

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: P584344

Luminaire Tested: **HCC8W30D010BZ-HM82555935-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584344
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: HCC8W30D010BZ-HM82555935-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

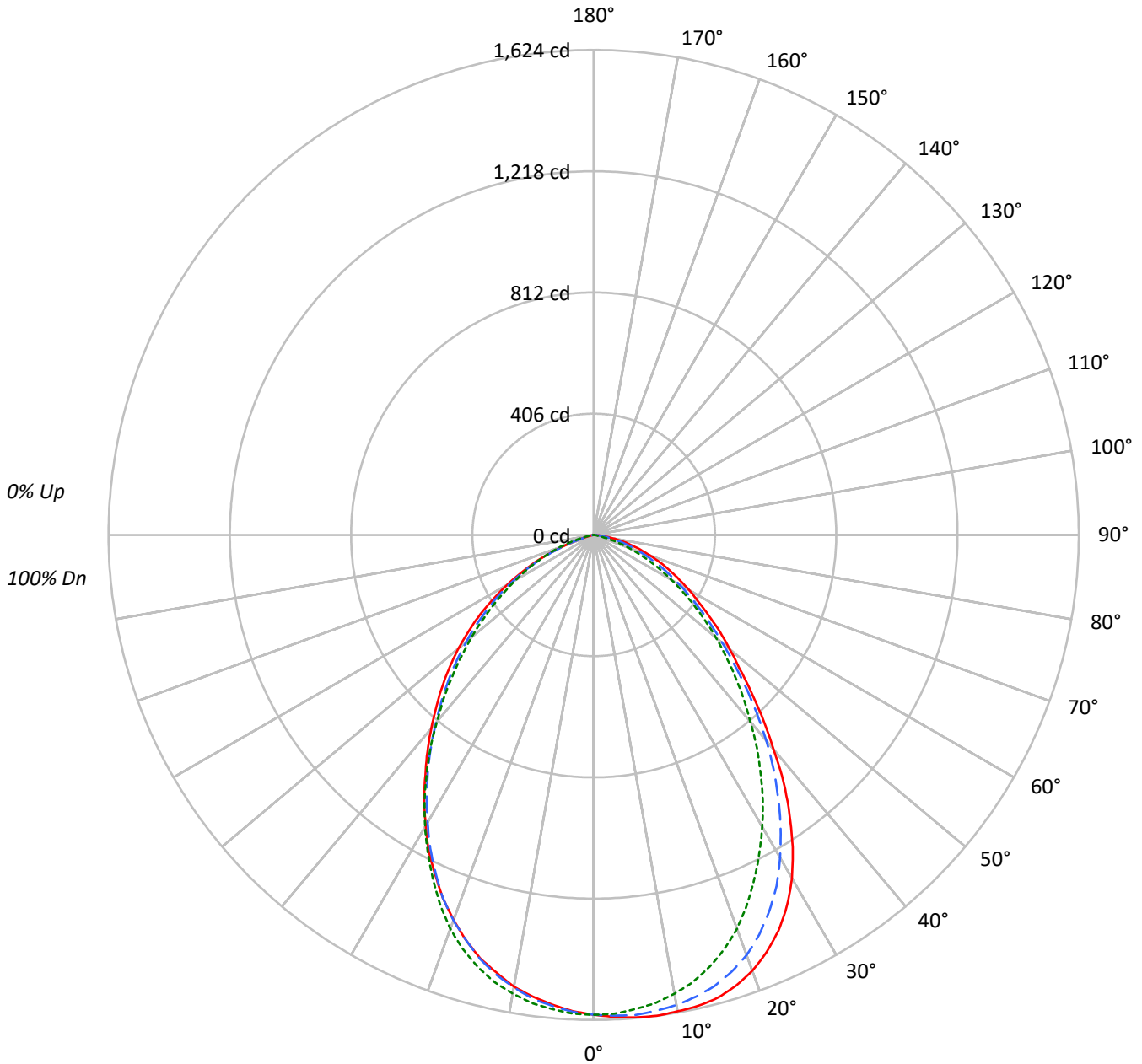
Lumens per Lamp: N/A
Luminaire Lumens: 3054.1 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (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: P584344
CATALOG NUMBER: HCC8W30D010BZ-HM82555935-81RWWC

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 | 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 | 85 | 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° | 49551 | 49551 | 49551 |
| 5° | 50204 | 49344 | 48880 |
| 10° | 50719 | 48837 | 48102 |
| 15° | 51232 | 47806 | 46849 |
| 20° | 50972 | 46043 | 44987 |
| 25° | 49784 | 43285 | 42704 |
| 30° | 47286 | 40182 | 40029 |
| 35° | 43050 | 36665 | 36989 |
| 40° | 37738 | 32819 | 34027 |
| 45° | 32559 | 29192 | 31250 |
| 50° | 28510 | 25627 | 28304 |
| 55° | 25263 | 22026 | 24918 |
| 60° | 22763 | 18520 | 20642 |
| 65° | 20510 | 14870 | 15804 |
| 70° | 17987 | 10828 | 8700 |
| 75° | 15346 | 5624 | 2299 |
| 80° | 11809 | 1527 | 373 |
| 85° | 7571 | 0 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 151.6 | 5.0 |
| 10°-20° | 426.2 | 14.0 |
| 20°-30° | 605.0 | 19.8 |
| 30°-40° | 636.8 | 20.9 |
| 40°-50° | 541.7 | 17.7 |
| 50°-60° | 391.5 | 12.8 |
| 60°-70° | 222.7 | 7.3 |
| 70°-80° | 70.1 | 2.3 |
| 80°-90° | 8.5 | 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° | 1182.8 | 38.7 |
| 0°-40° | 1819.6 | 59.6 |
| 0°-60° | 2752.8 | 90.1 |
| 0°-90° | 3054.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3054.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1607 | 1607 | 1607 | 1607 | 1607 | |
| 5° | 1622 | 1613 | 1594 | 1583 | 1579 | 155 |
| 15° | 1605 | 1564 | 1498 | 1470 | 1468 | 452 |
| 25° | 1463 | 1390 | 1272 | 1251 | 1255 | 670 |
| 35° | 1144 | 1077 | 974 | 968 | 983 | 712 |
| 45° | 747 | 719 | 669 | 686 | 717 | 580 |
| 55° | 470 | 436 | 410 | 433 | 464 | 424 |
| 65° | 281 | 242 | 204 | 202 | 217 | 279 |
| 75° | 129 | 99 | 47 | 21 | 19 | 139 |
