

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P584539

Luminaire Tested: **HCC8S40D010MB-HM82555830-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S40D010MB-HM82555830-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

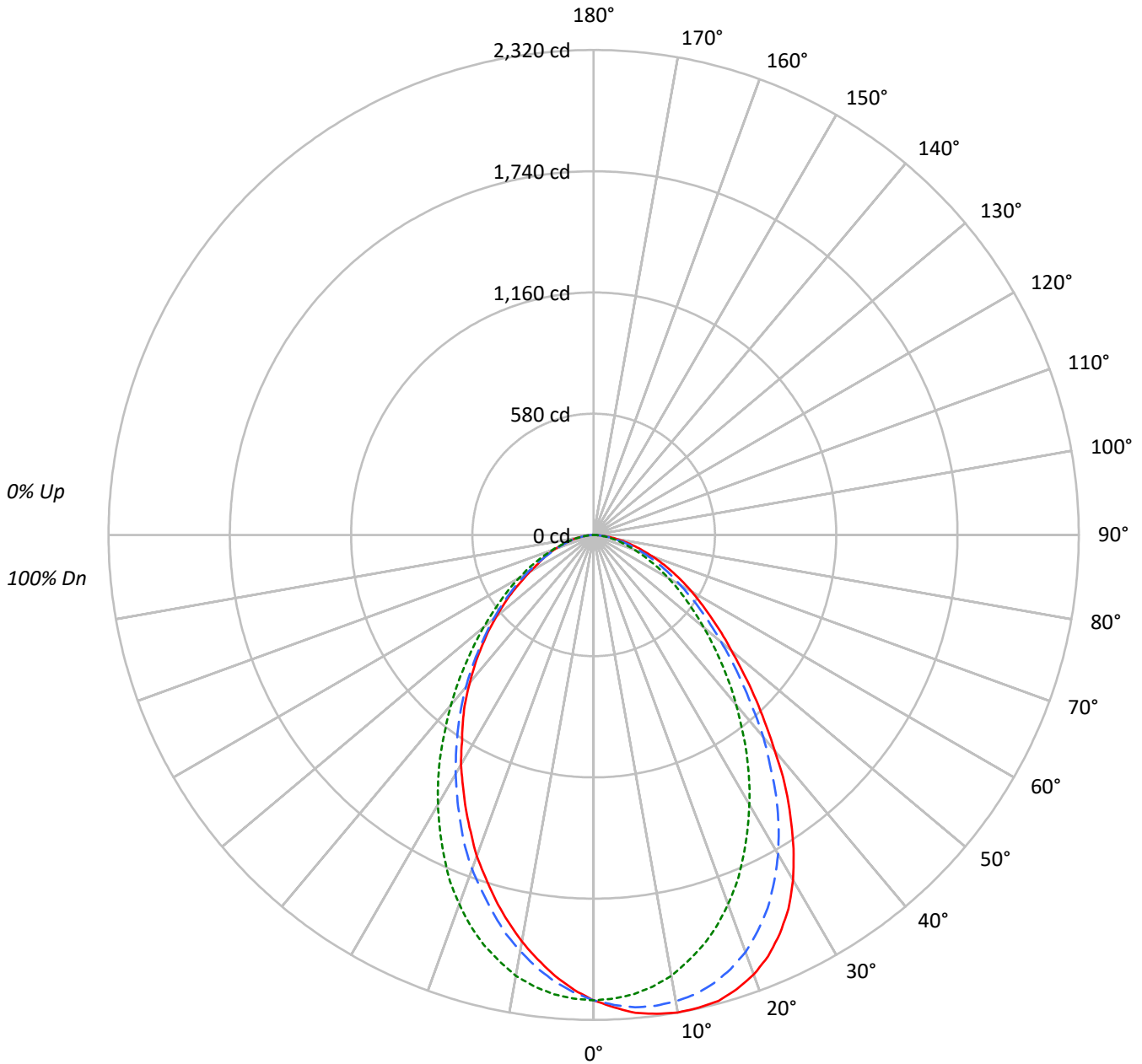
Lumens per Lamp: N/A
Luminaire Lumens: 4108.6 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 41
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P584539
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Luminous Intensity Polar Plot





TEST NUMBER: P584539

CATALOG NUMBER: HCC8S40D010MB-HM82555830-81WWW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|--|--|--|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 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 | 50 | 30 | 10 | 0 | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | | | | |
| 1 | 110 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 | | | | | | | | |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 83 | 80 | 78 | 76 | | | | | | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | | | | |
| 4 | 87 | 76 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 68 | 64 | 60 | 58 | | | | | | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 60 | 54 | 64 | 59 | 54 | 63 | 57 | 53 | 51 | | | | | | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 48 | 57 | 52 | 48 | 46 | | | | | | | | |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 41 | | | | | | | | |
| 8 | 66 | 53 | 46 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 39 | 38 | | | | | | | | |
| 9 | 62 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 45 | 38 | 34 | 44 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 68651 | 68651 | 68651 |
| 5° | 71058 | 68257 | 65545 |
| 10° | 72641 | 67058 | 61857 |
| 15° | 73674 | 64803 | 57763 |
| 20° | 73451 | 61657 | 53624 |
| 25° | 71631 | 57657 | 49229 |
| 30° | 67866 | 53026 | 45174 |
| 35° | 61744 | 47985 | 41047 |
| 40° | 54230 | 42681 | 37086 |
| 45° | 47290 | 37539 | 33060 |
| 50° | 41156 | 32895 | 29124 |
| 55° | 36703 | 28902 | 25332 |
