

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: P584294

Luminaire Tested: **HCC8S30D010MW-HM82555840-81RWWH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S30D010MW-HM82555840-81RWWH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

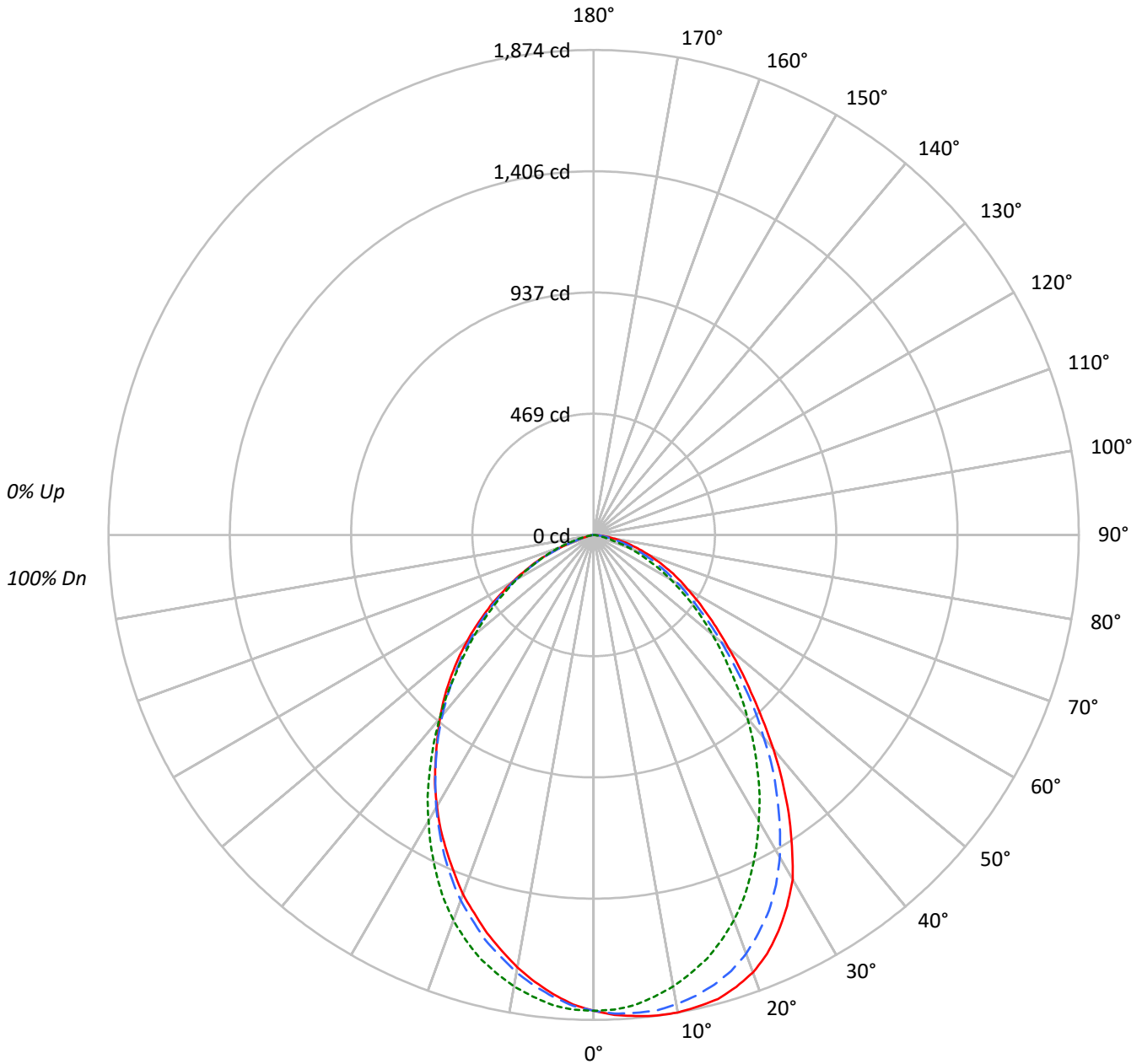
Lumens per Lamp: N/A
Luminaire Lumens: 3447.4 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): 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: P584294
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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 | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | | 88 | | | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 80 | 84 | 81 | 79 | 77 | | | | | 77 | | | |
| 3 | 95 | 86 | 79 | 73 | 92 | 84 | 78 | 73 | 81 | 76 | 71 | 79 | 74 | 70 | 76 | 72 | 69 | 67 | | | | | 67 | | | |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 63 | 74 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 59 | | | | | 59 | | | |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 62 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | | | | 52 | | | |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 54 | 49 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | | | | | 47 | | | |
| 7 | 71 | 58 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 49 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 | | | | | 42 | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 38 | | | | | 38 | | | |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 35 | | | | | 35 | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | 32 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 56705 | 56705 | 56705 |
| 5° | 57773 | 56457 | 55148 |
| 10° | 58669 | 55472 | 53133 |
| 15° | 59264 | 54092 | 50830 |
| 20° | 59038 | 52002 | 48488 |
| 25° | 57484 | 49002 | 45783 |
| 30° | 54742 | 45427 | 43120 |
