

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: P585007

Luminaire Tested: **HCC8W55D010BZ-HM82555930-81RWWC**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P585007  
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: HCC8W55D010BZ-HM82555930-81RWWC  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

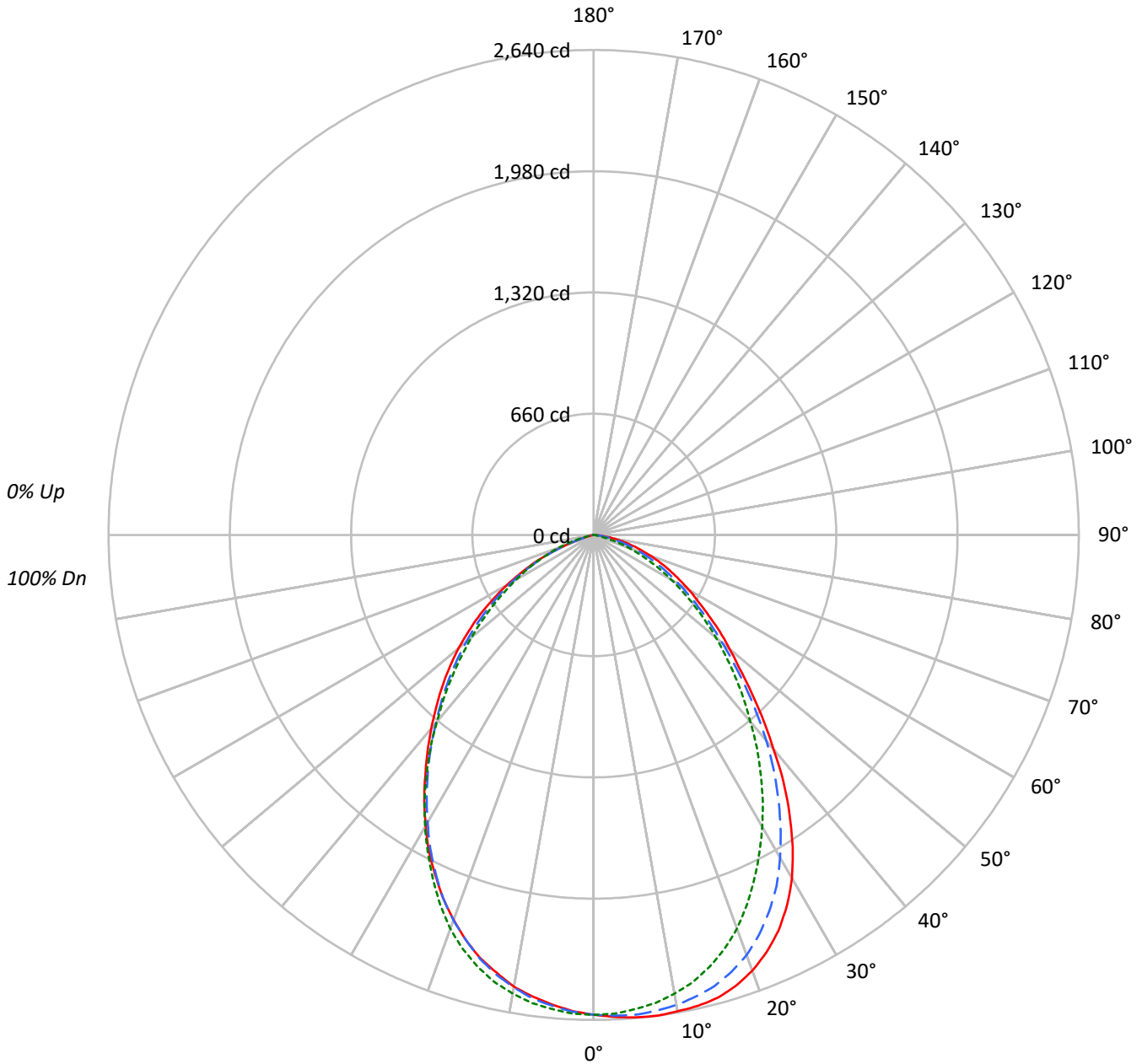
Lumens per Lamp: N/A  
Luminaire Lumens: 4964.4 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 52  
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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CATALOG NUMBER: HCC8W55D010BZ-HM82555930-81RWWC

### 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  | 85  | 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°  | 80544 | 80544 | 80544 |
| 5°  | 81610 | 80208 | 79453 |
| 10° | 82445 | 79388 | 78189 |
| 15° | 83277 | 77710 | 76152 |
| 20° | 82859 | 74845 | 73126 |
| 25° | 80926 | 70362 | 69413 |
| 30° | 76864 | 65317 | 65068 |
| 35° | 69973 | 59602 | 60125 |
| 40° | 61351 | 53345 | 55313 |
| 45° | 52924 | 47451 | 50800 |
| 50° | 46342 | 41655 | 46006 |
| 55° | 41063 | 35805 | 40493 |
| 60° | 36991 | 30115 | 33550 |
| 65° | 33330 | 24173 | 25698 |
| 70° | 29239 | 17608 | 14146 |
| 75° | 24925 | 9150  | 3741  |
| 80° | 19196 | 2468  | 622   |
| 85° | 12348 | 0     | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 246.4  | 5.0       |
| 10°-20°   | 692.8  | 14.0      |
| 20°-30°   | 983.4  | 19.8      |
| 30°-40°   | 1035.1 | 20.9      |
| 40°-50°   | 880.6  | 17.7      |
| 50°-60°   | 636.3  | 12.8      |
| 60°-70°   | 361.9  | 7.3       |
| 70°-80°   | 114.0  | 2.3       |
| 80°-90°   | 13.9   | 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°    | 1922.6 | 38.7      |
| 0°-40°    | 2957.7 | 59.6      |
| 0°-60°    | 4474.6 | 90.1      |
| 0°-90°    | 4964.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4964.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2612 | 2612 | 2612 | 2612 | 2612 |      |
| 5°  | 2636 | 2623 | 2591 | 2574 | 2567 | 252  |
| 15° | 2609 | 2542 | 2434 | 2389 | 2385 | 735  |
| 25° | 2378 | 2260 | 2068 | 2033 | 2040 | 1089 |
