

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: P584369

Luminaire Tested: **HCC8W30D010MB-HM82555940-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584369
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: HCC8W30D010MB-HM82555940-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

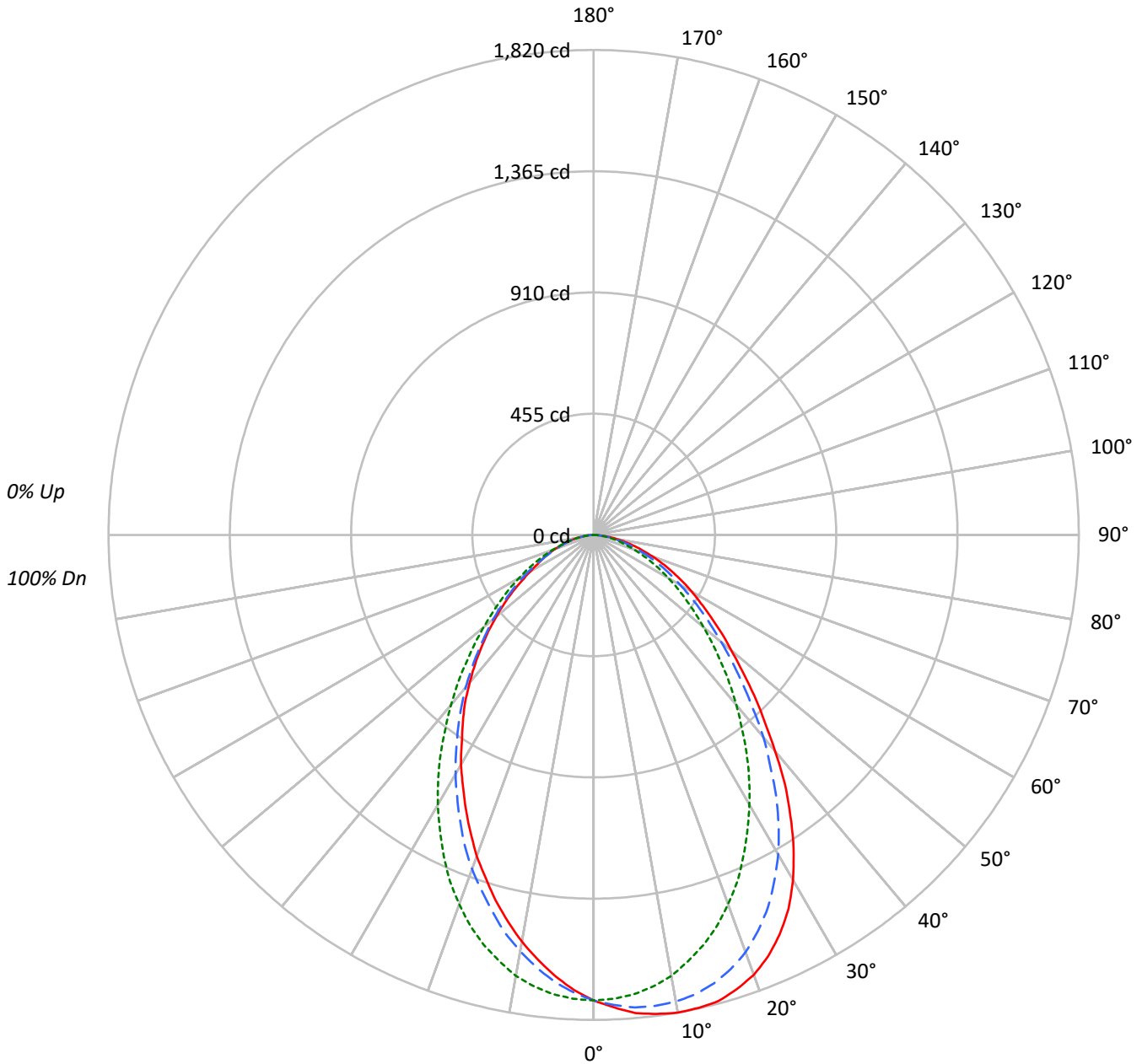
Lumens per Lamp: N/A
Luminaire Lumens: 3224.2 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P584369
CATALOG NUMBER: HCC8W30D010MB-HM82555940-81WWW

Luminous Intensity Polar Plot





TEST NUMBER: P584369

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 53871 | 53871 | 53871 |
| 5° | 55767 | 53563 | 51433 |
| 10° | 57004 | 52626 | 48540 |
| 15° | 57815 | 50852 | 45329 |
| 20° | 57640 | 48383 | 42086 |
| 25° | 56215 | 45245 | 38631 |
| 30° | 53261 | 41614 | 35446 |
| 35° | 48452 | 37655 | 32212 |
| 40° | 42561 | 33495 | 29104 |
| 45° | 37111 | 29462 | 25947 |
| 50° | 32295 | 25814 | 22854 |
| 55° | 28805 | 22687 | 19881 |
| 60° | 26174 | 19877 | 16960 |
| 65° | 23517 | 17300 | 15388 |
| 70° | 20944 | 14750 | 13894 |
| 75° | 18360 | 12427 | 11855 |
| 80° | 15574 | 10087 | 10513 |
| 85° | 11746 | 7536 | 8385 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 163.6 | 5.1 |
| 10°-20° | 450.9 | 14.0 |
| 20°-30° | 625.8 | 19.4 |
| 30°-40° | 647.0 | 20.1 |
| 40°-50° | 541.8 | 16.8 |
| 50°-60° | 393.3 | 12.2 |
| 60°-70° | 248.2 | 7.7 |
| 70°-80° | 122.9 | 3.8 |
| 80°-90° | 30.6 | 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° | 1240.3 | 38.5 |
| 0°-40° | 1887.4 | 58.5 |
| 0°-60° | 2822.5 | 87.5 |
| 0°-90° | 3224.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3224.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1747 | 1747 | 1747 | 1747 | 1747 | |
| 5° | 1802 | 1780 | 1730 | 1683 | 1662 | 172 |
| 15° | 1811 | 1742 | 1593 | 1465 | 1420 | 510 |
| 25° | 1652 | 1546 | 1330 | 1185 | 1135 | 757 |
| 35° | 1287 | 1192 | 1000 | 886 | 856 | 802 |
| 45° | 851 | 789 | 676 | 609 | 595 | 658 |
| 55° | 536 | 488 | 422 | 386 | 370 | 484 |
| 65° | 322 | 282 | 237 | 209 | 211 | 321 |
| 75° | 154 | 128 | 104 | 100 | 100 | 165 |
| 85° | 33 | 26 | 21 | 24 | 24 | 40 |
| 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° | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 |
