

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: P585133

Luminaire Tested: **HCC8W60D010MB-HM86080927-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585133
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: HCC8W60D010MB-HM86080927-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

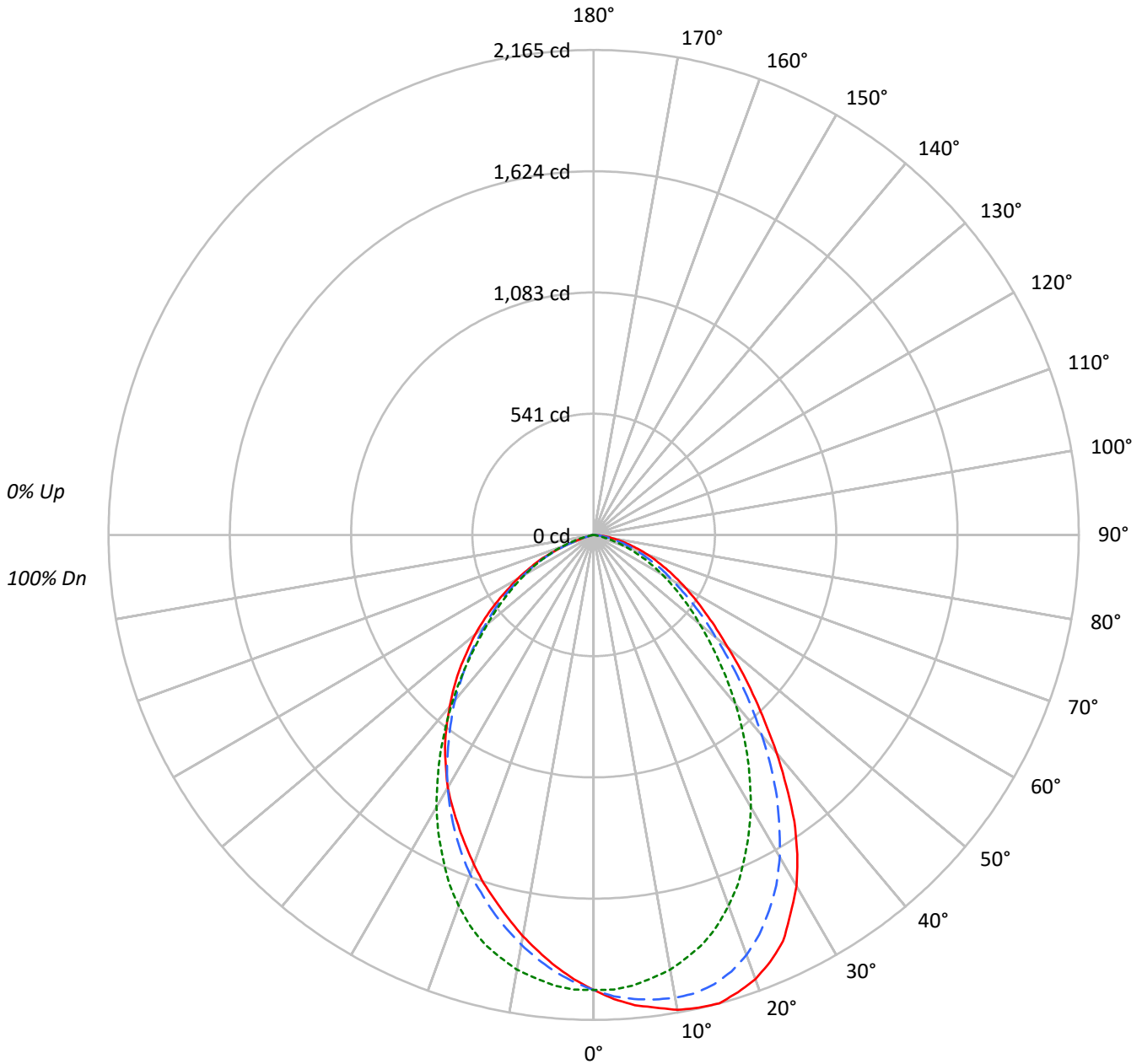
Lumens per Lamp: N/A
Luminaire Lumens: 3783.7 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
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: P585133
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Luminous Intensity Polar Plot





TEST NUMBER: P585133

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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° | 62641 | 62641 | 62641 |
| 5° | 65230 | 62499 | 59868 |
| 10° | 67409 | 61703 | 56950 |
| 15° | 69112 | 60292 | 53990 |
| 20° | 69250 | 57791 | 51317 |
| 25° | 68079 | 54136 | 48658 |
| 30° | 64437 | 49949 | 46381 |
| 35° | 58751 | 44921 | 43551 |
| 40° | 51090 | 39598 | 40214 |
| 45° | 43832 | 34294 | 36810 |
| 50° | 37438 | 29570 | 33068 |
| 55° | 32811 | 25467 | 28730 |
| 60° | 29214 | 21721 | 24157 |
| 65° | 25917 | 17723 | 19270 |
| 70° | 22991 | 13145 | 10954 |
| 75° | 19170 | 6875 | 3253 |
| 80° | 15094 | 2149 | 533 |
| 85° | 10720 | 1061 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 191.4 | 5.1 |
| 10°-20° | 536.5 | 14.2 |
| 20°-30° | 759.3 | 20.1 |
| 30°-40° | 794.4 | 21.0 |
| 40°-50° | 662.6 | 17.5 |
| 50°-60° | 469.9 | 12.4 |
| 60°-70° | 270.6 | 7.2 |
| 70°-80° | 87.1 | 2.3 |
| 80°-90° | 12.0 | 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° | 1487.2 | 39.3 |
| 0°-40° | 2281.6 | 60.3 |
| 0°-60° | 3414.1 | 90.2 |
| 0°-90° | 3783.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3783.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2031 | 2031 | 2031 | 2031 | 2031 | |
| 5° | 2107 | 2080 | 2019 | 1958 | 1934 | 202 |
| 15° | 2165 | 2077 | 1889 | 1740 | 1691 | 609 |
| 25° | 2001 | 1852 | 1591 | 1464 | 1430 | 913 |
| 35° | 1561 | 1424 | 1193 | 1130 | 1157 | 968 |
| 45° | 1005 | 923 | 786 | 796 | 844 | 779 |
| 55° | 610 | 547 | 474 | 498 | 534 | 551 |
| 65° | 355 | 298 | 243 | 243 | 264 | 355 |
| 75° | 161 | 118 | 58 | 27 | 27 | 174 |