| 35° | 1859 | 1751 | 1583 | 1573 | 1597 | 1157 |
| 45° | 1214 | 1168 | 1088 | 1116 | 1165 | 943  |
| 55° | 764  | 708  | 666  | 704  | 753  | 689  |
| 65° | 457  | 394  | 331  | 328  | 352  | 453  |
| 75° | 209  | 160  | 77   | 35   | 31   | 225  |
| 85° | 35   | 21   | 0    | 0    | 0    | 45   |
| 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°    | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 |
| 2.5°  | 2626.0 | 2629.5 | 2622.6 | 2622.6 | 2629.5 | 2622.6 | 2626.0 | 2626.0 | 2622.6 | 2622.6 | 2619.1 |
| 5°    | 2636.5 | 2633.0 | 2633.0 | 2633.0 | 2636.5 | 2629.5 | 2626.0 | 2629.5 | 2622.6 | 2622.6 | 2622.6 |
| 7.5°  | 2640.0 | 2640.0 | 2636.5 | 2633.0 | 2633.0 | 2633.0 | 2629.5 | 2626.0 | 2622.6 | 2615.6 | 2612.0 |
| 10°   | 2633.0 | 2633.0 | 2636.5 | 2629.5 | 2629.5 | 2622.6 | 2622.6 | 2615.6 | 2615.6 | 2608.6 | 2598.1 |
| 12.5° | 2626.0 | 2622.6 | 2622.6 | 2615.6 | 2615.6 | 2608.6 | 2608.6 | 2598.1 | 2594.7 | 2584.1 | 2573.7 |
| 15°   | 2608.6 | 2605.1 | 2598.1 | 2594.7 | 2591.2 | 2587.7 | 2580.7 | 2577.2 | 2566.8 | 2552.9 | 2542.3 |
| 17.5° | 2573.7 | 2570.2 | 2566.8 | 2559.8 | 2552.9 | 2549.3 | 2545.8 | 2535.4 | 2521.4 | 2511.0 | 2493.5 |
| 20°   | 2525.0 | 2521.4 | 2521.4 | 2511.0 | 2507.5 | 2497.1 | 2493.5 | 2479.6 | 2469.1 | 2448.2 | 2434.2 |
| 22.5° | 2458.6 | 2462.1 | 2455.1 | 2448.2 | 2441.2 | 2430.7 | 2423.8 | 2409.9 | 2392.4 | 2371.4 | 2354.1 |
| 25°   | 2378.5 | 2382.0 | 2374.9 | 2368.0 | 2357.5 | 2350.6 | 2343.5 | 2322.7 | 2305.2 | 2280.8 | 2259.9 |
| 27.5° | 2277.3 | 2277.3 | 2277.3 | 2270.3 | 2252.9 | 2249.4 | 2242.4 | 2221.5 | 2197.0 | 2176.2 | 2155.2 |
| 30°   | 2158.7 | 2155.2 | 2155.2 | 2144.8 | 2137.8 | 2123.9 | 2113.4 | 2096.0 | 2078.5 | 2054.0 | 2029.7 |
| 32.5° | 2015.7 | 2019.2 | 2008.8 | 2001.8 | 1991.3 | 1991.3 | 1977.4 | 1963.5 | 1942.5 | 1918.1 | 1893.7 |
| 35°   | 1858.8 | 1862.3 | 1855.3 | 1851.9 | 1834.4 | 1830.9 | 1827.4 | 1810.0 | 1796.0 | 1778.6 | 1750.7 |
| 37.5° | 1698.3 | 1694.9 | 1691.4 | 1691.4 | 1681.0 | 1674.0 | 1667.1 | 1656.5 | 1635.6 | 1621.7 | 1607.7 |
