

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: P584412

Luminaire Tested: **HCC8S35D010MW-HM82555835-81RWWC**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584412  
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: HCC8S35D010MW-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**

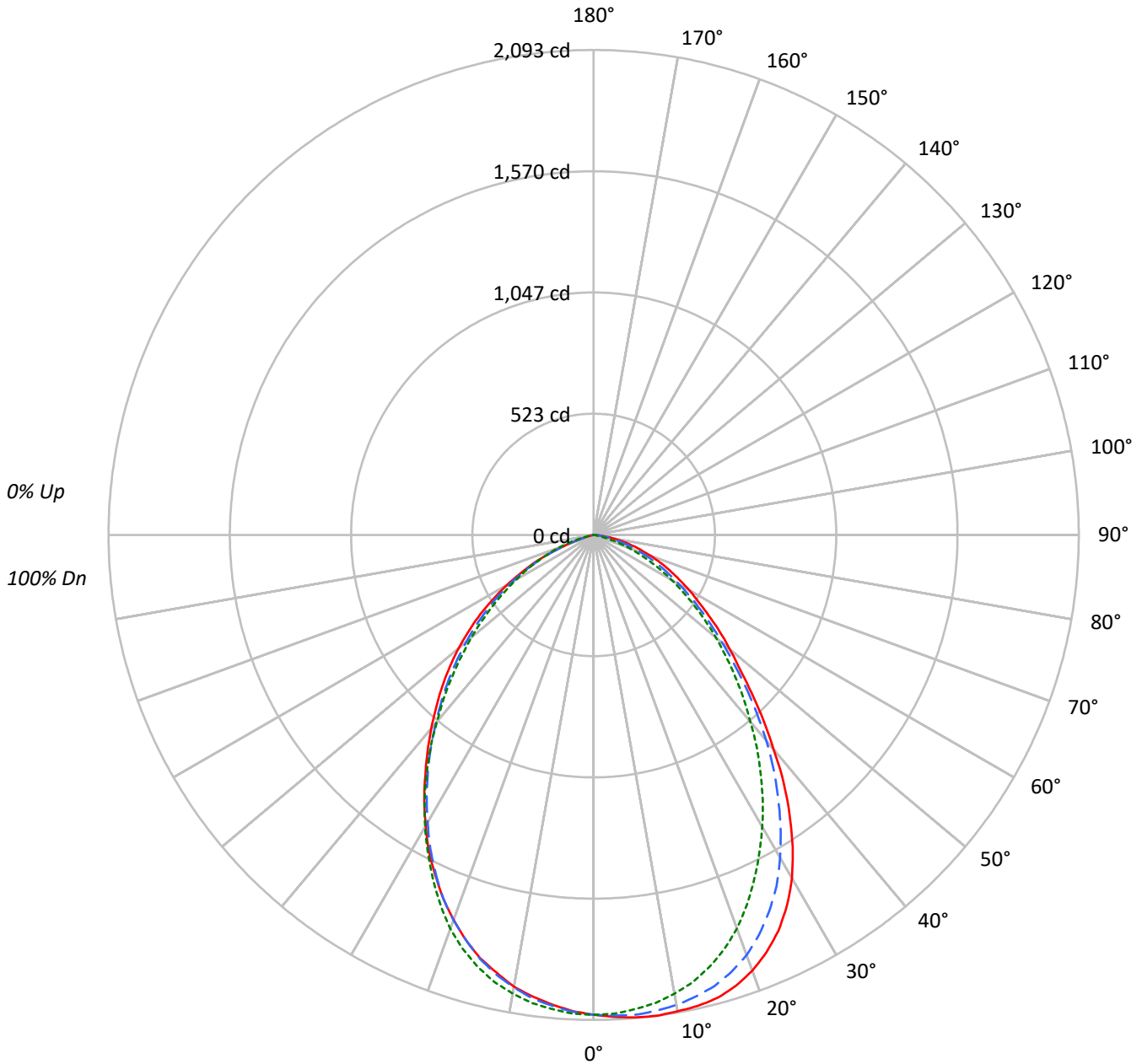
Lumens per Lamp: N/A  
Luminaire Lumens: 3935.8 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.7  
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



