

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: P584183

Luminaire Tested: **HCC8W25D010BZ-HM82555927-81WWWB**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584183  
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: HCC8W25D010BZ-HM82555927-81WWWB  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

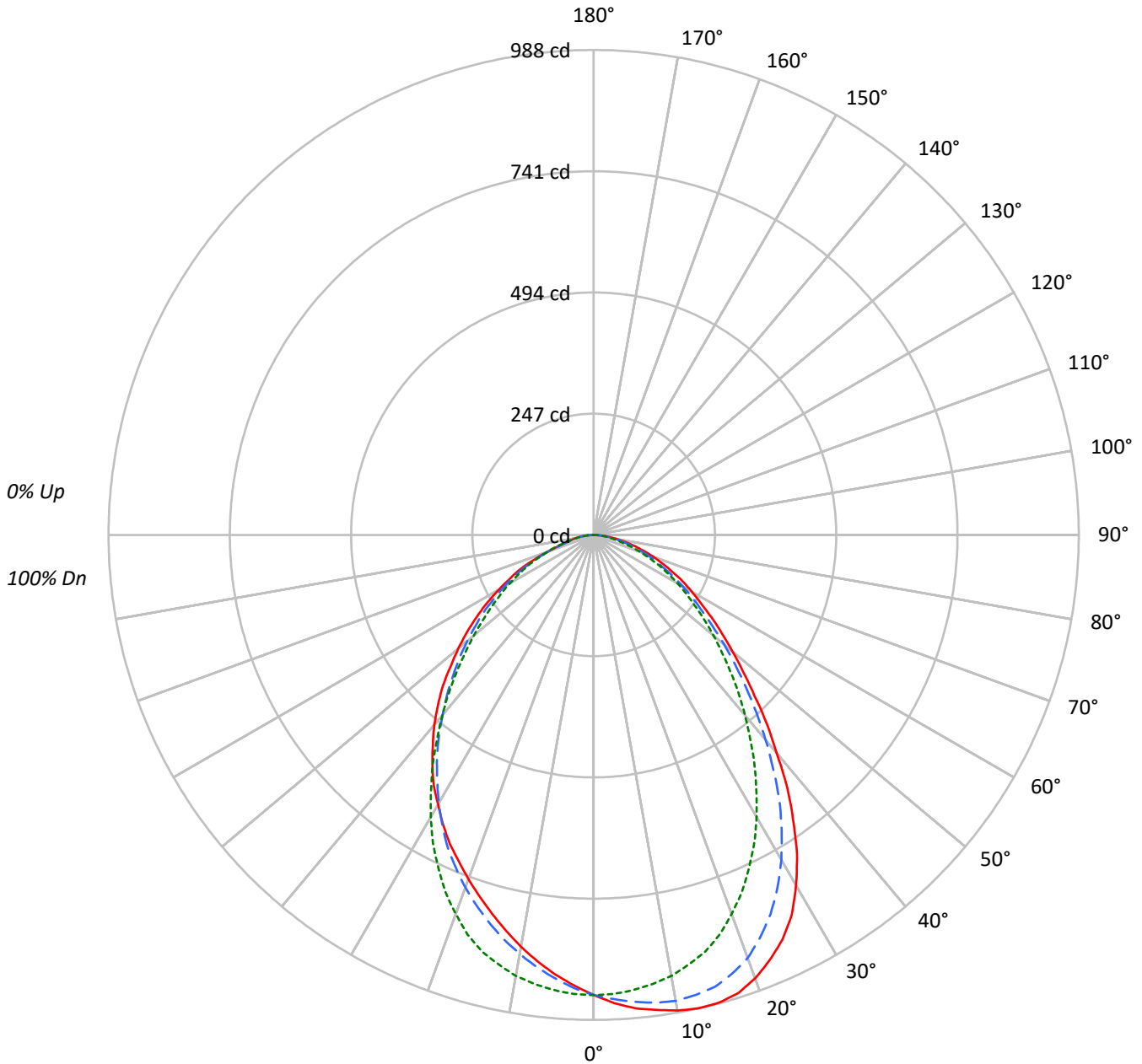
Lumens per Lamp: N/A  
Luminaire Lumens: 1885.3 lumens  
Efficiency: N/A  
Efficacy: 70.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
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: P584183  
CATALOG NUMBER: HCC8W25D010BZ-HM82555927-81WWWB

### 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 | 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   | 110 | 106 | 103 | 99  | 108 | 104 | 101 | 98  | 100 | 97  | 95  | 96  | 94  | 92  | 92  | 91  | 89  | 87  |    |    |    |    | 87  |   |  |   |
| 2   | 102 | 94  | 88  | 83  | 99  | 93  | 87  | 82  | 89  | 85  | 81  | 86  | 82  | 79  | 83  | 80  | 77  | 75  |    |    |    |    | 75  |   |  |   |
| 3   | 94  | 84  | 77  | 71  | 91  | 83  | 76  | 71  | 80  | 74  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 65  |    |    |    |    | 65  |   |  |   |
| 4   | 87  | 76  | 68  | 62  | 84  | 75  | 67  | 61  | 72  | 66  | 61  | 70  | 64  | 60  | 68  | 63  | 59  | 57  |    |    |    |    | 57  |   |  |   |
| 5   | 80  | 69  | 60  | 54  | 78  | 67  | 60  | 54  | 65  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 52  | 50  |    |    |    |    | 50  |   |  |   |
| 6   | 75  | 62  | 54  | 48  | 73  | 61  | 54  | 48  | 60  | 53  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 45  |    |    |    |    | 45  |   |  |   |
| 7   | 70  | 57  | 49  | 43  | 68  | 56  | 49  | 43  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 42  | 40  |    |    |    |    | 40  |   |  |   |
| 8   | 65  | 52  | 45  | 39  | 64  | 52  | 44  | 39  | 51  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 38  | 37  |    |    |    |    | 37  |   |  |   |
| 9   | 61  | 48  | 41  | 36  | 60  | 48  | 41  | 36  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |    |    | 33  |   |  |   |
