

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: P584862

Luminaire Tested: **HCC8S50D010MW-HM82555927-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584862
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: HCC8S50D010MW-HM82555927-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

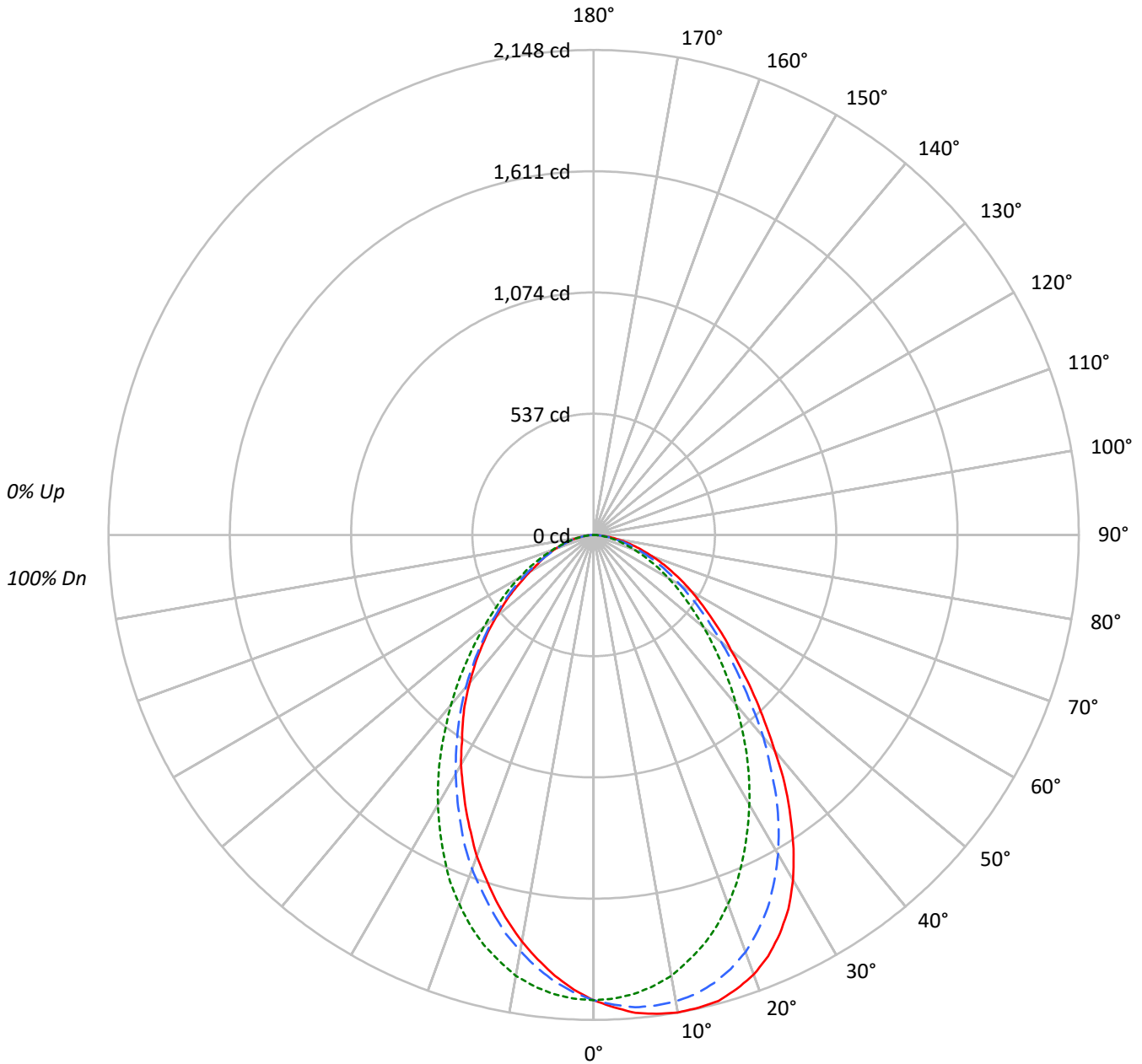
Lumens per Lamp: N/A
Luminaire Lumens: 3803.7 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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: P584862
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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | |
| RW | 70 | 50 | 30 | 10 | 70 | 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° | 63557 | 63557 | 63557 |
| 5° | 65790 | 63190 | 60682 |
| 10° | 67249 | 62082 | 57267 |
| 15° | 68209 | 59995 | 53476 |
| 20° | 68000 | 57082 | 49646 |
| 25° | 66320 | 53377 | 45579 |
| 30° | 62832 | 49091 | 41820 |
| 35° | 57163 | 44424 | 38002 |
| 40° | 50205 | 39513 | 34333 |
| 45° | 43779 | 34756 | 30614 |
| 50° | 38100 | 30453 | 26966 |
| 55° | 33977 | 26762 | 23456 |
| 60° | 30873 | 23454 | 20007 |
| 65° | 27749 | 20401 | 18161 |
| 70° | 24704 | 17401 | 16391 |
| 75° | 21660 | 14666 | 13999 |
| 80° | 18379 | 11916 | 12413 |
| 85° | 13869 | 8881 | 9871 |

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Scaled Data Report

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 193.0 | 5.1 |
| 10°-20° | 531.9 | 14.0 |
| 20°-30° | 738.3 | 19.4 |
| 30°-40° | 763.4 | 20.1 |
| 40°-50° | 639.2 | 16.8 |
| 50°-60° | 464.0 | 12.2 |
| 60°-70° | 292.8 | 7.7 |
| 70°-80° | 145.0 | 3.8 |
| 80°-90° | 36.1 | 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° | 1463.3 | 38.5 |
| 0°-40° | 2226.6 | 58.5 |
| 0°-60° | 3329.8 | 87.5 |
| 0°-90° | 3803.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3803.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2061 | 2061 | 2061 | 2061 | 2061 | |
| 5° | 2125 | 2100 | 2041 | 1986 | 1960 | 203 |
| 15° | 2137 | 2056 | 1879 | 1728 | 1675 | 601 |
| 25° | 1949 | 1823 | 1569 | 1398 | 1340 | 893 |
| 35° | 1518 | 1407 | 1180 | 1046 | 1010 | 946 |
| 45° | 1004 | 931 | 797 | 719 | 702 | 776 |
| 55° | 632 | 576 | 498 | 456 | 436 | 570 |
| 65° | 380 | 333 | 280 | 246 | 249 | 379 |
| 75° | 182 | 151 | 123 | 118 | 118 | 195 |