| 40°   | 1524.1 | 1524.1 | 1524.1 | 1520.6 | 1517.0 | 1510.0 | 1506.6 | 1499.6 | 1485.6 | 1471.7 | 1461.2 |
| 42.5° | 1367.0 | 1367.0 | 1363.6 | 1360.1 | 1353.1 | 1356.6 | 1349.7 | 1342.6 | 1328.7 | 1318.3 | 1311.2 |
| 45°   | 1213.6 | 1213.6 | 1213.6 | 1217.1 | 1210.1 | 1199.7 | 1199.7 | 1192.7 | 1185.7 | 1178.8 | 1168.2 |
| 47.5° | 1077.7 | 1088.1 | 1081.1 | 1077.7 | 1081.1 | 1067.1 | 1067.1 | 1060.2 | 1053.2 | 1046.2 | 1032.3 |
| 50°   | 966.0  | 966.0  | 966.0  | 959.0  | 955.5  | 955.5  | 945.1  | 938.1  | 934.7  | 927.6  | 913.7  |
| 52.5° | 864.9  | 857.9  | 857.9  | 854.4  | 851.0  | 844.0  | 844.0  | 837.0  | 823.0  | 816.1  | 805.6  |
| 55°   | 763.8  | 763.8  | 760.3  | 756.8  | 753.2  | 749.8  | 746.3  | 735.9  | 728.9  | 718.4  | 708.0  |
| 57.5° | 673.1  | 680.0  | 676.6  | 669.6  | 662.6  | 662.6  | 655.6  | 648.7  | 638.2  | 627.7  | 617.3  |
| 60°   | 599.8  | 596.3  | 596.3  | 592.9  | 585.9  | 582.4  | 579.0  | 568.4  | 558.0  | 547.6  | 537.0  |
| 62.5° | 523.1  | 523.1  | 523.1  | 516.1  | 509.1  | 505.7  | 502.2  | 495.2  | 481.2  | 470.8  | 463.9  |
| 65°   | 456.8  | 453.3  | 449.9  | 446.4  | 442.9  | 436.0  | 432.5  | 425.4  | 415.0  | 404.6  | 394.0  |
| 67.5° | 390.6  | 387.1  | 387.1  | 383.6  | 373.2  | 369.6  | 369.6  | 359.2  | 348.8  | 338.2  | 327.8  |
| 70°   | 324.3  | 324.3  | 324.3  | 317.4  | 313.9  | 310.3  | 306.9  | 299.9  | 289.5  | 279.1  | 268.5  |
| 72.5° | 268.5  | 265.0  | 265.0  | 261.6  | 251.0  | 247.6  | 244.1  | 237.1  | 226.7  | 219.8  | 212.7  |
| 75°   | 209.2  | 209.2  | 205.8  | 202.3  | 198.8  | 195.3  | 191.9  | 184.8  | 174.4  | 164.0  | 160.4  |
| 77.5° | 160.4  | 156.9  | 156.9  | 153.4  | 146.5  | 143.0  | 143.0  | 136.0  | 125.5  | 118.6  | 111.6  |
| 80°   | 108.1  | 111.6  | 108.1  | 104.7  | 101.1  | 97.6   | 94.1   | 90.7   | 83.7   | 76.8   | 69.7   |
| 82.5° | 66.2   | 69.7   | 66.2   | 66.2   | 62.8   | 59.3   | 59.3   | 52.3   | 48.9   | 45.4   | 41.8   |
| 85°   | 34.9   | 34.9   | 34.9   | 34.9   | 31.4   | 31.4   | 31.4   | 27.9   | 24.4   | 21.0   | 21.0   |
| 87.5° | 10.4   | 13.9   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 7.0    | 7.0    | 7.0    |
