

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: P584267

Luminaire Tested: **HCC8W30D010MW-HM82555830-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584267
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: HCC8W30D010MW-HM82555830-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

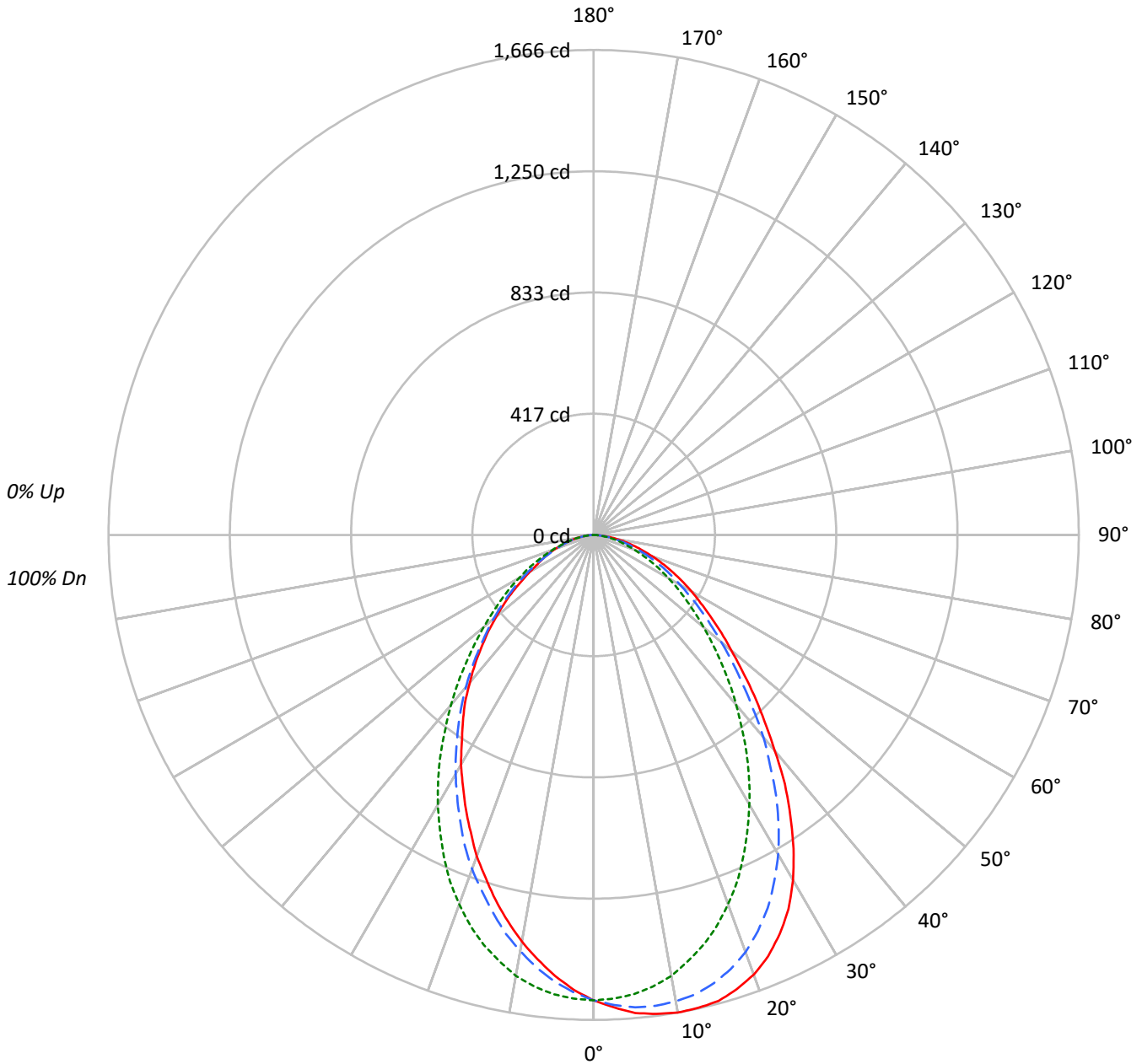
Lumens per Lamp: N/A
Luminaire Lumens: 2950.7 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P584267
CATALOG NUMBER: HCC8W30D010MW-HM82555830-81WWW

Luminous Intensity Polar Plot





TEST NUMBER: P584267

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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 | 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° | 49301 | 49301 | 49301 |
| 5° | 51037 | 49019 | 47072 |
| 10° | 52166 | 48161 | 44425 |
| 15° | 52908 | 46539 | 41485 |
| 20° | 52751 | 44281 | 38515 |
| 25° | 51448 | 41411 | 35358 |
| 30° | 48742 | 38081 | 32441 |
| 35° | 44341 | 34463 | 29483 |
| 40° | 38946 | 30649 | 26636 |
| 45° | 33963 | 26964 | 23750 |
| 50° | 29556 | 23627 | 20916 |
| 55° | 26354 | 20763 | 18193 |
| 60° | 23947 | 18193 | 15517 |
| 65° | 21525 | 15833 | 14090 |
| 70° | 19168 | 13497 | 12712 |
| 75° | 16799 | 11378 | 10854 |
| 80° | 14260 | 9252 | 9625 |
| 85° | 10720 | 6899 | 7642 |



TEST NUMBER: P584267

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 149.8 | 5.1 |
| 10°-20° | 412.6 | 14.0 |
| 20°-30° | 572.8 | 19.4 |
| 30°-40° | 592.2 | 20.1 |
| 40°-50° | 495.8 | 16.8 |
| 50°-60° | 359.9 | 12.2 |
| 60°-70° | 227.2 | 7.7 |
| 70°-80° | 112.5 | 3.8 |
| 80°-90° | 28.0 | 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° | 1135.1 | 38.5 |
| 0°-40° | 1727.3 | 58.5 |
| 0°-60° | 2583.1 | 87.5 |
| 0°-90° | 2950.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2950.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1599 | 1599 | 1599 | 1599 | 1599 | |
| 5° | 1649 | 1629 | 1584 | 1540 | 1521 | 158 |
| 15° | 1657 | 1594 | 1458 | 1341 | 1300 | 466 |
| 25° | 1512 | 1414 | 1217 | 1085 | 1039 | 693 |
| 35° | 1178 | 1091 | 916 | 811 | 783 | 734 |
| 45° | 779 | 722 | 618 | 558 | 545 | 602 |
| 55° | 490 | 447 | 386 | 354 | 338 | 442 |
| 65° | 295 | 258 | 217 | 191 | 193 | 294 |
| 75° | 141 | 117 | 96 | 91 | 91 | 151 |
| 85° | 30 | 24 | 20 | 22 | 22 | 37 |
