

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: P584998

Luminaire Tested: **HCC8W55D010BZ-HM82555927-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584998
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W55D010BZ-HM82555927-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

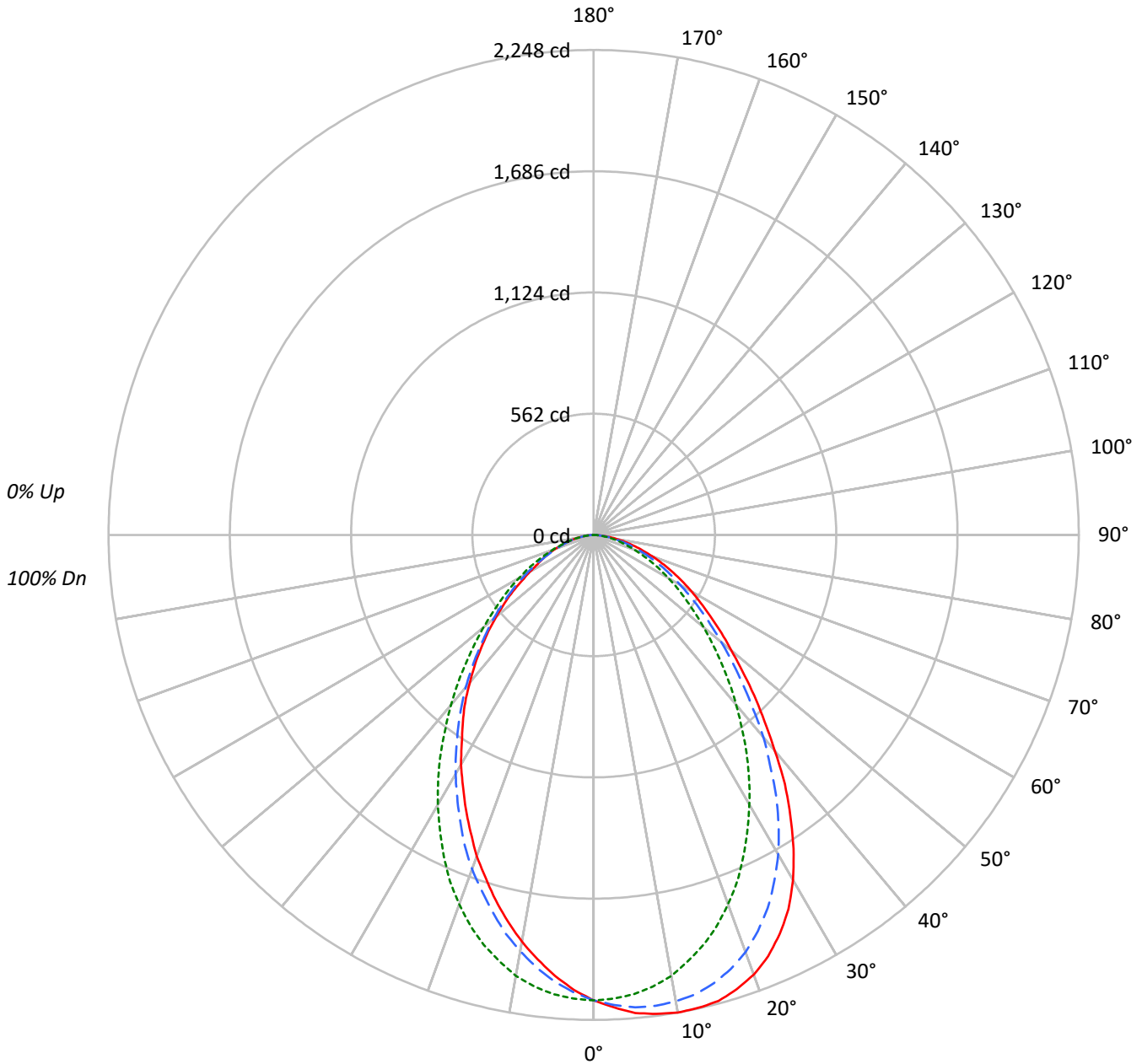
Lumens per Lamp: N/A
Luminaire Lumens: 3981.6 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
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: P584998
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Luminous Intensity Polar Plot





TEST NUMBER: P584998

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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 | 93 | 91 | 89 | 87 | | | | | | | | |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 83 | 80 | 78 | 76 | | | | | | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | | | | |
| 4 | 87 | 76 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 68 | 64 | 60 | 58 | | | | | | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 60 | 54 | 64 | 59 | 54 | 63 | 57 | 53 | 51 | | | | | | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 48 | 57 | 52 | 48 | 46 | | | | | | | | |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 41 | | | | | | | | |
| 8 | 66 | 53 | 46 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 39 | 38 | | | | | | | | |
| 9 | 62 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 45 | 38 | 34 | 44 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 66526 | 66526 | 66526 |
| 5° | 68867 | 66146 | 63521 |
| 10° | 70393 | 64988 | 59947 |
| 15° | 71395 | 62801 | 55976 |
| 20° | 71180 | 59750 | 51970 |
| 25° | 69419 | 55874 | 47709 |
| 30° | 65769 | 51388 | 43775 |
| 35° | 59835 | 46502 | 39782 |
| 40° | 52556 | 41361 | 35939 |
| 45° | 45829 | 36379 | 32040 |
| 50° | 39880 | 31878 | 28222 |
| 55° | 35569 | 28015 | 24547 |
| 60° | 32316 | 24552 | 20938 |
| 65° | 29047 | 21364 | 19007 |
| 70° | 25867 | 18203 | 17157 |
| 75° | 22673 | 15346 | 14643 |
| 80° | 19232 | 12466 | 12981 |
| 85° | 14506 | 9341 | 10367 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 202.1 | 5.1 |
