

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: P583872

Luminaire Tested: **HCC8W15D010BZ-HM80520835-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583872
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: HCC8W15D010BZ-HM80520835-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

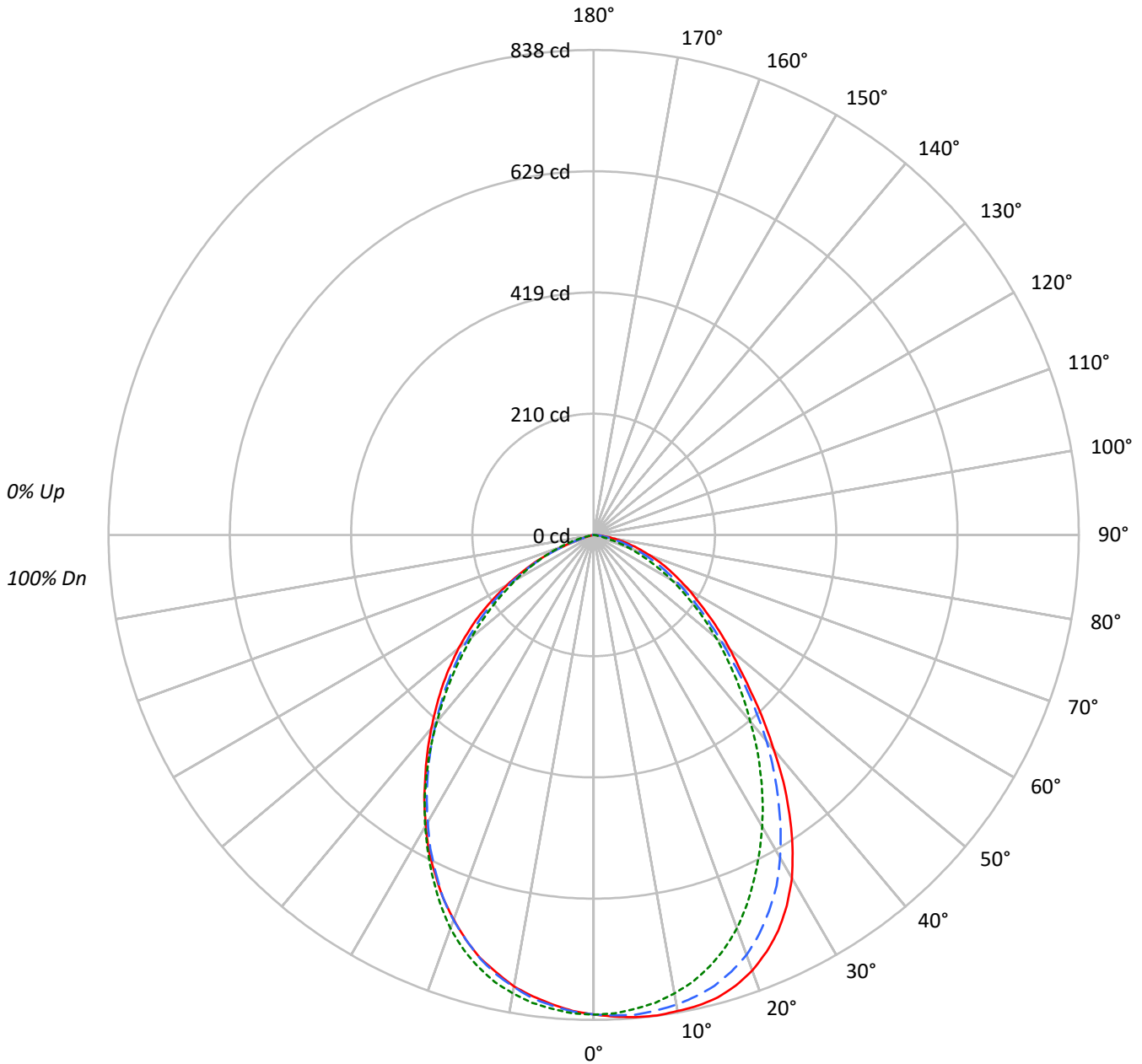
Lumens per Lamp: N/A
Luminaire Lumens: 1575.1 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): 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: P583872
CATALOG NUMBER: HCC8W15D010BZ-HM80520835-81RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P583872

CATALOG NUMBER: HCC8W15D010BZ-HM80520835-81RWWC

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|--|--|--|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | | | | |
| 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° | 25557 | 25557 | 25557 |
| 5° | 25893 | 25447 | 25206 |
| 10° | 26158 | 25184 | 24805 |
| 15° | 26420 | 24655 | 24163 |
| 20° | 26288 | 23745 | 23200 |
| 25° | 25675 | 22323 | 22024 |
| 30° | 24387 | 20723 | 20645 |
| 35° | 22199 | 18912 | 19074 |
| 40° | 19467 | 16923 | 17551 |
| 45° | 16790 | 15054 | 16118 |
| 50° | 14699 | 13217 | 14598 |
| 55° | 13026 | 11365 | 12849 |
| 60° | 11736 | 9559 | 10645 |
| 65° | 10580 | 7669 | 8150 |
| 70° | 9277 | 5581 | 4490 |
| 75° | 7911 | 2895 | 1191 |
| 80° | 6091 | 799 | 195 |
| 85° | 3927 | 0 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.2 | 5.0 |
| 10°-20° | 219.8 | 14.0 |
| 20°-30° | 312.0 | 19.8 |
| 30°-40° | 328.4 | 20.9 |
| 40°-50° | 279.4 | 17.7 |
| 50°-60° | 201.9 | 12.8 |
| 60°-70° | 114.8 | 7.3 |
| 70°-80° | 36.2 | 2.3 |
| 80°-90° | 4.4 | 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° | 610.0 | 38.7 |
| 0°-40° | 938.4 | 59.6 |
| 0°-60° | 1419.7 | 90.1 |
| 0°-90° | 1575.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1575.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 829 | 829 | 829 | 829 | 829 | |
| 5° | 836 | 832 | 822 | 817 | 814 | 80 |
| 15° | 828 | 807 | 772 | 758 | 757 | 233 |
| 25° | 755 | 717 | 656 | 645 | 647 | 346 |
| 35° | 590 | 555 | 502 | 499 | 507 | 367 |
| 45° | 385 | 371 | 345 | 354 | 370 | 299 |