| 10  | 57  | 45  | 38  | 33  | 56  | 44  | 37  | 33  | 44  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 30  |    |    |    |    | 30  |   |  |   |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 28906 | 28906 | 28906 |
| 5°  | 29964 | 28809 | 27822 |
| 10° | 30811 | 28560 | 26681 |
| 15° | 31496 | 28055 | 25504 |
| 20° | 31549 | 26958 | 24470 |
| 25° | 30942 | 25464 | 23603 |
| 30° | 29347 | 23611 | 22568 |
| 35° | 26663 | 21502 | 21555 |
| 40° | 23315 | 19298 | 20312 |
| 45° | 20208 | 17186 | 18931 |
| 50° | 17692 | 15265 | 17246 |
| 55° | 15752 | 13532 | 15607 |
| 60° | 14209 | 12156 | 13710 |
| 65° | 12827 | 10689 | 11952 |
| 70° | 11531 | 8998  | 8881  |
| 75° | 10151 | 7137  | 6672  |
| 80° | 8506  | 5913  | 6393  |
| 85° | 6581  | 5201  | 5626  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.4   | 4.7       |
| 10°-20°   | 249.1  | 13.2      |
| 20°-30°   | 356.0  | 18.9      |
| 30°-40°   | 378.2  | 20.1      |
| 40°-50°   | 325.6  | 17.3      |
| 50°-60°   | 243.5  | 12.9      |
| 60°-70°   | 155.3  | 8.2       |
| 70°-80°   | 70.7   | 3.7       |
| 80°-90°   | 18.5   | 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°    | 693.5  | 36.8      |
| 0°-40°    | 1071.7 | 56.8      |
| 0°-60°    | 1640.8 | 87.0      |
| 0°-90°    | 1885.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1885.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 937 | 937 | 937 | 937  | 937  |      |
| 5°  | 968 | 955 | 931 | 907  | 899  | 93   |
| 15° | 987 | 953 | 879 | 819  | 799  | 278  |
| 25° | 909 | 852 | 748 | 703  | 694  | 416  |
| 35° | 708 | 659 | 571 | 557  | 573  | 441  |
| 45° | 463 | 438 | 394 | 405  | 434  | 360  |
| 55° | 293 | 269 | 252 | 273  | 290  | 263  |
| 65° | 176 | 156 | 146 | 153  | 164  | 175  |
| 75° | 85  | 73  | 60  | 55   | 56   | 91   |
| 85° | 19  | 16  | 15  | 16   | 16   | 22   |
| 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°    | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 |
| 2.5°  | 954.7 | 952.0 | 953.4 | 952.0 | 953.4 | 953.4 | 950.7 | 950.7 | 950.7 | 950.7 | 946.7 |
| 5°    | 968.0 | 966.6 | 966.6 | 965.4 | 964.0 | 965.4 | 964.0 | 962.7 | 960.0 | 958.7 | 954.7 |
| 7.5°  | 975.9 | 975.9 | 975.9 | 975.9 | 974.7 | 973.4 | 972.0 | 969.3 | 966.6 | 964.0 | 961.4 |
| 10°   | 984.0 | 985.4 | 984.0 | 982.7 | 981.3 | 978.6 | 977.3 | 974.7 | 970.7 | 966.6 | 964.0 |