| 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° | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 |
| 2.5° | 1624.9 | 1624.9 | 1627.0 | 1624.9 | 1624.9 | 1624.9 | 1622.7 | 1622.7 | 1620.5 | 1620.5 | 1616.2 |
| 5° | 1648.8 | 1644.4 | 1648.8 | 1644.4 | 1644.4 | 1644.4 | 1642.2 | 1637.8 | 1635.7 | 1631.4 | 1629.2 |
| 7.5° | 1659.6 | 1657.3 | 1657.3 | 1655.2 | 1655.2 | 1653.1 | 1650.9 | 1648.8 | 1640.1 | 1637.8 | 1631.4 |
| 10° | 1666.0 | 1663.9 | 1663.9 | 1661.7 | 1657.3 | 1657.3 | 1653.1 | 1650.9 | 1640.1 | 1635.7 | 1627.0 |
| 12.5° | 1663.9 | 1663.9 | 1663.9 | 1661.7 | 1655.2 | 1653.1 | 1648.8 | 1642.2 | 1633.6 | 1624.9 | 1616.2 |
| 15° | 1657.3 | 1657.3 | 1653.1 | 1650.9 | 1644.4 | 1640.1 | 1637.8 | 1627.0 | 1618.3 | 1607.5 | 1594.4 |
| 17.5° | 1635.7 | 1635.7 | 1633.6 | 1629.2 | 1622.7 | 1618.3 | 1614.1 | 1603.1 | 1594.4 | 1577.1 | 1564.1 |
| 20° | 1607.5 | 1605.4 | 1603.1 | 1596.7 | 1590.2 | 1588.0 | 1581.5 | 1566.3 | 1555.4 | 1542.4 | 1525.1 |
| 22.5° | 1566.3 | 1564.1 | 1562.0 | 1557.6 | 1546.8 | 1542.4 | 1538.1 | 1527.3 | 1507.8 | 1494.7 | 1473.1 |
| 25° | 1512.1 | 1512.1 | 1507.8 | 1501.2 | 1490.4 | 1486.0 | 1479.5 | 1468.7 | 1451.3 | 1431.8 | 1414.4 |
| 27.5° | 1449.2 | 1447.0 | 1440.5 | 1436.1 | 1427.4 | 1421.0 | 1410.2 | 1397.1 | 1379.7 | 1364.5 | 1342.9 |
| 30° | 1368.9 | 1368.9 | 1364.5 | 1358.1 | 1347.1 | 1342.9 | 1334.2 | 1319.0 | 1301.6 | 1282.1 | 1266.9 |
| 32.5° | 1277.8 | 1277.8 | 1271.3 | 1266.9 | 1260.5 | 1249.5 | 1247.4 | 1230.0 | 1214.8 | 1199.7 | 1182.3 |
| 35° | 1177.9 | 1180.2 | 1175.8 | 1167.1 | 1156.3 | 1156.3 | 1151.9 | 1136.8 | 1119.4 | 1104.2 | 1091.1 |
| 37.5° | 1078.2 | 1071.6 | 1069.5 | 1065.1 | 1058.7 | 1050.0 | 1045.6 | 1039.2 | 1024.0 | 1013.1 | 993.5 |
| 40° | 967.5 | 969.7 | 965.3 | 961.1 | 958.8 | 952.4 | 950.1 | 939.3 | 928.5 | 915.5 | 906.9 |
| 42.5° | 867.7 | 867.7 | 867.7 | 863.5 | 859.1 | 852.5 | 850.4 | 843.8 | 830.9 | 822.2 | 809.2 |
| 45° | 778.8 | 772.3 | 772.3 | 770.1 | 768.0 | 763.6 | 757.2 | 752.8 | 744.1 | 737.5 | 722.4 |
| 47.5° | 692.0 | 694.3 | 692.0 | 689.9 | 683.3 | 681.2 | 679.0 | 670.4 | 661.7 | 655.1 | 644.3 |
| 50° | 616.1 | 620.4 | 616.1 | 616.1 | 611.7 | 609.6 | 605.2 | 598.8 | 592.2 | 581.4 | 570.6 |