| 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°    | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 |
| 2.5°  | 2622.6 | 2619.1 | 2615.6 | 2615.6 | 2615.6 | 2615.6 | 2615.6 | 2612.0 | 2608.6 | 2608.6 | 2608.6 |
| 5°    | 2615.6 | 2615.6 | 2615.6 | 2612.0 | 2608.6 | 2608.6 | 2601.6 | 2598.1 | 2594.7 | 2591.2 | 2587.7 |
| 7.5°  | 2608.6 | 2601.6 | 2598.1 | 2594.7 | 2591.2 | 2591.2 | 2584.1 | 2577.2 | 2577.2 | 2570.2 | 2563.3 |
| 10°   | 2587.7 | 2584.1 | 2577.2 | 2570.2 | 2566.8 | 2563.3 | 2556.2 | 2545.8 | 2542.3 | 2535.4 | 2528.4 |
| 12.5° | 2563.3 | 2556.2 | 2549.3 | 2535.4 | 2531.9 | 2528.4 | 2514.4 | 2504.0 | 2497.1 | 2493.5 | 2476.1 |
| 15°   | 2531.9 | 2517.9 | 2507.5 | 2490.0 | 2486.5 | 2479.6 | 2469.1 | 2458.6 | 2444.7 | 2434.2 | 2427.2 |
| 17.5° | 2476.1 | 2462.1 | 2444.7 | 2427.2 | 2420.3 | 2420.3 | 2402.8 | 2388.9 | 2371.4 | 2364.5 | 2350.6 |
| 20°   | 2409.9 | 2392.4 | 2378.5 | 2357.5 | 2347.0 | 2336.6 | 2326.1 | 2305.2 | 2291.3 | 2280.8 | 2263.4 |
| 22.5° | 2333.1 | 2308.7 | 2291.3 | 2270.3 | 2252.9 | 2242.4 | 2225.0 | 2207.6 | 2190.1 | 2179.7 | 2165.7 |
| 25°   | 2235.5 | 2214.5 | 2186.6 | 2165.7 | 2155.2 | 2141.2 | 2120.4 | 2102.9 | 2085.5 | 2068.0 | 2061.1 |
| 27.5° | 2127.3 | 2099.4 | 2075.0 | 2050.6 | 2040.1 | 2029.7 | 2005.3 | 1984.3 | 1970.4 | 1953.0 | 1946.0 |
| 30°   | 2008.8 | 1980.9 | 1953.0 | 1932.0 | 1921.6 | 1904.1 | 1890.2 | 1865.8 | 1848.4 | 1834.4 | 1817.0 |
| 32.5° | 1872.7 | 1851.9 | 1827.4 | 1796.0 | 1789.1 | 1775.1 | 1754.1 | 1743.7 | 1722.8 | 1712.3 | 1698.3 |
| 35°   | 1726.2 | 1712.3 | 1687.9 | 1663.5 | 1653.0 | 1646.1 | 1628.6 | 1607.7 | 1593.8 | 1583.3 | 1576.3 |
| 37.5° | 1586.8 | 1569.3 | 1544.9 | 1527.5 | 1520.6 | 1510.0 | 1489.1 | 1478.7 | 1464.8 | 1457.7 | 1443.8 |
| 40°   | 1436.9 | 1419.4 | 1401.9 | 1391.5 | 1381.0 | 1374.1 | 1360.1 | 1349.7 | 1335.7 | 1325.2 | 1321.8 |
| 42.5° | 1290.4 | 1279.9 | 1266.0 | 1252.0 | 1248.5 | 1238.0 | 1231.1 | 1220.6 | 1210.1 | 1206.7 | 1196.1 |
| 45°   | 1157.8 | 1147.4 | 1133.4 | 1119.5 | 1116.0 | 1109.1 | 1105.5 | 1095.0 | 1088.1 | 1088.1 | 1088.1 |