| 35° | 49431 | 41461 | 40053 |
| 40° | 43430 | 37211 | 37114 |
| 45° | 37486 | 32707 | 34120 |
| 50° | 32631 | 28693 | 30602 |
| 55° | 28940 | 24918 | 26655 |
| 60° | 25816 | 21055 | 22128 |
| 65° | 23269 | 17088 | 17453 |
| 70° | 20665 | 12812 | 10332 |
| 75° | 17812 | 7423 | 4444 |
| 80° | 13727 | 2664 | 1332 |
| 85° | 8845 | 885 | 885 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 172.6 | 5.0 |
| 10°-20° | 480.6 | 13.9 |
| 20°-30° | 679.7 | 19.7 |
| 30°-40° | 716.2 | 20.8 |
| 40°-50° | 608.7 | 17.7 |
| 50°-60° | 438.3 | 12.7 |
| 60°-70° | 252.8 | 7.3 |
| 70°-80° | 86.5 | 2.5 |
| 80°-90° | 11.9 | 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° | 1332.9 | 38.7 |
| 0°-40° | 2049.1 | 59.4 |
| 0°-60° | 3096.1 | 89.8 |
| 0°-90° | 3447.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3447.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1839 | 1839 | 1839 | 1839 | 1839 | |
| 5° | 1866 | 1854 | 1824 | 1792 | 1782 | 178 |
| 15° | 1856 | 1799 | 1694 | 1620 | 1592 | 523 |
| 25° | 1690 | 1602 | 1440 | 1365 | 1346 | 775 |
| 35° | 1313 | 1236 | 1101 | 1062 | 1064 | 818 |
| 45° | 860 | 820 | 750 | 755 | 782 | 668 |
| 55° | 538 | 496 | 464 | 481 | 496 | 484 |
| 65° | 319 | 274 | 234 | 229 | 239 | 317 |
| 75° | 150 | 112 | 62 | 40 | 37 | 158 |
| 85° | 25 | 15 | 2 | 2 | 2 | 34 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 |
| 2.5° | 1856.4 | 1858.9 | 1856.4 | 1856.4 | 1853.9 | 1851.4 | 1848.9 | 1846.4 | 1841.4 | 1836.4 | 1836.4 |
| 5° | 1866.4 | 1871.2 | 1866.4 | 1866.4 | 1858.9 | 1853.9 | 1848.9 | 1841.4 | 1831.4 | 1823.9 | 1823.9 |
| 7.5° | 1873.7 | 1873.7 | 1873.7 | 1866.4 | 1861.4 | 1853.9 | 1841.4 | 1828.9 | 1816.4 | 1804.1 | 1799.1 |
| 10° | 1873.7 | 1873.7 | 1871.2 | 1861.4 | 1856.4 | 1841.4 | 1828.9 | 1811.6 | 1794.1 | 1776.6 | 1771.6 |
| 12.5° | 1866.4 | 1868.9 | 1863.9 | 1853.9 | 1841.4 | 1823.9 | 1806.6 | 1784.1 | 1764.1 | 1744.3 | 1734.3 |
