

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: P584470

Luminaire Tested: **HCC8W35D010MW-HM82555930-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584470
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: HCC8W35D010MW-HM82555930-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

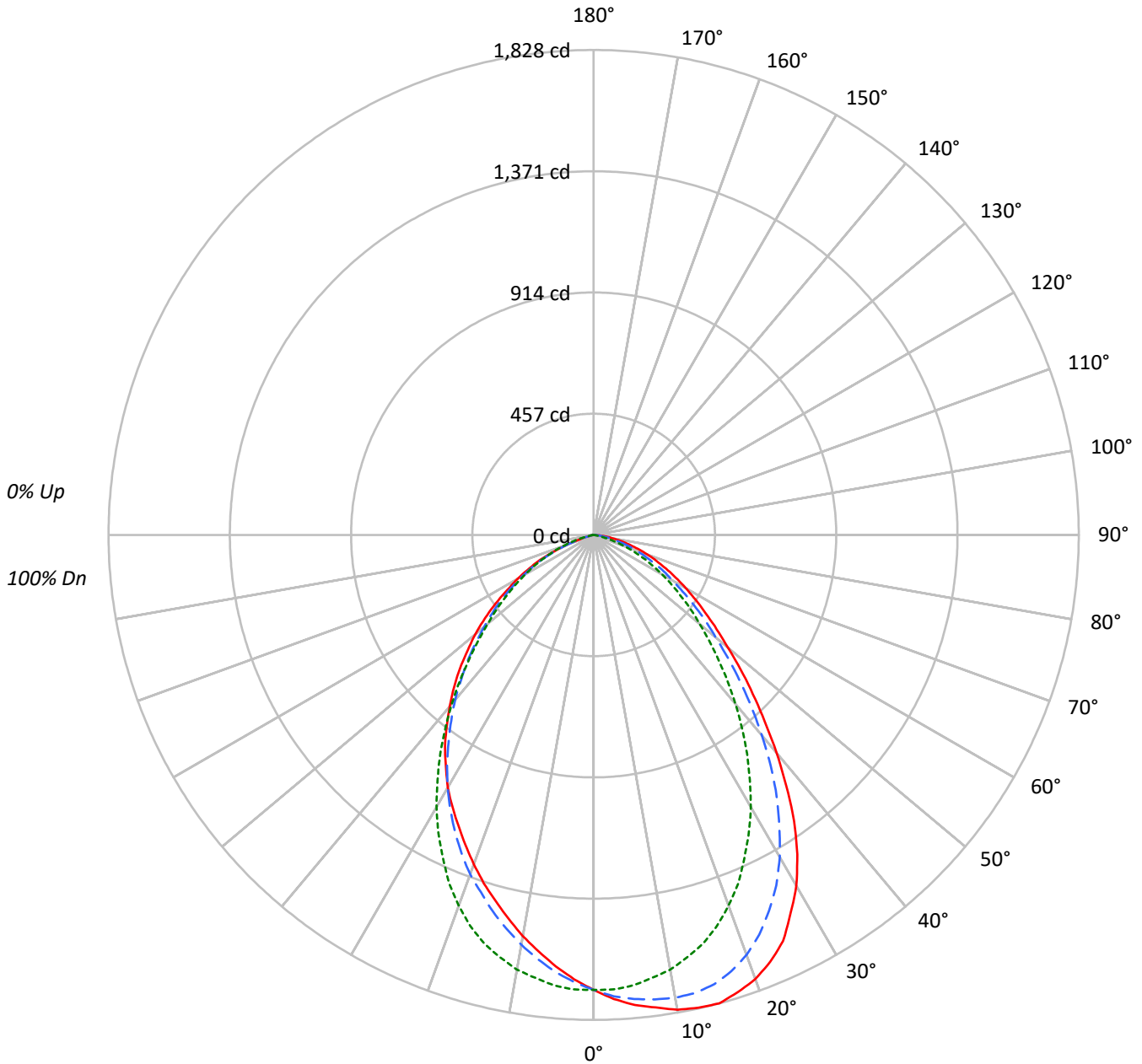
Lumens per Lamp: N/A
Luminaire Lumens: 3194.3 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P584470
CATALOG NUMBER: HCC8W35D010MW-HM82555930-81WWBB

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 | 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° | 52881 | 52881 | 52881 |
| 5° | 55067 | 52764 | 50545 |
| 10° | 56910 | 52094 | 48080 |
| 15° | 58348 | 50900 | 45581 |
| 20° | 58460 | 48787 | 43323 |
| 25° | 57477 | 45701 | 41077 |
| 30° | 54400 | 42165 | 39153 |
| 35° | 49600 | 37923 | 36763 |
| 40° | 43132 | 33435 | 33950 |
| 45° | 36998 | 28952 | 31076 |
| 50° | 31604 | 24965 | 27915 |
| 55° | 27703 | 21499 | 24257 |
| 60° | 24663 | 18335 | 20389 |
| 65° | 21882 | 14965 | 16278 |
| 70° | 19411 | 11090 | 9241 |
| 75° | 16191 | 5814 | 2752 |
| 80° | 12750 | 1829 | 444 |
| 85° | 9057 | 885 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 161.6 | 5.1 |
| 10°-20° | 452.9 | 14.2 |
| 20°-30° | 641.0 | 20.1 |
| 30°-40° | 670.7 | 21.0 |
| 40°-50° | 559.4 | 17.5 |
| 50°-60° | 396.7 | 12.4 |
| 60°-70° | 228.5 | 7.2 |
| 70°-80° | 73.5 | 2.3 |
| 80°-90° | 10.1 | 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° | 1255.5 | 39.3 |
| 0°-40° | 1926.2 | 60.3 |
| 0°-60° | 2882.2 | 90.2 |
| 0°-90° | 3194.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3194.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1715 | 1715 | 1715 | 1715 | 1715 | |
| 5° | 1779 | 1756 | 1705 | 1653 | 1633 | 171 |
| 15° | 1828 | 1753 | 1594 | 1469 | 1428 | 514 |
| 25° | 1689 | 1564 | 1343 | 1236 | 1207 | 771 |
| 35° | 1318 | 1202 | 1007 | 954 | 977 | 817 |
| 45° | 848 | 779 | 664 | 672 | 713 | 657 |
| 55° | 515 | 461 | 400 | 420 | 451 | 466 |
| 65° | 300 | 251 | 205 | 205 | 223 | 300 |
| 75° | 136 | 100 | 49 | 23 | 23 | 147 |
| 85° | 26 | 13 | 2 | 0 | 0 | 32 |
| 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° | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 |
