

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: P593664

Luminaire Tested: **HCC8S30D010MW-HM82555850-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S30D010MW-HM82555850-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

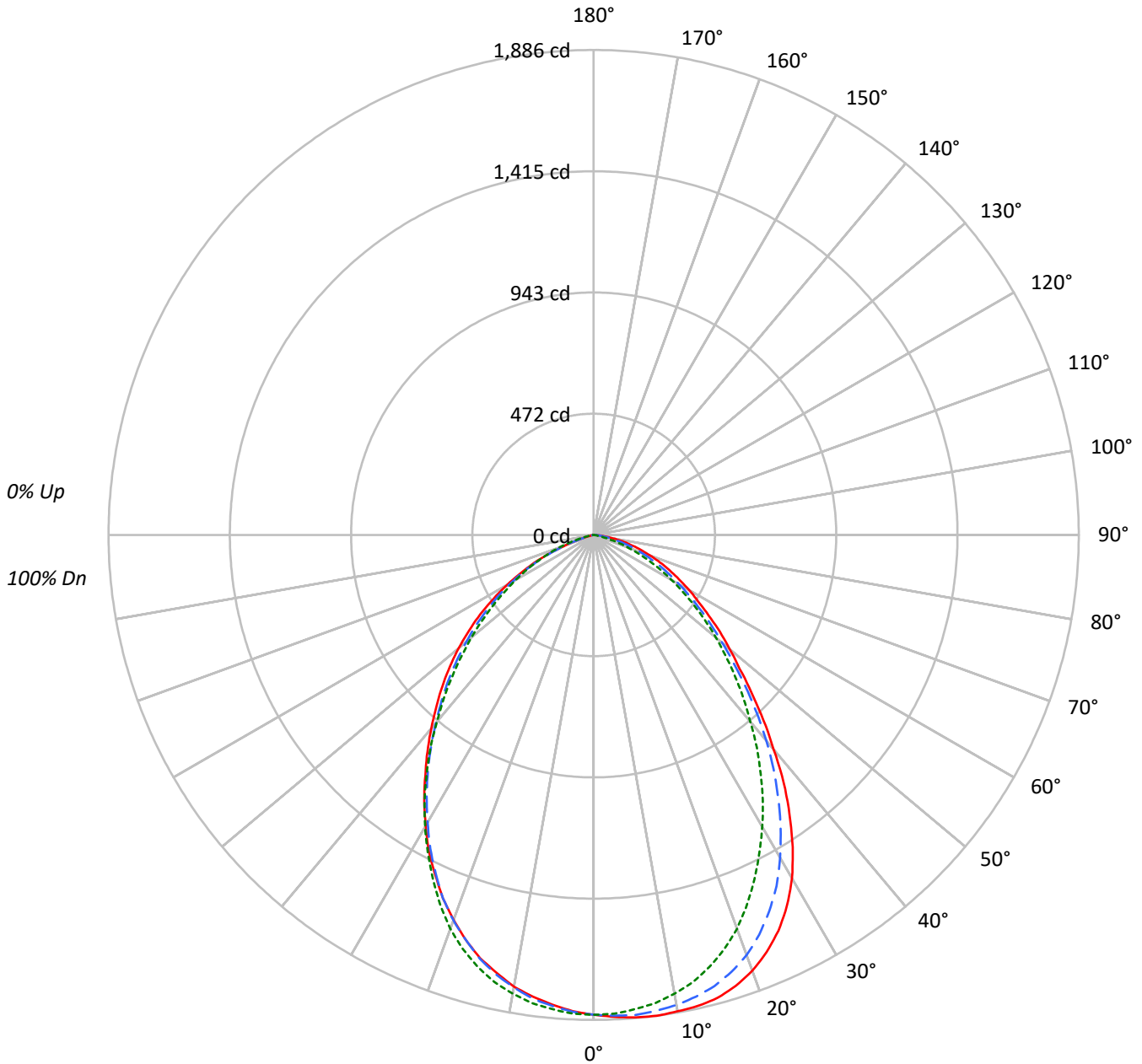
Lumens per Lamp: N/A
Luminaire Lumens: 3547.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P593664
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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 | | | | | | | | | 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 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | | | | | | | | | | | | | | | | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 91 | 86 | 82 | 87 | 84 | 81 | 84 | 82 | 79 | 77 | | | | | | | | | | | | | | | | | | | |
| 3 | 95 | 86 | 79 | 73 | 93 | 84 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 70 | 76 | 73 | 69 | 67 | | | | | | | | | | | | | | | | | | | |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 69 | 65 | 61 | 59 | | | | | | | | | | | | | | | | | | | |
| 5 | 81 | 70 | 62 | 56 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | | | | | | | | | | | | | | | | | | |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | | | | | | | | | | | | | | | | | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 | | | | | | | | | | | | | | | | | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 38 | | | | | | | | | | | | | | | | | | | |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | | | | | | | | | | | | | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 57550 | 57550 | 57550 |
| 5° | 58308 | 57308 | 56767 |
| 10° | 58904 | 56719 | 55864 |
| 15° | 59500 | 55526 | 54408 |
| 20° | 59199 | 53473 | 52249 |
| 25° | 57817 | 50274 | 49594 |
| 30° | 54920 | 46666 | 46488 |
| 35° | 49995 | 42583 | 42960 |
| 40° | 43833 | 38112 | 39521 |
| 45° | 37813 | 33902 | 36292 |
| 50° | 33111 | 29762 | 32871 |
| 55° | 29332 | 25590 | 28940 |
| 60° | 26427 | 21518 | 23972 |
| 65° | 23816 | 17271 | 18365 |
| 70° | 20890 | 12586 | 10107 |
| 75° | 17812 | 6529 | 2681 |