| 60° | 33346 | 25335 | 21604 |
| 65° | 29974 | 22035 | 19613 |
| 70° | 26696 | 18789 | 17707 |
| 75° | 23400 | 15834 | 15119 |
| 80° | 19836 | 12874 | 13425 |
| 85° | 14931 | 9588 | 10685 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 208.5 | 5.1 |
| 10°-20° | 574.5 | 14.0 |
| 20°-30° | 797.5 | 19.4 |
| 30°-40° | 824.5 | 20.1 |
| 40°-50° | 690.4 | 16.8 |
| 50°-60° | 501.2 | 12.2 |
| 60°-70° | 316.3 | 7.7 |
| 70°-80° | 156.7 | 3.8 |
| 80°-90° | 38.9 | 0.9 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1580.6 | 38.5 |
| 0°-40° | 2405.1 | 58.5 |
| 0°-60° | 3596.7 | 87.5 |
| 0°-90° | 4108.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4108.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2226 | 2226 | 2226 | 2226 | 2226 | |
| 5° | 2296 | 2268 | 2205 | 2145 | 2118 | 220 |
| 15° | 2308 | 2220 | 2030 | 1867 | 1809 | 649 |
| 25° | 2105 | 1969 | 1695 | 1510 | 1447 | 965 |
| 35° | 1640 | 1519 | 1275 | 1130 | 1090 | 1021 |
| 45° | 1084 | 1006 | 861 | 776 | 758 | 839 |
| 55° | 683 | 622 | 538 | 492 | 471 | 616 |
| 65° | 411 | 360 | 302 | 266 | 269 | 410 |
| 75° | 196 | 163 | 133 | 127 | 127 | 211 |
| 85° | 42 | 33 | 27 | 30 | 30 | 51 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 |
| 2.5° | 2262.4 | 2262.4 | 2265.5 | 2262.4 | 2262.4 | 2262.4 | 2259.5 | 2259.5 | 2256.4 | 2256.4 | 2250.4 |
| 5° | 2295.6 | 2289.7 | 2295.6 | 2289.7 | 2289.7 | 2289.7 | 2286.6 | 2280.6 | 2277.5 | 2271.5 | 2268.5 |
| 7.5° | 2310.7 | 2307.8 | 2307.8 | 2304.8 | 2304.8 | 2301.7 | 2298.7 | 2295.6 | 2283.6 | 2280.6 | 2271.5 |
| 10° | 2319.9 | 2316.8 | 2316.8 | 2313.8 | 2307.8 | 2307.8 | 2301.7 | 2298.7 | 2283.6 | 2277.5 | 2265.5 |
| 12.5° | 2316.8 | 2316.8 | 2316.8 | 2313.8 | 2304.8 | 2301.7 | 2295.6 | 2286.6 | 2274.6 | 2262.4 | 2250.4 |
| 15° | 2307.8 | 2307.8 | 2301.7 | 2298.7 | 2289.7 | 2283.6 | 2280.6 | 2265.5 | 2253.4 | 2238.3 | 2220.2 |
| 17.5° | 2277.5 | 2277.5 | 2274.6 | 2268.5 | 2259.5 | 2253.4 | 2247.3 | 2232.2 | 2220.2 | 2196.0 | 2177.9 |
| 20° | 2238.3 | 2235.3 | 2232.2 | 2223.2 | 2214.1 | 2211.1 | 2202.1 | 2180.9 | 2165.8 | 2147.7 | 2123.6 |
