

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: P584990

Luminaire Tested: **HCC8S55D010MW-HM82555927-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584990
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: HCC8S55D010MW-HM82555927-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

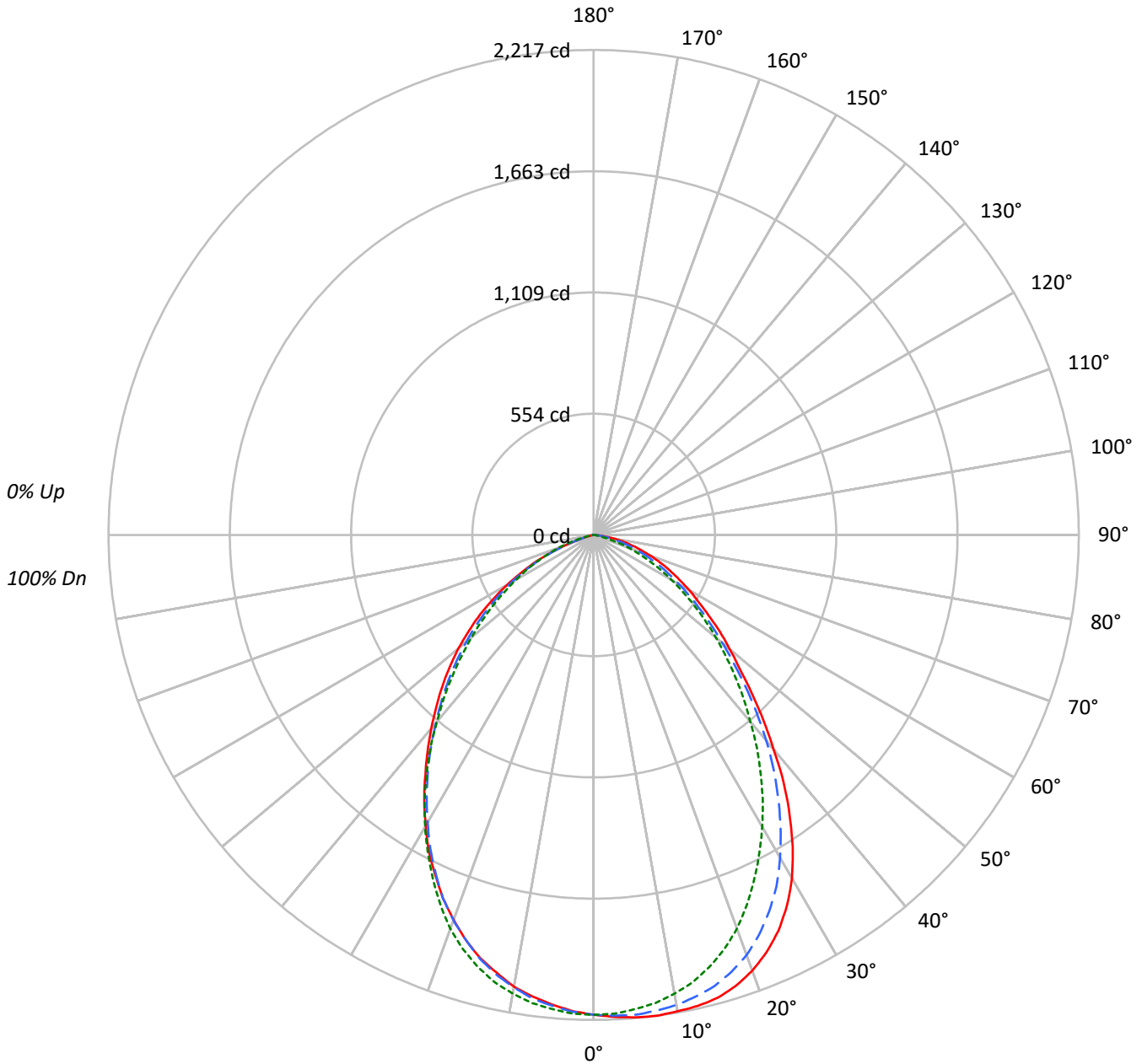
Lumens per Lamp: N/A
Luminaire Lumens: 4169.0 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): 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: P584990
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Luminous Intensity Polar Plot





TEST NUMBER: P584990

CATALOG NUMBER: HCC8S55D010MW-HM82555927-81RWWC

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° | 67639 | 67639 | 67639 |
| 5° | 68532 | 67353 | 66718 |
| 10° | 69234 | 66670 | 65658 |
| 15° | 69933 | 65259 | 63950 |
| 20° | 69582 | 62851 | 61411 |
| 25° | 67956 | 59090 | 58290 |
| 30° | 64548 | 54852 | 54642 |
| 35° | 58763 | 50052 | 50496 |
| 40° | 51517 | 44799 | 46445 |
| 45° | 44446 | 39846 | 42658 |
| 50° | 38920 | 34982 | 38637 |
| 55° | 34477 | 30074 | 34004 |
| 60° | 31065 | 25286 | 28172 |
| 65° | 27989 | 20299 | 21583 |
| 70° | 24559 | 14786 | 11874 |
| 75° | 20933 | 7685 | 3145 |
| 80° | 16124 | 2078 | 515 |
| 85° | 10367 | 0 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 207.0 | 5.0 |
| 10°-20° | 581.8 | 14.0 |
| 20°-30° | 825.8 | 19.8 |
| 30°-40° | 869.2 | 20.9 |
| 40°-50° | 739.5 | 17.7 |
| 50°-60° | 534.4 | 12.8 |
| 60°-70° | 303.9 | 7.3 |
| 70°-80° | 95.8 | 2.3 |
| 80°-90° | 11.6 | 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° | 1614.5 | 38.7 |
| 0°-40° | 2483.8 | 59.6 |
| 0°-60° | 3757.6 | 90.1 |
| 0°-90° | 4169.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4169.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2194 | 2194 | 2194 | 2194 | 2194 | |
| 5° | 2214 | 2202 | 2176 | 2161 | 2155 | 211 |
| 15° | 2191 | 2135 | 2044 | 2006 | 2003 | 617 |