| 85° | 21 | 13 | 0 | 0 | 0 | 28 |
| 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° | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 |
| 2.5° | 1615.5 | 1617.6 | 1613.4 | 1613.4 | 1617.6 | 1613.4 | 1615.5 | 1615.5 | 1613.4 | 1613.4 | 1611.2 |
| 5° | 1621.9 | 1619.8 | 1619.8 | 1619.8 | 1621.9 | 1617.6 | 1615.5 | 1617.6 | 1613.4 | 1613.4 | 1613.4 |
| 7.5° | 1624.2 | 1624.2 | 1621.9 | 1619.8 | 1619.8 | 1619.8 | 1617.6 | 1615.5 | 1613.4 | 1609.1 | 1606.9 |
| 10° | 1619.8 | 1619.8 | 1621.9 | 1617.6 | 1617.6 | 1613.4 | 1613.4 | 1609.1 | 1609.1 | 1604.8 | 1598.4 |
| 12.5° | 1615.5 | 1613.4 | 1613.4 | 1609.1 | 1609.1 | 1604.8 | 1604.8 | 1598.4 | 1596.2 | 1589.8 | 1583.4 |
| 15° | 1604.8 | 1602.7 | 1598.4 | 1596.2 | 1594.1 | 1592.0 | 1587.7 | 1585.5 | 1579.1 | 1570.4 | 1564.0 |
| 17.5° | 1583.4 | 1581.3 | 1579.1 | 1574.8 | 1570.4 | 1568.3 | 1566.2 | 1559.7 | 1551.2 | 1544.7 | 1534.0 |
| 20° | 1553.3 | 1551.2 | 1551.2 | 1544.7 | 1542.6 | 1536.2 | 1534.0 | 1525.4 | 1518.9 | 1506.1 | 1497.5 |
| 22.5° | 1512.5 | 1514.7 | 1510.4 | 1506.1 | 1501.8 | 1495.4 | 1491.1 | 1482.6 | 1471.7 | 1458.9 | 1448.2 |
| 25° | 1463.2 | 1465.3 | 1461.0 | 1456.8 | 1450.3 | 1446.1 | 1441.8 | 1428.8 | 1418.1 | 1403.1 | 1390.3 |
| 27.5° | 1401.0 | 1401.0 | 1401.0 | 1396.7 | 1386.0 | 1383.9 | 1379.5 | 1366.6 | 1351.7 | 1338.8 | 1325.9 |
| 30° | 1328.0 | 1325.9 | 1325.9 | 1319.4 | 1315.2 | 1306.6 | 1300.2 | 1289.5 | 1278.7 | 1263.7 | 1248.7 |
| 32.5° | 1240.1 | 1242.3 | 1235.8 | 1231.4 | 1225.0 | 1225.0 | 1216.5 | 1207.9 | 1195.1 | 1180.0 | 1165.0 |
| 35° | 1143.6 | 1145.7 | 1141.4 | 1139.3 | 1128.5 | 1126.3 | 1124.2 | 1113.5 | 1104.9 | 1094.2 | 1077.0 |
| 37.5° | 1044.9 | 1042.8 | 1040.5 | 1040.5 | 1034.1 | 1029.8 | 1025.5 | 1019.1 | 1006.3 | 997.7 | 989.0 |
| 40° | 937.5 | 937.5 | 937.5 | 935.4 | 933.2 | 929.0 | 926.8 | 922.5 | 914.0 | 905.4 | 899.0 |
| 42.5° | 841.0 | 841.0 | 838.8 | 836.7 | 832.4 | 834.6 | 830.3 | 826.0 | 817.4 | 811.0 | 806.7 |
| 45° | 746.6 | 746.6 | 746.6 | 748.7 | 744.4 | 738.0 | 738.0 | 733.7 | 729.5 | 725.2 | 718.8 |
| 47.5° | 663.0 | 669.4 | 665.1 | 663.0 | 665.1 | 656.6 | 656.6 | 652.2 | 647.9 | 643.6 | 635.0 |
