

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: P584276

Luminaire Tested: **HCC8W30D010SL-HM82555835-81RWWC**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584276  
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: HCC8W30D010SL-HM82555835-81RWWC  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

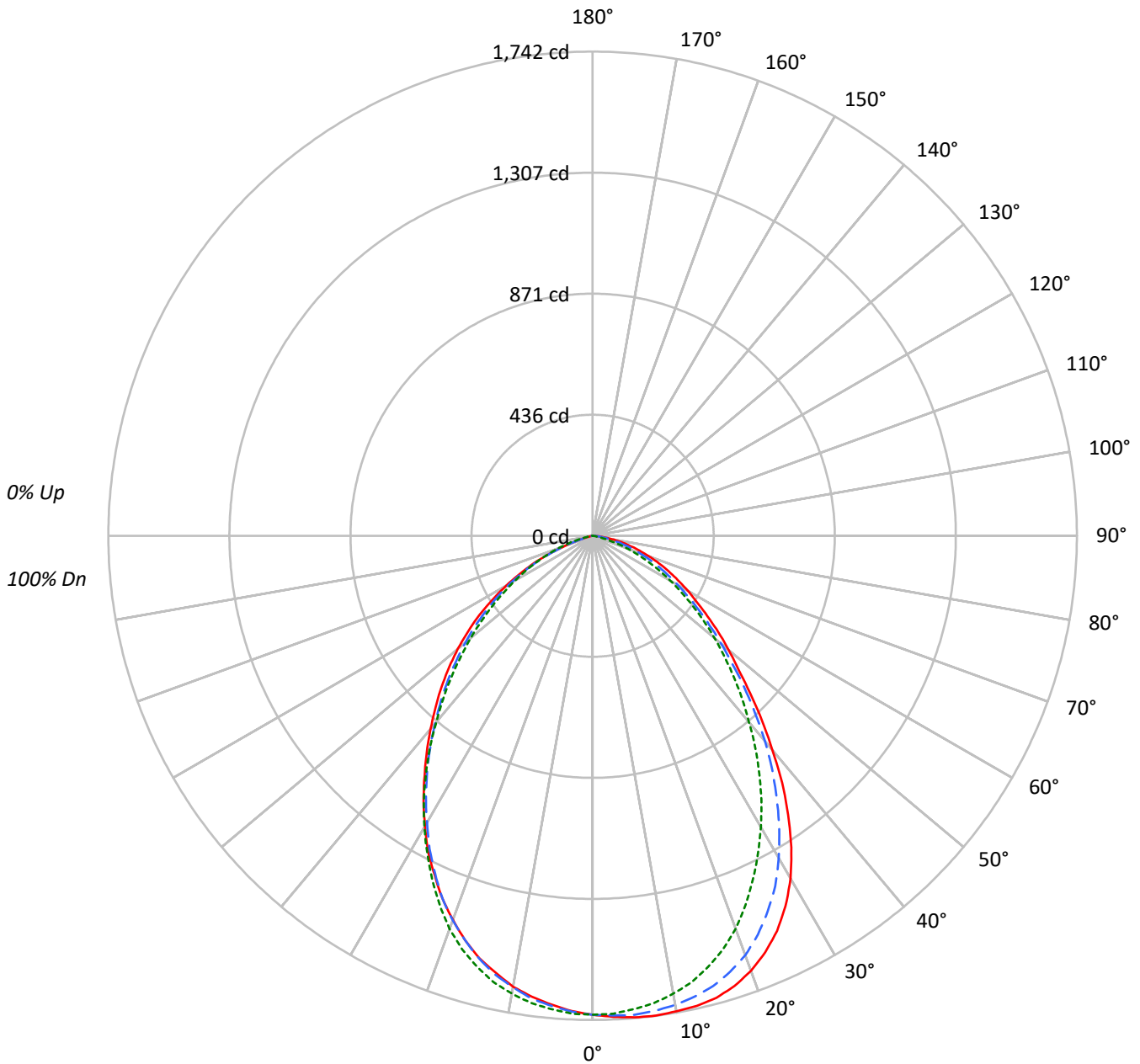
Lumens per Lamp: N/A  
Luminaire Lumens: 3275.0 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



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### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab  
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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°  | 53137 | 53137 | 53137 |
| 5°  | 53838 | 52913 | 52415 |
| 10° | 54389 | 52372 | 51577 |
| 15° | 54935 | 51267 | 50236 |
| 20° | 54660 | 49374 | 48242 |
| 25° | 53384 | 46419 | 45790 |
| 30° | 50708 | 43091 | 42924 |
| 35° | 46159 | 39319 | 39666 |
| 40° | 40471 | 35194 | 36490 |
| 45° | 34918 | 31303 | 33514 |
| 50° | 30573 | 27484 | 30352 |
| 55° | 27085 | 23628 | 26714 |
| 60° | 24404 | 19865 | 22128 |
| 65° | 21992 | 15943 | 16950 |
| 70° | 19285 | 11622 | 9341  |
| 75° | 16442 | 6041  | 2466  |
| 80° | 12661 | 1634  | 408   |
| 85° | 8102  | 0     | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 162.6  | 5.0       |
| 10°-20°   | 457.0  | 14.0      |
| 20°-30°   | 648.7  | 19.8      |
| 30°-40°   | 682.9  | 20.9      |
| 40°-50°   | 580.9  | 17.7      |
| 50°-60°   | 419.8  | 12.8      |
| 60°-70°   | 238.8  | 7.3       |
| 70°-80°   | 75.2   | 2.3       |
| 80°-90°   | 9.1    | 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°    | 1268.3 | 38.7      |
| 0°-40°    | 1951.2 | 59.6      |
| 0°-60°    | 2951.9 | 90.1      |
| 0°-90°    | 3275.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3275.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1723 | 1723 | 1723 | 1723 | 1723 |      |
| 5°  | 1739 | 1730 | 1709 | 1698 | 1693 | 166  |
| 15° | 1721 | 1677 | 1606 | 1576 | 1574 | 485  |
| 25° | 1569 | 1491 | 1364 | 1341 | 1346 | 719  |
| 35° | 1226 | 1155 | 1044 | 1038 | 1054 | 763  |