| 25° | 1997 | 1898 | 1737 | 1707 | 1713 | 915 |
| 35° | 1561 | 1470 | 1330 | 1321 | 1341 | 971 |
| 45° | 1019 | 981 | 914 | 937 | 978 | 792 |
| 55° | 641 | 595 | 559 | 592 | 632 | 578 |
| 65° | 384 | 331 | 278 | 275 | 296 | 380 |
| 75° | 176 | 135 | 64 | 29 | 26 | 189 |
| 85° | 29 | 18 | 0 | 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° | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 |
| 2.5° | 2205.2 | 2208.2 | 2202.3 | 2202.3 | 2208.2 | 2202.3 | 2205.2 | 2205.2 | 2202.3 | 2202.3 | 2199.4 |
| 5° | 2214.0 | 2211.1 | 2211.1 | 2211.1 | 2214.0 | 2208.2 | 2205.2 | 2208.2 | 2202.3 | 2202.3 | 2202.3 |
| 7.5° | 2217.0 | 2217.0 | 2214.0 | 2211.1 | 2211.1 | 2211.1 | 2208.2 | 2205.2 | 2202.3 | 2196.4 | 2193.5 |
| 10° | 2211.1 | 2211.1 | 2214.0 | 2208.2 | 2208.2 | 2202.3 | 2202.3 | 2196.4 | 2196.4 | 2190.6 | 2181.8 |
| 12.5° | 2205.2 | 2202.3 | 2202.3 | 2196.4 | 2196.4 | 2190.6 | 2190.6 | 2181.8 | 2178.9 | 2170.1 | 2161.3 |
| 15° | 2190.6 | 2187.7 | 2181.8 | 2178.9 | 2175.9 | 2173.0 | 2167.1 | 2164.2 | 2155.4 | 2143.7 | 2135.0 |
| 17.5° | 2161.3 | 2158.4 | 2155.4 | 2149.6 | 2143.7 | 2140.8 | 2137.8 | 2129.2 | 2117.5 | 2108.7 | 2094.0 |
| 20° | 2120.4 | 2117.5 | 2117.5 | 2108.7 | 2105.7 | 2096.9 | 2094.0 | 2082.3 | 2073.5 | 2055.9 | 2044.2 |
| 22.5° | 2064.7 | 2067.6 | 2061.8 | 2055.9 | 2050.1 | 2041.3 | 2035.4 | 2023.7 | 2009.0 | 1991.5 | 1976.8 |
| 25° | 1997.3 | 2000.3 | 1994.4 | 1988.5 | 1979.7 | 1973.9 | 1968.0 | 1950.4 | 1935.8 | 1915.3 | 1897.7 |
| 27.5° | 1912.4 | 1912.4 | 1912.4 | 1906.5 | 1891.8 | 1888.9 | 1883.2 | 1865.6 | 1845.1 | 1827.5 | 1809.9 |
| 30° | 1812.8 | 1809.9 | 1809.9 | 1801.1 | 1795.3 | 1783.5 | 1774.8 | 1760.1 | 1745.5 | 1724.9 | 1704.4 |
| 32.5° | 1692.7 | 1695.6 | 1686.9 | 1681.0 | 1672.2 | 1672.2 | 1660.5 | 1648.8 | 1631.3 | 1610.8 | 1590.3 |
| 35° | 1561.0 | 1563.9 | 1558.1 | 1555.1 | 1540.5 | 1537.5 | 1534.6 | 1520.0 | 1508.2 | 1493.6 | 1470.2 |
