

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: P593683

Luminaire Tested: **HCC8W30D010MB-HM82555950-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W30D010MB-HM82555950-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

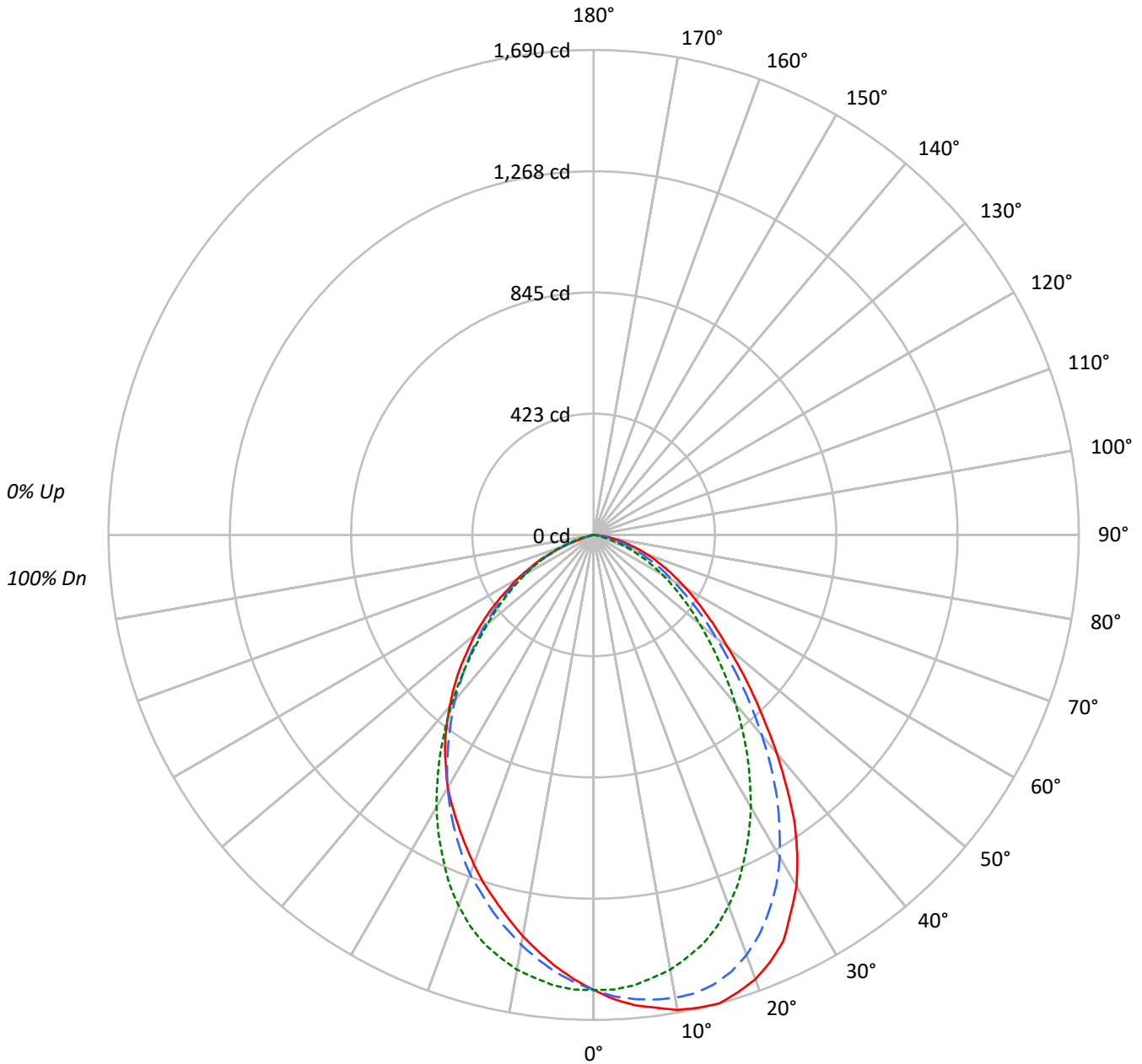
Lumens per Lamp: N/A
Luminaire Lumens: 2953.9 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (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: P593683
CATALOG NUMBER: HCC8W30D010MB-HM82555950-81WWBB

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P593683

CATALOG NUMBER: HCC8W30D010MB-HM82555950-81WWBB

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 | 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 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | | | | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 71 | 77 | 73 | 69 | 67 | | | | | | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 70 | 65 | 61 | 59 | | | | | | | | |
| 5 | 82 | 70 | 63 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 53 | | | | | | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 58 | 53 | 49 | 47 | | | | | | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | | | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | | | | | | |
| 9 | 62 | 50 | 43 | 37 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | | | | |
| 10 | 59 | 47 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 48900 | 48900 | 48900 |
| 5° | 50923 | 48796 | 46741 |
| 10° | 52626 | 48170 | 44460 |
| 15° | 53958 | 47069 | 42153 |
| 20° | 54063 | 45115 | 40058 |
| 25° | 53149 | 42261 | 37988 |
| 30° | 50305 | 38996 | 36212 |
| 35° | 45866 | 35069 | 34000 |
| 40° | 39884 | 30915 | 31394 |
| 45° | 34216 | 26776 | 28734 |
| 50° | 29225 | 23085 | 25814 |
| 55° | 25612 | 19881 | 22429 |
| 60° | 22807 | 16960 | 18859 |
| 65° | 20240 | 13834 | 15045 |
| 70° | 17960 | 10260 | 8547 |
| 75° | 14976 | 5373 | 2538 |
| 80° | 11774 | 1687 | 426 |
| 85° | 8385 | 849 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 149.4 | 5.1 |