| 45° | 801  | 771  | 718  | 736  | 768  | 622  |
| 55° | 504  | 467  | 440  | 465  | 497  | 454  |
| 65° | 301  | 260  | 218  | 216  | 232  | 299  |
| 75° | 138  | 106  | 51   | 23   | 21   | 149  |
| 85° | 23   | 14   | 0    | 0    | 0    | 30   |
| 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°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1732.4 | 1734.6 | 1730.1 | 1730.1 | 1734.6 | 1730.1 | 1732.4 | 1732.4 | 1730.1 | 1730.1 | 1727.7 |
| 5°    | 1739.3 | 1737.0 | 1737.0 | 1737.0 | 1739.3 | 1734.6 | 1732.4 | 1734.6 | 1730.1 | 1730.1 | 1730.1 |
| 7.5°  | 1741.5 | 1741.5 | 1739.3 | 1737.0 | 1737.0 | 1737.0 | 1734.6 | 1732.4 | 1730.1 | 1725.5 | 1723.2 |
| 10°   | 1737.0 | 1737.0 | 1739.3 | 1734.6 | 1734.6 | 1730.1 | 1730.1 | 1725.5 | 1725.5 | 1720.8 | 1713.9 |
| 12.5° | 1732.4 | 1730.1 | 1730.1 | 1725.5 | 1725.5 | 1720.8 | 1720.8 | 1713.9 | 1711.7 | 1704.8 | 1697.9 |
| 15°   | 1720.8 | 1718.6 | 1713.9 | 1711.7 | 1709.4 | 1707.0 | 1702.4 | 1700.2 | 1693.3 | 1684.1 | 1677.2 |
| 17.5° | 1697.9 | 1695.5 | 1693.3 | 1688.6 | 1684.1 | 1681.7 | 1679.5 | 1672.6 | 1663.4 | 1656.4 | 1645.0 |
| 20°   | 1665.7 | 1663.4 | 1663.4 | 1656.4 | 1654.1 | 1647.2 | 1645.0 | 1635.7 | 1628.8 | 1615.0 | 1605.9 |
| 22.5° | 1621.9 | 1624.3 | 1619.7 | 1615.0 | 1610.4 | 1603.5 | 1599.0 | 1589.7 | 1578.3 | 1564.5 | 1553.0 |
| 25°   | 1569.0 | 1571.4 | 1566.7 | 1562.1 | 1555.2 | 1550.6 | 1546.1 | 1532.3 | 1520.7 | 1504.6 | 1490.8 |
| 27.5° | 1502.3 | 1502.3 | 1502.3 | 1497.7 | 1486.2 | 1483.9 | 1479.4 | 1465.4 | 1449.4 | 1435.6 | 1421.8 |
| 30°   | 1424.1 | 1421.8 | 1421.8 | 1414.9 | 1410.3 | 1401.1 | 1394.2 | 1382.7 | 1371.2 | 1355.1 | 1338.9 |
| 32.5° | 1329.8 | 1332.0 | 1325.1 | 1320.5 | 1313.6 | 1313.6 | 1304.5 | 1295.3 | 1281.5 | 1265.3 | 1249.3 |
| 35°   | 1226.2 | 1228.6 | 1224.0 | 1221.6 | 1210.2 | 1207.8 | 1205.5 | 1194.0 | 1184.8 | 1173.3 | 1154.9 |
| 37.5° | 1120.4 | 1118.1 | 1115.8 | 1115.8 | 1108.9 | 1104.3 | 1099.7 | 1092.8 | 1079.0 | 1069.7 | 1060.6 |
| 40°   | 1005.4 | 1005.4 | 1005.4 | 1003.0 | 1000.8 | 996.1  | 993.9  | 989.2  | 980.1  | 970.8  | 963.9  |