| 10°-20° | 556.8 | 14.0 |
| 20°-30° | 772.9 | 19.4 |
| 30°-40° | 799.1 | 20.1 |
| 40°-50° | 669.1 | 16.8 |
| 50°-60° | 485.7 | 12.2 |
| 60°-70° | 306.5 | 7.7 |
| 70°-80° | 151.8 | 3.8 |
| 80°-90° | 37.7 | 0.9 |
| 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° | 1531.7 | 38.5 |
| 0°-40° | 2330.8 | 58.5 |
| 0°-60° | 3485.5 | 87.5 |
| 0°-90° | 3981.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3981.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2157 | 2157 | 2157 | 2157 | 2157 | |
| 5° | 2225 | 2198 | 2137 | 2078 | 2052 | 213 |
| 15° | 2236 | 2152 | 1967 | 1809 | 1753 | 629 |
| 25° | 2040 | 1909 | 1642 | 1464 | 1402 | 935 |
| 35° | 1590 | 1472 | 1235 | 1095 | 1057 | 990 |
| 45° | 1051 | 975 | 834 | 752 | 735 | 813 |
| 55° | 662 | 603 | 521 | 477 | 457 | 597 |
| 65° | 398 | 348 | 293 | 258 | 260 | 397 |
| 75° | 190 | 158 | 129 | 123 | 123 | 204 |
| 85° | 41 | 32 | 26 | 29 | 29 | 50 |
| 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° | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 |
| 2.5° | 2192.6 | 2192.6 | 2195.5 | 2192.6 | 2192.6 | 2192.6 | 2189.6 | 2189.6 | 2186.7 | 2186.7 | 2180.9 |
| 5° | 2224.8 | 2218.9 | 2224.8 | 2218.9 | 2218.9 | 2218.9 | 2216.0 | 2210.2 | 2207.2 | 2201.4 | 2198.4 |
| 7.5° | 2239.3 | 2236.4 | 2236.4 | 2233.5 | 2233.5 | 2230.6 | 2227.6 | 2224.8 | 2213.1 | 2210.2 | 2201.4 |
| 10° | 2248.1 | 2245.2 | 2245.2 | 2242.3 | 2236.4 | 2236.4 | 2230.6 | 2227.6 | 2213.1 | 2207.2 | 2195.5 |
| 12.5° | 2245.2 | 2245.2 | 2245.2 | 2242.3 | 2233.5 | 2230.6 | 2224.8 | 2216.0 | 2204.3 | 2192.6 | 2180.9 |
| 15° | 2236.4 | 2236.4 | 2230.6 | 2227.6 | 2218.9 | 2213.1 | 2210.2 | 2195.5 | 2183.8 | 2169.1 | 2151.6 |
| 17.5° | 2207.2 | 2207.2 | 2204.3 | 2198.4 | 2189.6 | 2183.8 | 2177.9 | 2163.3 | 2151.6 | 2128.1 | 2110.5 |
| 20° | 2169.1 | 2166.2 | 2163.3 | 2154.5 | 2145.7 | 2142.8 | 2134.0 | 2113.5 | 2098.8 | 2081.4 | 2057.9 |
| 22.5° | 2113.5 | 2110.5 | 2107.6 | 2101.7 | 2087.2 | 2081.4 | 2075.5 | 2060.8 | 2034.5 | 2016.9 | 1987.6 |
| 25° | 2040.3 | 2040.3 | 2034.5 | 2025.7 | 2011.0 | 2005.2 | 1996.4 | 1981.7 | 1958.4 | 1932.0 | 1908.6 |