| 10°-20° | 418.8 | 14.2 |
| 20°-30° | 592.8 | 20.1 |
| 30°-40° | 620.2 | 21.0 |
| 40°-50° | 517.3 | 17.5 |
| 50°-60° | 366.8 | 12.4 |
| 60°-70° | 211.3 | 7.2 |
| 70°-80° | 68.0 | 2.3 |
| 80°-90° | 9.4 | 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° | 1161.0 | 39.3 |
| 0°-40° | 1781.2 | 60.3 |
| 0°-60° | 2665.3 | 90.2 |
| 0°-90° | 2953.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2953.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1586 | 1586 | 1586 | 1586 | 1586 | |
| 5° | 1645 | 1624 | 1576 | 1529 | 1510 | 158 |
| 15° | 1690 | 1621 | 1474 | 1358 | 1320 | 475 |
| 25° | 1562 | 1446 | 1242 | 1142 | 1116 | 713 |
| 35° | 1218 | 1112 | 932 | 882 | 903 | 755 |
| 45° | 785 | 721 | 614 | 621 | 659 | 608 |
| 55° | 476 | 427 | 370 | 389 | 417 | 430 |
| 65° | 277 | 232 | 190 | 190 | 206 | 277 |
| 75° | 126 | 92 | 45 | 21 | 21 | 136 |
| 85° | 24 | 12 | 2 | 0 | 0 | 30 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P593683

CATALOG NUMBER: HCC8W30D010MB-HM82555950-81WWBB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 |
| 2.5° | 1619.1 | 1616.7 | 1614.3 | 1616.7 | 1614.3 | 1616.7 | 1614.3 | 1614.3 | 1611.9 | 1609.5 | 1609.5 |
| 5° | 1645.1 | 1642.7 | 1642.7 | 1642.7 | 1640.3 | 1638.0 | 1638.0 | 1635.6 | 1630.8 | 1628.5 | 1623.7 |
| 7.5° | 1661.6 | 1664.0 | 1664.0 | 1664.0 | 1659.4 | 1659.4 | 1654.6 | 1649.9 | 1645.1 | 1640.3 | 1633.2 |
| 10° | 1680.7 | 1680.7 | 1678.3 | 1675.9 | 1671.1 | 1668.8 | 1666.4 | 1661.6 | 1654.6 | 1645.1 | 1638.0 |
| 12.5° | 1687.8 | 1687.8 | 1685.4 | 1680.7 | 1678.3 | 1675.9 | 1673.5 | 1666.4 | 1657.0 | 1645.1 | 1635.6 |
| 15° | 1690.2 | 1685.4 | 1683.0 | 1680.7 | 1675.9 | 1668.8 | 1668.8 | 1659.4 | 1647.5 | 1633.2 | 1621.4 |
| 17.5° | 1671.1 | 1673.5 | 1668.8 | 1664.0 | 1657.0 | 1652.2 | 1645.1 | 1638.0 | 1623.7 | 1607.2 | 1595.3 |
| 20° | 1647.5 | 1645.1 | 1642.7 | 1635.6 | 1626.1 | 1623.7 | 1616.7 | 1604.8 | 1592.9 | 1574.0 | 1557.4 |
| 22.5° | 1609.5 | 1607.2 | 1602.4 | 1597.7 | 1588.1 | 1583.5 | 1576.4 | 1562.1 | 1545.6 | 1526.6 | 1507.7 |