| 50° | 594.3 | 594.3 | 594.3 | 590.0 | 587.8 | 587.8 | 581.4 | 577.1 | 575.0 | 570.7 | 562.2 |
| 52.5° | 532.1 | 527.8 | 527.8 | 525.7 | 523.5 | 519.2 | 519.2 | 515.0 | 506.3 | 502.0 | 495.6 |
| 55° | 469.9 | 469.9 | 467.8 | 465.6 | 463.5 | 461.3 | 459.1 | 452.7 | 448.4 | 442.0 | 435.5 |
| 57.5° | 414.1 | 418.4 | 416.3 | 412.0 | 407.6 | 407.6 | 403.3 | 399.0 | 392.6 | 386.2 | 379.8 |
| 60° | 369.1 | 366.9 | 366.9 | 364.8 | 360.4 | 358.2 | 356.1 | 349.7 | 343.3 | 336.8 | 330.4 |
| 62.5° | 321.9 | 321.9 | 321.9 | 317.6 | 313.2 | 311.0 | 308.9 | 304.6 | 296.1 | 289.6 | 285.4 |
| 65° | 281.1 | 278.9 | 276.8 | 274.7 | 272.5 | 268.2 | 266.0 | 261.7 | 255.3 | 248.9 | 242.4 |
| 67.5° | 240.3 | 238.2 | 238.2 | 236.0 | 229.6 | 227.5 | 227.5 | 221.0 | 214.5 | 208.1 | 201.7 |
| 70° | 199.5 | 199.5 | 199.5 | 195.2 | 193.1 | 191.0 | 188.8 | 184.5 | 178.1 | 171.7 | 165.2 |
| 72.5° | 165.2 | 163.0 | 163.0 | 160.9 | 154.5 | 152.3 | 150.2 | 145.9 | 139.5 | 135.2 | 130.9 |
| 75° | 128.8 | 128.8 | 126.6 | 124.5 | 122.3 | 120.1 | 117.9 | 113.7 | 107.2 | 100.8 | 98.7 |
| 77.5° | 98.7 | 96.5 | 96.5 | 94.4 | 90.1 | 88.0 | 88.0 | 83.7 | 77.3 | 73.0 | 68.6 |
| 80° | 66.5 | 68.6 | 66.5 | 64.3 | 62.2 | 60.0 | 57.9 | 55.8 | 51.5 | 47.2 | 42.9 |
| 82.5° | 40.8 | 42.9 | 40.8 | 40.8 | 38.6 | 36.5 | 36.5 | 32.2 | 30.1 | 27.9 | 25.8 |
| 85° | 21.4 | 21.4 | 21.4 | 21.4 | 19.3 | 19.3 | 19.3 | 17.1 | 15.0 | 12.8 | 12.8 |
| 87.5° | 6.4 | 8.6 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 4.3 | 4.3 | 4.3 |
| 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° | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 |
| 2.5° | 1613.4 | 1611.2 | 1609.1 | 1609.1 | 1609.1 | 1609.1 | 1609.1 | 1606.9 | 1604.8 | 1604.8 | 1604.8 |
| 5° | 1609.1 | 1609.1 | 1609.1 | 1606.9 | 1604.8 | 1604.8 | 1600.5 | 1598.4 | 1596.2 | 1594.1 | 1592.0 |
| 7.5° | 1604.8 | 1600.5 | 1598.4 | 1596.2 | 1594.1 | 1594.1 | 1589.8 | 1585.5 | 1585.5 | 1581.3 | 1577.0 |
| 10° | 1592.0 | 1589.8 | 1585.5 | 1581.3 | 1579.1 | 1577.0 | 1572.6 | 1566.2 | 1564.0 | 1559.7 | 1555.4 |
| 12.5° | 1577.0 | 1572.6 | 1568.3 | 1559.7 | 1557.6 | 1555.4 | 1546.9 | 1540.5 | 1536.2 | 1534.0 | 1523.2 |
| 15° | 1557.6 | 1549.0 | 1542.6 | 1531.9 | 1529.8 | 1525.4 | 1518.9 | 1512.5 | 1504.0 | 1497.5 | 1493.3 |