| 55° | 242 | 225 | 211 | 224 | 239 | 218 |
| 65° | 145 | 125 | 105 | 104 | 112 | 144 |
| 75° | 66 | 51 | 24 | 11 | 10 | 71 |
| 85° | 11 | 7 | 0 | 0 | 0 | 14 |
| 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° | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 |
| 2.5° | 833.1 | 834.2 | 832.1 | 832.1 | 834.2 | 832.1 | 833.1 | 833.1 | 832.1 | 832.1 | 831.0 |
| 5° | 836.5 | 835.4 | 835.4 | 835.4 | 836.5 | 834.2 | 833.1 | 834.2 | 832.1 | 832.1 | 832.1 |
| 7.5° | 837.6 | 837.6 | 836.5 | 835.4 | 835.4 | 835.4 | 834.2 | 833.1 | 832.1 | 829.9 | 828.8 |
| 10° | 835.4 | 835.4 | 836.5 | 834.2 | 834.2 | 832.1 | 832.1 | 829.9 | 829.9 | 827.6 | 824.3 |
| 12.5° | 833.1 | 832.1 | 832.1 | 829.9 | 829.9 | 827.6 | 827.6 | 824.3 | 823.3 | 819.9 | 816.6 |
| 15° | 827.6 | 826.5 | 824.3 | 823.3 | 822.1 | 821.0 | 818.8 | 817.7 | 814.3 | 809.9 | 806.6 |
| 17.5° | 816.6 | 815.4 | 814.3 | 812.2 | 809.9 | 808.8 | 807.7 | 804.3 | 800.0 | 796.6 | 791.1 |
| 20° | 801.1 | 800.0 | 800.0 | 796.6 | 795.5 | 792.2 | 791.1 | 786.7 | 783.4 | 776.7 | 772.3 |
| 22.5° | 780.0 | 781.2 | 778.9 | 776.7 | 774.6 | 771.2 | 769.0 | 764.6 | 759.0 | 752.4 | 746.9 |
| 25° | 754.6 | 755.7 | 753.5 | 751.3 | 747.9 | 745.8 | 743.5 | 736.9 | 731.3 | 723.6 | 717.0 |
| 27.5° | 722.5 | 722.5 | 722.5 | 720.3 | 714.8 | 713.7 | 711.4 | 704.8 | 697.1 | 690.5 | 683.8 |
| 30° | 684.9 | 683.8 | 683.8 | 680.5 | 678.3 | 673.8 | 670.5 | 665.0 | 659.5 | 651.7 | 644.0 |
| 32.5° | 639.5 | 640.7 | 637.3 | 635.2 | 631.8 | 631.8 | 627.3 | 623.0 | 616.4 | 608.5 | 600.8 |
| 35° | 589.7 | 590.8 | 588.6 | 587.6 | 582.0 | 580.9 | 579.8 | 574.3 | 569.8 | 564.3 | 555.4 |
| 37.5° | 538.9 | 537.8 | 536.6 | 536.6 | 533.3 | 531.0 | 528.9 | 525.6 | 518.9 | 514.5 | 510.1 |
| 40° | 483.6 | 483.6 | 483.6 | 482.4 | 481.3 | 479.1 | 478.0 | 475.7 | 471.4 | 466.9 | 463.6 |
| 42.5° | 433.7 | 433.7 | 432.6 | 431.5 | 429.3 | 430.4 | 428.3 | 426.0 | 421.5 | 418.3 | 416.1 |
| 45° | 385.0 | 385.0 | 385.0 | 386.2 | 383.9 | 380.7 | 380.7 | 378.4 | 376.2 | 374.0 | 370.7 |
| 47.5° | 341.9 | 345.2 | 342.9 | 341.9 | 342.9 | 338.6 | 338.6 | 336.3 | 334.1 | 332.0 | 327.5 |
| 50° | 306.4 | 306.4 | 306.4 | 304.3 | 303.2 | 303.2 | 299.8 | 297.6 | 296.6 | 294.3 | 289.9 |
