

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: P584353

Luminaire Tested: **HCC8W30D010MB-HM82555935-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W30D010MB-HM82555935-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

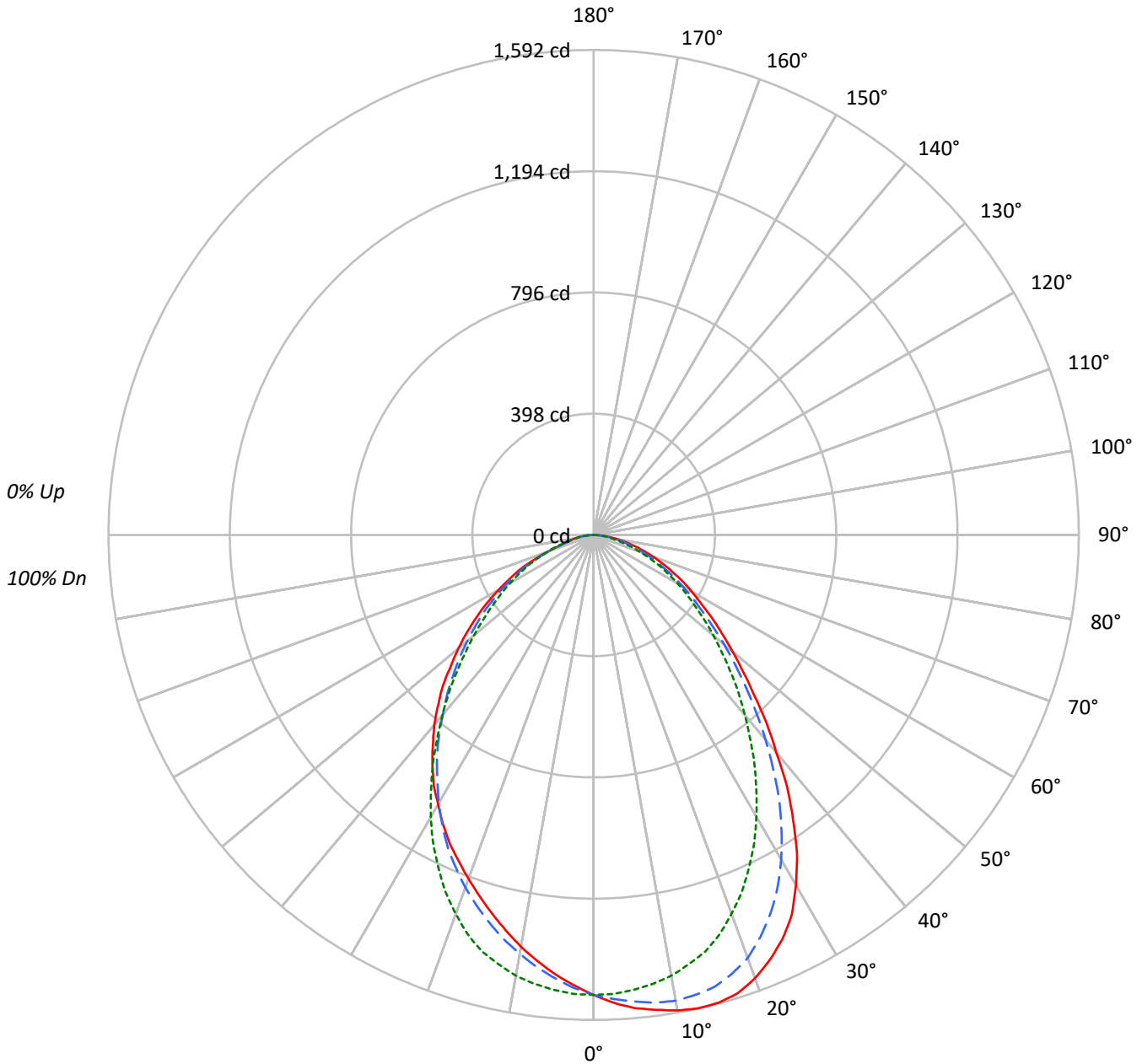
Lumens per Lamp: N/A
Luminaire Lumens: 3037.0 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P584353
CATALOG NUMBER: HCC8W30D010MB-HM82555935-81WWWB

Luminous Intensity Polar Plot



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CATALOG NUMBER: HCC8W30D010MB-HM82555935-81WWWB

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 | 92 | 91 | 89 | 87 | | | | |
| 2 | 102 | 94 | 88 | 83 | 99 | 93 | 87 | 82 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 | | | | |
| 3 | 94 | 84 | 77 | 71 | 91 | 83 | 76 | 71 | 80 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 65 | | | | |
| 4 | 87 | 76 | 68 | 62 | 84 | 75 | 67 | 61 | 72 | 66 | 61 | 70 | 64 | 60 | 68 | 63 | 59 | 57 | | | | |
| 5 | 80 | 69 | 60 | 54 | 78 | 67 | 60 | 54 | 65 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 | | | | |
| 6 | 75 | 62 | 54 | 48 | 73 | 61 | 54 | 48 | 60 | 53 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 45 | | | | |
| 7 | 70 | 57 | 49 | 43 | 68 | 56 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 42 | 40 | | | | |
| 8 | 65 | 52 | 45 | 39 | 64 | 52 | 44 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 38 | 37 | | | | |
| 9 | 61 | 48 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 44 | 37 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 46563 | 46563 | 46563 |
| 5° | 48270 | 46406 | 44815 |
| 10° | 49633 | 46004 | 42982 |
| 15° | 50737 | 45192 | 41086 |
| 20° | 50818 | 43428 | 39414 |
| 25° | 49845 | 41013 | 38019 |
| 30° | 47271 | 38035 | 36354 |
| 35° | 42956 | 34640 | 34719 |
| 40° | 37557 | 31080 | 32722 |
| 45° | 32554 | 27687 | 30496 |
| 50° | 28501 | 24591 | 27786 |
| 55° | 25370 | 21790 | 25139 |
| 60° | 22887 | 19581 | 22091 |
| 65° | 20656 | 17212 | 19248 |
| 70° | 18564 | 14507 | 14308 |
| 75° | 16358 | 11497 | 10735 |
| 80° | 13709 | 9518 | 10282 |
| 85° | 10650 | 8314 | 9093 |