| 85° | 39 | 31 | 25 | 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° | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 |
| 2.5° | 2094.6 | 2094.6 | 2097.4 | 2094.6 | 2094.6 | 2094.6 | 2091.8 | 2091.8 | 2089.0 | 2089.0 | 2083.4 |
| 5° | 2125.4 | 2119.7 | 2125.4 | 2119.7 | 2119.7 | 2119.7 | 2116.9 | 2111.3 | 2108.5 | 2103.0 | 2100.2 |
| 7.5° | 2139.4 | 2136.6 | 2136.6 | 2133.8 | 2133.8 | 2131.0 | 2128.2 | 2125.4 | 2114.1 | 2111.3 | 2103.0 |
| 10° | 2147.7 | 2144.9 | 2144.9 | 2142.2 | 2136.6 | 2136.6 | 2131.0 | 2128.2 | 2114.1 | 2108.5 | 2097.4 |
| 12.5° | 2144.9 | 2144.9 | 2144.9 | 2142.2 | 2133.8 | 2131.0 | 2125.4 | 2116.9 | 2105.8 | 2094.6 | 2083.4 |
| 15° | 2136.6 | 2136.6 | 2131.0 | 2128.2 | 2119.7 | 2114.1 | 2111.3 | 2097.4 | 2086.2 | 2072.2 | 2055.5 |
| 17.5° | 2108.5 | 2108.5 | 2105.8 | 2100.2 | 2091.8 | 2086.2 | 2080.6 | 2066.7 | 2055.5 | 2033.1 | 2016.3 |
| 20° | 2072.2 | 2069.5 | 2066.7 | 2058.3 | 2049.8 | 2047.0 | 2038.6 | 2019.1 | 2005.1 | 1988.4 | 1965.9 |
| 22.5° | 2019.1 | 2016.3 | 2013.5 | 2007.9 | 1994.0 | 1988.4 | 1982.7 | 1968.7 | 1943.6 | 1926.9 | 1898.8 |
| 25° | 1949.2 | 1949.2 | 1943.6 | 1935.2 | 1921.3 | 1915.6 | 1907.2 | 1893.2 | 1870.9 | 1845.7 | 1823.3 |
| 27.5° | 1868.1 | 1865.3 | 1856.8 | 1851.3 | 1840.1 | 1831.7 | 1817.8 | 1801.0 | 1778.6 | 1759.0 | 1731.1 |
| 30° | 1764.6 | 1764.6 | 1759.0 | 1750.6 | 1736.7 | 1731.1 | 1719.8 | 1700.3 | 1677.9 | 1652.7 | 1633.2 |
| 32.5° | 1647.1 | 1647.1 | 1638.8 | 1633.2 | 1624.8 | 1610.8 | 1608.0 | 1585.6 | 1566.1 | 1546.5 | 1524.1 |
| 35° | 1518.5 | 1521.3 | 1515.7 | 1504.5 | 1490.6 | 1490.6 | 1485.0 | 1465.3 | 1443.0 | 1423.4 | 1406.7 |
| 37.5° | 1389.8 | 1381.5 | 1378.7 | 1373.1 | 1364.7 | 1353.5 | 1348.0 | 1339.6 | 1319.9 | 1306.0 | 1280.8 |
| 40° | 1247.2 | 1250.0 | 1244.4 | 1238.9 | 1236.1 | 1227.7 | 1224.9 | 1210.9 | 1196.9 | 1180.1 | 1169.0 |
| 42.5° | 1118.6 | 1118.6 | 1118.6 | 1113.0 | 1107.4 | 1099.0 | 1096.3 | 1087.9 | 1071.0 | 1059.9 | 1043.1 |
| 45° | 1003.9 | 995.5 | 995.5 | 992.7 | 990.0 | 984.4 | 976.0 | 970.4 | 959.2 | 950.9 | 931.2 |
| 47.5° | 892.1 | 894.9 | 892.1 | 889.3 | 881.0 | 878.2 | 875.3 | 864.1 | 852.9 | 844.6 | 830.6 |
| 50° | 794.2 | 799.8 | 794.2 | 794.2 | 788.6 | 785.8 | 780.2 | 771.9 | 763.5 | 749.4 | 735.5 |
| 52.5° | 713.1 | 713.1 | 710.3 | 707.5 | 699.2 | 693.6 | 690.8 | 688.0 | 673.9 | 662.8 | 651.6 |
