710	1070.742	1204.833	1257.275
54.0	847.698	909.433	1058.129	1190.893	1242.007
54.5	832.430	896.157	1044.189	1178.281	1229.395

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55.0	821.145	881.553	1032.240	1163.013	1216.118
55.5	807.205	868.277	1018.300	1150.400	1202.178
56.0	793.265	855.000	1005.687	1137.788	1188.902
56.5	778.661	842.388	991.747	1123.183	1175.625
57.0	764.057	829.111	978.471	1109.243	1159.694
57.5	750.117	815.835	965.194	1093.975	1143.098
58.0	735.513	802.558	950.590	1079.371	1125.839
58.5	720.245	788.618	937.314	1065.431	1109.907
59.0	706.305	774.678	924.037	1049.499	1093.975
59.5	691.700	760.074	910.097	1034.232	1078.044
60.0	677.096	746.134	894.829	1018.300	1060.121
60.5	662.492	731.530	880.225	1001.041	1042.861
61.0	647.556	716.926	865.621	983.117	1024.938
61.5	632.753	702.985	849.690	966.522	1007.015
62.0	617.884	688.381	835.749	949.263	986.437
62.5	602.815	673.114	821.809	930.676	965.858
63.0	588.078	659.041	807.205	913.416	946.607
63.5	572.810	644.105	791.937	894.166	928.020
64.0	557.542	629.301	775.342	874.915	906.778
64.5	542.142	614.299	759.410	855.664	886.200
65.0	527.139	599.363	742.815	835.749	864.957
65.5	511.805	584.626	726.883	818.490	842.388
66.0	496.471	569.624	709.624	798.575	823.801
66.5	481.004	554.821	693.028	777.333	801.895
67.0	465.670	539.619	675.769	756.755	779.325
67.5	450.800	524.617	657.846	734.185	757.419
68.0	435.400	509.482	639.458	712.943	734.849
68.5	419.999	494.280	621.535	691.700	711.615
69.0	404.864	479.278	602.881	669.131	687.718
69.5	389.928	464.010	584.892	647.424	663.289
70.0	375.324	449.074	566.106	624.588	640.055
70.5	360.653	433.806	546.921	601.421	616.556
71.0	345.717	418.671	527.737	578.851	593.322
71.5	331.512	403.536	507.955	556.746	569.823
72.0	316.841	388.401	488.572	534.309	546.058
72.5	302.636	373.399	468.657	511.540	522.360
73.0	288.828	358.596	448.875	488.704	498.330
73.5	274.888	343.527	428.961	465.537	474.565
74.0	261.147	328.591	409.112	442.303	451.132
74.5	247.804	313.854	388.932	419.866	427.500
75.0	234.196	298.985	369.084	397.562	403.603
75.5	220.853	284.314	349.236	375.125	379.639
76.0	207.709	269.710	329.719	352.422	355.144
76.5	194.765	255.172	310.137	329.587	330.582
77.0	182.418	240.768	290.820	306.618	306.552
77.5	170.004	226.628	271.635	284.115	283.119
78.0	158.056	212.290	252.783	261.811	259.222
78.5	146.173	198.018	233.997	239.705	235.191
79.0	134.556	183.945	215.542	217.534	210.298
79.5	123.471	170.071	197.486	195.097	186.202
80.0	112.849	156.396	179.762	172.792	162.835
80.5	102.494	142.987	162.171	150.953	140.464
81.0	92.603	129.777	144.978	130.042	118.957
81.5	83.044	116.899	128.117	110.128	98.976
82.0	74.082	104.485	111.721	91.408	80.455
82.5	65.585	92.669	95.723	74.348	64.922