| 15° | 1856.4 | 1853.9 | 1848.9 | 1836.4 | 1821.4 | 1799.1 | 1781.6 | 1756.6 | 1729.3 | 1704.3 | 1694.4 |
| 17.5° | 1831.4 | 1831.4 | 1823.9 | 1811.6 | 1791.6 | 1766.6 | 1739.3 | 1711.8 | 1682.0 | 1654.5 | 1642.0 |
| 20° | 1799.1 | 1799.1 | 1789.1 | 1774.1 | 1754.3 | 1721.8 | 1691.9 | 1659.5 | 1624.6 | 1597.2 | 1584.7 |
| 22.5° | 1751.8 | 1754.3 | 1741.8 | 1724.3 | 1701.8 | 1664.5 | 1634.6 | 1594.7 | 1559.8 | 1527.4 | 1517.5 |
| 25° | 1689.5 | 1694.4 | 1682.0 | 1664.5 | 1634.6 | 1602.2 | 1564.8 | 1527.4 | 1487.6 | 1455.2 | 1440.2 |
| 27.5° | 1617.2 | 1619.7 | 1607.2 | 1589.7 | 1559.8 | 1525.0 | 1487.6 | 1447.7 | 1410.4 | 1375.4 | 1360.5 |
| 30° | 1537.4 | 1527.4 | 1522.5 | 1500.0 | 1467.7 | 1437.7 | 1395.4 | 1363.0 | 1323.1 | 1293.3 | 1275.8 |
| 32.5° | 1425.3 | 1430.2 | 1415.3 | 1397.9 | 1372.9 | 1338.1 | 1303.1 | 1265.8 | 1228.5 | 1206.0 | 1193.5 |
| 35° | 1313.1 | 1318.1 | 1310.6 | 1293.3 | 1265.8 | 1236.0 | 1201.0 | 1173.7 | 1141.2 | 1113.9 | 1101.4 |
| 37.5° | 1196.0 | 1196.0 | 1191.0 | 1181.0 | 1161.2 | 1133.7 | 1098.9 | 1071.4 | 1044.1 | 1021.6 | 1014.1 |
| 40° | 1078.9 | 1073.9 | 1071.4 | 1064.0 | 1046.6 | 1021.6 | 999.2 | 976.8 | 949.4 | 934.4 | 924.4 |
| 42.5° | 964.3 | 964.3 | 959.3 | 951.8 | 934.4 | 922.0 | 899.5 | 874.6 | 854.7 | 839.7 | 839.7 |
| 45° | 859.6 | 862.1 | 854.7 | 849.7 | 839.7 | 819.8 | 799.8 | 782.4 | 765.0 | 755.0 | 750.0 |
| 47.5° | 767.5 | 767.5 | 760.0 | 755.0 | 745.0 | 727.5 | 710.2 | 695.2 | 682.7 | 675.2 | 672.7 |
| 50° | 680.2 | 680.2 | 680.2 | 667.7 | 655.4 | 642.9 | 630.4 | 612.9 | 605.4 | 600.6 | 598.1 |
| 52.5° | 605.4 | 603.1 | 603.1 | 593.1 | 580.6 | 565.6 | 553.1 | 538.3 | 530.8 | 525.8 | 528.3 |
| 55° | 538.3 | 538.3 | 535.8 | 523.3 | 510.8 | 495.8 | 483.4 | 471.0 | 466.0 | 461.0 | 463.5 |
| 56° | 510.8 | 510.8 | 508.3 | 498.3 | 483.4 | 471.0 | 456.0 | 443.5 | 436.0 | 438.5 | 438.5 |
