

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: P584385

Luminaire Tested: **HCC8W35D010SL-HM82555827-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W35D010SL-HM82555827-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

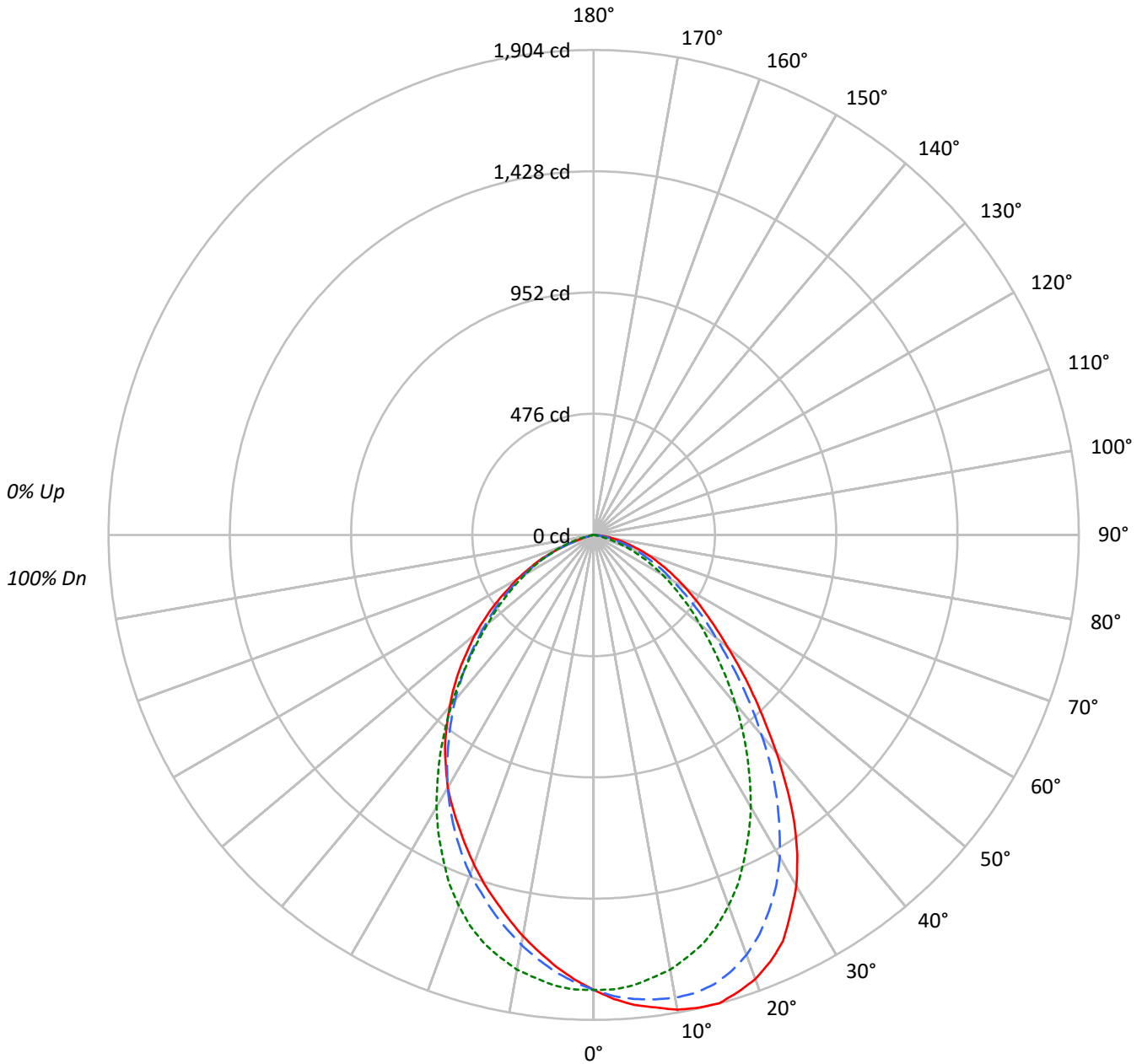
Lumens per Lamp: N/A
Luminaire Lumens: 3326.9 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P584385
CATALOG NUMBER: HCC8W35D010SL-HM82555827-81WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P584385

CATALOG NUMBER: HCC8W35D010SL-HM82555827-81WWBB

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 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | | 88 | | | |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | | | 77 | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 71 | 77 | 73 | 69 | 67 | | | | | 67 | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 70 | 65 | 61 | 59 | | | | | 59 | | | |
| 5 | 82 | 70 | 63 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 53 | | | | | 53 | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 58 | 53 | 49 | 47 | | | | | 47 | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | | 43 | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | | | 39 | | | |
| 9 | 62 | 50 | 43 | 37 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | 35 | | | |
| 10 | 59 | 47 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | 32 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 55077 | 55077 | 55077 |
| 5° | 57352 | 54956 | 52644 |
| 10° | 59267 | 54254 | 50074 |
| 15° | 60771 | 53016 | 47474 |
| 20° | 60889 | 50815 | 45118 |
| 25° | 59862 | 47600 | 42782 |
| 30° | 56657 | 43921 | 40780 |
| 35° | 51659 | 39496 | 38292 |
| 40° | 44919 | 34824 | 35359 |
| 45° | 38533 | 30156 | 32367 |
| 50° | 32914 | 26001 | 29076 |
| 55° | 28848 | 22392 | 25263 |
| 60° | 25687 | 19100 | 21240 |
| 65° | 22787 | 15585 | 16950 |
| 70° | 20223 | 11558 | 9620 |
| 75° | 16859 | 6041 | 2871 |
| 80° | 13283 | 1900 | 462 |
| 85° | 9447 | 920 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 168.3 | 5.1 |