| 52.5° | 553.2 | 553.2 | 551.0 | 548.8 | 542.3 | 538.0 | 535.9 | 533.6 | 522.8 | 514.1 | 505.4 |
| 55° | 490.2 | 492.5 | 492.5 | 485.9 | 483.8 | 479.4 | 477.3 | 470.7 | 466.4 | 453.4 | 446.9 |
| 57.5° | 436.0 | 433.9 | 436.0 | 431.7 | 427.3 | 423.0 | 420.9 | 416.5 | 410.0 | 401.3 | 392.6 |
| 60° | 388.3 | 383.9 | 383.9 | 381.8 | 377.5 | 375.2 | 371.0 | 364.4 | 357.9 | 349.3 | 342.8 |
| 62.5° | 340.6 | 338.4 | 336.2 | 334.1 | 329.7 | 327.6 | 325.4 | 318.9 | 312.4 | 305.9 | 299.4 |
| 65° | 295.0 | 295.0 | 292.9 | 288.6 | 286.3 | 284.2 | 282.0 | 277.6 | 269.0 | 264.7 | 258.1 |
| 67.5° | 253.9 | 251.6 | 251.6 | 247.3 | 242.9 | 240.8 | 240.8 | 236.5 | 230.0 | 223.4 | 219.1 |
| 70° | 212.6 | 214.7 | 212.6 | 210.5 | 206.1 | 206.1 | 201.8 | 199.6 | 191.0 | 188.7 | 182.3 |
| 72.5° | 175.7 | 175.7 | 173.6 | 173.6 | 169.2 | 167.1 | 167.1 | 162.7 | 158.4 | 154.0 | 149.7 |
| 75° | 141.0 | 141.0 | 141.0 | 138.9 | 136.6 | 132.3 | 132.3 | 130.2 | 125.8 | 121.5 | 117.1 |
| 77.5° | 110.7 | 108.4 | 108.4 | 106.3 | 104.2 | 102.0 | 102.0 | 99.8 | 95.5 | 93.3 | 88.9 |
| 80° | 80.3 | 78.1 | 78.1 | 78.1 | 73.7 | 76.0 | 73.7 | 71.6 | 69.4 | 67.3 | 65.0 |
| 82.5° | 52.1 | 54.2 | 54.2 | 52.1 | 49.9 | 49.9 | 49.9 | 47.7 | 47.7 | 45.5 | 43.4 |
| 85° | 30.3 | 30.3 | 30.3 | 30.3 | 28.2 | 28.2 | 28.2 | 26.0 | 26.0 | 26.0 | 23.9 |
| 87.5° | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 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° | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 |
| 2.5° | 1616.2 | 1611.8 | 1609.7 | 1607.5 | 1607.5 | 1605.4 | 1603.1 | 1598.8 | 1598.8 | 1594.4 | 1592.3 |
| 5° | 1624.9 | 1618.3 | 1614.1 | 1609.7 | 1607.5 | 1603.1 | 1598.8 | 1592.3 | 1590.2 | 1583.6 | 1577.1 |
| 7.5° | 1627.0 | 1616.2 | 1611.8 | 1603.1 | 1598.8 | 1594.4 | 1585.8 | 1579.3 | 1570.7 | 1564.1 | 1555.4 |
| 10° | 1618.3 | 1609.7 | 1598.8 | 1588.0 | 1585.8 | 1579.3 | 1566.3 | 1557.6 | 1546.8 | 1538.1 | 1525.1 |
| 12.5° | 1605.4 | 1592.3 | 1581.5 | 1568.4 | 1562.0 | 1555.4 | 1542.4 | 1529.4 | 1514.2 | 1499.1 | 1486.0 |
| 15° | 1583.6 | 1568.4 | 1553.3 | 1538.1 | 1529.4 | 1522.9 | 1507.8 | 1492.6 | 1477.3 | 1457.8 | 1444.8 |
| 17.5° | 1551.1 | 1533.8 | 1518.6 | 1499.1 | 1490.4 | 1483.9 | 1464.4 | 1447.0 | 1427.4 | 1407.9 | 1394.9 |
| 20° | 1509.9 | 1488.2 | 1470.8 | 1449.2 | 1442.6 | 1431.8 | 1412.3 | 1392.8 | 1371.0 | 1349.4 | 1334.2 |