| 57° | 490.8 | 485.9 | 485.9 | 473.5 | 461.0 | 443.5 | 431.1 | 418.6 | 413.7 | 411.2 | 411.2 |
| 58° | 466.0 | 463.5 | 461.0 | 448.5 | 436.0 | 421.1 | 408.7 | 396.2 | 388.7 | 388.7 | 386.2 |
| 59° | 441.0 | 441.0 | 436.0 | 426.1 | 413.7 | 398.7 | 386.2 | 373.8 | 366.3 | 363.8 | 363.8 |
| 60° | 418.6 | 421.1 | 413.7 | 403.7 | 393.7 | 376.2 | 361.3 | 351.3 | 343.9 | 341.4 | 341.4 |
| 61° | 398.7 | 398.7 | 393.7 | 381.2 | 368.8 | 356.3 | 341.4 | 328.9 | 323.9 | 318.9 | 318.9 |
| 62° | 381.2 | 376.2 | 373.8 | 361.3 | 348.9 | 333.9 | 321.4 | 309.0 | 301.5 | 296.5 | 299.0 |
| 63° | 358.8 | 356.3 | 351.3 | 341.4 | 328.9 | 314.0 | 299.0 | 289.0 | 281.6 | 274.1 | 276.6 |
| 64° | 341.4 | 338.9 | 331.4 | 321.4 | 309.0 | 294.0 | 279.1 | 269.1 | 264.1 | 256.7 | 254.2 |
| 65° | 318.9 | 316.5 | 314.0 | 301.5 | 289.0 | 274.1 | 261.6 | 251.7 | 244.2 | 239.2 | 234.2 |
| 66° | 299.0 | 301.5 | 296.5 | 286.5 | 271.6 | 259.1 | 241.7 | 231.7 | 226.7 | 219.3 | 214.3 |
| 67° | 281.6 | 281.6 | 276.6 | 266.6 | 251.7 | 239.2 | 226.7 | 214.3 | 206.8 | 199.4 | 196.9 |
| 67.5° | 271.6 | 271.6 | 266.6 | 254.2 | 244.2 | 229.2 | 216.8 | 206.8 | 196.9 | 191.9 | 186.9 |
| 68° | 261.6 | 261.6 | 259.1 | 249.2 | 236.7 | 221.7 | 209.3 | 196.9 | 186.9 | 179.4 | 176.9 |
| 69° | 244.2 | 246.7 | 241.7 | 231.7 | 219.3 | 204.3 | 191.9 | 181.9 | 171.9 | 164.4 | 159.4 |
| 70° | 229.2 | 226.7 | 221.7 | 211.8 | 199.4 | 189.4 | 176.9 | 164.4 | 154.5 | 144.5 | 142.1 |
| 71° | 209.3 | 209.3 | 204.3 | 196.9 | 184.4 | 171.9 | 159.4 | 149.5 | 139.6 | 127.1 | 124.6 |
| 72° | 194.4 | 194.4 | 189.4 | 179.4 | 169.4 | 156.9 | 144.5 | 132.1 | 124.6 | 112.1 | 107.1 |
| 72.5° | 184.4 | 186.9 | 181.9 | 171.9 | 161.9 | 147.0 | 137.1 | 127.1 | 114.6 | 104.6 | 99.6 |
| 73° | 179.4 | 176.9 | 174.4 | 164.4 | 152.0 | 142.1 | 129.6 | 119.6 | 107.1 | 97.1 | 92.1 |