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83.0	57.620	81.185	80.389	59.677	51.911
83.5	50.185	70.431	65.917	47.596	41.887
84.0	43.281	60.341	52.707	38.103	34.120
84.5	36.776	50.782	41.090	30.801	27.880
85.0	30.868	41.953	31.598	24.827	23.035
85.5	25.491	33.722	24.097	20.180	19.118
86.0	20.645	26.354	18.388	16.463	15.932
86.5	16.463	19.782	14.139	13.542	13.343
87.0	12.745	14.339	10.953	11.152	11.019
87.5	9.559	10.024	8.696	9.028	9.094
88.0	7.036	6.970	6.771	7.236	7.302
88.5	4.979	4.846	5.244	5.642	5.775
89.0	3.452	3.385	3.917	4.248	4.381
89.5	2.323	2.390	2.854	3.054	2.987
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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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 : CMR4AERNG-L52-835-CA-DIM-UNV (AMBIENT ONLY)_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 : CMR4AERNG-L52-835-CA-DIM-UNV (AMBIENT ONLY)_.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 : CMR4AERNG-L52-835-CA-DIM-UNV (AMBIENT ONLY)_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	650.48	N.A.	12.20
0-30	1389.61	N.A.	26.10
0-40	2299.95	N.A.	43.30
0-60	4188.93	N.A.	78.80
0-80	5262.69	N.A.	99.00
0-90	5316.33	N.A.	100.00
10-90	5148.52	N.A.	96.80
20-40	1649.46	N.A.	31.00
20-50	2624.21	N.A.	49.40
40-70	2597.06	N.A.	48.90
60-80	1073.76	N.A.	20.20
70-80	365.68	N.A.	6.90
80-90	53.64	N.A.	1.00
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	5316.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	167.81
10-20	482.68
20-30	739.12
30-40	910.34
40-50	974.75
50-60	914.23
60-70	708.08
70-80	365.68
80-90	53.64
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 : CMR4AERNG-L52-835-CA-DIM-UNV (AMBIENT ONLY).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	189	189	189	189	185	185	185	185	176	176	176	169	169	169	162	162	162	159
1	173	165	159	153	168	162	156	150	155	150	145	149	145	141	143	140	137	133
2	157	144	133	124	153	141	131	122	135	127	119	130	123	117	125	119	114	111
3	143	126	113	102	139	123	111	101	118	108	99	114	105	98	110	102	96	93
4	130	111	97	86	127	109	96	86	105	93	84	101	91	83	98	89	82	79
5	120	99	84	74	116	97	84	73	94	82	73	91	80	72	88	78	71	68
6	110	89	74	64	107	87	74	64	84	72	63	82	71	63	79	70	62	59
7	102	80	66	56	99	79	66	56	77	65	56	74	63	55	72	62	55	52
8	95	73	60	50	92	72	59	50	70	58	50	68	57	49	66	56	49	46
9	89	67	54	45	86	66	53	45	64	53	45	63	52	44	61	51	44	41
10	83	62	49	41	81	61	49	41	59	48	40	58	47	40	56	47	40	37

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AERNG-L52-835-CA-DIM-UNV (AMBIENT ONLY)_.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

X=2H	Y=2H	13.4	15.0	13.7	15.3	15.6	15.6	17.2	15.9	17.5	17.8
	3H	14.9	16.4	15.3	16.7	17.1	17.4	18.9	17.8	19.3	19.6
	4H	15.4	16.8	15.8	17.2	17.5	18.0	19.4	18.4	19.8	20.1
	6H	15.7	17.0	16.1	17.3	17.7	18.3	19.6	18.7	20.0	20.3
	8H	15.7	17.0	16.1	17.3	17.7	18.3	19.5	18.7	19.9	20.3
	12H	15.7	16.9	16.1	17.3	17.7	18.3	19.5	18.7	19.9	20.3

