

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: P583898

Luminaire Tested: **HCC8W15D010SL-HM80520840-81WWWB**

Issue Date: 10/21/2021

### Test Information

Test Method: LM-41-14  
 Report Number: P583898  
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-18)  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Issue Date: 10/21/2021  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: HALO COMMERCIAL  
 Catalog Number: HCC8W15D010SL-HM80520840-81WWWB  
 Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
 Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER  
 Ballast/Driver: ELECTRONIC DRIVER

### Summary

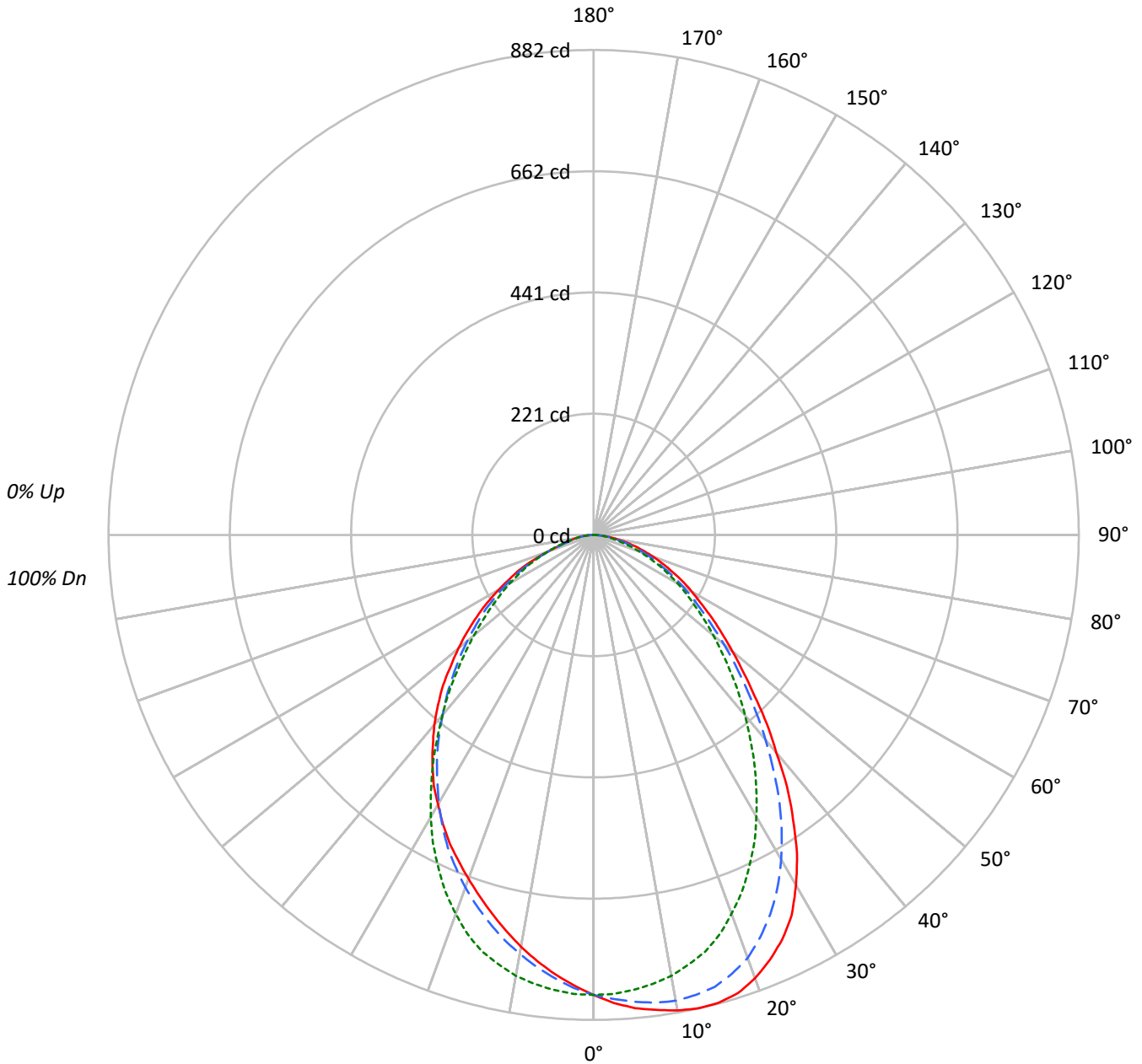
Lumens per Lamp: N/A  
 Luminaire Lumens: 1682.7 lumens  
 Efficiency: N/A  
 Efficacy: 120.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18  
 Luminous Opening: Circular (Dia: 0.67' x H: 0')  
 CIE Type: Direct