| 52.5° | 274.4 | 272.2 | 272.2 | 271.1 | 269.9 | 267.8 | 267.8 | 265.6 | 261.1 | 259.0 | 255.6 |
| 55° | 242.3 | 242.3 | 241.2 | 240.2 | 239.0 | 237.9 | 236.8 | 233.4 | 231.2 | 228.0 | 224.6 |
| 57.5° | 213.5 | 215.8 | 214.6 | 212.4 | 210.3 | 210.3 | 208.0 | 205.8 | 202.4 | 199.2 | 195.8 |
| 60° | 190.3 | 189.2 | 189.2 | 188.1 | 185.9 | 184.7 | 183.6 | 180.4 | 177.0 | 173.8 | 170.4 |
| 62.5° | 165.9 | 165.9 | 165.9 | 163.8 | 161.6 | 160.4 | 159.3 | 157.1 | 152.7 | 149.4 | 147.1 |
| 65° | 145.0 | 143.9 | 142.8 | 141.6 | 140.5 | 138.3 | 137.2 | 135.0 | 131.7 | 128.3 | 125.1 |
| 67.5° | 123.9 | 122.8 | 122.8 | 121.7 | 118.5 | 117.2 | 117.2 | 114.0 | 110.6 | 107.4 | 104.0 |
| 70° | 102.9 | 102.9 | 102.9 | 100.7 | 99.5 | 98.4 | 97.4 | 95.2 | 91.8 | 88.6 | 85.2 |
| 72.5° | 85.2 | 84.1 | 84.1 | 83.0 | 79.7 | 78.6 | 77.5 | 75.2 | 71.9 | 69.6 | 67.5 |
| 75° | 66.4 | 66.4 | 65.3 | 64.2 | 63.0 | 61.9 | 60.9 | 58.7 | 55.3 | 52.1 | 50.9 |
| 77.5° | 50.9 | 49.8 | 49.8 | 48.7 | 46.5 | 45.3 | 45.3 | 43.1 | 39.9 | 37.6 | 35.4 |
| 80° | 34.3 | 35.4 | 34.3 | 33.1 | 32.1 | 31.0 | 29.9 | 28.8 | 26.5 | 24.3 | 22.2 |
| 82.5° | 21.0 | 22.2 | 21.0 | 21.0 | 19.9 | 18.8 | 18.8 | 16.6 | 15.5 | 14.3 | 13.3 |
| 85° | 11.1 | 11.1 | 11.1 | 11.1 | 10.0 | 10.0 | 10.0 | 8.8 | 7.7 | 6.6 | 6.6 |
| 87.5° | 3.4 | 4.5 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 2.2 | 2.2 | 2.2 |
| 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° | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 |
| 2.5° | 832.1 | 831.0 | 829.9 | 829.9 | 829.9 | 829.9 | 829.9 | 828.8 | 827.6 | 827.6 | 827.6 |
| 5° | 829.9 | 829.9 | 829.9 | 828.8 | 827.6 | 827.6 | 825.4 | 824.3 | 823.3 | 822.1 | 821.0 |
| 7.5° | 827.6 | 825.4 | 824.3 | 823.3 | 822.1 | 822.1 | 819.9 | 817.7 | 817.7 | 815.4 | 813.3 |
| 10° | 821.0 | 819.9 | 817.7 | 815.4 | 814.3 | 813.3 | 811.1 | 807.7 | 806.6 | 804.3 | 802.2 |
| 12.5° | 813.3 | 811.1 | 808.8 | 804.3 | 803.3 | 802.2 | 797.7 | 794.5 | 792.2 | 791.1 | 785.5 |
| 15° | 803.3 | 798.9 | 795.5 | 790.0 | 788.9 | 786.7 | 783.4 | 780.0 | 775.7 | 772.3 | 770.1 |
| 17.5° | 785.5 | 781.2 | 775.7 | 770.1 | 767.8 | 767.8 | 762.4 | 757.9 | 752.4 | 750.2 | 745.8 |