| 42.5° | 901.9  | 901.9  | 899.6  | 897.2  | 892.7  | 895.0  | 890.3  | 885.7  | 876.5  | 869.6  | 865.0  |
| 45°   | 800.7  | 800.7  | 800.7  | 802.9  | 798.3  | 791.4  | 791.4  | 786.8  | 782.2  | 777.6  | 770.7  |
| 47.5° | 710.9  | 717.8  | 713.2  | 710.9  | 713.2  | 704.0  | 704.0  | 699.4  | 694.7  | 690.2  | 680.9  |
| 50°   | 637.3  | 637.3  | 637.3  | 632.7  | 630.4  | 630.4  | 623.5  | 618.9  | 616.6  | 612.0  | 602.8  |
| 52.5° | 570.6  | 566.0  | 566.0  | 563.7  | 561.3  | 556.8  | 556.8  | 552.2  | 542.9  | 538.4  | 531.5  |
| 55°   | 503.8  | 503.8  | 501.5  | 499.3  | 496.9  | 494.6  | 492.4  | 485.5  | 480.8  | 473.9  | 467.0  |
| 57.5° | 444.0  | 448.6  | 446.4  | 441.7  | 437.1  | 437.1  | 432.6  | 427.9  | 421.0  | 414.1  | 407.2  |
| 60°   | 395.7  | 393.4  | 393.4  | 391.1  | 386.5  | 384.2  | 381.9  | 375.0  | 368.1  | 361.2  | 354.3  |
| 62.5° | 345.0  | 345.0  | 345.0  | 340.5  | 335.9  | 333.6  | 331.3  | 326.7  | 317.5  | 310.6  | 305.9  |
| 65°   | 301.4  | 299.0  | 296.8  | 294.5  | 292.1  | 287.6  | 285.2  | 280.7  | 273.8  | 266.9  | 259.9  |
| 67.5° | 257.7  | 255.4  | 255.4  | 253.0  | 246.1  | 243.9  | 243.9  | 237.0  | 230.1  | 223.2  | 216.3  |
| 70°   | 213.9  | 213.9  | 213.9  | 209.4  | 207.0  | 204.7  | 202.5  | 197.8  | 191.0  | 184.1  | 177.2  |
| 72.5° | 177.2  | 174.9  | 174.9  | 172.5  | 165.6  | 163.4  | 161.0  | 156.5  | 149.6  | 144.9  | 140.3  |
| 75°   | 138.0  | 138.0  | 135.8  | 133.4  | 131.1  | 128.9  | 126.5  | 122.0  | 115.0  | 108.1  | 105.8  |
| 77.5° | 105.8  | 103.6  | 103.6  | 101.2  | 96.7   | 94.3   | 94.3   | 89.8   | 82.9   | 78.2   | 73.6   |
| 80°   | 71.3   | 73.6   | 71.3   | 69.0   | 66.7   | 64.4   | 62.1   | 59.8   | 55.2   | 50.7   | 46.0   |
| 82.5° | 43.8   | 46.0   | 43.8   | 43.8   | 41.4   | 39.1   | 39.1   | 34.5   | 32.2   | 30.0   | 27.6   |
| 85°   | 22.9   | 22.9   | 22.9   | 22.9   | 20.7   | 20.7   | 20.7   | 18.4   | 16.1   | 13.8   | 13.8   |
| 87.5° | 6.9    | 9.2    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 4.6    | 4.6    | 4.6    |
