

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: P584905

Luminaire Tested: **HCC8W50D010SL-HM82555940-81RWWC**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584905  
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: HCC8W50D010SL-HM82555940-81RWWC  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

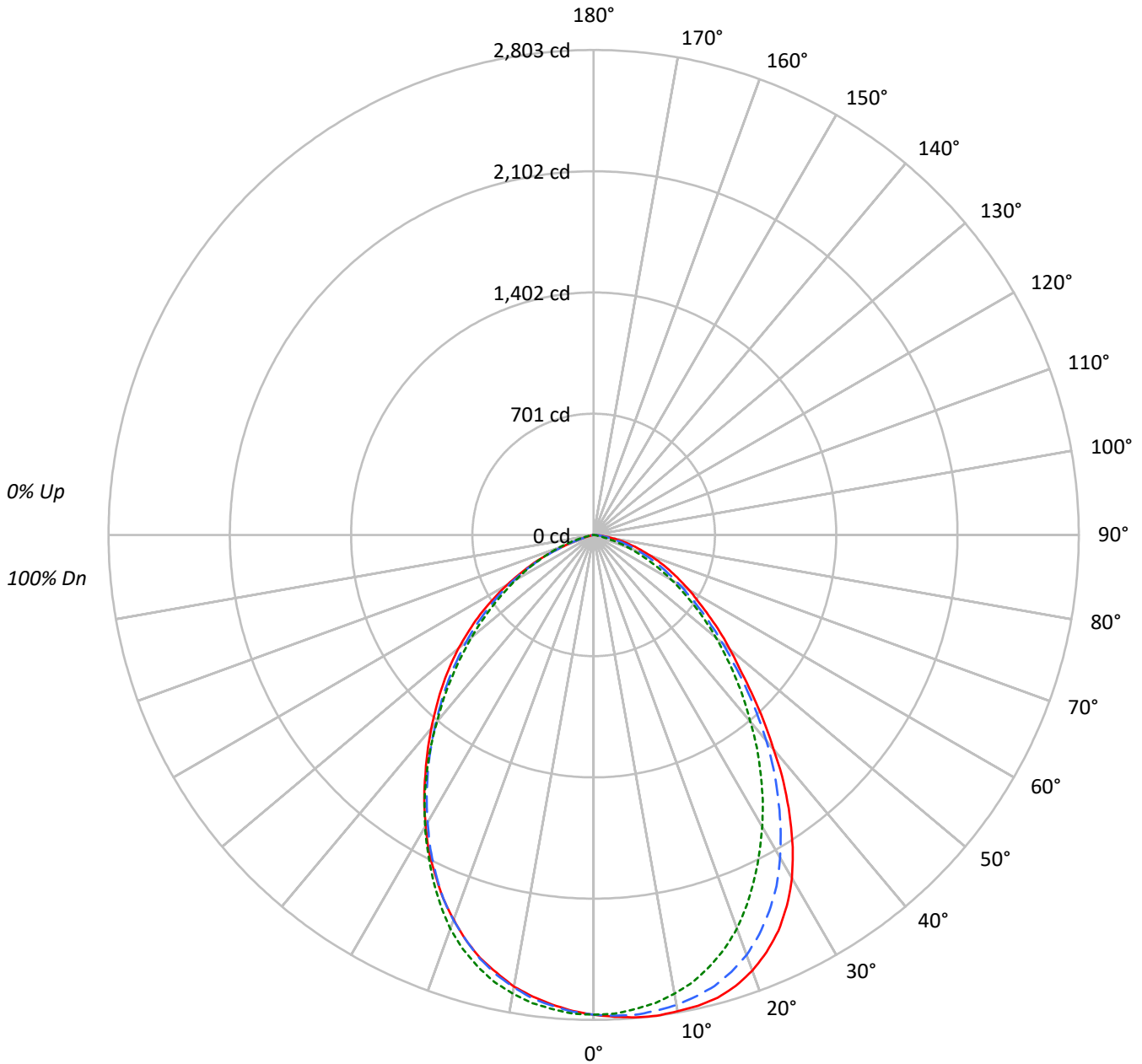
Lumens per Lamp: N/A  
Luminaire Lumens: 5270.6 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 48  
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



TEST NUMBER: P584905  
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### 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  | 84  | 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°  | 85515 | 85515 | 85515 |
| 5°  | 86644 | 85152 | 84353 |
| 10° | 87530 | 84283 | 83005 |
| 15° | 88414 | 82501 | 80848 |
| 20° | 87965 | 79462 | 77638 |
| 25° | 85911 | 74703 | 73693 |
| 30° | 81603 | 69348 | 69081 |
| 35° | 74287 | 63276 | 63837 |
| 40° | 65131 | 56633 | 58722 |
| 45° | 56190 | 50377 | 53931 |
| 50° | 49201 | 44226 | 48846 |
| 55° | 43590 | 38015 | 42993 |
| 60° | 39279 | 31965 | 35622 |
| 65° | 35388 | 25669 | 27289 |
| 70° | 31051 | 18699 | 15021 |
| 75° | 26462 | 9710  | 3967  |
| 80° | 20386 | 2628  | 657   |
| 85° | 13126 | 0     | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 261.6  | 5.0       |
| 10°-20°   | 735.5  | 14.0      |
| 20°-30°   | 1044.0 | 19.8      |
| 30°-40°   | 1098.9 | 20.9      |
| 40°-50°   | 934.9  | 17.7      |
| 50°-60°   | 675.6  | 12.8      |
| 60°-70°   | 384.3  | 7.3       |
| 70°-80°   | 121.1  | 2.3       |
| 80°-90°   | 14.7   | 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°    | 2041.2 | 38.7      |
| 0°-40°    | 3140.1 | 59.6      |
| 0°-60°    | 4750.5 | 90.1      |
| 0°-90°    | 5270.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5270.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2773 | 2773 | 2773 | 2773 | 2773 |      |
| 5°  | 2799 | 2784 | 2751 | 2732 | 2725 | 267  |
| 15° | 2770 | 2699 | 2584 | 2536 | 2532 | 780  |
| 25° | 2525 | 2399 | 2196 | 2159 | 2166 | 1156 |