| 37.5° | 1426.2 | 1423.3 | 1420.3 | 1420.3 | 1411.6 | 1405.7 | 1399.8 | 1391.0 | 1373.6 | 1361.9 | 1350.1 |
| 40° | 1279.8 | 1279.8 | 1279.8 | 1276.9 | 1274.0 | 1268.1 | 1265.2 | 1259.3 | 1247.6 | 1235.9 | 1227.1 |
| 42.5° | 1148.0 | 1148.0 | 1145.0 | 1142.1 | 1136.3 | 1139.2 | 1133.3 | 1127.6 | 1115.9 | 1107.1 | 1101.2 |
| 45° | 1019.2 | 1019.2 | 1019.2 | 1022.1 | 1016.2 | 1007.5 | 1007.5 | 1001.6 | 995.7 | 989.9 | 981.1 |
| 47.5° | 904.9 | 913.7 | 907.8 | 904.9 | 907.8 | 896.1 | 896.1 | 890.3 | 884.4 | 878.6 | 866.9 |
| 50° | 811.3 | 811.3 | 811.3 | 805.4 | 802.5 | 802.5 | 793.7 | 787.8 | 784.9 | 779.0 | 767.3 |
| 52.5° | 726.3 | 720.4 | 720.4 | 717.5 | 714.6 | 708.7 | 708.7 | 702.8 | 691.1 | 685.3 | 676.5 |
| 55° | 641.3 | 641.3 | 638.4 | 635.5 | 632.5 | 629.6 | 626.8 | 618.0 | 612.1 | 603.3 | 594.6 |
| 57.5° | 565.3 | 571.1 | 568.2 | 562.3 | 556.5 | 556.5 | 550.6 | 544.7 | 536.0 | 527.2 | 518.4 |
| 60° | 503.7 | 500.8 | 500.8 | 497.9 | 492.0 | 489.1 | 486.1 | 477.4 | 468.6 | 459.8 | 451.0 |
| 62.5° | 439.3 | 439.3 | 439.3 | 433.4 | 427.5 | 424.6 | 421.7 | 415.8 | 404.1 | 395.3 | 389.5 |
| 65° | 383.6 | 380.7 | 377.7 | 374.9 | 372.0 | 366.1 | 363.2 | 357.3 | 348.6 | 339.8 | 331.0 |
| 67.5° | 328.0 | 325.1 | 325.1 | 322.2 | 313.4 | 310.5 | 310.5 | 301.7 | 292.9 | 284.1 | 275.3 |
| 70° | 272.4 | 272.4 | 272.4 | 266.5 | 263.6 | 260.7 | 257.7 | 251.9 | 243.1 | 234.3 | 225.5 |
| 72.5° | 225.5 | 222.6 | 222.6 | 219.6 | 210.8 | 207.9 | 205.0 | 199.1 | 190.3 | 184.5 | 178.6 |
| 75° | 175.7 | 175.7 | 172.8 | 169.8 | 166.9 | 164.0 | 161.0 | 155.2 | 146.4 | 137.6 | 134.7 |
| 77.5° | 134.7 | 131.7 | 131.7 | 128.8 | 123.1 | 120.1 | 120.1 | 114.3 | 105.5 | 99.6 | 93.8 |
| 80° | 90.8 | 93.8 | 90.8 | 87.9 | 85.0 | 82.0 | 79.1 | 76.2 | 70.3 | 64.5 | 58.6 |
| 82.5° | 55.7 | 58.6 | 55.7 | 55.7 | 52.7 | 49.8 | 49.8 | 43.9 | 41.0 | 38.1 | 35.2 |
| 85° | 29.3 | 29.3 | 29.3 | 29.3 | 26.4 | 26.4 | 26.4 | 23.4 | 20.5 | 17.6 | 17.6 |
