

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: P593698

Luminaire Tested: **HCC8S35D010BZ-HM82555850-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593698
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: HCC8S35D010BZ-HM82555850-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

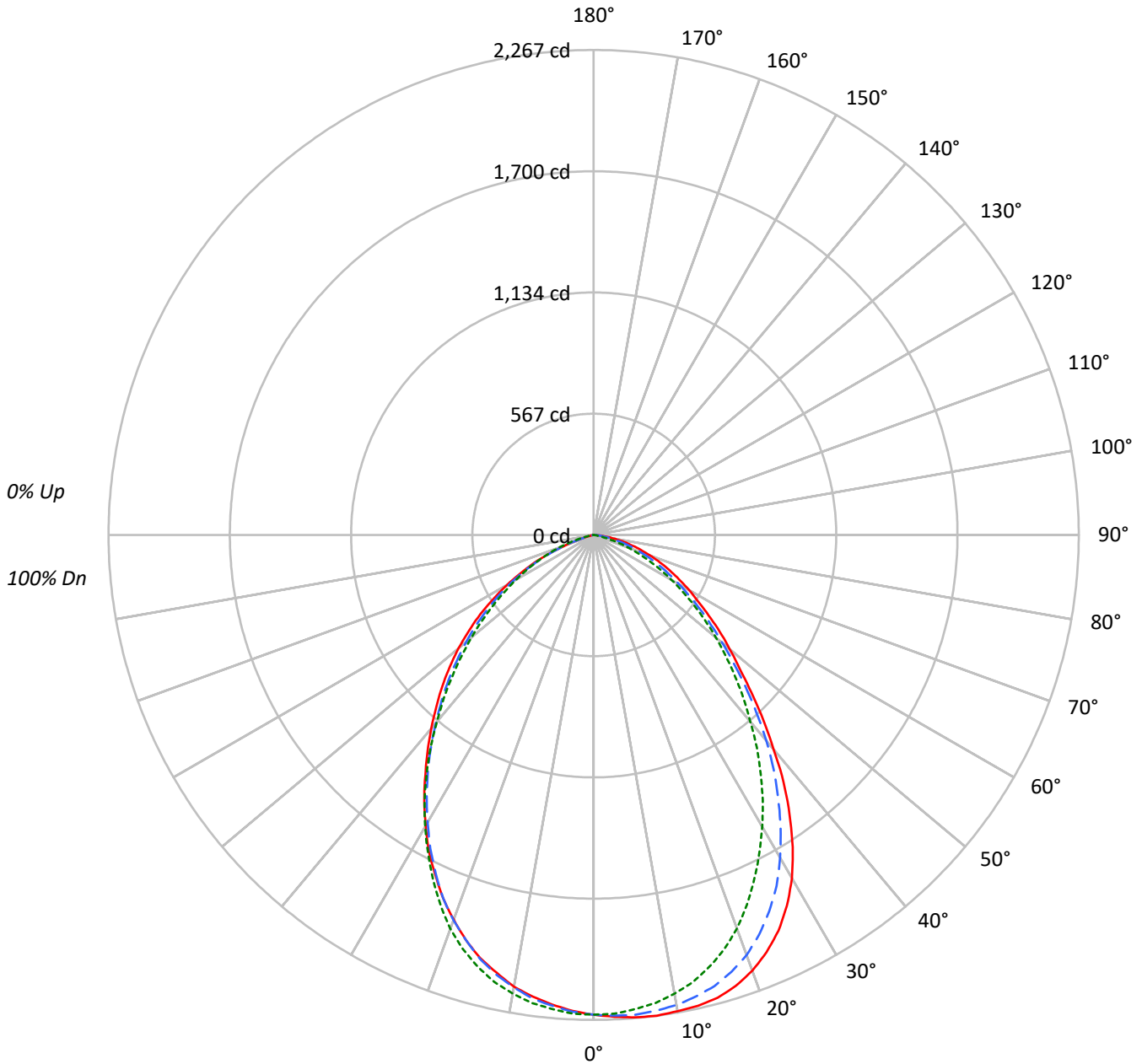
Lumens per Lamp: N/A
Luminaire Lumens: 4262.7 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (A_{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: P593698
CATALOG NUMBER: HCC8S35D010BZ-HM82555850-81RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P593698

CATALOG NUMBER: HCC8S35D010BZ-HM82555850-81RWWC

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 | | | 100 |
| 1 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | 88 |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 91 | 86 | 82 | 87 | 84 | 81 | 84 | 82 | 79 | 77 | | | 77 |
| 3 | 95 | 86 | 79 | 73 | 93 | 84 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 70 | 76 | 73 | 69 | 67 | | | 67 |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 69 | 65 | 61 | 59 | | | 59 |
| 5 | 81 | 70 | 62 | 56 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | | 52 |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | | | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 | | | 42 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 38 | | | 38 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | 35 |
| 10 | 58 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 69163 | 69163 | 69163 |
| 5° | 70071 | 68870 | 68223 |
| 10° | 70787 | 68166 | 67136 |
| 15° | 71507 | 66728 | 65387 |
| 20° | 71144 | 64266 | 62789 |
| 25° | 69484 | 60417 | 59600 |
| 30° | 65997 | 56084 | 55870 |
| 35° | 60084 | 51177 | 51629 |
| 40° | 52676 | 45805 | 47492 |
| 45° | 45441 | 40744 | 43613 |
| 50° | 39793 | 35769 | 39506 |
| 55° | 35257 | 30746 | 34773 |
| 60° | 31761 | 25853 | 28807 |
| 65° | 28617 | 20759 | 22072 |
| 70° | 25109 | 15120 | 12153 |
| 75° | 21410 | 7851 | 3217 |
| 80° | 16479 | 2131 | 533 |
| 85° | 10614 | 0 | 0 |