| 22.5° | 2180.9 | 2177.9 | 2174.8 | 2168.8 | 2153.7 | 2147.7 | 2141.6 | 2126.5 | 2099.4 | 2081.2 | 2051.0 |
| 25° | 2105.3 | 2105.3 | 2099.4 | 2090.2 | 2075.1 | 2069.2 | 2060.1 | 2045.0 | 2020.9 | 1993.6 | 1969.4 |
| 27.5° | 2017.8 | 2014.8 | 2005.7 | 1999.7 | 1987.5 | 1978.5 | 1963.4 | 1945.3 | 1921.1 | 1900.0 | 1869.7 |
| 30° | 1906.0 | 1906.0 | 1900.0 | 1890.9 | 1875.8 | 1869.7 | 1857.7 | 1836.5 | 1812.4 | 1785.2 | 1764.1 |
| 32.5° | 1779.2 | 1779.2 | 1770.1 | 1764.1 | 1755.0 | 1739.9 | 1736.9 | 1712.6 | 1691.6 | 1670.4 | 1646.2 |
| 35° | 1640.2 | 1643.3 | 1637.2 | 1625.1 | 1610.0 | 1610.0 | 1604.0 | 1582.8 | 1558.7 | 1537.5 | 1519.4 |
| 37.5° | 1501.3 | 1492.1 | 1489.2 | 1483.1 | 1474.1 | 1462.0 | 1456.0 | 1446.9 | 1425.7 | 1410.6 | 1383.5 |
| 40° | 1347.2 | 1350.2 | 1344.2 | 1338.2 | 1335.2 | 1326.0 | 1323.0 | 1307.9 | 1292.8 | 1274.7 | 1262.6 |
| 42.5° | 1208.2 | 1208.2 | 1208.2 | 1202.3 | 1196.2 | 1187.1 | 1184.0 | 1175.0 | 1156.9 | 1144.8 | 1126.7 |
| 45° | 1084.4 | 1075.4 | 1075.4 | 1072.3 | 1069.3 | 1063.3 | 1054.2 | 1048.2 | 1036.1 | 1027.0 | 1005.9 |
| 47.5° | 963.5 | 966.6 | 963.5 | 960.6 | 951.5 | 948.4 | 945.5 | 933.4 | 921.3 | 912.3 | 897.1 |
| 50° | 857.9 | 863.9 | 857.9 | 857.9 | 851.8 | 848.8 | 842.8 | 833.7 | 824.7 | 809.6 | 794.4 |
| 52.5° | 770.3 | 770.3 | 767.2 | 764.2 | 755.2 | 749.1 | 746.1 | 743.0 | 727.9 | 715.9 | 703.8 |
| 55° | 682.7 | 685.7 | 685.7 | 676.6 | 673.7 | 667.6 | 664.5 | 655.5 | 649.4 | 631.3 | 622.3 |
| 57.5° | 607.1 | 604.2 | 607.1 | 601.1 | 595.1 | 589.0 | 586.0 | 580.0 | 570.8 | 558.8 | 546.7 |
| 60° | 540.7 | 534.7 | 534.7 | 531.7 | 525.6 | 522.5 | 516.6 | 507.4 | 498.4 | 486.4 | 477.3 |
| 62.5° | 474.2 | 471.2 | 468.1 | 465.2 | 459.1 | 456.1 | 453.2 | 444.0 | 434.9 | 425.9 | 416.9 |
| 65° | 410.8 | 410.8 | 407.8 | 401.7 | 398.8 | 395.7 | 392.7 | 386.6 | 374.6 | 368.5 | 359.5 |
| 67.5° | 353.4 | 350.3 | 350.3 | 344.4 | 338.3 | 335.3 | 335.3 | 329.3 | 320.2 | 311.2 | 305.1 |
| 70° | 296.1 | 299.0 | 296.1 | 293.0 | 286.9 | 286.9 | 281.0 | 277.9 | 265.8 | 262.8 | 253.7 |
