

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: P593718

Luminaire Tested: **HCC8S35D010MB-HM82555950-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593718
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: HCC8S35D010MB-HM82555950-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

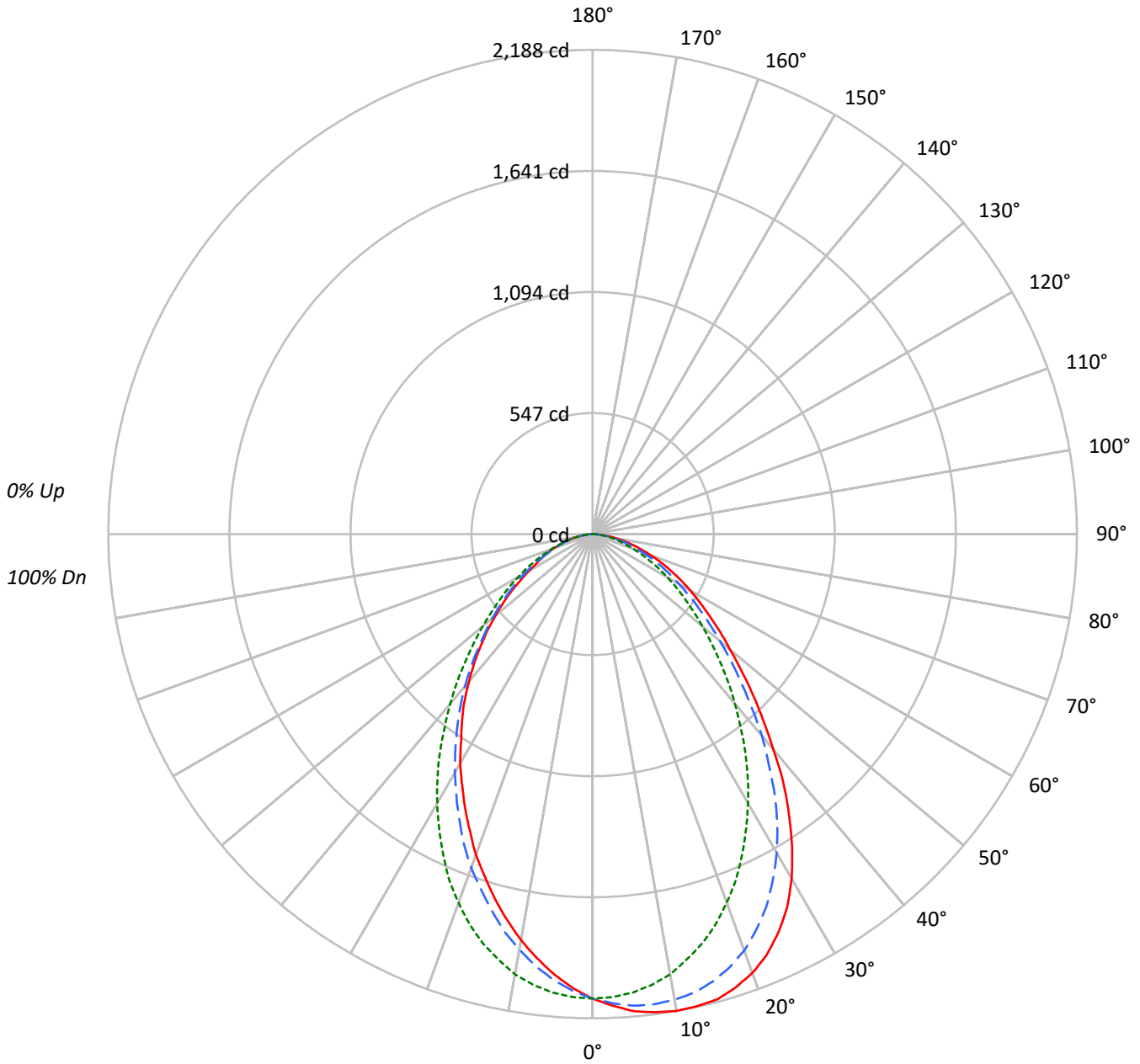
Lumens per Lamp: N/A
Luminaire Lumens: 3874.7 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P593718
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Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 64741 | 64741 | 64741 |
| 5° | 67016 | 64369 | 61812 |
| 10° | 68504 | 63241 | 58334 |
| 15° | 69480 | 61112 | 54472 |
| 20° | 69270 | 58142 | 50572 |
| 25° | 67558 | 54374 | 46426 |
| 30° | 64003 | 50006 | 42600 |
| 35° | 58232 | 45256 | 38713 |
| 40° | 51143 | 40250 | 34977 |
| 45° | 44599 | 35406 | 31181 |
| 50° | 38810 | 31024 | 27469 |
| 55° | 34612 | 27262 | 23886 |
| 60° | 31447 | 23892 | 20377 |
| 65° | 28267 | 20788 | 18497 |
| 70° | 25163 | 17725 | 16698 |
| 75° | 22065 | 14929 | 14261 |
| 80° | 18717 | 12146 | 12644 |
| 85° | 14117 | 9057 | 10084 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 196.6 | 5.1 |
| 10°-20° | 541.8 | 14.0 |
| 20°-30° | 752.1 | 19.4 |
| 30°-40° | 777.6 | 20.1 |
| 40°-50° | 651.1 | 16.8 |
| 50°-60° | 472.7 | 12.2 |
| 60°-70° | 298.3 | 7.7 |
| 70°-80° | 147.7 | 3.8 |
| 80°-90° | 36.7 | 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° | 1490.6 | 38.5 |
| 0°-40° | 2268.2 | 58.5 |
| 0°-60° | 3391.9 | 87.5 |
| 0°-90° | 3874.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3874.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2100 | 2100 | 2100 | 2100 | 2100 | |
| 5° | 2165 | 2139 | 2080 | 2023 | 1997 | 207 |
| 15° | 2176 | 2094 | 1914 | 1760 | 1706 | 613 |
| 25° | 1986 | 1857 | 1598 | 1424 | 1364 | 910 |
| 35° | 1547 | 1433 | 1202 | 1065 | 1028 | 963 |
| 45° | 1023 | 949 | 812 | 732 | 715 | 791 |
| 55° | 644 | 587 | 507 | 464 | 444 | 581 |
| 65° | 387 | 339 | 285 | 251 | 254 | 386 |
| 75° | 185 | 154 | 125 | 120 | 120 | 199 |
| 85° | 40 | 31 | 26 | 28 | 28 | 48 |
| 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° | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 |
| 2.5° | 2133.6 | 2133.6 | 2136.5 | 2133.6 | 2133.6 | 2133.6 | 2130.8 | 2130.8 | 2128.0 | 2128.0 | 2122.3 |