| 35° | 1973 | 1859 | 1681 | 1670 | 1696 | 1228 |
| 45° | 1288 | 1240 | 1155 | 1185 | 1237 | 1002 |
| 55° | 811  | 752  | 707  | 748  | 800  | 731  |
| 65° | 485  | 418  | 352  | 348  | 374  | 481  |
| 75° | 222  | 170  | 82   | 37   | 33   | 239  |
| 85° | 37   | 22   | 0    | 0    | 0    | 48   |
| 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°    | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 |
| 2.5°  | 2787.9 | 2791.7 | 2784.3 | 2784.3 | 2791.7 | 2784.3 | 2787.9 | 2787.9 | 2784.3 | 2784.3 | 2780.6 |
| 5°    | 2799.1 | 2795.4 | 2795.4 | 2795.4 | 2799.1 | 2791.7 | 2787.9 | 2791.7 | 2784.3 | 2784.3 | 2784.3 |
| 7.5°  | 2802.8 | 2802.8 | 2799.1 | 2795.4 | 2795.4 | 2795.4 | 2791.7 | 2787.9 | 2784.3 | 2776.8 | 2773.2 |
| 10°   | 2795.4 | 2795.4 | 2799.1 | 2791.7 | 2791.7 | 2784.3 | 2784.3 | 2776.8 | 2776.8 | 2769.5 | 2758.4 |
| 12.5° | 2787.9 | 2784.3 | 2784.3 | 2776.8 | 2776.8 | 2769.5 | 2769.5 | 2758.4 | 2754.6 | 2743.5 | 2732.4 |
| 15°   | 2769.5 | 2765.7 | 2758.4 | 2754.6 | 2750.9 | 2747.3 | 2739.8 | 2736.2 | 2725.1 | 2710.2 | 2699.1 |
| 17.5° | 2732.4 | 2728.7 | 2725.1 | 2717.6 | 2710.2 | 2706.5 | 2702.8 | 2691.7 | 2676.9 | 2665.8 | 2647.3 |
| 20°   | 2680.6 | 2676.9 | 2676.9 | 2665.8 | 2662.0 | 2650.9 | 2647.3 | 2632.5 | 2621.4 | 2599.2 | 2584.3 |
| 22.5° | 2610.3 | 2614.0 | 2606.5 | 2599.2 | 2591.8 | 2580.7 | 2573.2 | 2558.5 | 2539.9 | 2517.7 | 2499.2 |
| 25°   | 2525.0 | 2528.8 | 2521.4 | 2513.9 | 2502.8 | 2495.5 | 2488.1 | 2465.9 | 2447.3 | 2421.5 | 2399.3 |
| 27.5° | 2417.7 | 2417.7 | 2417.7 | 2410.4 | 2391.8 | 2388.2 | 2380.7 | 2358.5 | 2332.6 | 2310.3 | 2288.1 |
| 30°   | 2291.8 | 2288.1 | 2288.1 | 2277.0 | 2269.6 | 2254.8 | 2243.7 | 2225.2 | 2206.7 | 2180.8 | 2154.8 |
| 32.5° | 2140.1 | 2143.7 | 2132.6 | 2125.2 | 2114.1 | 2114.1 | 2099.3 | 2084.4 | 2062.2 | 2036.4 | 2010.4 |
| 35°   | 1973.4 | 1977.1 | 1969.8 | 1966.0 | 1947.6 | 1943.8 | 1940.1 | 1921.6 | 1906.8 | 1888.3 | 1858.6 |
| 37.5° | 1803.1 | 1799.4 | 1795.7 | 1795.7 | 1784.6 | 1777.2 | 1769.7 | 1758.6 | 1736.4 | 1721.7 | 1706.9 |
| 40°   | 1618.0 | 1618.0 | 1618.0 | 1614.3 | 1610.5 | 1603.2 | 1599.4 | 1592.1 | 1577.2 | 1562.5 | 1551.4 |