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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  | 84  | 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°  | 63859 | 63859 | 63859 |
| 5°  | 64700 | 63586 | 62989 |
| 10° | 65361 | 62937 | 61985 |
| 15° | 66022 | 61610 | 60375 |
| 20° | 65686 | 59333 | 57975 |
| 25° | 64159 | 55786 | 55031 |
| 30° | 60941 | 51783 | 51583 |
| 35° | 55476 | 47255 | 47669 |
| 40° | 48635 | 42291 | 43849 |
| 45° | 41956 | 37622 | 40269 |
| 50° | 36742 | 33029 | 36479 |
| 55° | 32553 | 28391 | 32106 |
| 60° | 29332 | 23873 | 26599 |
| 65° | 26428 | 19161 | 20379 |
| 70° | 23180 | 13957 | 11225 |
| 75° | 19766 | 7256  | 2967  |
| 80° | 15219 | 1953  | 497   |
| 85° | 9800  | 0     | 0     |

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Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 195.4  | 5.0       |
| 10°-20°   | 549.3  | 14.0      |
| 20°-30°   | 779.6  | 19.8      |
| 30°-40°   | 820.6  | 20.9      |
| 40°-50°   | 698.1  | 17.7      |
| 50°-60°   | 504.5  | 12.8      |
| 60°-70°   | 286.9  | 7.3       |
| 70°-80°   | 90.4   | 2.3       |
| 80°-90°   | 11.0   | 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°    | 1524.2 | 38.7      |
| 0°-40°    | 2344.9 | 59.6      |
| 0°-60°    | 3547.4 | 90.1      |
| 0°-90°    | 3935.8 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3935.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2071 | 2071 | 2071 | 2071 | 2071 |      |
| 5°  | 2090 | 2079 | 2054 | 2040 | 2035 | 199  |
| 15° | 2068 | 2016 | 1930 | 1894 | 1891 | 582  |
| 25° | 1886 | 1792 | 1640 | 1612 | 1617 | 864  |
| 35° | 1474 | 1388 | 1255 | 1247 | 1266 | 917  |
| 45° | 962  | 926  | 863  | 885  | 923  | 748  |
| 55° | 606  | 561  | 528  | 558  | 597  | 546  |
| 65° | 362  | 312  | 263  | 260  | 279  | 359  |
| 75° | 166  | 127  | 61   | 28   | 25   | 178  |
| 85° | 28   | 16   | 0    | 0    | 0    | 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°    | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 |
| 2.5°  | 2081.9 | 2084.6 | 2079.1 | 2079.1 | 2084.6 | 2079.1 | 2081.9 | 2081.9 | 2079.1 | 2079.1 | 2076.4 |
| 5°    | 2090.2 | 2087.4 | 2087.4 | 2087.4 | 2090.2 | 2084.6 | 2081.9 | 2084.6 | 2079.1 | 2079.1 | 2079.1 |
| 7.5°  | 2092.9 | 2092.9 | 2090.2 | 2087.4 | 2087.4 | 2087.4 | 2084.6 | 2081.9 | 2079.1 | 2073.6 | 2070.9 |
| 10°   | 2087.4 | 2087.4 | 2090.2 | 2084.6 | 2084.6 | 2079.1 | 2079.1 | 2073.6 | 2073.6 | 2068.1 | 2059.8 |