| 27.5° | 1955.5 | 1952.6 | 1943.8 | 1937.9 | 1926.2 | 1917.4 | 1902.7 | 1885.2 | 1861.7 | 1841.3 | 1812.0 |
| 30° | 1847.1 | 1847.1 | 1841.3 | 1832.5 | 1817.9 | 1812.0 | 1800.3 | 1779.8 | 1756.4 | 1730.0 | 1709.6 |
| 32.5° | 1724.1 | 1724.1 | 1715.5 | 1709.6 | 1700.8 | 1686.2 | 1683.2 | 1659.8 | 1639.3 | 1618.8 | 1595.3 |
| 35° | 1589.5 | 1592.4 | 1586.7 | 1574.9 | 1560.3 | 1560.3 | 1554.4 | 1533.9 | 1510.5 | 1490.0 | 1472.4 |
| 37.5° | 1454.9 | 1446.1 | 1443.2 | 1437.3 | 1428.6 | 1416.8 | 1411.0 | 1402.2 | 1381.7 | 1367.0 | 1340.7 |
| 40° | 1305.6 | 1308.5 | 1302.7 | 1296.8 | 1293.9 | 1285.1 | 1282.2 | 1267.5 | 1252.9 | 1235.3 | 1223.6 |
| 42.5° | 1170.9 | 1170.9 | 1170.9 | 1165.1 | 1159.2 | 1150.4 | 1147.5 | 1138.7 | 1121.1 | 1109.4 | 1091.8 |
| 45° | 1050.9 | 1042.1 | 1042.1 | 1039.2 | 1036.3 | 1030.4 | 1021.6 | 1015.8 | 1004.1 | 995.3 | 974.8 |
| 47.5° | 933.8 | 936.8 | 933.8 | 930.9 | 922.1 | 919.2 | 916.3 | 904.5 | 892.8 | 884.0 | 869.4 |
| 50° | 831.3 | 837.2 | 831.3 | 831.3 | 825.6 | 822.6 | 816.8 | 808.0 | 799.2 | 784.5 | 769.9 |
| 52.5° | 746.4 | 746.4 | 743.5 | 740.6 | 731.8 | 725.9 | 723.0 | 720.1 | 705.4 | 693.8 | 682.1 |
| 55° | 661.6 | 664.5 | 664.5 | 655.7 | 652.8 | 646.9 | 644.0 | 635.2 | 629.4 | 611.8 | 603.0 |
| 57.5° | 588.3 | 585.4 | 588.3 | 582.5 | 576.6 | 570.9 | 568.0 | 562.1 | 553.3 | 541.6 | 529.9 |
| 60° | 524.0 | 518.1 | 518.1 | 515.2 | 509.4 | 506.4 | 500.6 | 491.8 | 483.0 | 471.3 | 462.5 |
| 62.5° | 459.5 | 456.6 | 453.7 | 450.8 | 445.0 | 442.1 | 439.1 | 430.4 | 421.6 | 412.8 | 404.0 |
| 65° | 398.1 | 398.1 | 395.2 | 389.3 | 386.4 | 383.5 | 380.5 | 374.7 | 363.0 | 357.1 | 348.3 |
| 67.5° | 342.5 | 339.5 | 339.5 | 333.7 | 327.8 | 324.9 | 324.9 | 319.0 | 310.3 | 301.6 | 295.7 |
| 70° | 286.9 | 289.8 | 286.9 | 284.0 | 278.1 | 278.1 | 272.3 | 269.3 | 257.6 | 254.7 | 245.9 |
| 72.5° | 237.1 | 237.1 | 234.2 | 234.2 | 228.3 | 225.4 | 225.4 | 219.5 | 213.7 | 207.8 | 201.9 |
| 75° | 190.3 | 190.3 | 190.3 | 187.4 | 184.5 | 178.6 | 178.6 | 175.7 | 169.8 | 164.0 | 158.1 |
| 77.5° | 149.3 | 146.4 | 146.4 | 143.5 | 140.5 | 137.6 | 137.6 | 134.7 | 128.8 | 125.9 | 120.0 |