| 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°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1730.1 | 1727.7 | 1725.5 | 1725.5 | 1725.5 | 1725.5 | 1725.5 | 1723.2 | 1720.8 | 1720.8 | 1720.8 |
| 5°    | 1725.5 | 1725.5 | 1725.5 | 1723.2 | 1720.8 | 1720.8 | 1716.3 | 1713.9 | 1711.7 | 1709.4 | 1707.0 |
| 7.5°  | 1720.8 | 1716.3 | 1713.9 | 1711.7 | 1709.4 | 1709.4 | 1704.8 | 1700.2 | 1700.2 | 1695.5 | 1691.0 |
| 10°   | 1707.0 | 1704.8 | 1700.2 | 1695.5 | 1693.3 | 1691.0 | 1686.4 | 1679.5 | 1677.2 | 1672.6 | 1667.9 |
| 12.5° | 1691.0 | 1686.4 | 1681.7 | 1672.6 | 1670.3 | 1667.9 | 1658.8 | 1651.9 | 1647.2 | 1645.0 | 1633.4 |
| 15°   | 1670.3 | 1661.0 | 1654.1 | 1642.6 | 1640.3 | 1635.7 | 1628.8 | 1621.9 | 1612.8 | 1605.9 | 1601.2 |
| 17.5° | 1633.4 | 1624.3 | 1612.8 | 1601.2 | 1596.6 | 1596.6 | 1585.2 | 1575.9 | 1564.5 | 1559.8 | 1550.6 |
| 20°   | 1589.7 | 1578.3 | 1569.0 | 1555.2 | 1548.3 | 1541.4 | 1534.5 | 1520.7 | 1511.5 | 1504.6 | 1493.1 |
| 22.5° | 1539.2 | 1523.0 | 1511.5 | 1497.7 | 1486.2 | 1479.4 | 1467.8 | 1456.3 | 1444.8 | 1437.9 | 1428.7 |
| 25°   | 1474.7 | 1460.9 | 1442.5 | 1428.7 | 1421.8 | 1412.5 | 1398.7 | 1387.3 | 1375.8 | 1364.3 | 1359.6 |
| 27.5° | 1403.4 | 1384.9 | 1368.9 | 1352.7 | 1345.8 | 1338.9 | 1322.9 | 1309.1 | 1299.8 | 1288.4 | 1283.8 |
| 30°   | 1325.1 | 1306.7 | 1288.4 | 1274.5 | 1267.6 | 1256.2 | 1246.9 | 1230.9 | 1219.3 | 1210.2 | 1198.6 |
| 32.5° | 1235.5 | 1221.6 | 1205.5 | 1184.8 | 1180.2 | 1171.0 | 1157.3 | 1150.4 | 1136.6 | 1129.6 | 1120.4 |
| 35°   | 1138.8 | 1129.6 | 1113.5 | 1097.4 | 1090.6 | 1085.9 | 1074.4 | 1060.6 | 1051.4 | 1044.5 | 1039.9 |
| 37.5° | 1046.8 | 1035.3 | 1019.2 | 1007.7 | 1003.0 | 996.1  | 982.4  | 975.5  | 966.3  | 961.7  | 952.5  |
| 40°   | 947.9  | 936.3  | 924.8  | 917.9  | 911.0  | 906.5  | 897.2  | 890.3  | 881.2  | 874.3  | 871.9  |
| 42.5° | 851.2  | 844.3  | 835.2  | 825.9  | 823.6  | 816.7  | 812.1  | 805.2  | 798.3  | 796.0  | 789.1  |
| 45°   | 763.8  | 756.9  | 747.8  | 738.5  | 736.2  | 731.6  | 729.3  | 722.4  | 717.8  | 717.8  | 717.8  |