| 17.5° | 1523.2 | 1514.7 | 1504.0 | 1493.3 | 1489.0 | 1489.0 | 1478.3 | 1469.6 | 1458.9 | 1454.6 | 1446.1 |
| 20° | 1482.6 | 1471.7 | 1463.2 | 1450.3 | 1443.9 | 1437.5 | 1431.1 | 1418.1 | 1409.6 | 1403.1 | 1392.4 |
| 22.5° | 1435.4 | 1420.3 | 1409.6 | 1396.7 | 1386.0 | 1379.5 | 1368.8 | 1358.1 | 1347.4 | 1341.0 | 1332.3 |
| 25° | 1375.2 | 1362.4 | 1345.2 | 1332.3 | 1325.9 | 1317.3 | 1304.5 | 1293.8 | 1282.9 | 1272.2 | 1267.9 |
| 27.5° | 1308.7 | 1291.6 | 1276.5 | 1261.5 | 1255.1 | 1248.7 | 1233.6 | 1220.7 | 1212.2 | 1201.5 | 1197.2 |
| 30° | 1235.8 | 1218.6 | 1201.5 | 1188.6 | 1182.1 | 1171.4 | 1162.8 | 1147.9 | 1137.0 | 1128.5 | 1117.8 |
| 32.5° | 1152.1 | 1139.3 | 1124.2 | 1104.9 | 1100.7 | 1092.1 | 1079.1 | 1072.7 | 1059.9 | 1053.5 | 1044.9 |
| 35° | 1062.0 | 1053.5 | 1038.4 | 1023.4 | 1017.0 | 1012.7 | 1002.0 | 989.0 | 980.4 | 974.0 | 969.7 |
| 37.5° | 976.2 | 965.5 | 950.5 | 939.7 | 935.4 | 929.0 | 916.1 | 909.7 | 901.1 | 896.9 | 888.2 |
| 40° | 883.9 | 873.2 | 862.5 | 856.1 | 849.7 | 845.3 | 836.7 | 830.3 | 821.7 | 815.3 | 813.2 |
| 42.5° | 793.8 | 787.4 | 778.8 | 770.2 | 768.1 | 761.7 | 757.4 | 750.9 | 744.4 | 742.3 | 735.9 |
| 45° | 712.3 | 705.9 | 697.2 | 688.7 | 686.5 | 682.2 | 680.1 | 673.7 | 669.4 | 669.4 | 669.4 |
| 47.5° | 630.8 | 624.3 | 615.8 | 611.5 | 613.6 | 605.0 | 605.0 | 602.8 | 598.5 | 598.5 | 600.7 |
| 50° | 557.9 | 549.2 | 547.1 | 542.8 | 538.5 | 534.2 | 536.4 | 529.9 | 529.9 | 534.2 | 532.1 |
| 52.5° | 489.2 | 480.6 | 478.5 | 474.2 | 472.0 | 472.0 | 469.9 | 469.9 | 467.8 | 469.9 | 469.9 |
| 55° | 427.0 | 420.5 | 416.3 | 412.0 | 409.7 | 409.7 | 409.7 | 407.6 | 405.4 | 409.7 | 412.0 |
| 57.5° | 371.2 | 369.1 | 364.8 | 358.2 | 356.1 | 354.0 | 351.8 | 351.8 | 351.8 | 351.8 | 354.0 |
| 60° | 321.9 | 317.6 | 313.2 | 306.8 | 306.8 | 304.6 | 302.5 | 300.3 | 300.3 | 300.3 | 300.3 |
| 62.5° | 278.9 | 272.5 | 266.0 | 261.7 | 259.6 | 257.4 | 255.3 | 251.0 | 251.0 | 251.0 | 251.0 |
| 65° | 236.0 | 229.6 | 225.3 | 221.0 | 216.6 | 216.6 | 212.4 | 210.2 | 205.9 | 203.8 | 199.5 |
| 67.5° | 195.2 | 191.0 | 186.7 | 180.3 | 178.1 | 176.0 | 171.7 | 169.4 | 163.0 | 160.9 | 158.7 |
