

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: P584336

Luminaire Tested: **HCC8S30D010MW-HM82555930-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584336
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: HCC8S30D010MW-HM82555930-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

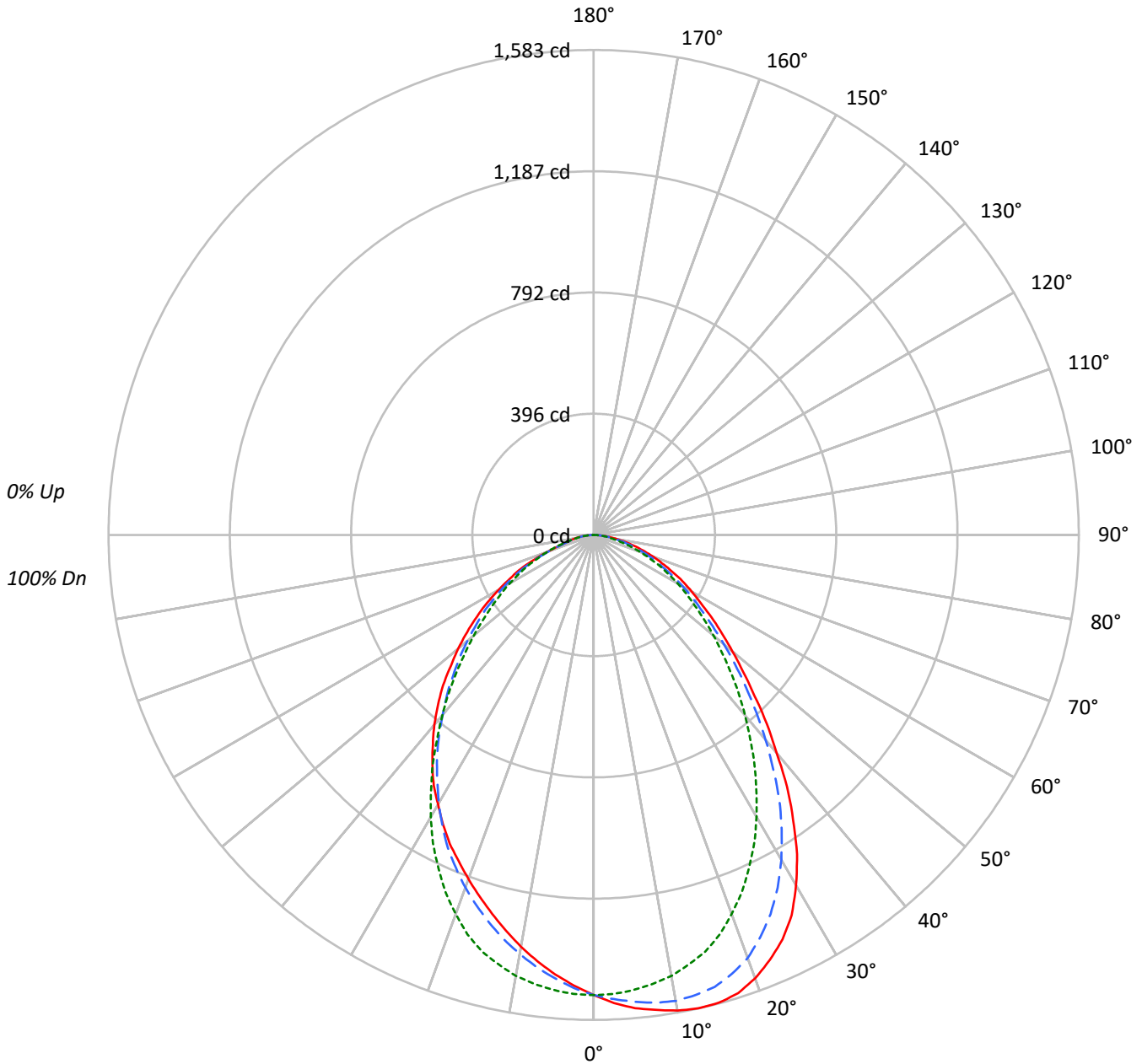
Lumens per Lamp: N/A
Luminaire Lumens: 3020.7 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P584336
CATALOG NUMBER: HCC8S30D010MW-HM82555930-81WWWB

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 | 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° | 46313 | 46313 | 46313 |
| 5° | 48007 | 46159 | 44574 |
| 10° | 49367 | 45759 | 42750 |
| 15° | 50466 | 44949 | 40866 |
| 20° | 50545 | 43195 | 39204 |
| 25° | 49577 | 40795 | 37818 |
| 30° | 47019 | 37829 | 36159 |
| 35° | 42722 | 34452 | 34531 |
| 40° | 37356 | 30915 | 32545 |
| 45° | 32375 | 27539 | 30326 |
| 50° | 28347 | 24457 | 27637 |
| 55° | 25230 | 21677 | 24999 |
| 60° | 22763 | 19476 | 21968 |
| 65° | 20547 | 17125 | 19146 |
| 70° | 18456 | 14425 | 14236 |
| 75° | 16263 | 11438 | 10687 |
| 80° | 13638 | 9483 | 10211 |
| 85° | 10543 | 8279 | 9057 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 141.7 | 4.7 |
| 10°-20° | 399.1 | 13.2 |
| 20°-30° | 570.3 | 18.9 |
| 30°-40° | 606.0 | 20.1 |
| 40°-50° | 521.8 | 17.3 |
| 50°-60° | 390.1 | 12.9 |
| 60°-70° | 248.8 | 8.2 |
| 70°-80° | 113.2 | 3.7 |
| 80°-90° | 29.7 | 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° | 1111.1 | 36.8 |
| 0°-40° | 1717.1 | 56.8 |
| 0°-60° | 2628.9 | 87.0 |
| 0°-90° | 3020.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3020.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1502 | 1502 | 1502 | 1502 | 1502 | |
| 5° | 1551 | 1530 | 1491 | 1453 | 1440 | 149 |
| 15° | 1581 | 1528 | 1408 | 1312 | 1280 | 445 |
| 25° | 1457 | 1365 | 1199 | 1126 | 1112 | 667 |
| 35° | 1135 | 1056 | 915 | 892 | 917 | 707 |
| 45° | 742 | 702 | 632 | 649 | 695 | 577 |
| 55° | 469 | 431 | 403 | 437 | 465 | 422 |
| 65° | 282 | 250 | 235 | 245 | 262 | 281 |
| 75° | 136 | 117 | 96 | 88 | 90 | 145 |
| 85° | 30 | 26 | 23 | 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° | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 |