| 80° | 108.3 | 105.4 | 105.4 | 105.4 | 99.5 | 102.4 | 99.5 | 96.6 | 93.6 | 90.7 | 87.8 |
| 82.5° | 70.2 | 73.1 | 73.1 | 70.2 | 67.3 | 67.3 | 67.3 | 64.3 | 64.3 | 61.5 | 58.6 |
| 85° | 41.0 | 41.0 | 41.0 | 41.0 | 38.1 | 38.1 | 38.1 | 35.2 | 35.2 | 35.2 | 32.2 |
| 87.5° | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 |
| 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° | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 |
| 2.5° | 2180.9 | 2175.0 | 2172.1 | 2169.1 | 2169.1 | 2166.2 | 2163.3 | 2157.4 | 2157.4 | 2151.6 | 2148.6 |
| 5° | 2192.6 | 2183.8 | 2177.9 | 2172.1 | 2169.1 | 2163.3 | 2157.4 | 2148.6 | 2145.7 | 2136.9 | 2128.1 |
| 7.5° | 2195.5 | 2180.9 | 2175.0 | 2163.3 | 2157.4 | 2151.6 | 2139.8 | 2131.0 | 2119.3 | 2110.5 | 2098.8 |
| 10° | 2183.8 | 2172.1 | 2157.4 | 2142.8 | 2139.8 | 2131.0 | 2113.5 | 2101.7 | 2087.2 | 2075.5 | 2057.9 |
| 12.5° | 2166.2 | 2148.6 | 2134.0 | 2116.4 | 2107.6 | 2098.8 | 2081.4 | 2063.8 | 2043.3 | 2022.8 | 2005.2 |
| 15° | 2136.9 | 2116.4 | 2096.0 | 2075.5 | 2063.8 | 2055.0 | 2034.5 | 2014.0 | 1993.5 | 1967.2 | 1949.6 |
| 17.5° | 2093.1 | 2069.6 | 2049.1 | 2022.8 | 2011.0 | 2002.2 | 1975.9 | 1952.6 | 1926.2 | 1899.8 | 1882.2 |
| 20° | 2037.4 | 2008.1 | 1984.7 | 1955.5 | 1946.7 | 1932.0 | 1905.7 | 1879.3 | 1850.0 | 1820.8 | 1800.3 |
| 22.5° | 1964.3 | 1935.0 | 1908.6 | 1879.3 | 1864.7 | 1850.0 | 1823.7 | 1791.5 | 1762.2 | 1738.8 | 1718.3 |
| 25° | 1879.3 | 1852.9 | 1820.8 | 1794.4 | 1776.9 | 1759.3 | 1730.0 | 1703.7 | 1677.4 | 1642.2 | 1621.7 |
| 27.5° | 1785.7 | 1753.4 | 1730.0 | 1694.9 | 1677.4 | 1665.6 | 1633.4 | 1598.3 | 1574.9 | 1542.7 | 1519.3 |
| 30° | 1680.3 | 1651.0 | 1624.6 | 1589.5 | 1572.0 | 1560.3 | 1531.0 | 1498.8 | 1475.3 | 1443.2 | 1419.8 |
| 32.5° | 1569.1 | 1536.8 | 1504.6 | 1481.2 | 1460.8 | 1449.1 | 1416.8 | 1396.3 | 1367.0 | 1340.7 | 1314.4 |
| 35° | 1449.1 | 1416.8 | 1393.4 | 1361.2 | 1349.4 | 1337.7 | 1311.5 | 1285.1 | 1258.7 | 1235.3 | 1214.8 |
| 37.5° | 1320.3 | 1296.8 | 1270.4 | 1247.0 | 1238.2 | 1226.5 | 1194.4 | 1170.9 | 1150.4 | 1127.0 | 1109.4 |