| 70° | 158.7 | 152.3 | 148.0 | 143.8 | 141.6 | 137.3 | 133.0 | 128.8 | 124.5 | 120.1 | 115.8 |
| 72.5° | 124.5 | 117.9 | 113.7 | 109.4 | 105.1 | 105.1 | 98.7 | 94.4 | 88.0 | 83.7 | 77.3 |
| 75° | 92.3 | 85.8 | 81.6 | 75.1 | 73.0 | 70.7 | 64.3 | 60.0 | 53.6 | 47.2 | 42.9 |
| 77.5° | 62.2 | 57.9 | 53.6 | 47.2 | 42.9 | 42.9 | 36.5 | 32.2 | 27.9 | 21.4 | 19.3 |
| 80° | 38.6 | 34.4 | 30.1 | 25.8 | 25.8 | 21.4 | 19.3 | 15.0 | 10.7 | 8.6 | 6.4 |
| 82.5° | 21.4 | 19.3 | 17.1 | 12.8 | 12.8 | 10.7 | 8.6 | 6.4 | 4.3 | 2.1 | 2.1 |
| 85° | 10.7 | 8.6 | 6.4 | 6.4 | 4.3 | 4.3 | 4.3 | 2.1 | 2.1 | 0.0 | 0.0 |
| 87.5° | 4.3 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 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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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 |
| 2.5° | 1602.7 | 1602.7 | 1600.5 | 1600.5 | 1600.5 | 1598.4 | 1600.5 | 1598.4 | 1598.4 | 1598.4 | 1600.5 |
| 5° | 1594.1 | 1589.8 | 1589.8 | 1587.7 | 1587.7 | 1585.5 | 1587.7 | 1585.5 | 1583.4 | 1581.3 | 1583.4 |
| 7.5° | 1577.0 | 1572.6 | 1570.4 | 1568.3 | 1568.3 | 1568.3 | 1566.2 | 1564.0 | 1566.2 | 1559.7 | 1564.0 |
| 10° | 1553.3 | 1551.2 | 1546.9 | 1544.7 | 1542.6 | 1544.7 | 1542.6 | 1538.3 | 1538.3 | 1538.3 | 1536.2 |
| 12.5° | 1523.2 | 1518.9 | 1516.8 | 1514.7 | 1510.4 | 1510.4 | 1512.5 | 1508.2 | 1508.2 | 1504.0 | 1504.0 |
| 15° | 1486.8 | 1482.6 | 1478.3 | 1478.3 | 1473.9 | 1473.9 | 1471.7 | 1471.7 | 1469.6 | 1467.5 | 1467.5 |
| 17.5° | 1441.8 | 1435.4 | 1431.1 | 1433.2 | 1431.1 | 1428.8 | 1428.8 | 1424.5 | 1422.4 | 1424.5 | 1424.5 |
| 20° | 1388.2 | 1383.9 | 1379.5 | 1381.7 | 1377.3 | 1375.2 | 1377.3 | 1370.9 | 1373.1 | 1373.1 | 1373.1 |
| 22.5° | 1328.0 | 1325.9 | 1319.4 | 1319.4 | 1315.2 | 1313.0 | 1315.2 | 1315.2 | 1317.3 | 1315.2 | 1315.2 |
| 25° | 1261.5 | 1257.2 | 1253.0 | 1253.0 | 1250.8 | 1248.7 | 1250.8 | 1253.0 | 1250.8 | 1253.0 | 1253.0 |
| 27.5° | 1190.8 | 1184.2 | 1184.2 | 1180.0 | 1180.0 | 1182.1 | 1180.0 | 1182.1 | 1184.2 | 1184.2 | 1188.6 |
| 30° | 1113.5 | 1111.4 | 1109.2 | 1107.1 | 1107.1 | 1109.2 | 1109.2 | 1109.2 | 1111.4 | 1115.6 | 1115.6 |
| 32.5° | 1040.5 | 1036.2 | 1031.9 | 1031.9 | 1036.2 | 1034.1 | 1036.2 | 1036.2 | 1040.5 | 1040.5 | 1044.9 |