| 80° | 13727 | 1776 | 444 |
| 85° | 8845 | 0 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 176.1 | 5.0 |
| 10°-20° | 495.0 | 14.0 |
| 20°-30° | 702.6 | 19.8 |
| 30°-40° | 739.6 | 20.9 |
| 40°-50° | 629.2 | 17.7 |
| 50°-60° | 454.6 | 12.8 |
| 60°-70° | 258.6 | 7.3 |
| 70°-80° | 81.5 | 2.3 |
| 80°-90° | 9.9 | 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° | 1373.7 | 38.7 |
| 0°-40° | 2113.2 | 59.6 |
| 0°-60° | 3197.0 | 90.1 |
| 0°-90° | 3547.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3547.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1866 | 1866 | 1866 | 1866 | 1866 | |
| 5° | 1884 | 1874 | 1851 | 1839 | 1834 | 180 |
| 15° | 1864 | 1816 | 1739 | 1707 | 1704 | 525 |
| 25° | 1699 | 1615 | 1478 | 1453 | 1458 | 778 |
| 35° | 1328 | 1251 | 1131 | 1124 | 1141 | 826 |
| 45° | 867 | 835 | 777 | 797 | 832 | 674 |
| 55° | 546 | 506 | 476 | 503 | 538 | 492 |
| 65° | 326 | 282 | 237 | 234 | 252 | 324 |
| 75° | 150 | 115 | 55 | 25 | 22 | 161 |
| 85° | 25 | 15 | 0 | 0 | 0 | 32 |
| 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° | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 |
| 2.5° | 1876.2 | 1878.7 | 1873.7 | 1873.7 | 1878.7 | 1873.7 | 1876.2 | 1876.2 | 1873.7 | 1873.7 | 1871.2 |
| 5° | 1883.7 | 1881.2 | 1881.2 | 1881.2 | 1883.7 | 1878.7 | 1876.2 | 1878.7 | 1873.7 | 1873.7 | 1873.7 |
| 7.5° | 1886.2 | 1886.2 | 1883.7 | 1881.2 | 1881.2 | 1881.2 | 1878.7 | 1876.2 | 1873.7 | 1868.8 | 1866.3 |
| 10° | 1881.2 | 1881.2 | 1883.7 | 1878.7 | 1878.7 | 1873.7 | 1873.7 | 1868.8 | 1868.8 | 1863.8 | 1856.3 |
| 12.5° | 1876.2 | 1873.7 | 1873.7 | 1868.8 | 1868.8 | 1863.8 | 1863.8 | 1856.3 | 1853.9 | 1846.4 | 1838.9 |
| 15° | 1863.8 | 1861.3 | 1856.3 | 1853.9 | 1851.4 | 1848.9 | 1843.9 | 1841.4 | 1833.9 | 1823.9 | 1816.4 |
| 17.5° | 1838.9 | 1836.4 | 1833.9 | 1828.9 | 1823.9 | 1821.4 | 1818.9 | 1811.4 | 1801.5 | 1794.1 | 1781.6 |
| 20° | 1804.0 | 1801.5 | 1801.5 | 1794.1 | 1791.6 | 1784.1 | 1781.6 | 1771.6 | 1764.1 | 1749.1 | 1739.3 |
| 22.5° | 1756.6 | 1759.1 | 1754.1 | 1749.1 | 1744.1 | 1736.8 | 1731.8 | 1721.8 | 1709.3 | 1694.3 | 1682.0 |