| 2.5° | 1775.4 | 1775.4 | 1777.8 | 1775.4 | 1775.4 | 1775.4 | 1773.0 | 1773.0 | 1770.7 | 1770.7 | 1766.0 |
| 5° | 1801.6 | 1796.8 | 1801.6 | 1796.8 | 1796.8 | 1796.8 | 1794.4 | 1789.7 | 1787.3 | 1782.5 | 1780.2 |
| 7.5° | 1813.3 | 1811.0 | 1811.0 | 1808.6 | 1808.6 | 1806.2 | 1804.0 | 1801.6 | 1792.1 | 1789.7 | 1782.5 |
| 10° | 1820.5 | 1818.1 | 1818.1 | 1815.7 | 1811.0 | 1811.0 | 1806.2 | 1804.0 | 1792.1 | 1787.3 | 1777.8 |
| 12.5° | 1818.1 | 1818.1 | 1818.1 | 1815.7 | 1808.6 | 1806.2 | 1801.6 | 1794.4 | 1784.9 | 1775.4 | 1766.0 |
| 15° | 1811.0 | 1811.0 | 1806.2 | 1804.0 | 1796.8 | 1792.1 | 1789.7 | 1777.8 | 1768.3 | 1756.5 | 1742.2 |
| 17.5° | 1787.3 | 1787.3 | 1784.9 | 1780.2 | 1773.0 | 1768.3 | 1763.6 | 1751.8 | 1742.2 | 1723.3 | 1709.1 |
| 20° | 1756.5 | 1754.1 | 1751.8 | 1744.6 | 1737.5 | 1735.1 | 1728.1 | 1711.4 | 1699.6 | 1685.4 | 1666.4 |
| 22.5° | 1711.4 | 1709.1 | 1706.7 | 1701.9 | 1690.2 | 1685.4 | 1680.7 | 1668.8 | 1647.5 | 1633.2 | 1609.5 |
| 25° | 1652.2 | 1652.2 | 1647.5 | 1640.3 | 1628.5 | 1623.7 | 1616.7 | 1604.8 | 1585.8 | 1564.5 | 1545.5 |
| 27.5° | 1583.4 | 1581.1 | 1574.0 | 1569.2 | 1559.7 | 1552.6 | 1540.8 | 1526.6 | 1507.5 | 1491.0 | 1467.3 |
| 30° | 1495.8 | 1495.8 | 1491.0 | 1483.9 | 1472.0 | 1467.3 | 1457.8 | 1441.2 | 1422.3 | 1400.9 | 1384.4 |
| 32.5° | 1396.1 | 1396.1 | 1389.1 | 1384.4 | 1377.2 | 1365.3 | 1363.0 | 1344.0 | 1327.4 | 1310.9 | 1291.8 |
| 35° | 1287.1 | 1289.5 | 1284.7 | 1275.3 | 1263.4 | 1263.4 | 1258.7 | 1242.1 | 1223.1 | 1206.6 | 1192.3 |
| 37.5° | 1178.1 | 1171.0 | 1168.7 | 1163.9 | 1156.8 | 1147.3 | 1142.5 | 1135.4 | 1118.8 | 1107.0 | 1085.7 |
| 40° | 1057.3 | 1059.6 | 1054.9 | 1050.1 | 1047.7 | 1040.6 | 1038.2 | 1026.3 | 1014.6 | 1000.3 | 990.8 |
| 42.5° | 948.2 | 948.2 | 948.2 | 943.5 | 938.7 | 931.6 | 929.2 | 922.1 | 907.9 | 898.4 | 884.1 |
| 45° | 851.0 | 843.8 | 843.8 | 841.5 | 839.1 | 834.4 | 827.3 | 822.6 | 813.0 | 805.9 | 789.4 |
| 47.5° | 756.2 | 758.6 | 756.2 | 753.8 | 746.7 | 744.3 | 741.9 | 732.4 | 723.0 | 715.9 | 704.0 |
| 50° | 673.2 | 678.0 | 673.2 | 673.2 | 668.5 | 666.1 | 661.3 | 654.2 | 647.2 | 635.3 | 623.4 |
| 52.5° | 604.5 | 604.5 | 602.1 | 599.7 | 592.6 | 587.8 | 585.5 | 583.1 | 571.3 | 561.8 | 552.3 |