| 10°-20° | 471.7 | 14.2 |
| 20°-30° | 667.7 | 20.1 |
| 30°-40° | 698.5 | 21.0 |
| 40°-50° | 582.6 | 17.5 |
| 50°-60° | 413.1 | 12.4 |
| 60°-70° | 238.0 | 7.2 |
| 70°-80° | 76.6 | 2.3 |
| 80°-90° | 10.5 | 0.3 |
| 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° | 1307.7 | 39.3 |
| 0°-40° | 2006.2 | 60.3 |
| 0°-60° | 3001.9 | 90.2 |
| 0°-90° | 3326.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3326.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1786 | 1786 | 1786 | 1786 | 1786 | |
| 5° | 1853 | 1829 | 1775 | 1722 | 1701 | 178 |
| 15° | 1904 | 1826 | 1661 | 1530 | 1487 | 535 |
| 25° | 1759 | 1629 | 1399 | 1287 | 1257 | 803 |
| 35° | 1372 | 1252 | 1049 | 993 | 1017 | 851 |
| 45° | 884 | 812 | 692 | 700 | 742 | 685 |
| 55° | 537 | 480 | 416 | 438 | 470 | 485 |
| 65° | 312 | 262 | 214 | 214 | 232 | 312 |
| 75° | 142 | 104 | 51 | 24 | 24 | 153 |
| 85° | 27 | 13 | 3 | 0 | 0 | 33 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P584385

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 |
| 2.5° | 1823.5 | 1820.8 | 1818.1 | 1820.8 | 1818.1 | 1820.8 | 1818.1 | 1818.1 | 1815.4 | 1812.8 | 1812.8 |
| 5° | 1852.8 | 1850.2 | 1850.2 | 1850.2 | 1847.6 | 1844.8 | 1844.8 | 1842.2 | 1836.8 | 1834.1 | 1828.9 |
| 7.5° | 1871.5 | 1874.2 | 1874.2 | 1874.2 | 1868.9 | 1868.9 | 1863.5 | 1858.2 | 1852.8 | 1847.6 | 1839.5 |
| 10° | 1892.8 | 1892.8 | 1890.2 | 1887.6 | 1882.2 | 1879.5 | 1876.9 | 1871.5 | 1863.5 | 1852.8 | 1844.8 |
| 12.5° | 1900.9 | 1900.9 | 1898.2 | 1892.8 | 1890.2 | 1887.6 | 1884.9 | 1876.9 | 1866.2 | 1852.8 | 1842.2 |
| 15° | 1903.6 | 1898.2 | 1895.6 | 1892.8 | 1887.6 | 1879.5 | 1879.5 | 1868.9 | 1855.5 | 1839.5 | 1826.1 |
| 17.5° | 1882.2 | 1884.9 | 1879.5 | 1874.2 | 1866.2 | 1860.9 | 1852.8 | 1844.8 | 1828.9 | 1810.2 | 1796.8 |
| 20° | 1855.5 | 1852.8 | 1850.2 | 1842.2 | 1831.5 | 1828.9 | 1820.8 | 1807.4 | 1794.1 | 1772.8 | 1754.1 |
| 22.5° | 1812.8 | 1810.2 | 1804.8 | 1799.4 | 1788.7 | 1783.5 | 1775.4 | 1759.4 | 1740.7 | 1719.4 | 1698.0 |
| 25° | 1759.4 | 1754.1 | 1746.1 | 1735.4 | 1727.4 | 1722.0 | 1711.3 | 1695.3 | 1674.0 | 1649.9 | 1628.6 |