| 5° | 2165.0 | 2159.3 | 2165.0 | 2159.3 | 2159.3 | 2159.3 | 2156.4 | 2150.8 | 2147.9 | 2142.3 | 2139.4 |
| 7.5° | 2179.3 | 2176.4 | 2176.4 | 2173.5 | 2173.5 | 2170.7 | 2167.9 | 2165.0 | 2153.6 | 2150.8 | 2142.3 |
| 10° | 2187.8 | 2184.9 | 2184.9 | 2182.0 | 2176.4 | 2176.4 | 2170.7 | 2167.9 | 2153.6 | 2147.9 | 2136.5 |
| 12.5° | 2184.9 | 2184.9 | 2184.9 | 2182.0 | 2173.5 | 2170.7 | 2165.0 | 2156.4 | 2145.0 | 2133.6 | 2122.3 |
| 15° | 2176.4 | 2176.4 | 2170.7 | 2167.9 | 2159.3 | 2153.6 | 2150.8 | 2136.5 | 2125.1 | 2110.9 | 2093.7 |
| 17.5° | 2147.9 | 2147.9 | 2145.0 | 2139.4 | 2130.8 | 2125.1 | 2119.4 | 2105.1 | 2093.7 | 2071.0 | 2053.9 |
| 20° | 2110.9 | 2108.0 | 2105.1 | 2096.6 | 2088.1 | 2085.2 | 2076.7 | 2056.7 | 2042.5 | 2025.5 | 2002.6 |
| 22.5° | 2056.7 | 2053.9 | 2051.1 | 2045.3 | 2031.1 | 2025.5 | 2019.7 | 2005.5 | 1979.8 | 1962.8 | 1934.3 |
| 25° | 1985.6 | 1985.6 | 1979.8 | 1971.3 | 1957.1 | 1951.3 | 1942.8 | 1928.5 | 1905.8 | 1880.1 | 1857.4 |
| 27.5° | 1902.9 | 1900.0 | 1891.5 | 1885.8 | 1874.4 | 1865.9 | 1851.6 | 1834.5 | 1811.7 | 1791.8 | 1763.3 |
| 30° | 1797.5 | 1797.5 | 1791.8 | 1783.2 | 1769.1 | 1763.3 | 1752.0 | 1731.9 | 1709.2 | 1683.5 | 1663.7 |
| 32.5° | 1677.9 | 1677.9 | 1669.3 | 1663.7 | 1655.0 | 1640.9 | 1638.0 | 1615.3 | 1595.3 | 1575.4 | 1552.5 |
| 35° | 1546.9 | 1549.7 | 1544.0 | 1532.6 | 1518.3 | 1518.3 | 1512.6 | 1492.7 | 1469.9 | 1449.9 | 1432.9 |
| 37.5° | 1415.8 | 1407.3 | 1404.4 | 1398.7 | 1390.2 | 1378.8 | 1373.0 | 1364.5 | 1344.6 | 1330.4 | 1304.7 |
| 40° | 1270.5 | 1273.4 | 1267.7 | 1262.0 | 1259.1 | 1250.6 | 1247.7 | 1233.5 | 1219.2 | 1202.2 | 1190.7 |
| 42.5° | 1139.4 | 1139.4 | 1139.4 | 1133.8 | 1128.0 | 1119.5 | 1116.7 | 1108.1 | 1091.0 | 1079.6 | 1062.5 |
| 45° | 1022.7 | 1014.1 | 1014.1 | 1011.2 | 1008.5 | 1002.7 | 994.2 | 988.5 | 977.1 | 968.6 | 948.6 |
| 47.5° | 908.7 | 911.6 | 908.7 | 905.9 | 897.3 | 894.5 | 891.7 | 880.3 | 868.9 | 860.3 | 846.0 |
| 50° | 809.0 | 814.8 | 809.0 | 809.0 | 803.4 | 800.5 | 794.8 | 786.2 | 777.7 | 763.5 | 749.2 |
| 52.5° | 726.5 | 726.5 | 723.6 | 720.7 | 712.2 | 706.5 | 703.6 | 700.8 | 686.6 | 675.2 | 663.7 |
| 55° | 643.8 | 646.7 | 646.7 | 638.1 | 635.3 | 629.5 | 626.7 | 618.2 | 612.4 | 595.4 | 586.8 |