| 85° | 30 | 15 | 3 | 0 | 0 | 38 |
| 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° | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 |
| 2.5° | 2073.8 | 2070.8 | 2067.8 | 2070.8 | 2067.8 | 2070.8 | 2067.8 | 2067.8 | 2064.7 | 2061.7 | 2061.7 |
| 5° | 2107.3 | 2104.3 | 2104.3 | 2104.3 | 2101.1 | 2098.1 | 2098.1 | 2095.2 | 2089.0 | 2086.0 | 2079.9 |
| 7.5° | 2128.5 | 2131.5 | 2131.5 | 2131.5 | 2125.5 | 2125.5 | 2119.4 | 2113.4 | 2107.3 | 2101.1 | 2092.0 |
| 10° | 2152.8 | 2152.8 | 2149.7 | 2146.7 | 2140.6 | 2137.6 | 2134.6 | 2128.5 | 2119.4 | 2107.3 | 2098.1 |
| 12.5° | 2161.9 | 2161.9 | 2158.8 | 2152.8 | 2149.7 | 2146.7 | 2143.7 | 2134.6 | 2122.5 | 2107.3 | 2095.2 |
| 15° | 2164.9 | 2158.8 | 2155.8 | 2152.8 | 2146.7 | 2137.6 | 2137.6 | 2125.5 | 2110.3 | 2092.0 | 2076.9 |
| 17.5° | 2140.6 | 2143.7 | 2137.6 | 2131.5 | 2122.5 | 2116.4 | 2107.3 | 2098.1 | 2079.9 | 2058.7 | 2043.5 |
| 20° | 2110.3 | 2107.3 | 2104.3 | 2095.2 | 2082.9 | 2079.9 | 2070.8 | 2055.6 | 2040.5 | 2016.1 | 1994.9 |
| 22.5° | 2061.7 | 2058.7 | 2052.6 | 2046.5 | 2034.4 | 2028.3 | 2019.1 | 2000.9 | 1979.7 | 1955.5 | 1931.1 |
| 25° | 2000.9 | 1994.9 | 1985.8 | 1973.7 | 1964.6 | 1958.5 | 1946.4 | 1928.1 | 1903.8 | 1876.5 | 1852.2 |
| 27.5° | 1903.8 | 1912.9 | 1906.8 | 1888.6 | 1879.5 | 1867.4 | 1864.4 | 1840.0 | 1818.8 | 1791.5 | 1764.1 |
| 30° | 1809.7 | 1809.7 | 1800.6 | 1791.5 | 1776.2 | 1767.1 | 1755.0 | 1736.8 | 1715.6 | 1682.1 | 1660.9 |
| 32.5° | 1691.2 | 1688.2 | 1676.1 | 1673.0 | 1660.9 | 1642.7 | 1639.7 | 1615.3 | 1594.1 | 1569.8 | 1542.4 |
| 35° | 1560.7 | 1554.7 | 1542.4 | 1533.3 | 1527.3 | 1518.2 | 1509.1 | 1487.8 | 1466.5 | 1442.3 | 1424.1 |
| 37.5° | 1411.9 | 1411.9 | 1408.9 | 1393.7 | 1387.7 | 1381.5 | 1372.4 | 1351.2 | 1339.1 | 1314.8 | 1296.5 |
| 40° | 1269.2 | 1266.2 | 1257.1 | 1254.0 | 1248.0 | 1238.9 | 1232.8 | 1220.6 | 1202.4 | 1184.2 | 1166.0 |
| 42.5° | 1129.5 | 1132.5 | 1120.4 | 1123.4 | 1111.3 | 1105.2 | 1102.2 | 1084.0 | 1074.9 | 1056.6 | 1041.5 |
| 45° | 1005.1 | 1002.0 | 996.0 | 992.8 | 986.8 | 980.7 | 974.6 | 965.6 | 950.4 | 932.2 | 923.1 |
| 47.5° | 889.6 | 880.5 | 880.5 | 877.5 | 874.5 | 862.3 | 859.3 | 850.2 | 841.1 | 822.8 | 810.7 |
| 50° | 780.4 | 780.4 | 780.4 | 777.3 | 768.2 | 765.2 | 759.1 | 749.9 | 740.8 | 728.7 | 710.5 |