| 2.5° | 1529.6 | 1525.4 | 1527.5 | 1525.4 | 1527.5 | 1527.5 | 1523.2 | 1523.2 | 1523.2 | 1523.2 | 1516.8 |
| 5° | 1550.9 | 1548.8 | 1548.8 | 1546.7 | 1544.5 | 1546.7 | 1544.5 | 1542.5 | 1538.2 | 1536.1 | 1529.6 |
| 7.5° | 1563.8 | 1563.8 | 1563.8 | 1563.8 | 1561.6 | 1559.5 | 1557.4 | 1553.1 | 1548.8 | 1544.5 | 1540.3 |
| 10° | 1576.6 | 1578.8 | 1576.6 | 1574.5 | 1572.3 | 1568.1 | 1565.9 | 1561.6 | 1555.2 | 1548.8 | 1544.5 |
| 12.5° | 1582.9 | 1582.9 | 1580.8 | 1580.8 | 1576.6 | 1574.5 | 1568.1 | 1561.6 | 1555.2 | 1548.8 | 1538.2 |
| 15° | 1580.8 | 1580.8 | 1578.8 | 1576.6 | 1570.2 | 1568.1 | 1563.8 | 1557.4 | 1546.7 | 1538.2 | 1527.5 |
| 17.5° | 1568.1 | 1565.9 | 1561.6 | 1561.6 | 1553.1 | 1550.9 | 1546.7 | 1538.2 | 1527.5 | 1514.7 | 1501.9 |
| 20° | 1540.3 | 1540.3 | 1538.2 | 1536.1 | 1527.5 | 1521.1 | 1516.8 | 1506.2 | 1497.7 | 1482.7 | 1469.8 |
| 22.5° | 1501.9 | 1506.2 | 1501.9 | 1497.7 | 1487.0 | 1484.8 | 1478.4 | 1465.7 | 1452.8 | 1435.7 | 1420.9 |
| 25° | 1457.1 | 1455.0 | 1452.8 | 1448.6 | 1440.0 | 1435.7 | 1427.3 | 1414.4 | 1401.6 | 1382.5 | 1365.3 |
| 27.5° | 1399.5 | 1391.0 | 1391.0 | 1382.5 | 1376.0 | 1369.6 | 1365.3 | 1352.6 | 1335.5 | 1320.5 | 1299.2 |
| 30° | 1320.5 | 1322.6 | 1312.1 | 1309.9 | 1299.2 | 1294.9 | 1286.4 | 1273.7 | 1258.7 | 1241.7 | 1224.6 |
| 32.5° | 1235.3 | 1228.8 | 1228.8 | 1220.3 | 1211.7 | 1205.4 | 1203.3 | 1188.3 | 1175.4 | 1158.4 | 1141.3 |
| 35° | 1134.9 | 1134.9 | 1128.6 | 1126.5 | 1117.9 | 1113.6 | 1107.2 | 1098.6 | 1083.8 | 1068.8 | 1056.1 |
| 37.5° | 1036.8 | 1032.5 | 1030.4 | 1026.1 | 1019.8 | 1013.4 | 1013.4 | 998.4 | 996.3 | 979.3 | 962.1 |
| 40° | 928.0 | 932.3 | 928.0 | 921.6 | 919.5 | 915.2 | 913.0 | 904.6 | 898.2 | 883.2 | 872.6 |
| 42.5° | 836.3 | 832.1 | 832.1 | 829.9 | 821.4 | 821.4 | 817.1 | 812.8 | 802.1 | 797.9 | 785.1 |
| 45° | 742.4 | 746.7 | 740.3 | 742.4 | 733.9 | 733.9 | 733.9 | 725.3 | 716.8 | 710.4 | 701.9 |
| 47.5° | 661.3 | 663.5 | 663.5 | 657.0 | 654.9 | 654.9 | 650.7 | 646.5 | 640.0 | 631.5 | 625.1 |
| 50° | 590.9 | 593.1 | 588.8 | 586.7 | 582.4 | 580.2 | 580.2 | 571.8 | 567.5 | 558.9 | 554.7 |
| 52.5° | 527.0 | 527.0 | 524.8 | 524.8 | 518.4 | 518.4 | 514.1 | 507.7 | 503.4 | 499.3 | 488.6 |