| 2.5° | 1750.8 | 1748.2 | 1745.6 | 1748.2 | 1745.6 | 1748.2 | 1745.6 | 1745.6 | 1743.1 | 1740.6 | 1740.6 |
| 5° | 1779.0 | 1776.4 | 1776.4 | 1776.4 | 1773.9 | 1771.2 | 1771.2 | 1768.7 | 1763.6 | 1761.1 | 1755.9 |
| 7.5° | 1796.9 | 1799.5 | 1799.5 | 1799.5 | 1794.4 | 1794.4 | 1789.2 | 1784.1 | 1779.0 | 1773.9 | 1766.2 |
| 10° | 1817.5 | 1817.5 | 1814.9 | 1812.3 | 1807.2 | 1804.7 | 1802.0 | 1796.9 | 1789.2 | 1779.0 | 1771.2 |
| 12.5° | 1825.2 | 1825.2 | 1822.5 | 1817.5 | 1814.9 | 1812.3 | 1809.7 | 1802.0 | 1791.8 | 1779.0 | 1768.7 |
| 15° | 1827.7 | 1822.5 | 1820.0 | 1817.5 | 1812.3 | 1804.7 | 1804.7 | 1794.4 | 1781.5 | 1766.2 | 1753.4 |
| 17.5° | 1807.2 | 1809.7 | 1804.7 | 1799.5 | 1791.8 | 1786.7 | 1779.0 | 1771.2 | 1755.9 | 1737.9 | 1725.1 |
| 20° | 1781.5 | 1779.0 | 1776.4 | 1768.7 | 1758.4 | 1755.9 | 1748.2 | 1735.4 | 1722.6 | 1702.1 | 1684.1 |
| 22.5° | 1740.6 | 1737.9 | 1732.8 | 1727.8 | 1717.5 | 1712.3 | 1704.6 | 1689.3 | 1671.3 | 1650.8 | 1630.4 |
| 25° | 1689.3 | 1684.1 | 1676.5 | 1666.2 | 1658.5 | 1653.4 | 1643.2 | 1627.7 | 1607.2 | 1584.1 | 1563.6 |
| 27.5° | 1607.2 | 1614.9 | 1609.8 | 1594.4 | 1586.8 | 1576.4 | 1573.9 | 1553.4 | 1535.5 | 1512.4 | 1489.4 |
| 30° | 1527.8 | 1527.8 | 1520.1 | 1512.4 | 1499.5 | 1491.9 | 1481.7 | 1466.2 | 1448.3 | 1420.1 | 1402.1 |
| 32.5° | 1427.8 | 1425.3 | 1415.0 | 1412.4 | 1402.1 | 1386.8 | 1384.2 | 1363.7 | 1345.8 | 1325.2 | 1302.2 |
| 35° | 1317.6 | 1312.4 | 1302.2 | 1294.6 | 1289.4 | 1281.7 | 1274.0 | 1256.1 | 1238.1 | 1217.6 | 1202.2 |
| 37.5° | 1192.0 | 1192.0 | 1189.4 | 1176.6 | 1171.4 | 1166.4 | 1158.7 | 1140.7 | 1130.4 | 1109.9 | 1094.6 |
| 40° | 1071.5 | 1069.0 | 1061.2 | 1058.7 | 1053.5 | 1045.9 | 1040.7 | 1030.5 | 1015.1 | 999.7 | 984.4 |
| 42.5° | 953.6 | 956.1 | 945.9 | 948.5 | 938.2 | 933.1 | 930.5 | 915.2 | 907.5 | 892.0 | 879.2 |
| 45° | 848.4 | 845.9 | 840.8 | 838.2 | 833.1 | 827.9 | 822.8 | 815.1 | 802.3 | 787.0 | 779.3 |
| 47.5° | 751.0 | 743.4 | 743.4 | 740.8 | 738.2 | 728.0 | 725.4 | 717.7 | 710.1 | 694.7 | 684.4 |
| 50° | 658.8 | 658.8 | 658.8 | 656.3 | 648.5 | 646.0 | 640.8 | 633.1 | 625.5 | 615.2 | 599.8 |