| 57.5° | 572.6 | 569.8 | 572.6 | 566.9 | 561.1 | 555.5 | 552.6 | 547.0 | 538.4 | 527.0 | 515.6 |
| 60° | 509.9 | 504.2 | 504.2 | 501.4 | 495.6 | 492.9 | 487.1 | 478.6 | 470.0 | 458.6 | 450.1 |
| 62.5° | 447.2 | 444.3 | 441.6 | 438.7 | 433.0 | 430.2 | 427.3 | 418.7 | 410.2 | 401.7 | 393.1 |
| 65° | 387.4 | 387.4 | 384.6 | 378.9 | 376.1 | 373.2 | 370.3 | 364.7 | 353.3 | 347.5 | 339.0 |
| 67.5° | 333.3 | 330.4 | 330.4 | 324.8 | 319.0 | 316.2 | 316.2 | 310.5 | 302.0 | 293.4 | 287.8 |
| 70° | 279.1 | 282.0 | 279.1 | 276.4 | 270.6 | 270.6 | 264.9 | 262.1 | 250.7 | 247.9 | 239.2 |
| 72.5° | 230.7 | 230.7 | 227.9 | 227.9 | 222.2 | 219.4 | 219.4 | 213.6 | 208.0 | 202.2 | 196.6 |
| 75° | 185.2 | 185.2 | 185.2 | 182.3 | 179.5 | 173.8 | 173.8 | 171.0 | 165.2 | 159.6 | 153.8 |
| 77.5° | 145.3 | 142.4 | 142.4 | 139.6 | 136.7 | 133.9 | 133.9 | 131.1 | 125.3 | 122.4 | 116.8 |
| 80° | 105.4 | 102.5 | 102.5 | 102.5 | 96.8 | 99.7 | 96.8 | 94.0 | 91.2 | 88.3 | 85.4 |
| 82.5° | 68.4 | 71.2 | 71.2 | 68.4 | 65.5 | 65.5 | 65.5 | 62.7 | 62.7 | 59.8 | 57.0 |
| 85° | 39.9 | 39.9 | 39.9 | 39.9 | 37.0 | 37.0 | 37.0 | 34.1 | 34.1 | 34.1 | 31.4 |
| 87.5° | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 |
| 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° | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 |
| 2.5° | 2122.3 | 2116.6 | 2113.8 | 2110.9 | 2110.9 | 2108.0 | 2105.1 | 2099.5 | 2099.5 | 2093.7 | 2091.0 |
| 5° | 2133.6 | 2125.1 | 2119.4 | 2113.8 | 2110.9 | 2105.1 | 2099.5 | 2091.0 | 2088.1 | 2079.5 | 2071.0 |
| 7.5° | 2136.5 | 2122.3 | 2116.6 | 2105.1 | 2099.5 | 2093.7 | 2082.4 | 2073.9 | 2062.5 | 2053.9 | 2042.5 |
| 10° | 2125.1 | 2113.8 | 2099.5 | 2085.2 | 2082.4 | 2073.9 | 2056.7 | 2045.3 | 2031.1 | 2019.7 | 2002.6 |
| 12.5° | 2108.0 | 2091.0 | 2076.7 | 2059.6 | 2051.1 | 2042.5 | 2025.5 | 2008.3 | 1988.4 | 1968.4 | 1951.3 |
| 15° | 2079.5 | 2059.6 | 2039.7 | 2019.7 | 2008.3 | 1999.8 | 1979.8 | 1959.9 | 1939.9 | 1914.3 | 1897.3 |
| 17.5° | 2036.8 | 2014.1 | 1994.1 | 1968.4 | 1957.1 | 1948.5 | 1922.9 | 1900.0 | 1874.4 | 1848.8 | 1831.7 |
| 20° | 1982.7 | 1954.2 | 1931.4 | 1902.9 | 1894.4 | 1880.1 | 1854.5 | 1828.9 | 1800.4 | 1771.8 | 1752.0 |
| 22.5° | 1911.5 | 1883.0 | 1857.4 | 1828.9 | 1814.6 | 1800.4 | 1774.7 | 1743.4 | 1714.9 | 1692.2 | 1672.2 |