| 55° | 632.0 | 634.8 | 634.8 | 626.5 | 623.7 | 618.1 | 615.2 | 606.8 | 601.2 | 584.5 | 576.1 |
| 57.5° | 562.1 | 559.2 | 562.1 | 556.6 | 550.9 | 545.3 | 542.5 | 536.9 | 528.5 | 517.4 | 506.2 |
| 60° | 500.6 | 495.0 | 495.0 | 492.1 | 486.5 | 483.8 | 478.2 | 469.8 | 461.4 | 450.3 | 441.9 |
| 62.5° | 439.1 | 436.3 | 433.5 | 430.7 | 425.0 | 422.2 | 419.4 | 411.1 | 402.7 | 394.3 | 385.9 |
| 65° | 380.3 | 380.3 | 377.6 | 372.0 | 369.2 | 366.4 | 363.6 | 357.9 | 346.7 | 341.2 | 332.8 |
| 67.5° | 327.2 | 324.4 | 324.4 | 318.8 | 313.2 | 310.4 | 310.4 | 304.9 | 296.5 | 288.0 | 282.4 |
| 70° | 274.0 | 276.8 | 274.0 | 271.2 | 265.7 | 265.7 | 260.1 | 257.3 | 246.1 | 243.3 | 234.9 |
| 72.5° | 226.6 | 226.6 | 223.7 | 223.7 | 218.1 | 215.3 | 215.3 | 209.7 | 204.1 | 198.5 | 193.0 |
| 75° | 181.8 | 181.8 | 181.8 | 179.0 | 176.2 | 170.6 | 170.6 | 167.8 | 162.1 | 156.6 | 151.0 |
| 77.5° | 142.6 | 139.8 | 139.8 | 137.0 | 134.2 | 131.4 | 131.4 | 128.6 | 123.1 | 120.3 | 114.7 |
| 80° | 103.5 | 100.7 | 100.7 | 100.7 | 95.0 | 97.8 | 95.0 | 92.2 | 89.5 | 86.7 | 83.9 |
| 82.5° | 67.1 | 69.9 | 69.9 | 67.1 | 64.3 | 64.3 | 64.3 | 61.5 | 61.5 | 58.7 | 55.9 |
| 85° | 39.2 | 39.2 | 39.2 | 39.2 | 36.4 | 36.4 | 36.4 | 33.6 | 33.6 | 33.6 | 30.7 |
| 87.5° | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 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° | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 |
| 2.5° | 2083.4 | 2077.8 | 2075.0 | 2072.2 | 2072.2 | 2069.5 | 2066.7 | 2061.1 | 2061.1 | 2055.5 | 2052.6 |
| 5° | 2094.6 | 2086.2 | 2080.6 | 2075.0 | 2072.2 | 2066.7 | 2061.1 | 2052.6 | 2049.8 | 2041.4 | 2033.1 |
| 7.5° | 2097.4 | 2083.4 | 2077.8 | 2066.7 | 2061.1 | 2055.5 | 2044.2 | 2035.8 | 2024.7 | 2016.3 | 2005.1 |
| 10° | 2086.2 | 2075.0 | 2061.1 | 2047.0 | 2044.2 | 2035.8 | 2019.1 | 2007.9 | 1994.0 | 1982.7 | 1965.9 |
| 12.5° | 2069.5 | 2052.6 | 2038.6 | 2021.9 | 2013.5 | 2005.1 | 1988.4 | 1971.5 | 1952.0 | 1932.4 | 1915.6 |
| 15° | 2041.4 | 2021.9 | 2002.3 | 1982.7 | 1971.5 | 1963.2 | 1943.6 | 1924.1 | 1904.4 | 1879.3 | 1862.5 |
| 17.5° | 1999.5 | 1977.1 | 1957.6 | 1932.4 | 1921.3 | 1912.8 | 1887.7 | 1865.3 | 1840.1 | 1815.0 | 1798.2 |
| 20° | 1946.4 | 1918.4 | 1896.0 | 1868.1 | 1859.6 | 1845.7 | 1820.5 | 1795.4 | 1767.4 | 1739.5 | 1719.8 |