| 52.5° | 692.3 | 692.3 | 692.3 | 689.3 | 677.2 | 674.0 | 671.0 | 658.9 | 646.7 | 637.6 | 625.5 |
| 55° | 610.3 | 613.4 | 610.3 | 604.3 | 595.2 | 595.2 | 586.0 | 579.9 | 567.8 | 558.7 | 546.6 |
| 57.5° | 540.5 | 540.5 | 534.4 | 531.4 | 525.3 | 522.3 | 516.1 | 510.1 | 494.9 | 485.8 | 470.6 |
| 60° | 473.7 | 470.6 | 470.6 | 464.6 | 458.5 | 452.4 | 449.4 | 440.3 | 434.3 | 419.0 | 406.9 |
| 62.5° | 412.9 | 412.9 | 406.9 | 406.9 | 394.7 | 394.7 | 391.7 | 382.6 | 373.5 | 358.2 | 352.2 |
| 65° | 355.2 | 355.2 | 352.2 | 349.1 | 340.0 | 337.0 | 334.0 | 324.9 | 315.8 | 306.7 | 297.6 |
| 67.5° | 303.7 | 303.7 | 297.6 | 294.6 | 288.5 | 285.5 | 279.4 | 273.2 | 264.1 | 255.0 | 245.9 |
| 70° | 255.0 | 252.0 | 249.0 | 245.9 | 239.9 | 236.8 | 230.8 | 224.7 | 215.6 | 209.5 | 200.3 |
| 72.5° | 206.5 | 206.5 | 203.5 | 197.3 | 194.3 | 191.3 | 188.2 | 182.2 | 173.1 | 164.0 | 157.9 |
| 75° | 160.9 | 160.9 | 160.9 | 154.9 | 148.8 | 145.8 | 145.8 | 139.7 | 133.6 | 124.5 | 118.5 |
| 77.5° | 124.5 | 121.5 | 118.5 | 118.5 | 112.3 | 109.3 | 106.2 | 103.2 | 94.1 | 91.1 | 85.0 |
| 80° | 85.0 | 88.0 | 85.0 | 82.0 | 78.9 | 75.9 | 75.9 | 69.8 | 66.8 | 60.8 | 54.7 |
| 82.5° | 57.7 | 54.7 | 54.7 | 51.7 | 51.7 | 48.6 | 48.6 | 42.6 | 39.4 | 36.4 | 33.4 |
| 85° | 30.3 | 30.3 | 27.3 | 27.3 | 27.3 | 24.3 | 24.3 | 21.2 | 21.2 | 18.2 | 15.2 |
| 87.5° | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 6.1 | 6.1 | 6.1 |
| 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° | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 |
| 2.5° | 2058.7 | 2052.6 | 2049.6 | 2049.6 | 2046.5 | 2043.5 | 2040.5 | 2037.4 | 2031.4 | 2031.4 | 2025.3 |
| 5° | 2073.8 | 2067.8 | 2064.7 | 2055.6 | 2049.6 | 2049.6 | 2037.4 | 2034.4 | 2025.3 | 2019.1 | 2013.1 |
| 7.5° | 2086.0 | 2073.8 | 2064.7 | 2055.6 | 2049.6 | 2043.5 | 2031.4 | 2019.1 | 2007.0 | 1994.9 | 1988.8 |
| 10° | 2086.0 | 2073.8 | 2058.7 | 2043.5 | 2037.4 | 2031.4 | 2016.1 | 1997.9 | 1982.8 | 1970.6 | 1955.5 |
| 12.5° | 2079.9 | 2061.7 | 2043.5 | 2031.4 | 2019.1 | 2010.0 | 1991.9 | 1973.7 | 1955.5 | 1931.1 | 1919.0 |
| 15° | 2061.7 | 2037.4 | 2019.1 | 1997.9 | 1988.8 | 1973.7 | 1958.5 | 1931.1 | 1909.9 | 1888.6 | 1873.5 |