| 27.5° | 1674.0 | 1682.0 | 1676.6 | 1660.7 | 1652.6 | 1642.0 | 1639.2 | 1617.9 | 1599.2 | 1575.1 | 1551.2 |
| 30° | 1591.2 | 1591.2 | 1583.2 | 1575.1 | 1561.8 | 1553.8 | 1543.1 | 1527.1 | 1508.4 | 1479.1 | 1460.4 |
| 32.5° | 1487.1 | 1484.4 | 1473.8 | 1471.0 | 1460.4 | 1444.3 | 1441.7 | 1420.3 | 1401.7 | 1380.3 | 1356.3 |
| 35° | 1372.3 | 1366.9 | 1356.3 | 1348.2 | 1343.0 | 1334.9 | 1326.9 | 1308.2 | 1289.5 | 1268.2 | 1252.1 |
| 37.5° | 1241.5 | 1241.5 | 1238.7 | 1225.4 | 1220.0 | 1214.8 | 1206.7 | 1188.1 | 1177.4 | 1156.1 | 1140.0 |
| 40° | 1115.9 | 1113.3 | 1105.3 | 1102.6 | 1097.2 | 1089.2 | 1084.0 | 1073.3 | 1057.2 | 1041.2 | 1025.2 |
| 42.5° | 993.1 | 995.8 | 985.1 | 987.9 | 977.1 | 971.8 | 969.2 | 953.1 | 945.1 | 929.0 | 915.8 |
| 45° | 883.6 | 881.0 | 875.7 | 873.0 | 867.7 | 862.3 | 857.0 | 849.0 | 835.6 | 819.7 | 811.6 |
| 47.5° | 782.3 | 774.3 | 774.3 | 771.6 | 768.9 | 758.2 | 755.6 | 747.6 | 739.5 | 723.5 | 712.8 |
| 50° | 686.1 | 686.1 | 686.1 | 683.5 | 675.4 | 672.8 | 667.4 | 659.5 | 651.5 | 640.8 | 624.8 |
| 52.5° | 608.7 | 608.7 | 608.7 | 606.1 | 595.4 | 592.7 | 590.0 | 579.4 | 568.7 | 560.7 | 550.0 |
| 55° | 536.6 | 539.3 | 536.6 | 531.3 | 523.3 | 523.3 | 515.3 | 510.0 | 499.2 | 491.3 | 480.5 |
| 57.5° | 475.2 | 475.2 | 469.9 | 467.2 | 461.8 | 459.2 | 453.9 | 448.5 | 435.2 | 427.2 | 413.8 |
| 60° | 416.5 | 413.8 | 413.8 | 408.5 | 403.1 | 397.9 | 395.1 | 387.1 | 381.8 | 368.4 | 357.7 |
| 62.5° | 363.1 | 363.1 | 357.7 | 357.7 | 347.1 | 347.1 | 344.4 | 336.4 | 328.4 | 315.1 | 309.7 |
| 65° | 312.3 | 312.3 | 309.7 | 307.0 | 299.0 | 296.4 | 293.6 | 285.7 | 277.7 | 269.7 | 261.6 |
| 67.5° | 267.0 | 267.0 | 261.6 | 259.0 | 253.6 | 251.0 | 245.6 | 240.3 | 232.3 | 224.3 | 216.2 |
| 70° | 224.3 | 221.6 | 218.9 | 216.2 | 211.0 | 208.2 | 202.9 | 197.6 | 189.5 | 184.3 | 176.2 |
| 72.5° | 181.5 | 181.5 | 178.9 | 173.6 | 170.8 | 168.2 | 165.6 | 160.2 | 152.1 | 144.1 | 138.8 |
| 75° | 141.5 | 141.5 | 141.5 | 136.2 | 130.8 | 128.2 | 128.2 | 122.8 | 117.5 | 109.5 | 104.1 |