| 25° | 1699.3 | 1701.8 | 1696.8 | 1691.8 | 1684.3 | 1679.5 | 1674.5 | 1659.5 | 1647.0 | 1629.5 | 1614.7 |
| 27.5° | 1627.0 | 1627.0 | 1627.0 | 1622.2 | 1609.7 | 1607.2 | 1602.2 | 1587.2 | 1569.7 | 1554.9 | 1539.9 |
| 30° | 1542.4 | 1539.9 | 1539.9 | 1532.4 | 1527.4 | 1517.4 | 1510.0 | 1497.5 | 1485.1 | 1467.6 | 1450.2 |
| 32.5° | 1440.2 | 1442.7 | 1435.2 | 1430.2 | 1422.8 | 1422.8 | 1412.8 | 1402.8 | 1387.9 | 1370.4 | 1353.0 |
| 35° | 1328.1 | 1330.6 | 1325.6 | 1323.1 | 1310.6 | 1308.1 | 1305.6 | 1293.2 | 1283.3 | 1270.8 | 1250.8 |
| 37.5° | 1213.5 | 1211.0 | 1208.5 | 1208.5 | 1201.0 | 1196.0 | 1191.0 | 1183.5 | 1168.7 | 1158.7 | 1148.7 |
| 40° | 1088.9 | 1088.9 | 1088.9 | 1086.4 | 1083.9 | 1078.9 | 1076.4 | 1071.4 | 1061.4 | 1051.6 | 1044.1 |
| 42.5° | 976.8 | 976.8 | 974.3 | 971.8 | 966.8 | 969.3 | 964.3 | 959.3 | 949.3 | 941.8 | 936.9 |
| 45° | 867.1 | 867.1 | 867.1 | 869.6 | 864.6 | 857.2 | 857.2 | 852.2 | 847.2 | 842.2 | 834.7 |
| 47.5° | 770.0 | 777.4 | 772.4 | 770.0 | 772.4 | 762.5 | 762.5 | 757.5 | 752.5 | 747.5 | 737.5 |
| 50° | 690.2 | 690.2 | 690.2 | 685.2 | 682.7 | 682.7 | 675.2 | 670.2 | 667.7 | 662.7 | 652.9 |
| 52.5° | 617.9 | 612.9 | 612.9 | 610.4 | 607.9 | 602.9 | 602.9 | 598.1 | 588.1 | 583.1 | 575.6 |
| 55° | 545.6 | 545.6 | 543.1 | 540.8 | 538.3 | 535.8 | 533.3 | 525.8 | 520.8 | 513.3 | 505.8 |
| 57.5° | 481.0 | 485.8 | 483.4 | 478.5 | 473.5 | 473.5 | 468.5 | 463.5 | 456.0 | 448.5 | 441.0 |
| 60° | 428.5 | 426.1 | 426.1 | 423.6 | 418.6 | 416.2 | 413.7 | 406.2 | 398.7 | 391.2 | 383.7 |
| 62.5° | 373.7 | 373.7 | 373.7 | 368.8 | 363.8 | 361.3 | 358.8 | 353.8 | 343.9 | 336.4 | 331.4 |
| 65° | 326.4 | 323.9 | 321.4 | 318.9 | 316.4 | 311.5 | 309.0 | 304.0 | 296.5 | 289.0 | 281.6 |
| 67.5° | 279.1 | 276.6 | 276.6 | 274.1 | 266.6 | 264.1 | 264.1 | 256.7 | 249.2 | 241.7 | 234.2 |
| 70° | 231.7 | 231.7 | 231.7 | 226.7 | 224.2 | 221.7 | 219.3 | 214.3 | 206.8 | 199.4 | 191.9 |
| 72.5° | 191.9 | 189.4 | 189.4 | 186.9 | 179.4 | 176.9 | 174.4 | 169.4 | 161.9 | 156.9 | 152.0 |
| 75° | 149.5 | 149.5 | 147.0 | 144.5 | 142.1 | 139.6 | 137.1 | 132.1 | 124.6 | 117.1 | 114.6 |