| 12.5° | 987.9 | 987.9 | 986.6 | 986.6 | 984.0 | 982.7 | 978.6 | 974.7 | 970.7 | 966.6 | 960.0 |
| 15°   | 986.6 | 986.6 | 985.4 | 984.0 | 980.0 | 978.6 | 975.9 | 972.0 | 965.4 | 960.0 | 953.4 |
| 17.5° | 978.6 | 977.3 | 974.7 | 974.7 | 969.3 | 968.0 | 965.4 | 960.0 | 953.4 | 945.3 | 937.4 |
| 20°   | 961.4 | 961.4 | 960.0 | 958.7 | 953.4 | 949.4 | 946.7 | 940.0 | 934.8 | 925.4 | 917.4 |
| 22.5° | 937.4 | 940.0 | 937.4 | 934.8 | 928.0 | 926.7 | 922.8 | 914.7 | 906.7 | 896.1 | 886.8 |
| 25°   | 909.4 | 908.1 | 906.7 | 904.0 | 898.8 | 896.1 | 890.8 | 882.8 | 874.8 | 862.8 | 852.1 |
| 27.5° | 873.4 | 868.1 | 868.1 | 862.8 | 858.8 | 854.8 | 852.1 | 844.1 | 833.5 | 824.2 | 810.8 |
| 30°   | 824.2 | 825.5 | 818.9 | 817.6 | 810.8 | 808.2 | 802.9 | 794.9 | 785.6 | 774.9 | 764.3 |
| 32.5° | 770.9 | 767.0 | 767.0 | 761.6 | 756.3 | 752.3 | 750.9 | 741.6 | 733.7 | 723.0 | 712.4 |
| 35°   | 708.3 | 708.3 | 704.4 | 703.0 | 697.7 | 695.1 | 691.0 | 685.8 | 676.5 | 667.0 | 659.1 |
| 37.5° | 647.1 | 644.5 | 643.1 | 640.5 | 636.4 | 632.5 | 632.5 | 623.2 | 621.8 | 611.2 | 600.5 |
| 40°   | 579.2 | 581.9 | 579.2 | 575.2 | 573.8 | 571.2 | 569.9 | 564.5 | 560.6 | 551.3 | 544.6 |
| 42.5° | 521.9 | 519.3 | 519.3 | 518.0 | 512.6 | 512.6 | 510.0 | 507.3 | 500.7 | 498.0 | 490.0 |
| 45°   | 463.4 | 466.0 | 462.0 | 463.4 | 458.1 | 458.1 | 458.1 | 452.7 | 447.4 | 443.4 | 438.1 |
| 47.5° | 412.8 | 414.1 | 414.1 | 410.1 | 408.7 | 408.7 | 406.1 | 403.5 | 399.4 | 394.1 | 390.1 |
| 50°   | 368.8 | 370.1 | 367.5 | 366.2 | 363.5 | 362.2 | 362.2 | 356.8 | 354.2 | 348.8 | 346.1 |
| 52.5° | 328.9 | 328.9 | 327.5 | 327.5 | 323.6 | 323.6 | 320.9 | 316.9 | 314.3 | 311.6 | 305.0 |
| 55°   | 293.0 | 293.0 | 291.6 | 290.3 | 290.3 | 286.2 | 284.9 | 281.0 | 278.3 | 273.0 | 269.0 |
| 57.5° | 258.3 | 259.7 | 258.3 | 257.0 | 255.6 | 254.3 | 251.7 | 247.7 | 245.0 | 241.0 | 238.3 |
| 60°   | 230.4 | 230.4 | 229.0 | 227.7 | 225.0 | 223.7 | 222.3 | 219.7 | 215.7 | 213.0 | 209.1 |
| 62.5° | 203.7 | 202.3 | 201.1 | 199.8 | 197.1 | 197.1 | 194.4 | 191.7 | 187.8 | 185.1 | 182.4 |
| 65°   | 175.8 | 175.8 | 174.4 | 174.4 | 173.1 | 170.5 | 169.1 | 167.8 | 162.4 | 161.1 | 155.8 |