| 77.5° | 109.5 | 106.7 | 104.1 | 104.1 | 98.8 | 96.1 | 93.4 | 90.8 | 82.8 | 80.1 | 74.8 |
| 80° | 74.8 | 77.4 | 74.8 | 72.1 | 69.4 | 66.7 | 66.7 | 61.5 | 58.7 | 53.4 | 48.0 |
| 82.5° | 50.7 | 48.0 | 48.0 | 45.4 | 45.4 | 42.8 | 42.8 | 37.4 | 34.7 | 32.0 | 29.4 |
| 85° | 26.7 | 26.7 | 24.1 | 24.1 | 24.1 | 21.3 | 21.3 | 18.7 | 18.7 | 16.1 | 13.3 |
| 87.5° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 5.4 | 5.4 | 5.4 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 |
| 2.5° | 1810.2 | 1804.8 | 1802.2 | 1802.2 | 1799.4 | 1796.8 | 1794.1 | 1791.5 | 1786.1 | 1786.1 | 1780.7 |
| 5° | 1823.5 | 1818.1 | 1815.4 | 1807.4 | 1802.2 | 1802.2 | 1791.5 | 1788.7 | 1780.7 | 1775.4 | 1770.0 |
| 7.5° | 1834.1 | 1823.5 | 1815.4 | 1807.4 | 1802.2 | 1796.8 | 1786.1 | 1775.4 | 1764.8 | 1754.1 | 1748.7 |
| 10° | 1834.1 | 1823.5 | 1810.2 | 1796.8 | 1791.5 | 1786.1 | 1772.8 | 1756.7 | 1743.3 | 1732.7 | 1719.4 |
| 12.5° | 1828.9 | 1812.8 | 1796.8 | 1786.1 | 1775.4 | 1767.4 | 1751.4 | 1735.4 | 1719.4 | 1698.0 | 1687.3 |
| 15° | 1812.8 | 1791.5 | 1775.4 | 1756.7 | 1748.7 | 1735.4 | 1722.0 | 1698.0 | 1679.4 | 1660.7 | 1647.2 |
| 17.5° | 1780.7 | 1754.1 | 1735.4 | 1716.7 | 1703.3 | 1695.3 | 1674.0 | 1652.6 | 1631.2 | 1609.9 | 1593.8 |
| 20° | 1732.7 | 1708.7 | 1687.3 | 1663.3 | 1652.6 | 1642.0 | 1615.3 | 1593.8 | 1572.5 | 1548.5 | 1532.5 |
| 22.5° | 1674.0 | 1649.9 | 1620.5 | 1601.8 | 1585.9 | 1572.5 | 1548.5 | 1524.5 | 1503.1 | 1481.7 | 1460.4 |
| 25° | 1601.8 | 1577.9 | 1551.2 | 1521.8 | 1511.2 | 1497.7 | 1471.0 | 1447.1 | 1423.0 | 1399.0 | 1380.3 |
| 27.5° | 1524.5 | 1492.5 | 1471.0 | 1439.0 | 1428.4 | 1415.0 | 1385.6 | 1358.9 | 1337.6 | 1318.9 | 1297.6 |
| 30° | 1431.0 | 1406.9 | 1377.6 | 1348.2 | 1337.6 | 1324.3 | 1300.2 | 1276.1 | 1254.8 | 1233.5 | 1212.1 |
| 32.5° | 1329.5 | 1305.6 | 1276.1 | 1254.8 | 1238.7 | 1228.1 | 1204.1 | 1182.7 | 1161.3 | 1140.0 | 1121.3 |
| 35° | 1222.8 | 1196.1 | 1174.8 | 1153.3 | 1140.0 | 1126.6 | 1102.6 | 1084.0 | 1067.9 | 1049.2 | 1030.5 |
| 37.5° | 1113.3 | 1094.6 | 1073.3 | 1049.2 | 1035.9 | 1025.2 | 1006.6 | 985.1 | 971.8 | 955.8 | 942.5 |