TEST NUMBER: P584353
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 142.4 | 4.7 |
| 10°-20° | 401.2 | 13.2 |
| 20°-30° | 573.4 | 18.9 |
| 30°-40° | 609.3 | 20.1 |
| 40°-50° | 524.6 | 17.3 |
| 50°-60° | 392.2 | 12.9 |
| 60°-70° | 250.2 | 8.2 |
| 70°-80° | 113.8 | 3.7 |
| 80°-90° | 29.9 | 1.0 |
| 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° | 1117.1 | 36.8 |
| 0°-40° | 1726.3 | 56.8 |
| 0°-60° | 2643.1 | 87.0 |
| 0°-90° | 3037.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3037.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1510 | 1510 | 1510 | 1510 | 1510 | |
| 5° | 1559 | 1538 | 1499 | 1461 | 1448 | 149 |
| 15° | 1589 | 1536 | 1416 | 1319 | 1287 | 448 |
| 25° | 1465 | 1373 | 1205 | 1132 | 1117 | 671 |
| 35° | 1141 | 1062 | 920 | 896 | 922 | 711 |
| 45° | 746 | 706 | 635 | 652 | 699 | 580 |
| 55° | 472 | 433 | 405 | 440 | 468 | 424 |
| 65° | 283 | 251 | 236 | 247 | 264 | 282 |
| 75° | 137 | 118 | 96 | 88 | 90 | 146 |
| 85° | 30 | 26 | 24 | 26 | 26 | 36 |
| 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° | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 |
| 2.5° | 1537.9 | 1533.6 | 1535.7 | 1533.6 | 1535.7 | 1535.7 | 1531.4 | 1531.4 | 1531.4 | 1531.4 | 1525.0 |
| 5° | 1559.4 | 1557.2 | 1557.2 | 1555.0 | 1552.8 | 1555.0 | 1552.8 | 1550.7 | 1546.4 | 1544.3 | 1537.9 |
| 7.5° | 1572.2 | 1572.2 | 1572.2 | 1572.2 | 1570.1 | 1567.9 | 1565.8 | 1561.5 | 1557.2 | 1552.8 | 1548.6 |
| 10° | 1585.1 | 1587.2 | 1585.1 | 1582.9 | 1580.8 | 1576.5 | 1574.4 | 1570.1 | 1563.7 | 1557.2 | 1552.8 |
| 12.5° | 1591.5 | 1591.5 | 1589.3 | 1589.3 | 1585.1 | 1582.9 | 1576.5 | 1570.1 | 1563.7 | 1557.2 | 1546.4 |
| 15° | 1589.3 | 1589.3 | 1587.2 | 1585.1 | 1578.6 | 1576.5 | 1572.2 | 1565.8 | 1555.0 | 1546.4 | 1535.7 |
| 17.5° | 1576.5 | 1574.4 | 1570.1 | 1570.1 | 1561.5 | 1559.4 | 1555.0 | 1546.4 | 1535.7 | 1522.9 | 1510.0 |
| 20° | 1548.6 | 1548.6 | 1546.4 | 1544.3 | 1535.7 | 1529.3 | 1525.0 | 1514.3 | 1505.7 | 1490.6 | 1477.8 |
| 22.5° | 1510.0 | 1514.3 | 1510.0 | 1505.7 | 1494.9 | 1492.8 | 1486.4 | 1473.5 | 1460.7 | 1443.4 | 1428.5 |