| 67.5° | 150.4 | 151.8 | 149.2 | 149.2 | 146.5 | 146.5 | 145.1 | 141.1 | 139.8 | 137.2 | 134.5 |
| 70°   | 127.9 | 127.9 | 127.9 | 126.5 | 123.8 | 122.5 | 121.1 | 118.6 | 117.2 | 114.5 | 111.8 |
| 72.5° | 105.2 | 105.2 | 103.9 | 103.9 | 102.5 | 101.2 | 99.8  | 97.2  | 97.2  | 94.6  | 91.9  |
| 75°   | 85.2  | 85.2  | 83.9  | 82.6  | 81.2  | 81.2  | 79.9  | 78.5  | 75.9  | 74.6  | 73.2  |
| 77.5° | 65.3  | 65.3  | 65.3  | 63.9  | 62.6  | 62.6  | 62.6  | 59.9  | 57.2  | 57.2  | 56.0  |
| 80°   | 47.9  | 47.9  | 46.7  | 46.7  | 45.3  | 45.3  | 45.3  | 44.0  | 42.6  | 41.3  | 39.9  |
| 82.5° | 32.0  | 32.0  | 32.0  | 32.0  | 30.6  | 30.6  | 30.6  | 29.3  | 27.9  | 27.9  | 27.9  |
| 85°   | 18.6  | 18.6  | 18.6  | 18.6  | 17.3  | 17.3  | 17.3  | 17.3  | 17.3  | 15.9  | 15.9  |
| 87.5° | 8.0   | 6.6   | 8.0   | 6.6   | 8.0   | 6.6   | 8.0   | 6.6   | 6.6   | 6.6   | 6.6   |
| 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°    | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 |
| 2.5°  | 948.0 | 946.7 | 945.3 | 944.1 | 944.1 | 942.7 | 940.0 | 938.7 | 937.4 | 936.0 | 936.0 |
| 5°    | 953.4 | 952.0 | 949.4 | 946.7 | 945.3 | 942.7 | 940.0 | 937.4 | 934.8 | 930.7 | 929.4 |
| 7.5°  | 957.3 | 953.4 | 950.7 | 945.3 | 944.1 | 941.4 | 937.4 | 933.4 | 928.0 | 922.8 | 918.7 |
| 10°   | 957.3 | 952.0 | 948.0 | 941.4 | 938.7 | 936.0 | 930.7 | 924.1 | 917.4 | 912.1 | 905.4 |
| 12.5° | 954.7 | 948.0 | 941.4 | 934.8 | 930.7 | 926.7 | 918.7 | 912.1 | 904.0 | 896.1 | 890.8 |
| 15°   | 945.3 | 937.4 | 929.4 | 921.4 | 917.4 | 912.1 | 904.0 | 894.7 | 886.8 | 878.8 | 869.5 |
| 17.5° | 928.0 | 920.1 | 910.8 | 901.5 | 896.1 | 892.1 | 880.1 | 873.4 | 861.5 | 853.5 | 845.5 |
| 20°   | 905.4 | 896.1 | 884.1 | 874.8 | 868.1 | 864.1 | 854.8 | 842.8 | 833.5 | 821.5 | 813.5 |
| 22.5° | 876.1 | 864.1 | 852.1 | 842.8 | 836.2 | 830.9 | 818.9 | 806.9 | 798.9 | 788.3 | 779.0 |
| 25°   | 841.6 | 829.6 | 817.6 | 804.2 | 797.6 | 792.2 | 781.6 | 770.9 | 760.3 | 748.4 | 740.3 |
| 27.5° | 800.3 | 786.9 | 776.3 | 764.3 | 757.7 | 749.6 | 737.7 | 727.0 | 716.4 | 708.3 | 697.7 |
| 30°   | 755.0 | 740.3 | 729.6 | 717.6 | 711.0 | 704.4 | 692.4 | 681.7 | 672.4 | 663.1 | 657.7 |
| 32.5° | 700.4 | 689.7 | 679.0 | 667.0 | 661.8 | 657.7 | 645.7 | 635.2 | 624.5 | 616.5 | 612.5 |