| 20° | 764.6 | 759.0 | 754.6 | 747.9 | 744.7 | 741.3 | 738.1 | 731.3 | 727.0 | 723.6 | 718.1 |
| 22.5° | 740.2 | 732.5 | 727.0 | 720.3 | 714.8 | 711.4 | 705.9 | 700.3 | 694.8 | 691.5 | 687.1 |
| 25° | 709.3 | 702.6 | 693.7 | 687.1 | 683.8 | 679.4 | 672.8 | 667.2 | 661.7 | 656.1 | 654.0 |
| 27.5° | 674.9 | 666.1 | 658.3 | 650.6 | 647.3 | 644.0 | 636.2 | 629.6 | 625.2 | 619.6 | 617.4 |
| 30° | 637.3 | 628.5 | 619.6 | 613.0 | 609.6 | 604.2 | 599.7 | 592.0 | 586.5 | 582.0 | 576.5 |
| 32.5° | 594.2 | 587.6 | 579.8 | 569.8 | 567.6 | 563.2 | 556.6 | 553.2 | 546.6 | 543.2 | 538.9 |
| 35° | 547.7 | 543.2 | 535.5 | 527.8 | 524.4 | 522.2 | 516.7 | 510.1 | 505.6 | 502.4 | 500.1 |
| 37.5° | 503.4 | 497.9 | 490.2 | 484.7 | 482.4 | 479.1 | 472.5 | 469.1 | 464.8 | 462.5 | 458.0 |
| 40° | 455.9 | 450.3 | 444.8 | 441.5 | 438.1 | 436.0 | 431.5 | 428.3 | 423.8 | 420.4 | 419.3 |
| 42.5° | 409.3 | 406.1 | 401.6 | 397.2 | 396.1 | 392.8 | 390.5 | 387.3 | 383.9 | 382.8 | 379.6 |
| 45° | 367.4 | 364.0 | 359.6 | 355.2 | 354.0 | 351.9 | 350.8 | 347.4 | 345.2 | 345.2 | 345.2 |
| 47.5° | 325.4 | 322.0 | 317.5 | 315.3 | 316.4 | 312.0 | 312.0 | 310.9 | 308.7 | 308.7 | 309.8 |
| 50° | 287.6 | 283.3 | 282.1 | 279.9 | 277.8 | 275.5 | 276.7 | 273.3 | 273.3 | 275.5 | 274.4 |
| 52.5° | 252.3 | 247.9 | 246.8 | 244.5 | 243.4 | 243.4 | 242.3 | 242.3 | 241.2 | 242.3 | 242.3 |
| 55° | 220.2 | 216.9 | 214.6 | 212.4 | 211.4 | 211.4 | 211.4 | 210.3 | 209.1 | 211.4 | 212.4 |
| 57.5° | 191.5 | 190.3 | 188.1 | 184.7 | 183.6 | 182.6 | 181.5 | 181.5 | 181.5 | 181.5 | 182.6 |
| 60° | 165.9 | 163.8 | 161.6 | 158.2 | 158.2 | 157.1 | 156.0 | 155.0 | 155.0 | 155.0 | 155.0 |
| 62.5° | 143.9 | 140.5 | 137.2 | 135.0 | 133.9 | 132.8 | 131.7 | 129.4 | 129.4 | 129.4 | 129.4 |
| 65° | 121.7 | 118.5 | 116.2 | 114.0 | 111.7 | 111.7 | 109.5 | 108.4 | 106.2 | 105.1 | 102.9 |
| 67.5° | 100.7 | 98.4 | 96.3 | 92.9 | 91.8 | 90.7 | 88.6 | 87.4 | 84.1 | 83.0 | 81.8 |
| 70° | 81.8 | 78.6 | 76.4 | 74.1 | 73.0 | 70.9 | 68.6 | 66.4 | 64.2 | 61.9 | 59.8 |
| 72.5° | 64.2 | 60.9 | 58.7 | 56.4 | 54.2 | 54.2 | 50.9 | 48.7 | 45.3 | 43.1 | 39.9 |
| 75° | 47.6 | 44.2 | 42.1 | 38.7 | 37.6 | 36.5 | 33.1 | 31.0 | 27.7 | 24.3 | 22.2 |