| 42.5° | 1451.4 | 1451.4 | 1447.7 | 1443.9 | 1436.6 | 1440.2 | 1432.8 | 1425.5 | 1410.6 | 1399.5 | 1392.2 |
| 45°   | 1288.5 | 1288.5 | 1288.5 | 1292.2 | 1284.7 | 1273.6 | 1273.6 | 1266.3 | 1258.9 | 1251.4 | 1240.3 |
| 47.5° | 1144.1 | 1155.2 | 1147.7 | 1144.1 | 1147.7 | 1133.0 | 1133.0 | 1125.5 | 1118.1 | 1110.8 | 1095.9 |
| 50°   | 1025.6 | 1025.6 | 1025.6 | 1018.2 | 1014.5 | 1014.5 | 1003.4 | 996.0  | 992.2  | 984.9  | 970.0  |
| 52.5° | 918.2  | 910.8  | 910.8  | 907.1  | 903.4  | 896.0  | 896.0  | 888.6  | 873.8  | 866.3  | 855.2  |
| 55°   | 810.8  | 810.8  | 807.2  | 803.5  | 799.7  | 796.1  | 792.3  | 781.2  | 773.8  | 762.7  | 751.6  |
| 57.5° | 714.6  | 722.0  | 718.2  | 710.9  | 703.5  | 703.5  | 696.0  | 688.7  | 677.6  | 666.4  | 655.3  |
| 60°   | 636.9  | 633.1  | 633.1  | 629.4  | 622.0  | 618.3  | 614.7  | 603.6  | 592.4  | 581.3  | 570.2  |
| 62.5° | 555.4  | 555.4  | 555.4  | 547.9  | 540.5  | 536.8  | 533.2  | 525.7  | 511.0  | 499.9  | 492.4  |
| 65°   | 485.0  | 481.3  | 477.7  | 473.9  | 470.2  | 462.8  | 459.1  | 451.7  | 440.6  | 429.5  | 418.4  |
| 67.5° | 414.6  | 411.0  | 411.0  | 407.3  | 396.2  | 392.4  | 392.4  | 381.3  | 370.2  | 359.1  | 348.0  |
| 70°   | 344.4  | 344.4  | 344.4  | 336.9  | 333.3  | 329.5  | 325.8  | 318.4  | 307.3  | 296.2  | 285.1  |
| 72.5° | 285.1  | 281.4  | 281.4  | 277.6  | 266.5  | 262.9  | 259.2  | 251.8  | 240.7  | 233.2  | 225.9  |
| 75°   | 222.1  | 222.1  | 218.5  | 214.7  | 211.0  | 207.4  | 203.6  | 196.3  | 185.2  | 174.1  | 170.3  |
| 77.5° | 170.3  | 166.6  | 166.6  | 163.0  | 155.5  | 151.9  | 151.9  | 144.4  | 133.3  | 125.9  | 118.5  |
| 80°   | 114.8  | 118.5  | 114.8  | 111.1  | 107.3  | 103.7  | 99.9   | 96.2   | 88.8   | 81.5   | 74.0   |
| 82.5° | 70.4   | 74.0   | 70.4   | 70.4   | 66.6   | 62.9   | 62.9   | 55.5   | 51.8   | 48.2   | 44.4   |
| 85°   | 37.1   | 37.1   | 37.1   | 37.1   | 33.3   | 33.3   | 33.3   | 29.6   | 26.0   | 22.2   | 22.2   |
| 87.5° | 11.1   | 14.8   | 11.1   | 11.1   | 11.1   | 11.1   | 11.1   | 11.1   | 7.4    | 7.4    | 7.4    |