| 25° | 1465.0 | 1462.8 | 1460.7 | 1456.4 | 1447.8 | 1443.4 | 1434.9 | 1422.0 | 1409.2 | 1389.8 | 1372.7 |
| 27.5° | 1407.1 | 1398.5 | 1398.5 | 1389.8 | 1383.4 | 1377.0 | 1372.7 | 1359.9 | 1342.7 | 1327.6 | 1306.2 |
| 30° | 1327.6 | 1329.8 | 1319.1 | 1316.9 | 1306.2 | 1302.0 | 1293.4 | 1280.4 | 1265.5 | 1248.3 | 1231.2 |
| 32.5° | 1241.9 | 1235.5 | 1235.5 | 1226.8 | 1218.2 | 1211.8 | 1209.7 | 1194.7 | 1181.9 | 1164.6 | 1147.5 |
| 35° | 1141.1 | 1141.1 | 1134.7 | 1132.5 | 1124.0 | 1119.7 | 1113.1 | 1104.6 | 1089.6 | 1074.6 | 1061.7 |
| 37.5° | 1042.4 | 1038.1 | 1036.0 | 1031.7 | 1025.3 | 1018.9 | 1018.9 | 1003.8 | 1001.6 | 984.5 | 967.4 |
| 40° | 933.0 | 937.3 | 933.0 | 926.6 | 924.4 | 920.2 | 918.0 | 909.5 | 903.0 | 887.9 | 877.2 |
| 42.5° | 840.7 | 836.5 | 836.5 | 834.3 | 825.8 | 825.8 | 821.5 | 817.2 | 806.5 | 802.2 | 789.3 |
| 45° | 746.5 | 750.7 | 744.3 | 746.5 | 737.9 | 737.9 | 737.9 | 729.2 | 720.7 | 714.2 | 705.7 |
| 47.5° | 664.9 | 667.0 | 667.0 | 660.6 | 658.5 | 658.5 | 654.2 | 649.9 | 643.5 | 634.9 | 628.5 |
| 50° | 594.1 | 596.3 | 592.0 | 589.9 | 585.6 | 583.4 | 583.4 | 574.9 | 570.5 | 561.9 | 557.6 |
| 52.5° | 529.8 | 529.8 | 527.7 | 527.7 | 521.3 | 521.3 | 516.9 | 510.4 | 506.2 | 501.9 | 491.2 |
| 55° | 471.9 | 471.9 | 469.8 | 467.6 | 467.6 | 461.1 | 459.0 | 452.5 | 448.3 | 439.7 | 433.3 |
| 57.5° | 416.2 | 418.3 | 416.2 | 414.0 | 411.9 | 409.7 | 405.3 | 398.9 | 394.6 | 388.2 | 383.9 |
| 60° | 371.1 | 371.1 | 368.9 | 366.8 | 362.5 | 360.4 | 358.2 | 353.8 | 347.4 | 343.1 | 336.7 |
| 62.5° | 328.2 | 326.0 | 323.9 | 321.7 | 317.5 | 317.5 | 313.2 | 308.9 | 302.5 | 298.1 | 293.8 |
| 65° | 283.1 | 283.1 | 281.0 | 281.0 | 278.8 | 274.5 | 272.4 | 270.3 | 261.7 | 259.6 | 251.0 |
| 67.5° | 242.3 | 244.5 | 240.2 | 240.2 | 235.9 | 235.9 | 233.8 | 227.3 | 225.2 | 220.9 | 216.6 |
| 70° | 205.9 | 205.9 | 205.9 | 203.8 | 199.5 | 197.4 | 195.2 | 190.8 | 188.7 | 184.4 | 180.1 |
| 72.5° | 169.4 | 169.4 | 167.3 | 167.3 | 165.2 | 163.0 | 160.9 | 156.6 | 156.6 | 152.3 | 148.0 |
| 75° | 137.3 | 137.3 | 135.1 | 132.9 | 130.8 | 130.8 | 128.6 | 126.5 | 122.2 | 120.1 | 117.9 |