| 77.5° | 32.1 | 29.9 | 27.7 | 24.3 | 22.2 | 22.2 | 18.8 | 16.6 | 14.3 | 11.1 | 10.0 |
| 80° | 19.9 | 17.7 | 15.5 | 13.3 | 13.3 | 11.1 | 10.0 | 7.7 | 5.5 | 4.5 | 3.4 |
| 82.5° | 11.1 | 10.0 | 8.8 | 6.6 | 6.6 | 5.5 | 4.5 | 3.4 | 2.2 | 1.1 | 1.1 |
| 85° | 5.5 | 4.5 | 3.4 | 3.4 | 2.2 | 2.2 | 2.2 | 1.1 | 1.1 | 0.0 | 0.0 |
| 87.5° | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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° | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 |
| 2.5° | 826.5 | 826.5 | 825.4 | 825.4 | 825.4 | 824.3 | 825.4 | 824.3 | 824.3 | 824.3 | 825.4 |
| 5° | 822.1 | 819.9 | 819.9 | 818.8 | 818.8 | 817.7 | 818.8 | 817.7 | 816.6 | 815.4 | 816.6 |
| 7.5° | 813.3 | 811.1 | 809.9 | 808.8 | 808.8 | 808.8 | 807.7 | 806.6 | 807.7 | 804.3 | 806.6 |
| 10° | 801.1 | 800.0 | 797.7 | 796.6 | 795.5 | 796.6 | 795.5 | 793.4 | 793.4 | 793.4 | 792.2 |
| 12.5° | 785.5 | 783.4 | 782.3 | 781.2 | 778.9 | 778.9 | 780.0 | 777.8 | 777.8 | 775.7 | 775.7 |
| 15° | 766.7 | 764.6 | 762.4 | 762.4 | 760.1 | 760.1 | 759.0 | 759.0 | 757.9 | 756.9 | 756.9 |
| 17.5° | 743.5 | 740.2 | 738.1 | 739.1 | 738.1 | 736.9 | 736.9 | 734.7 | 733.6 | 734.7 | 734.7 |
| 20° | 715.9 | 713.7 | 711.4 | 712.5 | 710.3 | 709.3 | 710.3 | 707.0 | 708.2 | 708.2 | 708.2 |
| 22.5° | 684.9 | 683.8 | 680.5 | 680.5 | 678.3 | 677.2 | 678.3 | 678.3 | 679.4 | 678.3 | 678.3 |
| 25° | 650.6 | 648.4 | 646.1 | 646.1 | 645.0 | 644.0 | 645.0 | 646.1 | 645.0 | 646.1 | 646.1 |
| 27.5° | 614.1 | 610.8 | 610.8 | 608.5 | 608.5 | 609.6 | 608.5 | 609.6 | 610.8 | 610.8 | 613.0 |
| 30° | 574.3 | 573.1 | 572.0 | 570.9 | 570.9 | 572.0 | 572.0 | 572.0 | 573.1 | 575.4 | 575.4 |
| 32.5° | 536.6 | 534.4 | 532.2 | 532.2 | 534.4 | 533.3 | 534.4 | 534.4 | 536.6 | 536.6 | 538.9 |
| 35° | 495.7 | 495.7 | 493.4 | 494.5 | 494.5 | 494.5 | 494.5 | 496.8 | 499.0 | 500.1 | 502.4 |
| 37.5° | 458.0 | 454.8 | 455.9 | 455.9 | 456.9 | 455.9 | 459.2 | 459.2 | 461.4 | 461.4 | 463.6 |
| 40° | 417.2 | 417.2 | 418.3 | 417.2 | 418.3 | 418.3 | 420.4 | 422.7 | 423.8 | 426.0 | 427.1 |
| 42.5° | 378.4 | 380.7 | 378.4 | 379.6 | 380.7 | 381.7 | 382.8 | 383.9 | 388.4 | 390.5 | 393.9 |