| 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°    | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 |
| 2.5°  | 2784.3 | 2780.6 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2776.8 | 2773.2 | 2769.5 | 2769.5 | 2769.5 |
| 5°    | 2776.8 | 2776.8 | 2776.8 | 2773.2 | 2769.5 | 2769.5 | 2762.0 | 2758.4 | 2754.6 | 2750.9 | 2747.3 |
| 7.5°  | 2769.5 | 2762.0 | 2758.4 | 2754.6 | 2750.9 | 2750.9 | 2743.5 | 2736.2 | 2736.2 | 2728.7 | 2721.3 |
| 10°   | 2747.3 | 2743.5 | 2736.2 | 2728.7 | 2725.1 | 2721.3 | 2714.0 | 2702.8 | 2699.1 | 2691.7 | 2684.3 |
| 12.5° | 2721.3 | 2714.0 | 2706.5 | 2691.7 | 2688.0 | 2684.3 | 2669.5 | 2658.4 | 2650.9 | 2647.3 | 2628.7 |
| 15°   | 2688.0 | 2673.2 | 2662.0 | 2643.6 | 2639.8 | 2632.5 | 2621.4 | 2610.3 | 2595.4 | 2584.3 | 2576.9 |
| 17.5° | 2628.7 | 2614.0 | 2595.4 | 2576.9 | 2569.6 | 2569.6 | 2551.0 | 2536.1 | 2517.7 | 2510.3 | 2495.5 |
| 20°   | 2558.5 | 2539.9 | 2525.0 | 2502.8 | 2491.7 | 2480.6 | 2469.5 | 2447.3 | 2432.6 | 2421.5 | 2402.9 |
| 22.5° | 2477.0 | 2451.0 | 2432.6 | 2410.4 | 2391.8 | 2380.7 | 2362.2 | 2343.7 | 2325.1 | 2314.0 | 2299.2 |
| 25°   | 2373.3 | 2351.1 | 2321.4 | 2299.2 | 2288.1 | 2273.4 | 2251.1 | 2232.6 | 2214.1 | 2195.6 | 2188.1 |
| 27.5° | 2258.5 | 2228.9 | 2203.0 | 2177.0 | 2165.9 | 2154.8 | 2129.0 | 2106.8 | 2091.9 | 2073.3 | 2066.0 |
| 30°   | 2132.6 | 2103.0 | 2073.3 | 2051.1 | 2040.0 | 2021.6 | 2006.7 | 1980.9 | 1962.3 | 1947.6 | 1929.0 |
| 32.5° | 1988.2 | 1966.0 | 1940.1 | 1906.8 | 1899.4 | 1884.5 | 1862.3 | 1851.2 | 1829.0 | 1817.9 | 1803.1 |
| 35°   | 1832.8 | 1817.9 | 1792.0 | 1766.1 | 1755.0 | 1747.5 | 1729.1 | 1706.9 | 1692.0 | 1680.9 | 1673.5 |
| 37.5° | 1684.6 | 1666.2 | 1640.2 | 1621.6 | 1614.3 | 1603.2 | 1581.0 | 1569.9 | 1555.0 | 1547.6 | 1532.8 |
| 40°   | 1525.4 | 1507.0 | 1488.4 | 1477.3 | 1466.2 | 1458.8 | 1443.9 | 1432.8 | 1418.0 | 1406.9 | 1403.3 |
| 42.5° | 1370.0 | 1358.8 | 1344.0 | 1329.2 | 1325.5 | 1314.4 | 1306.9 | 1295.8 | 1284.7 | 1281.1 | 1270.0 |
| 45°   | 1229.2 | 1218.1 | 1203.3 | 1188.5 | 1184.8 | 1177.4 | 1173.7 | 1162.6 | 1155.2 | 1155.2 | 1155.2 |