| 35°   | 648.4 | 636.4 | 627.1 | 616.5 | 609.8 | 605.8 | 595.1 | 585.8 | 580.6 | 571.2 | 565.9 |
| 37.5° | 593.8 | 584.5 | 573.8 | 563.2 | 559.2 | 555.2 | 547.2 | 537.9 | 530.0 | 523.2 | 520.7 |
| 40°   | 536.6 | 528.6 | 519.3 | 512.6 | 508.7 | 504.6 | 498.0 | 491.3 | 486.0 | 479.4 | 476.7 |
| 42.5° | 482.0 | 476.7 | 468.7 | 460.7 | 456.7 | 455.4 | 447.4 | 442.0 | 439.4 | 436.8 | 434.1 |
| 45°   | 432.7 | 424.8 | 419.4 | 414.1 | 410.1 | 407.5 | 403.5 | 399.4 | 396.8 | 394.1 | 391.5 |
| 47.5° | 384.8 | 378.1 | 372.8 | 368.8 | 364.9 | 363.5 | 360.8 | 356.8 | 354.2 | 354.2 | 354.2 |
| 50°   | 340.9 | 335.6 | 330.2 | 327.5 | 326.2 | 323.6 | 320.9 | 319.6 | 318.2 | 318.2 | 318.2 |
| 52.5° | 302.3 | 296.9 | 293.0 | 290.3 | 290.3 | 287.6 | 284.9 | 283.7 | 283.7 | 283.7 | 283.7 |
| 55°   | 266.3 | 262.3 | 259.7 | 257.0 | 254.3 | 252.9 | 252.9 | 252.9 | 251.7 | 251.7 | 252.9 |
| 57.5° | 234.3 | 231.7 | 227.7 | 225.0 | 223.7 | 223.7 | 222.3 | 221.1 | 222.3 | 223.7 | 225.0 |
| 60°   | 205.0 | 202.3 | 201.1 | 197.1 | 197.1 | 197.1 | 195.7 | 195.7 | 195.7 | 197.1 | 198.4 |
| 62.5° | 178.4 | 177.1 | 174.4 | 173.1 | 171.7 | 171.7 | 170.5 | 170.5 | 170.5 | 170.5 | 171.7 |
| 65°   | 154.5 | 151.8 | 149.2 | 149.2 | 149.2 | 147.8 | 147.8 | 145.1 | 146.5 | 146.5 | 145.1 |
| 67.5° | 131.8 | 129.1 | 127.9 | 126.5 | 125.2 | 125.2 | 123.8 | 122.5 | 121.1 | 121.1 | 121.1 |
| 70°   | 110.5 | 107.9 | 107.9 | 105.2 | 105.2 | 103.9 | 102.5 | 102.5 | 101.2 | 99.8  | 98.5  |
| 72.5° | 89.2  | 87.8  | 86.6  | 85.2  | 85.2  | 85.2  | 83.9  | 82.6  | 81.2  | 79.9  | 77.3  |
| 75°   | 70.6  | 70.6  | 67.9  | 66.6  | 66.6  | 65.3  | 63.9  | 62.6  | 61.2  | 59.9  | 58.6  |
| 77.5° | 54.6  | 53.3  | 50.6  | 49.2  | 49.2  | 49.2  | 47.9  | 46.7  | 45.3  | 44.0  | 42.6  |
| 80°   | 39.9  | 38.6  | 37.2  | 36.0  | 36.0  | 36.0  | 34.7  | 34.7  | 33.3  | 33.3  | 33.3  |
| 82.5° | 26.6  | 26.6  | 25.3  | 25.3  | 25.3  | 25.3  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  |
| 85°   | 15.9  | 15.9  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  |
| 87.5° | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   |
| 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°    | 937.4 | 937.4 | 937.4 | 937.4  | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 |