| 40° | 1006.6 | 985.1 | 966.4 | 945.1 | 934.4 | 926.4 | 907.7 | 891.7 | 878.4 | 865.1 | 857.0 |
| 42.5° | 897.1 | 878.4 | 859.7 | 846.4 | 838.4 | 830.3 | 816.9 | 798.2 | 790.3 | 776.9 | 768.9 |
| 45° | 795.6 | 779.5 | 766.2 | 747.6 | 742.2 | 736.9 | 720.8 | 707.5 | 699.5 | 691.5 | 686.1 |
| 47.5° | 699.5 | 688.8 | 672.8 | 662.1 | 654.1 | 648.7 | 638.1 | 627.4 | 619.4 | 614.1 | 608.7 |
| 50° | 616.7 | 603.4 | 592.7 | 582.0 | 576.7 | 568.7 | 558.0 | 552.6 | 547.4 | 542.0 | 542.0 |
| 52.5° | 539.3 | 525.9 | 515.3 | 507.2 | 502.0 | 496.6 | 488.5 | 485.9 | 480.5 | 480.5 | 477.9 |
| 55° | 467.2 | 459.2 | 448.5 | 437.9 | 435.2 | 432.5 | 427.2 | 421.8 | 419.2 | 416.5 | 419.2 |
| 57.5° | 405.8 | 397.9 | 387.1 | 379.2 | 376.4 | 373.8 | 371.1 | 365.7 | 363.1 | 363.1 | 363.1 |
| 60° | 349.7 | 341.8 | 333.8 | 325.7 | 325.7 | 320.3 | 317.7 | 315.1 | 312.3 | 309.7 | 309.7 |
| 62.5° | 299.0 | 291.0 | 283.0 | 277.7 | 274.9 | 272.3 | 267.0 | 264.3 | 261.6 | 261.6 | 259.0 |
| 65° | 253.6 | 243.0 | 240.3 | 232.3 | 229.7 | 226.9 | 224.3 | 218.9 | 216.2 | 213.6 | 211.0 |
| 67.5° | 208.2 | 202.9 | 194.9 | 189.5 | 186.9 | 184.3 | 181.5 | 176.2 | 173.6 | 170.8 | 165.6 |
| 70° | 168.2 | 162.8 | 157.5 | 152.1 | 149.5 | 146.9 | 141.5 | 136.2 | 133.5 | 128.2 | 120.2 |
| 72.5° | 130.8 | 125.4 | 120.2 | 114.8 | 112.1 | 109.5 | 104.1 | 98.8 | 93.4 | 88.1 | 82.8 |
| 75° | 98.8 | 93.4 | 85.4 | 80.1 | 77.4 | 77.4 | 69.4 | 64.1 | 58.7 | 50.7 | 45.4 |
| 77.5° | 69.4 | 61.5 | 58.7 | 53.4 | 50.7 | 45.4 | 40.0 | 34.7 | 29.4 | 26.7 | 21.3 |
| 80° | 45.4 | 40.0 | 34.7 | 32.0 | 29.4 | 26.7 | 24.1 | 18.7 | 13.3 | 10.7 | 8.0 |
| 82.5° | 26.7 | 24.1 | 21.3 | 18.7 | 16.1 | 13.3 | 10.7 | 10.7 | 8.0 | 5.4 | 2.6 |
| 85° | 13.3 | 10.7 | 8.0 | 8.0 | 5.4 | 5.4 | 5.4 | 2.6 | 2.6 | 2.6 | 2.6 |
| 87.5° | 5.4 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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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CATALOG NUMBER: HCC8W35D010SL-HM82555827-81WWBB