| 22.5° | 1455.7 | 1433.9 | 1414.4 | 1392.8 | 1381.9 | 1371.0 | 1351.5 | 1327.6 | 1306.0 | 1288.6 | 1273.4 |
| 25° | 1392.8 | 1373.2 | 1349.4 | 1329.8 | 1316.8 | 1303.7 | 1282.1 | 1262.6 | 1243.1 | 1217.1 | 1201.8 |
| 27.5° | 1323.4 | 1299.5 | 1282.1 | 1256.1 | 1243.1 | 1234.4 | 1210.5 | 1184.5 | 1167.1 | 1143.2 | 1125.9 |
| 30° | 1245.2 | 1223.5 | 1204.0 | 1177.9 | 1165.0 | 1156.3 | 1134.5 | 1110.8 | 1093.4 | 1069.5 | 1052.1 |
| 32.5° | 1162.8 | 1138.9 | 1115.0 | 1097.7 | 1082.5 | 1073.8 | 1050.0 | 1034.8 | 1013.1 | 993.5 | 974.0 |
| 35° | 1073.8 | 1050.0 | 1032.6 | 1008.7 | 1000.1 | 991.4 | 971.9 | 952.4 | 932.9 | 915.5 | 900.3 |
| 37.5° | 978.4 | 961.1 | 941.6 | 924.2 | 917.7 | 909.0 | 885.1 | 867.7 | 852.5 | 835.2 | 822.2 |
| 40° | 885.1 | 869.9 | 856.9 | 839.6 | 828.7 | 822.2 | 804.8 | 789.6 | 772.3 | 761.4 | 748.5 |
| 42.5° | 800.6 | 783.2 | 770.1 | 757.2 | 746.2 | 739.8 | 724.6 | 713.8 | 700.7 | 689.9 | 674.6 |
| 45° | 711.5 | 702.9 | 687.7 | 676.9 | 670.4 | 661.7 | 650.9 | 637.8 | 627.0 | 618.3 | 607.5 |
| 47.5° | 633.5 | 624.8 | 613.9 | 600.9 | 596.5 | 590.1 | 579.3 | 570.6 | 561.9 | 553.2 | 542.3 |
| 50° | 561.9 | 551.0 | 542.3 | 533.6 | 529.3 | 522.8 | 512.0 | 507.6 | 501.2 | 492.5 | 485.9 |
| 52.5° | 496.8 | 488.1 | 479.4 | 468.6 | 466.4 | 462.0 | 455.6 | 446.9 | 440.4 | 436.0 | 431.7 |
| 55° | 438.3 | 429.6 | 423.0 | 414.4 | 412.2 | 407.8 | 399.1 | 394.9 | 390.5 | 386.2 | 381.8 |
| 57.5° | 386.2 | 377.5 | 368.8 | 364.4 | 360.1 | 355.7 | 353.6 | 347.1 | 342.8 | 340.6 | 336.2 |
| 60° | 338.4 | 329.7 | 323.3 | 316.7 | 314.6 | 312.4 | 308.1 | 303.7 | 299.4 | 295.0 | 292.9 |
| 62.5° | 292.9 | 284.2 | 279.9 | 275.5 | 271.2 | 271.2 | 266.8 | 262.5 | 258.1 | 256.0 | 251.6 |
| 65° | 251.6 | 247.3 | 240.8 | 234.4 | 232.1 | 232.1 | 225.7 | 223.4 | 221.3 | 217.0 | 212.6 |
| 67.5° | 212.6 | 208.3 | 201.8 | 199.6 | 197.4 | 195.2 | 193.1 | 188.7 | 184.4 | 182.3 | 177.9 |
| 70° | 177.9 | 173.6 | 169.2 | 167.1 | 164.9 | 162.7 | 158.4 | 156.2 | 151.8 | 149.7 | 147.6 |
| 72.5° | 143.2 | 141.0 | 136.6 | 134.5 | 132.3 | 130.2 | 127.9 | 125.8 | 121.5 | 119.3 | 117.1 |
| 75° | 115.0 | 112.8 | 108.4 | 106.3 | 104.2 | 104.2 | 102.0 | 97.6 | 95.5 | 95.5 | 93.3 |