| 87.5° | 8.8 | 11.7 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 5.9 | 5.9 | 5.9 |
| 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° | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 |
| 2.5° | 2202.3 | 2199.4 | 2196.4 | 2196.4 | 2196.4 | 2196.4 | 2196.4 | 2193.5 | 2190.6 | 2190.6 | 2190.6 |
| 5° | 2196.4 | 2196.4 | 2196.4 | 2193.5 | 2190.6 | 2190.6 | 2184.7 | 2181.8 | 2178.9 | 2175.9 | 2173.0 |
| 7.5° | 2190.6 | 2184.7 | 2181.8 | 2178.9 | 2175.9 | 2175.9 | 2170.1 | 2164.2 | 2164.2 | 2158.4 | 2152.5 |
| 10° | 2173.0 | 2170.1 | 2164.2 | 2158.4 | 2155.4 | 2152.5 | 2146.6 | 2137.8 | 2135.0 | 2129.2 | 2123.3 |
| 12.5° | 2152.5 | 2146.6 | 2140.8 | 2129.2 | 2126.2 | 2123.3 | 2111.6 | 2102.8 | 2096.9 | 2094.0 | 2079.4 |
| 15° | 2126.2 | 2114.5 | 2105.7 | 2091.1 | 2088.2 | 2082.3 | 2073.5 | 2064.7 | 2053.0 | 2044.2 | 2038.3 |
| 17.5° | 2079.4 | 2067.6 | 2053.0 | 2038.3 | 2032.5 | 2032.5 | 2017.8 | 2006.1 | 1991.5 | 1985.6 | 1973.9 |
| 20° | 2023.7 | 2009.0 | 1997.3 | 1979.7 | 1971.0 | 1962.2 | 1953.4 | 1935.8 | 1924.1 | 1915.3 | 1900.6 |
| 22.5° | 1959.2 | 1938.7 | 1924.1 | 1906.5 | 1891.8 | 1883.2 | 1868.5 | 1853.9 | 1839.2 | 1830.4 | 1818.7 |
| 25° | 1877.3 | 1859.7 | 1836.3 | 1818.7 | 1809.9 | 1798.2 | 1780.6 | 1766.0 | 1751.3 | 1736.7 | 1730.8 |
| 27.5° | 1786.5 | 1763.0 | 1742.5 | 1722.0 | 1713.2 | 1704.4 | 1683.9 | 1666.3 | 1654.6 | 1640.0 | 1634.1 |
| 30° | 1686.9 | 1663.4 | 1640.0 | 1622.5 | 1613.7 | 1599.1 | 1587.4 | 1566.8 | 1552.2 | 1540.5 | 1525.8 |
| 32.5° | 1572.7 | 1555.1 | 1534.6 | 1508.2 | 1502.4 | 1490.7 | 1473.1 | 1464.3 | 1446.7 | 1437.9 | 1426.2 |
| 35° | 1449.6 | 1437.9 | 1417.4 | 1396.9 | 1388.1 | 1382.4 | 1367.7 | 1350.1 | 1338.4 | 1329.6 | 1323.8 |
| 37.5° | 1332.6 | 1317.9 | 1297.4 | 1282.8 | 1276.9 | 1268.1 | 1250.5 | 1241.7 | 1230.0 | 1224.2 | 1212.4 |
| 40° | 1206.6 | 1191.9 | 1177.3 | 1168.5 | 1159.7 | 1153.8 | 1142.1 | 1133.3 | 1121.7 | 1112.9 | 1110.0 |