| 77.5° | 105.1 | 105.1 | 105.1 | 103.0 | 100.8 | 100.8 | 100.8 | 96.5 | 92.3 | 92.3 | 90.1 |
| 80° | 77.2 | 77.2 | 75.0 | 75.0 | 72.9 | 72.9 | 72.9 | 70.7 | 68.6 | 66.5 | 64.3 |
| 82.5° | 51.5 | 51.5 | 51.5 | 51.5 | 49.3 | 49.3 | 49.3 | 47.2 | 45.1 | 45.1 | 45.1 |
| 85° | 30.1 | 30.1 | 30.1 | 30.1 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 25.7 | 25.7 |
| 87.5° | 12.8 | 10.7 | 12.8 | 10.7 | 12.8 | 10.7 | 12.8 | 10.7 | 10.7 | 10.7 | 10.7 |
| 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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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 |
| 2.5° | 1527.2 | 1525.0 | 1522.9 | 1520.7 | 1520.7 | 1518.6 | 1514.3 | 1512.2 | 1510.0 | 1507.9 | 1507.9 |
| 5° | 1535.7 | 1533.6 | 1529.3 | 1525.0 | 1522.9 | 1518.6 | 1514.3 | 1510.0 | 1505.7 | 1499.2 | 1497.1 |
| 7.5° | 1542.1 | 1535.7 | 1531.4 | 1522.9 | 1520.7 | 1516.5 | 1510.0 | 1503.6 | 1494.9 | 1486.4 | 1479.9 |
| 10° | 1542.1 | 1533.6 | 1527.2 | 1516.5 | 1512.2 | 1507.9 | 1499.2 | 1488.5 | 1477.8 | 1469.2 | 1458.5 |
| 12.5° | 1537.9 | 1527.2 | 1516.5 | 1505.7 | 1499.2 | 1492.8 | 1479.9 | 1469.2 | 1456.4 | 1443.4 | 1434.9 |
| 15° | 1522.9 | 1510.0 | 1497.1 | 1484.2 | 1477.8 | 1469.2 | 1456.4 | 1441.3 | 1428.5 | 1415.6 | 1400.6 |
| 17.5° | 1494.9 | 1482.1 | 1467.1 | 1452.1 | 1443.4 | 1437.0 | 1417.8 | 1407.1 | 1387.7 | 1374.8 | 1362.0 |
| 20° | 1458.5 | 1443.4 | 1424.2 | 1409.2 | 1398.5 | 1392.0 | 1377.0 | 1357.7 | 1342.7 | 1323.4 | 1310.5 |
| 22.5° | 1411.3 | 1392.0 | 1372.7 | 1357.7 | 1347.0 | 1338.5 | 1319.1 | 1299.8 | 1287.0 | 1269.7 | 1254.8 |
| 25° | 1355.6 | 1336.2 | 1316.9 | 1295.5 | 1284.8 | 1276.2 | 1259.0 | 1241.9 | 1224.7 | 1205.4 | 1192.6 |
| 27.5° | 1289.1 | 1267.6 | 1250.5 | 1231.2 | 1220.4 | 1207.5 | 1188.3 | 1171.0 | 1153.9 | 1141.1 | 1124.0 |
| 30° | 1216.1 | 1192.6 | 1175.4 | 1156.1 | 1145.4 | 1134.7 | 1115.3 | 1098.2 | 1083.2 | 1068.2 | 1059.5 |
| 32.5° | 1128.2 | 1111.0 | 1093.9 | 1074.6 | 1066.1 | 1059.5 | 1040.3 | 1023.1 | 1005.9 | 993.1 | 986.6 |
| 35° | 1044.5 | 1025.3 | 1010.2 | 993.1 | 982.4 | 975.9 | 958.8 | 943.7 | 935.1 | 920.2 | 911.6 |