| 12.5° | 2081.9 | 2079.1 | 2079.1 | 2073.6 | 2073.6 | 2068.1 | 2068.1 | 2059.8 | 2057.0 | 2048.7 | 2040.4 |
| 15°   | 2068.1 | 2065.4 | 2059.8 | 2057.0 | 2054.2 | 2051.5 | 2045.9 | 2043.2 | 2034.9 | 2023.8 | 2015.5 |
| 17.5° | 2040.4 | 2037.7 | 2034.9 | 2029.4 | 2023.8 | 2021.0 | 2018.3 | 2010.0 | 1999.0 | 1990.7 | 1976.8 |
| 20°   | 2001.7 | 1999.0 | 1999.0 | 1990.7 | 1987.8 | 1979.6 | 1976.8 | 1965.8 | 1957.5 | 1940.9 | 1929.9 |
| 22.5° | 1949.1 | 1951.9 | 1946.4 | 1940.9 | 1935.4 | 1927.1 | 1921.6 | 1910.5 | 1896.7 | 1880.0 | 1866.2 |
| 25°   | 1885.7 | 1888.4 | 1882.8 | 1877.3 | 1869.0 | 1863.5 | 1858.0 | 1841.3 | 1827.5 | 1808.1 | 1791.6 |
| 27.5° | 1805.4 | 1805.4 | 1805.4 | 1799.9 | 1786.1 | 1783.3 | 1777.7 | 1761.2 | 1741.8 | 1725.2 | 1708.7 |
| 30°   | 1711.5 | 1708.7 | 1708.7 | 1700.3 | 1694.8 | 1683.8 | 1675.5 | 1661.6 | 1647.8 | 1628.4 | 1609.2 |
| 32.5° | 1598.0 | 1600.8 | 1592.5 | 1587.0 | 1578.7 | 1578.7 | 1567.7 | 1556.6 | 1540.0 | 1520.6 | 1501.3 |
| 35°   | 1473.7 | 1476.4 | 1470.9 | 1468.1 | 1454.3 | 1451.5 | 1448.7 | 1435.0 | 1423.8 | 1410.0 | 1387.9 |
| 37.5° | 1346.4 | 1343.7 | 1340.9 | 1340.9 | 1332.7 | 1327.1 | 1321.6 | 1313.2 | 1296.7 | 1285.7 | 1274.6 |
| 40°   | 1208.2 | 1208.2 | 1208.2 | 1205.4 | 1202.7 | 1197.2 | 1194.4 | 1188.9 | 1177.8 | 1166.7 | 1158.5 |
| 42.5° | 1083.8 | 1083.8 | 1081.1 | 1078.3 | 1072.7 | 1075.6 | 1069.9 | 1064.4 | 1053.4 | 1045.1 | 1039.6 |
| 45°   | 962.1  | 962.1  | 962.1  | 964.9  | 959.4  | 951.1  | 951.1  | 945.6  | 940.1  | 934.6  | 926.2  |
| 47.5° | 854.3  | 862.7  | 857.0  | 854.3  | 857.0  | 846.0  | 846.0  | 840.5  | 835.0  | 829.5  | 818.4  |
| 50°   | 765.9  | 765.9  | 765.9  | 760.4  | 757.6  | 757.6  | 749.2  | 743.7  | 741.0  | 735.5  | 724.4  |
| 52.5° | 685.6  | 680.1  | 680.1  | 677.3  | 674.6  | 669.1  | 669.1  | 663.6  | 652.6  | 646.9  | 638.7  |
| 55°   | 605.5  | 605.5  | 602.7  | 600.0  | 597.2  | 594.4  | 591.7  | 583.4  | 577.8  | 569.5  | 561.3  |
| 57.5° | 533.6  | 539.1  | 536.3  | 530.8  | 525.3  | 525.3  | 519.8  | 514.3  | 505.9  | 497.6  | 489.4  |
| 60°   | 475.6  | 472.7  | 472.7  | 470.0  | 464.5  | 461.7  | 459.0  | 450.7  | 442.4  | 434.0  | 425.8  |
| 62.5° | 414.7  | 414.7  | 414.7  | 409.2  | 403.6  | 400.9  | 398.1  | 392.6  | 381.6  | 373.3  | 367.7  |
| 65°   | 362.2  | 359.4  | 356.6  | 353.9  | 351.1  | 345.6  | 342.9  | 337.4  | 329.0  | 320.7  | 312.4  |