| 77.5° | 86.8 | 84.7 | 82.4 | 80.3 | 78.1 | 78.1 | 76.0 | 73.7 | 71.6 | 71.6 | 69.4 |
| 80° | 62.9 | 60.8 | 58.6 | 58.6 | 58.6 | 56.4 | 54.2 | 54.2 | 52.1 | 52.1 | 49.9 |
| 82.5° | 41.3 | 41.3 | 39.0 | 39.0 | 39.0 | 36.9 | 36.9 | 34.7 | 34.7 | 34.7 | 34.7 |
| 85° | 23.9 | 23.9 | 23.9 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 19.5 | 21.6 |
| 87.5° | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 8.7 | 8.7 | 8.7 |
| 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: HCC8W30D010MW-HM82555830-81WWW

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 |
| 2.5° | 1590.2 | 1588.0 | 1583.6 | 1583.6 | 1579.3 | 1579.3 | 1577.1 | 1574.9 | 1572.8 | 1570.7 | 1568.4 |
| 5° | 1574.9 | 1566.3 | 1562.0 | 1559.7 | 1555.4 | 1553.3 | 1546.8 | 1542.4 | 1540.2 | 1536.0 | 1531.6 |
| 7.5° | 1546.8 | 1538.1 | 1529.4 | 1527.3 | 1525.1 | 1516.5 | 1509.9 | 1503.4 | 1499.1 | 1494.7 | 1490.4 |
| 10° | 1514.2 | 1505.5 | 1494.7 | 1490.4 | 1486.0 | 1475.2 | 1466.5 | 1460.0 | 1451.3 | 1442.6 | 1440.5 |
| 12.5° | 1475.2 | 1462.1 | 1449.2 | 1444.8 | 1438.3 | 1427.4 | 1418.8 | 1407.9 | 1401.5 | 1390.5 | 1388.4 |
| 15° | 1429.7 | 1414.4 | 1403.6 | 1392.8 | 1388.4 | 1377.6 | 1362.4 | 1353.7 | 1340.7 | 1336.3 | 1325.5 |
| 17.5° | 1375.4 | 1360.2 | 1345.0 | 1340.7 | 1334.2 | 1319.0 | 1303.7 | 1292.9 | 1280.0 | 1273.4 | 1266.9 |
| 20° | 1319.0 | 1299.5 | 1284.2 | 1280.0 | 1271.3 | 1258.2 | 1243.1 | 1232.2 | 1221.3 | 1208.4 | 1201.8 |
| 22.5° | 1253.9 | 1232.2 | 1219.2 | 1208.4 | 1206.1 | 1191.0 | 1173.7 | 1165.0 | 1156.3 | 1145.5 | 1136.8 |
| 25° | 1182.3 | 1162.8 | 1147.6 | 1138.9 | 1134.5 | 1121.6 | 1108.5 | 1097.7 | 1084.7 | 1078.2 | 1067.4 |
| 27.5° | 1108.5 | 1095.5 | 1076.0 | 1067.4 | 1060.8 | 1050.0 | 1034.8 | 1028.2 | 1015.3 | 1006.6 | 1000.1 |
| 30° | 1036.9 | 1017.4 | 1006.6 | 995.8 | 989.2 | 978.4 | 965.3 | 958.8 | 948.0 | 939.3 | 932.9 |
| 32.5° | 958.8 | 945.8 | 930.6 | 926.3 | 917.7 | 906.9 | 898.2 | 887.2 | 878.6 | 869.9 | 867.7 |
| 35° | 887.2 | 869.9 | 854.8 | 850.4 | 843.8 | 833.0 | 828.7 | 822.2 | 811.4 | 809.2 | 800.6 |
| 37.5° | 809.2 | 800.6 | 783.2 | 776.7 | 774.5 | 765.8 | 757.2 | 752.8 | 746.2 | 739.8 | 737.5 |
| 40° | 735.4 | 724.6 | 715.9 | 709.4 | 705.1 | 698.5 | 689.9 | 687.7 | 683.3 | 674.6 | 672.5 |