| 55° | 535.8 | 538.1 | 538.1 | 531.0 | 528.6 | 523.9 | 521.5 | 514.4 | 509.6 | 495.5 | 488.3 |
| 57.5° | 476.4 | 474.1 | 476.4 | 471.7 | 466.9 | 462.3 | 459.9 | 455.1 | 448.0 | 438.5 | 429.0 |
| 60° | 424.4 | 419.6 | 419.6 | 417.2 | 412.5 | 410.1 | 405.3 | 398.2 | 391.1 | 381.7 | 374.5 |
| 62.5° | 372.2 | 369.8 | 367.4 | 365.0 | 360.3 | 357.9 | 355.5 | 348.5 | 341.4 | 334.2 | 327.1 |
| 65° | 322.3 | 322.3 | 320.0 | 315.3 | 312.9 | 310.6 | 308.2 | 303.4 | 293.9 | 289.2 | 282.0 |
| 67.5° | 277.4 | 275.0 | 275.0 | 270.3 | 265.5 | 263.1 | 263.1 | 258.4 | 251.2 | 244.1 | 239.5 |
| 70° | 232.3 | 234.7 | 232.3 | 230.0 | 225.2 | 225.2 | 220.4 | 218.1 | 208.6 | 206.2 | 199.2 |
| 72.5° | 192.0 | 192.0 | 189.6 | 189.6 | 184.9 | 182.5 | 182.5 | 177.8 | 173.0 | 168.2 | 163.6 |
| 75° | 154.1 | 154.1 | 154.1 | 151.7 | 149.3 | 144.6 | 144.6 | 142.2 | 137.4 | 132.7 | 128.1 |
| 77.5° | 120.9 | 118.5 | 118.5 | 116.2 | 113.8 | 111.4 | 111.4 | 109.0 | 104.3 | 101.9 | 97.1 |
| 80° | 87.7 | 85.4 | 85.4 | 85.4 | 80.6 | 83.0 | 80.6 | 78.2 | 75.9 | 73.5 | 71.1 |
| 82.5° | 56.8 | 59.2 | 59.2 | 56.8 | 54.6 | 54.6 | 54.6 | 52.2 | 52.2 | 49.8 | 47.4 |
| 85° | 33.2 | 33.2 | 33.2 | 33.2 | 30.8 | 30.8 | 30.8 | 28.4 | 28.4 | 28.4 | 26.0 |
| 87.5° | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 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° | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 |
| 2.5° | 1766.0 | 1761.3 | 1758.9 | 1756.5 | 1756.5 | 1754.1 | 1751.8 | 1747.0 | 1747.0 | 1742.2 | 1739.9 |
| 5° | 1775.4 | 1768.3 | 1763.6 | 1758.9 | 1756.5 | 1751.8 | 1747.0 | 1739.9 | 1737.5 | 1730.4 | 1723.3 |
| 7.5° | 1777.8 | 1766.0 | 1761.3 | 1751.8 | 1747.0 | 1742.2 | 1732.7 | 1725.7 | 1716.2 | 1709.1 | 1699.6 |
| 10° | 1768.3 | 1758.9 | 1747.0 | 1735.1 | 1732.7 | 1725.7 | 1711.4 | 1701.9 | 1690.2 | 1680.7 | 1666.4 |
| 12.5° | 1754.1 | 1739.9 | 1728.1 | 1713.8 | 1706.7 | 1699.6 | 1685.4 | 1671.1 | 1654.6 | 1638.0 | 1623.7 |
| 15° | 1730.4 | 1713.8 | 1697.2 | 1680.7 | 1671.1 | 1664.0 | 1647.5 | 1630.8 | 1614.3 | 1592.9 | 1578.8 |
| 17.5° | 1694.8 | 1675.9 | 1659.2 | 1638.0 | 1628.5 | 1621.3 | 1600.0 | 1581.1 | 1559.7 | 1538.4 | 1524.2 |
| 20° | 1649.9 | 1626.1 | 1607.2 | 1583.4 | 1576.4 | 1564.5 | 1543.2 | 1521.8 | 1498.1 | 1474.4 | 1457.8 |