| 67.5° | 309.7  | 306.9  | 306.9  | 304.2  | 295.8  | 293.0  | 293.0  | 284.8  | 276.5  | 268.2  | 259.8  |
| 70°   | 257.1  | 257.1  | 257.1  | 251.6  | 248.8  | 246.1  | 243.3  | 237.8  | 229.5  | 221.2  | 212.9  |
| 72.5° | 212.9  | 210.1  | 210.1  | 207.4  | 199.1  | 196.4  | 193.5  | 188.0  | 179.7  | 174.2  | 168.7  |
| 75°   | 165.9  | 165.9  | 163.2  | 160.4  | 157.5  | 154.8  | 152.0  | 146.5  | 138.2  | 130.0  | 127.2  |
| 77.5° | 127.2  | 124.5  | 124.5  | 121.6  | 116.1  | 113.3  | 113.3  | 107.8  | 99.6   | 94.0   | 88.5   |
| 80°   | 85.7   | 88.5   | 85.7   | 82.9   | 80.1   | 77.4   | 74.6   | 71.9   | 66.4   | 60.9   | 55.3   |
| 82.5° | 52.5   | 55.3   | 52.5   | 52.5   | 49.7   | 47.0   | 47.0   | 41.5   | 38.7   | 35.9   | 33.2   |
| 85°   | 27.7   | 27.7   | 27.7   | 27.7   | 24.9   | 24.9   | 24.9   | 22.2   | 19.4   | 16.5   | 16.5   |
| 87.5° | 8.3    | 11.0   | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 5.5    | 5.5    | 5.5    |
| 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°    | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 |
| 2.5°  | 2079.1 | 2076.4 | 2073.6 | 2073.6 | 2073.6 | 2073.6 | 2073.6 | 2070.9 | 2068.1 | 2068.1 | 2068.1 |
| 5°    | 2073.6 | 2073.6 | 2073.6 | 2070.9 | 2068.1 | 2068.1 | 2062.6 | 2059.8 | 2057.0 | 2054.2 | 2051.5 |
| 7.5°  | 2068.1 | 2062.6 | 2059.8 | 2057.0 | 2054.2 | 2054.2 | 2048.7 | 2043.2 | 2043.2 | 2037.7 | 2032.2 |
| 10°   | 2051.5 | 2048.7 | 2043.2 | 2037.7 | 2034.9 | 2032.2 | 2026.7 | 2018.3 | 2015.5 | 2010.0 | 2004.5 |
| 12.5° | 2032.2 | 2026.7 | 2021.0 | 2010.0 | 2007.2 | 2004.5 | 1993.5 | 1985.1 | 1979.6 | 1976.8 | 1963.0 |
| 15°   | 2007.2 | 1996.2 | 1987.8 | 1974.1 | 1971.3 | 1965.8 | 1957.5 | 1949.1 | 1938.1 | 1929.9 | 1924.3 |
| 17.5° | 1963.0 | 1951.9 | 1938.1 | 1924.3 | 1918.7 | 1918.7 | 1904.9 | 1893.9 | 1880.0 | 1874.5 | 1863.5 |
| 20°   | 1910.5 | 1896.7 | 1885.7 | 1869.0 | 1860.7 | 1852.5 | 1844.1 | 1827.5 | 1816.5 | 1808.1 | 1794.4 |
| 22.5° | 1849.7 | 1830.3 | 1816.5 | 1799.9 | 1786.1 | 1777.7 | 1763.9 | 1750.2 | 1736.3 | 1728.0 | 1717.0 |
| 25°   | 1772.2 | 1755.7 | 1733.5 | 1717.0 | 1708.7 | 1697.6 | 1681.0 | 1667.1 | 1653.4 | 1639.6 | 1634.0 |
| 27.5° | 1686.5 | 1664.4 | 1645.1 | 1625.7 | 1617.4 | 1609.2 | 1589.7 | 1573.2 | 1562.1 | 1548.3 | 1542.8 |
| 30°   | 1592.5 | 1570.5 | 1548.3 | 1531.8 | 1523.4 | 1509.6 | 1498.6 | 1479.2 | 1465.4 | 1454.3 | 1440.5 |
| 32.5° | 1484.7 | 1468.1 | 1448.7 | 1423.8 | 1418.3 | 1407.3 | 1390.6 | 1382.4 | 1365.8 | 1357.6 | 1346.4 |