| 52.5° | 584.5 | 584.5 | 584.5 | 581.9 | 571.7 | 569.0 | 566.5 | 556.2 | 546.0 | 538.3 | 528.1 |
| 55° | 515.3 | 517.8 | 515.3 | 510.1 | 502.4 | 502.4 | 494.8 | 489.6 | 479.3 | 471.7 | 461.3 |
| 57.5° | 456.3 | 456.3 | 451.2 | 448.7 | 443.5 | 440.9 | 435.8 | 430.7 | 417.9 | 410.2 | 397.4 |
| 60° | 399.9 | 397.4 | 397.4 | 392.2 | 387.1 | 381.9 | 379.4 | 371.7 | 366.6 | 353.8 | 343.5 |
| 62.5° | 348.6 | 348.6 | 343.5 | 343.5 | 333.3 | 333.3 | 330.6 | 323.0 | 315.3 | 302.5 | 297.3 |
| 65° | 299.9 | 299.9 | 297.3 | 294.8 | 287.0 | 284.5 | 282.0 | 274.2 | 266.6 | 258.9 | 251.2 |
| 67.5° | 256.4 | 256.4 | 251.2 | 248.7 | 243.6 | 240.9 | 235.9 | 230.7 | 223.1 | 215.3 | 207.6 |
| 70° | 215.3 | 212.8 | 210.2 | 207.6 | 202.5 | 199.9 | 194.8 | 189.6 | 182.0 | 176.8 | 169.2 |
| 72.5° | 174.3 | 174.3 | 171.8 | 166.6 | 164.0 | 161.5 | 159.0 | 153.8 | 146.2 | 138.4 | 133.3 |
| 75° | 135.9 | 135.9 | 135.9 | 130.7 | 125.6 | 123.0 | 123.0 | 117.9 | 112.7 | 105.1 | 99.9 |
| 77.5° | 105.1 | 102.5 | 99.9 | 99.9 | 94.9 | 92.2 | 89.7 | 87.2 | 79.4 | 76.9 | 71.8 |
| 80° | 71.8 | 74.4 | 71.8 | 69.2 | 66.6 | 64.1 | 64.1 | 58.9 | 56.4 | 51.3 | 46.1 |
| 82.5° | 48.8 | 46.1 | 46.1 | 43.6 | 43.6 | 41.0 | 41.0 | 35.9 | 33.3 | 30.8 | 28.2 |
| 85° | 25.6 | 25.6 | 23.1 | 23.1 | 23.1 | 20.5 | 20.5 | 18.0 | 18.0 | 15.3 | 12.8 |
| 87.5° | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 5.2 | 5.2 | 5.2 |
| 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° | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 |
| 2.5° | 1737.9 | 1732.8 | 1730.3 | 1730.3 | 1727.8 | 1725.1 | 1722.6 | 1720.0 | 1714.9 | 1714.9 | 1709.8 |
| 5° | 1750.8 | 1745.6 | 1743.1 | 1735.4 | 1730.3 | 1730.3 | 1720.0 | 1717.5 | 1709.8 | 1704.6 | 1699.5 |
| 7.5° | 1761.1 | 1750.8 | 1743.1 | 1735.4 | 1730.3 | 1725.1 | 1714.9 | 1704.6 | 1694.5 | 1684.1 | 1679.0 |
| 10° | 1761.1 | 1750.8 | 1737.9 | 1725.1 | 1720.0 | 1714.9 | 1702.1 | 1686.7 | 1673.8 | 1663.7 | 1650.8 |
| 12.5° | 1755.9 | 1740.6 | 1725.1 | 1714.9 | 1704.6 | 1697.0 | 1681.6 | 1666.2 | 1650.8 | 1630.4 | 1620.1 |
| 15° | 1740.6 | 1720.0 | 1704.6 | 1686.7 | 1679.0 | 1666.2 | 1653.4 | 1630.4 | 1612.4 | 1594.4 | 1581.6 |
| 17.5° | 1709.8 | 1684.1 | 1666.2 | 1648.2 | 1635.4 | 1627.7 | 1607.2 | 1586.8 | 1566.3 | 1545.7 | 1530.3 |