| 77.5° | 114.6 | 112.1 | 112.1 | 109.6 | 104.6 | 102.1 | 102.1 | 97.1 | 89.7 | 84.8 | 79.8 |
| 80° | 77.3 | 79.8 | 77.3 | 74.8 | 72.3 | 69.8 | 67.3 | 64.8 | 59.8 | 54.8 | 49.8 |
| 82.5° | 47.3 | 49.8 | 47.3 | 47.3 | 44.8 | 42.3 | 42.3 | 37.3 | 34.8 | 32.3 | 29.8 |
| 85° | 25.0 | 25.0 | 25.0 | 25.0 | 22.5 | 22.5 | 22.5 | 20.0 | 17.5 | 15.0 | 15.0 |
| 87.5° | 7.5 | 10.0 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 5.0 | 5.0 | 5.0 |
| 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° | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 |
| 2.5° | 1873.7 | 1871.2 | 1868.8 | 1868.8 | 1868.8 | 1868.8 | 1868.8 | 1866.3 | 1863.8 | 1863.8 | 1863.8 |
| 5° | 1868.8 | 1868.8 | 1868.8 | 1866.3 | 1863.8 | 1863.8 | 1858.8 | 1856.3 | 1853.9 | 1851.4 | 1848.9 |
| 7.5° | 1863.8 | 1858.8 | 1856.3 | 1853.9 | 1851.4 | 1851.4 | 1846.4 | 1841.4 | 1841.4 | 1836.4 | 1831.4 |
| 10° | 1848.9 | 1846.4 | 1841.4 | 1836.4 | 1833.9 | 1831.4 | 1826.4 | 1818.9 | 1816.4 | 1811.4 | 1806.4 |
| 12.5° | 1831.4 | 1826.4 | 1821.4 | 1811.4 | 1808.9 | 1806.4 | 1796.6 | 1789.1 | 1784.1 | 1781.6 | 1769.1 |
| 15° | 1808.9 | 1799.0 | 1791.6 | 1779.1 | 1776.6 | 1771.6 | 1764.1 | 1756.6 | 1746.6 | 1739.3 | 1734.3 |
| 17.5° | 1769.1 | 1759.1 | 1746.6 | 1734.3 | 1729.3 | 1729.3 | 1716.8 | 1706.8 | 1694.3 | 1689.3 | 1679.5 |
| 20° | 1721.8 | 1709.3 | 1699.3 | 1684.3 | 1677.0 | 1669.5 | 1662.0 | 1647.0 | 1637.0 | 1629.5 | 1617.2 |
| 22.5° | 1667.0 | 1649.5 | 1637.0 | 1622.2 | 1609.7 | 1602.2 | 1589.7 | 1577.2 | 1564.8 | 1557.4 | 1547.4 |
| 25° | 1597.2 | 1582.2 | 1562.3 | 1547.4 | 1539.9 | 1529.9 | 1514.9 | 1502.5 | 1490.1 | 1477.6 | 1472.6 |
| 27.5° | 1519.9 | 1500.0 | 1482.6 | 1465.1 | 1457.6 | 1450.2 | 1432.7 | 1417.8 | 1407.8 | 1395.4 | 1390.4 |
| 30° | 1435.2 | 1415.3 | 1395.4 | 1380.4 | 1372.9 | 1360.5 | 1350.5 | 1333.1 | 1320.6 | 1310.6 | 1298.2 |
| 32.5° | 1338.1 | 1323.1 | 1305.6 | 1283.3 | 1278.3 | 1268.3 | 1253.3 | 1245.8 | 1230.9 | 1223.5 | 1213.5 |
| 35° | 1233.3 | 1223.5 | 1206.0 | 1188.5 | 1181.0 | 1176.0 | 1163.7 | 1148.7 | 1138.7 | 1131.2 | 1126.2 |