| 22.5° | 1590.5 | 1566.9 | 1545.5 | 1521.8 | 1509.9 | 1498.1 | 1476.7 | 1450.7 | 1427.0 | 1408.0 | 1391.5 |
| 25° | 1521.8 | 1500.5 | 1474.4 | 1453.1 | 1438.8 | 1424.7 | 1400.9 | 1379.6 | 1358.2 | 1329.8 | 1313.3 |
| 27.5° | 1445.9 | 1419.9 | 1400.9 | 1372.5 | 1358.2 | 1348.8 | 1322.6 | 1294.2 | 1275.3 | 1249.2 | 1230.3 |
| 30° | 1360.6 | 1336.9 | 1315.6 | 1287.1 | 1272.9 | 1263.4 | 1239.8 | 1213.6 | 1194.7 | 1168.7 | 1149.6 |
| 32.5° | 1270.6 | 1244.5 | 1218.4 | 1199.5 | 1182.8 | 1173.3 | 1147.3 | 1130.7 | 1107.0 | 1085.7 | 1064.3 |
| 35° | 1173.3 | 1147.3 | 1128.4 | 1102.2 | 1092.8 | 1083.3 | 1061.9 | 1040.6 | 1019.3 | 1000.3 | 983.8 |
| 37.5° | 1069.0 | 1050.1 | 1028.7 | 1009.8 | 1002.7 | 993.2 | 967.1 | 948.2 | 931.6 | 912.6 | 898.4 |
| 40° | 967.1 | 950.5 | 936.3 | 917.3 | 905.5 | 898.4 | 879.4 | 862.9 | 843.8 | 832.1 | 817.8 |
| 42.5° | 874.6 | 855.7 | 841.5 | 827.3 | 815.4 | 808.3 | 791.8 | 779.9 | 765.6 | 753.8 | 737.2 |
| 45° | 777.5 | 768.0 | 751.4 | 739.6 | 732.4 | 723.0 | 711.1 | 696.9 | 685.1 | 675.6 | 663.7 |
| 47.5° | 692.1 | 682.7 | 670.8 | 656.6 | 651.8 | 644.8 | 632.9 | 623.4 | 614.0 | 604.5 | 592.6 |
| 50° | 614.0 | 602.1 | 592.6 | 583.1 | 578.3 | 571.3 | 559.4 | 554.7 | 547.5 | 538.1 | 531.0 |
| 52.5° | 542.8 | 533.4 | 523.9 | 512.0 | 509.6 | 504.8 | 497.8 | 488.3 | 481.2 | 476.4 | 471.7 |
| 55° | 478.8 | 469.3 | 462.3 | 452.8 | 450.4 | 445.6 | 436.1 | 431.4 | 426.7 | 422.0 | 417.2 |
| 57.5° | 422.0 | 412.5 | 403.0 | 398.2 | 393.4 | 388.8 | 386.4 | 379.3 | 374.5 | 372.2 | 367.4 |
| 60° | 369.8 | 360.3 | 353.3 | 346.1 | 343.7 | 341.4 | 336.6 | 331.8 | 327.1 | 322.3 | 320.0 |
| 62.5° | 320.0 | 310.6 | 305.8 | 301.1 | 296.3 | 296.3 | 291.5 | 286.8 | 282.0 | 279.7 | 275.0 |
| 65° | 275.0 | 270.3 | 263.1 | 256.0 | 253.6 | 253.6 | 246.5 | 244.1 | 241.8 | 237.1 | 232.3 |
| 67.5° | 232.3 | 227.6 | 220.4 | 218.1 | 215.7 | 213.3 | 210.9 | 206.2 | 201.5 | 199.2 | 194.4 |
| 70° | 194.4 | 189.6 | 184.9 | 182.5 | 180.1 | 177.8 | 173.0 | 170.6 | 166.0 | 163.6 | 161.2 |
| 72.5° | 156.5 | 154.1 | 149.3 | 147.0 | 144.6 | 142.2 | 139.8 | 137.4 | 132.7 | 130.3 | 128.1 |
| 75° | 125.7 | 123.3 | 118.5 | 116.2 | 113.8 | 113.8 | 111.4 | 106.7 | 104.3 | 104.3 | 101.9 |
| 77.5° | 94.8 | 92.5 | 90.1 | 87.7 | 85.4 | 85.4 | 83.0 | 80.6 | 78.2 | 78.2 | 75.9 |