| 72.5° | 244.7 | 244.7 | 241.7 | 241.7 | 235.6 | 232.6 | 232.6 | 226.6 | 220.5 | 214.4 | 208.4 |
| 75° | 196.4 | 196.4 | 196.4 | 193.4 | 190.3 | 184.2 | 184.2 | 181.2 | 175.2 | 169.1 | 163.1 |
| 77.5° | 154.1 | 151.0 | 151.0 | 148.0 | 144.9 | 142.0 | 142.0 | 139.0 | 132.9 | 129.8 | 123.9 |
| 80° | 111.7 | 108.8 | 108.8 | 108.8 | 102.7 | 105.7 | 102.7 | 99.7 | 96.6 | 93.7 | 90.7 |
| 82.5° | 72.5 | 75.6 | 75.6 | 72.5 | 69.5 | 69.5 | 69.5 | 66.4 | 66.4 | 63.4 | 60.5 |
| 85° | 42.2 | 42.2 | 42.2 | 42.2 | 39.3 | 39.3 | 39.3 | 36.3 | 36.3 | 36.3 | 33.2 |
| 87.5° | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 |
| 2.5° | 2250.4 | 2244.3 | 2241.4 | 2238.3 | 2238.3 | 2235.3 | 2232.2 | 2226.3 | 2226.3 | 2220.2 | 2217.2 |
| 5° | 2262.4 | 2253.4 | 2247.3 | 2241.4 | 2238.3 | 2232.2 | 2226.3 | 2217.2 | 2214.1 | 2205.1 | 2196.0 |
| 7.5° | 2265.5 | 2250.4 | 2244.3 | 2232.2 | 2226.3 | 2220.2 | 2208.0 | 2199.0 | 2187.0 | 2177.9 | 2165.8 |
| 10° | 2253.4 | 2241.4 | 2226.3 | 2211.1 | 2208.0 | 2199.0 | 2180.9 | 2168.8 | 2153.7 | 2141.6 | 2123.6 |
| 12.5° | 2235.3 | 2217.2 | 2202.1 | 2183.9 | 2174.8 | 2165.8 | 2147.7 | 2129.5 | 2108.4 | 2087.3 | 2069.2 |
| 15° | 2205.1 | 2183.9 | 2162.8 | 2141.6 | 2129.5 | 2120.5 | 2099.4 | 2078.2 | 2057.0 | 2029.9 | 2011.7 |
| 17.5° | 2159.7 | 2135.6 | 2114.4 | 2087.3 | 2075.1 | 2066.1 | 2038.9 | 2014.8 | 1987.5 | 1960.4 | 1942.3 |
| 20° | 2102.4 | 2072.1 | 2048.0 | 2017.8 | 2008.7 | 1993.6 | 1966.5 | 1939.2 | 1909.0 | 1878.9 | 1857.7 |
| 22.5° | 2026.8 | 1996.7 | 1969.4 | 1939.2 | 1924.1 | 1909.0 | 1881.9 | 1848.7 | 1818.4 | 1794.3 | 1773.1 |
| 25° | 1939.2 | 1912.1 | 1878.9 | 1851.6 | 1833.6 | 1815.3 | 1785.2 | 1758.0 | 1730.9 | 1694.6 | 1673.4 |
| 27.5° | 1842.6 | 1809.4 | 1785.2 | 1748.9 | 1730.9 | 1718.7 | 1685.5 | 1649.2 | 1625.1 | 1591.9 | 1567.7 |
| 30° | 1733.8 | 1703.6 | 1676.5 | 1640.2 | 1622.1 | 1610.0 | 1579.8 | 1546.5 | 1522.4 | 1489.2 | 1465.0 |
| 32.5° | 1619.1 | 1585.8 | 1552.6 | 1528.4 | 1507.3 | 1495.2 | 1462.0 | 1440.9 | 1410.6 | 1383.5 | 1356.2 |
| 35° | 1495.2 | 1462.0 | 1437.9 | 1404.6 | 1392.5 | 1380.4 | 1353.3 | 1326.0 | 1298.9 | 1274.7 | 1253.5 |