| 35°   | 1368.6 | 1357.6 | 1338.2 | 1318.8 | 1310.5 | 1305.0 | 1291.2 | 1274.6 | 1263.5 | 1255.3 | 1249.6 |
| 37.5° | 1258.0 | 1244.1 | 1224.8 | 1210.9 | 1205.4 | 1197.2 | 1180.6 | 1172.2 | 1161.2 | 1155.7 | 1144.7 |
| 40°   | 1139.1 | 1125.3 | 1111.5 | 1103.1 | 1094.9 | 1089.3 | 1078.3 | 1069.9 | 1058.9 | 1050.6 | 1047.9 |
| 42.5° | 1023.0 | 1014.7 | 1003.7 | 992.5  | 989.8  | 981.5  | 976.0  | 967.6  | 959.4  | 956.6  | 948.3  |
| 45°   | 917.9  | 909.6  | 898.6  | 887.5  | 884.7  | 879.2  | 876.5  | 868.2  | 862.7  | 862.7  | 862.7  |
| 47.5° | 812.8  | 804.6  | 793.6  | 787.9  | 790.7  | 779.7  | 779.7  | 776.9  | 771.4  | 771.4  | 774.1  |
| 50°   | 718.8  | 707.8  | 705.0  | 699.5  | 694.0  | 688.5  | 691.2  | 682.9  | 682.9  | 688.5  | 685.6  |
| 52.5° | 630.4  | 619.4  | 616.6  | 611.0  | 608.2  | 608.2  | 605.5  | 605.5  | 602.7  | 605.5  | 605.5  |
| 55°   | 550.2  | 541.9  | 536.3  | 530.8  | 528.1  | 528.1  | 528.1  | 525.3  | 522.6  | 528.1  | 530.8  |
| 57.5° | 478.4  | 475.6  | 470.0  | 461.7  | 459.0  | 456.2  | 453.4  | 453.4  | 453.4  | 453.4  | 456.2  |
| 60°   | 414.7  | 409.2  | 403.6  | 395.3  | 395.3  | 392.6  | 389.8  | 387.1  | 387.1  | 387.1  | 387.1  |
| 62.5° | 359.4  | 351.1  | 342.9  | 337.4  | 334.6  | 331.7  | 329.0  | 323.5  | 323.5  | 323.5  | 323.5  |
| 65°   | 304.2  | 295.8  | 290.3  | 284.8  | 279.3  | 279.3  | 273.7  | 271.0  | 265.5  | 262.6  | 257.1  |
| 67.5° | 251.6  | 246.1  | 240.6  | 232.3  | 229.5  | 226.7  | 221.2  | 218.4  | 210.1  | 207.4  | 204.6  |
| 70°   | 204.6  | 196.4  | 190.7  | 185.2  | 182.5  | 176.9  | 171.4  | 165.9  | 160.4  | 154.8  | 149.3  |
| 72.5° | 160.4  | 152.0  | 146.5  | 141.0  | 135.5  | 135.5  | 127.2  | 121.6  | 113.3  | 107.8  | 99.6   |
| 75°   | 118.8  | 110.6  | 105.1  | 96.8   | 94.0   | 91.3   | 82.9   | 77.4   | 69.1   | 60.9   | 55.3   |
| 77.5° | 80.1   | 74.6   | 69.1   | 60.9   | 55.3   | 55.3   | 47.0   | 41.5   | 35.9   | 27.7   | 24.9   |
| 80°   | 49.7   | 44.2   | 38.7   | 33.2   | 33.2   | 27.7   | 24.9   | 19.4   | 13.8   | 11.0   | 8.3    |
| 82.5° | 27.7   | 24.9   | 22.2   | 16.5   | 16.5   | 13.8   | 11.0   | 8.3    | 5.5    | 2.8    | 2.8    |
| 85°   | 13.8   | 11.0   | 8.3    | 8.3    | 5.5    | 5.5    | 5.5    | 2.8    | 2.8    | 0.0    | 0.0    |
| 87.5° | 5.5    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 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: P584412