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 |
| 2.5° | 1778.1 | 1775.4 | 1772.8 | 1770.0 | 1770.0 | 1764.8 | 1764.8 | 1762.0 | 1756.7 | 1754.1 | 1754.1 |
| 5° | 1762.0 | 1754.1 | 1748.7 | 1746.1 | 1743.3 | 1735.4 | 1732.7 | 1727.4 | 1722.0 | 1716.7 | 1714.0 |
| 7.5° | 1738.1 | 1724.6 | 1719.4 | 1716.7 | 1708.7 | 1700.7 | 1695.3 | 1687.3 | 1679.4 | 1671.3 | 1668.6 |
| 10° | 1708.7 | 1695.3 | 1682.0 | 1676.6 | 1668.6 | 1663.3 | 1652.6 | 1642.0 | 1634.0 | 1625.9 | 1617.9 |
| 12.5° | 1671.3 | 1655.3 | 1642.0 | 1636.6 | 1628.6 | 1617.9 | 1601.8 | 1596.6 | 1583.2 | 1577.9 | 1567.2 |
| 15° | 1628.6 | 1609.9 | 1596.6 | 1588.5 | 1580.5 | 1564.5 | 1553.8 | 1543.1 | 1529.8 | 1524.5 | 1513.8 |
| 17.5° | 1575.1 | 1553.8 | 1540.5 | 1532.5 | 1527.1 | 1513.8 | 1497.7 | 1484.4 | 1471.0 | 1465.8 | 1457.7 |
| 20° | 1511.2 | 1497.7 | 1479.1 | 1471.0 | 1465.8 | 1449.7 | 1433.6 | 1428.4 | 1417.7 | 1406.9 | 1399.0 |
| 22.5° | 1439.0 | 1425.6 | 1406.9 | 1399.0 | 1396.3 | 1383.0 | 1369.6 | 1361.6 | 1353.6 | 1345.6 | 1337.6 |
| 25° | 1364.3 | 1348.2 | 1332.2 | 1326.9 | 1321.5 | 1310.9 | 1300.2 | 1294.8 | 1286.9 | 1281.5 | 1276.1 |
| 27.5° | 1284.1 | 1268.2 | 1254.8 | 1246.8 | 1241.5 | 1233.5 | 1228.1 | 1222.8 | 1217.4 | 1212.1 | 1209.4 |
| 30° | 1198.7 | 1182.7 | 1172.0 | 1166.7 | 1161.3 | 1158.7 | 1150.7 | 1148.0 | 1145.3 | 1140.0 | 1142.7 |
| 32.5° | 1113.3 | 1100.0 | 1089.2 | 1081.3 | 1081.3 | 1075.9 | 1073.3 | 1073.3 | 1070.5 | 1070.5 | 1070.5 |
| 35° | 1019.9 | 1011.8 | 1003.8 | 1001.2 | 998.5 | 995.8 | 993.1 | 995.8 | 993.1 | 995.8 | 998.5 |
| 37.5° | 934.4 | 926.4 | 921.0 | 918.4 | 915.8 | 918.4 | 915.8 | 915.8 | 918.4 | 923.8 | 926.4 |
| 40° | 846.4 | 841.0 | 835.6 | 838.4 | 835.6 | 835.6 | 835.6 | 843.6 | 846.4 | 849.0 | 851.7 |
| 42.5° | 763.6 | 758.2 | 755.6 | 755.6 | 758.2 | 755.6 | 760.8 | 763.6 | 768.9 | 776.9 | 782.3 |
| 45° | 683.5 | 680.8 | 680.8 | 683.5 | 680.8 | 686.1 | 686.1 | 691.5 | 699.5 | 704.8 | 710.2 |
| 47.5° | 608.7 | 608.7 | 608.7 | 611.3 | 611.3 | 614.1 | 619.4 | 622.1 | 627.4 | 632.8 | 638.1 |