| 47.5° | 1025.3 | 1014.8 | 1000.9 | 994.0  | 997.4  | 983.4  | 983.4  | 980.0  | 973.0  | 973.0  | 976.5  |
| 50°   | 906.8  | 892.8  | 889.3  | 882.3  | 875.4  | 868.3  | 871.9  | 861.4  | 861.4  | 868.3  | 864.9  |
| 52.5° | 795.1  | 781.1  | 777.7  | 770.7  | 767.2  | 767.2  | 763.8  | 763.8  | 760.3  | 763.8  | 763.8  |
| 55°   | 694.1  | 683.5  | 676.6  | 669.6  | 666.0  | 666.0  | 666.0  | 662.6  | 659.1  | 666.0  | 669.6  |
| 57.5° | 603.3  | 599.8  | 592.9  | 582.4  | 579.0  | 575.5  | 571.9  | 571.9  | 571.9  | 571.9  | 575.5  |
| 60°   | 523.1  | 516.1  | 509.1  | 498.7  | 498.7  | 495.2  | 491.8  | 488.3  | 488.3  | 488.3  | 488.3  |
| 62.5° | 453.3  | 442.9  | 432.5  | 425.4  | 422.0  | 418.5  | 415.0  | 408.0  | 408.0  | 408.0  | 408.0  |
| 65°   | 383.6  | 373.2  | 366.1  | 359.2  | 352.2  | 352.2  | 345.3  | 341.8  | 334.8  | 331.3  | 324.3  |
| 67.5° | 317.4  | 310.3  | 303.4  | 293.0  | 289.5  | 286.0  | 279.1  | 275.5  | 265.0  | 261.6  | 258.1  |
| 70°   | 258.1  | 247.6  | 240.6  | 233.7  | 230.2  | 223.1  | 216.2  | 209.2  | 202.3  | 195.3  | 188.3  |
| 72.5° | 202.3  | 191.9  | 184.8  | 177.9  | 170.9  | 170.9  | 160.4  | 153.4  | 143.0  | 136.0  | 125.5  |
| 75°   | 150.0  | 139.5  | 132.6  | 122.0  | 118.6  | 115.1  | 104.7  | 97.6   | 87.2   | 76.8   | 69.7   |
| 77.5° | 101.1  | 94.1   | 87.2   | 76.8   | 69.7   | 69.7   | 59.3   | 52.3   | 45.4   | 34.9   | 31.4   |
| 80°   | 62.8   | 55.8   | 48.9   | 41.8   | 41.8   | 34.9   | 31.4   | 24.4   | 17.5   | 13.9   | 10.4   |
| 82.5° | 34.9   | 31.4   | 27.9   | 21.0   | 21.0   | 17.5   | 13.9   | 10.4   | 7.0    | 3.5    | 3.5    |
| 85°   | 17.5   | 13.9   | 10.4   | 10.4   | 7.0    | 7.0    | 7.0    | 3.5    | 3.5    | 0.0    | 0.0    |
| 87.5° | 7.0    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 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°    | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 |
| 2.5°  | 2605.1 | 2605.1 | 2601.6 | 2601.6 | 2601.6 | 2598.1 | 2601.6 | 2598.1 | 2598.1 | 2598.1 | 2601.6 |
| 5°    | 2591.2 | 2584.1 | 2584.1 | 2580.7 | 2580.7 | 2577.2 | 2580.7 | 2577.2 | 2573.7 | 2570.2 | 2573.7 |