| 37.5° | 956.7 | 941.6 | 924.4 | 907.3 | 900.8 | 894.4 | 881.5 | 866.5 | 853.7 | 842.9 | 838.6 |
| 40° | 864.4 | 851.6 | 836.5 | 825.8 | 819.3 | 812.9 | 802.2 | 791.4 | 782.8 | 772.1 | 767.9 |
| 42.5° | 776.4 | 767.9 | 755.0 | 742.2 | 735.6 | 733.5 | 720.7 | 712.1 | 707.8 | 703.5 | 699.3 |
| 45° | 697.1 | 684.3 | 675.6 | 667.0 | 660.6 | 656.3 | 649.9 | 643.5 | 639.2 | 634.9 | 630.6 |
| 47.5° | 619.8 | 609.1 | 600.6 | 594.1 | 587.7 | 585.6 | 581.3 | 574.9 | 570.5 | 570.5 | 570.5 |
| 50° | 549.1 | 540.5 | 532.0 | 527.7 | 525.5 | 521.3 | 516.9 | 514.7 | 512.6 | 512.6 | 512.6 |
| 52.5° | 486.9 | 478.3 | 471.9 | 467.6 | 467.6 | 463.2 | 459.0 | 456.8 | 456.8 | 456.8 | 456.8 |
| 55° | 429.0 | 422.6 | 418.3 | 414.0 | 409.7 | 407.5 | 407.5 | 407.5 | 405.3 | 405.3 | 407.5 |
| 57.5° | 377.5 | 373.2 | 366.8 | 362.5 | 360.4 | 360.4 | 358.2 | 356.1 | 358.2 | 360.4 | 362.5 |
| 60° | 330.3 | 326.0 | 323.9 | 317.5 | 317.5 | 317.5 | 315.3 | 315.3 | 315.3 | 317.5 | 319.6 |
| 62.5° | 287.4 | 285.2 | 281.0 | 278.8 | 276.7 | 276.7 | 274.5 | 274.5 | 274.5 | 274.5 | 276.7 |
| 65° | 248.9 | 244.5 | 240.2 | 240.2 | 240.2 | 238.0 | 238.0 | 233.8 | 235.9 | 235.9 | 233.8 |
| 67.5° | 212.4 | 208.1 | 205.9 | 203.8 | 201.7 | 201.7 | 199.5 | 197.4 | 195.2 | 195.2 | 195.2 |
| 70° | 178.0 | 173.7 | 173.7 | 169.4 | 169.4 | 167.3 | 165.2 | 165.2 | 163.0 | 160.9 | 158.7 |
| 72.5° | 143.8 | 141.6 | 139.5 | 137.3 | 137.3 | 137.3 | 135.1 | 132.9 | 130.8 | 128.6 | 124.4 |
| 75° | 113.7 | 113.7 | 109.4 | 107.2 | 107.2 | 105.1 | 103.0 | 100.8 | 98.7 | 96.5 | 94.4 |
| 77.5° | 88.0 | 85.8 | 81.4 | 79.3 | 79.3 | 79.3 | 77.2 | 75.0 | 72.9 | 70.7 | 68.6 |
| 80° | 64.3 | 62.2 | 60.0 | 57.9 | 57.9 | 57.9 | 55.8 | 55.8 | 53.6 | 53.6 | 53.6 |
| 82.5° | 42.9 | 42.9 | 40.8 | 40.8 | 40.8 | 40.8 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| 85° | 25.7 | 25.7 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 |
| 87.5° | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 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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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 |