| 42.5° | 1083.6 | 1074.8 | 1063.1 | 1051.4 | 1048.5 | 1039.7 | 1033.8 | 1025.0 | 1016.2 | 1013.3 | 1004.5 |
| 45° | 972.3 | 963.5 | 951.8 | 940.1 | 937.1 | 931.3 | 928.3 | 919.6 | 913.7 | 913.7 | 913.7 |
| 47.5° | 861.1 | 852.3 | 840.6 | 834.7 | 837.6 | 825.9 | 825.9 | 823.0 | 817.1 | 817.1 | 820.0 |
| 50° | 761.4 | 749.7 | 746.8 | 740.9 | 735.1 | 729.2 | 732.1 | 723.4 | 723.4 | 729.2 | 726.3 |
| 52.5° | 667.7 | 656.0 | 653.0 | 647.2 | 644.2 | 644.2 | 641.3 | 641.3 | 638.4 | 641.3 | 641.3 |
| 55° | 582.8 | 574.0 | 568.2 | 562.3 | 559.4 | 559.4 | 559.4 | 556.5 | 553.5 | 559.4 | 562.3 |
| 57.5° | 506.7 | 503.7 | 497.9 | 489.1 | 486.1 | 483.2 | 480.3 | 480.3 | 480.3 | 480.3 | 483.2 |
| 60° | 439.3 | 433.4 | 427.5 | 418.8 | 418.8 | 415.8 | 412.9 | 410.0 | 410.0 | 410.0 | 410.0 |
| 62.5° | 380.7 | 372.0 | 363.2 | 357.3 | 354.4 | 351.5 | 348.6 | 342.7 | 342.7 | 342.7 | 342.7 |
| 65° | 322.2 | 313.4 | 307.5 | 301.7 | 295.8 | 295.8 | 290.0 | 287.0 | 281.2 | 278.2 | 272.4 |
| 67.5° | 266.5 | 260.7 | 254.8 | 246.0 | 243.1 | 240.1 | 234.3 | 231.4 | 222.6 | 219.6 | 216.7 |
| 70° | 216.7 | 207.9 | 202.1 | 196.2 | 193.3 | 187.4 | 181.5 | 175.7 | 169.8 | 164.0 | 158.1 |
| 72.5° | 169.8 | 161.0 | 155.2 | 149.3 | 143.5 | 143.5 | 134.7 | 128.8 | 120.1 | 114.3 | 105.5 |
| 75° | 125.9 | 117.2 | 111.3 | 102.6 | 99.6 | 96.7 | 87.9 | 82.0 | 73.2 | 64.5 | 58.6 |
| 77.5° | 85.0 | 79.1 | 73.2 | 64.5 | 58.6 | 58.6 | 49.8 | 43.9 | 38.1 | 29.3 | 26.4 |
| 80° | 52.7 | 46.9 | 41.0 | 35.2 | 35.2 | 29.3 | 26.4 | 20.5 | 14.6 | 11.7 | 8.8 |
| 82.5° | 29.3 | 26.4 | 23.4 | 17.6 | 17.6 | 14.6 | 11.7 | 8.8 | 5.9 | 2.9 | 2.9 |
| 85° | 14.6 | 11.7 | 8.8 | 8.8 | 5.9 | 5.9 | 5.9 | 2.9 | 2.9 | 0.0 | 0.0 |
| 87.5° | 5.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 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 |

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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 |
| 2.5° | 2187.7 | 2187.7 | 2184.7 | 2184.7 | 2184.7 | 2181.8 | 2184.7 | 2181.8 | 2181.8 | 2181.8 | 2184.7 |