| 40° | 1194.4 | 1173.9 | 1156.3 | 1132.9 | 1118.2 | 1109.4 | 1086.0 | 1065.6 | 1042.1 | 1027.5 | 1009.9 |
| 42.5° | 1080.2 | 1056.8 | 1039.2 | 1021.6 | 1007.0 | 998.2 | 977.7 | 963.0 | 945.6 | 930.9 | 910.4 |
| 45° | 960.1 | 948.5 | 928.0 | 913.3 | 904.5 | 892.8 | 878.2 | 860.6 | 845.9 | 834.2 | 819.7 |
| 47.5° | 854.7 | 843.0 | 828.4 | 810.9 | 805.0 | 796.3 | 781.6 | 769.9 | 758.2 | 746.4 | 731.8 |
| 50° | 758.2 | 743.5 | 731.8 | 720.1 | 714.2 | 705.4 | 690.9 | 685.0 | 676.2 | 664.5 | 655.7 |
| 52.5° | 670.4 | 658.7 | 646.9 | 632.3 | 629.4 | 623.5 | 614.7 | 603.0 | 594.2 | 588.3 | 582.5 |
| 55° | 591.3 | 579.6 | 570.9 | 559.2 | 556.2 | 550.4 | 538.7 | 532.8 | 526.9 | 521.1 | 515.2 |
| 57.5° | 521.1 | 509.4 | 497.6 | 491.8 | 485.9 | 480.1 | 477.1 | 468.3 | 462.5 | 459.5 | 453.7 |
| 60° | 456.6 | 445.0 | 436.2 | 427.4 | 424.5 | 421.6 | 415.7 | 409.8 | 404.0 | 398.1 | 395.2 |
| 62.5° | 395.2 | 383.5 | 377.6 | 371.8 | 365.9 | 365.9 | 360.0 | 354.2 | 348.3 | 345.4 | 339.5 |
| 65° | 339.5 | 333.7 | 324.9 | 316.2 | 313.3 | 313.3 | 304.5 | 301.6 | 298.6 | 292.8 | 286.9 |
| 67.5° | 286.9 | 281.0 | 272.3 | 269.3 | 266.4 | 263.5 | 260.5 | 254.7 | 248.8 | 245.9 | 240.0 |
| 70° | 240.0 | 234.2 | 228.3 | 225.4 | 222.4 | 219.5 | 213.7 | 210.7 | 204.9 | 201.9 | 199.0 |
| 72.5° | 193.1 | 190.3 | 184.5 | 181.5 | 178.6 | 175.7 | 172.8 | 169.8 | 164.0 | 161.0 | 158.1 |
| 75° | 155.2 | 152.2 | 146.4 | 143.5 | 140.5 | 140.5 | 137.6 | 131.7 | 128.8 | 128.8 | 125.9 |
| 77.5° | 117.1 | 114.2 | 111.2 | 108.3 | 105.4 | 105.4 | 102.4 | 99.5 | 96.6 | 96.6 | 93.6 |
| 80° | 84.9 | 81.9 | 79.0 | 79.0 | 79.0 | 76.1 | 73.1 | 73.1 | 70.2 | 70.2 | 67.3 |
| 82.5° | 55.7 | 55.7 | 52.7 | 52.7 | 52.7 | 49.8 | 49.8 | 46.9 | 46.9 | 46.9 | 46.9 |
| 85° | 32.2 | 32.2 | 32.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 26.4 | 29.3 |
| 87.5° | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 11.7 | 11.7 | 11.7 |
| 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° | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 |
| 2.5° | 2145.7 | 2142.8 | 2136.9 | 2136.9 | 2131.0 | 2131.0 | 2128.1 | 2125.2 | 2122.3 | 2119.3 | 2116.4 |