| 25° | 1828.9 | 1803.2 | 1771.8 | 1746.2 | 1729.2 | 1712.1 | 1683.5 | 1657.9 | 1632.3 | 1598.1 | 1578.1 |
| 27.5° | 1737.7 | 1706.3 | 1683.5 | 1649.4 | 1632.3 | 1620.9 | 1589.6 | 1555.4 | 1532.6 | 1501.2 | 1478.5 |
| 30° | 1635.2 | 1606.6 | 1581.0 | 1546.9 | 1529.7 | 1518.3 | 1489.8 | 1458.6 | 1435.7 | 1404.4 | 1381.7 |
| 32.5° | 1526.9 | 1495.6 | 1464.2 | 1441.4 | 1421.5 | 1410.0 | 1378.8 | 1358.8 | 1330.4 | 1304.7 | 1279.1 |
| 35° | 1410.0 | 1378.8 | 1356.0 | 1324.6 | 1313.2 | 1301.9 | 1276.2 | 1250.6 | 1225.0 | 1202.2 | 1182.2 |
| 37.5° | 1284.7 | 1262.0 | 1236.3 | 1213.6 | 1204.9 | 1193.6 | 1162.3 | 1139.4 | 1119.5 | 1096.8 | 1079.6 |
| 40° | 1162.3 | 1142.3 | 1125.3 | 1102.4 | 1088.1 | 1079.6 | 1056.9 | 1036.9 | 1014.1 | 999.9 | 982.8 |
| 42.5° | 1051.1 | 1028.4 | 1011.2 | 994.2 | 980.0 | 971.5 | 951.5 | 937.2 | 920.2 | 905.9 | 885.9 |
| 45° | 934.3 | 922.9 | 903.1 | 888.8 | 880.3 | 868.9 | 854.7 | 837.5 | 823.3 | 811.9 | 797.6 |
| 47.5° | 831.8 | 820.4 | 806.1 | 789.1 | 783.4 | 774.9 | 760.6 | 749.2 | 737.8 | 726.5 | 712.2 |
| 50° | 737.8 | 723.6 | 712.2 | 700.8 | 695.1 | 686.6 | 672.3 | 666.6 | 658.1 | 646.7 | 638.1 |
| 52.5° | 652.3 | 640.9 | 629.5 | 615.3 | 612.4 | 606.8 | 598.3 | 586.8 | 578.3 | 572.6 | 566.9 |
| 55° | 575.4 | 564.0 | 555.5 | 544.1 | 541.3 | 535.5 | 524.1 | 518.5 | 512.7 | 507.1 | 501.4 |
| 57.5° | 507.1 | 495.6 | 484.2 | 478.6 | 472.9 | 467.2 | 464.3 | 455.8 | 450.1 | 447.2 | 441.6 |
| 60° | 444.3 | 433.0 | 424.5 | 415.9 | 413.1 | 410.2 | 404.6 | 398.8 | 393.1 | 387.4 | 384.6 |
| 62.5° | 384.6 | 373.2 | 367.4 | 361.8 | 356.0 | 356.0 | 350.4 | 344.7 | 339.0 | 336.2 | 330.4 |
| 65° | 330.4 | 324.8 | 316.2 | 307.6 | 304.8 | 304.8 | 296.3 | 293.4 | 290.5 | 284.9 | 279.1 |
| 67.5° | 279.1 | 273.5 | 264.9 | 262.1 | 259.2 | 256.4 | 253.5 | 247.9 | 242.1 | 239.2 | 233.6 |
| 70° | 233.6 | 227.9 | 222.2 | 219.4 | 216.5 | 213.6 | 208.0 | 205.1 | 199.5 | 196.6 | 193.7 |
| 72.5° | 188.0 | 185.2 | 179.5 | 176.6 | 173.8 | 171.0 | 168.1 | 165.2 | 159.6 | 156.7 | 153.8 |
| 75° | 150.9 | 148.1 | 142.4 | 139.6 | 136.7 | 136.7 | 133.9 | 128.2 | 125.3 | 125.3 | 122.4 |
| 77.5° | 113.9 | 111.1 | 108.3 | 105.4 | 102.5 | 102.5 | 99.7 | 96.8 | 94.0 | 94.0 | 91.2 |
| 80° | 82.7 | 79.8 | 76.9 | 76.9 | 76.9 | 74.0 | 71.2 | 71.2 | 68.4 | 68.4 | 65.5 |