| 2.5° | 1503.6 | 1503.6 | 1499.2 | 1497.1 | 1494.9 | 1497.1 | 1492.8 | 1490.6 | 1488.5 | 1488.5 | 1486.4 |
| 5° | 1490.6 | 1488.5 | 1479.9 | 1477.8 | 1475.7 | 1473.5 | 1469.2 | 1465.0 | 1460.7 | 1458.5 | 1456.4 |
| 7.5° | 1473.5 | 1467.1 | 1458.5 | 1456.4 | 1454.3 | 1447.8 | 1441.3 | 1437.0 | 1430.6 | 1428.5 | 1424.2 |
| 10° | 1450.0 | 1441.3 | 1434.9 | 1428.5 | 1424.2 | 1417.8 | 1411.3 | 1404.9 | 1396.4 | 1394.2 | 1387.7 |
| 12.5° | 1422.0 | 1411.3 | 1398.5 | 1396.4 | 1389.8 | 1381.3 | 1372.7 | 1366.3 | 1359.9 | 1355.6 | 1349.2 |
| 15° | 1387.7 | 1377.0 | 1364.1 | 1357.7 | 1351.3 | 1344.9 | 1334.1 | 1325.5 | 1319.1 | 1312.7 | 1306.2 |
| 17.5° | 1347.0 | 1334.1 | 1323.4 | 1316.9 | 1312.7 | 1302.0 | 1293.4 | 1282.6 | 1276.2 | 1269.7 | 1263.3 |
| 20° | 1297.7 | 1287.0 | 1271.9 | 1265.5 | 1263.3 | 1254.8 | 1244.1 | 1239.8 | 1231.2 | 1224.7 | 1220.4 |
| 22.5° | 1241.9 | 1231.2 | 1218.2 | 1214.0 | 1205.4 | 1201.1 | 1190.4 | 1186.1 | 1181.9 | 1175.4 | 1173.2 |
| 25° | 1179.7 | 1168.9 | 1158.2 | 1156.1 | 1149.6 | 1145.4 | 1138.9 | 1132.5 | 1132.5 | 1126.1 | 1126.1 |
| 27.5° | 1115.3 | 1104.6 | 1096.0 | 1091.7 | 1089.6 | 1085.3 | 1078.9 | 1076.8 | 1074.6 | 1072.5 | 1072.5 |
| 30° | 1046.7 | 1033.8 | 1029.6 | 1027.4 | 1025.3 | 1021.0 | 1018.9 | 1014.6 | 1016.7 | 1018.9 | 1016.7 |
| 32.5° | 973.8 | 969.5 | 960.9 | 956.7 | 958.8 | 956.7 | 952.3 | 956.7 | 954.4 | 958.8 | 960.9 |
| 35° | 903.0 | 898.6 | 894.4 | 894.4 | 890.1 | 890.1 | 890.1 | 892.2 | 896.5 | 898.6 | 903.0 |
| 37.5° | 834.3 | 827.9 | 825.8 | 823.6 | 825.8 | 825.8 | 825.8 | 830.0 | 834.3 | 838.6 | 845.0 |
| 40° | 761.4 | 757.2 | 757.2 | 757.2 | 757.2 | 763.6 | 761.4 | 765.7 | 770.0 | 776.4 | 782.8 |
| 42.5° | 692.8 | 692.8 | 695.0 | 695.0 | 695.0 | 695.0 | 699.3 | 705.7 | 712.1 | 718.5 | 724.9 |
| 45° | 628.5 | 628.5 | 628.5 | 632.8 | 632.8 | 634.9 | 643.5 | 647.8 | 652.0 | 658.5 | 664.9 |
| 47.5° | 568.3 | 568.3 | 570.5 | 572.6 | 574.9 | 579.2 | 583.4 | 589.9 | 596.3 | 600.6 | 607.0 |
| 50° | 512.6 | 514.7 | 519.1 | 523.4 | 523.4 | 525.5 | 532.0 | 536.2 | 540.5 | 546.9 | 549.1 |
| 52.5° | 459.0 | 463.2 | 467.6 | 469.8 | 471.9 | 476.2 | 478.3 | 484.8 | 486.9 | 493.3 | 495.5 |