| 37.5° | 1133.7 | 1121.2 | 1103.9 | 1091.4 | 1086.4 | 1078.9 | 1063.9 | 1056.4 | 1046.6 | 1041.6 | 1031.6 |
| 40° | 1026.6 | 1014.1 | 1001.6 | 994.2 | 986.8 | 981.8 | 971.8 | 964.3 | 954.3 | 946.8 | 944.3 |
| 42.5° | 922.0 | 914.5 | 904.5 | 894.5 | 892.0 | 884.6 | 879.6 | 872.1 | 864.6 | 862.1 | 854.7 |
| 45° | 827.3 | 819.8 | 809.8 | 799.8 | 797.3 | 792.3 | 789.9 | 782.4 | 777.4 | 777.4 | 777.4 |
| 47.5° | 732.5 | 725.1 | 715.1 | 710.2 | 712.7 | 702.7 | 702.7 | 700.2 | 695.2 | 695.2 | 697.7 |
| 50° | 647.9 | 637.9 | 635.4 | 630.4 | 625.4 | 620.4 | 622.9 | 615.4 | 615.4 | 620.4 | 617.9 |
| 52.5° | 568.1 | 558.1 | 555.6 | 550.6 | 548.1 | 548.1 | 545.6 | 545.6 | 543.1 | 545.6 | 545.6 |
| 55° | 495.8 | 488.3 | 483.4 | 478.5 | 476.0 | 476.0 | 476.0 | 473.5 | 471.0 | 476.0 | 478.5 |
| 57.5° | 431.0 | 428.5 | 423.6 | 416.2 | 413.7 | 411.2 | 408.7 | 408.7 | 408.7 | 408.7 | 411.2 |
| 60° | 373.7 | 368.8 | 363.8 | 356.3 | 356.3 | 353.8 | 351.3 | 348.9 | 348.9 | 348.9 | 348.9 |
| 62.5° | 323.9 | 316.4 | 309.0 | 304.0 | 301.5 | 299.0 | 296.5 | 291.5 | 291.5 | 291.5 | 291.5 |
| 65° | 274.1 | 266.6 | 261.6 | 256.7 | 251.7 | 251.7 | 246.7 | 244.2 | 239.2 | 236.7 | 231.7 |
| 67.5° | 226.7 | 221.7 | 216.8 | 209.3 | 206.8 | 204.3 | 199.4 | 196.9 | 189.4 | 186.9 | 184.4 |
| 70° | 184.4 | 176.9 | 171.9 | 166.9 | 164.4 | 159.4 | 154.5 | 149.5 | 144.5 | 139.6 | 134.6 |
| 72.5° | 144.5 | 137.1 | 132.1 | 127.1 | 122.1 | 122.1 | 114.6 | 109.6 | 102.1 | 97.1 | 89.7 |
| 75° | 107.1 | 99.6 | 94.6 | 87.2 | 84.8 | 82.3 | 74.8 | 69.8 | 62.3 | 54.8 | 49.8 |
| 77.5° | 72.3 | 67.3 | 62.3 | 54.8 | 49.8 | 49.8 | 42.3 | 37.3 | 32.3 | 25.0 | 22.5 |
| 80° | 44.8 | 39.8 | 34.8 | 29.8 | 29.8 | 25.0 | 22.5 | 17.5 | 12.5 | 10.0 | 7.5 |
| 82.5° | 25.0 | 22.5 | 20.0 | 15.0 | 15.0 | 12.5 | 10.0 | 7.5 | 5.0 | 2.5 | 2.5 |
| 85° | 12.5 | 10.0 | 7.5 | 7.5 | 5.0 | 5.0 | 5.0 | 2.5 | 2.5 | 0.0 | 0.0 |
| 87.5° | 5.0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 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 |