| 47.5° | 676.4  | 669.5  | 660.3  | 655.7  | 658.0  | 648.7  | 648.7  | 646.5  | 641.8  | 641.8  | 644.2  |
| 50°   | 598.2  | 588.9  | 586.7  | 582.0  | 577.5  | 572.9  | 575.1  | 568.2  | 568.2  | 572.9  | 570.6  |
| 52.5° | 524.6  | 515.3  | 513.1  | 508.4  | 506.2  | 506.2  | 503.8  | 503.8  | 501.5  | 503.8  | 503.8  |
| 55°   | 457.9  | 450.9  | 446.4  | 441.7  | 439.5  | 439.5  | 439.5  | 437.1  | 434.8  | 439.5  | 441.7  |
| 57.5° | 398.0  | 395.7  | 391.1  | 384.2  | 381.9  | 379.6  | 377.3  | 377.3  | 377.3  | 377.3  | 379.6  |
| 60°   | 345.0  | 340.5  | 335.9  | 329.0  | 329.0  | 326.7  | 324.4  | 322.1  | 322.1  | 322.1  | 322.1  |
| 62.5° | 299.0  | 292.1  | 285.2  | 280.7  | 278.3  | 276.1  | 273.8  | 269.2  | 269.2  | 269.2  | 269.2  |
| 65°   | 253.0  | 246.1  | 241.6  | 237.0  | 232.3  | 232.3  | 227.8  | 225.4  | 220.9  | 218.5  | 213.9  |
| 67.5° | 209.4  | 204.7  | 200.1  | 193.2  | 191.0  | 188.7  | 184.1  | 181.8  | 174.9  | 172.5  | 170.3  |
| 70°   | 170.3  | 163.4  | 158.7  | 154.1  | 151.8  | 147.2  | 142.7  | 138.0  | 133.4  | 128.9  | 124.3  |
| 72.5° | 133.4  | 126.5  | 122.0  | 117.4  | 112.7  | 112.7  | 105.8  | 101.2  | 94.3   | 89.8   | 82.9   |
| 75°   | 98.9   | 92.0   | 87.4   | 80.5   | 78.2   | 76.0   | 69.0   | 64.4   | 57.5   | 50.7   | 46.0   |
| 77.5° | 66.7   | 62.1   | 57.5   | 50.7   | 46.0   | 46.0   | 39.1   | 34.5   | 30.0   | 22.9   | 20.7   |
| 80°   | 41.4   | 36.9   | 32.2   | 27.6   | 27.6   | 22.9   | 20.7   | 16.1   | 11.5   | 9.2    | 6.9    |
| 82.5° | 22.9   | 20.7   | 18.4   | 13.8   | 13.8   | 11.5   | 9.2    | 6.9    | 4.6    | 2.3    | 2.3    |
| 85°   | 11.5   | 9.2    | 6.9    | 6.9    | 4.6    | 4.6    | 4.6    | 2.3    | 2.3    | 0.0    | 0.0    |
| 87.5° | 4.6    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 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    |



TEST NUMBER: P584276

CATALOG NUMBER: HCC8W30D010SL-HM82555835-81RWWC

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1718.6 | 1718.6 | 1716.3 | 1716.3 | 1716.3 | 1713.9 | 1716.3 | 1713.9 | 1713.9 | 1713.9 | 1716.3 |