TEST NUMBER: P593698
 CATALOG NUMBER: HCC8S35D010BZ-HM82555850-81RWWC

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 211.6 | 5.0 |
| 10°-20° | 594.9 | 14.0 |
| 20°-30° | 844.3 | 19.8 |
| 30°-40° | 888.8 | 20.9 |
| 40°-50° | 756.1 | 17.7 |
| 50°-60° | 546.4 | 12.8 |
| 60°-70° | 310.8 | 7.3 |
| 70°-80° | 97.9 | 2.3 |
| 80°-90° | 11.9 | 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° | 1650.8 | 38.7 |
| 0°-40° | 2539.6 | 59.6 |
| 0°-60° | 3842.1 | 90.1 |
| 0°-90° | 4262.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4262.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2243 | 2243 | 2243 | 2243 | 2243 | |
| 5° | 2264 | 2252 | 2225 | 2210 | 2204 | 216 |
| 15° | 2240 | 2183 | 2090 | 2051 | 2048 | 631 |
| 25° | 2042 | 1940 | 1776 | 1746 | 1752 | 935 |
| 35° | 1596 | 1503 | 1360 | 1350 | 1372 | 993 |
| 45° | 1042 | 1003 | 934 | 958 | 1000 | 810 |
| 55° | 656 | 608 | 572 | 605 | 647 | 591 |
| 65° | 392 | 338 | 284 | 282 | 302 | 389 |
| 75° | 180 | 138 | 66 | 30 | 27 | 193 |
| 85° | 30 | 18 | 0 | 0 | 0 | 39 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P593698

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 |
| 2.5° | 2254.8 | 2257.8 | 2251.8 | 2251.8 | 2257.8 | 2251.8 | 2254.8 | 2254.8 | 2251.8 | 2251.8 | 2248.8 |
| 5° | 2263.7 | 2260.7 | 2260.7 | 2260.7 | 2263.7 | 2257.8 | 2254.8 | 2257.8 | 2251.8 | 2251.8 | 2251.8 |
| 7.5° | 2266.7 | 2266.7 | 2263.7 | 2260.7 | 2260.7 | 2260.7 | 2257.8 | 2254.8 | 2251.8 | 2245.8 | 2242.9 |
| 10° | 2260.7 | 2260.7 | 2263.7 | 2257.8 | 2257.8 | 2251.8 | 2251.8 | 2245.8 | 2245.8 | 2239.9 | 2230.9 |
| 12.5° | 2254.8 | 2251.8 | 2251.8 | 2245.8 | 2245.8 | 2239.9 | 2239.9 | 2230.9 | 2227.9 | 2218.9 | 2210.0 |
| 15° | 2239.9 | 2236.9 | 2230.9 | 2227.9 | 2224.9 | 2221.9 | 2215.9 | 2212.9 | 2204.0 | 2192.0 | 2183.0 |
| 17.5° | 2210.0 | 2207.0 | 2204.0 | 2198.0 | 2192.0 | 2189.0 | 2186.0 | 2177.0 | 2165.0 | 2156.0 | 2141.1 |
| 20° | 2168.0 | 2165.0 | 2165.0 | 2156.0 | 2153.0 | 2144.1 | 2141.1 | 2129.1 | 2120.1 | 2102.1 | 2090.2 |