| 42.5° | 666.0 | 655.1 | 646.5 | 644.3 | 637.8 | 631.2 | 627.0 | 620.4 | 618.3 | 616.1 | 611.7 |
| 45° | 598.8 | 592.2 | 583.6 | 581.4 | 579.3 | 570.6 | 566.2 | 561.9 | 557.5 | 555.4 | 551.0 |
| 47.5° | 538.0 | 531.5 | 524.9 | 522.8 | 518.5 | 516.3 | 509.8 | 507.6 | 501.2 | 498.9 | 496.8 |
| 50° | 479.4 | 475.1 | 470.7 | 468.6 | 464.3 | 462.0 | 457.8 | 453.4 | 449.1 | 446.9 | 444.7 |
| 52.5° | 427.3 | 423.0 | 418.6 | 416.5 | 414.4 | 410.0 | 405.7 | 401.3 | 399.1 | 397.0 | 394.9 |
| 55° | 377.5 | 373.1 | 371.0 | 368.8 | 366.6 | 364.4 | 357.9 | 355.7 | 353.6 | 351.5 | 347.1 |
| 57.5° | 332.0 | 327.6 | 323.3 | 323.3 | 321.0 | 318.9 | 314.6 | 310.2 | 310.2 | 305.9 | 301.5 |
| 60° | 290.7 | 286.3 | 282.0 | 279.9 | 277.6 | 273.4 | 271.2 | 269.0 | 266.8 | 264.7 | 260.3 |
| 62.5° | 247.3 | 245.2 | 240.8 | 240.8 | 236.5 | 234.4 | 232.1 | 230.0 | 227.8 | 223.4 | 221.3 |
| 65° | 210.5 | 208.3 | 203.9 | 201.8 | 201.8 | 199.6 | 195.2 | 193.1 | 191.0 | 191.0 | 188.7 |
| 67.5° | 175.7 | 173.6 | 169.2 | 167.1 | 167.1 | 164.9 | 162.7 | 162.7 | 160.5 | 158.4 | 160.5 |
| 70° | 145.3 | 141.0 | 141.0 | 138.9 | 138.9 | 136.6 | 134.5 | 134.5 | 134.5 | 136.6 | 136.6 |
| 72.5° | 115.0 | 112.8 | 110.7 | 110.7 | 110.7 | 110.7 | 108.4 | 108.4 | 110.7 | 112.8 | 112.8 |
| 75° | 91.1 | 88.9 | 88.9 | 88.9 | 86.8 | 86.8 | 88.9 | 88.9 | 91.1 | 91.1 | 91.1 |
| 77.5° | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 69.4 | 69.4 | 71.6 | 71.6 | 71.6 |
| 80° | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 54.2 |
| 82.5° | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 36.9 | 36.9 | 36.9 | 36.9 |
| 85° | 19.5 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 |
| 87.5° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 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: P584267

CATALOG NUMBER: HCC8W30D010MW-HM82555830-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 | 1598.8 |
| 2.5° | 1566.3 | 1566.3 | 1566.3 | 1568.4 | 1564.1 | 1564.1 | 1564.1 | 1564.1 |
| 5° | 1529.4 | 1527.3 | 1525.1 | 1527.3 | 1522.9 | 1522.9 | 1520.7 | 1520.7 |
| 7.5° | 1483.9 | 1481.7 | 1479.5 | 1479.5 | 1475.2 | 1475.2 | 1473.1 | 1470.8 |
| 10° | 1433.9 | 1429.7 | 1431.8 | 1427.4 | 1425.3 | 1423.1 | 1421.0 | 1418.8 |
| 12.5° | 1379.7 | 1375.4 | 1373.2 | 1368.9 | 1364.5 | 1362.4 | 1364.5 | 1360.2 |