| 37.5° | 1362.3 | 1338.2 | 1310.9 | 1286.7 | 1277.7 | 1265.7 | 1232.4 | 1208.2 | 1187.1 | 1163.0 | 1144.8 |
| 40° | 1232.4 | 1211.3 | 1193.1 | 1168.9 | 1153.9 | 1144.8 | 1120.6 | 1099.6 | 1075.4 | 1060.3 | 1042.1 |
| 42.5° | 1114.7 | 1090.4 | 1072.3 | 1054.2 | 1039.1 | 1030.1 | 1008.9 | 993.8 | 975.7 | 960.6 | 939.4 |
| 45° | 990.8 | 978.7 | 957.6 | 942.5 | 933.4 | 921.3 | 906.2 | 888.1 | 873.0 | 860.8 | 845.7 |
| 47.5° | 882.0 | 869.9 | 854.9 | 836.7 | 830.6 | 821.6 | 806.5 | 794.4 | 782.3 | 770.3 | 755.2 |
| 50° | 782.3 | 767.2 | 755.2 | 743.0 | 737.1 | 727.9 | 712.9 | 706.9 | 697.8 | 685.7 | 676.6 |
| 52.5° | 691.7 | 679.6 | 667.6 | 652.5 | 649.4 | 643.4 | 634.4 | 622.3 | 613.2 | 607.1 | 601.1 |
| 55° | 610.1 | 598.1 | 589.0 | 576.9 | 573.9 | 567.9 | 555.8 | 549.8 | 543.7 | 537.6 | 531.7 |
| 57.5° | 537.6 | 525.6 | 513.5 | 507.4 | 501.5 | 495.4 | 492.4 | 483.3 | 477.3 | 474.2 | 468.1 |
| 60° | 471.2 | 459.1 | 450.1 | 441.0 | 438.0 | 434.9 | 428.9 | 422.9 | 416.9 | 410.8 | 407.8 |
| 62.5° | 407.8 | 395.7 | 389.6 | 383.7 | 377.6 | 377.6 | 371.5 | 365.4 | 359.5 | 356.4 | 350.3 |
| 65° | 350.3 | 344.4 | 335.3 | 326.2 | 323.2 | 323.2 | 314.2 | 311.2 | 308.1 | 302.0 | 296.1 |
| 67.5° | 296.1 | 290.0 | 281.0 | 277.9 | 274.9 | 271.9 | 268.8 | 262.8 | 256.8 | 253.7 | 247.6 |
| 70° | 247.6 | 241.7 | 235.6 | 232.6 | 229.6 | 226.6 | 220.5 | 217.5 | 211.5 | 208.4 | 205.4 |
| 72.5° | 199.3 | 196.4 | 190.3 | 187.3 | 184.2 | 181.2 | 178.3 | 175.2 | 169.1 | 166.1 | 163.1 |
| 75° | 160.1 | 157.1 | 151.0 | 148.0 | 144.9 | 144.9 | 142.0 | 135.9 | 132.9 | 132.9 | 129.8 |
| 77.5° | 120.8 | 117.8 | 114.8 | 111.7 | 108.8 | 108.8 | 105.7 | 102.7 | 99.7 | 99.7 | 96.6 |
| 80° | 87.6 | 84.6 | 81.5 | 81.5 | 81.5 | 78.5 | 75.6 | 75.6 | 72.5 | 72.5 | 69.5 |
| 82.5° | 57.4 | 57.4 | 54.4 | 54.4 | 54.4 | 51.4 | 51.4 | 48.3 | 48.3 | 48.3 | 48.3 |
| 85° | 33.2 | 33.2 | 33.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 27.1 | 30.2 |
| 87.5° | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 12.1 | 12.1 | 12.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 |