| 17.5° | 2025.3 | 1994.9 | 1973.7 | 1952.4 | 1937.3 | 1928.1 | 1903.8 | 1879.5 | 1855.2 | 1830.9 | 1812.7 |
| 20° | 1970.6 | 1943.2 | 1919.0 | 1891.7 | 1879.5 | 1867.4 | 1837.0 | 1812.7 | 1788.5 | 1761.1 | 1742.9 |
| 22.5° | 1903.8 | 1876.5 | 1843.1 | 1821.8 | 1803.6 | 1788.5 | 1761.1 | 1733.8 | 1709.5 | 1685.2 | 1660.9 |
| 25° | 1821.8 | 1794.5 | 1764.1 | 1730.8 | 1718.6 | 1703.5 | 1673.0 | 1645.7 | 1618.3 | 1591.1 | 1569.8 |
| 27.5° | 1733.8 | 1697.3 | 1673.0 | 1636.6 | 1624.4 | 1609.3 | 1575.9 | 1545.6 | 1521.2 | 1500.0 | 1475.7 |
| 30° | 1627.4 | 1600.2 | 1566.8 | 1533.3 | 1521.2 | 1506.0 | 1478.8 | 1451.4 | 1427.1 | 1402.8 | 1378.5 |
| 32.5° | 1512.1 | 1484.8 | 1451.4 | 1427.1 | 1408.9 | 1396.8 | 1369.4 | 1345.1 | 1320.9 | 1296.5 | 1275.3 |
| 35° | 1390.7 | 1360.3 | 1336.0 | 1311.8 | 1296.5 | 1281.3 | 1254.0 | 1232.8 | 1214.5 | 1193.3 | 1172.1 |
| 37.5° | 1266.2 | 1244.9 | 1220.6 | 1193.3 | 1178.1 | 1166.0 | 1144.7 | 1120.4 | 1105.2 | 1087.1 | 1071.9 |
| 40° | 1144.7 | 1120.4 | 1099.2 | 1074.9 | 1062.7 | 1053.6 | 1032.4 | 1014.2 | 999.0 | 983.7 | 974.6 |
| 42.5° | 1020.2 | 999.0 | 977.7 | 962.5 | 953.4 | 944.3 | 929.2 | 907.8 | 898.7 | 883.6 | 874.5 |
| 45° | 904.8 | 886.6 | 871.4 | 850.2 | 844.1 | 838.1 | 819.8 | 804.6 | 795.5 | 786.4 | 780.4 |
| 47.5° | 795.5 | 783.4 | 765.2 | 753.1 | 743.9 | 737.8 | 725.7 | 713.5 | 704.5 | 698.4 | 692.3 |
| 50° | 701.4 | 686.3 | 674.0 | 661.9 | 655.8 | 646.7 | 634.6 | 628.5 | 622.5 | 616.4 | 616.4 |
| 52.5° | 613.4 | 598.2 | 586.0 | 576.9 | 570.8 | 564.8 | 555.7 | 552.6 | 546.6 | 546.6 | 543.5 |
| 55° | 531.4 | 522.3 | 510.1 | 497.9 | 494.9 | 491.9 | 485.8 | 479.7 | 476.7 | 473.7 | 476.7 |
| 57.5° | 461.5 | 452.4 | 440.3 | 431.1 | 428.1 | 425.1 | 422.0 | 416.0 | 412.9 | 412.9 | 412.9 |
| 60° | 397.8 | 388.7 | 379.6 | 370.5 | 370.5 | 364.4 | 361.4 | 358.2 | 355.2 | 352.2 | 352.2 |
| 62.5° | 340.0 | 330.9 | 321.9 | 315.8 | 312.8 | 309.7 | 303.7 | 300.6 | 297.6 | 297.6 | 294.6 |
| 65° | 288.5 | 276.4 | 273.2 | 264.1 | 261.1 | 258.1 | 255.0 | 249.0 | 245.9 | 242.9 | 239.9 |
| 67.5° | 236.8 | 230.8 | 221.7 | 215.6 | 212.6 | 209.5 | 206.5 | 200.3 | 197.3 | 194.3 | 188.2 |
| 70° | 191.3 | 185.2 | 179.1 | 173.1 | 170.0 | 167.0 | 160.9 | 154.9 | 151.8 | 145.8 | 136.7 |