| 55° | 409.7 | 411.9 | 418.3 | 420.4 | 420.4 | 424.7 | 429.0 | 433.3 | 439.7 | 439.7 | 444.0 |
| 57.5° | 364.7 | 366.8 | 371.1 | 373.2 | 371.1 | 377.5 | 379.6 | 383.9 | 386.1 | 390.3 | 392.5 |
| 60° | 319.6 | 323.9 | 326.0 | 326.0 | 328.2 | 330.3 | 334.6 | 334.6 | 338.9 | 343.1 | 343.1 |
| 62.5° | 276.7 | 278.8 | 281.0 | 283.1 | 285.2 | 283.1 | 289.5 | 289.5 | 293.8 | 295.9 | 300.2 |
| 65° | 235.9 | 238.0 | 238.0 | 240.2 | 240.2 | 242.3 | 242.3 | 244.5 | 246.7 | 251.0 | 253.1 |
| 67.5° | 195.2 | 195.2 | 195.2 | 197.4 | 195.2 | 197.4 | 197.4 | 199.5 | 199.5 | 203.8 | 205.9 |
| 70° | 158.7 | 156.6 | 154.5 | 154.5 | 154.5 | 154.5 | 152.3 | 154.5 | 154.5 | 156.6 | 156.6 |
| 72.5° | 122.2 | 120.1 | 117.9 | 115.8 | 115.8 | 113.7 | 111.5 | 113.7 | 113.7 | 115.8 | 115.8 |
| 75° | 92.3 | 88.0 | 88.0 | 88.0 | 85.8 | 85.8 | 85.8 | 88.0 | 88.0 | 88.0 | 90.1 |
| 77.5° | 68.6 | 68.6 | 66.5 | 66.5 | 66.5 | 68.6 | 68.6 | 70.7 | 70.7 | 70.7 | 70.7 |
| 80° | 51.5 | 53.6 | 53.6 | 53.6 | 53.6 | 55.8 | 55.8 | 55.8 | 55.8 | 57.9 | 57.9 |
| 82.5° | 38.6 | 38.6 | 38.6 | 38.6 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| 85° | 23.5 | 25.7 | 25.7 | 23.5 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 87.5° | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 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: P584353

CATALOG NUMBER: HCC8W30D010MB-HM82555935-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 | 1510.0 |
| 2.5° | 1484.2 | 1484.2 | 1484.2 | 1484.2 | 1482.1 | 1482.1 | 1482.1 | 1479.9 |
| 5° | 1452.1 | 1452.1 | 1452.1 | 1447.8 | 1450.0 | 1450.0 | 1445.6 | 1447.8 |
| 7.5° | 1419.9 | 1417.8 | 1415.6 | 1415.6 | 1413.5 | 1411.3 | 1409.2 | 1411.3 |
| 10° | 1383.4 | 1377.0 | 1377.0 | 1374.8 | 1374.8 | 1370.6 | 1370.6 | 1372.7 |
| 12.5° | 1342.7 | 1338.5 | 1338.5 | 1336.2 | 1334.1 | 1331.9 | 1329.8 | 1329.8 |
| 15° | 1302.0 | 1297.7 | 1295.5 | 1293.4 | 1291.3 | 1287.0 | 1289.1 | 1287.0 |
| 17.5° | 1261.2 | 1254.8 | 1254.8 | 1252.6 | 1250.5 | 1246.2 | 1246.2 | 1244.1 |
| 20° | 1214.0 | 1211.8 | 1207.5 | 1209.7 | 1207.5 | 1203.3 | 1201.1 | 1201.1 |