| 2.5° | 2214.1 | 2211.1 | 2205.1 | 2205.1 | 2199.0 | 2199.0 | 2196.0 | 2192.9 | 2190.0 | 2187.0 | 2183.9 |
| 5° | 2192.9 | 2180.9 | 2174.8 | 2171.9 | 2165.8 | 2162.8 | 2153.7 | 2147.7 | 2144.6 | 2138.7 | 2132.6 |
| 7.5° | 2153.7 | 2141.6 | 2129.5 | 2126.5 | 2123.6 | 2111.4 | 2102.4 | 2093.3 | 2087.3 | 2081.2 | 2075.1 |
| 10° | 2108.4 | 2096.3 | 2081.2 | 2075.1 | 2069.2 | 2054.1 | 2041.9 | 2032.9 | 2020.9 | 2008.7 | 2005.7 |
| 12.5° | 2054.1 | 2035.9 | 2017.8 | 2011.7 | 2002.7 | 1987.5 | 1975.5 | 1960.4 | 1951.4 | 1936.2 | 1933.2 |
| 15° | 1990.6 | 1969.4 | 1954.3 | 1939.2 | 1933.2 | 1918.2 | 1897.0 | 1884.8 | 1866.8 | 1860.7 | 1845.6 |
| 17.5° | 1915.1 | 1893.9 | 1872.8 | 1866.8 | 1857.7 | 1836.5 | 1815.3 | 1800.4 | 1782.1 | 1773.1 | 1764.1 |
| 20° | 1836.5 | 1809.4 | 1788.2 | 1782.1 | 1770.1 | 1751.9 | 1730.9 | 1715.7 | 1700.6 | 1682.5 | 1673.4 |
| 22.5° | 1746.0 | 1715.7 | 1697.7 | 1682.5 | 1679.4 | 1658.4 | 1634.1 | 1622.1 | 1610.0 | 1595.0 | 1582.8 |
| 25° | 1646.2 | 1619.1 | 1597.9 | 1585.8 | 1579.8 | 1561.6 | 1543.5 | 1528.4 | 1510.3 | 1501.3 | 1486.2 |
| 27.5° | 1543.5 | 1525.5 | 1498.2 | 1486.2 | 1477.1 | 1462.0 | 1440.9 | 1431.8 | 1413.6 | 1401.6 | 1392.5 |
| 30° | 1443.8 | 1416.7 | 1401.6 | 1386.5 | 1377.4 | 1362.3 | 1344.2 | 1335.2 | 1320.1 | 1307.9 | 1298.9 |
| 32.5° | 1335.2 | 1317.0 | 1295.9 | 1289.8 | 1277.7 | 1262.6 | 1250.6 | 1235.5 | 1223.3 | 1211.3 | 1208.2 |
| 35° | 1235.5 | 1211.3 | 1190.1 | 1184.0 | 1175.0 | 1159.9 | 1153.9 | 1144.8 | 1129.7 | 1126.7 | 1114.7 |
| 37.5° | 1126.7 | 1114.7 | 1090.4 | 1081.4 | 1078.4 | 1066.2 | 1054.2 | 1048.2 | 1039.1 | 1030.1 | 1027.0 |
| 40° | 1024.0 | 1008.9 | 996.9 | 987.7 | 981.8 | 972.6 | 960.6 | 957.6 | 951.5 | 939.4 | 936.4 |
| 42.5° | 927.4 | 912.3 | 900.1 | 897.1 | 888.1 | 879.1 | 873.0 | 863.9 | 860.8 | 857.9 | 851.8 |
| 45° | 833.7 | 824.7 | 812.5 | 809.6 | 806.5 | 794.4 | 788.4 | 782.3 | 776.4 | 773.3 | 767.2 |
| 47.5° | 749.1 | 740.1 | 731.0 | 727.9 | 722.0 | 718.9 | 709.8 | 706.9 | 697.8 | 694.7 | 691.7 |