UGR Viewed Endwise

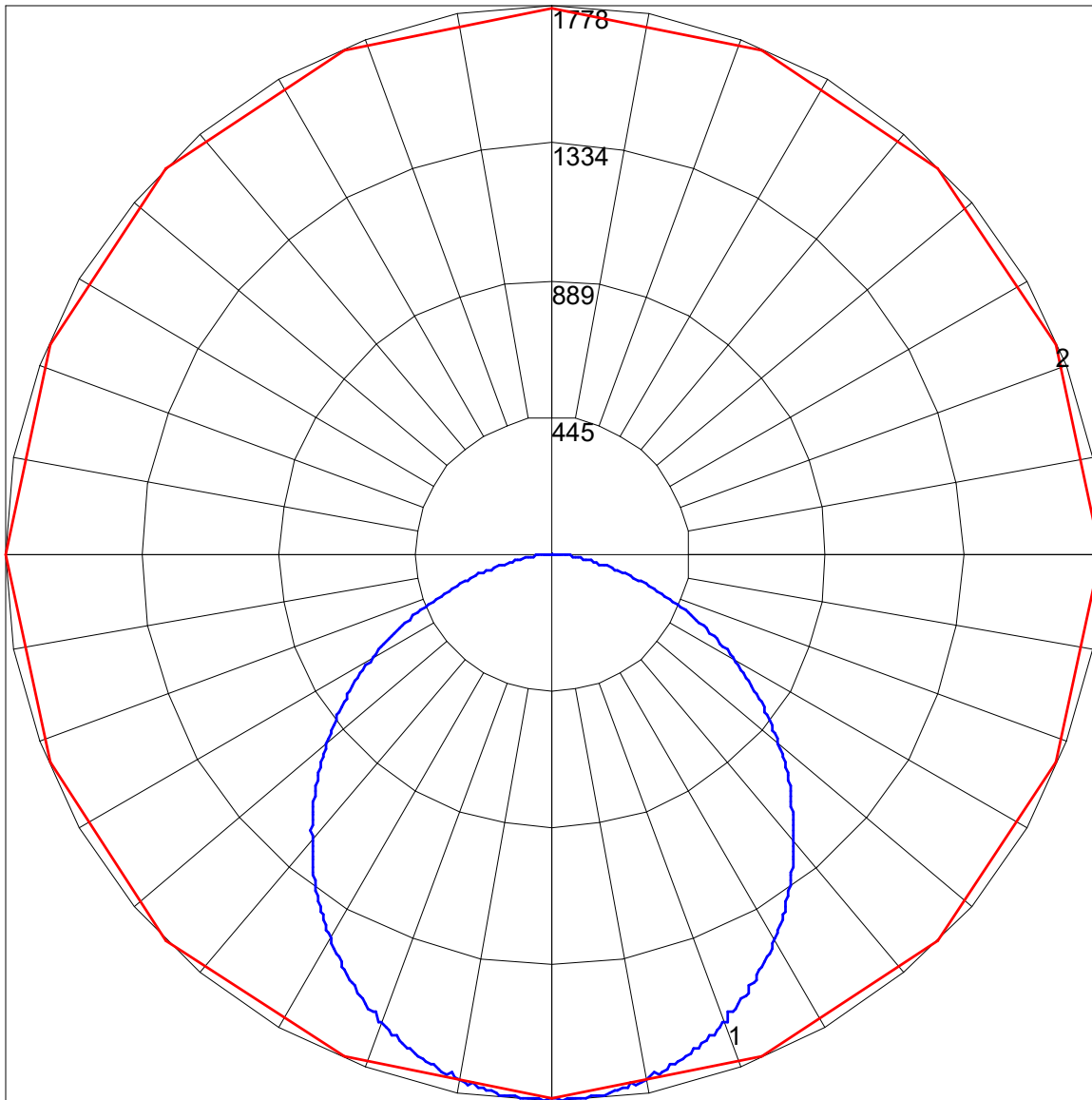
4H	2H	14.4	15.8	14.8	16.1	16.5	16.1	17.5	16.5	17.8	18.2
	3H	16.1	17.3	16.5	17.7	18.1	18.2	19.3	18.6	19.7	20.1
	4H	16.7	17.8	17.1	18.2	18.6	18.8	19.9	19.3	20.3	20.8
	6H	17.1	18.0	17.5	18.4	18.9	19.2	20.2	19.7	20.6	21.0
	8H	17.1	18.0	17.6	18.5	18.9	19.2	20.1	19.7	20.6	21.0
	12H	17.2	17.9	17.6	18.4	18.9	19.2	20.0	19.7	20.5	21.0

8H	4H	17.2	18.0	17.6	18.5	18.9	19.0	19.9	19.5	20.4	20.8
	6H	17.6	18.3	18.1	18.8	19.3	19.5	20.2	20.0	20.7	21.2
	8H	17.7	18.4	18.2	18.9	19.3	19.5	20.2	20.0	20.7	21.1
	12H	17.8	18.3	18.3	18.8	19.4	19.5	20.1	20.0	20.6	21.1

12H	4H	17.2	18.0	17.7	18.4	18.9	19.0	19.8	19.5	20.3	20.8
	6H	17.7	18.3	18.2	18.8	19.3	19.5	20.1	20.0	20.6	21.1
	8H	17.8	18.4	18.3	18.8	19.4	19.5	20.1	20.1	20.6	21.2

Maximum UGR = 21.2

POLAR GRAPH



Maximum Candela = 1778.374 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.)