CATALOG NUMBER: HCC8S35D010MW-HM82555835-81RWWC

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 |
| 2.5°  | 2065.4 | 2065.4 | 2062.6 | 2062.6 | 2062.6 | 2059.8 | 2062.6 | 2059.8 | 2059.8 | 2059.8 | 2062.6 |
| 5°    | 2054.2 | 2048.7 | 2048.7 | 2045.9 | 2045.9 | 2043.2 | 2045.9 | 2043.2 | 2040.4 | 2037.7 | 2040.4 |
| 7.5°  | 2032.2 | 2026.7 | 2023.8 | 2021.0 | 2021.0 | 2021.0 | 2018.3 | 2015.5 | 2018.3 | 2010.0 | 2015.5 |
| 10°   | 2001.7 | 1999.0 | 1993.5 | 1990.7 | 1987.8 | 1990.7 | 1987.8 | 1982.3 | 1982.3 | 1982.3 | 1979.6 |
| 12.5° | 1963.0 | 1957.5 | 1954.8 | 1951.9 | 1946.4 | 1946.4 | 1949.1 | 1943.6 | 1943.6 | 1938.1 | 1938.1 |
| 15°   | 1916.0 | 1910.5 | 1904.9 | 1904.9 | 1899.4 | 1899.4 | 1896.7 | 1896.7 | 1893.9 | 1891.2 | 1891.2 |
| 17.5° | 1858.0 | 1849.7 | 1844.1 | 1846.8 | 1844.1 | 1841.3 | 1841.3 | 1835.8 | 1833.1 | 1835.8 | 1835.8 |
| 20°   | 1788.9 | 1783.3 | 1777.7 | 1780.6 | 1775.0 | 1772.2 | 1775.0 | 1766.7 | 1769.4 | 1769.4 | 1769.4 |
| 22.5° | 1711.5 | 1708.7 | 1700.3 | 1700.3 | 1694.8 | 1692.1 | 1694.8 | 1694.8 | 1697.6 | 1694.8 | 1694.8 |
| 25°   | 1625.7 | 1620.2 | 1614.7 | 1614.7 | 1611.9 | 1609.2 | 1611.9 | 1614.7 | 1611.9 | 1614.7 | 1614.7 |
| 27.5° | 1534.5 | 1526.1 | 1526.1 | 1520.6 | 1520.6 | 1523.4 | 1520.6 | 1523.4 | 1526.1 | 1526.1 | 1531.8 |
| 30°   | 1435.0 | 1432.2 | 1429.5 | 1426.7 | 1426.7 | 1429.5 | 1429.5 | 1429.5 | 1432.2 | 1437.7 | 1437.7 |
| 32.5° | 1340.9 | 1335.4 | 1329.9 | 1329.9 | 1335.4 | 1332.7 | 1335.4 | 1335.4 | 1340.9 | 1340.9 | 1346.4 |
| 35°   | 1238.6 | 1238.6 | 1233.1 | 1235.9 | 1235.9 | 1235.9 | 1235.9 | 1241.4 | 1246.9 | 1249.6 | 1255.3 |
| 37.5° | 1144.7 | 1136.3 | 1139.1 | 1139.1 | 1141.8 | 1139.1 | 1147.4 | 1147.4 | 1153.0 | 1153.0 | 1158.5 |
| 40°   | 1042.4 | 1042.4 | 1045.1 | 1042.4 | 1045.1 | 1045.1 | 1050.6 | 1056.2 | 1058.9 | 1064.4 | 1067.2 |