Input Watts (W): 14  
 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: P583898  
CATALOG NUMBER: HCC8W15D010SL-HM80520840-81WWWB

### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P583898

CATALOG NUMBER: HCC8W15D010SL-HM80520840-81WWWB

**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 | 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  | 92  | 91  | 89  | 87  |    |    |    |    |    |   |  |   |
| 2   | 102 | 94  | 88  | 83  | 99  | 93  | 87  | 82  | 89  | 85  | 81  | 86  | 82  | 79  | 83  | 80  | 77  | 75  |    |    |    |    |    |   |  |   |
| 3   | 94  | 84  | 77  | 71  | 91  | 83  | 76  | 71  | 80  | 74  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 65  |    |    |    |    |    |   |  |   |
| 4   | 87  | 76  | 68  | 62  | 84  | 75  | 67  | 61  | 72  | 66  | 61  | 70  | 64  | 60  | 68  | 63  | 59  | 57  |    |    |    |    |    |   |  |   |
| 5   | 80  | 69  | 60  | 54  | 78  | 67  | 60  | 54  | 65  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 52  | 50  |    |    |    |    |    |   |  |   |
| 6   | 75  | 62  | 54  | 48  | 73  | 61  | 54  | 48  | 60  | 53  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 45  |    |    |    |    |    |   |  |   |
| 7   | 70  | 57  | 49  | 43  | 68  | 56  | 49  | 43  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 42  | 40  |    |    |    |    |    |   |  |   |
| 8   | 65  | 52  | 45  | 39  | 64  | 52  | 44  | 39  | 51  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 38  | 37  |    |    |    |    |    |   |  |   |
| 9   | 61  | 48  | 41  | 36  | 60  | 48  | 41  | 36  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |    |    |    |   |  |   |
| 10  | 57  | 45  | 38  | 33  | 56  | 44  | 37  | 33  | 44  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 30  |    |    |    |    |    |   |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 25798 | 25798 | 25798 |
| 5°  | 26744 | 25714 | 24831 |
| 10° | 27498 | 25491 | 23816 |
| 15° | 28112 | 25038 | 22765 |
| 20° | 28159 | 24060 | 21839 |
| 25° | 27617 | 22725 | 21064 |
| 30° | 26196 | 21076 | 20143 |
| 35° | 23802 | 19191 | 19236 |
| 40° | 20807 | 17225 | 18130 |
| 45° | 18037 | 15337 | 16894 |
| 50° | 15793 | 13624 | 15394 |
| 55° | 14059 | 12075 | 13930 |
| 60° | 12680 | 10848 | 12242 |
| 65° | 11448 | 9537  | 10667 |
| 70° | 10287 | 8042  | 7934  |
| 75° | 9055  | 6374  | 5945  |
| 80° | 7600  | 5292  | 5700  |
| 85° | 5873  | 4599  | 5024  |



TEST NUMBER: P583898  
 CATALOG NUMBER: HCC8W15D010SL-HM80520840-81WWWB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 78.9   | 4.7       |
| 10°-20°   | 222.3  | 13.2      |
| 20°-30°   | 317.7  | 18.9      |
| 30°-40°   | 337.6  | 20.1      |
| 40°-50°   | 290.6  | 17.3      |
| 50°-60°   | 217.3  | 12.9      |
| 60°-70°   | 138.6  | 8.2       |
| 70°-80°   | 63.1   | 3.7       |
| 80°-90°   | 16.5   | 1.0       |
| 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°    | 618.9  | 36.8      |
| 0°-40°    | 956.5  | 56.8      |
| 0°-60°    | 1464.5 | 87.0      |
| 0°-90°    | 1682.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1682.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 837 | 837 | 837 | 837  | 837  |      |
| 5°  | 864 | 852 | 831 | 809  | 802  | 83   |
| 15° | 881 | 851 | 784 | 731  | 713  | 248  |
| 25° | 812 | 761 | 668 | 627  | 619  | 372  |
| 35° | 632 | 588 | 510 | 497  | 511  | 394  |
| 45° | 414 | 391 | 352 | 361  | 387  | 321  |
| 55° | 262 | 240 | 225 | 244  | 259  | 235  |
| 65° | 157 | 139 | 131 | 137  | 146  | 156  |
| 75° | 76  | 65  | 54  | 49   | 50   | 81   |
| 85° | 17  | 14  | 13  | 14   | 14   | 20   |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P583898