| 5°    | 1709.4 | 1704.8 | 1704.8 | 1702.4 | 1702.4 | 1700.2 | 1702.4 | 1700.2 | 1697.9 | 1695.5 | 1697.9 |
| 7.5°  | 1691.0 | 1686.4 | 1684.1 | 1681.7 | 1681.7 | 1681.7 | 1679.5 | 1677.2 | 1679.5 | 1672.6 | 1677.2 |
| 10°   | 1665.7 | 1663.4 | 1658.8 | 1656.4 | 1654.1 | 1656.4 | 1654.1 | 1649.5 | 1649.5 | 1649.5 | 1647.2 |
| 12.5° | 1633.4 | 1628.8 | 1626.6 | 1624.3 | 1619.7 | 1619.7 | 1621.9 | 1617.4 | 1617.4 | 1612.8 | 1612.8 |
| 15°   | 1594.3 | 1589.7 | 1585.2 | 1585.2 | 1580.5 | 1580.5 | 1578.3 | 1578.3 | 1575.9 | 1573.6 | 1573.6 |
| 17.5° | 1546.1 | 1539.2 | 1534.5 | 1536.8 | 1534.5 | 1532.3 | 1532.3 | 1527.6 | 1525.4 | 1527.6 | 1527.6 |
| 20°   | 1488.5 | 1483.9 | 1479.4 | 1481.6 | 1477.0 | 1474.7 | 1477.0 | 1470.1 | 1472.5 | 1472.5 | 1472.5 |
| 22.5° | 1424.1 | 1421.8 | 1414.9 | 1414.9 | 1410.3 | 1408.0 | 1410.3 | 1410.3 | 1412.5 | 1410.3 | 1410.3 |
| 25°   | 1352.7 | 1348.2 | 1343.6 | 1343.6 | 1341.3 | 1338.9 | 1341.3 | 1343.6 | 1341.3 | 1343.6 | 1343.6 |
| 27.5° | 1276.9 | 1270.0 | 1270.0 | 1265.3 | 1265.3 | 1267.6 | 1265.3 | 1267.6 | 1270.0 | 1270.0 | 1274.5 |
| 30°   | 1194.0 | 1191.7 | 1189.5 | 1187.1 | 1187.1 | 1189.5 | 1189.5 | 1189.5 | 1191.7 | 1196.4 | 1196.4 |
| 32.5° | 1115.8 | 1111.2 | 1106.6 | 1106.6 | 1111.2 | 1108.9 | 1111.2 | 1111.2 | 1115.8 | 1115.8 | 1120.4 |
| 35°   | 1030.6 | 1030.6 | 1026.1 | 1028.4 | 1028.4 | 1028.4 | 1028.4 | 1033.0 | 1037.6 | 1039.9 | 1044.5 |
| 37.5° | 952.5  | 945.6  | 947.9  | 947.9  | 950.1  | 947.9  | 954.8  | 954.8  | 959.4  | 959.4  | 963.9  |
| 40°   | 867.4  | 867.4  | 869.6  | 867.4  | 869.6  | 869.6  | 874.3  | 878.8  | 881.2  | 885.7  | 888.1  |
| 42.5° | 786.8  | 791.4  | 786.8  | 789.1  | 791.4  | 793.7  | 796.0  | 798.3  | 807.6  | 812.1  | 819.0  |
| 45°   | 713.2  | 715.5  | 717.8  | 720.1  | 717.8  | 722.4  | 724.7  | 729.3  | 736.2  | 738.5  | 740.7  |
| 47.5° | 641.8  | 644.2  | 646.5  | 648.7  | 648.7  | 653.4  | 655.7  | 660.3  | 664.9  | 667.1  | 669.5  |
| 50°   | 572.9  | 577.5  | 579.8  | 579.8  | 582.0  | 586.7  | 591.3  | 591.3  | 595.8  | 602.8  | 605.1  |
| 52.5° | 510.8  | 510.8  | 515.3  | 517.7  | 519.9  | 519.9  | 526.8  | 529.1  | 531.5  | 536.0  | 540.6  |