| 72.5° | 148.8 | 142.7 | 136.7 | 130.6 | 127.6 | 124.5 | 118.5 | 112.3 | 106.2 | 100.2 | 94.1 |
| 75° | 112.3 | 106.2 | 97.1 | 91.1 | 88.0 | 88.0 | 78.9 | 72.9 | 66.8 | 57.7 | 51.7 |
| 77.5° | 78.9 | 69.8 | 66.8 | 60.8 | 57.7 | 51.7 | 45.6 | 39.4 | 33.4 | 30.3 | 24.3 |
| 80° | 51.7 | 45.6 | 39.4 | 36.4 | 33.4 | 30.3 | 27.3 | 21.2 | 15.2 | 12.1 | 9.1 |
| 82.5° | 30.3 | 27.3 | 24.3 | 21.2 | 18.2 | 15.2 | 12.1 | 12.1 | 9.1 | 6.1 | 3.0 |
| 85° | 15.2 | 12.1 | 9.1 | 9.1 | 6.1 | 6.1 | 6.1 | 3.0 | 3.0 | 3.0 | 3.0 |
| 87.5° | 6.1 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 |
| 2.5° | 2022.3 | 2019.1 | 2016.1 | 2013.1 | 2013.1 | 2007.0 | 2007.0 | 2004.0 | 1997.9 | 1994.9 | 1994.9 |
| 5° | 2004.0 | 1994.9 | 1988.8 | 1985.8 | 1982.8 | 1973.7 | 1970.6 | 1964.6 | 1958.5 | 1952.4 | 1949.4 |
| 7.5° | 1976.7 | 1961.5 | 1955.5 | 1952.4 | 1943.2 | 1934.1 | 1928.1 | 1919.0 | 1909.9 | 1900.8 | 1897.7 |
| 10° | 1943.2 | 1928.1 | 1912.9 | 1906.8 | 1897.7 | 1891.7 | 1879.5 | 1867.4 | 1858.2 | 1849.1 | 1840.0 |
| 12.5° | 1900.8 | 1882.6 | 1867.4 | 1861.4 | 1852.2 | 1840.0 | 1821.8 | 1815.8 | 1800.6 | 1794.5 | 1782.3 |
| 15° | 1852.2 | 1830.9 | 1815.8 | 1806.7 | 1797.6 | 1779.4 | 1767.1 | 1755.0 | 1739.9 | 1733.8 | 1721.7 |
| 17.5° | 1791.5 | 1767.1 | 1752.0 | 1742.9 | 1736.8 | 1721.7 | 1703.5 | 1688.2 | 1673.0 | 1667.0 | 1657.9 |
| 20° | 1718.6 | 1703.5 | 1682.1 | 1673.0 | 1667.0 | 1648.8 | 1630.6 | 1624.4 | 1612.3 | 1600.2 | 1591.1 |
| 22.5° | 1636.6 | 1621.4 | 1600.2 | 1591.1 | 1588.0 | 1572.9 | 1557.7 | 1548.6 | 1539.4 | 1530.3 | 1521.2 |
| 25° | 1551.6 | 1533.3 | 1515.1 | 1509.1 | 1503.0 | 1490.9 | 1478.8 | 1472.7 | 1463.5 | 1457.4 | 1451.4 |
| 27.5° | 1460.6 | 1442.3 | 1427.1 | 1418.0 | 1411.9 | 1402.8 | 1396.8 | 1390.7 | 1384.5 | 1378.5 | 1375.4 |
| 30° | 1363.3 | 1345.1 | 1333.0 | 1326.9 | 1320.9 | 1317.8 | 1308.6 | 1305.6 | 1302.6 | 1296.5 | 1299.5 |
| 32.5° | 1266.2 | 1251.0 | 1238.9 | 1229.8 | 1229.8 | 1223.6 | 1220.6 | 1220.6 | 1217.6 | 1217.6 | 1217.6 |
| 35° | 1159.9 | 1150.7 | 1141.6 | 1138.6 | 1135.6 | 1132.5 | 1129.5 | 1132.5 | 1129.5 | 1132.5 | 1135.6 |
| 37.5° | 1062.7 | 1053.6 | 1047.5 | 1044.5 | 1041.5 | 1044.5 | 1041.5 | 1041.5 | 1044.5 | 1050.6 | 1053.6 |