| 82.5° | 54.1 | 54.1 | 51.3 | 51.3 | 51.3 | 48.4 | 48.4 | 45.5 | 45.5 | 45.5 | 45.5 |
| 85° | 31.4 | 31.4 | 31.4 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 25.6 | 28.5 |
| 87.5° | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 11.4 | 11.4 | 11.4 |
| 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° | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 |
| 2.5° | 2088.1 | 2085.2 | 2079.5 | 2079.5 | 2073.9 | 2073.9 | 2071.0 | 2068.1 | 2065.4 | 2062.5 | 2059.6 |
| 5° | 2068.1 | 2056.7 | 2051.1 | 2048.2 | 2042.5 | 2039.7 | 2031.1 | 2025.5 | 2022.6 | 2016.8 | 2011.2 |
| 7.5° | 2031.1 | 2019.7 | 2008.3 | 2005.5 | 2002.6 | 1991.2 | 1982.7 | 1974.2 | 1968.4 | 1962.8 | 1957.1 |
| 10° | 1988.4 | 1976.9 | 1962.8 | 1957.1 | 1951.3 | 1937.2 | 1925.7 | 1917.2 | 1905.8 | 1894.4 | 1891.5 |
| 12.5° | 1937.2 | 1920.0 | 1902.9 | 1897.3 | 1888.6 | 1874.4 | 1863.0 | 1848.8 | 1840.2 | 1826.0 | 1823.1 |
| 15° | 1877.3 | 1857.4 | 1843.1 | 1828.9 | 1823.1 | 1808.9 | 1789.0 | 1777.6 | 1760.5 | 1754.8 | 1740.6 |
| 17.5° | 1806.1 | 1786.1 | 1766.2 | 1760.5 | 1752.0 | 1731.9 | 1712.1 | 1697.8 | 1680.7 | 1672.2 | 1663.7 |
| 20° | 1731.9 | 1706.3 | 1686.4 | 1680.7 | 1669.3 | 1652.3 | 1632.3 | 1618.0 | 1603.8 | 1586.8 | 1578.1 |
| 22.5° | 1646.5 | 1618.0 | 1601.0 | 1586.8 | 1583.9 | 1564.0 | 1541.1 | 1529.7 | 1518.3 | 1504.1 | 1492.7 |
| 25° | 1552.5 | 1526.9 | 1507.0 | 1495.6 | 1489.8 | 1472.8 | 1455.7 | 1441.4 | 1424.3 | 1415.8 | 1401.5 |
| 27.5° | 1455.7 | 1438.6 | 1412.9 | 1401.5 | 1393.0 | 1378.8 | 1358.8 | 1350.3 | 1333.1 | 1321.8 | 1313.2 |
| 30° | 1361.6 | 1336.0 | 1321.8 | 1307.5 | 1299.0 | 1284.7 | 1267.7 | 1259.1 | 1244.8 | 1233.5 | 1225.0 |
| 32.5° | 1259.1 | 1242.1 | 1222.1 | 1216.4 | 1204.9 | 1190.7 | 1179.3 | 1165.1 | 1153.7 | 1142.3 | 1139.4 |
| 35° | 1165.1 | 1142.3 | 1122.4 | 1116.7 | 1108.1 | 1093.9 | 1088.1 | 1079.6 | 1065.4 | 1062.5 | 1051.1 |
| 37.5° | 1062.5 | 1051.1 | 1028.4 | 1019.9 | 1017.0 | 1005.6 | 994.2 | 988.5 | 980.0 | 971.5 | 968.6 |
| 40° | 965.7 | 951.5 | 940.1 | 931.6 | 925.8 | 917.3 | 905.9 | 903.1 | 897.3 | 885.9 | 883.0 |
| 42.5° | 874.5 | 860.3 | 848.9 | 846.0 | 837.5 | 829.0 | 823.3 | 814.8 | 811.9 | 809.0 | 803.4 |
| 45° | 786.2 | 777.7 | 766.2 | 763.5 | 760.6 | 749.2 | 743.5 | 737.8 | 732.1 | 729.2 | 723.6 |