| 2.5°  | 933.4 | 933.4 | 930.7 | 929.4  | 928.0 | 929.4 | 926.7 | 925.4 | 924.1 | 924.1 | 922.8 |
| 5°    | 925.4 | 924.1 | 918.7 | 917.4  | 916.0 | 914.7 | 912.1 | 909.4 | 906.7 | 905.4 | 904.0 |
| 7.5°  | 914.7 | 910.8 | 905.4 | 904.0  | 902.8 | 898.8 | 894.7 | 892.1 | 888.1 | 886.8 | 884.1 |
| 10°   | 900.1 | 894.7 | 890.8 | 886.8  | 884.1 | 880.1 | 876.1 | 872.2 | 866.8 | 865.5 | 861.5 |
| 12.5° | 882.8 | 876.1 | 868.1 | 866.8  | 862.8 | 857.5 | 852.1 | 848.2 | 844.1 | 841.6 | 837.5 |
| 15°   | 861.5 | 854.8 | 846.8 | 842.8  | 838.9 | 834.8 | 828.2 | 822.8 | 818.9 | 814.9 | 810.8 |
| 17.5° | 836.2 | 828.2 | 821.5 | 817.6  | 814.9 | 808.2 | 802.9 | 796.2 | 792.2 | 788.3 | 784.3 |
| 20°   | 805.6 | 798.9 | 789.6 | 785.6  | 784.3 | 779.0 | 772.3 | 769.7 | 764.3 | 760.3 | 757.7 |
| 22.5° | 770.9 | 764.3 | 756.3 | 753.6  | 748.4 | 745.7 | 738.9 | 736.4 | 733.7 | 729.6 | 728.3 |
| 25°   | 732.3 | 725.7 | 719.0 | 717.6  | 713.7 | 711.0 | 707.1 | 703.0 | 703.0 | 699.0 | 699.0 |
| 27.5° | 692.4 | 685.8 | 680.4 | 677.7  | 676.5 | 673.8 | 669.7 | 668.4 | 667.0 | 665.8 | 665.8 |
| 30°   | 649.8 | 641.8 | 639.1 | 637.8  | 636.4 | 633.8 | 632.5 | 629.8 | 631.1 | 632.5 | 631.1 |
| 32.5° | 604.6 | 601.9 | 596.5 | 593.8  | 595.1 | 593.8 | 591.2 | 593.8 | 592.6 | 595.1 | 596.5 |
| 35°   | 560.6 | 557.9 | 555.2 | 555.2  | 552.5 | 552.5 | 552.5 | 553.9 | 556.6 | 557.9 | 560.6 |
| 37.5° | 518.0 | 513.9 | 512.6 | 511.2  | 512.6 | 512.6 | 512.6 | 515.3 | 518.0 | 520.7 | 524.6 |
| 40°   | 472.7 | 470.1 | 470.1 | 470.1  | 470.1 | 474.0 | 472.7 | 475.4 | 478.0 | 482.0 | 486.0 |
| 42.5° | 430.0 | 430.0 | 431.4 | 431.4  | 431.4 | 431.4 | 434.1 | 438.1 | 442.0 | 446.1 | 450.0 |
| 45°   | 390.1 | 390.1 | 390.1 | 392.8  | 392.8 | 394.1 | 399.4 | 402.1 | 404.8 | 408.7 | 412.8 |
| 47.5° | 352.9 | 352.9 | 354.2 | 355.6  | 356.8 | 359.5 | 362.2 | 366.2 | 370.1 | 372.8 | 376.9 |
| 50°   | 318.2 | 319.6 | 322.2 | 324.9  | 324.9 | 326.2 | 330.2 | 332.9 | 335.6 | 339.5 | 340.9 |
| 52.5° | 284.9 | 287.6 | 290.3 | 291.6  | 293.0 | 295.6 | 296.9 | 300.9 | 302.3 | 306.2 | 307.6 |
| 55°   | 254.3 | 255.6 | 259.7 | 261.0  | 261.0 | 263.6 | 266.3 | 269.0 | 273.0 | 273.0 | 275.6 |