| 40° | 962.5 | 956.5 | 950.4 | 953.4 | 950.4 | 950.4 | 950.4 | 959.5 | 962.5 | 965.6 | 968.6 |
| 42.5° | 868.4 | 862.3 | 859.3 | 859.3 | 862.3 | 859.3 | 865.4 | 868.4 | 874.5 | 883.6 | 889.6 |
| 45° | 777.3 | 774.3 | 774.3 | 777.3 | 774.3 | 780.4 | 780.4 | 786.4 | 795.5 | 801.6 | 807.7 |
| 47.5° | 692.3 | 692.3 | 692.3 | 695.4 | 695.4 | 698.4 | 704.5 | 707.5 | 713.5 | 719.6 | 725.7 |
| 50° | 613.4 | 616.4 | 619.4 | 619.4 | 619.4 | 625.5 | 631.6 | 634.6 | 637.6 | 640.7 | 649.8 |
| 52.5° | 543.5 | 546.6 | 546.6 | 549.6 | 552.6 | 555.7 | 558.7 | 564.8 | 567.8 | 573.9 | 576.9 |
| 55° | 476.7 | 476.7 | 482.8 | 485.8 | 485.8 | 485.8 | 491.9 | 491.9 | 497.9 | 501.0 | 507.0 |
| 57.5° | 412.9 | 416.0 | 416.0 | 419.0 | 419.0 | 422.0 | 425.1 | 428.1 | 431.1 | 434.3 | 437.3 |
| 60° | 352.2 | 352.2 | 352.2 | 355.2 | 358.2 | 361.4 | 358.2 | 364.4 | 364.4 | 370.5 | 373.5 |
| 62.5° | 294.6 | 297.6 | 297.6 | 297.6 | 297.6 | 297.6 | 297.6 | 300.6 | 303.7 | 306.7 | 309.7 |
| 65° | 239.9 | 239.9 | 239.9 | 236.8 | 239.9 | 236.8 | 239.9 | 242.9 | 242.9 | 245.9 | 249.0 |
| 67.5° | 185.2 | 185.2 | 179.1 | 179.1 | 182.2 | 182.2 | 182.2 | 182.2 | 179.1 | 185.2 | 185.2 |
| 70° | 133.6 | 130.6 | 127.6 | 124.5 | 124.5 | 121.5 | 121.5 | 118.5 | 118.5 | 118.5 | 118.5 |
| 72.5° | 88.0 | 82.0 | 75.9 | 72.9 | 69.8 | 69.8 | 63.8 | 60.8 | 63.8 | 63.8 | 63.8 |
| 75° | 45.6 | 39.4 | 36.4 | 33.4 | 30.3 | 30.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| 77.5° | 18.2 | 15.2 | 12.1 | 12.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| 80° | 6.1 | 6.1 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 82.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 85° | 3.0 | 0.0 | 0.0 | 3.0 | 0.0 | 3.0 | 3.0 | 3.0 | 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: P585133

CATALOG NUMBER: HCC8W60D010MB-HM86080927-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 |
| 2.5° | 1991.9 | 1991.9 | 1988.8 | 1991.9 | 1985.8 | 1988.8 | 1985.8 | 1985.8 |
| 5° | 1946.4 | 1940.2 | 1940.2 | 1940.2 | 1937.3 | 1937.3 | 1934.1 | 1934.1 |
| 7.5° | 1891.7 | 1888.6 | 1885.6 | 1882.6 | 1879.5 | 1876.5 | 1876.5 | 1876.5 |
| 10° | 1837.0 | 1830.9 | 1830.9 | 1827.9 | 1821.8 | 1818.8 | 1818.8 | 1818.8 |