| 35° | 961.2 | 961.2 | 956.9 | 959.0 | 959.0 | 959.0 | 959.0 | 963.3 | 967.6 | 969.7 | 974.0 |
| 37.5° | 888.2 | 881.8 | 883.9 | 883.9 | 886.0 | 883.9 | 890.3 | 890.3 | 894.6 | 894.6 | 899.0 |
| 40° | 808.9 | 808.9 | 811.0 | 808.9 | 811.0 | 811.0 | 815.3 | 819.6 | 821.7 | 826.0 | 828.1 |
| 42.5° | 733.7 | 738.0 | 733.7 | 735.9 | 738.0 | 740.2 | 742.3 | 744.4 | 753.1 | 757.4 | 763.8 |
| 45° | 665.1 | 667.3 | 669.4 | 671.5 | 669.4 | 673.7 | 675.8 | 680.1 | 686.5 | 688.7 | 690.8 |
| 47.5° | 598.5 | 600.7 | 602.8 | 605.0 | 605.0 | 609.4 | 611.5 | 615.8 | 620.1 | 622.2 | 624.3 |
| 50° | 534.2 | 538.5 | 540.6 | 540.6 | 542.8 | 547.1 | 551.3 | 551.3 | 555.6 | 562.2 | 564.3 |
| 52.5° | 476.3 | 476.3 | 480.6 | 482.7 | 484.9 | 484.9 | 491.3 | 493.4 | 495.6 | 499.9 | 504.1 |
| 55° | 412.0 | 418.4 | 420.5 | 420.5 | 424.8 | 429.1 | 431.3 | 433.4 | 433.4 | 442.0 | 442.0 |
| 57.5° | 356.1 | 358.2 | 362.5 | 362.5 | 362.5 | 369.1 | 369.1 | 373.3 | 375.5 | 377.6 | 381.9 |
| 60° | 300.3 | 304.6 | 304.6 | 306.8 | 304.6 | 308.9 | 311.0 | 315.4 | 317.6 | 319.7 | 321.9 |
| 62.5° | 248.9 | 248.9 | 251.0 | 251.0 | 251.0 | 251.0 | 255.3 | 255.3 | 259.6 | 261.7 | 263.8 |
| 65° | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 199.5 | 201.7 | 201.7 | 205.9 |
| 67.5° | 154.5 | 152.3 | 148.0 | 150.2 | 148.0 | 148.0 | 145.9 | 145.9 | 148.0 | 148.0 | 152.3 |
| 70° | 111.5 | 109.4 | 105.1 | 105.1 | 103.0 | 100.8 | 98.7 | 96.5 | 94.4 | 94.4 | 94.4 |
| 72.5° | 73.0 | 68.6 | 62.2 | 60.0 | 60.0 | 55.8 | 51.5 | 49.3 | 49.3 | 49.3 | 49.3 |
| 75° | 36.5 | 32.2 | 27.9 | 25.8 | 25.8 | 21.4 | 23.5 | 21.4 | 21.4 | 21.4 | 21.4 |
| 77.5° | 15.0 | 10.7 | 8.6 | 8.6 | 8.6 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 80° | 4.3 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 82.5° | 2.1 | 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: P584344

CATALOG NUMBER: HCC8W30D010BZ-HM82555935-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 | 1606.9 |
| 2.5° | 1598.4 | 1598.4 | 1594.1 | 1596.2 | 1596.2 | 1596.2 | 1596.2 | 1596.2 |
| 5° | 1579.1 | 1581.3 | 1579.1 | 1581.3 | 1581.3 | 1579.1 | 1579.1 | 1579.1 |
| 7.5° | 1559.7 | 1561.9 | 1559.7 | 1561.9 | 1561.9 | 1561.9 | 1559.7 | 1559.7 |