| 15° | 1321.1 | 1314.7 | 1312.4 | 1308.1 | 1303.7 | 1301.6 | 1301.6 | 1299.5 |
| 17.5° | 1256.1 | 1251.8 | 1249.5 | 1245.2 | 1243.1 | 1238.7 | 1236.6 | 1234.4 |
| 20° | 1195.3 | 1184.5 | 1186.6 | 1182.3 | 1180.2 | 1171.5 | 1171.5 | 1173.7 |
| 22.5° | 1128.1 | 1121.6 | 1117.2 | 1112.9 | 1110.8 | 1106.4 | 1106.4 | 1104.2 |
| 25° | 1060.8 | 1054.3 | 1052.1 | 1047.9 | 1045.6 | 1041.3 | 1039.2 | 1039.2 |
| 27.5° | 995.8 | 987.1 | 987.1 | 982.7 | 978.4 | 976.2 | 974.0 | 971.9 |
| 30° | 926.3 | 919.8 | 917.7 | 917.7 | 915.5 | 915.5 | 909.0 | 911.1 |
| 32.5° | 861.2 | 856.9 | 854.8 | 850.4 | 850.4 | 848.2 | 848.2 | 841.7 |
| 35° | 796.2 | 789.6 | 791.9 | 787.5 | 785.3 | 783.2 | 785.3 | 783.2 |
| 37.5° | 733.3 | 728.9 | 728.9 | 724.6 | 724.6 | 722.4 | 720.2 | 724.6 |
| 40° | 670.4 | 668.2 | 666.0 | 663.8 | 666.0 | 663.8 | 659.5 | 661.7 |
| 42.5° | 607.5 | 607.5 | 605.2 | 605.2 | 603.1 | 603.1 | 603.1 | 603.1 |
| 45° | 551.0 | 548.8 | 548.8 | 546.7 | 546.7 | 546.7 | 546.7 | 544.6 |
| 47.5° | 494.6 | 492.5 | 492.5 | 492.5 | 490.2 | 490.2 | 488.1 | 490.2 |
| 50° | 440.4 | 440.4 | 438.3 | 438.3 | 440.4 | 438.3 | 436.0 | 436.0 |
| 52.5° | 390.5 | 390.5 | 388.3 | 388.3 | 386.2 | 383.9 | 386.2 | 386.2 |
| 55° | 344.9 | 342.8 | 340.6 | 340.6 | 338.4 | 336.2 | 336.2 | 338.4 |
| 57.5° | 301.5 | 299.4 | 297.2 | 297.2 | 292.9 | 290.7 | 290.7 | 290.7 |
| 60° | 260.3 | 256.0 | 256.0 | 253.9 | 253.9 | 251.6 | 251.6 | 251.6 |
| 62.5° | 221.3 | 219.1 | 219.1 | 219.1 | 219.1 | 217.0 | 217.0 | 217.0 |
| 65° | 188.7 | 188.7 | 188.7 | 191.0 | 191.0 | 193.1 | 193.1 | 193.1 |
| 67.5° | 162.7 | 164.9 | 164.9 | 164.9 | 167.1 | 167.1 | 167.1 | 164.9 |
| 70° | 138.9 | 138.9 | 138.9 | 141.0 | 141.0 | 141.0 | 141.0 | 141.0 |
| 72.5° | 115.0 | 115.0 | 115.0 | 115.0 | 115.0 | 115.0 | 115.0 | 115.0 |
| 75° | 91.1 | 93.3 | 93.3 | 93.3 | 91.1 | 93.3 | 93.3 | 91.1 |
| 77.5° | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 80° | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| 82.5° | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| 85° | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 |
| 87.5° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 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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