| 57.5° | 226.3 | 227.7 | 230.4 | 231.7  | 230.4 | 234.3 | 235.7 | 238.3 | 239.7 | 242.4 | 243.6 |
| 60°   | 198.4 | 201.1 | 202.3 | 202.3  | 203.7 | 205.0 | 207.7 | 207.7 | 210.4 | 213.0 | 213.0 |
| 62.5° | 171.7 | 173.1 | 174.4 | 175.8  | 177.1 | 175.8 | 179.8 | 179.8 | 182.4 | 183.7 | 186.4 |
| 65°   | 146.5 | 147.8 | 147.8 | 149.2  | 149.2 | 150.4 | 150.4 | 151.8 | 153.1 | 155.8 | 157.1 |
| 67.5° | 121.1 | 121.1 | 121.1 | 122.5  | 121.1 | 122.5 | 122.5 | 123.8 | 123.8 | 126.5 | 127.9 |
| 70°   | 98.5  | 97.2  | 95.9  | 95.9   | 95.9  | 95.9  | 94.6  | 95.9  | 95.9  | 97.2  | 97.2  |
| 72.5° | 75.9  | 74.6  | 73.2  | 71.9   | 71.9  | 70.6  | 69.2  | 70.6  | 70.6  | 71.9  | 71.9  |
| 75°   | 57.2  | 54.6  | 54.6  | 54.6   | 53.3  | 53.3  | 53.3  | 54.6  | 54.6  | 54.6  | 56.0  |
| 77.5° | 42.6  | 42.6  | 41.3  | 41.3   | 41.3  | 42.6  | 42.6  | 44.0  | 44.0  | 44.0  | 44.0  |
| 80°   | 32.0  | 33.3  | 33.3  | 33.3   | 33.3  | 34.7  | 34.7  | 34.7  | 34.7  | 36.0  | 36.0  |
| 82.5° | 24.0  | 24.0  | 24.0  | 24.0   | 25.3  | 25.3  | 25.3  | 25.3  | 25.3  | 25.3  | 25.3  |
| 85°   | 14.7  | 15.9  | 15.9  | 14.7   | 15.9  | 15.9  | 15.9  | 15.9  | 15.9  | 15.9  | 15.9  |
| 87.5° | 6.6   | 6.6   | 6.6   | 6.6    | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   |
| 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: P584183

CATALOG NUMBER: HCC8W25D010BZ-HM82555927-81WWWB

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 937.4 | 937.4 | 937.4  | 937.4 | 937.4 | 937.4 | 937.4 | 937.4 |
| 2.5°  | 921.4 | 921.4 | 921.4  | 921.4 | 920.1 | 920.1 | 920.1 | 918.7 |
| 5°    | 901.5 | 901.5 | 901.5  | 898.8 | 900.1 | 900.1 | 897.4 | 898.8 |
| 7.5°  | 881.5 | 880.1 | 878.8  | 878.8 | 877.5 | 876.1 | 874.8 | 876.1 |
| 10°   | 858.8 | 854.8 | 854.8  | 853.5 | 853.5 | 850.9 | 850.9 | 852.1 |
| 12.5° | 833.5 | 830.9 | 830.9  | 829.6 | 828.2 | 826.9 | 825.5 | 825.5 |
| 15°   | 808.2 | 805.6 | 804.2  | 802.9 | 801.5 | 798.9 | 800.3 | 798.9 |
| 17.5° | 782.9 | 779.0 | 779.0  | 777.6 | 776.3 | 773.6 | 773.6 | 772.3 |
| 20°   | 753.6 | 752.3 | 749.6  | 750.9 | 749.6 | 747.0 | 745.7 | 745.7 |
| 22.5° | 724.4 | 724.4 | 723.0  | 723.0 | 721.7 | 720.3 | 719.0 | 719.0 |