| 22.5° | 1876.5 | 1848.5 | 1823.3 | 1795.4 | 1781.4 | 1767.4 | 1742.3 | 1711.4 | 1683.5 | 1661.1 | 1641.5 |
| 25° | 1795.4 | 1770.2 | 1739.5 | 1714.2 | 1697.5 | 1680.7 | 1652.7 | 1627.6 | 1602.5 | 1568.8 | 1549.3 |
| 27.5° | 1705.9 | 1675.1 | 1652.7 | 1619.2 | 1602.5 | 1591.2 | 1560.5 | 1526.9 | 1504.5 | 1473.8 | 1451.4 |
| 30° | 1605.2 | 1577.2 | 1552.1 | 1518.5 | 1501.7 | 1490.6 | 1462.5 | 1431.8 | 1409.5 | 1378.7 | 1356.3 |
| 32.5° | 1498.9 | 1468.1 | 1437.4 | 1415.1 | 1395.4 | 1384.3 | 1353.5 | 1333.9 | 1306.0 | 1280.8 | 1255.6 |
| 35° | 1384.3 | 1353.5 | 1331.1 | 1300.4 | 1289.2 | 1278.1 | 1252.8 | 1227.7 | 1202.6 | 1180.1 | 1160.6 |
| 37.5° | 1261.2 | 1238.9 | 1213.7 | 1191.3 | 1182.9 | 1171.7 | 1140.9 | 1118.6 | 1099.0 | 1076.6 | 1059.9 |
| 40° | 1140.9 | 1121.4 | 1104.6 | 1082.3 | 1068.2 | 1059.9 | 1037.5 | 1018.0 | 995.5 | 981.6 | 964.8 |
| 42.5° | 1031.9 | 1009.5 | 992.7 | 976.0 | 962.0 | 953.7 | 934.0 | 920.0 | 903.3 | 889.3 | 869.7 |
| 45° | 917.3 | 906.1 | 886.5 | 872.5 | 864.1 | 852.9 | 839.0 | 822.2 | 808.2 | 797.0 | 783.0 |
| 47.5° | 816.5 | 805.4 | 791.4 | 774.6 | 769.1 | 760.7 | 746.6 | 735.5 | 724.3 | 713.1 | 699.2 |
| 50° | 724.3 | 710.3 | 699.2 | 688.0 | 682.3 | 673.9 | 660.0 | 654.4 | 646.0 | 634.8 | 626.5 |
| 52.5° | 640.4 | 629.3 | 618.1 | 604.0 | 601.2 | 595.6 | 587.3 | 576.1 | 567.7 | 562.1 | 556.6 |
| 55° | 564.9 | 553.8 | 545.3 | 534.1 | 531.3 | 525.7 | 514.6 | 509.0 | 503.4 | 497.8 | 492.1 |
| 57.5° | 497.8 | 486.5 | 475.4 | 469.8 | 464.2 | 458.6 | 455.8 | 447.5 | 441.9 | 439.1 | 433.5 |
| 60° | 436.3 | 425.0 | 416.6 | 408.3 | 405.5 | 402.7 | 397.1 | 391.5 | 385.9 | 380.3 | 377.6 |
| 62.5° | 377.6 | 366.4 | 360.8 | 355.1 | 349.5 | 349.5 | 343.9 | 338.4 | 332.8 | 330.0 | 324.4 |
| 65° | 324.4 | 318.8 | 310.4 | 302.1 | 299.3 | 299.3 | 290.8 | 288.0 | 285.2 | 279.6 | 274.0 |
| 67.5° | 274.0 | 268.5 | 260.1 | 257.3 | 254.5 | 251.7 | 248.9 | 243.3 | 237.7 | 234.9 | 229.4 |
| 70° | 229.4 | 223.7 | 218.1 | 215.3 | 212.5 | 209.7 | 204.1 | 201.3 | 195.8 | 193.0 | 190.2 |
| 72.5° | 184.6 | 181.8 | 176.2 | 173.4 | 170.6 | 167.8 | 164.9 | 162.1 | 156.6 | 153.8 | 151.0 |
| 75° | 148.2 | 145.4 | 139.8 | 137.0 | 134.2 | 134.2 | 131.4 | 125.9 | 123.1 | 123.1 | 120.3 |
| 77.5° | 111.9 | 109.1 | 106.3 | 103.5 | 100.7 | 100.7 | 97.8 | 95.0 | 92.2 | 92.2 | 89.5 |