| 25° | 1562.1 | 1557.4 | 1550.2 | 1540.8 | 1533.7 | 1528.9 | 1519.4 | 1505.3 | 1486.2 | 1465.0 | 1445.9 |
| 27.5° | 1486.2 | 1493.4 | 1488.6 | 1474.4 | 1467.3 | 1457.8 | 1455.5 | 1436.4 | 1419.9 | 1398.6 | 1377.2 |
| 30° | 1412.8 | 1412.8 | 1405.6 | 1398.6 | 1386.7 | 1379.6 | 1370.1 | 1355.9 | 1339.3 | 1313.3 | 1296.6 |
| 32.5° | 1320.4 | 1318.0 | 1308.5 | 1306.1 | 1296.6 | 1282.5 | 1280.1 | 1261.1 | 1244.5 | 1225.5 | 1204.2 |
| 35° | 1218.4 | 1213.6 | 1204.2 | 1197.1 | 1192.3 | 1185.2 | 1178.1 | 1161.5 | 1144.9 | 1126.0 | 1111.7 |
| 37.5° | 1102.2 | 1102.2 | 1099.9 | 1088.1 | 1083.3 | 1078.5 | 1071.4 | 1054.9 | 1045.4 | 1026.3 | 1012.2 |
| 40° | 990.8 | 988.4 | 981.4 | 979.0 | 974.3 | 967.1 | 962.4 | 952.9 | 938.7 | 924.4 | 910.3 |
| 42.5° | 881.8 | 884.1 | 874.7 | 877.0 | 867.6 | 862.9 | 860.5 | 846.2 | 839.2 | 824.9 | 813.0 |
| 45° | 784.6 | 782.2 | 777.5 | 775.1 | 770.4 | 765.6 | 761.0 | 753.8 | 741.9 | 727.7 | 720.7 |
| 47.5° | 694.5 | 687.5 | 687.5 | 685.1 | 682.7 | 673.2 | 670.8 | 663.7 | 656.6 | 642.4 | 632.9 |
| 50° | 609.2 | 609.2 | 609.2 | 606.9 | 599.7 | 597.4 | 592.6 | 585.5 | 578.3 | 568.9 | 554.7 |
| 52.5° | 540.5 | 540.5 | 540.5 | 538.1 | 528.6 | 526.3 | 523.9 | 514.4 | 504.8 | 497.8 | 488.3 |
| 55° | 476.4 | 478.8 | 476.4 | 471.7 | 464.7 | 464.7 | 457.5 | 452.8 | 443.3 | 436.1 | 426.7 |
| 57.5° | 422.0 | 422.0 | 417.2 | 414.8 | 410.1 | 407.7 | 403.0 | 398.2 | 386.4 | 379.3 | 367.4 |
| 60° | 369.8 | 367.4 | 367.4 | 362.6 | 357.9 | 353.3 | 350.9 | 343.7 | 339.0 | 327.1 | 317.6 |
| 62.5° | 322.3 | 322.3 | 317.6 | 317.6 | 308.2 | 308.2 | 305.8 | 298.7 | 291.5 | 279.8 | 275.0 |
| 65° | 277.4 | 277.4 | 275.0 | 272.6 | 265.5 | 263.1 | 260.7 | 253.6 | 246.5 | 239.5 | 232.3 |
| 67.5° | 237.1 | 237.1 | 232.3 | 230.0 | 225.2 | 222.8 | 218.1 | 213.3 | 206.2 | 199.2 | 192.0 |
| 70° | 199.2 | 196.8 | 194.4 | 192.0 | 187.3 | 184.9 | 180.1 | 175.4 | 168.2 | 163.6 | 156.5 |
| 72.5° | 161.2 | 161.2 | 158.9 | 154.1 | 151.7 | 149.3 | 147.0 | 142.2 | 135.1 | 128.1 | 123.3 |