| 50° | 539.3 | 542.0 | 544.6 | 544.6 | 544.6 | 550.0 | 555.3 | 558.0 | 560.7 | 563.3 | 571.3 |
| 52.5° | 477.9 | 480.5 | 480.5 | 483.3 | 485.9 | 488.5 | 491.3 | 496.6 | 499.2 | 504.6 | 507.2 |
| 55° | 419.2 | 419.2 | 424.5 | 427.2 | 427.2 | 427.2 | 432.5 | 432.5 | 437.9 | 440.5 | 445.9 |
| 57.5° | 363.1 | 365.7 | 365.7 | 368.4 | 368.4 | 371.1 | 373.8 | 376.4 | 379.2 | 381.8 | 384.4 |
| 60° | 309.7 | 309.7 | 309.7 | 312.3 | 315.1 | 317.7 | 315.1 | 320.3 | 320.3 | 325.7 | 328.4 |
| 62.5° | 259.0 | 261.6 | 261.6 | 261.6 | 261.6 | 261.6 | 261.6 | 264.3 | 267.0 | 269.7 | 272.3 |
| 65° | 211.0 | 211.0 | 211.0 | 208.2 | 211.0 | 208.2 | 211.0 | 213.6 | 213.6 | 216.2 | 218.9 |
| 67.5° | 162.8 | 162.8 | 157.5 | 157.5 | 160.2 | 160.2 | 160.2 | 160.2 | 157.5 | 162.8 | 162.8 |
| 70° | 117.5 | 114.8 | 112.1 | 109.5 | 109.5 | 106.7 | 106.7 | 104.1 | 104.1 | 104.1 | 104.1 |
| 72.5° | 77.4 | 72.1 | 66.7 | 64.1 | 61.5 | 61.5 | 56.1 | 53.4 | 56.1 | 56.1 | 56.1 |
| 75° | 40.0 | 34.7 | 32.0 | 29.4 | 26.7 | 26.7 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 |
| 77.5° | 16.1 | 13.3 | 10.7 | 10.7 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 80° | 5.4 | 5.4 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 82.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 85° | 2.6 | 0.0 | 0.0 | 2.6 | 0.0 | 2.6 | 2.6 | 2.6 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P584385

CATALOG NUMBER: HCC8W35D010SL-HM82555827-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 | 1786.1 |
| 2.5° | 1751.4 | 1751.4 | 1748.7 | 1751.4 | 1746.1 | 1748.7 | 1746.1 | 1746.1 |
| 5° | 1711.3 | 1706.0 | 1706.0 | 1706.0 | 1703.3 | 1703.3 | 1700.7 | 1700.7 |
| 7.5° | 1663.3 | 1660.7 | 1657.9 | 1655.3 | 1652.6 | 1649.9 | 1649.9 | 1649.9 |
| 10° | 1615.3 | 1609.9 | 1609.9 | 1607.2 | 1601.8 | 1599.2 | 1599.2 | 1599.2 |
| 12.5° | 1559.2 | 1556.4 | 1553.8 | 1553.8 | 1543.1 | 1545.8 | 1543.1 | 1543.1 |
| 15° | 1505.8 | 1503.1 | 1503.1 | 1495.1 | 1489.7 | 1489.7 | 1489.7 | 1487.1 |
| 17.5° | 1449.7 | 1447.1 | 1444.3 | 1439.0 | 1433.6 | 1433.6 | 1431.0 | 1433.6 |