| 25°   | 696.4 | 695.1 | 696.4  | 696.4 | 692.4 | 692.4 | 692.4 | 693.7 |
| 27.5° | 664.5 | 665.8 | 664.5  | 664.5 | 664.5 | 664.5 | 665.8 | 664.5 |
| 30°   | 632.5 | 632.5 | 632.5  | 633.8 | 636.4 | 635.2 | 635.2 | 633.8 |
| 32.5° | 597.8 | 599.2 | 599.2  | 600.5 | 601.9 | 604.6 | 604.6 | 605.8 |
| 35°   | 563.2 | 565.9 | 567.2  | 565.9 | 569.9 | 569.9 | 572.6 | 572.6 |
| 37.5° | 527.3 | 528.6 | 531.3  | 532.6 | 535.2 | 536.6 | 537.9 | 537.9 |
| 40°   | 488.7 | 494.0 | 495.3  | 496.7 | 500.7 | 500.7 | 501.9 | 504.6 |
| 42.5° | 452.7 | 458.1 | 459.4  | 460.7 | 463.4 | 467.4 | 466.0 | 468.7 |
| 45°   | 418.0 | 422.1 | 423.4  | 424.8 | 428.7 | 430.0 | 430.0 | 434.1 |
| 47.5° | 380.8 | 383.5 | 384.8  | 387.4 | 390.1 | 392.8 | 395.5 | 394.1 |
| 50°   | 343.6 | 347.5 | 350.2  | 351.5 | 355.6 | 356.8 | 358.1 | 359.5 |
| 52.5° | 310.2 | 312.9 | 314.3  | 315.5 | 319.6 | 320.9 | 322.2 | 324.9 |
| 55°   | 278.3 | 279.6 | 282.3  | 281.0 | 284.9 | 286.2 | 287.6 | 290.3 |
| 57.5° | 246.3 | 247.7 | 249.0  | 249.0 | 251.7 | 254.3 | 255.6 | 257.0 |
| 60°   | 215.7 | 218.4 | 219.7  | 219.7 | 219.7 | 222.3 | 222.3 | 222.3 |
| 62.5° | 187.8 | 187.8 | 189.1  | 189.1 | 191.7 | 191.7 | 191.7 | 191.7 |
| 65°   | 158.5 | 159.8 | 161.1  | 161.1 | 163.8 | 162.4 | 165.1 | 163.8 |
| 67.5° | 127.9 | 127.9 | 130.5  | 130.5 | 129.1 | 130.5 | 130.5 | 130.5 |
| 70°   | 97.2  | 97.2  | 98.5   | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  |
| 72.5° | 71.9  | 71.9  | 71.9   | 73.2  | 71.9  | 71.9  | 73.2  | 71.9  |
| 75°   | 56.0  | 56.0  | 56.0   | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  |
| 77.5° | 44.0  | 44.0  | 45.3   | 45.3  | 45.3  | 45.3  | 45.3  | 45.3  |
| 80°   | 36.0  | 36.0  | 36.0   | 36.0  | 37.2  | 36.0  | 36.0  | 36.0  |
| 82.5° | 26.6  | 25.3  | 26.6   | 25.3  | 26.6  | 26.6  | 26.6  | 26.6  |
| 85°   | 15.9  | 15.9  | 15.9   | 15.9  | 15.9  | 15.9  | 15.9  | 15.9  |
| 87.5° | 6.6   | 6.6   | 6.6    | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   |
| 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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Scaled Data Report



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

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(END OF REPORT)