| 55° | 469.3 | 469.3 | 467.2 | 465.0 | 465.0 | 458.7 | 456.6 | 450.2 | 445.9 | 437.3 | 430.9 |
| 57.5° | 413.9 | 416.0 | 413.9 | 411.8 | 409.6 | 407.5 | 403.2 | 396.8 | 392.5 | 386.2 | 381.9 |
| 60° | 369.1 | 369.1 | 366.9 | 364.8 | 360.5 | 358.4 | 356.2 | 352.1 | 345.6 | 341.4 | 334.9 |
| 62.5° | 326.4 | 324.2 | 322.1 | 320.0 | 315.8 | 315.8 | 311.5 | 307.2 | 300.8 | 296.5 | 292.3 |
| 65° | 281.6 | 281.6 | 279.4 | 279.4 | 277.4 | 273.1 | 271.0 | 268.8 | 260.3 | 258.1 | 249.6 |
| 67.5° | 241.1 | 243.2 | 239.0 | 239.0 | 234.7 | 234.7 | 232.6 | 226.1 | 224.0 | 219.7 | 215.4 |
| 70° | 204.7 | 204.7 | 204.7 | 202.7 | 198.4 | 196.3 | 194.2 | 189.9 | 187.7 | 183.5 | 179.2 |
| 72.5° | 168.5 | 168.5 | 166.5 | 166.5 | 164.3 | 162.2 | 160.0 | 155.8 | 155.8 | 151.5 | 147.2 |
| 75° | 136.5 | 136.5 | 134.4 | 132.2 | 130.2 | 130.2 | 128.1 | 125.9 | 121.6 | 119.5 | 117.4 |
| 77.5° | 104.5 | 104.5 | 104.5 | 102.4 | 100.2 | 100.2 | 100.2 | 96.0 | 91.8 | 91.8 | 89.7 |
| 80° | 76.8 | 76.8 | 74.7 | 74.7 | 72.5 | 72.5 | 72.5 | 70.4 | 68.2 | 66.1 | 64.0 |
| 82.5° | 51.2 | 51.2 | 51.2 | 51.2 | 49.1 | 49.1 | 49.1 | 47.0 | 44.8 | 44.8 | 44.8 |
| 85° | 29.8 | 29.8 | 29.8 | 29.8 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 25.6 | 25.6 |
| 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° | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 |
| 2.5° | 1518.9 | 1516.8 | 1514.7 | 1512.5 | 1512.5 | 1510.4 | 1506.2 | 1504.1 | 1501.9 | 1499.8 | 1499.8 |
| 5° | 1527.5 | 1525.4 | 1521.1 | 1516.8 | 1514.7 | 1510.4 | 1506.2 | 1501.9 | 1497.7 | 1491.2 | 1489.1 |
| 7.5° | 1533.9 | 1527.5 | 1523.2 | 1514.7 | 1512.5 | 1508.2 | 1501.9 | 1495.5 | 1487.0 | 1478.4 | 1472.0 |
| 10° | 1533.9 | 1525.4 | 1518.9 | 1508.2 | 1504.1 | 1499.8 | 1491.2 | 1480.5 | 1469.8 | 1461.4 | 1450.7 |
| 12.5° | 1529.6 | 1518.9 | 1508.2 | 1497.7 | 1491.2 | 1484.8 | 1472.0 | 1461.4 | 1448.6 | 1435.7 | 1427.3 |
| 15° | 1514.7 | 1501.9 | 1489.1 | 1476.3 | 1469.8 | 1461.4 | 1448.6 | 1433.6 | 1420.9 | 1408.0 | 1393.2 |
| 17.5° | 1487.0 | 1474.1 | 1459.3 | 1444.3 | 1435.7 | 1429.4 | 1410.2 | 1399.5 | 1380.3 | 1367.5 | 1354.7 |
| 20° | 1450.7 | 1435.7 | 1416.6 | 1401.6 | 1391.0 | 1384.6 | 1369.6 | 1350.5 | 1335.5 | 1316.3 | 1303.5 |