| 75° | 125.7 | 125.7 | 125.7 | 120.9 | 116.2 | 113.8 | 113.8 | 109.0 | 104.3 | 97.1 | 92.5 |
| 77.5° | 97.1 | 94.8 | 92.5 | 92.5 | 87.7 | 85.4 | 83.0 | 80.6 | 73.5 | 71.1 | 66.3 |
| 80° | 66.3 | 68.7 | 66.3 | 64.0 | 61.6 | 59.2 | 59.2 | 54.6 | 52.2 | 47.4 | 42.7 |
| 82.5° | 45.1 | 42.7 | 42.7 | 40.3 | 40.3 | 37.9 | 37.9 | 33.2 | 30.8 | 28.4 | 26.0 |
| 85° | 23.7 | 23.7 | 21.3 | 21.3 | 21.3 | 18.9 | 18.9 | 16.6 | 16.6 | 14.3 | 11.9 |
| 87.5° | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 4.8 | 4.8 | 4.8 |
| 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° | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 |
| 2.5° | 1607.2 | 1602.4 | 1600.0 | 1600.0 | 1597.7 | 1595.3 | 1592.9 | 1590.5 | 1585.8 | 1585.8 | 1581.1 |
| 5° | 1619.1 | 1614.3 | 1611.9 | 1604.8 | 1600.0 | 1600.0 | 1590.5 | 1588.1 | 1581.1 | 1576.4 | 1571.6 |
| 7.5° | 1628.5 | 1619.1 | 1611.9 | 1604.8 | 1600.0 | 1595.3 | 1585.8 | 1576.4 | 1566.9 | 1557.4 | 1552.6 |
| 10° | 1628.5 | 1619.1 | 1607.2 | 1595.3 | 1590.5 | 1585.8 | 1574.0 | 1559.7 | 1548.0 | 1538.4 | 1526.6 |
| 12.5° | 1623.7 | 1609.5 | 1595.3 | 1585.8 | 1576.4 | 1569.2 | 1555.0 | 1540.8 | 1526.6 | 1507.7 | 1498.1 |
| 15° | 1609.5 | 1590.5 | 1576.4 | 1559.7 | 1552.6 | 1540.8 | 1528.9 | 1507.7 | 1491.0 | 1474.4 | 1462.6 |
| 17.5° | 1581.1 | 1557.4 | 1540.8 | 1524.2 | 1512.3 | 1505.3 | 1486.2 | 1467.3 | 1448.3 | 1429.4 | 1415.1 |
| 20° | 1538.4 | 1517.0 | 1498.1 | 1476.7 | 1467.3 | 1457.8 | 1434.2 | 1415.1 | 1396.2 | 1374.8 | 1360.7 |
| 22.5° | 1486.2 | 1465.0 | 1438.8 | 1422.3 | 1408.0 | 1396.2 | 1374.8 | 1353.6 | 1334.5 | 1315.6 | 1296.6 |
| 25° | 1422.3 | 1400.9 | 1377.2 | 1351.2 | 1341.7 | 1329.8 | 1306.1 | 1284.8 | 1263.4 | 1242.1 | 1225.5 |
| 27.5° | 1353.6 | 1325.0 | 1306.1 | 1277.7 | 1268.2 | 1256.3 | 1230.3 | 1206.6 | 1187.6 | 1171.0 | 1152.0 |
| 30° | 1270.6 | 1249.3 | 1223.1 | 1197.1 | 1187.6 | 1175.7 | 1154.4 | 1133.1 | 1114.1 | 1095.2 | 1076.2 |
| 32.5° | 1180.4 | 1159.2 | 1133.1 | 1114.1 | 1099.9 | 1090.4 | 1069.0 | 1050.1 | 1031.1 | 1012.2 | 995.5 |