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CATALOG NUMBER: HCC8S30D010MW-HM82555850-81RWWC

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 |
| 2.5° | 1861.3 | 1861.3 | 1858.8 | 1858.8 | 1858.8 | 1856.3 | 1858.8 | 1856.3 | 1856.3 | 1856.3 | 1858.8 |
| 5° | 1851.4 | 1846.4 | 1846.4 | 1843.9 | 1843.9 | 1841.4 | 1843.9 | 1841.4 | 1838.9 | 1836.4 | 1838.9 |
| 7.5° | 1831.4 | 1826.4 | 1823.9 | 1821.4 | 1821.4 | 1821.4 | 1818.9 | 1816.4 | 1818.9 | 1811.4 | 1816.4 |
| 10° | 1804.0 | 1801.5 | 1796.6 | 1794.1 | 1791.6 | 1794.1 | 1791.6 | 1786.6 | 1786.6 | 1786.6 | 1784.1 |
| 12.5° | 1769.1 | 1764.1 | 1761.6 | 1759.1 | 1754.1 | 1754.1 | 1756.6 | 1751.6 | 1751.6 | 1746.6 | 1746.6 |
| 15° | 1726.8 | 1721.8 | 1716.8 | 1716.8 | 1711.8 | 1711.8 | 1709.3 | 1709.3 | 1706.8 | 1704.3 | 1704.3 |
| 17.5° | 1674.5 | 1667.0 | 1662.0 | 1664.5 | 1662.0 | 1659.5 | 1659.5 | 1654.5 | 1652.0 | 1654.5 | 1654.5 |
| 20° | 1612.2 | 1607.2 | 1602.2 | 1604.7 | 1599.7 | 1597.2 | 1599.7 | 1592.2 | 1594.7 | 1594.7 | 1594.7 |
| 22.5° | 1542.4 | 1539.9 | 1532.4 | 1532.4 | 1527.4 | 1524.9 | 1527.4 | 1527.4 | 1529.9 | 1527.4 | 1527.4 |
| 25° | 1465.1 | 1460.1 | 1455.2 | 1455.2 | 1452.7 | 1450.2 | 1452.7 | 1455.2 | 1452.7 | 1455.2 | 1455.2 |
| 27.5° | 1382.9 | 1375.4 | 1375.4 | 1370.4 | 1370.4 | 1372.9 | 1370.4 | 1372.9 | 1375.4 | 1375.4 | 1380.4 |
| 30° | 1293.2 | 1290.7 | 1288.2 | 1285.7 | 1285.7 | 1288.2 | 1288.2 | 1288.2 | 1290.7 | 1295.7 | 1295.7 |
| 32.5° | 1208.5 | 1203.5 | 1198.5 | 1198.5 | 1203.5 | 1201.0 | 1203.5 | 1203.5 | 1208.5 | 1208.5 | 1213.5 |
| 35° | 1116.2 | 1116.2 | 1111.4 | 1113.7 | 1113.7 | 1113.7 | 1113.7 | 1118.7 | 1123.7 | 1126.2 | 1131.2 |
| 37.5° | 1031.6 | 1024.1 | 1026.6 | 1026.6 | 1029.1 | 1026.6 | 1034.1 | 1034.1 | 1039.1 | 1039.1 | 1044.1 |
| 40° | 939.4 | 939.4 | 941.8 | 939.4 | 941.8 | 941.8 | 946.8 | 951.8 | 954.3 | 959.3 | 961.8 |
| 42.5° | 852.2 | 857.2 | 852.2 | 854.7 | 857.2 | 859.6 | 862.1 | 864.6 | 874.6 | 879.6 | 887.0 |
| 45° | 772.4 | 774.9 | 777.4 | 779.9 | 777.4 | 782.4 | 784.9 | 789.9 | 797.3 | 799.8 | 802.3 |