| 55°   | 441.7  | 448.6  | 450.9  | 450.9  | 455.5  | 460.1  | 462.4  | 464.8  | 464.8  | 473.9  | 473.9  |
| 57.5° | 381.9  | 384.2  | 388.8  | 388.8  | 388.8  | 395.7  | 395.7  | 400.3  | 402.6  | 404.9  | 409.5  |
| 60°   | 322.1  | 326.7  | 326.7  | 329.0  | 326.7  | 331.3  | 333.6  | 338.2  | 340.5  | 342.8  | 345.0  |
| 62.5° | 266.9  | 266.9  | 269.2  | 269.2  | 269.2  | 269.2  | 273.8  | 273.8  | 278.3  | 280.7  | 283.0  |
| 65°   | 213.9  | 213.9  | 213.9  | 213.9  | 213.9  | 213.9  | 213.9  | 213.9  | 216.3  | 216.3  | 220.9  |
| 67.5° | 165.6  | 163.4  | 158.7  | 161.0  | 158.7  | 158.7  | 156.5  | 156.5  | 158.7  | 158.7  | 163.4  |
| 70°   | 119.6  | 117.4  | 112.7  | 112.7  | 110.5  | 108.1  | 105.8  | 103.6  | 101.2  | 101.2  | 101.2  |
| 72.5° | 78.2   | 73.6   | 66.7   | 64.4   | 64.4   | 59.8   | 55.2   | 52.9   | 52.9   | 52.9   | 52.9   |
| 75°   | 39.1   | 34.5   | 30.0   | 27.6   | 27.6   | 22.9   | 25.3   | 22.9   | 22.9   | 22.9   | 22.9   |
| 77.5° | 16.1   | 11.5   | 9.2    | 9.2    | 9.2    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    |
| 80°   | 4.6    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    |
| 82.5° | 2.3    | 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: P584276

CATALOG NUMBER: HCC8W30D010SL-HM82555835-81RWWC

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1713.9 | 1713.9 | 1709.4 | 1711.7 | 1711.7 | 1711.7 | 1711.7 | 1711.7 |
| 5°    | 1693.3 | 1695.5 | 1693.3 | 1695.5 | 1695.5 | 1693.3 | 1693.3 | 1693.3 |
| 7.5°  | 1672.6 | 1674.8 | 1672.6 | 1674.8 | 1674.8 | 1674.8 | 1672.6 | 1672.6 |
| 10°   | 1647.2 | 1647.2 | 1647.2 | 1647.2 | 1647.2 | 1645.0 | 1647.2 | 1647.2 |
| 12.5° | 1612.8 | 1612.8 | 1612.8 | 1615.0 | 1615.0 | 1612.8 | 1612.8 | 1610.4 |
| 15°   | 1575.9 | 1571.4 | 1573.6 | 1575.9 | 1573.6 | 1573.6 | 1573.6 | 1573.6 |
| 17.5° | 1525.4 | 1527.6 | 1525.4 | 1525.4 | 1525.4 | 1525.4 | 1527.6 | 1525.4 |
| 20°   | 1472.5 | 1472.5 | 1474.7 | 1472.5 | 1472.5 | 1472.5 | 1472.5 | 1470.1 |
| 22.5° | 1412.5 | 1410.3 | 1410.3 | 1412.5 | 1412.5 | 1410.3 | 1412.5 | 1412.5 |