| 35° | 1085.7 | 1062.0 | 1043.0 | 1024.1 | 1012.2 | 1000.3 | 979.0 | 962.4 | 948.2 | 931.6 | 914.9 |
| 37.5° | 988.4 | 971.9 | 952.9 | 931.6 | 919.7 | 910.3 | 893.7 | 874.7 | 862.9 | 848.6 | 836.8 |
| 40° | 893.7 | 874.7 | 858.1 | 839.2 | 829.7 | 822.6 | 805.9 | 791.8 | 779.9 | 768.0 | 761.0 |
| 42.5° | 796.5 | 779.9 | 763.3 | 751.4 | 744.3 | 737.2 | 725.4 | 708.8 | 701.6 | 689.9 | 682.7 |
| 45° | 706.4 | 692.1 | 680.3 | 663.7 | 658.9 | 654.2 | 640.0 | 628.1 | 621.0 | 614.0 | 609.2 |
| 47.5° | 621.0 | 611.6 | 597.4 | 587.8 | 580.7 | 576.1 | 566.6 | 557.0 | 549.9 | 545.2 | 540.5 |
| 50° | 547.5 | 535.8 | 526.3 | 516.7 | 512.0 | 504.8 | 495.5 | 490.7 | 485.9 | 481.2 | 481.2 |
| 52.5° | 478.8 | 466.9 | 457.5 | 450.4 | 445.6 | 440.9 | 433.7 | 431.4 | 426.7 | 426.7 | 424.4 |
| 55° | 414.8 | 407.7 | 398.2 | 388.8 | 386.4 | 384.0 | 379.3 | 374.5 | 372.2 | 369.8 | 372.2 |
| 57.5° | 360.3 | 353.3 | 343.7 | 336.6 | 334.2 | 331.8 | 329.5 | 324.7 | 322.3 | 322.3 | 322.3 |
| 60° | 310.6 | 303.4 | 296.3 | 289.2 | 289.2 | 284.4 | 282.0 | 279.8 | 277.4 | 275.0 | 275.0 |
| 62.5° | 265.5 | 258.4 | 251.2 | 246.5 | 244.1 | 241.8 | 237.1 | 234.7 | 232.3 | 232.3 | 230.0 |
| 65° | 225.2 | 215.7 | 213.3 | 206.2 | 203.9 | 201.5 | 199.2 | 194.4 | 192.0 | 189.6 | 187.3 |
| 67.5° | 184.9 | 180.1 | 173.0 | 168.2 | 166.0 | 163.6 | 161.2 | 156.5 | 154.1 | 151.7 | 147.0 |
| 70° | 149.3 | 144.6 | 139.8 | 135.1 | 132.7 | 130.4 | 125.7 | 120.9 | 118.5 | 113.8 | 106.7 |
| 72.5° | 116.2 | 111.4 | 106.7 | 101.9 | 99.5 | 97.1 | 92.5 | 87.7 | 83.0 | 78.2 | 73.5 |
| 75° | 87.7 | 83.0 | 75.9 | 71.1 | 68.7 | 68.7 | 61.6 | 56.8 | 52.2 | 45.1 | 40.3 |
| 77.5° | 61.6 | 54.6 | 52.2 | 47.4 | 45.1 | 40.3 | 35.6 | 30.8 | 26.0 | 23.7 | 18.9 |
| 80° | 40.3 | 35.6 | 30.8 | 28.4 | 26.0 | 23.7 | 21.3 | 16.6 | 11.9 | 9.5 | 7.1 |
| 82.5° | 23.7 | 21.3 | 18.9 | 16.6 | 14.3 | 11.9 | 9.5 | 9.5 | 7.1 | 4.8 | 2.4 |
| 85° | 11.9 | 9.5 | 7.1 | 7.1 | 4.8 | 4.8 | 4.8 | 2.4 | 2.4 | 2.4 | 2.4 |