TEST NUMBER: P584294
 CATALOG NUMBER: HCC8S30D010MW-HM82555840-81RWWH

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------------|-------|-------|------|------|------|------|------|------|------|------|
| 77.5° | <i>112.1</i> | 112.1 | 109.6 | 99.6 | 89.7 | 79.8 | 69.8 | 59.8 | 49.8 | 39.8 | 34.8 |
| 80° | <i>77.3</i> | 79.8 | 74.8 | 69.8 | 62.3 | 52.3 | 42.3 | 34.8 | 25.0 | 20.0 | 15.0 |
| 82.5° | <i>49.8</i> | 49.8 | 47.3 | 42.3 | 37.3 | 29.8 | 25.0 | 17.5 | 12.5 | 10.0 | 7.5 |
| 85° | <i>25.0</i> | 27.5 | 25.0 | 22.5 | 17.5 | 15.0 | 12.5 | 7.5 | 5.0 | 2.5 | 2.5 |
| 87.5° | <i>10.0</i> | 10.0 | 10.0 | 7.5 | 7.5 | 5.0 | 2.5 | 2.5 | 2.5 | 0.0 | 0.0 |
| 90° | <i>0.0</i> | 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-HM82555840-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 | 1838.9 |
| 2.5° | 1831.4 | 1831.4 | 1826.4 | 1823.9 | 1821.4 | 1818.9 | 1816.4 | 1813.9 | 1813.9 | 1816.4 |
| 5° | 1816.4 | 1811.6 | 1801.6 | 1799.1 | 1791.6 | 1789.1 | 1784.1 | 1781.6 | 1784.1 | 1781.6 |
| 7.5° | 1794.1 | 1784.1 | 1771.6 | 1766.6 | 1756.6 | 1751.8 | 1744.3 | 1744.3 | 1739.3 | 1741.8 |
| 10° | 1764.1 | 1749.3 | 1734.3 | 1724.3 | 1716.8 | 1709.3 | 1704.3 | 1699.3 | 1696.9 | 1696.9 |
| 12.5° | 1726.8 | 1709.3 | 1694.4 | 1679.5 | 1667.0 | 1662.0 | 1652.0 | 1652.0 | 1647.0 | 1644.5 |
| 15° | 1684.5 | 1662.0 | 1644.5 | 1629.6 | 1619.7 | 1609.7 | 1602.2 | 1597.2 | 1592.2 | 1592.2 |
| 17.5° | 1629.6 | 1609.7 | 1592.2 | 1574.8 | 1559.8 | 1552.4 | 1544.9 | 1537.4 | 1537.4 | 1532.4 |
| 20° | 1569.8 | 1547.4 | 1532.4 | 1515.0 | 1502.5 | 1490.1 | 1480.1 | 1480.1 | 1475.1 | 1477.6 |
| 22.5° | 1502.5 | 1475.1 | 1460.2 | 1447.7 | 1435.2 | 1425.3 | 1415.3 | 1415.3 | 1412.8 | 1410.4 |
| 25° | 1427.8 | 1405.4 | 1387.9 | 1372.9 | 1365.4 | 1355.5 | 1353.1 | 1348.1 | 1345.6 | 1345.6 |
| 27.5° | 1348.1 | 1330.6 | 1308.1 | 1300.6 | 1290.8 | 1285.8 | 1285.8 | 1283.3 | 1278.3 | 1280.8 |
| 30° | 1263.3 | 1243.3 | 1231.0 | 1226.0 | 1216.0 | 1216.0 | 1213.5 | 1208.5 | 1208.5 | 1211.0 |
| 32.5° | 1181.0 | 1161.2 | 1151.2 | 1148.7 | 1138.7 | 1138.7 | 1136.2 | 1138.7 | 1138.7 | 1141.2 |
| 35° | 1091.4 | 1073.9 | 1071.4 | 1064.0 | 1061.5 | 1061.5 | 1061.5 | 1066.4 | 1071.4 | 1064.0 |
| 37.5° | 1006.7 | 994.2 | 986.8 | 984.3 | 986.8 | 986.8 | 989.2 | 996.7 | 994.2 | 991.7 |
| 40° | 919.5 | 909.5 | 904.5 | 904.5 | 909.5 | 914.5 | 914.5 | 922.0 | 924.4 | 922.0 |
| 42.5° | 832.3 | 824.8 | 824.8 | 827.3 | 832.3 | 834.8 | 842.2 | 849.7 | 852.2 | 854.7 |
| 45° | 750.0 | 750.0 | 750.0 | 752.5 | 755.0 | 760.0 | 770.0 | 777.4 | 779.9 | 782.4 |
| 47.5° | 670.2 | 667.7 | 675.2 | 677.7 | 685.2 | 687.7 | 695.2 | 705.2 | 707.7 | 710.2 |
| 50° | 595.6 | 600.6 | 603.1 | 610.4 | 615.4 | 615.4 | 625.4 | 630.4 | 637.9 | 637.9 |
| 52.5° | 525.8 | 533.3 | 535.8 | 543.3 | 545.8 | 548.1 | 553.1 | 560.6 | 565.6 | 565.6 |
| 55° | 463.5 | 466.0 | 471.0 | 473.5 | 481.0 | 483.4 | 488.4 | 490.8 | 498.3 | 495.8 |