| 22.5° | 2111.1 | 2114.1 | 2108.1 | 2102.1 | 2096.1 | 2087.2 | 2081.2 | 2069.2 | 2054.2 | 2036.2 | 2021.3 |
| 25° | 2042.2 | 2045.2 | 2039.2 | 2033.2 | 2024.3 | 2018.3 | 2012.3 | 1994.3 | 1979.3 | 1958.4 | 1940.4 |
| 27.5° | 1955.4 | 1955.4 | 1955.4 | 1949.4 | 1934.4 | 1931.4 | 1925.4 | 1907.5 | 1886.5 | 1868.5 | 1850.6 |
| 30° | 1853.5 | 1850.6 | 1850.6 | 1841.6 | 1835.6 | 1823.6 | 1814.6 | 1799.6 | 1784.7 | 1763.7 | 1742.7 |
| 32.5° | 1730.8 | 1733.7 | 1724.8 | 1718.8 | 1709.8 | 1709.8 | 1697.8 | 1685.8 | 1667.9 | 1646.9 | 1625.9 |
| 35° | 1596.1 | 1599.1 | 1593.1 | 1590.1 | 1575.1 | 1572.1 | 1569.1 | 1554.2 | 1542.2 | 1527.2 | 1503.3 |
| 37.5° | 1458.3 | 1455.3 | 1452.3 | 1452.3 | 1443.4 | 1437.4 | 1431.4 | 1422.4 | 1404.4 | 1392.4 | 1380.5 |
| 40° | 1308.6 | 1308.6 | 1308.6 | 1305.6 | 1302.6 | 1296.6 | 1293.6 | 1287.6 | 1275.6 | 1263.7 | 1254.7 |
| 42.5° | 1173.8 | 1173.8 | 1170.8 | 1167.8 | 1161.8 | 1164.8 | 1158.8 | 1152.8 | 1140.9 | 1131.9 | 1125.9 |
| 45° | 1042.0 | 1042.0 | 1042.0 | 1045.0 | 1039.0 | 1030.0 | 1030.0 | 1024.1 | 1018.1 | 1012.1 | 1003.1 |
| 47.5° | 925.3 | 934.3 | 928.3 | 925.3 | 928.3 | 916.4 | 916.4 | 910.4 | 904.4 | 898.4 | 886.4 |
| 50° | 829.5 | 829.5 | 829.5 | 823.5 | 820.5 | 820.5 | 811.5 | 805.5 | 802.5 | 796.6 | 784.6 |
| 52.5° | 742.6 | 736.7 | 736.7 | 733.7 | 730.7 | 724.7 | 724.7 | 718.7 | 706.7 | 700.7 | 691.7 |
| 55° | 655.8 | 655.8 | 652.8 | 649.8 | 646.8 | 643.8 | 640.8 | 631.8 | 625.8 | 616.9 | 607.9 |
| 57.5° | 577.9 | 583.9 | 580.9 | 574.9 | 568.9 | 568.9 | 562.9 | 557.0 | 548.0 | 539.0 | 530.0 |
| 60° | 515.0 | 512.0 | 512.0 | 509.0 | 503.0 | 500.0 | 497.1 | 488.1 | 479.1 | 470.1 | 461.1 |
| 62.5° | 449.1 | 449.1 | 449.1 | 443.1 | 437.2 | 434.2 | 431.2 | 425.2 | 413.2 | 404.2 | 398.2 |
| 65° | 392.2 | 389.2 | 386.2 | 383.2 | 380.2 | 374.3 | 371.3 | 365.3 | 356.3 | 347.3 | 338.3 |
| 67.5° | 335.3 | 332.3 | 332.3 | 329.3 | 320.5 | 317.5 | 317.5 | 308.5 | 299.5 | 290.5 | 281.5 |
| 70° | 278.5 | 278.5 | 278.5 | 272.5 | 269.6 | 266.6 | 263.6 | 257.6 | 248.6 | 239.6 | 230.6 |
| 72.5° | 230.6 | 227.6 | 227.6 | 224.6 | 215.6 | 212.6 | 209.6 | 203.7 | 194.7 | 188.7 | 182.7 |