| 12.5° | 1773.2 | 1770.2 | 1767.1 | 1767.1 | 1755.0 | 1758.0 | 1755.0 | 1755.0 |
| 15° | 1712.6 | 1709.5 | 1709.5 | 1700.3 | 1694.3 | 1694.3 | 1694.3 | 1691.2 |
| 17.5° | 1648.8 | 1645.7 | 1642.7 | 1636.6 | 1630.6 | 1630.6 | 1627.4 | 1630.6 |
| 20° | 1582.0 | 1578.9 | 1572.9 | 1572.9 | 1569.8 | 1566.8 | 1560.7 | 1563.8 |
| 22.5° | 1515.1 | 1509.1 | 1506.0 | 1506.0 | 1503.0 | 1503.0 | 1496.9 | 1496.9 |
| 25° | 1445.3 | 1442.3 | 1439.2 | 1442.3 | 1436.2 | 1436.2 | 1430.1 | 1430.1 |
| 27.5° | 1372.4 | 1369.4 | 1369.4 | 1369.4 | 1366.3 | 1369.4 | 1366.3 | 1366.3 |
| 30° | 1299.5 | 1299.5 | 1296.5 | 1296.5 | 1299.5 | 1296.5 | 1299.5 | 1302.6 |
| 32.5° | 1220.6 | 1220.6 | 1223.6 | 1223.6 | 1226.6 | 1226.6 | 1226.6 | 1226.6 |
| 35° | 1138.6 | 1144.7 | 1144.7 | 1147.7 | 1150.7 | 1153.9 | 1153.9 | 1156.9 |
| 37.5° | 1062.7 | 1065.7 | 1068.9 | 1071.9 | 1078.0 | 1078.0 | 1078.0 | 1078.0 |
| 40° | 980.7 | 983.7 | 989.8 | 986.8 | 999.0 | 1002.0 | 999.0 | 999.0 |
| 42.5° | 895.7 | 901.8 | 904.8 | 911.0 | 914.0 | 920.1 | 923.1 | 923.1 |
| 45° | 816.8 | 819.8 | 825.9 | 831.9 | 835.1 | 844.1 | 844.1 | 844.1 |
| 47.5° | 734.8 | 740.8 | 743.9 | 749.9 | 753.1 | 762.2 | 765.2 | 762.2 |
| 50° | 655.8 | 661.9 | 668.0 | 668.0 | 677.2 | 680.2 | 686.3 | 689.3 |
| 52.5° | 579.9 | 582.9 | 589.0 | 592.0 | 598.2 | 604.3 | 607.3 | 610.3 |
| 55° | 507.0 | 510.1 | 516.1 | 516.1 | 525.3 | 528.4 | 534.4 | 534.4 |
| 57.5° | 440.3 | 443.4 | 449.4 | 446.4 | 452.4 | 458.5 | 458.5 | 455.5 |
| 60° | 376.5 | 376.5 | 376.5 | 382.6 | 385.6 | 388.7 | 391.7 | 391.7 |
| 62.5° | 309.7 | 315.8 | 318.8 | 318.8 | 321.9 | 324.9 | 324.9 | 321.9 |
| 65° | 249.0 | 255.0 | 258.1 | 258.1 | 261.1 | 261.1 | 261.1 | 264.1 |
| 67.5° | 188.2 | 188.2 | 188.2 | 191.3 | 188.2 | 188.2 | 188.2 | 188.2 |
| 70° | 118.5 | 118.5 | 118.5 | 118.5 | 115.3 | 118.5 | 118.5 | 121.5 |
| 72.5° | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| 75° | 27.3 | 27.3 | 27.3 | 30.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| 77.5° | 12.1 | 9.1 | 12.1 | 12.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| 80° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 82.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 85° | 0.0 | 3.0 | 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)