| 22.5° | 1403.7 | 1384.6 | 1365.3 | 1350.5 | 1339.8 | 1331.2 | 1312.1 | 1292.8 | 1280.1 | 1263.0 | 1248.0 |
| 25° | 1348.3 | 1329.1 | 1309.9 | 1288.5 | 1277.9 | 1269.4 | 1252.3 | 1235.3 | 1218.1 | 1199.0 | 1186.1 |
| 27.5° | 1282.2 | 1260.8 | 1243.8 | 1224.6 | 1213.9 | 1201.1 | 1181.9 | 1164.9 | 1147.7 | 1134.9 | 1117.9 |
| 30° | 1209.6 | 1186.1 | 1169.1 | 1149.9 | 1139.2 | 1128.6 | 1109.3 | 1092.3 | 1077.4 | 1062.4 | 1053.9 |
| 32.5° | 1122.2 | 1105.1 | 1088.1 | 1068.8 | 1060.2 | 1053.9 | 1034.7 | 1017.7 | 1000.5 | 987.7 | 981.4 |
| 35° | 1038.9 | 1019.8 | 1004.8 | 987.7 | 977.1 | 970.7 | 953.6 | 938.7 | 930.2 | 915.2 | 906.7 |
| 37.5° | 951.4 | 936.6 | 919.5 | 902.5 | 896.0 | 889.6 | 876.8 | 861.9 | 849.1 | 838.4 | 834.2 |
| 40° | 859.8 | 846.9 | 832.1 | 821.4 | 814.9 | 808.5 | 797.9 | 787.2 | 778.7 | 768.0 | 763.7 |
| 42.5° | 772.3 | 763.7 | 751.0 | 738.1 | 731.7 | 729.6 | 716.8 | 708.3 | 704.0 | 699.7 | 695.4 |
| 45° | 693.3 | 680.6 | 672.0 | 663.5 | 657.0 | 652.8 | 646.5 | 640.0 | 635.8 | 631.5 | 627.2 |
| 47.5° | 616.5 | 605.9 | 597.4 | 590.9 | 584.5 | 582.4 | 578.1 | 571.8 | 567.5 | 567.5 | 567.5 |
| 50° | 546.1 | 537.7 | 529.1 | 524.8 | 522.7 | 518.4 | 514.1 | 512.0 | 509.8 | 509.8 | 509.8 |
| 52.5° | 484.3 | 475.7 | 469.3 | 465.0 | 465.0 | 460.9 | 456.6 | 454.4 | 454.4 | 454.4 | 454.4 |
| 55° | 426.7 | 420.3 | 416.0 | 411.8 | 407.5 | 405.3 | 405.3 | 405.3 | 403.2 | 403.2 | 405.3 |
| 57.5° | 375.5 | 371.2 | 364.8 | 360.5 | 358.4 | 358.4 | 356.2 | 354.1 | 356.2 | 358.4 | 360.5 |
| 60° | 328.5 | 324.2 | 322.1 | 315.8 | 315.8 | 315.8 | 313.7 | 313.7 | 313.7 | 315.8 | 317.8 |
| 62.5° | 285.8 | 283.7 | 279.4 | 277.4 | 275.3 | 275.3 | 273.1 | 273.1 | 273.1 | 273.1 | 275.3 |
| 65° | 247.4 | 243.2 | 239.0 | 239.0 | 239.0 | 236.8 | 236.8 | 232.6 | 234.7 | 234.7 | 232.6 |
| 67.5° | 211.2 | 206.9 | 204.7 | 202.7 | 200.6 | 200.6 | 198.4 | 196.3 | 194.2 | 194.2 | 194.2 |
| 70° | 177.0 | 172.8 | 172.8 | 168.5 | 168.5 | 166.5 | 164.3 | 164.3 | 162.2 | 160.0 | 157.9 |
| 72.5° | 142.9 | 140.8 | 138.6 | 136.5 | 136.5 | 136.5 | 134.4 | 132.2 | 130.2 | 128.1 | 123.8 |
| 75° | 113.1 | 113.1 | 108.8 | 106.7 | 106.7 | 104.5 | 102.4 | 100.2 | 98.1 | 96.0 | 93.8 |
| 77.5° | 87.5 | 85.4 | 81.1 | 78.9 | 78.9 | 78.9 | 76.8 | 74.7 | 72.5 | 70.4 | 68.2 |