| 50° | 667.6 | 661.5 | 655.5 | 652.5 | 646.4 | 643.4 | 637.4 | 631.3 | 625.2 | 622.3 | 619.3 |
| 52.5° | 595.1 | 589.0 | 583.0 | 580.0 | 576.9 | 570.8 | 564.9 | 558.8 | 555.8 | 552.8 | 549.8 |
| 55° | 525.6 | 519.6 | 516.6 | 513.5 | 510.5 | 507.4 | 498.4 | 495.4 | 492.4 | 489.3 | 483.3 |
| 57.5° | 462.2 | 456.1 | 450.1 | 450.1 | 447.1 | 444.0 | 438.0 | 432.0 | 432.0 | 425.9 | 419.8 |
| 60° | 404.7 | 398.8 | 392.7 | 389.6 | 386.6 | 380.6 | 377.6 | 374.6 | 371.5 | 368.5 | 362.5 |
| 62.5° | 344.4 | 341.3 | 335.3 | 335.3 | 329.3 | 326.2 | 323.2 | 320.2 | 317.1 | 311.2 | 308.1 |
| 65° | 293.0 | 290.0 | 283.9 | 281.0 | 281.0 | 277.9 | 271.9 | 268.8 | 265.8 | 265.8 | 262.8 |
| 67.5° | 244.7 | 241.7 | 235.6 | 232.6 | 232.6 | 229.6 | 226.6 | 226.6 | 223.5 | 220.5 | 223.5 |
| 70° | 202.4 | 196.4 | 196.4 | 193.4 | 193.4 | 190.3 | 187.3 | 187.3 | 187.3 | 190.3 | 190.3 |
| 72.5° | 160.1 | 157.1 | 154.1 | 154.1 | 154.1 | 154.1 | 151.0 | 151.0 | 154.1 | 157.1 | 157.1 |
| 75° | 126.9 | 123.9 | 123.9 | 123.9 | 120.8 | 120.8 | 123.9 | 123.9 | 126.9 | 126.9 | 126.9 |
| 77.5° | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 96.6 | 96.6 | 99.7 | 99.7 | 99.7 |
| 80° | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 75.6 |
| 82.5° | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 51.4 | 51.4 | 51.4 | 51.4 |
| 85° | 27.1 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| 87.5° | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P584539

CATALOG NUMBER: HCC8S40D010MB-HM82555830-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 | 2226.3 |
| 2.5° | 2180.9 | 2180.9 | 2180.9 | 2183.9 | 2177.9 | 2177.9 | 2177.9 | 2177.9 |
| 5° | 2129.5 | 2126.5 | 2123.6 | 2126.5 | 2120.5 | 2120.5 | 2117.5 | 2117.5 |
| 7.5° | 2066.1 | 2063.1 | 2060.1 | 2060.1 | 2054.1 | 2054.1 | 2051.0 | 2048.0 |
| 10° | 1996.7 | 1990.6 | 1993.6 | 1987.5 | 1984.6 | 1981.6 | 1978.5 | 1975.5 |
| 12.5° | 1921.1 | 1915.1 | 1912.1 | 1906.0 | 1900.0 | 1897.0 | 1900.0 | 1893.9 |
| 15° | 1839.6 | 1830.5 | 1827.5 | 1821.4 | 1815.3 | 1812.4 | 1812.4 | 1809.4 |
| 17.5° | 1748.9 | 1742.9 | 1739.9 | 1733.8 | 1730.9 | 1724.8 | 1721.8 | 1718.7 |