| 47.5° | 695.2 | 697.7 | 700.2 | 702.7 | 702.7 | 707.7 | 710.2 | 715.1 | 720.1 | 722.6 | 725.1 |
| 50° | 620.4 | 625.4 | 627.9 | 627.9 | 630.4 | 635.4 | 640.4 | 640.4 | 645.4 | 652.9 | 655.4 |
| 52.5° | 553.1 | 553.1 | 558.1 | 560.6 | 563.1 | 563.1 | 570.6 | 573.1 | 575.6 | 580.6 | 585.6 |
| 55° | 478.5 | 485.8 | 488.3 | 488.3 | 493.3 | 498.3 | 500.8 | 503.3 | 503.3 | 513.3 | 513.3 |
| 57.5° | 413.7 | 416.2 | 421.1 | 421.1 | 421.1 | 428.5 | 428.5 | 433.5 | 436.0 | 438.5 | 443.5 |
| 60° | 348.9 | 353.8 | 353.8 | 356.3 | 353.8 | 358.8 | 361.3 | 366.3 | 368.8 | 371.2 | 373.7 |
| 62.5° | 289.0 | 289.0 | 291.5 | 291.5 | 291.5 | 291.5 | 296.5 | 296.5 | 301.5 | 304.0 | 306.5 |
| 65° | 231.7 | 231.7 | 231.7 | 231.7 | 231.7 | 231.7 | 231.7 | 231.7 | 234.2 | 234.2 | 239.2 |
| 67.5° | 179.4 | 176.9 | 171.9 | 174.4 | 171.9 | 171.9 | 169.4 | 169.4 | 171.9 | 171.9 | 176.9 |
| 70° | 129.6 | 127.1 | 122.1 | 122.1 | 119.6 | 117.1 | 114.6 | 112.1 | 109.6 | 109.6 | 109.6 |
| 72.5° | 84.8 | 79.8 | 72.3 | 69.8 | 69.8 | 64.8 | 59.8 | 57.3 | 57.3 | 57.3 | 57.3 |
| 75° | 42.3 | 37.3 | 32.3 | 29.8 | 29.8 | 25.0 | 27.5 | 25.0 | 25.0 | 25.0 | 25.0 |
| 77.5° | 17.5 | 12.5 | 10.0 | 10.0 | 10.0 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 80° | 5.0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 82.5° | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 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 |

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



TEST NUMBER: P593664

CATALOG NUMBER: HCC8S30D010MW-HM82555850-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 | 1866.3 |
| 2.5° | 1856.3 | 1856.3 | 1851.4 | 1853.9 | 1853.9 | 1853.9 | 1853.9 | 1853.9 |
| 5° | 1833.9 | 1836.4 | 1833.9 | 1836.4 | 1836.4 | 1833.9 | 1833.9 | 1833.9 |
| 7.5° | 1811.4 | 1813.9 | 1811.4 | 1813.9 | 1813.9 | 1813.9 | 1811.4 | 1811.4 |
| 10° | 1784.1 | 1784.1 | 1784.1 | 1784.1 | 1784.1 | 1781.6 | 1784.1 | 1784.1 |
| 12.5° | 1746.6 | 1746.6 | 1746.6 | 1749.1 | 1749.1 | 1746.6 | 1746.6 | 1744.1 |
| 15° | 1706.8 | 1701.8 | 1704.3 | 1706.8 | 1704.3 | 1704.3 | 1704.3 | 1704.3 |