| 80° | 68.7 | 66.3 | 64.0 | 64.0 | 64.0 | 61.6 | 59.2 | 59.2 | 56.8 | 56.8 | 54.6 |
| 82.5° | 45.1 | 45.1 | 42.7 | 42.7 | 42.7 | 40.3 | 40.3 | 37.9 | 37.9 | 37.9 | 37.9 |
| 85° | 26.0 | 26.0 | 26.0 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 21.3 | 23.7 |
| 87.5° | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 9.5 | 9.5 | 9.5 |
| 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° | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 |
| 2.5° | 1737.5 | 1735.1 | 1730.4 | 1730.4 | 1725.7 | 1725.7 | 1723.3 | 1721.0 | 1718.6 | 1716.2 | 1713.8 |
| 5° | 1721.0 | 1711.4 | 1706.7 | 1704.3 | 1699.6 | 1697.2 | 1690.2 | 1685.4 | 1683.0 | 1678.3 | 1673.5 |
| 7.5° | 1690.2 | 1680.7 | 1671.1 | 1668.8 | 1666.4 | 1656.9 | 1649.9 | 1642.7 | 1638.0 | 1633.2 | 1628.5 |
| 10° | 1654.6 | 1645.1 | 1633.2 | 1628.5 | 1623.7 | 1611.9 | 1602.4 | 1595.3 | 1585.8 | 1576.4 | 1574.0 |
| 12.5° | 1611.9 | 1597.7 | 1583.4 | 1578.8 | 1571.6 | 1559.7 | 1550.2 | 1538.4 | 1531.3 | 1519.4 | 1517.0 |
| 15° | 1562.1 | 1545.5 | 1533.7 | 1521.8 | 1517.0 | 1505.3 | 1488.6 | 1479.1 | 1465.0 | 1460.2 | 1448.3 |
| 17.5° | 1502.9 | 1486.2 | 1469.7 | 1465.0 | 1457.8 | 1441.2 | 1424.7 | 1412.8 | 1398.5 | 1391.5 | 1384.4 |
| 20° | 1441.2 | 1419.9 | 1403.3 | 1398.5 | 1389.1 | 1374.8 | 1358.2 | 1346.4 | 1334.5 | 1320.4 | 1313.3 |
| 22.5° | 1370.1 | 1346.4 | 1332.2 | 1320.4 | 1318.0 | 1301.4 | 1282.5 | 1272.9 | 1263.4 | 1251.5 | 1242.1 |
| 25° | 1291.8 | 1270.6 | 1253.9 | 1244.5 | 1239.8 | 1225.5 | 1211.2 | 1199.5 | 1185.2 | 1178.1 | 1166.3 |
| 27.5° | 1211.2 | 1197.1 | 1175.7 | 1166.3 | 1159.2 | 1147.3 | 1130.7 | 1123.6 | 1109.3 | 1099.8 | 1092.8 |
| 30° | 1133.1 | 1111.7 | 1099.8 | 1088.1 | 1080.9 | 1069.0 | 1054.9 | 1047.7 | 1035.9 | 1026.3 | 1019.3 |
| 32.5° | 1047.7 | 1033.5 | 1017.0 | 1012.2 | 1002.7 | 990.8 | 981.4 | 969.5 | 960.0 | 950.5 | 948.2 |
| 35° | 969.5 | 950.5 | 934.0 | 929.2 | 922.1 | 910.3 | 905.5 | 898.4 | 886.5 | 884.1 | 874.6 |
| 37.5° | 884.1 | 874.6 | 855.7 | 848.6 | 846.2 | 836.8 | 827.3 | 822.6 | 815.4 | 808.3 | 805.9 |
| 40° | 803.5 | 791.8 | 782.2 | 775.1 | 770.4 | 763.2 | 753.8 | 751.4 | 746.7 | 737.2 | 734.8 |
| 42.5° | 727.7 | 715.9 | 706.4 | 704.0 | 696.9 | 689.7 | 685.1 | 678.0 | 675.6 | 673.2 | 668.5 |