| 20° | 1664.3 | 1649.2 | 1652.3 | 1646.2 | 1643.3 | 1631.1 | 1631.1 | 1634.1 |
| 22.5° | 1570.7 | 1561.6 | 1555.7 | 1549.6 | 1546.5 | 1540.6 | 1540.6 | 1537.5 |
| 25° | 1477.1 | 1468.0 | 1465.0 | 1458.9 | 1456.0 | 1449.9 | 1446.9 | 1446.9 |
| 27.5° | 1386.5 | 1374.4 | 1374.4 | 1368.4 | 1362.3 | 1359.3 | 1356.2 | 1353.3 |
| 30° | 1289.8 | 1280.8 | 1277.7 | 1277.7 | 1274.7 | 1274.7 | 1265.7 | 1268.7 |
| 32.5° | 1199.2 | 1193.1 | 1190.1 | 1184.0 | 1184.0 | 1181.1 | 1181.1 | 1172.0 |
| 35° | 1108.6 | 1099.6 | 1102.5 | 1096.5 | 1093.5 | 1090.4 | 1093.5 | 1090.4 |
| 37.5° | 1021.0 | 1015.0 | 1015.0 | 1008.9 | 1008.9 | 1005.9 | 1002.8 | 1008.9 |
| 40° | 933.4 | 930.3 | 927.4 | 924.3 | 927.4 | 924.3 | 918.3 | 921.3 |
| 42.5° | 845.7 | 845.7 | 842.8 | 842.8 | 839.8 | 839.8 | 839.8 | 839.8 |
| 45° | 767.2 | 764.2 | 764.2 | 761.2 | 761.2 | 761.2 | 761.2 | 758.1 |
| 47.5° | 688.7 | 685.7 | 685.7 | 685.7 | 682.7 | 682.7 | 679.6 | 682.7 |
| 50° | 613.2 | 613.2 | 610.1 | 610.1 | 613.2 | 610.1 | 607.1 | 607.1 |
| 52.5° | 543.7 | 543.7 | 540.7 | 540.7 | 537.6 | 534.7 | 537.6 | 537.6 |
| 55° | 480.3 | 477.3 | 474.2 | 474.2 | 471.2 | 468.1 | 468.1 | 471.2 |
| 57.5° | 419.8 | 416.9 | 413.9 | 413.9 | 407.8 | 404.7 | 404.7 | 404.7 |
| 60° | 362.5 | 356.4 | 356.4 | 353.4 | 353.4 | 350.3 | 350.3 | 350.3 |
| 62.5° | 308.1 | 305.1 | 305.1 | 305.1 | 305.1 | 302.0 | 302.0 | 302.0 |
| 65° | 262.8 | 262.8 | 262.8 | 265.8 | 265.8 | 268.8 | 268.8 | 268.8 |
| 67.5° | 226.6 | 229.6 | 229.6 | 229.6 | 232.6 | 232.6 | 232.6 | 229.6 |
| 70° | 193.4 | 193.4 | 193.4 | 196.4 | 196.4 | 196.4 | 196.4 | 196.4 |
| 72.5° | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 |
| 75° | 126.9 | 129.8 | 129.8 | 129.8 | 126.9 | 129.8 | 129.8 | 126.9 |
| 77.5° | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 80° | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 82.5° | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| 85° | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| 87.5° | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)