| 20° | 1663.7 | 1640.5 | 1620.1 | 1596.9 | 1586.8 | 1576.4 | 1550.8 | 1530.3 | 1509.8 | 1486.7 | 1471.4 |
| 22.5° | 1607.2 | 1584.1 | 1556.0 | 1538.0 | 1522.7 | 1509.8 | 1486.7 | 1463.7 | 1443.2 | 1422.6 | 1402.1 |
| 25° | 1538.0 | 1515.0 | 1489.4 | 1461.1 | 1450.9 | 1438.1 | 1412.4 | 1389.3 | 1366.3 | 1343.2 | 1325.2 |
| 27.5° | 1463.7 | 1432.9 | 1412.4 | 1381.7 | 1371.4 | 1358.5 | 1330.4 | 1304.7 | 1284.3 | 1266.3 | 1245.8 |
| 30° | 1374.0 | 1350.9 | 1322.7 | 1294.6 | 1284.3 | 1271.4 | 1248.3 | 1225.3 | 1204.8 | 1184.2 | 1163.7 |
| 32.5° | 1276.6 | 1253.5 | 1225.3 | 1204.8 | 1189.4 | 1179.2 | 1156.1 | 1135.6 | 1115.1 | 1094.6 | 1076.6 |
| 35° | 1174.0 | 1148.4 | 1127.9 | 1107.4 | 1094.6 | 1081.8 | 1058.7 | 1040.7 | 1025.4 | 1007.4 | 989.4 |
| 37.5° | 1069.0 | 1051.0 | 1030.5 | 1007.4 | 994.6 | 984.4 | 966.4 | 945.9 | 933.1 | 917.7 | 904.8 |
| 40° | 966.4 | 945.9 | 928.0 | 907.5 | 897.2 | 889.5 | 871.5 | 856.2 | 843.4 | 830.6 | 822.8 |
| 42.5° | 861.2 | 843.4 | 825.4 | 812.6 | 804.9 | 797.3 | 784.5 | 766.5 | 758.8 | 746.0 | 738.2 |
| 45° | 763.8 | 748.5 | 735.7 | 717.7 | 712.6 | 707.5 | 692.1 | 679.3 | 671.6 | 663.9 | 658.8 |
| 47.5° | 671.6 | 661.3 | 646.0 | 635.7 | 628.0 | 623.0 | 612.7 | 602.4 | 594.7 | 589.5 | 584.5 |
| 50° | 592.2 | 579.4 | 569.0 | 558.9 | 553.7 | 546.0 | 535.7 | 530.6 | 525.4 | 520.4 | 520.4 |
| 52.5° | 517.8 | 505.0 | 494.8 | 487.0 | 482.0 | 476.8 | 469.1 | 466.5 | 461.3 | 461.3 | 458.8 |
| 55° | 448.7 | 440.9 | 430.7 | 420.4 | 417.9 | 415.2 | 410.2 | 405.0 | 402.4 | 399.9 | 402.4 |
| 57.5° | 389.6 | 381.9 | 371.7 | 364.0 | 361.4 | 358.9 | 356.3 | 351.1 | 348.6 | 348.6 | 348.6 |
| 60° | 335.8 | 328.1 | 320.5 | 312.7 | 312.7 | 307.6 | 305.0 | 302.5 | 299.9 | 297.3 | 297.3 |
| 62.5° | 287.0 | 279.4 | 271.7 | 266.6 | 264.0 | 261.5 | 256.4 | 253.7 | 251.2 | 251.2 | 248.7 |
| 65° | 243.6 | 233.3 | 230.7 | 223.1 | 220.4 | 217.9 | 215.3 | 210.2 | 207.6 | 205.1 | 202.5 |
| 67.5° | 199.9 | 194.8 | 187.1 | 182.0 | 179.5 | 176.8 | 174.3 | 169.2 | 166.6 | 164.0 | 159.0 |
| 70° | 161.5 | 156.3 | 151.2 | 146.2 | 143.5 | 141.0 | 135.9 | 130.7 | 128.2 | 123.0 | 115.4 |
| 72.5° | 125.6 | 120.5 | 115.4 | 110.2 | 107.7 | 105.1 | 99.9 | 94.9 | 89.7 | 84.6 | 79.4 |