CATALOG NUMBER: HCC8W15D010SL-HM80520840-81WWWB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5°  | 852.1 | 849.8 | 851.0 | 849.8 | 851.0 | 851.0 | 848.6 | 848.6 | 848.6 | 848.6 | 844.9 |
| 5°    | 864.0 | 862.8 | 862.8 | 861.6 | 860.4 | 861.6 | 860.4 | 859.3 | 856.9 | 855.7 | 852.1 |
| 7.5°  | 871.1 | 871.1 | 871.1 | 871.1 | 869.9 | 868.8 | 867.6 | 865.2 | 862.8 | 860.4 | 858.1 |
| 10°   | 878.2 | 879.4 | 878.2 | 877.1 | 875.9 | 873.5 | 872.3 | 869.9 | 866.4 | 862.8 | 860.4 |
| 12.5° | 881.8 | 881.8 | 880.6 | 880.6 | 878.2 | 877.1 | 873.5 | 869.9 | 866.4 | 862.8 | 856.9 |
| 15°   | 880.6 | 880.6 | 879.4 | 878.2 | 874.7 | 873.5 | 871.1 | 867.6 | 861.6 | 856.9 | 851.0 |
| 17.5° | 873.5 | 872.3 | 869.9 | 869.9 | 865.2 | 864.0 | 861.6 | 856.9 | 851.0 | 843.7 | 836.6 |
| 20°   | 858.1 | 858.1 | 856.9 | 855.7 | 851.0 | 847.4 | 844.9 | 839.0 | 834.3 | 825.9 | 818.8 |
| 22.5° | 836.6 | 839.0 | 836.6 | 834.3 | 828.3 | 827.1 | 823.6 | 816.5 | 809.3 | 799.8 | 791.4 |
| 25°   | 811.7 | 810.5 | 809.3 | 807.0 | 802.2 | 799.8 | 795.1 | 787.9 | 780.8 | 770.1 | 760.6 |
| 27.5° | 779.6 | 774.8 | 774.8 | 770.1 | 766.5 | 763.0 | 760.6 | 753.5 | 744.0 | 735.7 | 723.7 |
| 30°   | 735.7 | 736.9 | 730.8 | 729.7 | 723.7 | 721.4 | 716.6 | 709.5 | 701.2 | 691.7 | 682.2 |
| 32.5° | 688.1 | 684.6 | 684.6 | 679.7 | 675.0 | 671.4 | 670.2 | 661.9 | 654.8 | 645.3 | 635.8 |
| 35°   | 632.3 | 632.3 | 628.6 | 627.4 | 622.7 | 620.3 | 616.8 | 612.0 | 603.7 | 595.4 | 588.3 |
| 37.5° | 577.6 | 575.1 | 574.1 | 571.7 | 568.0 | 564.5 | 564.5 | 556.2 | 555.0 | 545.5 | 536.0 |
| 40°   | 516.9 | 519.4 | 516.9 | 513.5 | 512.2 | 509.8 | 508.6 | 503.9 | 500.3 | 492.0 | 486.1 |
| 42.5° | 465.9 | 463.4 | 463.4 | 462.4 | 457.5 | 457.5 | 455.1 | 452.8 | 446.8 | 444.5 | 437.3 |