| 10° | 1536.2 | 1536.2 | 1536.2 | 1536.2 | 1536.2 | 1534.0 | 1536.2 | 1536.2 |
| 12.5° | 1504.0 | 1504.0 | 1504.0 | 1506.1 | 1506.1 | 1504.0 | 1504.0 | 1501.8 |
| 15° | 1469.6 | 1465.3 | 1467.5 | 1469.6 | 1467.5 | 1467.5 | 1467.5 | 1467.5 |
| 17.5° | 1422.4 | 1424.5 | 1422.4 | 1422.4 | 1422.4 | 1422.4 | 1424.5 | 1422.4 |
| 20° | 1373.1 | 1373.1 | 1375.2 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1370.9 |
| 22.5° | 1317.3 | 1315.2 | 1315.2 | 1317.3 | 1317.3 | 1315.2 | 1317.3 | 1317.3 |
| 25° | 1255.1 | 1257.2 | 1255.1 | 1255.1 | 1257.2 | 1257.2 | 1257.2 | 1255.1 |
| 27.5° | 1188.6 | 1190.8 | 1192.9 | 1190.8 | 1190.8 | 1190.8 | 1192.9 | 1195.1 |
| 30° | 1119.9 | 1124.2 | 1119.9 | 1119.9 | 1124.2 | 1122.1 | 1124.2 | 1124.2 |
| 32.5° | 1047.0 | 1053.5 | 1049.2 | 1053.5 | 1053.5 | 1055.6 | 1053.5 | 1055.6 |
| 35° | 974.0 | 980.4 | 980.4 | 980.4 | 982.6 | 984.7 | 984.7 | 982.6 |
| 37.5° | 905.4 | 907.6 | 907.6 | 911.8 | 914.0 | 916.1 | 916.1 | 914.0 |
| 40° | 834.6 | 838.8 | 841.0 | 841.0 | 841.0 | 845.3 | 849.7 | 845.3 |
| 42.5° | 766.0 | 768.1 | 770.2 | 770.2 | 774.5 | 776.7 | 778.8 | 778.8 |
| 45° | 699.4 | 703.8 | 705.9 | 708.0 | 710.2 | 714.5 | 712.3 | 716.6 |
| 47.5° | 630.8 | 637.2 | 639.3 | 641.5 | 645.7 | 647.9 | 650.0 | 652.2 |
| 50° | 568.6 | 572.9 | 572.9 | 577.1 | 583.6 | 583.6 | 587.8 | 590.0 |
| 52.5° | 506.3 | 508.4 | 510.7 | 512.8 | 517.1 | 521.4 | 521.4 | 525.7 |
| 55° | 446.2 | 448.4 | 448.4 | 450.5 | 452.7 | 461.3 | 463.5 | 463.5 |
| 57.5° | 384.0 | 384.0 | 388.3 | 390.5 | 392.6 | 396.9 | 396.9 | 396.9 |
| 60° | 324.0 | 326.1 | 326.1 | 328.3 | 330.4 | 334.7 | 336.8 | 334.7 |
| 62.5° | 263.8 | 266.0 | 266.0 | 268.2 | 272.5 | 274.7 | 272.5 | 272.5 |
| 65° | 208.1 | 210.2 | 210.2 | 212.4 | 216.6 | 216.6 | 214.5 | 216.6 |
| 67.5° | 152.3 | 152.3 | 152.3 | 152.3 | 152.3 | 152.3 | 152.3 | 152.3 |
| 70° | 96.5 | 94.4 | 92.3 | 94.4 | 94.4 | 94.4 | 92.3 | 96.5 |
| 72.5° | 47.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 47.2 |
| 75° | 21.4 | 21.4 | 19.3 | 19.3 | 19.3 | 21.4 | 21.4 | 19.3 |
| 77.5° | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 80° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)