| 47.5° | 706.5 | 698.0 | 689.3 | 686.6 | 680.8 | 677.9 | 669.4 | 666.6 | 658.1 | 655.2 | 652.3 |
| 50° | 629.5 | 623.9 | 618.2 | 615.3 | 609.7 | 606.8 | 601.0 | 595.4 | 589.7 | 586.8 | 584.0 |
| 52.5° | 561.1 | 555.5 | 549.8 | 547.0 | 544.1 | 538.4 | 532.8 | 527.0 | 524.1 | 521.4 | 518.5 |
| 55° | 495.6 | 490.0 | 487.1 | 484.2 | 481.5 | 478.6 | 470.0 | 467.2 | 464.3 | 461.5 | 455.8 |
| 57.5° | 435.8 | 430.2 | 424.5 | 424.5 | 421.6 | 418.7 | 413.1 | 407.3 | 407.3 | 401.7 | 395.9 |
| 60° | 381.7 | 376.1 | 370.3 | 367.4 | 364.7 | 358.9 | 356.0 | 353.3 | 350.4 | 347.5 | 341.8 |
| 62.5° | 324.8 | 321.9 | 316.2 | 316.2 | 310.5 | 307.6 | 304.8 | 302.0 | 299.1 | 293.4 | 290.5 |
| 65° | 276.4 | 273.5 | 267.8 | 264.9 | 264.9 | 262.1 | 256.4 | 253.5 | 250.7 | 250.7 | 247.9 |
| 67.5° | 230.7 | 227.9 | 222.2 | 219.4 | 219.4 | 216.5 | 213.6 | 213.6 | 210.8 | 208.0 | 210.8 |
| 70° | 190.8 | 185.2 | 185.2 | 182.3 | 182.3 | 179.5 | 176.6 | 176.6 | 176.6 | 179.5 | 179.5 |
| 72.5° | 150.9 | 148.1 | 145.3 | 145.3 | 145.3 | 145.3 | 142.4 | 142.4 | 145.3 | 148.1 | 148.1 |
| 75° | 119.7 | 116.8 | 116.8 | 116.8 | 113.9 | 113.9 | 116.8 | 116.8 | 119.7 | 119.7 | 119.7 |
| 77.5° | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 91.2 | 91.2 | 94.0 | 94.0 | 94.0 |
| 80° | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 71.2 |
| 82.5° | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 48.4 | 48.4 | 48.4 | 48.4 |
| 85° | 25.6 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 |
| 87.5° | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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



TEST NUMBER: P593718

CATALOG NUMBER: HCC8S35D010MB-HM82555950-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 | 2099.5 |
| 2.5° | 2056.7 | 2056.7 | 2056.7 | 2059.6 | 2053.9 | 2053.9 | 2053.9 | 2053.9 |
| 5° | 2008.3 | 2005.5 | 2002.6 | 2005.5 | 1999.8 | 1999.8 | 1996.9 | 1996.9 |
| 7.5° | 1948.5 | 1945.7 | 1942.8 | 1942.8 | 1937.2 | 1937.2 | 1934.3 | 1931.4 |
| 10° | 1883.0 | 1877.3 | 1880.1 | 1874.4 | 1871.6 | 1868.8 | 1865.9 | 1863.0 |
| 12.5° | 1811.7 | 1806.1 | 1803.2 | 1797.5 | 1791.8 | 1789.0 | 1791.8 | 1786.1 |
| 15° | 1734.8 | 1726.3 | 1723.4 | 1717.8 | 1712.1 | 1709.2 | 1709.2 | 1706.3 |
| 17.5° | 1649.4 | 1643.7 | 1640.9 | 1635.2 | 1632.3 | 1626.6 | 1623.8 | 1620.9 |