| 5° | 2175.9 | 2170.1 | 2170.1 | 2167.1 | 2167.1 | 2164.2 | 2167.1 | 2164.2 | 2161.3 | 2158.4 | 2161.3 |
| 7.5° | 2152.5 | 2146.6 | 2143.7 | 2140.8 | 2140.8 | 2140.8 | 2137.8 | 2135.0 | 2137.8 | 2129.2 | 2135.0 |
| 10° | 2120.4 | 2117.5 | 2111.6 | 2108.7 | 2105.7 | 2108.7 | 2105.7 | 2099.9 | 2099.9 | 2099.9 | 2096.9 |
| 12.5° | 2079.4 | 2073.5 | 2070.6 | 2067.6 | 2061.8 | 2061.8 | 2064.7 | 2058.9 | 2058.9 | 2053.0 | 2053.0 |
| 15° | 2029.6 | 2023.7 | 2017.8 | 2017.8 | 2012.0 | 2012.0 | 2009.0 | 2009.0 | 2006.1 | 2003.2 | 2003.2 |
| 17.5° | 1968.0 | 1959.2 | 1953.4 | 1956.3 | 1953.4 | 1950.4 | 1950.4 | 1944.6 | 1941.7 | 1944.6 | 1944.6 |
| 20° | 1894.8 | 1888.9 | 1883.2 | 1886.0 | 1880.2 | 1877.3 | 1880.2 | 1871.4 | 1874.4 | 1874.4 | 1874.4 |
| 22.5° | 1812.8 | 1809.9 | 1801.1 | 1801.1 | 1795.3 | 1792.3 | 1795.3 | 1795.3 | 1798.2 | 1795.3 | 1795.3 |
| 25° | 1722.0 | 1716.2 | 1710.3 | 1710.3 | 1707.4 | 1704.4 | 1707.4 | 1710.3 | 1707.4 | 1710.3 | 1710.3 |
| 27.5° | 1625.4 | 1616.7 | 1616.7 | 1610.8 | 1610.8 | 1613.7 | 1610.8 | 1613.7 | 1616.7 | 1616.7 | 1622.5 |
| 30° | 1520.0 | 1517.0 | 1514.1 | 1511.2 | 1511.2 | 1514.1 | 1514.1 | 1514.1 | 1517.0 | 1522.9 | 1522.9 |
| 32.5° | 1420.3 | 1414.5 | 1408.6 | 1408.6 | 1414.5 | 1411.6 | 1414.5 | 1414.5 | 1420.3 | 1420.3 | 1426.2 |
| 35° | 1312.1 | 1312.1 | 1306.2 | 1309.1 | 1309.1 | 1309.1 | 1309.1 | 1315.0 | 1320.8 | 1323.8 | 1329.6 |
| 37.5° | 1212.4 | 1203.6 | 1206.6 | 1206.6 | 1209.5 | 1206.6 | 1215.4 | 1215.4 | 1221.2 | 1221.2 | 1227.1 |
| 40° | 1104.1 | 1104.1 | 1107.1 | 1104.1 | 1107.1 | 1107.1 | 1112.9 | 1118.8 | 1121.7 | 1127.6 | 1130.5 |
| 42.5° | 1001.6 | 1007.5 | 1001.6 | 1004.5 | 1007.5 | 1010.4 | 1013.3 | 1016.2 | 1028.0 | 1033.8 | 1042.6 |
| 45° | 907.8 | 910.8 | 913.7 | 916.6 | 913.7 | 919.6 | 922.5 | 928.3 | 937.1 | 940.1 | 943.0 |
| 47.5° | 817.1 | 820.0 | 823.0 | 825.9 | 825.9 | 831.8 | 834.7 | 840.6 | 846.4 | 849.3 | 852.3 |