| 87.5° | 4.8 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 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° | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 |
| 2.5° | 1578.8 | 1576.4 | 1574.0 | 1571.6 | 1571.6 | 1566.9 | 1566.9 | 1564.5 | 1559.7 | 1557.4 | 1557.4 |
| 5° | 1564.5 | 1557.4 | 1552.6 | 1550.2 | 1548.0 | 1540.8 | 1538.4 | 1533.7 | 1528.9 | 1524.2 | 1521.8 |
| 7.5° | 1543.2 | 1531.3 | 1526.6 | 1524.2 | 1517.0 | 1510.0 | 1505.3 | 1498.1 | 1491.0 | 1483.9 | 1481.5 |
| 10° | 1517.0 | 1505.3 | 1493.4 | 1488.6 | 1481.5 | 1476.7 | 1467.3 | 1457.8 | 1450.7 | 1443.6 | 1436.4 |
| 12.5° | 1483.9 | 1469.7 | 1457.8 | 1453.1 | 1445.9 | 1436.4 | 1422.3 | 1417.5 | 1405.6 | 1400.9 | 1391.5 |
| 15° | 1445.9 | 1429.4 | 1417.5 | 1410.4 | 1403.3 | 1389.1 | 1379.6 | 1370.1 | 1358.3 | 1353.6 | 1344.0 |
| 17.5° | 1398.6 | 1379.6 | 1367.7 | 1360.7 | 1355.9 | 1344.0 | 1329.8 | 1318.0 | 1306.1 | 1301.4 | 1294.2 |
| 20° | 1341.7 | 1329.8 | 1313.3 | 1306.1 | 1301.4 | 1287.1 | 1272.9 | 1268.2 | 1258.7 | 1249.3 | 1242.1 |
| 22.5° | 1277.7 | 1265.8 | 1249.3 | 1242.1 | 1239.8 | 1227.9 | 1216.0 | 1209.0 | 1201.8 | 1194.7 | 1187.6 |
| 25° | 1211.4 | 1197.1 | 1182.8 | 1178.1 | 1173.4 | 1163.9 | 1154.4 | 1149.6 | 1142.5 | 1137.8 | 1133.1 |
| 27.5° | 1140.1 | 1126.0 | 1114.1 | 1107.0 | 1102.2 | 1095.2 | 1090.4 | 1085.7 | 1080.9 | 1076.2 | 1073.8 |
| 30° | 1064.3 | 1050.1 | 1040.6 | 1035.9 | 1031.1 | 1028.7 | 1021.7 | 1019.3 | 1017.0 | 1012.2 | 1014.6 |
| 32.5° | 988.4 | 976.6 | 967.1 | 960.0 | 960.0 | 955.2 | 952.9 | 952.9 | 950.6 | 950.6 | 950.6 |
| 35° | 905.5 | 898.4 | 891.3 | 888.9 | 886.5 | 884.1 | 881.8 | 884.1 | 881.8 | 884.1 | 886.5 |
| 37.5° | 829.7 | 822.6 | 817.8 | 815.4 | 813.0 | 815.4 | 813.0 | 813.0 | 815.4 | 820.2 | 822.6 |
| 40° | 751.4 | 746.7 | 741.9 | 744.3 | 741.9 | 741.9 | 741.9 | 749.1 | 751.4 | 753.8 | 756.2 |
| 42.5° | 678.0 | 673.2 | 670.8 | 670.8 | 673.2 | 670.8 | 675.6 | 678.0 | 682.7 | 689.9 | 694.5 |
| 45° | 606.9 | 604.5 | 604.5 | 606.9 | 604.5 | 609.2 | 609.2 | 614.0 | 621.0 | 625.8 | 630.5 |