| 25°   | 1345.8 | 1348.2 | 1345.8 | 1345.8 | 1348.2 | 1348.2 | 1348.2 | 1345.8 |
| 27.5° | 1274.5 | 1276.9 | 1279.1 | 1276.9 | 1276.9 | 1276.9 | 1279.1 | 1281.5 |
| 30°   | 1200.9 | 1205.5 | 1200.9 | 1200.9 | 1205.5 | 1203.3 | 1205.5 | 1205.5 |
| 32.5° | 1122.7 | 1129.6 | 1125.0 | 1129.6 | 1129.6 | 1131.9 | 1129.6 | 1131.9 |
| 35°   | 1044.5 | 1051.4 | 1051.4 | 1051.4 | 1053.7 | 1056.0 | 1056.0 | 1053.7 |
| 37.5° | 970.8  | 973.2  | 973.2  | 977.7  | 980.1  | 982.4  | 982.4  | 980.1  |
| 40°   | 895.0  | 899.6  | 901.9  | 901.9  | 901.9  | 906.5  | 911.0  | 906.5  |
| 42.5° | 821.4  | 823.6  | 825.9  | 825.9  | 830.5  | 832.8  | 835.2  | 835.2  |
| 45°   | 750.0  | 754.7  | 756.9  | 759.2  | 761.6  | 766.1  | 763.8  | 768.5  |
| 47.5° | 676.4  | 683.3  | 685.6  | 687.8  | 692.5  | 694.7  | 697.1  | 699.4  |
| 50°   | 609.7  | 614.2  | 614.2  | 618.9  | 625.8  | 625.8  | 630.4  | 632.7  |
| 52.5° | 542.9  | 545.3  | 547.5  | 549.8  | 554.4  | 559.1  | 559.1  | 563.7  |
| 55°   | 478.6  | 480.8  | 480.8  | 483.1  | 485.5  | 494.6  | 496.9  | 496.9  |
| 57.5° | 411.9  | 411.9  | 416.4  | 418.8  | 421.0  | 425.7  | 425.7  | 425.7  |
| 60°   | 347.4  | 349.7  | 349.7  | 351.9  | 354.3  | 358.8  | 361.2  | 358.8  |
| 62.5° | 283.0  | 285.2  | 285.2  | 287.6  | 292.1  | 294.5  | 292.1  | 292.1  |
| 65°   | 223.2  | 225.4  | 225.4  | 227.8  | 232.3  | 232.3  | 230.1  | 232.3  |
| 67.5° | 163.4  | 163.4  | 163.4  | 163.4  | 163.4  | 163.4  | 163.4  | 163.4  |
| 70°   | 103.6  | 101.2  | 98.9   | 101.2  | 101.2  | 101.2  | 98.9   | 103.6  |
| 72.5° | 50.7   | 52.9   | 52.9   | 52.9   | 52.9   | 52.9   | 52.9   | 50.7   |
| 75°   | 22.9   | 22.9   | 20.7   | 20.7   | 20.7   | 22.9   | 22.9   | 20.7   |
| 77.5° | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    |
| 80°   | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    |
| 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    |

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



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

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