| 7.5°  | 2563.3 | 2556.2 | 2552.9 | 2549.3 | 2549.3 | 2549.3 | 2545.8 | 2542.3 | 2545.8 | 2535.4 | 2542.3 |
| 10°   | 2525.0 | 2521.4 | 2514.4 | 2511.0 | 2507.5 | 2511.0 | 2507.5 | 2500.5 | 2500.5 | 2500.5 | 2497.1 |
| 12.5° | 2476.1 | 2469.1 | 2465.7 | 2462.1 | 2455.1 | 2455.1 | 2458.6 | 2451.7 | 2451.7 | 2444.7 | 2444.7 |
| 15°   | 2416.8 | 2409.9 | 2402.8 | 2402.8 | 2395.9 | 2395.9 | 2392.4 | 2392.4 | 2388.9 | 2385.4 | 2385.4 |
| 17.5° | 2343.5 | 2333.1 | 2326.1 | 2329.6 | 2326.1 | 2322.7 | 2322.7 | 2315.6 | 2312.1 | 2315.6 | 2315.6 |
| 20°   | 2256.3 | 2249.4 | 2242.4 | 2245.9 | 2239.0 | 2235.5 | 2239.0 | 2228.4 | 2232.0 | 2232.0 | 2232.0 |
| 22.5° | 2158.7 | 2155.2 | 2144.8 | 2144.8 | 2137.8 | 2134.3 | 2137.8 | 2137.8 | 2141.2 | 2137.8 | 2137.8 |
| 25°   | 2050.6 | 2043.6 | 2036.7 | 2036.7 | 2033.2 | 2029.7 | 2033.2 | 2036.7 | 2033.2 | 2036.7 | 2036.7 |
| 27.5° | 1935.6 | 1925.0 | 1925.0 | 1918.1 | 1918.1 | 1921.6 | 1918.1 | 1921.6 | 1925.0 | 1925.0 | 1932.0 |
| 30°   | 1810.0 | 1806.5 | 1803.0 | 1799.5 | 1799.5 | 1803.0 | 1803.0 | 1803.0 | 1806.5 | 1813.4 | 1813.4 |
| 32.5° | 1691.4 | 1684.4 | 1677.5 | 1677.5 | 1684.4 | 1681.0 | 1684.4 | 1684.4 | 1691.4 | 1691.4 | 1698.3 |
| 35°   | 1562.4 | 1562.4 | 1555.4 | 1558.9 | 1558.9 | 1558.9 | 1558.9 | 1565.9 | 1572.8 | 1576.3 | 1583.3 |
| 37.5° | 1443.8 | 1433.4 | 1436.9 | 1436.9 | 1440.3 | 1436.9 | 1447.3 | 1447.3 | 1454.2 | 1454.2 | 1461.2 |
| 40°   | 1314.7 | 1314.7 | 1318.3 | 1314.7 | 1318.3 | 1318.3 | 1325.2 | 1332.2 | 1335.7 | 1342.6 | 1346.2 |
| 42.5° | 1192.7 | 1199.7 | 1192.7 | 1196.1 | 1199.7 | 1203.2 | 1206.7 | 1210.1 | 1224.0 | 1231.1 | 1241.5 |
| 45°   | 1081.1 | 1084.6 | 1088.1 | 1091.6 | 1088.1 | 1095.0 | 1098.5 | 1105.5 | 1116.0 | 1119.5 | 1123.0 |
| 47.5° | 973.0  | 976.5  | 980.0  | 983.4  | 983.4  | 990.5  | 994.0  | 1000.9 | 1007.9 | 1011.3 | 1014.8 |
| 50°   | 868.3  | 875.4  | 878.9  | 878.9  | 882.3  | 889.3  | 896.2  | 896.2  | 903.3  | 913.7  | 917.2  |
| 52.5° | 774.2  | 774.2  | 781.1  | 784.7  | 788.2  | 788.2  | 798.6  | 802.1  | 805.6  | 812.5  | 819.6  |