| 47.5° | 540.5 | 540.5 | 540.5 | 542.8 | 542.8 | 545.2 | 549.9 | 552.3 | 557.0 | 561.8 | 566.6 |
| 50° | 478.8 | 481.2 | 483.6 | 483.6 | 483.6 | 488.3 | 493.1 | 495.5 | 497.8 | 500.2 | 507.2 |
| 52.5° | 424.4 | 426.7 | 426.7 | 429.0 | 431.4 | 433.7 | 436.1 | 440.9 | 443.3 | 448.0 | 450.4 |
| 55° | 372.2 | 372.2 | 376.9 | 379.3 | 379.3 | 379.3 | 384.0 | 384.0 | 388.8 | 391.2 | 395.8 |
| 57.5° | 322.3 | 324.7 | 324.7 | 327.1 | 327.1 | 329.5 | 331.8 | 334.2 | 336.6 | 339.0 | 341.4 |
| 60° | 275.0 | 275.0 | 275.0 | 277.4 | 279.8 | 282.0 | 279.8 | 284.4 | 284.4 | 289.2 | 291.5 |
| 62.5° | 230.0 | 232.3 | 232.3 | 232.3 | 232.3 | 232.3 | 232.3 | 234.7 | 237.1 | 239.5 | 241.8 |
| 65° | 187.3 | 187.3 | 187.3 | 184.9 | 187.3 | 184.9 | 187.3 | 189.6 | 189.6 | 192.0 | 194.4 |
| 67.5° | 144.6 | 144.6 | 139.8 | 139.8 | 142.2 | 142.2 | 142.2 | 142.2 | 139.8 | 144.6 | 144.6 |
| 70° | 104.3 | 101.9 | 99.5 | 97.1 | 97.1 | 94.8 | 94.8 | 92.5 | 92.5 | 92.5 | 92.5 |
| 72.5° | 68.7 | 64.0 | 59.2 | 56.8 | 54.6 | 54.6 | 49.8 | 47.4 | 49.8 | 49.8 | 49.8 |
| 75° | 35.6 | 30.8 | 28.4 | 26.0 | 23.7 | 23.7 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 |
| 77.5° | 14.3 | 11.9 | 9.5 | 9.5 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| 80° | 4.8 | 4.8 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 82.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 85° | 2.4 | 0.0 | 0.0 | 2.4 | 0.0 | 2.4 | 2.4 | 2.4 | 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: P593683

CATALOG NUMBER: HCC8W30D010MB-HM82555950-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 | 1585.8 |
| 2.5° | 1555.0 | 1555.0 | 1552.6 | 1555.0 | 1550.2 | 1552.6 | 1550.2 | 1550.2 |
| 5° | 1519.4 | 1514.7 | 1514.7 | 1514.7 | 1512.3 | 1512.3 | 1510.0 | 1510.0 |
| 7.5° | 1476.7 | 1474.4 | 1472.1 | 1469.7 | 1467.3 | 1465.0 | 1465.0 | 1465.0 |
| 10° | 1434.2 | 1429.4 | 1429.4 | 1427.0 | 1422.3 | 1419.9 | 1419.9 | 1419.9 |
| 12.5° | 1384.4 | 1382.0 | 1379.6 | 1379.6 | 1370.1 | 1372.5 | 1370.1 | 1370.1 |
| 15° | 1336.9 | 1334.5 | 1334.5 | 1327.4 | 1322.8 | 1322.8 | 1322.8 | 1320.4 |