| 75° | 179.7 | 179.7 | 176.7 | 173.7 | 170.7 | 167.7 | 164.7 | 158.7 | 149.8 | 140.8 | 137.8 |
| 77.5° | 137.8 | 134.8 | 134.8 | 131.8 | 125.8 | 122.8 | 122.8 | 116.8 | 107.8 | 101.8 | 95.8 |
| 80° | 92.8 | 95.8 | 92.8 | 89.8 | 86.9 | 83.9 | 80.9 | 77.9 | 71.9 | 65.9 | 59.9 |
| 82.5° | 56.9 | 59.9 | 56.9 | 56.9 | 53.9 | 50.9 | 50.9 | 44.9 | 41.9 | 38.9 | 35.9 |
| 85° | 30.0 | 30.0 | 30.0 | 30.0 | 27.0 | 27.0 | 27.0 | 24.0 | 21.0 | 18.0 | 18.0 |
| 87.5° | 9.0 | 12.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 6.0 | 6.0 | 6.0 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 |
| 2.5° | 2251.8 | 2248.8 | 2245.8 | 2245.8 | 2245.8 | 2245.8 | 2245.8 | 2242.9 | 2239.9 | 2239.9 | 2239.9 |
| 5° | 2245.8 | 2245.8 | 2245.8 | 2242.9 | 2239.9 | 2239.9 | 2233.9 | 2230.9 | 2227.9 | 2224.9 | 2221.9 |
| 7.5° | 2239.9 | 2233.9 | 2230.9 | 2227.9 | 2224.9 | 2224.9 | 2218.9 | 2212.9 | 2212.9 | 2207.0 | 2201.0 |
| 10° | 2221.9 | 2218.9 | 2212.9 | 2207.0 | 2204.0 | 2201.0 | 2195.0 | 2186.0 | 2183.0 | 2177.0 | 2171.0 |
| 12.5° | 2201.0 | 2195.0 | 2189.0 | 2177.0 | 2174.0 | 2171.0 | 2159.0 | 2150.1 | 2144.1 | 2141.1 | 2126.1 |
| 15° | 2174.0 | 2162.0 | 2153.0 | 2138.1 | 2135.1 | 2129.1 | 2120.1 | 2111.1 | 2099.1 | 2090.2 | 2084.2 |
| 17.5° | 2126.1 | 2114.1 | 2099.1 | 2084.2 | 2078.2 | 2078.2 | 2063.2 | 2051.2 | 2036.2 | 2030.3 | 2018.3 |
| 20° | 2069.2 | 2054.2 | 2042.2 | 2024.3 | 2015.3 | 2006.3 | 1997.3 | 1979.3 | 1967.4 | 1958.4 | 1943.4 |
| 22.5° | 2003.3 | 1982.3 | 1967.4 | 1949.4 | 1934.4 | 1925.4 | 1910.5 | 1895.5 | 1880.5 | 1871.5 | 1859.5 |
| 25° | 1919.4 | 1901.5 | 1877.5 | 1859.5 | 1850.6 | 1838.6 | 1820.6 | 1805.6 | 1790.7 | 1775.7 | 1769.7 |
| 27.5° | 1826.6 | 1802.6 | 1781.7 | 1760.7 | 1751.7 | 1742.7 | 1721.8 | 1703.8 | 1691.8 | 1676.8 | 1670.9 |
| 30° | 1724.8 | 1700.8 | 1676.8 | 1658.9 | 1649.9 | 1634.9 | 1622.9 | 1602.1 | 1587.1 | 1575.1 | 1560.2 |
| 32.5° | 1608.0 | 1590.1 | 1569.1 | 1542.2 | 1536.2 | 1524.2 | 1506.2 | 1497.3 | 1479.3 | 1470.3 | 1458.3 |