| 80° | 64.0 | 61.8 | 59.7 | 57.5 | 57.5 | 57.5 | 55.5 | 55.5 | 53.4 | 53.4 | 53.4 |
| 82.5° | 42.7 | 42.7 | 40.5 | 40.5 | 40.5 | 40.5 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 |
| 85° | 25.6 | 25.6 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 |
| 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° | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 |
| 2.5° | 1495.5 | 1495.5 | 1491.2 | 1489.1 | 1487.0 | 1489.1 | 1484.8 | 1482.7 | 1480.5 | 1480.5 | 1478.4 |
| 5° | 1482.7 | 1480.5 | 1472.0 | 1469.8 | 1467.8 | 1465.7 | 1461.4 | 1457.1 | 1452.8 | 1450.7 | 1448.6 |
| 7.5° | 1465.7 | 1459.3 | 1450.7 | 1448.6 | 1446.4 | 1440.0 | 1433.6 | 1429.4 | 1423.0 | 1420.9 | 1416.6 |
| 10° | 1442.1 | 1433.6 | 1427.3 | 1420.9 | 1416.6 | 1410.2 | 1403.7 | 1397.3 | 1388.9 | 1386.7 | 1380.3 |
| 12.5° | 1414.4 | 1403.7 | 1391.0 | 1388.9 | 1382.5 | 1373.9 | 1365.3 | 1358.9 | 1352.6 | 1348.3 | 1341.9 |
| 15° | 1380.3 | 1369.6 | 1356.9 | 1350.5 | 1344.0 | 1337.6 | 1326.9 | 1318.5 | 1312.1 | 1305.6 | 1299.2 |
| 17.5° | 1339.8 | 1326.9 | 1316.3 | 1309.9 | 1305.6 | 1294.9 | 1286.4 | 1275.8 | 1269.4 | 1263.0 | 1256.5 |
| 20° | 1290.7 | 1280.1 | 1265.1 | 1258.7 | 1256.5 | 1248.0 | 1237.4 | 1233.1 | 1224.6 | 1218.1 | 1213.9 |
| 22.5° | 1235.3 | 1224.6 | 1211.7 | 1207.5 | 1199.0 | 1194.7 | 1184.0 | 1179.7 | 1175.4 | 1169.1 | 1167.0 |
| 25° | 1173.3 | 1162.7 | 1152.0 | 1149.9 | 1143.5 | 1139.2 | 1132.9 | 1126.5 | 1126.5 | 1120.0 | 1120.0 |
| 27.5° | 1109.3 | 1098.6 | 1090.2 | 1085.9 | 1083.8 | 1079.5 | 1073.1 | 1070.9 | 1068.8 | 1066.7 | 1066.7 |
| 30° | 1041.1 | 1028.2 | 1024.0 | 1021.9 | 1019.8 | 1015.5 | 1013.4 | 1009.1 | 1011.2 | 1013.4 | 1011.2 |
| 32.5° | 968.6 | 964.3 | 955.7 | 951.4 | 953.6 | 951.4 | 947.3 | 951.4 | 949.3 | 953.6 | 955.7 |
| 35° | 898.2 | 893.9 | 889.6 | 889.6 | 885.3 | 885.3 | 885.3 | 887.5 | 891.8 | 893.9 | 898.2 |
| 37.5° | 829.9 | 823.5 | 821.4 | 819.2 | 821.4 | 821.4 | 821.4 | 825.6 | 829.9 | 834.2 | 840.5 |
| 40° | 757.4 | 753.1 | 753.1 | 753.1 | 753.1 | 759.5 | 757.4 | 761.7 | 765.8 | 772.3 | 778.7 |
| 42.5° | 689.0 | 689.0 | 691.2 | 691.2 | 691.2 | 691.2 | 695.4 | 701.9 | 708.3 | 714.7 | 721.1 |