| 5° | 2125.2 | 2113.5 | 2107.6 | 2104.7 | 2098.8 | 2096.0 | 2087.2 | 2081.4 | 2078.4 | 2072.6 | 2066.7 |
| 7.5° | 2087.2 | 2075.5 | 2063.8 | 2060.8 | 2057.9 | 2046.2 | 2037.4 | 2028.6 | 2022.8 | 2016.9 | 2011.0 |
| 10° | 2043.3 | 2031.5 | 2016.9 | 2011.0 | 2005.2 | 1990.5 | 1978.8 | 1970.1 | 1958.4 | 1946.7 | 1943.8 |
| 12.5° | 1990.5 | 1972.9 | 1955.5 | 1949.6 | 1940.8 | 1926.2 | 1914.5 | 1899.8 | 1891.0 | 1876.4 | 1873.4 |
| 15° | 1929.1 | 1908.6 | 1894.0 | 1879.3 | 1873.4 | 1858.8 | 1838.4 | 1826.7 | 1809.1 | 1803.2 | 1788.6 |
| 17.5° | 1855.9 | 1835.5 | 1815.0 | 1809.1 | 1800.3 | 1779.8 | 1759.3 | 1744.6 | 1727.1 | 1718.3 | 1709.6 |
| 20° | 1779.8 | 1753.4 | 1732.9 | 1727.1 | 1715.5 | 1697.9 | 1677.4 | 1662.7 | 1648.1 | 1630.5 | 1621.7 |
| 22.5° | 1692.0 | 1662.7 | 1645.1 | 1630.5 | 1627.6 | 1607.0 | 1583.7 | 1572.0 | 1560.3 | 1545.6 | 1533.9 |
| 25° | 1595.3 | 1569.1 | 1548.6 | 1536.8 | 1531.0 | 1513.4 | 1495.8 | 1481.2 | 1463.6 | 1454.9 | 1440.3 |
| 27.5° | 1495.8 | 1478.2 | 1452.0 | 1440.3 | 1431.5 | 1416.8 | 1396.3 | 1387.5 | 1370.0 | 1358.2 | 1349.4 |
| 30° | 1399.3 | 1372.9 | 1358.2 | 1343.6 | 1334.9 | 1320.3 | 1302.7 | 1293.9 | 1279.2 | 1267.5 | 1258.7 |
| 32.5° | 1293.9 | 1276.3 | 1255.8 | 1249.9 | 1238.2 | 1223.6 | 1211.8 | 1197.3 | 1185.6 | 1173.9 | 1170.9 |
| 35° | 1197.3 | 1173.9 | 1153.4 | 1147.5 | 1138.7 | 1124.1 | 1118.2 | 1109.4 | 1094.8 | 1091.8 | 1080.2 |
| 37.5° | 1091.8 | 1080.2 | 1056.8 | 1048.0 | 1045.1 | 1033.4 | 1021.6 | 1015.8 | 1007.0 | 998.2 | 995.3 |
| 40° | 992.3 | 977.7 | 966.0 | 957.2 | 951.4 | 942.6 | 930.9 | 928.0 | 922.1 | 910.4 | 907.5 |
| 42.5° | 898.7 | 884.0 | 872.3 | 869.4 | 860.6 | 851.8 | 845.9 | 837.2 | 834.2 | 831.3 | 825.6 |
| 45° | 808.0 | 799.2 | 787.5 | 784.5 | 781.6 | 769.9 | 764.0 | 758.2 | 752.3 | 749.4 | 743.5 |
| 47.5° | 725.9 | 717.1 | 708.4 | 705.4 | 699.6 | 696.8 | 688.0 | 685.0 | 676.2 | 673.3 | 670.4 |
| 50° | 646.9 | 641.1 | 635.2 | 632.3 | 626.4 | 623.5 | 617.6 | 611.8 | 605.9 | 603.0 | 600.1 |
| 52.5° | 576.6 | 570.9 | 565.0 | 562.1 | 559.2 | 553.3 | 547.4 | 541.6 | 538.7 | 535.7 | 532.8 |
| 55° | 509.4 | 503.5 | 500.6 | 497.6 | 494.7 | 491.8 | 483.0 | 480.1 | 477.1 | 474.2 | 468.3 |