| 35° | 1482.3 | 1470.3 | 1449.3 | 1428.4 | 1419.4 | 1413.4 | 1398.4 | 1380.5 | 1368.5 | 1359.5 | 1353.5 |
| 37.5° | 1362.5 | 1347.5 | 1326.5 | 1311.6 | 1305.6 | 1296.6 | 1278.6 | 1269.6 | 1257.7 | 1251.7 | 1239.7 |
| 40° | 1233.7 | 1218.7 | 1203.8 | 1194.8 | 1185.8 | 1179.8 | 1167.8 | 1158.8 | 1146.8 | 1137.9 | 1134.9 |
| 42.5° | 1107.9 | 1098.9 | 1086.9 | 1075.0 | 1072.0 | 1063.0 | 1057.0 | 1048.0 | 1039.0 | 1036.0 | 1027.0 |
| 45° | 994.1 | 985.1 | 973.1 | 961.3 | 958.3 | 952.3 | 949.3 | 940.3 | 934.3 | 934.3 | 934.3 |
| 47.5° | 880.4 | 871.4 | 859.4 | 853.5 | 856.5 | 844.5 | 844.5 | 841.5 | 835.5 | 835.5 | 838.5 |
| 50° | 778.6 | 766.6 | 763.6 | 757.6 | 751.6 | 745.6 | 748.6 | 739.6 | 739.6 | 745.6 | 742.6 |
| 52.5° | 682.7 | 670.8 | 667.8 | 661.8 | 658.8 | 658.8 | 655.8 | 655.8 | 652.8 | 655.8 | 655.8 |
| 55° | 595.9 | 586.9 | 580.9 | 574.9 | 571.9 | 571.9 | 571.9 | 568.9 | 565.9 | 571.9 | 574.9 |
| 57.5° | 518.0 | 515.0 | 509.0 | 500.0 | 497.1 | 494.1 | 491.1 | 491.1 | 491.1 | 491.1 | 494.1 |
| 60° | 449.1 | 443.1 | 437.2 | 428.2 | 428.2 | 425.2 | 422.2 | 419.2 | 419.2 | 419.2 | 419.2 |
| 62.5° | 389.2 | 380.2 | 371.3 | 365.3 | 362.3 | 359.3 | 356.3 | 350.3 | 350.3 | 350.3 | 350.3 |
| 65° | 329.3 | 320.5 | 314.5 | 308.5 | 302.5 | 302.5 | 296.5 | 293.5 | 287.5 | 284.5 | 278.5 |
| 67.5° | 272.5 | 266.6 | 260.6 | 251.6 | 248.6 | 245.6 | 239.6 | 236.6 | 227.6 | 224.6 | 221.6 |
| 70° | 221.6 | 212.6 | 206.7 | 200.7 | 197.7 | 191.7 | 185.7 | 179.7 | 173.7 | 167.7 | 161.7 |
| 72.5° | 173.7 | 164.7 | 158.7 | 152.7 | 146.8 | 146.8 | 137.8 | 131.8 | 122.8 | 116.8 | 107.8 |
| 75° | 128.8 | 119.8 | 113.8 | 104.8 | 101.8 | 98.8 | 89.8 | 83.9 | 74.9 | 65.9 | 59.9 |
| 77.5° | 86.9 | 80.9 | 74.9 | 65.9 | 59.9 | 59.9 | 50.9 | 44.9 | 38.9 | 30.0 | 27.0 |
| 80° | 53.9 | 47.9 | 41.9 | 35.9 | 35.9 | 30.0 | 27.0 | 21.0 | 15.0 | 12.0 | 9.0 |
| 82.5° | 30.0 | 27.0 | 24.0 | 18.0 | 18.0 | 15.0 | 12.0 | 9.0 | 6.0 | 3.0 | 3.0 |
| 85° | 15.0 | 12.0 | 9.0 | 9.0 | 6.0 | 6.0 | 6.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 87.5° | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 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: P593698