| 45°   | 413.6 | 416.0 | 412.4 | 413.6 | 408.9 | 408.9 | 408.9 | 404.0 | 399.3 | 395.7 | 391.0 |
| 47.5° | 368.4 | 369.6 | 369.6 | 366.1 | 364.9 | 364.9 | 362.5 | 360.1 | 356.6 | 351.7 | 348.2 |
| 50°   | 329.2 | 330.4 | 328.0 | 326.8 | 324.4 | 323.3 | 323.3 | 318.5 | 316.1 | 311.4 | 309.0 |
| 52.5° | 293.5 | 293.5 | 292.3 | 292.3 | 288.8 | 288.8 | 286.4 | 282.8 | 280.5 | 278.1 | 272.2 |
| 55°   | 261.5 | 261.5 | 260.3 | 259.1 | 259.1 | 255.5 | 254.4 | 250.8 | 248.4 | 243.7 | 240.0 |
| 57.5° | 230.5 | 231.7 | 230.5 | 229.3 | 228.2 | 227.0 | 224.6 | 221.0 | 218.7 | 215.1 | 212.7 |
| 60°   | 205.6 | 205.6 | 204.4 | 203.2 | 200.9 | 199.7 | 198.5 | 196.1 | 192.6 | 190.1 | 186.5 |
| 62.5° | 181.8 | 180.6 | 179.4 | 178.2 | 175.9 | 175.9 | 173.5 | 171.1 | 167.6 | 165.2 | 162.8 |
| 65°   | 156.9 | 156.9 | 155.7 | 155.7 | 154.5 | 152.1 | 151.0 | 149.8 | 145.0 | 143.8 | 139.1 |
| 67.5° | 134.2 | 135.4 | 133.2 | 133.2 | 130.7 | 130.7 | 129.5 | 125.9 | 124.8 | 122.4 | 120.0 |
| 70°   | 114.1 | 114.1 | 114.1 | 112.9 | 110.5 | 109.3 | 108.1 | 105.8 | 104.6 | 102.2 | 99.8  |
| 72.5° | 93.9  | 93.9  | 92.7  | 92.7  | 91.5  | 90.4  | 89.2  | 86.8  | 86.8  | 84.4  | 82.1  |
| 75°   | 76.0  | 76.0  | 74.8  | 73.6  | 72.5  | 72.5  | 71.3  | 70.1  | 67.7  | 66.5  | 65.3  |
| 77.5° | 58.2  | 58.2  | 58.2  | 57.0  | 55.9  | 55.9  | 55.9  | 53.5  | 51.1  | 51.1  | 49.9  |
| 80°   | 42.8  | 42.8  | 41.6  | 41.6  | 40.4  | 40.4  | 40.4  | 39.2  | 38.1  | 36.9  | 35.7  |
| 82.5° | 28.6  | 28.6  | 28.6  | 28.6  | 27.4  | 27.4  | 27.4  | 26.1  | 24.9  | 24.9  | 24.9  |
| 85°   | 16.6  | 16.6  | 16.6  | 16.6  | 15.4  | 15.4  | 15.4  | 15.4  | 15.4  | 14.2  | 14.2  |
| 87.5° | 7.1   | 5.9   | 7.1   | 5.9   | 7.1   | 5.9   | 7.1   | 5.9   | 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   |

Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P583898

CATALOG NUMBER: HCC8W15D010SL-HM80520840-81WWWB

**CANDELA DISTRIBUTION (continued):**

|       | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5°  | 846.2 | 844.9 | 843.7 | 842.7 | 842.7 | 841.5 | 839.0 | 837.8 | 836.6 | 835.4 | 835.4 |
| 5°    | 851.0 | 849.8 | 847.4 | 844.9 | 843.7 | 841.5 | 839.0 | 836.6 | 834.3 | 830.7 | 829.5 |
| 7.5°  | 854.5 | 851.0 | 848.6 | 843.7 | 842.7 | 840.2 | 836.6 | 833.1 | 828.3 | 823.6 | 820.0 |
| 10°   | 854.5 | 849.8 | 846.2 | 840.2 | 837.8 | 835.4 | 830.7 | 824.8 | 818.8 | 814.1 | 808.2 |
| 12.5° | 852.1 | 846.2 | 840.2 | 834.3 | 830.7 | 827.1 | 820.0 | 814.1 | 807.0 | 799.8 | 795.1 |
| 15°   | 843.7 | 836.6 | 829.5 | 822.4 | 818.8 | 814.1 | 807.0 | 798.7 | 791.4 | 784.3 | 776.0 |
| 17.5° | 828.3 | 821.2 | 812.9 | 804.6 | 799.8 | 796.3 | 785.5 | 779.6 | 768.9 | 761.8 | 754.7 |
| 20°   | 808.2 | 799.8 | 789.2 | 780.8 | 774.8 | 771.3 | 763.0 | 752.3 | 744.0 | 733.2 | 726.1 |
| 22.5° | 782.0 | 771.3 | 760.6 | 752.3 | 746.4 | 741.6 | 730.8 | 720.2 | 713.1 | 703.6 | 695.3 |
| 25°   | 751.1 | 740.4 | 729.7 | 717.8 | 711.9 | 707.1 | 697.6 | 688.1 | 678.7 | 667.9 | 660.8 |
| 27.5° | 714.2 | 702.4 | 692.9 | 682.2 | 676.2 | 669.1 | 658.4 | 648.9 | 639.4 | 632.3 | 622.7 |
| 30°   | 673.8 | 660.8 | 651.3 | 640.6 | 634.7 | 628.6 | 618.0 | 608.5 | 600.2 | 591.9 | 587.1 |
| 32.5° | 625.2 | 615.6 | 606.1 | 595.4 | 590.7 | 587.1 | 576.4 | 566.8 | 557.4 | 550.2 | 546.7 |
| 35°   | 578.8 | 568.0 | 559.7 | 550.2 | 544.3 | 540.7 | 531.3 | 523.0 | 518.2 | 509.8 | 505.1 |
| 37.5° | 530.1 | 521.8 | 512.2 | 502.7 | 499.1 | 495.6 | 488.5 | 480.1 | 473.0 | 467.1 | 464.6 |
| 40°   | 479.0 | 471.8 | 463.4 | 457.5 | 453.9 | 450.4 | 444.5 | 438.5 | 433.8 | 427.9 | 425.5 |
| 42.5° | 430.2 | 425.5 | 418.4 | 411.1 | 407.7 | 406.4 | 399.3 | 394.5 | 392.2 | 389.8 | 387.4 |
| 45°   | 386.2 | 379.1 | 374.4 | 369.6 | 366.1 | 363.7 | 360.1 | 356.6 | 354.1 | 351.7 | 349.5 |
| 47.5° | 343.4 | 337.5 | 332.8 | 329.2 | 325.6 | 324.4 | 322.1 | 318.5 | 316.1 | 316.1 | 316.1 |
| 50°   | 304.3 | 299.4 | 294.7 | 292.3 | 291.1 | 288.8 | 286.4 | 285.2 | 284.0 | 284.0 | 284.0 |
| 52.5° | 269.8 | 265.0 | 261.5 | 259.1 | 259.1 | 256.7 | 254.4 | 253.2 | 253.2 | 253.2 | 253.2 |
| 55°   | 237.7 | 234.1 | 231.7 | 229.3 | 227.0 | 225.8 | 225.8 | 225.8 | 224.6 | 224.6 | 225.8 |
| 57.5° | 209.2 | 206.8 | 203.2 | 200.9 | 199.7 | 199.7 | 198.5 | 197.3 | 198.5 | 199.7 | 200.9 |
| 60°   | 183.0 | 180.6 | 179.4 | 175.9 | 175.9 | 175.9 | 174.7 | 174.7 | 174.7 | 175.9 | 177.1 |
| 62.5° | 159.3 | 158.1 | 155.7 | 154.5 | 153.3 | 153.3 | 152.1 | 152.1 | 152.1 | 152.1 | 153.3 |
| 65°   | 137.9 | 135.4 | 133.2 | 133.2 | 133.2 | 131.9 | 131.9 | 129.5 | 130.7 | 130.7 | 129.5 |
| 67.5° | 117.6 | 115.3 | 114.1 | 112.9 | 111.7 | 111.7 | 110.5 | 109.3 | 108.1 | 108.1 | 108.1 |
| 70°   | 98.7  | 96.3  | 96.3  | 93.9  | 93.9  | 92.7  | 91.5  | 91.5  | 90.4  | 89.2  | 88.0  |
| 72.5° | 79.7  | 78.4  | 77.2  | 76.0  | 76.0  | 76.0  | 74.8  | 73.6  | 72.5  | 71.3  | 68.9  |
| 75°   | 63.0  | 63.0  | 60.6  | 59.4  | 59.4  | 58.2  | 57.0  | 55.9  | 54.7  | 53.5  | 52.3  |
| 77.5° | 48.7  | 47.6  | 45.2  | 44.0  | 44.0  | 44.0  | 42.8  | 41.6  | 40.4  | 39.2  | 38.1  |
| 80°   | 35.7  | 34.5  | 33.3  | 32.1  | 32.1  | 32.1  | 30.8  | 30.8  | 29.8  | 29.8  | 29.8  |
| 82.5° | 23.7  | 23.7  | 22.5  | 22.5  | 22.5  | 22.5  | 21.4  | 21.4  | 21.4  | 21.4  | 21.4  |
| 85°   | 14.2  | 14.2  | 13.0  | 13.0  | 13.0  | 13.0  | 13.0  | 13.0  | 13.0  | 13.0  | 13.0  |
| 87.5° | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 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   |

Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P583898

CATALOG NUMBER: HCC8W15D010SL-HM80520840-81WWWB

**CANDELA DISTRIBUTION (continued):**

|       | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 836.6 | 836.6 | 836.6 | 836.6  | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5°  | 833.1 | 833.1 | 830.7 | 829.5  | 828.3 | 829.5 | 827.1 | 825.9 | 824.8 | 824.8 | 823.6 |
| 5°    | 825.9 | 824.8 | 820.0 | 818.8  | 817.6 | 816.5 | 814.1 | 811.7 | 809.3 | 808.2 | 807.0 |
| 7.5°  | 816.5 | 812.9 | 808.2 | 807.0  | 805.8 | 802.2 | 798.7 | 796.3 | 792.6 | 791.4 | 789.2 |
| 10°   | 803.4 | 798.7 | 795.1 | 791.4  | 789.2 | 785.5 | 782.0 | 778.4 | 773.7 | 772.5 | 768.9 |
| 12.5° | 787.9 | 782.0 | 774.8 | 773.7  | 770.1 | 765.3 | 760.6 | 757.0 | 753.5 | 751.1 | 747.6 |
| 15°   | 768.9 | 763.0 | 755.9 | 752.3  | 748.7 | 745.2 | 739.1 | 734.4 | 730.8 | 727.3 | 723.7 |
| 17.5° | 746.4 | 739.1 | 733.2 | 729.7  | 727.3 | 721.4 | 716.6 | 710.7 | 707.1 | 703.6 | 700.0 |
| 20°   | 719.0 | 713.1 | 704.7 | 701.2  | 700.0 | 695.3 | 689.3 | 687.0 | 682.2 | 678.7 | 676.2 |
| 22.5° | 688.1 | 682.2 | 675.0 | 672.6  | 667.9 | 665.5 | 659.6 | 657.2 | 654.8 | 651.3 | 650.1 |
| 25°   | 653.6 | 647.7 | 641.8 | 640.6  | 637.0 | 634.7 | 631.1 | 627.4 | 627.4 | 623.9 | 623.9 |
| 27.5° | 618.0 | 612.0 | 607.3 | 604.9  | 603.7 | 601.3 | 597.8 | 596.6 | 595.4 | 594.2 | 594.2 |
| 30°   | 580.0 | 572.9 | 570.4 | 569.2  | 568.0 | 565.7 | 564.5 | 562.1 | 563.3 | 564.5 | 563.3 |
| 32.5° | 539.6 | 537.2 | 532.4 | 530.1  | 531.3 | 530.1 | 527.7 | 530.1 | 528.9 | 531.3 | 532.4 |
| 35°   | 500.3 | 497.9 | 495.6 | 495.6  | 493.2 | 493.2 | 493.2 | 494.4 | 496.8 | 497.9 | 500.3 |
| 37.5° | 462.4 | 458.7 | 457.5 | 456.3  | 457.5 | 457.5 | 457.5 | 459.9 | 462.4 | 464.6 | 468.3 |
| 40°   | 421.9 | 419.5 | 419.5 | 419.5  | 419.5 | 423.1 | 421.9 | 424.3 | 426.7 | 430.2 | 433.8 |