| 22.5° | 1166.8 | 1166.8 | 1164.6 | 1164.6 | 1162.5 | 1160.3 | 1158.2 | 1158.2 |
| 25° | 1121.8 | 1119.7 | 1121.8 | 1121.8 | 1115.3 | 1115.3 | 1115.3 | 1117.4 |
| 27.5° | 1070.3 | 1072.5 | 1070.3 | 1070.3 | 1070.3 | 1070.3 | 1072.5 | 1070.3 |
| 30° | 1018.9 | 1018.9 | 1018.9 | 1021.0 | 1025.3 | 1023.1 | 1023.1 | 1021.0 |
| 32.5° | 963.1 | 965.2 | 965.2 | 967.4 | 969.5 | 973.8 | 973.8 | 975.9 |
| 35° | 907.3 | 911.6 | 913.7 | 911.6 | 918.0 | 918.0 | 922.3 | 922.3 |
| 37.5° | 849.4 | 851.6 | 855.8 | 858.0 | 862.3 | 864.4 | 866.5 | 866.5 |
| 40° | 787.1 | 795.8 | 797.9 | 800.1 | 806.5 | 806.5 | 808.6 | 812.9 |
| 42.5° | 729.2 | 737.9 | 740.0 | 742.2 | 746.5 | 752.9 | 750.7 | 755.0 |
| 45° | 673.4 | 679.9 | 682.0 | 684.3 | 690.7 | 692.8 | 692.8 | 699.3 |
| 47.5° | 613.4 | 617.7 | 619.8 | 624.1 | 628.5 | 632.8 | 637.1 | 634.9 |
| 50° | 553.4 | 559.8 | 564.1 | 566.2 | 572.6 | 574.9 | 577.0 | 579.2 |
| 52.5° | 499.7 | 504.0 | 506.2 | 508.3 | 514.7 | 516.9 | 519.1 | 523.4 |
| 55° | 448.3 | 450.4 | 454.7 | 452.5 | 459.0 | 461.1 | 463.2 | 467.6 |
| 57.5° | 396.8 | 398.9 | 401.0 | 401.0 | 405.3 | 409.7 | 411.9 | 414.0 |
| 60° | 347.4 | 351.7 | 353.8 | 353.8 | 353.8 | 358.2 | 358.2 | 358.2 |
| 62.5° | 302.5 | 302.5 | 304.6 | 304.6 | 308.9 | 308.9 | 308.9 | 308.9 |
| 65° | 255.3 | 257.4 | 259.6 | 259.6 | 263.8 | 261.7 | 266.0 | 263.8 |
| 67.5° | 205.9 | 205.9 | 210.2 | 210.2 | 208.1 | 210.2 | 210.2 | 210.2 |
| 70° | 156.6 | 156.6 | 158.7 | 158.7 | 158.7 | 158.7 | 158.7 | 158.7 |
| 72.5° | 115.8 | 115.8 | 115.8 | 117.9 | 115.8 | 115.8 | 117.9 | 115.8 |
| 75° | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| 77.5° | 70.7 | 70.7 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 80° | 57.9 | 57.9 | 57.9 | 57.9 | 60.0 | 57.9 | 57.9 | 57.9 |
| 82.5° | 42.9 | 40.8 | 42.9 | 40.8 | 42.9 | 42.9 | 42.9 | 42.9 |
| 85° | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 87.5° | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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Scaled Data Report



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

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(END OF REPORT)