| 20° | 1569.6 | 1555.4 | 1558.2 | 1552.5 | 1549.7 | 1538.2 | 1538.2 | 1541.1 |
| 22.5° | 1481.3 | 1472.8 | 1467.1 | 1461.3 | 1458.6 | 1452.8 | 1452.8 | 1449.9 |
| 25° | 1393.0 | 1384.4 | 1381.7 | 1375.9 | 1373.0 | 1367.4 | 1364.5 | 1364.5 |
| 27.5° | 1307.5 | 1296.1 | 1296.1 | 1290.5 | 1284.7 | 1281.9 | 1279.1 | 1276.2 |
| 30° | 1216.4 | 1207.8 | 1204.9 | 1204.9 | 1202.2 | 1202.2 | 1193.6 | 1196.4 |
| 32.5° | 1130.9 | 1125.3 | 1122.4 | 1116.7 | 1116.7 | 1113.8 | 1113.8 | 1105.3 |
| 35° | 1045.5 | 1036.9 | 1039.7 | 1034.1 | 1031.2 | 1028.4 | 1031.2 | 1028.4 |
| 37.5° | 962.8 | 957.2 | 957.2 | 951.5 | 951.5 | 948.6 | 945.8 | 951.5 |
| 40° | 880.3 | 877.4 | 874.5 | 871.7 | 874.5 | 871.7 | 866.0 | 868.9 |
| 42.5° | 797.6 | 797.6 | 794.8 | 794.8 | 791.9 | 791.9 | 791.9 | 791.9 |
| 45° | 723.6 | 720.7 | 720.7 | 717.8 | 717.8 | 717.8 | 717.8 | 715.0 |
| 47.5° | 649.6 | 646.7 | 646.7 | 646.7 | 643.8 | 643.8 | 640.9 | 643.8 |
| 50° | 578.3 | 578.3 | 575.4 | 575.4 | 578.3 | 575.4 | 572.6 | 572.6 |
| 52.5° | 512.7 | 512.7 | 509.9 | 509.9 | 507.1 | 504.2 | 507.1 | 507.1 |
| 55° | 453.0 | 450.1 | 447.2 | 447.2 | 444.3 | 441.6 | 441.6 | 444.3 |
| 57.5° | 395.9 | 393.1 | 390.3 | 390.3 | 384.6 | 381.7 | 381.7 | 381.7 |
| 60° | 341.8 | 336.2 | 336.2 | 333.3 | 333.3 | 330.4 | 330.4 | 330.4 |
| 62.5° | 290.5 | 287.8 | 287.8 | 287.8 | 287.8 | 284.9 | 284.9 | 284.9 |
| 65° | 247.9 | 247.9 | 247.9 | 250.7 | 250.7 | 253.5 | 253.5 | 253.5 |
| 67.5° | 213.6 | 216.5 | 216.5 | 216.5 | 219.4 | 219.4 | 219.4 | 216.5 |
| 70° | 182.3 | 182.3 | 182.3 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 |
| 72.5° | 150.9 | 150.9 | 150.9 | 150.9 | 150.9 | 150.9 | 150.9 | 150.9 |
| 75° | 119.7 | 122.4 | 122.4 | 122.4 | 119.7 | 122.4 | 122.4 | 119.7 |
| 77.5° | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 80° | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| 82.5° | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| 85° | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 |
| 87.5° | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 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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Scaled Data Report



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

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(END OF REPORT)