| 47.5° | 1088.6 | 1077.5 | 1062.6 | 1055.3 | 1058.9 | 1044.2 | 1044.2 | 1040.4 | 1033.0 | 1033.0 | 1036.7 |
| 50°   | 962.7  | 947.8  | 944.1  | 936.7  | 929.4  | 921.9  | 925.6  | 914.5  | 914.5  | 921.9  | 918.2  |
| 52.5° | 844.1  | 829.4  | 825.7  | 818.3  | 814.6  | 814.6  | 810.8  | 810.8  | 807.2  | 810.8  | 810.8  |
| 55°   | 736.8  | 725.7  | 718.2  | 710.9  | 707.1  | 707.1  | 707.1  | 703.5  | 699.8  | 707.1  | 710.9  |
| 57.5° | 640.5  | 636.9  | 629.4  | 618.3  | 614.7  | 610.9  | 607.2  | 607.2  | 607.2  | 607.2  | 610.9  |
| 60°   | 555.4  | 547.9  | 540.5  | 529.4  | 529.4  | 525.7  | 522.1  | 518.3  | 518.3  | 518.3  | 518.3  |
| 62.5° | 481.3  | 470.2  | 459.1  | 451.7  | 448.0  | 444.3  | 440.6  | 433.2  | 433.2  | 433.2  | 433.2  |
| 65°   | 407.3  | 396.2  | 388.8  | 381.3  | 374.0  | 374.0  | 366.6  | 362.9  | 355.5  | 351.8  | 344.4  |
| 67.5° | 336.9  | 329.5  | 322.1  | 311.0  | 307.3  | 303.6  | 296.2  | 292.5  | 281.4  | 277.6  | 274.0  |
| 70°   | 274.0  | 262.9  | 255.4  | 248.1  | 244.3  | 237.0  | 229.6  | 222.1  | 214.7  | 207.4  | 199.9  |
| 72.5° | 214.7  | 203.6  | 196.3  | 188.8  | 181.4  | 181.4  | 170.3  | 163.0  | 151.9  | 144.4  | 133.3  |
| 75°   | 159.2  | 148.1  | 140.7  | 129.6  | 125.9  | 122.2  | 111.1  | 103.7  | 92.6   | 81.5   | 74.0   |
| 77.5° | 107.3  | 99.9   | 92.6   | 81.5   | 74.0   | 74.0   | 62.9   | 55.5   | 48.2   | 37.1   | 33.3   |
| 80°   | 66.6   | 59.3   | 51.8   | 44.4   | 44.4   | 37.1   | 33.3   | 26.0   | 18.5   | 14.8   | 11.1   |
| 82.5° | 37.1   | 33.3   | 29.6   | 22.2   | 22.2   | 18.5   | 14.8   | 11.1   | 7.4    | 3.7    | 3.7    |
| 85°   | 18.5   | 14.8   | 11.1   | 11.1   | 7.4    | 7.4    | 7.4    | 3.7    | 3.7    | 0.0    | 0.0    |
| 87.5° | 7.4    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 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: P584905

CATALOG NUMBER: HCC8W50D010SL-HM82555940-81RWWC

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 |
| 2.5°  | 2765.7 | 2765.7 | 2762.0 | 2762.0 | 2762.0 | 2758.4 | 2762.0 | 2758.4 | 2758.4 | 2758.4 | 2762.0 |