| 17.5° | 1287.1 | 1284.8 | 1282.5 | 1277.7 | 1272.9 | 1272.9 | 1270.6 | 1272.9 |
| 20° | 1235.0 | 1232.6 | 1227.9 | 1227.9 | 1225.5 | 1223.1 | 1218.4 | 1220.7 |
| 22.5° | 1182.8 | 1178.1 | 1175.7 | 1175.7 | 1173.4 | 1173.4 | 1168.7 | 1168.7 |
| 25° | 1128.4 | 1126.0 | 1123.6 | 1126.0 | 1121.2 | 1121.2 | 1116.5 | 1116.5 |
| 27.5° | 1071.4 | 1069.0 | 1069.0 | 1069.0 | 1066.7 | 1069.0 | 1066.7 | 1066.7 |
| 30° | 1014.6 | 1014.6 | 1012.2 | 1012.2 | 1014.6 | 1012.2 | 1014.6 | 1017.0 |
| 32.5° | 952.9 | 952.9 | 955.2 | 955.2 | 957.6 | 957.6 | 957.6 | 957.6 |
| 35° | 888.9 | 893.7 | 893.7 | 896.0 | 898.4 | 900.8 | 900.8 | 903.2 |
| 37.5° | 829.7 | 832.1 | 834.4 | 836.8 | 841.5 | 841.5 | 841.5 | 841.5 |
| 40° | 765.6 | 768.0 | 772.7 | 770.4 | 779.9 | 782.2 | 779.9 | 779.9 |
| 42.5° | 699.3 | 704.0 | 706.4 | 711.1 | 713.5 | 718.3 | 720.7 | 720.7 |
| 45° | 637.7 | 640.0 | 644.8 | 649.6 | 651.9 | 658.9 | 658.9 | 658.9 |
| 47.5° | 573.7 | 578.3 | 580.7 | 585.5 | 587.8 | 595.0 | 597.4 | 595.0 |
| 50° | 512.0 | 516.7 | 521.5 | 521.5 | 528.6 | 531.0 | 535.8 | 538.1 |
| 52.5° | 452.8 | 455.1 | 459.9 | 462.3 | 466.9 | 471.7 | 474.1 | 476.4 |
| 55° | 395.8 | 398.2 | 403.0 | 403.0 | 410.1 | 412.5 | 417.2 | 417.2 |
| 57.5° | 343.7 | 346.1 | 350.9 | 348.5 | 353.3 | 357.9 | 357.9 | 355.5 |
| 60° | 293.9 | 293.9 | 293.9 | 298.7 | 301.1 | 303.4 | 305.8 | 305.8 |
| 62.5° | 241.8 | 246.5 | 248.9 | 248.9 | 251.2 | 253.6 | 253.6 | 251.2 |
| 65° | 194.4 | 199.2 | 201.5 | 201.5 | 203.9 | 203.9 | 203.9 | 206.2 |
| 67.5° | 147.0 | 147.0 | 147.0 | 149.3 | 147.0 | 147.0 | 147.0 | 147.0 |
| 70° | 92.5 | 92.5 | 92.5 | 92.5 | 90.1 | 92.5 | 92.5 | 94.8 |
| 72.5° | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 75° | 21.3 | 21.3 | 21.3 | 23.7 | 21.3 | 21.3 | 21.3 | 21.3 |
| 77.5° | 9.5 | 7.1 | 9.5 | 9.5 | 7.1 | 7.1 | 7.1 | 7.1 |
| 80° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 82.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 85° | 0.0 | 2.4 | 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)