CATALOG NUMBER: HCC8S35D010BZ-HM82555850-81RWWC

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 |
| 2.5° | 2236.9 | 2236.9 | 2233.9 | 2233.9 | 2233.9 | 2230.9 | 2233.9 | 2230.9 | 2230.9 | 2230.9 | 2233.9 |
| 5° | 2224.9 | 2218.9 | 2218.9 | 2215.9 | 2215.9 | 2212.9 | 2215.9 | 2212.9 | 2210.0 | 2207.0 | 2210.0 |
| 7.5° | 2201.0 | 2195.0 | 2192.0 | 2189.0 | 2189.0 | 2189.0 | 2186.0 | 2183.0 | 2186.0 | 2177.0 | 2183.0 |
| 10° | 2168.0 | 2165.0 | 2159.0 | 2156.0 | 2153.0 | 2156.0 | 2153.0 | 2147.1 | 2147.1 | 2147.1 | 2144.1 |
| 12.5° | 2126.1 | 2120.1 | 2117.1 | 2114.1 | 2108.1 | 2108.1 | 2111.1 | 2105.1 | 2105.1 | 2099.1 | 2099.1 |
| 15° | 2075.2 | 2069.2 | 2063.2 | 2063.2 | 2057.2 | 2057.2 | 2054.2 | 2054.2 | 2051.2 | 2048.2 | 2048.2 |
| 17.5° | 2012.3 | 2003.3 | 1997.3 | 2000.3 | 1997.3 | 1994.3 | 1994.3 | 1988.3 | 1985.3 | 1988.3 | 1988.3 |
| 20° | 1937.4 | 1931.4 | 1925.4 | 1928.4 | 1922.4 | 1919.4 | 1922.4 | 1913.4 | 1916.4 | 1916.4 | 1916.4 |
| 22.5° | 1853.5 | 1850.6 | 1841.6 | 1841.6 | 1835.6 | 1832.6 | 1835.6 | 1835.6 | 1838.6 | 1835.6 | 1835.6 |
| 25° | 1760.7 | 1754.7 | 1748.7 | 1748.7 | 1745.7 | 1742.7 | 1745.7 | 1748.7 | 1745.7 | 1748.7 | 1748.7 |
| 27.5° | 1661.9 | 1652.9 | 1652.9 | 1646.9 | 1646.9 | 1649.9 | 1646.9 | 1649.9 | 1652.9 | 1652.9 | 1658.9 |
| 30° | 1554.2 | 1551.2 | 1548.2 | 1545.2 | 1545.2 | 1548.2 | 1548.2 | 1548.2 | 1551.2 | 1557.2 | 1557.2 |
| 32.5° | 1452.3 | 1446.3 | 1440.4 | 1440.4 | 1446.3 | 1443.4 | 1446.3 | 1446.3 | 1452.3 | 1452.3 | 1458.3 |
| 35° | 1341.5 | 1341.5 | 1335.5 | 1338.5 | 1338.5 | 1338.5 | 1338.5 | 1344.5 | 1350.5 | 1353.5 | 1359.5 |
| 37.5° | 1239.7 | 1230.7 | 1233.7 | 1233.7 | 1236.7 | 1233.7 | 1242.7 | 1242.7 | 1248.7 | 1248.7 | 1254.7 |
| 40° | 1128.9 | 1128.9 | 1131.9 | 1128.9 | 1131.9 | 1131.9 | 1137.9 | 1143.9 | 1146.8 | 1152.8 | 1155.8 |
| 42.5° | 1024.1 | 1030.0 | 1024.1 | 1027.0 | 1030.0 | 1033.0 | 1036.0 | 1039.0 | 1051.0 | 1057.0 | 1066.0 |
| 45° | 928.3 | 931.3 | 934.3 | 937.3 | 934.3 | 940.3 | 943.3 | 949.3 | 958.3 | 961.3 | 964.2 |