| 50° | 729.2 | 735.1 | 738.0 | 738.0 | 740.9 | 746.8 | 752.7 | 752.7 | 758.5 | 767.3 | 770.2 |
| 52.5° | 650.1 | 650.1 | 656.0 | 658.9 | 661.8 | 661.8 | 670.6 | 673.5 | 676.5 | 682.3 | 688.2 |
| 55° | 562.3 | 571.1 | 574.0 | 574.0 | 579.9 | 585.8 | 588.7 | 591.6 | 591.6 | 603.3 | 603.3 |
| 57.5° | 486.1 | 489.1 | 494.9 | 494.9 | 494.9 | 503.7 | 503.7 | 509.6 | 512.5 | 515.4 | 521.3 |
| 60° | 410.0 | 415.8 | 415.8 | 418.8 | 415.8 | 421.7 | 424.6 | 430.5 | 433.4 | 436.3 | 439.3 |
| 62.5° | 339.8 | 339.8 | 342.7 | 342.7 | 342.7 | 342.7 | 348.6 | 348.6 | 354.4 | 357.3 | 360.3 |
| 65° | 272.4 | 272.4 | 272.4 | 272.4 | 272.4 | 272.4 | 272.4 | 272.4 | 275.3 | 275.3 | 281.2 |
| 67.5° | 210.8 | 207.9 | 202.1 | 205.0 | 202.1 | 202.1 | 199.1 | 199.1 | 202.1 | 202.1 | 207.9 |
| 70° | 152.2 | 149.3 | 143.5 | 143.5 | 140.5 | 137.6 | 134.7 | 131.7 | 128.8 | 128.8 | 128.8 |
| 72.5° | 99.6 | 93.8 | 85.0 | 82.0 | 82.0 | 76.2 | 70.3 | 67.4 | 67.4 | 67.4 | 67.4 |
| 75° | 49.8 | 43.9 | 38.1 | 35.2 | 35.2 | 29.3 | 32.2 | 29.3 | 29.3 | 29.3 | 29.3 |
| 77.5° | 20.5 | 14.6 | 11.7 | 11.7 | 11.7 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 80° | 5.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 82.5° | 2.9 | 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: P584990

CATALOG NUMBER: HCC8S55D010MW-HM82555927-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 |
| 2.5° | 2181.8 | 2181.8 | 2175.9 | 2178.9 | 2178.9 | 2178.9 | 2178.9 | 2178.9 |
| 5° | 2155.4 | 2158.4 | 2155.4 | 2158.4 | 2158.4 | 2155.4 | 2155.4 | 2155.4 |
| 7.5° | 2129.2 | 2132.1 | 2129.2 | 2132.1 | 2132.1 | 2132.1 | 2129.2 | 2129.2 |
| 10° | 2096.9 | 2096.9 | 2096.9 | 2096.9 | 2096.9 | 2094.0 | 2096.9 | 2096.9 |
| 12.5° | 2053.0 | 2053.0 | 2053.0 | 2055.9 | 2055.9 | 2053.0 | 2053.0 | 2050.1 |
| 15° | 2006.1 | 2000.3 | 2003.2 | 2006.1 | 2003.2 | 2003.2 | 2003.2 | 2003.2 |
| 17.5° | 1941.7 | 1944.6 | 1941.7 | 1941.7 | 1941.7 | 1941.7 | 1944.6 | 1941.7 |