| 75° | 94.9 | 89.7 | 82.1 | 76.9 | 74.4 | 74.4 | 66.6 | 61.6 | 56.4 | 48.8 | 43.6 |
| 77.5° | 66.6 | 58.9 | 56.4 | 51.3 | 48.8 | 43.6 | 38.5 | 33.3 | 28.2 | 25.6 | 20.5 |
| 80° | 43.6 | 38.5 | 33.3 | 30.8 | 28.2 | 25.6 | 23.1 | 18.0 | 12.8 | 10.3 | 7.7 |
| 82.5° | 25.6 | 23.1 | 20.5 | 18.0 | 15.3 | 12.8 | 10.3 | 10.3 | 7.7 | 5.2 | 2.5 |
| 85° | 12.8 | 10.3 | 7.7 | 7.7 | 5.2 | 5.2 | 5.2 | 2.5 | 2.5 | 2.5 | 2.5 |
| 87.5° | 5.2 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 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° | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 |
| 2.5° | 1707.3 | 1704.6 | 1702.1 | 1699.5 | 1699.5 | 1694.5 | 1694.5 | 1691.8 | 1686.7 | 1684.1 | 1684.1 |
| 5° | 1691.8 | 1684.1 | 1679.0 | 1676.5 | 1673.8 | 1666.2 | 1663.7 | 1658.5 | 1653.4 | 1648.2 | 1645.7 |
| 7.5° | 1668.8 | 1656.0 | 1650.8 | 1648.2 | 1640.5 | 1632.9 | 1627.7 | 1620.1 | 1612.4 | 1604.7 | 1602.1 |
| 10° | 1640.5 | 1627.7 | 1614.9 | 1609.8 | 1602.1 | 1596.9 | 1586.8 | 1576.4 | 1568.8 | 1561.1 | 1553.4 |
| 12.5° | 1604.7 | 1589.3 | 1576.4 | 1571.3 | 1563.6 | 1553.4 | 1538.0 | 1532.8 | 1520.1 | 1515.0 | 1504.7 |
| 15° | 1563.6 | 1545.7 | 1532.8 | 1525.2 | 1517.5 | 1502.2 | 1491.9 | 1481.7 | 1468.9 | 1463.7 | 1453.4 |
| 17.5° | 1512.4 | 1491.9 | 1479.1 | 1471.4 | 1466.2 | 1453.4 | 1438.1 | 1425.3 | 1412.4 | 1407.3 | 1399.6 |
| 20° | 1450.9 | 1438.1 | 1420.1 | 1412.4 | 1407.3 | 1392.0 | 1376.5 | 1371.4 | 1361.2 | 1350.9 | 1343.2 |
| 22.5° | 1381.7 | 1368.8 | 1350.9 | 1343.2 | 1340.7 | 1327.9 | 1315.0 | 1307.4 | 1299.6 | 1291.9 | 1284.3 |
| 25° | 1309.9 | 1294.6 | 1279.1 | 1274.0 | 1268.9 | 1258.6 | 1248.3 | 1243.3 | 1235.5 | 1230.5 | 1225.3 |
| 27.5° | 1233.0 | 1217.6 | 1204.8 | 1197.0 | 1192.0 | 1184.2 | 1179.2 | 1174.0 | 1168.9 | 1163.7 | 1161.2 |
| 30° | 1150.9 | 1135.6 | 1125.3 | 1120.2 | 1115.1 | 1112.5 | 1104.8 | 1102.3 | 1099.6 | 1094.6 | 1097.1 |
| 32.5° | 1069.0 | 1056.2 | 1045.9 | 1038.2 | 1038.2 | 1033.0 | 1030.5 | 1030.5 | 1027.9 | 1027.9 | 1027.9 |
| 35° | 979.2 | 971.6 | 963.8 | 961.3 | 958.8 | 956.1 | 953.6 | 956.1 | 953.6 | 956.1 | 958.8 |
| 37.5° | 897.2 | 889.5 | 884.4 | 881.8 | 879.2 | 881.8 | 879.2 | 879.2 | 881.8 | 886.9 | 889.5 |