| 80° | 81.1 | 78.3 | 75.5 | 75.5 | 75.5 | 72.7 | 69.9 | 69.9 | 67.1 | 67.1 | 64.3 |
| 82.5° | 53.2 | 53.2 | 50.4 | 50.4 | 50.4 | 47.6 | 47.6 | 44.8 | 44.8 | 44.8 | 44.8 |
| 85° | 30.7 | 30.7 | 30.7 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 25.1 | 27.9 |
| 87.5° | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 11.2 | 11.2 | 11.2 |
| 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° | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 |
| 2.5° | 2049.8 | 2047.0 | 2041.4 | 2041.4 | 2035.8 | 2035.8 | 2033.1 | 2030.3 | 2027.5 | 2024.7 | 2021.9 |
| 5° | 2030.3 | 2019.1 | 2013.5 | 2010.7 | 2005.1 | 2002.3 | 1994.0 | 1988.4 | 1985.5 | 1979.9 | 1974.3 |
| 7.5° | 1994.0 | 1982.7 | 1971.5 | 1968.7 | 1965.9 | 1954.8 | 1946.4 | 1938.0 | 1932.4 | 1926.9 | 1921.3 |
| 10° | 1952.0 | 1940.8 | 1926.9 | 1921.3 | 1915.6 | 1901.6 | 1890.5 | 1882.1 | 1870.9 | 1859.6 | 1856.8 |
| 12.5° | 1901.6 | 1884.9 | 1868.1 | 1862.5 | 1854.2 | 1840.1 | 1828.9 | 1815.0 | 1806.6 | 1792.5 | 1789.7 |
| 15° | 1842.9 | 1823.3 | 1809.4 | 1795.4 | 1789.7 | 1775.8 | 1756.2 | 1745.1 | 1728.2 | 1722.6 | 1708.7 |
| 17.5° | 1773.0 | 1753.4 | 1733.9 | 1728.2 | 1719.8 | 1700.3 | 1680.7 | 1666.8 | 1649.9 | 1641.5 | 1633.2 |
| 20° | 1700.3 | 1675.1 | 1655.5 | 1649.9 | 1638.8 | 1622.0 | 1602.5 | 1588.4 | 1574.4 | 1557.7 | 1549.3 |
| 22.5° | 1616.4 | 1588.4 | 1571.6 | 1557.7 | 1554.9 | 1535.2 | 1512.9 | 1501.7 | 1490.6 | 1476.6 | 1465.3 |
| 25° | 1524.1 | 1498.9 | 1479.4 | 1468.1 | 1462.5 | 1445.8 | 1429.0 | 1415.1 | 1398.2 | 1389.8 | 1375.9 |
| 27.5° | 1429.0 | 1412.3 | 1387.0 | 1375.9 | 1367.5 | 1353.5 | 1333.9 | 1325.5 | 1308.8 | 1297.6 | 1289.2 |
| 30° | 1336.8 | 1311.6 | 1297.6 | 1283.6 | 1275.3 | 1261.2 | 1244.4 | 1236.1 | 1222.1 | 1210.9 | 1202.6 |
| 32.5° | 1236.1 | 1219.3 | 1199.7 | 1194.1 | 1182.9 | 1169.0 | 1157.8 | 1143.7 | 1132.6 | 1121.4 | 1118.6 |
| 35° | 1143.7 | 1121.4 | 1101.8 | 1096.3 | 1087.9 | 1073.8 | 1068.2 | 1059.9 | 1045.9 | 1043.1 | 1031.9 |
| 37.5° | 1043.1 | 1031.9 | 1009.5 | 1001.1 | 998.3 | 987.2 | 976.0 | 970.4 | 962.0 | 953.7 | 950.9 |
| 40° | 948.1 | 934.0 | 922.8 | 914.5 | 908.9 | 900.5 | 889.3 | 886.5 | 881.0 | 869.7 | 866.9 |
| 42.5° | 858.5 | 844.6 | 833.4 | 830.6 | 822.2 | 813.7 | 808.2 | 799.8 | 797.0 | 794.2 | 788.6 |