| 42.5° | 945.6  | 951.1  | 945.6  | 948.3  | 951.1  | 953.8  | 956.6  | 959.4  | 970.5  | 976.0  | 984.3  |
| 45°   | 857.0  | 859.8  | 862.7  | 865.4  | 862.7  | 868.2  | 870.9  | 876.5  | 884.7  | 887.5  | 890.2  |
| 47.5° | 771.4  | 774.1  | 776.9  | 779.7  | 779.7  | 785.2  | 787.9  | 793.6  | 799.1  | 801.8  | 804.6  |
| 50°   | 688.5  | 694.0  | 696.8  | 696.8  | 699.5  | 705.0  | 710.5  | 710.5  | 716.0  | 724.4  | 727.2  |
| 52.5° | 613.7  | 613.7  | 619.4  | 622.1  | 624.9  | 624.9  | 633.1  | 635.9  | 638.7  | 644.2  | 649.7  |
| 55°   | 530.8  | 539.1  | 541.9  | 541.9  | 547.5  | 553.0  | 555.8  | 558.5  | 558.5  | 569.5  | 569.5  |
| 57.5° | 459.0  | 461.7  | 467.2  | 467.2  | 467.2  | 475.6  | 475.6  | 481.1  | 483.9  | 486.6  | 492.1  |
| 60°   | 387.1  | 392.6  | 392.6  | 395.3  | 392.6  | 398.1  | 400.9  | 406.5  | 409.2  | 412.0  | 414.7  |
| 62.5° | 320.7  | 320.7  | 323.5  | 323.5  | 323.5  | 323.5  | 329.0  | 329.0  | 334.6  | 337.4  | 340.1  |
| 65°   | 257.1  | 257.1  | 257.1  | 257.1  | 257.1  | 257.1  | 257.1  | 257.1  | 259.8  | 259.8  | 265.5  |
| 67.5° | 199.1  | 196.4  | 190.7  | 193.5  | 190.7  | 190.7  | 188.0  | 188.0  | 190.7  | 190.7  | 196.4  |
| 70°   | 143.8  | 141.0  | 135.5  | 135.5  | 132.7  | 130.0  | 127.2  | 124.5  | 121.6  | 121.6  | 121.6  |
| 72.5° | 94.0   | 88.5   | 80.1   | 77.4   | 77.4   | 71.9   | 66.4   | 63.6   | 63.6   | 63.6   | 63.6   |
| 75°   | 47.0   | 41.5   | 35.9   | 33.2   | 33.2   | 27.7   | 30.4   | 27.7   | 27.7   | 27.7   | 27.7   |
| 77.5° | 19.4   | 13.8   | 11.0   | 11.0   | 11.0   | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    |
| 80°   | 5.5    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 82.5° | 2.8    | 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    |