| 20° | 1391.0 | 1388.2 | 1383.0 | 1383.0 | 1380.3 | 1377.6 | 1372.3 | 1374.9 |
| 22.5° | 1332.2 | 1326.9 | 1324.3 | 1324.3 | 1321.5 | 1321.5 | 1316.2 | 1316.2 |
| 25° | 1270.8 | 1268.2 | 1265.4 | 1268.2 | 1262.8 | 1262.8 | 1257.4 | 1257.4 |
| 27.5° | 1206.7 | 1204.1 | 1204.1 | 1204.1 | 1201.4 | 1204.1 | 1201.4 | 1201.4 |
| 30° | 1142.7 | 1142.7 | 1140.0 | 1140.0 | 1142.7 | 1140.0 | 1142.7 | 1145.3 |
| 32.5° | 1073.3 | 1073.3 | 1075.9 | 1075.9 | 1078.6 | 1078.6 | 1078.6 | 1078.6 |
| 35° | 1001.2 | 1006.6 | 1006.6 | 1009.2 | 1011.8 | 1014.5 | 1014.5 | 1017.2 |
| 37.5° | 934.4 | 937.1 | 939.7 | 942.5 | 947.7 | 947.7 | 947.7 | 947.7 |
| 40° | 862.3 | 865.1 | 870.3 | 867.7 | 878.4 | 881.0 | 878.4 | 878.4 |
| 42.5° | 787.6 | 793.0 | 795.6 | 801.0 | 803.6 | 809.0 | 811.6 | 811.6 |
| 45° | 718.2 | 720.8 | 726.2 | 731.5 | 734.3 | 742.2 | 742.2 | 742.2 |
| 47.5° | 646.1 | 651.5 | 654.1 | 659.5 | 662.1 | 670.2 | 672.8 | 670.2 |
| 50° | 576.7 | 582.0 | 587.4 | 587.4 | 595.4 | 598.0 | 603.4 | 606.1 |
| 52.5° | 510.0 | 512.6 | 517.9 | 520.7 | 525.9 | 531.3 | 533.9 | 536.6 |
| 55° | 445.9 | 448.5 | 453.9 | 453.9 | 461.8 | 464.6 | 469.9 | 469.9 |
| 57.5° | 387.1 | 389.8 | 395.1 | 392.5 | 397.9 | 403.1 | 403.1 | 400.5 |
| 60° | 331.0 | 331.0 | 331.0 | 336.4 | 339.0 | 341.8 | 344.4 | 344.4 |
| 62.5° | 272.3 | 277.7 | 280.3 | 280.3 | 283.0 | 285.7 | 285.7 | 283.0 |
| 65° | 218.9 | 224.3 | 226.9 | 226.9 | 229.7 | 229.7 | 229.7 | 232.3 |
| 67.5° | 165.6 | 165.6 | 165.6 | 168.2 | 165.6 | 165.6 | 165.6 | 165.6 |
| 70° | 104.1 | 104.1 | 104.1 | 104.1 | 101.5 | 104.1 | 104.1 | 106.7 |
| 72.5° | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| 75° | 24.1 | 24.1 | 24.1 | 26.7 | 24.1 | 24.1 | 24.1 | 24.1 |
| 77.5° | 10.7 | 8.0 | 10.7 | 10.7 | 8.0 | 8.0 | 8.0 | 8.0 |
| 80° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 82.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 85° | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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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