| 47.5° | 835.5 | 838.5 | 841.5 | 844.5 | 844.5 | 850.5 | 853.5 | 859.4 | 865.4 | 868.4 | 871.4 |
| 50° | 745.6 | 751.6 | 754.6 | 754.6 | 757.6 | 763.6 | 769.6 | 769.6 | 775.6 | 784.6 | 787.6 |
| 52.5° | 664.8 | 664.8 | 670.8 | 673.8 | 676.8 | 676.8 | 685.7 | 688.7 | 691.7 | 697.7 | 703.7 |
| 55° | 574.9 | 583.9 | 586.9 | 586.9 | 592.9 | 598.9 | 601.9 | 604.9 | 604.9 | 616.9 | 616.9 |
| 57.5° | 497.1 | 500.0 | 506.0 | 506.0 | 506.0 | 515.0 | 515.0 | 521.0 | 524.0 | 527.0 | 533.0 |
| 60° | 419.2 | 425.2 | 425.2 | 428.2 | 425.2 | 431.2 | 434.2 | 440.1 | 443.1 | 446.1 | 449.1 |
| 62.5° | 347.3 | 347.3 | 350.3 | 350.3 | 350.3 | 350.3 | 356.3 | 356.3 | 362.3 | 365.3 | 368.3 |
| 65° | 278.5 | 278.5 | 278.5 | 278.5 | 278.5 | 278.5 | 278.5 | 278.5 | 281.5 | 281.5 | 287.5 |
| 67.5° | 215.6 | 212.6 | 206.7 | 209.6 | 206.7 | 206.7 | 203.7 | 203.7 | 206.7 | 206.7 | 212.6 |
| 70° | 155.7 | 152.7 | 146.8 | 146.8 | 143.8 | 140.8 | 137.8 | 134.8 | 131.8 | 131.8 | 131.8 |
| 72.5° | 101.8 | 95.8 | 86.9 | 83.9 | 83.9 | 77.9 | 71.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| 75° | 50.9 | 44.9 | 38.9 | 35.9 | 35.9 | 30.0 | 32.9 | 30.0 | 30.0 | 30.0 | 30.0 |
| 77.5° | 21.0 | 15.0 | 12.0 | 12.0 | 12.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 80° | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 82.5° | 3.0 | 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: P593698

CATALOG NUMBER: HCC8S35D010BZ-HM82555850-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 | 2242.9 |
| 2.5° | 2230.9 | 2230.9 | 2224.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 |
| 5° | 2204.0 | 2207.0 | 2204.0 | 2207.0 | 2207.0 | 2204.0 | 2204.0 | 2204.0 |
| 7.5° | 2177.0 | 2180.0 | 2177.0 | 2180.0 | 2180.0 | 2180.0 | 2177.0 | 2177.0 |
| 10° | 2144.1 | 2144.1 | 2144.1 | 2144.1 | 2144.1 | 2141.1 | 2144.1 | 2144.1 |
| 12.5° | 2099.1 | 2099.1 | 2099.1 | 2102.1 | 2102.1 | 2099.1 | 2099.1 | 2096.1 |
| 15° | 2051.2 | 2045.2 | 2048.2 | 2051.2 | 2048.2 | 2048.2 | 2048.2 | 2048.2 |
| 17.5° | 1985.3 | 1988.3 | 1985.3 | 1985.3 | 1985.3 | 1985.3 | 1988.3 | 1985.3 |