| 45° | 771.9 | 763.5 | 752.3 | 749.4 | 746.6 | 735.5 | 729.9 | 724.3 | 718.7 | 715.9 | 710.3 |
| 47.5° | 693.6 | 685.2 | 676.7 | 673.9 | 668.3 | 665.6 | 657.2 | 654.4 | 646.0 | 643.2 | 640.4 |
| 50° | 618.1 | 612.4 | 606.8 | 604.0 | 598.4 | 595.6 | 590.1 | 584.5 | 578.9 | 576.1 | 573.3 |
| 52.5° | 550.9 | 545.3 | 539.7 | 536.9 | 534.1 | 528.5 | 522.9 | 517.4 | 514.6 | 511.8 | 509.0 |
| 55° | 486.5 | 481.0 | 478.2 | 475.4 | 472.6 | 469.8 | 461.4 | 458.6 | 455.8 | 453.0 | 447.5 |
| 57.5° | 427.9 | 422.2 | 416.6 | 416.6 | 413.9 | 411.1 | 405.5 | 399.9 | 399.9 | 394.3 | 388.7 |
| 60° | 374.8 | 369.2 | 363.6 | 360.8 | 357.9 | 352.3 | 349.5 | 346.7 | 343.9 | 341.2 | 335.6 |
| 62.5° | 318.8 | 316.0 | 310.4 | 310.4 | 304.9 | 302.1 | 299.3 | 296.5 | 293.7 | 288.0 | 285.2 |
| 65° | 271.2 | 268.5 | 262.9 | 260.1 | 260.1 | 257.3 | 251.7 | 248.9 | 246.1 | 246.1 | 243.3 |
| 67.5° | 226.6 | 223.7 | 218.1 | 215.3 | 215.3 | 212.5 | 209.7 | 209.7 | 206.9 | 204.1 | 206.9 |
| 70° | 187.4 | 181.8 | 181.8 | 179.0 | 179.0 | 176.2 | 173.4 | 173.4 | 173.4 | 176.2 | 176.2 |
| 72.5° | 148.2 | 145.4 | 142.6 | 142.6 | 142.6 | 142.6 | 139.8 | 139.8 | 142.6 | 145.4 | 145.4 |
| 75° | 117.5 | 114.7 | 114.7 | 114.7 | 111.9 | 111.9 | 114.7 | 114.7 | 117.5 | 117.5 | 117.5 |
| 77.5° | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 89.5 | 89.5 | 92.2 | 92.2 | 92.2 |
| 80° | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 69.9 |
| 82.5° | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 47.6 | 47.6 | 47.6 | 47.6 |
| 85° | 25.1 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 |
| 87.5° | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 |
| 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: P584862

CATALOG NUMBER: HCC8S50D010MW-HM82555927-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 | 2061.1 |
| 2.5° | 2019.1 | 2019.1 | 2019.1 | 2021.9 | 2016.3 | 2016.3 | 2016.3 | 2016.3 |
| 5° | 1971.5 | 1968.7 | 1965.9 | 1968.7 | 1963.2 | 1963.2 | 1960.4 | 1960.4 |
| 7.5° | 1912.8 | 1910.0 | 1907.2 | 1907.2 | 1901.6 | 1901.6 | 1898.8 | 1896.0 |
| 10° | 1848.5 | 1842.9 | 1845.7 | 1840.1 | 1837.3 | 1834.5 | 1831.7 | 1828.9 |
| 12.5° | 1778.6 | 1773.0 | 1770.2 | 1764.6 | 1759.0 | 1756.2 | 1759.0 | 1753.4 |
| 15° | 1703.1 | 1694.7 | 1691.9 | 1686.3 | 1680.7 | 1677.9 | 1677.9 | 1675.1 |