| 5°    | 2750.9 | 2743.5 | 2743.5 | 2739.8 | 2739.8 | 2736.2 | 2739.8 | 2736.2 | 2732.4 | 2728.7 | 2732.4 |
| 7.5°  | 2721.3 | 2714.0 | 2710.2 | 2706.5 | 2706.5 | 2706.5 | 2702.8 | 2699.1 | 2702.8 | 2691.7 | 2699.1 |
| 10°   | 2680.6 | 2676.9 | 2669.5 | 2665.8 | 2662.0 | 2665.8 | 2662.0 | 2654.7 | 2654.7 | 2654.7 | 2650.9 |
| 12.5° | 2628.7 | 2621.4 | 2617.6 | 2614.0 | 2606.5 | 2606.5 | 2610.3 | 2602.9 | 2602.9 | 2595.4 | 2595.4 |
| 15°   | 2565.8 | 2558.5 | 2551.0 | 2551.0 | 2543.6 | 2543.6 | 2539.9 | 2539.9 | 2536.1 | 2532.5 | 2532.5 |
| 17.5° | 2488.1 | 2477.0 | 2469.5 | 2473.3 | 2469.5 | 2465.9 | 2465.9 | 2458.4 | 2454.8 | 2458.4 | 2458.4 |
| 20°   | 2395.5 | 2388.2 | 2380.7 | 2384.4 | 2377.0 | 2373.3 | 2377.0 | 2365.9 | 2369.6 | 2369.6 | 2369.6 |
| 22.5° | 2291.8 | 2288.1 | 2277.0 | 2277.0 | 2269.6 | 2265.9 | 2269.6 | 2269.6 | 2273.4 | 2269.6 | 2269.6 |
| 25°   | 2177.0 | 2169.7 | 2162.3 | 2162.3 | 2158.6 | 2154.8 | 2158.6 | 2162.3 | 2158.6 | 2162.3 | 2162.3 |
| 27.5° | 2054.9 | 2043.8 | 2043.8 | 2036.4 | 2036.4 | 2040.0 | 2036.4 | 2040.0 | 2043.8 | 2043.8 | 2051.1 |
| 30°   | 1921.6 | 1917.9 | 1914.2 | 1910.5 | 1910.5 | 1914.2 | 1914.2 | 1914.2 | 1917.9 | 1925.3 | 1925.3 |
| 32.5° | 1795.7 | 1788.3 | 1780.9 | 1780.9 | 1788.3 | 1784.6 | 1788.3 | 1788.3 | 1795.7 | 1795.7 | 1803.1 |
| 35°   | 1658.7 | 1658.7 | 1651.3 | 1655.0 | 1655.0 | 1655.0 | 1655.0 | 1662.4 | 1669.8 | 1673.5 | 1680.9 |
| 37.5° | 1532.8 | 1521.7 | 1525.4 | 1525.4 | 1529.2 | 1525.4 | 1536.5 | 1536.5 | 1543.9 | 1543.9 | 1551.4 |
| 40°   | 1395.8 | 1395.8 | 1399.5 | 1395.8 | 1399.5 | 1399.5 | 1406.9 | 1414.4 | 1418.0 | 1425.5 | 1429.1 |
| 42.5° | 1266.3 | 1273.6 | 1266.3 | 1270.0 | 1273.6 | 1277.4 | 1281.1 | 1284.7 | 1299.6 | 1306.9 | 1318.0 |
| 45°   | 1147.7 | 1151.5 | 1155.2 | 1158.8 | 1155.2 | 1162.6 | 1166.3 | 1173.7 | 1184.8 | 1188.5 | 1192.1 |
| 47.5° | 1033.0 | 1036.7 | 1040.4 | 1044.2 | 1044.2 | 1051.5 | 1055.3 | 1062.6 | 1070.0 | 1073.7 | 1077.5 |
| 50°   | 921.9  | 929.4  | 933.0  | 933.0  | 936.7  | 944.1  | 951.6  | 951.6  | 958.9  | 970.0  | 973.8  |
| 52.5° | 821.9  | 821.9  | 829.4  | 833.0  | 836.8  | 836.8  | 847.9  | 851.6  | 855.2  | 862.7  | 870.1  |