| 17.5° | 1652.0 | 1654.5 | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1654.5 | 1652.0 |
| 20° | 1594.7 | 1594.7 | 1597.2 | 1594.7 | 1594.7 | 1594.7 | 1594.7 | 1592.2 |
| 22.5° | 1529.9 | 1527.4 | 1527.4 | 1529.9 | 1529.9 | 1527.4 | 1529.9 | 1529.9 |
| 25° | 1457.6 | 1460.1 | 1457.6 | 1457.6 | 1460.1 | 1460.1 | 1460.1 | 1457.6 |
| 27.5° | 1380.4 | 1382.9 | 1385.4 | 1382.9 | 1382.9 | 1382.9 | 1385.4 | 1387.9 |
| 30° | 1300.6 | 1305.6 | 1300.6 | 1300.6 | 1305.6 | 1303.1 | 1305.6 | 1305.6 |
| 32.5° | 1216.0 | 1223.5 | 1218.5 | 1223.5 | 1223.5 | 1226.0 | 1223.5 | 1226.0 |
| 35° | 1131.2 | 1138.7 | 1138.7 | 1138.7 | 1141.2 | 1143.7 | 1143.7 | 1141.2 |
| 37.5° | 1051.6 | 1054.0 | 1054.0 | 1058.9 | 1061.4 | 1063.9 | 1063.9 | 1061.4 |
| 40° | 969.3 | 974.3 | 976.8 | 976.8 | 976.8 | 981.8 | 986.8 | 981.8 |
| 42.5° | 889.5 | 892.0 | 894.5 | 894.5 | 899.5 | 902.0 | 904.5 | 904.5 |
| 45° | 812.3 | 817.3 | 819.8 | 822.3 | 824.8 | 829.7 | 827.3 | 832.2 |
| 47.5° | 732.5 | 740.0 | 742.5 | 745.0 | 750.0 | 752.5 | 755.0 | 757.5 |
| 50° | 660.3 | 665.2 | 665.2 | 670.2 | 677.7 | 677.7 | 682.7 | 685.2 |
| 52.5° | 588.1 | 590.6 | 593.1 | 595.6 | 600.4 | 605.4 | 605.4 | 610.4 |
| 55° | 518.3 | 520.8 | 520.8 | 523.3 | 525.8 | 535.8 | 538.3 | 538.3 |
| 57.5° | 446.0 | 446.0 | 451.0 | 453.5 | 456.0 | 461.0 | 461.0 | 461.0 |
| 60° | 376.2 | 378.7 | 378.7 | 381.2 | 383.7 | 388.7 | 391.2 | 388.7 |
| 62.5° | 306.5 | 309.0 | 309.0 | 311.5 | 316.4 | 318.9 | 316.4 | 316.4 |
| 65° | 241.7 | 244.2 | 244.2 | 246.7 | 251.7 | 251.7 | 249.2 | 251.7 |
| 67.5° | 176.9 | 176.9 | 176.9 | 176.9 | 176.9 | 176.9 | 176.9 | 176.9 |
| 70° | 112.1 | 109.6 | 107.1 | 109.6 | 109.6 | 109.6 | 107.1 | 112.1 |
| 72.5° | 54.8 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 54.8 |
| 75° | 25.0 | 25.0 | 22.5 | 22.5 | 22.5 | 25.0 | 25.0 | 22.5 |
| 77.5° | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 80° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 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
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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)