| 20° | 1874.4 | 1874.4 | 1877.3 | 1874.4 | 1874.4 | 1874.4 | 1874.4 | 1871.4 |
| 22.5° | 1798.2 | 1795.3 | 1795.3 | 1798.2 | 1798.2 | 1795.3 | 1798.2 | 1798.2 |
| 25° | 1713.2 | 1716.2 | 1713.2 | 1713.2 | 1716.2 | 1716.2 | 1716.2 | 1713.2 |
| 27.5° | 1622.5 | 1625.4 | 1628.4 | 1625.4 | 1625.4 | 1625.4 | 1628.4 | 1631.3 |
| 30° | 1528.8 | 1534.6 | 1528.8 | 1528.8 | 1534.6 | 1531.7 | 1534.6 | 1534.6 |
| 32.5° | 1429.1 | 1437.9 | 1432.1 | 1437.9 | 1437.9 | 1440.9 | 1437.9 | 1440.9 |
| 35° | 1329.6 | 1338.4 | 1338.4 | 1338.4 | 1341.4 | 1344.3 | 1344.3 | 1341.4 |
| 37.5° | 1235.9 | 1238.8 | 1238.8 | 1244.7 | 1247.6 | 1250.5 | 1250.5 | 1247.6 |
| 40° | 1139.2 | 1145.0 | 1148.0 | 1148.0 | 1148.0 | 1153.8 | 1159.7 | 1153.8 |
| 42.5° | 1045.5 | 1048.5 | 1051.4 | 1051.4 | 1057.3 | 1060.2 | 1063.1 | 1063.1 |
| 45° | 954.7 | 960.6 | 963.5 | 966.4 | 969.4 | 975.2 | 972.3 | 978.2 |
| 47.5° | 861.1 | 869.9 | 872.8 | 875.7 | 881.5 | 884.4 | 887.3 | 890.3 |
| 50° | 776.1 | 782.0 | 782.0 | 787.8 | 796.6 | 796.6 | 802.5 | 805.4 |
| 52.5° | 691.1 | 694.1 | 697.0 | 699.9 | 705.8 | 711.6 | 711.6 | 717.5 |
| 55° | 609.2 | 612.1 | 612.1 | 615.1 | 618.0 | 629.6 | 632.5 | 632.5 |
| 57.5° | 524.2 | 524.2 | 530.1 | 533.0 | 536.0 | 541.8 | 541.8 | 541.8 |
| 60° | 442.2 | 445.1 | 445.1 | 448.1 | 451.0 | 456.8 | 459.8 | 456.8 |
| 62.5° | 360.3 | 363.2 | 363.2 | 366.1 | 372.0 | 374.9 | 372.0 | 372.0 |
| 65° | 284.1 | 287.0 | 287.0 | 290.0 | 295.8 | 295.8 | 292.9 | 295.8 |
| 67.5° | 207.9 | 207.9 | 207.9 | 207.9 | 207.9 | 207.9 | 207.9 | 207.9 |
| 70° | 131.7 | 128.8 | 125.9 | 128.8 | 128.8 | 128.8 | 125.9 | 131.7 |
| 72.5° | 64.5 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 64.5 |
| 75° | 29.3 | 29.3 | 26.4 | 26.4 | 26.4 | 29.3 | 29.3 | 26.4 |
| 77.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 80° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 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)