| 57.5° | 447.8 | 442.1 | 436.2 | 436.2 | 433.3 | 430.4 | 424.5 | 418.6 | 418.6 | 412.8 | 406.9 |
| 60° | 392.3 | 386.4 | 380.5 | 377.6 | 374.7 | 368.8 | 365.9 | 363.0 | 360.0 | 357.1 | 351.2 |
| 62.5° | 333.7 | 330.7 | 324.9 | 324.9 | 319.0 | 316.2 | 313.3 | 310.3 | 307.4 | 301.6 | 298.6 |
| 65° | 284.0 | 281.0 | 275.2 | 272.3 | 272.3 | 269.3 | 263.5 | 260.5 | 257.6 | 257.6 | 254.7 |
| 67.5° | 237.1 | 234.2 | 228.3 | 225.4 | 225.4 | 222.4 | 219.5 | 219.5 | 216.6 | 213.7 | 216.6 |
| 70° | 196.1 | 190.3 | 190.3 | 187.4 | 187.4 | 184.5 | 181.5 | 181.5 | 181.5 | 184.5 | 184.5 |
| 72.5° | 155.2 | 152.2 | 149.3 | 149.3 | 149.3 | 149.3 | 146.4 | 146.4 | 149.3 | 152.2 | 152.2 |
| 75° | 122.9 | 120.0 | 120.0 | 120.0 | 117.1 | 117.1 | 120.0 | 120.0 | 122.9 | 122.9 | 122.9 |
| 77.5° | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 93.6 | 93.6 | 96.6 | 96.6 | 96.6 |
| 80° | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 73.1 |
| 82.5° | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 49.8 | 49.8 | 49.8 | 49.8 |
| 85° | 26.4 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 87.5° | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 |
| 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: P584998

CATALOG NUMBER: HCC8W55D010BZ-HM82555927-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 | 2157.4 |
| 2.5° | 2113.5 | 2113.5 | 2113.5 | 2116.4 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 5° | 2063.8 | 2060.8 | 2057.9 | 2060.8 | 2055.0 | 2055.0 | 2052.1 | 2052.1 |
| 7.5° | 2002.2 | 1999.3 | 1996.4 | 1996.4 | 1990.5 | 1990.5 | 1987.6 | 1984.7 |
| 10° | 1935.0 | 1929.1 | 1932.0 | 1926.2 | 1923.3 | 1920.3 | 1917.4 | 1914.5 |
| 12.5° | 1861.7 | 1855.9 | 1852.9 | 1847.1 | 1841.3 | 1838.4 | 1841.3 | 1835.5 |
| 15° | 1782.7 | 1773.9 | 1771.0 | 1765.1 | 1759.3 | 1756.4 | 1756.4 | 1753.4 |
| 17.5° | 1694.9 | 1689.1 | 1686.2 | 1680.3 | 1677.4 | 1671.5 | 1668.6 | 1665.6 |
| 20° | 1612.9 | 1598.3 | 1601.2 | 1595.3 | 1592.4 | 1580.8 | 1580.8 | 1583.7 |
| 22.5° | 1522.2 | 1513.4 | 1507.5 | 1501.7 | 1498.8 | 1492.9 | 1492.9 | 1490.0 |