| 20° | 1916.4 | 1916.4 | 1919.4 | 1916.4 | 1916.4 | 1916.4 | 1916.4 | 1913.4 |
| 22.5° | 1838.6 | 1835.6 | 1835.6 | 1838.6 | 1838.6 | 1835.6 | 1838.6 | 1838.6 |
| 25° | 1751.7 | 1754.7 | 1751.7 | 1751.7 | 1754.7 | 1754.7 | 1754.7 | 1751.7 |
| 27.5° | 1658.9 | 1661.9 | 1664.9 | 1661.9 | 1661.9 | 1661.9 | 1664.9 | 1667.9 |
| 30° | 1563.2 | 1569.1 | 1563.2 | 1563.2 | 1569.1 | 1566.1 | 1569.1 | 1569.1 |
| 32.5° | 1461.3 | 1470.3 | 1464.3 | 1470.3 | 1470.3 | 1473.3 | 1470.3 | 1473.3 |
| 35° | 1359.5 | 1368.5 | 1368.5 | 1368.5 | 1371.5 | 1374.5 | 1374.5 | 1371.5 |
| 37.5° | 1263.7 | 1266.6 | 1266.6 | 1272.6 | 1275.6 | 1278.6 | 1278.6 | 1275.6 |
| 40° | 1164.8 | 1170.8 | 1173.8 | 1173.8 | 1173.8 | 1179.8 | 1185.8 | 1179.8 |
| 42.5° | 1069.0 | 1072.0 | 1075.0 | 1075.0 | 1081.0 | 1084.0 | 1086.9 | 1086.9 |
| 45° | 976.1 | 982.1 | 985.1 | 988.1 | 991.1 | 997.1 | 994.1 | 1000.1 |
| 47.5° | 880.4 | 889.4 | 892.4 | 895.4 | 901.4 | 904.4 | 907.4 | 910.4 |
| 50° | 793.6 | 799.5 | 799.5 | 805.5 | 814.5 | 814.5 | 820.5 | 823.5 |
| 52.5° | 706.7 | 709.7 | 712.7 | 715.7 | 721.7 | 727.7 | 727.7 | 733.7 |
| 55° | 622.8 | 625.8 | 625.8 | 628.8 | 631.8 | 643.8 | 646.8 | 646.8 |
| 57.5° | 536.0 | 536.0 | 542.0 | 545.0 | 548.0 | 554.0 | 554.0 | 554.0 |
| 60° | 452.1 | 455.1 | 455.1 | 458.1 | 461.1 | 467.1 | 470.1 | 467.1 |
| 62.5° | 368.3 | 371.3 | 371.3 | 374.3 | 380.2 | 383.2 | 380.2 | 380.2 |
| 65° | 290.5 | 293.5 | 293.5 | 296.5 | 302.5 | 302.5 | 299.5 | 302.5 |
| 67.5° | 212.6 | 212.6 | 212.6 | 212.6 | 212.6 | 212.6 | 212.6 | 212.6 |
| 70° | 134.8 | 131.8 | 128.8 | 131.8 | 131.8 | 131.8 | 128.8 | 134.8 |
| 72.5° | 65.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 65.9 |
| 75° | 30.0 | 30.0 | 27.0 | 27.0 | 27.0 | 30.0 | 30.0 | 27.0 |
| 77.5° | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 80° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 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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— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)