| 45° | 654.2 | 647.2 | 637.7 | 635.3 | 632.9 | 623.4 | 618.6 | 614.0 | 609.2 | 606.9 | 602.1 |
| 47.5° | 587.8 | 580.7 | 573.7 | 571.3 | 566.6 | 564.2 | 557.0 | 554.7 | 547.5 | 545.2 | 542.8 |
| 50° | 523.9 | 519.1 | 514.4 | 512.0 | 507.2 | 504.8 | 500.2 | 495.5 | 490.7 | 488.3 | 485.9 |
| 52.5° | 466.9 | 462.3 | 457.5 | 455.1 | 452.8 | 448.0 | 443.3 | 438.5 | 436.1 | 433.7 | 431.4 |
| 55° | 412.5 | 407.7 | 405.3 | 403.0 | 400.6 | 398.2 | 391.1 | 388.8 | 386.4 | 384.0 | 379.3 |
| 57.5° | 362.6 | 357.9 | 353.3 | 353.3 | 350.9 | 348.5 | 343.7 | 339.0 | 339.0 | 334.2 | 329.5 |
| 60° | 317.6 | 312.9 | 308.2 | 305.8 | 303.4 | 298.7 | 296.3 | 293.9 | 291.5 | 289.2 | 284.4 |
| 62.5° | 270.3 | 267.9 | 263.1 | 263.1 | 258.4 | 256.0 | 253.6 | 251.2 | 248.9 | 244.1 | 241.8 |
| 65° | 230.0 | 227.6 | 222.8 | 220.4 | 220.4 | 218.1 | 213.3 | 210.9 | 208.6 | 208.6 | 206.2 |
| 67.5° | 192.0 | 189.6 | 184.9 | 182.5 | 182.5 | 180.1 | 177.8 | 177.8 | 175.4 | 173.0 | 175.4 |
| 70° | 158.9 | 154.1 | 154.1 | 151.7 | 151.7 | 149.3 | 147.0 | 147.0 | 147.0 | 149.3 | 149.3 |
| 72.5° | 125.7 | 123.3 | 120.9 | 120.9 | 120.9 | 120.9 | 118.5 | 118.5 | 120.9 | 123.3 | 123.3 |
| 75° | 99.5 | 97.1 | 97.1 | 97.1 | 94.8 | 94.8 | 97.1 | 97.1 | 99.5 | 99.5 | 99.5 |
| 77.5° | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 75.9 | 75.9 | 78.2 | 78.2 | 78.2 |
| 80° | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 59.2 |
| 82.5° | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 40.3 | 40.3 | 40.3 | 40.3 |
| 85° | 21.3 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |
| 87.5° | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 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: P584369

CATALOG NUMBER: HCC8W30D010MB-HM82555940-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 |
| 2.5° | 1711.4 | 1711.4 | 1711.4 | 1713.8 | 1709.1 | 1709.1 | 1709.1 | 1709.1 |
| 5° | 1671.1 | 1668.8 | 1666.4 | 1668.8 | 1664.0 | 1664.0 | 1661.6 | 1661.6 |
| 7.5° | 1621.3 | 1618.9 | 1616.7 | 1616.7 | 1611.9 | 1611.9 | 1609.5 | 1607.2 |
| 10° | 1566.9 | 1562.1 | 1564.5 | 1559.7 | 1557.4 | 1555.0 | 1552.6 | 1550.2 |
| 12.5° | 1507.5 | 1502.9 | 1500.5 | 1495.8 | 1491.0 | 1488.6 | 1491.0 | 1486.2 |