| 25° | 1431.5 | 1422.7 | 1419.8 | 1413.9 | 1411.0 | 1405.1 | 1402.2 | 1402.2 |
| 27.5° | 1343.6 | 1332.0 | 1332.0 | 1326.1 | 1320.3 | 1317.3 | 1314.4 | 1311.5 |
| 30° | 1249.9 | 1241.1 | 1238.2 | 1238.2 | 1235.3 | 1235.3 | 1226.5 | 1229.4 |
| 32.5° | 1162.2 | 1156.3 | 1153.4 | 1147.5 | 1147.5 | 1144.6 | 1144.6 | 1135.8 |
| 35° | 1074.4 | 1065.6 | 1068.5 | 1062.7 | 1059.7 | 1056.8 | 1059.7 | 1056.8 |
| 37.5° | 989.4 | 983.5 | 983.5 | 977.7 | 977.7 | 974.8 | 971.8 | 977.7 |
| 40° | 904.5 | 901.6 | 898.7 | 895.8 | 898.7 | 895.8 | 889.9 | 892.8 |
| 42.5° | 819.7 | 819.7 | 816.8 | 816.8 | 813.8 | 813.8 | 813.8 | 813.8 |
| 45° | 743.5 | 740.6 | 740.6 | 737.7 | 737.7 | 737.7 | 737.7 | 734.7 |
| 47.5° | 667.5 | 664.5 | 664.5 | 664.5 | 661.6 | 661.6 | 658.7 | 661.6 |
| 50° | 594.2 | 594.2 | 591.3 | 591.3 | 594.2 | 591.3 | 588.3 | 588.3 |
| 52.5° | 526.9 | 526.9 | 524.0 | 524.0 | 521.1 | 518.1 | 521.1 | 521.1 |
| 55° | 465.4 | 462.5 | 459.5 | 459.5 | 456.6 | 453.7 | 453.7 | 456.6 |
| 57.5° | 406.9 | 404.0 | 401.1 | 401.1 | 395.2 | 392.3 | 392.3 | 392.3 |
| 60° | 351.2 | 345.4 | 345.4 | 342.5 | 342.5 | 339.5 | 339.5 | 339.5 |
| 62.5° | 298.6 | 295.7 | 295.7 | 295.7 | 295.7 | 292.8 | 292.8 | 292.8 |
| 65° | 254.7 | 254.7 | 254.7 | 257.6 | 257.6 | 260.5 | 260.5 | 260.5 |
| 67.5° | 219.5 | 222.4 | 222.4 | 222.4 | 225.4 | 225.4 | 225.4 | 222.4 |
| 70° | 187.4 | 187.4 | 187.4 | 190.3 | 190.3 | 190.3 | 190.3 | 190.3 |
| 72.5° | 155.2 | 155.2 | 155.2 | 155.2 | 155.2 | 155.2 | 155.2 | 155.2 |
| 75° | 122.9 | 125.9 | 125.9 | 125.9 | 122.9 | 125.9 | 125.9 | 122.9 |
| 77.5° | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 80° | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 82.5° | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 85° | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 87.5° | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 |
| 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



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Scaled Data Report



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

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(END OF REPORT)