| 40° | 812.6 | 807.5 | 802.3 | 804.9 | 802.3 | 802.3 | 802.3 | 810.0 | 812.6 | 815.1 | 817.8 |
| 42.5° | 733.2 | 728.0 | 725.4 | 725.4 | 728.0 | 725.4 | 730.5 | 733.2 | 738.2 | 746.0 | 751.0 |
| 45° | 656.3 | 653.6 | 653.6 | 656.3 | 653.6 | 658.8 | 658.8 | 663.9 | 671.6 | 676.8 | 681.9 |
| 47.5° | 584.5 | 584.5 | 584.5 | 587.0 | 587.0 | 589.5 | 594.7 | 597.3 | 602.4 | 607.5 | 612.7 |
| 50° | 517.8 | 520.4 | 522.9 | 522.9 | 522.9 | 528.1 | 533.2 | 535.7 | 538.3 | 540.9 | 548.6 |
| 52.5° | 458.8 | 461.3 | 461.3 | 464.0 | 466.5 | 469.1 | 471.7 | 476.8 | 479.3 | 484.5 | 487.0 |
| 55° | 402.4 | 402.4 | 407.6 | 410.2 | 410.2 | 410.2 | 415.2 | 415.2 | 420.4 | 423.0 | 428.0 |
| 57.5° | 348.6 | 351.1 | 351.1 | 353.8 | 353.8 | 356.3 | 358.9 | 361.4 | 364.0 | 366.6 | 369.1 |
| 60° | 297.3 | 297.3 | 297.3 | 299.9 | 302.5 | 305.0 | 302.5 | 307.6 | 307.6 | 312.7 | 315.3 |
| 62.5° | 248.7 | 251.2 | 251.2 | 251.2 | 251.2 | 251.2 | 251.2 | 253.7 | 256.4 | 258.9 | 261.5 |
| 65° | 202.5 | 202.5 | 202.5 | 199.9 | 202.5 | 199.9 | 202.5 | 205.1 | 205.1 | 207.6 | 210.2 |
| 67.5° | 156.3 | 156.3 | 151.2 | 151.2 | 153.8 | 153.8 | 153.8 | 153.8 | 151.2 | 156.3 | 156.3 |
| 70° | 112.7 | 110.2 | 107.7 | 105.1 | 105.1 | 102.5 | 102.5 | 99.9 | 99.9 | 99.9 | 99.9 |
| 72.5° | 74.4 | 69.2 | 64.1 | 61.6 | 58.9 | 58.9 | 53.8 | 51.3 | 53.8 | 53.8 | 53.8 |
| 75° | 38.5 | 33.3 | 30.8 | 28.2 | 25.6 | 25.6 | 23.1 | 23.1 | 23.1 | 23.1 | 23.1 |
| 77.5° | 15.3 | 12.8 | 10.3 | 10.3 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 |
| 80° | 5.2 | 5.2 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 82.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 85° | 2.5 | 0.0 | 0.0 | 2.5 | 0.0 | 2.5 | 2.5 | 2.5 | 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: P584470

CATALOG NUMBER: HCC8W35D010MW-HM82555930-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 | 1714.9 |
| 2.5° | 1681.6 | 1681.6 | 1679.0 | 1681.6 | 1676.5 | 1679.0 | 1676.5 | 1676.5 |
| 5° | 1643.2 | 1638.0 | 1638.0 | 1638.0 | 1635.4 | 1635.4 | 1632.9 | 1632.9 |
| 7.5° | 1596.9 | 1594.4 | 1591.9 | 1589.3 | 1586.8 | 1584.1 | 1584.1 | 1584.1 |
| 10° | 1550.8 | 1545.7 | 1545.7 | 1543.1 | 1538.0 | 1535.5 | 1535.5 | 1535.5 |