| 15° | 1443.6 | 1436.4 | 1434.1 | 1429.4 | 1424.7 | 1422.3 | 1422.3 | 1419.9 |
| 17.5° | 1372.5 | 1367.7 | 1365.3 | 1360.6 | 1358.2 | 1353.6 | 1351.2 | 1348.8 |
| 20° | 1306.1 | 1294.2 | 1296.6 | 1291.8 | 1289.5 | 1280.1 | 1280.1 | 1282.5 |
| 22.5° | 1232.6 | 1225.5 | 1220.7 | 1216.0 | 1213.6 | 1209.0 | 1209.0 | 1206.6 |
| 25° | 1159.2 | 1152.0 | 1149.6 | 1144.9 | 1142.5 | 1137.8 | 1135.4 | 1135.4 |
| 27.5° | 1088.1 | 1078.5 | 1078.5 | 1073.8 | 1069.0 | 1066.7 | 1064.3 | 1061.9 |
| 30° | 1012.2 | 1005.1 | 1002.7 | 1002.7 | 1000.3 | 1000.3 | 993.2 | 995.5 |
| 32.5° | 941.1 | 936.3 | 934.0 | 929.2 | 929.2 | 926.8 | 926.8 | 919.7 |
| 35° | 870.0 | 862.9 | 865.2 | 860.5 | 858.1 | 855.7 | 858.1 | 855.7 |
| 37.5° | 801.1 | 796.5 | 796.5 | 791.8 | 791.8 | 789.4 | 787.0 | 791.8 |
| 40° | 732.4 | 730.0 | 727.7 | 725.4 | 727.7 | 725.4 | 720.7 | 723.0 |
| 42.5° | 663.7 | 663.7 | 661.3 | 661.3 | 658.9 | 658.9 | 658.9 | 658.9 |
| 45° | 602.1 | 599.7 | 599.7 | 597.4 | 597.4 | 597.4 | 597.4 | 595.0 |
| 47.5° | 540.4 | 538.1 | 538.1 | 538.1 | 535.8 | 535.8 | 533.4 | 535.8 |
| 50° | 481.2 | 481.2 | 478.8 | 478.8 | 481.2 | 478.8 | 476.4 | 476.4 |
| 52.5° | 426.7 | 426.7 | 424.4 | 424.4 | 422.0 | 419.6 | 422.0 | 422.0 |
| 55° | 376.9 | 374.5 | 372.2 | 372.2 | 369.8 | 367.4 | 367.4 | 369.8 |
| 57.5° | 329.5 | 327.1 | 324.7 | 324.7 | 320.0 | 317.6 | 317.6 | 317.6 |
| 60° | 284.4 | 279.7 | 279.7 | 277.4 | 277.4 | 275.0 | 275.0 | 275.0 |
| 62.5° | 241.8 | 239.5 | 239.5 | 239.5 | 239.5 | 237.1 | 237.1 | 237.1 |
| 65° | 206.2 | 206.2 | 206.2 | 208.6 | 208.6 | 210.9 | 210.9 | 210.9 |
| 67.5° | 177.8 | 180.1 | 180.1 | 180.1 | 182.5 | 182.5 | 182.5 | 180.1 |
| 70° | 151.7 | 151.7 | 151.7 | 154.1 | 154.1 | 154.1 | 154.1 | 154.1 |
| 72.5° | 125.7 | 125.7 | 125.7 | 125.7 | 125.7 | 125.7 | 125.7 | 125.7 |
| 75° | 99.5 | 101.9 | 101.9 | 101.9 | 99.5 | 101.9 | 101.9 | 99.5 |
| 77.5° | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| 80° | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 82.5° | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| 85° | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |
| 87.5° | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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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)