TEST NUMBER: P584412

CATALOG NUMBER: HCC8S35D010MW-HM82555835-81RWWC

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 | 2070.9 |
| 2.5°  | 2059.8 | 2059.8 | 2054.2 | 2057.0 | 2057.0 | 2057.0 | 2057.0 | 2057.0 |
| 5°    | 2034.9 | 2037.7 | 2034.9 | 2037.7 | 2037.7 | 2034.9 | 2034.9 | 2034.9 |
| 7.5°  | 2010.0 | 2012.8 | 2010.0 | 2012.8 | 2012.8 | 2012.8 | 2010.0 | 2010.0 |
| 10°   | 1979.6 | 1979.6 | 1979.6 | 1979.6 | 1979.6 | 1976.8 | 1979.6 | 1979.6 |
| 12.5° | 1938.1 | 1938.1 | 1938.1 | 1940.9 | 1940.9 | 1938.1 | 1938.1 | 1935.4 |
| 15°   | 1893.9 | 1888.4 | 1891.2 | 1893.9 | 1891.2 | 1891.2 | 1891.2 | 1891.2 |
| 17.5° | 1833.1 | 1835.8 | 1833.1 | 1833.1 | 1833.1 | 1833.1 | 1835.8 | 1833.1 |
| 20°   | 1769.4 | 1769.4 | 1772.2 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1766.7 |
| 22.5° | 1697.6 | 1694.8 | 1694.8 | 1697.6 | 1697.6 | 1694.8 | 1697.6 | 1697.6 |
| 25°   | 1617.4 | 1620.2 | 1617.4 | 1617.4 | 1620.2 | 1620.2 | 1620.2 | 1617.4 |
| 27.5° | 1531.8 | 1534.5 | 1537.3 | 1534.5 | 1534.5 | 1534.5 | 1537.3 | 1540.0 |
| 30°   | 1443.2 | 1448.7 | 1443.2 | 1443.2 | 1448.7 | 1446.0 | 1448.7 | 1448.7 |
| 32.5° | 1349.2 | 1357.6 | 1351.9 | 1357.6 | 1357.6 | 1360.3 | 1357.6 | 1360.3 |
| 35°   | 1255.3 | 1263.5 | 1263.5 | 1263.5 | 1266.3 | 1269.0 | 1269.0 | 1266.3 |
| 37.5° | 1166.7 | 1169.5 | 1169.5 | 1175.0 | 1177.8 | 1180.6 | 1180.6 | 1177.8 |
| 40°   | 1075.6 | 1081.1 | 1083.8 | 1083.8 | 1083.8 | 1089.3 | 1094.9 | 1089.3 |
| 42.5° | 987.0  | 989.8  | 992.5  | 992.5  | 998.1  | 1000.8 | 1003.7 | 1003.7 |
| 45°   | 901.4  | 906.9  | 909.6  | 912.4  | 915.2  | 920.7  | 917.9  | 923.4  |
| 47.5° | 812.8  | 821.1  | 823.9  | 826.6  | 832.3  | 835.0  | 837.8  | 840.5  |
| 50°   | 732.7  | 738.2  | 738.2  | 743.7  | 752.0  | 752.0  | 757.6  | 760.4  |
| 52.5° | 652.6  | 655.3  | 658.1  | 660.8  | 666.3  | 671.8  | 671.8  | 677.3  |
| 55°   | 575.0  | 577.8  | 577.8  | 580.6  | 583.4  | 594.4  | 597.2  | 597.2  |
| 57.5° | 494.9  | 494.9  | 500.4  | 503.2  | 505.9  | 511.5  | 511.5  | 511.5  |
| 60°   | 417.5  | 420.3  | 420.3  | 423.0  | 425.8  | 431.3  | 434.0  | 431.3  |
| 62.5° | 340.1  | 342.9  | 342.9  | 345.6  | 351.1  | 353.9  | 351.1  | 351.1  |
| 65°   | 268.2  | 271.0  | 271.0  | 273.7  | 279.3  | 279.3  | 276.5  | 279.3  |
| 67.5° | 196.4  | 196.4  | 196.4  | 196.4  | 196.4  | 196.4  | 196.4  | 196.4  |
| 70°   | 124.5  | 121.6  | 118.8  | 121.6  | 121.6  | 121.6  | 118.8  | 124.5  |
| 72.5° | 60.9   | 63.6   | 63.6   | 63.6   | 63.6   | 63.6   | 63.6   | 60.9   |
| 75°   | 27.7   | 27.7   | 24.9   | 24.9   | 24.9   | 27.7   | 27.7   | 24.9   |
| 77.5° | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    |
| 80°   | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 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    |

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

Scaled Data Report



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1121 Highway 74 South  
Peachtree City, GA 30269

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Peachtree City, GA 30269

Scaled Data Report



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

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