| 45° | 625.1 | 625.1 | 625.1 | 629.3 | 629.3 | 631.5 | 640.0 | 644.3 | 648.6 | 654.9 | 661.3 |
| 47.5° | 565.4 | 565.4 | 567.5 | 569.6 | 571.8 | 576.1 | 580.2 | 586.7 | 593.1 | 597.4 | 603.8 |
| 50° | 509.8 | 512.0 | 516.3 | 520.5 | 520.5 | 522.7 | 529.1 | 533.4 | 537.7 | 544.0 | 546.1 |
| 52.5° | 456.6 | 460.9 | 465.0 | 467.2 | 469.3 | 473.6 | 475.7 | 482.1 | 484.3 | 490.7 | 492.8 |
| 55° | 407.5 | 409.6 | 416.0 | 418.2 | 418.2 | 422.5 | 426.7 | 430.9 | 437.3 | 437.3 | 441.6 |
| 57.5° | 362.6 | 364.8 | 369.1 | 371.2 | 369.1 | 375.5 | 377.6 | 381.9 | 384.0 | 388.3 | 390.5 |
| 60° | 317.8 | 322.1 | 324.2 | 324.2 | 326.4 | 328.5 | 332.8 | 332.8 | 337.1 | 341.4 | 341.4 |
| 62.5° | 275.3 | 277.4 | 279.4 | 281.6 | 283.7 | 281.6 | 288.0 | 288.0 | 292.3 | 294.4 | 298.7 |
| 65° | 234.7 | 236.8 | 236.8 | 239.0 | 239.0 | 241.1 | 241.1 | 243.2 | 245.3 | 249.6 | 251.7 |
| 67.5° | 194.2 | 194.2 | 194.2 | 196.3 | 194.2 | 196.3 | 196.3 | 198.4 | 198.4 | 202.7 | 204.7 |
| 70° | 157.9 | 155.8 | 153.6 | 153.6 | 153.6 | 153.6 | 151.5 | 153.6 | 153.6 | 155.8 | 155.8 |
| 72.5° | 121.6 | 119.5 | 117.4 | 115.2 | 115.2 | 113.1 | 110.9 | 113.1 | 113.1 | 115.2 | 115.2 |
| 75° | 91.8 | 87.5 | 87.5 | 87.5 | 85.4 | 85.4 | 85.4 | 87.5 | 87.5 | 87.5 | 89.7 |
| 77.5° | 68.2 | 68.2 | 66.1 | 66.1 | 66.1 | 68.2 | 68.2 | 70.4 | 70.4 | 70.4 | 70.4 |
| 80° | 51.2 | 53.4 | 53.4 | 53.4 | 53.4 | 55.5 | 55.5 | 55.5 | 55.5 | 57.5 | 57.5 |
| 82.5° | 38.4 | 38.4 | 38.4 | 38.4 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| 85° | 23.4 | 25.6 | 25.6 | 23.4 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 |
| 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: P584336

CATALOG NUMBER: HCC8S30D010MW-HM82555930-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 | 1501.9 |
| 2.5° | 1476.3 | 1476.3 | 1476.3 | 1476.3 | 1474.1 | 1474.1 | 1474.1 | 1472.0 |
| 5° | 1444.3 | 1444.3 | 1444.3 | 1440.0 | 1442.1 | 1442.1 | 1437.9 | 1440.0 |
| 7.5° | 1412.3 | 1410.2 | 1408.0 | 1408.0 | 1405.9 | 1403.7 | 1401.6 | 1403.7 |
| 10° | 1376.0 | 1369.6 | 1369.6 | 1367.5 | 1367.5 | 1363.2 | 1363.2 | 1365.3 |
| 12.5° | 1335.5 | 1331.2 | 1331.2 | 1329.1 | 1326.9 | 1324.8 | 1322.6 | 1322.6 |
| 15° | 1294.9 | 1290.7 | 1288.5 | 1286.4 | 1284.2 | 1280.1 | 1282.2 | 1280.1 |