| 55°   | 710.9  | 722.0  | 725.7  | 725.7  | 733.1  | 740.4  | 744.2  | 747.9  | 747.9  | 762.7  | 762.7  |
| 57.5° | 614.7  | 618.3  | 625.8  | 625.8  | 625.8  | 636.9  | 636.9  | 644.2  | 648.0  | 651.6  | 659.1  |
| 60°   | 518.3  | 525.7  | 525.7  | 529.4  | 525.7  | 533.2  | 536.8  | 544.3  | 547.9  | 551.7  | 555.4  |
| 62.5° | 429.5  | 429.5  | 433.2  | 433.2  | 433.2  | 433.2  | 440.6  | 440.6  | 448.0  | 451.7  | 455.4  |
| 65°   | 344.4  | 344.4  | 344.4  | 344.4  | 344.4  | 344.4  | 344.4  | 344.4  | 348.0  | 348.0  | 355.5  |
| 67.5° | 266.5  | 262.9  | 255.4  | 259.2  | 255.4  | 255.4  | 251.8  | 251.8  | 255.4  | 255.4  | 262.9  |
| 70°   | 192.5  | 188.8  | 181.4  | 181.4  | 177.7  | 174.1  | 170.3  | 166.6  | 163.0  | 163.0  | 163.0  |
| 72.5° | 125.9  | 118.5  | 107.3  | 103.7  | 103.7  | 96.2   | 88.8   | 85.1   | 85.1   | 85.1   | 85.1   |
| 75°   | 62.9   | 55.5   | 48.2   | 44.4   | 44.4   | 37.1   | 40.7   | 37.1   | 37.1   | 37.1   | 37.1   |
| 77.5° | 26.0   | 18.5   | 14.8   | 14.8   | 14.8   | 11.1   | 11.1   | 11.1   | 11.1   | 11.1   | 11.1   |
| 80°   | 7.4    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    |
| 82.5° | 3.7    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 | 2773.2 |
| 2.5°  | 2758.4 | 2758.4 | 2750.9 | 2754.6 | 2754.6 | 2754.6 | 2754.6 | 2754.6 |
| 5°    | 2725.1 | 2728.7 | 2725.1 | 2728.7 | 2728.7 | 2725.1 | 2725.1 | 2725.1 |
| 7.5°  | 2691.7 | 2695.4 | 2691.7 | 2695.4 | 2695.4 | 2695.4 | 2691.7 | 2691.7 |
| 10°   | 2650.9 | 2650.9 | 2650.9 | 2650.9 | 2650.9 | 2647.3 | 2650.9 | 2650.9 |
| 12.5° | 2595.4 | 2595.4 | 2595.4 | 2599.2 | 2599.2 | 2595.4 | 2595.4 | 2591.8 |
| 15°   | 2536.1 | 2528.8 | 2532.5 | 2536.1 | 2532.5 | 2532.5 | 2532.5 | 2532.5 |
| 17.5° | 2454.8 | 2458.4 | 2454.8 | 2454.8 | 2454.8 | 2454.8 | 2458.4 | 2454.8 |
| 20°   | 2369.6 | 2369.6 | 2373.3 | 2369.6 | 2369.6 | 2369.6 | 2369.6 | 2365.9 |
| 22.5° | 2273.4 | 2269.6 | 2269.6 | 2273.4 | 2273.4 | 2269.6 | 2273.4 | 2273.4 |
| 25°   | 2165.9 | 2169.7 | 2165.9 | 2165.9 | 2169.7 | 2169.7 | 2169.7 | 2165.9 |