| 55°   | 669.6  | 680.0  | 683.5  | 683.5  | 690.5  | 697.5  | 701.0  | 704.5  | 704.5  | 718.4  | 718.4  |
| 57.5° | 579.0  | 582.4  | 589.4  | 589.4  | 589.4  | 599.8  | 599.8  | 606.9  | 610.3  | 613.8  | 620.8  |
| 60°   | 488.3  | 495.2  | 495.2  | 498.7  | 495.2  | 502.2  | 505.7  | 512.6  | 516.1  | 519.7  | 523.1  |
| 62.5° | 404.6  | 404.6  | 408.0  | 408.0  | 408.0  | 408.0  | 415.0  | 415.0  | 422.0  | 425.4  | 429.0  |
| 65°   | 324.3  | 324.3  | 324.3  | 324.3  | 324.3  | 324.3  | 324.3  | 324.3  | 327.8  | 327.8  | 334.8  |
| 67.5° | 251.0  | 247.6  | 240.6  | 244.1  | 240.6  | 240.6  | 237.1  | 237.1  | 240.6  | 240.6  | 247.6  |
| 70°   | 181.3  | 177.9  | 170.9  | 170.9  | 167.4  | 164.0  | 160.4  | 156.9  | 153.4  | 153.4  | 153.4  |
| 72.5° | 118.6  | 111.6  | 101.1  | 97.6   | 97.6   | 90.7   | 83.7   | 80.2   | 80.2   | 80.2   | 80.2   |
| 75°   | 59.3   | 52.3   | 45.4   | 41.8   | 41.8   | 34.9   | 38.3   | 34.9   | 34.9   | 34.9   | 34.9   |
| 77.5° | 24.4   | 17.5   | 13.9   | 13.9   | 13.9   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   |
| 80°   | 7.0    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 82.5° | 3.5    | 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: P585007

CATALOG NUMBER: HCC8W55D010BZ-HM82555930-81RWWC

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 |
| 2.5°  | 2598.1 | 2598.1 | 2591.2 | 2594.7 | 2594.7 | 2594.7 | 2594.7 | 2594.7 |
| 5°    | 2566.8 | 2570.2 | 2566.8 | 2570.2 | 2570.2 | 2566.8 | 2566.8 | 2566.8 |
| 7.5°  | 2535.4 | 2538.9 | 2535.4 | 2538.9 | 2538.9 | 2538.9 | 2535.4 | 2535.4 |
| 10°   | 2497.1 | 2497.1 | 2497.1 | 2497.1 | 2497.1 | 2493.5 | 2497.1 | 2497.1 |
| 12.5° | 2444.7 | 2444.7 | 2444.7 | 2448.2 | 2448.2 | 2444.7 | 2444.7 | 2441.2 |
| 15°   | 2388.9 | 2382.0 | 2385.4 | 2388.9 | 2385.4 | 2385.4 | 2385.4 | 2385.4 |
| 17.5° | 2312.1 | 2315.6 | 2312.1 | 2312.1 | 2312.1 | 2312.1 | 2315.6 | 2312.1 |
| 20°   | 2232.0 | 2232.0 | 2235.5 | 2232.0 | 2232.0 | 2232.0 | 2232.0 | 2228.4 |
| 22.5° | 2141.2 | 2137.8 | 2137.8 | 2141.2 | 2141.2 | 2137.8 | 2141.2 | 2141.2 |
| 25°   | 2040.1 | 2043.6 | 2040.1 | 2040.1 | 2043.6 | 2043.6 | 2043.6 | 2040.1 |