| 17.5° | 1254.4 | 1248.0 | 1248.0 | 1246.0 | 1243.8 | 1239.5 | 1239.5 | 1237.4 |
| 20° | 1207.5 | 1205.4 | 1201.1 | 1203.3 | 1201.1 | 1196.8 | 1194.7 | 1194.7 |
| 22.5° | 1160.6 | 1160.6 | 1158.4 | 1158.4 | 1156.3 | 1154.2 | 1152.0 | 1152.0 |
| 25° | 1115.8 | 1113.6 | 1115.8 | 1115.8 | 1109.3 | 1109.3 | 1109.3 | 1111.5 |
| 27.5° | 1064.5 | 1066.7 | 1064.5 | 1064.5 | 1064.5 | 1064.5 | 1066.7 | 1064.5 |
| 30° | 1013.4 | 1013.4 | 1013.4 | 1015.5 | 1019.8 | 1017.7 | 1017.7 | 1015.5 |
| 32.5° | 957.9 | 960.0 | 960.0 | 962.1 | 964.3 | 968.6 | 968.6 | 970.7 |
| 35° | 902.5 | 906.7 | 908.9 | 906.7 | 913.0 | 913.0 | 917.3 | 917.3 |
| 37.5° | 844.8 | 846.9 | 851.2 | 853.3 | 857.6 | 859.8 | 861.9 | 861.9 |
| 40° | 783.0 | 791.5 | 793.7 | 795.8 | 802.1 | 802.1 | 804.2 | 808.5 |
| 42.5° | 725.3 | 733.9 | 736.0 | 738.1 | 742.4 | 748.8 | 746.7 | 751.0 |
| 45° | 669.9 | 676.3 | 678.4 | 680.6 | 687.0 | 689.0 | 689.0 | 695.4 |
| 47.5° | 610.2 | 614.4 | 616.5 | 620.8 | 625.1 | 629.3 | 633.6 | 631.5 |
| 50° | 550.4 | 556.8 | 561.1 | 563.2 | 569.6 | 571.8 | 573.9 | 576.1 |
| 52.5° | 497.1 | 501.4 | 503.4 | 505.6 | 512.0 | 514.1 | 516.3 | 520.5 |
| 55° | 445.9 | 448.0 | 452.3 | 450.2 | 456.6 | 458.7 | 460.9 | 465.0 |
| 57.5° | 394.6 | 396.8 | 398.9 | 398.9 | 403.2 | 407.5 | 409.6 | 411.8 |
| 60° | 345.6 | 349.9 | 352.1 | 352.1 | 352.1 | 356.2 | 356.2 | 356.2 |
| 62.5° | 300.8 | 300.8 | 303.0 | 303.0 | 307.2 | 307.2 | 307.2 | 307.2 |
| 65° | 253.9 | 256.0 | 258.1 | 258.1 | 262.4 | 260.3 | 264.6 | 262.4 |
| 67.5° | 204.7 | 204.7 | 209.0 | 209.0 | 206.9 | 209.0 | 209.0 | 209.0 |
| 70° | 155.8 | 155.8 | 157.9 | 157.9 | 157.9 | 157.9 | 157.9 | 157.9 |
| 72.5° | 115.2 | 115.2 | 115.2 | 117.4 | 115.2 | 115.2 | 117.4 | 115.2 |
| 75° | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 77.5° | 70.4 | 70.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| 80° | 57.5 | 57.5 | 57.5 | 57.5 | 59.7 | 57.5 | 57.5 | 57.5 |
| 82.5° | 42.7 | 40.5 | 42.7 | 40.5 | 42.7 | 42.7 | 42.7 | 42.7 |
| 85° | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 |
| 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



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

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(END OF REPORT)