| 17.5° | 1619.2 | 1613.6 | 1610.8 | 1605.2 | 1602.5 | 1596.9 | 1594.0 | 1591.2 |
| 20° | 1540.9 | 1526.9 | 1529.8 | 1524.1 | 1521.3 | 1510.1 | 1510.1 | 1512.9 |
| 22.5° | 1454.2 | 1445.8 | 1440.2 | 1434.6 | 1431.8 | 1426.2 | 1426.2 | 1423.4 |
| 25° | 1367.5 | 1359.1 | 1356.3 | 1350.8 | 1348.0 | 1342.4 | 1339.6 | 1339.6 |
| 27.5° | 1283.6 | 1272.5 | 1272.5 | 1266.8 | 1261.2 | 1258.4 | 1255.6 | 1252.8 |
| 30° | 1194.1 | 1185.7 | 1182.9 | 1182.9 | 1180.1 | 1180.1 | 1171.7 | 1174.5 |
| 32.5° | 1110.2 | 1104.6 | 1101.8 | 1096.3 | 1096.3 | 1093.5 | 1093.5 | 1085.1 |
| 35° | 1026.4 | 1018.0 | 1020.8 | 1015.2 | 1012.4 | 1009.5 | 1012.4 | 1009.5 |
| 37.5° | 945.3 | 939.6 | 939.6 | 934.0 | 934.0 | 931.2 | 928.4 | 934.0 |
| 40° | 864.1 | 861.3 | 858.5 | 855.7 | 858.5 | 855.7 | 850.1 | 852.9 |
| 42.5° | 783.0 | 783.0 | 780.2 | 780.2 | 777.4 | 777.4 | 777.4 | 777.4 |
| 45° | 710.3 | 707.5 | 707.5 | 704.7 | 704.7 | 704.7 | 704.7 | 702.0 |
| 47.5° | 637.6 | 634.8 | 634.8 | 634.8 | 632.0 | 632.0 | 629.3 | 632.0 |
| 50° | 567.7 | 567.7 | 564.9 | 564.9 | 567.7 | 564.9 | 562.1 | 562.1 |
| 52.5° | 503.4 | 503.4 | 500.6 | 500.6 | 497.8 | 495.0 | 497.8 | 497.8 |
| 55° | 444.7 | 441.9 | 439.1 | 439.1 | 436.3 | 433.5 | 433.5 | 436.3 |
| 57.5° | 388.7 | 385.9 | 383.1 | 383.1 | 377.6 | 374.8 | 374.8 | 374.8 |
| 60° | 335.6 | 330.0 | 330.0 | 327.2 | 327.2 | 324.4 | 324.4 | 324.4 |
| 62.5° | 285.2 | 282.4 | 282.4 | 282.4 | 282.4 | 279.6 | 279.6 | 279.6 |
| 65° | 243.3 | 243.3 | 243.3 | 246.1 | 246.1 | 248.9 | 248.9 | 248.9 |
| 67.5° | 209.7 | 212.5 | 212.5 | 212.5 | 215.3 | 215.3 | 215.3 | 212.5 |
| 70° | 179.0 | 179.0 | 179.0 | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 |
| 72.5° | 148.2 | 148.2 | 148.2 | 148.2 | 148.2 | 148.2 | 148.2 | 148.2 |
| 75° | 117.5 | 120.3 | 120.3 | 120.3 | 117.5 | 120.3 | 120.3 | 117.5 |
| 77.5° | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 80° | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| 82.5° | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| 85° | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 |
| 87.5° | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Classified
Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



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

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(END OF REPORT)