| 12.5° | 1497.0 | 1494.5 | 1491.9 | 1491.9 | 1481.7 | 1484.2 | 1481.7 | 1481.7 |
| 15° | 1445.7 | 1443.2 | 1443.2 | 1435.4 | 1430.4 | 1430.4 | 1430.4 | 1427.8 |
| 17.5° | 1392.0 | 1389.3 | 1386.8 | 1381.7 | 1376.5 | 1376.5 | 1374.0 | 1376.5 |
| 20° | 1335.5 | 1333.0 | 1327.9 | 1327.9 | 1325.2 | 1322.7 | 1317.6 | 1320.2 |
| 22.5° | 1279.1 | 1274.0 | 1271.4 | 1271.4 | 1268.9 | 1268.9 | 1263.8 | 1263.8 |
| 25° | 1220.2 | 1217.6 | 1215.0 | 1217.6 | 1212.5 | 1212.5 | 1207.3 | 1207.3 |
| 27.5° | 1158.7 | 1156.1 | 1156.1 | 1156.1 | 1153.6 | 1156.1 | 1153.6 | 1153.6 |
| 30° | 1097.1 | 1097.1 | 1094.6 | 1094.6 | 1097.1 | 1094.6 | 1097.1 | 1099.6 |
| 32.5° | 1030.5 | 1030.5 | 1033.0 | 1033.0 | 1035.6 | 1035.6 | 1035.6 | 1035.6 |
| 35° | 961.3 | 966.4 | 966.4 | 968.9 | 971.6 | 974.1 | 974.1 | 976.6 |
| 37.5° | 897.2 | 899.7 | 902.3 | 904.8 | 910.0 | 910.0 | 910.0 | 910.0 |
| 40° | 827.9 | 830.6 | 835.6 | 833.1 | 843.4 | 845.9 | 843.4 | 843.4 |
| 42.5° | 756.2 | 761.3 | 763.8 | 769.0 | 771.6 | 776.7 | 779.3 | 779.3 |
| 45° | 689.6 | 692.1 | 697.2 | 702.4 | 704.9 | 712.6 | 712.6 | 712.6 |
| 47.5° | 620.3 | 625.5 | 628.0 | 633.1 | 635.7 | 643.4 | 646.0 | 643.4 |
| 50° | 553.7 | 558.9 | 563.9 | 563.9 | 571.7 | 574.2 | 579.4 | 581.9 |
| 52.5° | 489.6 | 492.1 | 497.3 | 499.8 | 505.0 | 510.1 | 512.6 | 515.3 |
| 55° | 428.0 | 430.7 | 435.8 | 435.8 | 443.5 | 446.0 | 451.2 | 451.2 |
| 57.5° | 371.7 | 374.3 | 379.4 | 376.8 | 381.9 | 387.1 | 387.1 | 384.6 |
| 60° | 317.8 | 317.8 | 317.8 | 323.0 | 325.5 | 328.1 | 330.6 | 330.6 |
| 62.5° | 261.5 | 266.6 | 269.2 | 269.2 | 271.7 | 274.2 | 274.2 | 271.7 |
| 65° | 210.2 | 215.3 | 217.9 | 217.9 | 220.4 | 220.4 | 220.4 | 223.1 |
| 67.5° | 159.0 | 159.0 | 159.0 | 161.5 | 159.0 | 159.0 | 159.0 | 159.0 |
| 70° | 99.9 | 99.9 | 99.9 | 99.9 | 97.4 | 99.9 | 99.9 | 102.5 |
| 72.5° | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| 75° | 23.1 | 23.1 | 23.1 | 25.6 | 23.1 | 23.1 | 23.1 | 23.1 |
| 77.5° | 10.3 | 7.7 | 10.3 | 10.3 | 7.7 | 7.7 | 7.7 | 7.7 |
| 80° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 82.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 85° | 0.0 | 2.5 | 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)