| 56° | 436.0 | 441.0 | 443.5 | 448.5 | 453.5 | 456.0 | 461.0 | 463.5 | 468.5 | 471.0 |
| 57° | 411.2 | 413.7 | 421.1 | 423.6 | 428.6 | 428.6 | 431.1 | 438.5 | 438.5 | 441.0 |
| 58° | 386.2 | 391.2 | 393.7 | 396.2 | 401.2 | 403.7 | 408.7 | 411.2 | 413.7 | 411.2 |
| 59° | 363.8 | 366.3 | 368.8 | 368.8 | 373.8 | 373.8 | 381.2 | 386.2 | 388.7 | 388.7 |
| 60° | 341.4 | 341.4 | 343.9 | 346.4 | 351.3 | 353.8 | 353.8 | 358.8 | 358.8 | 358.8 |
| 61° | 318.9 | 318.9 | 321.4 | 323.9 | 326.4 | 326.4 | 331.4 | 331.4 | 333.9 | 336.4 |
| 62° | 299.0 | 296.5 | 296.5 | 299.0 | 299.0 | 304.0 | 306.5 | 309.0 | 311.5 | 309.0 |
| 63° | 276.6 | 274.1 | 274.1 | 274.1 | 274.1 | 279.1 | 279.1 | 281.6 | 286.5 | 284.1 |
| 64° | 251.7 | 251.7 | 251.7 | 251.7 | 254.2 | 254.2 | 259.1 | 261.6 | 264.1 | 266.6 |
| 65° | 234.2 | 229.2 | 226.7 | 226.7 | 229.2 | 231.7 | 234.2 | 236.7 | 239.2 | 239.2 |
| 66° | 214.3 | 209.3 | 206.8 | 206.8 | 206.8 | 206.8 | 211.8 | 211.8 | 216.8 | 216.8 |
| 67° | 191.9 | 186.9 | 184.4 | 181.9 | 181.9 | 181.9 | 189.4 | 186.9 | 186.9 | 186.9 |
| 67.5° | 184.4 | 176.9 | 174.4 | 171.9 | 169.4 | 174.4 | 171.9 | 174.4 | 174.4 | 171.9 |
| 68° | 174.4 | 169.4 | 164.4 | 159.4 | 159.4 | 159.4 | 161.9 | 164.4 | 161.9 | 159.4 |
| 69° | 154.5 | 152.0 | 144.5 | 139.6 | 137.1 | 139.6 | 137.1 | 139.6 | 137.1 | 139.6 |
| 70° | 137.1 | 129.6 | 122.1 | 119.6 | 117.1 | 117.1 | 117.1 | 114.6 | 117.1 | 114.6 |
| 71° | 119.6 | 112.1 | 104.6 | 99.6 | 97.1 | 97.1 | 94.6 | 97.1 | 94.6 | 97.1 |
| 72° | 102.1 | 94.6 | 84.8 | 79.8 | 79.8 | 79.8 | 79.8 | 77.3 | 79.8 | 77.3 |
| 72.5° | 94.6 | 84.8 | 77.3 | 72.3 | 69.8 | 69.8 | 69.8 | 69.8 | 67.3 | 69.8 |
| 73° | 87.2 | 77.3 | 67.3 | 64.8 | 64.8 | 64.8 | 62.3 | 59.8 | 62.3 | 62.3 |



TEST NUMBER: P584294

CATALOG NUMBER: HCC8S30D010MW-HM82555840-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 29.8 | 22.5 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 17.5 | 17.5 |
| 80° | 12.5 | 10.0 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 82.5° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 85° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 87.5° | 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 |

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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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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



| | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 74° | 161.9 | 161.9 | 156.9 | 149.5 | 137.1 | 124.6 | 114.6 | 104.6 | 92.1 | 79.8 | 74.8 |
| 75° | 149.5 | 147.0 | 142.1 | 134.6 | 124.6 | 112.1 | 102.1 | 89.7 | 79.8 | 67.3 | 62.3 |

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|-----|------|------|------|------|------|------|------|------|------|------|
| 74° | 72.3 | 59.8 | 54.8 | 49.8 | 49.8 | 49.8 | 47.3 | 47.3 | 47.3 | 49.8 |
| 75° | 57.3 | 47.3 | 42.3 | 37.3 | 39.8 | 37.3 | 39.8 | 37.3 | 37.3 | 37.3 |

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