| 27.5° | 2051.1 | 2054.9 | 2058.6 | 2054.9 | 2054.9 | 2054.9 | 2058.6 | 2062.2 |
| 30°   | 1932.7 | 1940.1 | 1932.7 | 1932.7 | 1940.1 | 1936.4 | 1940.1 | 1940.1 |
| 32.5° | 1806.8 | 1817.9 | 1810.5 | 1817.9 | 1817.9 | 1821.7 | 1817.9 | 1821.7 |
| 35°   | 1680.9 | 1692.0 | 1692.0 | 1692.0 | 1695.8 | 1699.5 | 1699.5 | 1695.8 |
| 37.5° | 1562.5 | 1566.1 | 1566.1 | 1573.6 | 1577.2 | 1581.0 | 1581.0 | 1577.2 |
| 40°   | 1440.2 | 1447.7 | 1451.4 | 1451.4 | 1451.4 | 1458.8 | 1466.2 | 1458.8 |
| 42.5° | 1321.8 | 1325.5 | 1329.2 | 1329.2 | 1336.6 | 1340.3 | 1344.0 | 1344.0 |
| 45°   | 1207.0 | 1214.4 | 1218.1 | 1221.8 | 1225.6 | 1232.9 | 1229.2 | 1236.7 |
| 47.5° | 1088.6 | 1099.7 | 1103.3 | 1107.0 | 1114.4 | 1118.1 | 1121.9 | 1125.5 |
| 50°   | 981.1  | 988.5  | 988.5  | 996.0  | 1007.1 | 1007.1 | 1014.5 | 1018.2 |
| 52.5° | 873.8  | 877.5  | 881.2  | 884.9  | 892.3  | 899.7  | 899.7  | 907.1  |
| 55°   | 770.1  | 773.8  | 773.8  | 777.5  | 781.2  | 796.1  | 799.7  | 799.7  |
| 57.5° | 662.7  | 662.7  | 670.2  | 673.8  | 677.6  | 684.9  | 684.9  | 684.9  |
| 60°   | 559.1  | 562.8  | 562.8  | 566.5  | 570.2  | 577.6  | 581.3  | 577.6  |
| 62.5° | 455.4  | 459.1  | 459.1  | 462.8  | 470.2  | 473.9  | 470.2  | 470.2  |
| 65°   | 359.1  | 362.9  | 362.9  | 366.6  | 374.0  | 374.0  | 370.2  | 374.0  |
| 67.5° | 262.9  | 262.9  | 262.9  | 262.9  | 262.9  | 262.9  | 262.9  | 262.9  |
| 70°   | 166.6  | 163.0  | 159.2  | 163.0  | 163.0  | 163.0  | 159.2  | 166.6  |
| 72.5° | 81.5   | 85.1   | 85.1   | 85.1   | 85.1   | 85.1   | 85.1   | 81.5   |
| 75°   | 37.1   | 37.1   | 33.3   | 33.3   | 33.3   | 37.1   | 37.1   | 33.3   |
| 77.5° | 11.1   | 11.1   | 11.1   | 11.1   | 11.1   | 11.1   | 11.1   | 11.1   |
| 80°   | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    |
| 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



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Scaled Data Report



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

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Scaled Data Report



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