| 27.5° | 1932.0 | 1935.6 | 1939.1 | 1935.6 | 1935.6 | 1935.6 | 1939.1 | 1942.5 |
| 30°   | 1820.5 | 1827.4 | 1820.5 | 1820.5 | 1827.4 | 1824.0 | 1827.4 | 1827.4 |
| 32.5° | 1701.9 | 1712.3 | 1705.4 | 1712.3 | 1712.3 | 1715.8 | 1712.3 | 1715.8 |
| 35°   | 1583.3 | 1593.8 | 1593.8 | 1593.8 | 1597.2 | 1600.7 | 1600.7 | 1597.2 |
| 37.5° | 1471.7 | 1475.2 | 1475.2 | 1482.1 | 1485.6 | 1489.1 | 1489.1 | 1485.6 |
| 40°   | 1356.6 | 1363.6 | 1367.0 | 1367.0 | 1367.0 | 1374.1 | 1381.0 | 1374.1 |
| 42.5° | 1245.0 | 1248.5 | 1252.0 | 1252.0 | 1259.0 | 1262.5 | 1266.0 | 1266.0 |
| 45°   | 1137.0 | 1143.9 | 1147.4 | 1150.9 | 1154.3 | 1161.3 | 1157.8 | 1164.9 |
| 47.5° | 1025.3 | 1035.8 | 1039.2 | 1042.7 | 1049.8 | 1053.2 | 1056.7 | 1060.2 |
| 50°   | 924.1  | 931.2  | 931.2  | 938.1  | 948.6  | 948.6  | 955.5  | 959.0  |
| 52.5° | 823.0  | 826.5  | 830.0  | 833.5  | 840.4  | 847.5  | 847.5  | 854.4  |
| 55°   | 725.4  | 728.9  | 728.9  | 732.4  | 735.9  | 749.8  | 753.2  | 753.2  |
| 57.5° | 624.2  | 624.2  | 631.2  | 634.8  | 638.2  | 645.2  | 645.2  | 645.2  |
| 60°   | 526.6  | 530.1  | 530.1  | 533.6  | 537.0  | 544.0  | 547.6  | 544.0  |
| 62.5° | 429.0  | 432.5  | 432.5  | 436.0  | 442.9  | 446.4  | 442.9  | 442.9  |
| 65°   | 338.2  | 341.8  | 341.8  | 345.3  | 352.2  | 352.2  | 348.8  | 352.2  |
| 67.5° | 247.6  | 247.6  | 247.6  | 247.6  | 247.6  | 247.6  | 247.6  | 247.6  |
| 70°   | 156.9  | 153.4  | 150.0  | 153.4  | 153.4  | 153.4  | 150.0  | 156.9  |
| 72.5° | 76.8   | 80.2   | 80.2   | 80.2   | 80.2   | 80.2   | 80.2   | 76.8   |
| 75°   | 34.9   | 34.9   | 31.4   | 31.4   | 31.4   | 34.9   | 34.9   | 31.4   |
| 77.5° | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   |
| 80°   | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 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    |

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Scaled Data Report



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Scaled Data Report



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

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(END OF REPORT)