| 42.5° | 383.9 | 383.9 | 385.0 | 385.0  | 385.0 | 385.0 | 387.4 | 391.0 | 394.5 | 398.1 | 401.7 |
| 45°   | 348.2 | 348.2 | 348.2 | 350.5  | 350.5 | 351.7 | 356.6 | 358.8 | 361.3 | 364.9 | 368.4 |
| 47.5° | 315.0 | 315.0 | 316.1 | 317.3  | 318.5 | 320.9 | 323.3 | 326.8 | 330.4 | 332.8 | 336.3 |
| 50°   | 284.0 | 285.2 | 287.6 | 289.9  | 289.9 | 291.1 | 294.7 | 297.2 | 299.4 | 303.1 | 304.3 |
| 52.5° | 254.4 | 256.7 | 259.1 | 260.3  | 261.5 | 263.8 | 265.0 | 268.6 | 269.8 | 273.3 | 274.5 |
| 55°   | 227.0 | 228.2 | 231.7 | 232.9  | 232.9 | 235.3 | 237.7 | 240.0 | 243.7 | 243.7 | 246.1 |
| 57.5° | 202.1 | 203.2 | 205.6 | 206.8  | 205.6 | 209.2 | 210.4 | 212.7 | 213.9 | 216.3 | 217.5 |
| 60°   | 177.1 | 179.4 | 180.6 | 180.6  | 181.8 | 183.0 | 185.4 | 185.4 | 187.7 | 190.1 | 190.1 |
| 62.5° | 153.3 | 154.5 | 155.7 | 156.9  | 158.1 | 156.9 | 160.4 | 160.4 | 162.8 | 164.0 | 166.4 |
| 65°   | 130.7 | 131.9 | 131.9 | 133.2  | 133.2 | 134.2 | 134.2 | 135.4 | 136.6 | 139.1 | 140.3 |
| 67.5° | 108.1 | 108.1 | 108.1 | 109.3  | 108.1 | 109.3 | 109.3 | 110.5 | 110.5 | 112.9 | 114.1 |
| 70°   | 88.0  | 86.8  | 85.6  | 85.6   | 85.6  | 85.6  | 84.4  | 85.6  | 85.6  | 86.8  | 86.8  |
| 72.5° | 67.7  | 66.5  | 65.3  | 64.2   | 64.2  | 63.0  | 61.8  | 63.0  | 63.0  | 64.2  | 64.2  |
| 75°   | 51.1  | 48.7  | 48.7  | 48.7   | 47.6  | 47.6  | 47.6  | 48.7  | 48.7  | 48.7  | 49.9  |
| 77.5° | 38.1  | 38.1  | 36.9  | 36.9   | 36.9  | 38.1  | 38.1  | 39.2  | 39.2  | 39.2  | 39.2  |
| 80°   | 28.6  | 29.8  | 29.8  | 29.8   | 29.8  | 30.8  | 30.8  | 30.8  | 30.8  | 32.1  | 32.1  |
| 82.5° | 21.4  | 21.4  | 21.4  | 21.4   | 22.5  | 22.5  | 22.5  | 22.5  | 22.5  | 22.5  | 22.5  |
| 85°   | 13.0  | 14.2  | 14.2  | 13.0   | 14.2  | 14.2  | 14.2  | 14.2  | 14.2  | 14.2  | 14.2  |
| 87.5° | 5.9   | 5.9   | 5.9   | 5.9    | 5.9   | 5.9   | 5.9   | 5.9   | 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   |



Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P583898

CATALOG NUMBER: HCC8W15D010SL-HM80520840-81WWWB

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 836.6 | 836.6 | 836.6  | 836.6 | 836.6 | 836.6 | 836.6 | 836.6 |
| 2.5°  | 822.4 | 822.4 | 822.4  | 822.4 | 821.2 | 821.2 | 821.2 | 820.0 |
| 5°    | 804.6 | 804.6 | 804.6  | 802.2 | 803.4 | 803.4 | 801.0 | 802.2 |
| 7.5°  | 786.7 | 785.5 | 784.3  | 784.3 | 783.1 | 782.0 | 780.8 | 782.0 |
| 10°   | 766.5 | 763.0 | 763.0  | 761.8 | 761.8 | 759.4 | 759.4 | 760.6 |
| 12.5° | 744.0 | 741.6 | 741.6  | 740.4 | 739.1 | 738.1 | 736.9 | 736.9 |
| 15°   | 721.4 | 719.0 | 717.8  | 716.6 | 715.4 | 713.1 | 714.2 | 713.1 |
| 17.5° | 698.8 | 695.3 | 695.3  | 694.1 | 692.9 | 690.5 | 690.5 | 689.3 |
| 20°   | 672.6 | 671.4 | 669.1  | 670.2 | 669.1 | 666.7 | 665.5 | 665.5 |
| 22.5° | 646.5 | 646.5 | 645.3  | 645.3 | 644.1 | 643.0 | 641.8 | 641.8 |
| 25°   | 621.5 | 620.3 | 621.5  | 621.5 | 618.0 | 618.0 | 618.0 | 619.1 |
| 27.5° | 593.0 | 594.2 | 593.0  | 593.0 | 593.0 | 593.0 | 594.2 | 593.0 |
| 30°   | 564.5 | 564.5 | 564.5  | 565.7 | 568.0 | 566.8 | 566.8 | 565.7 |
| 32.5° | 533.6 | 534.8 | 534.8  | 536.0 | 537.2 | 539.6 | 539.6 | 540.7 |
| 35°   | 502.7 | 505.1 | 506.2  | 505.1 | 508.6 | 508.6 | 511.0 | 511.0 |
| 37.5° | 470.7 | 471.8 | 474.2  | 475.4 | 477.8 | 479.0 | 480.1 | 480.1 |
| 40°   | 436.2 | 440.9 | 442.1  | 443.3 | 446.8 | 446.8 | 448.0 | 450.4 |
| 42.5° | 404.0 | 408.9 | 410.1  | 411.1 | 413.6 | 417.2 | 416.0 | 418.4 |
| 45°   | 373.2 | 376.7 | 377.9  | 379.1 | 382.7 | 383.9 | 383.9 | 387.4 |
| 47.5° | 339.9 | 342.2 | 343.4  | 345.8 | 348.2 | 350.5 | 352.9 | 351.7 |
| 50°   | 306.7 | 310.2 | 312.6  | 313.8 | 317.3 | 318.5 | 319.7 | 320.9 |
| 52.5° | 276.9 | 279.3 | 280.5  | 281.6 | 285.2 | 286.4 | 287.6 | 289.9 |
| 55°   | 248.4 | 249.6 | 252.0  | 250.8 | 254.4 | 255.5 | 256.7 | 259.1 |
| 57.5° | 219.9 | 221.0 | 222.2  | 222.2 | 224.6 | 227.0 | 228.2 | 229.3 |
| 60°   | 192.6 | 194.8 | 196.1  | 196.1 | 196.1 | 198.5 | 198.5 | 198.5 |
| 62.5° | 167.6 | 167.6 | 168.7  | 168.7 | 171.1 | 171.1 | 171.1 | 171.1 |
| 65°   | 141.5 | 142.7 | 143.8  | 143.8 | 146.2 | 145.0 | 147.4 | 146.2 |
| 67.5° | 114.1 | 114.1 | 116.5  | 116.5 | 115.3 | 116.5 | 116.5 | 116.5 |
| 70°   | 86.8  | 86.8  | 88.0   | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  |
| 72.5° | 64.2  | 64.2  | 64.2   | 65.3  | 64.2  | 64.2  | 65.3  | 64.2  |
| 75°   | 49.9  | 49.9  | 49.9   | 49.9  | 49.9  | 49.9  | 49.9  | 49.9  |
| 77.5° | 39.2  | 39.2  | 40.4   | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  |
| 80°   | 32.1  | 32.1  | 32.1   | 32.1  | 33.3  | 32.1  | 32.1  | 32.1  |
| 82.5° | 23.7  | 22.5  | 23.7   | 22.5  | 23.7  | 23.7  | 23.7  | 23.7  |
| 85°   | 14.2  | 14.2  | 14.2   | 14.2  | 14.2  | 14.2  | 14.2  | 14.2  |
| 87.5° | 5.9   | 5.9   | 5.9    | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)