| 45° | 342.9 | 344.1 | 345.2 | 346.3 | 345.2 | 347.4 | 348.5 | 350.8 | 354.0 | 355.2 | 356.3 |
| 47.5° | 308.7 | 309.8 | 310.9 | 312.0 | 312.0 | 314.3 | 315.3 | 317.5 | 319.8 | 320.9 | 322.0 |
| 50° | 275.5 | 277.8 | 278.8 | 278.8 | 279.9 | 282.1 | 284.4 | 284.4 | 286.5 | 289.9 | 291.0 |
| 52.5° | 245.6 | 245.6 | 247.9 | 249.0 | 250.0 | 250.0 | 253.4 | 254.5 | 255.6 | 257.7 | 260.0 |
| 55° | 212.4 | 215.8 | 216.9 | 216.9 | 219.1 | 221.2 | 222.4 | 223.5 | 223.5 | 228.0 | 228.0 |
| 57.5° | 183.6 | 184.7 | 187.0 | 187.0 | 187.0 | 190.3 | 190.3 | 192.6 | 193.6 | 194.7 | 196.9 |
| 60° | 155.0 | 157.1 | 157.1 | 158.2 | 157.1 | 159.3 | 160.4 | 162.7 | 163.8 | 164.8 | 165.9 |
| 62.5° | 128.3 | 128.3 | 129.4 | 129.4 | 129.4 | 129.4 | 131.7 | 131.7 | 133.9 | 135.0 | 136.0 |
| 65° | 102.9 | 102.9 | 102.9 | 102.9 | 102.9 | 102.9 | 102.9 | 102.9 | 104.0 | 104.0 | 106.2 |
| 67.5° | 79.7 | 78.6 | 76.4 | 77.5 | 76.4 | 76.4 | 75.2 | 75.2 | 76.4 | 76.4 | 78.6 |
| 70° | 57.5 | 56.4 | 54.2 | 54.2 | 53.1 | 52.1 | 50.9 | 49.8 | 48.7 | 48.7 | 48.7 |
| 72.5° | 37.6 | 35.4 | 32.1 | 31.0 | 31.0 | 28.8 | 26.5 | 25.4 | 25.4 | 25.4 | 25.4 |
| 75° | 18.8 | 16.6 | 14.3 | 13.3 | 13.3 | 11.1 | 12.2 | 11.1 | 11.1 | 11.1 | 11.1 |
| 77.5° | 7.7 | 5.5 | 4.5 | 4.5 | 4.5 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 80° | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P583872

CATALOG NUMBER: HCC8W15D010BZ-HM80520835-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 | 828.8 |
| 2.5° | 824.3 | 824.3 | 822.1 | 823.3 | 823.3 | 823.3 | 823.3 | 823.3 |
| 5° | 814.3 | 815.4 | 814.3 | 815.4 | 815.4 | 814.3 | 814.3 | 814.3 |
| 7.5° | 804.3 | 805.5 | 804.3 | 805.5 | 805.5 | 805.5 | 804.3 | 804.3 |
| 10° | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 791.1 | 792.2 | 792.2 |
| 12.5° | 775.7 | 775.7 | 775.7 | 776.7 | 776.7 | 775.7 | 775.7 | 774.6 |
| 15° | 757.9 | 755.7 | 756.9 | 757.9 | 756.9 | 756.9 | 756.9 | 756.9 |
| 17.5° | 733.6 | 734.7 | 733.6 | 733.6 | 733.6 | 733.6 | 734.7 | 733.6 |
| 20° | 708.2 | 708.2 | 709.3 | 708.2 | 708.2 | 708.2 | 708.2 | 707.0 |
| 22.5° | 679.4 | 678.3 | 678.3 | 679.4 | 679.4 | 678.3 | 679.4 | 679.4 |
| 25° | 647.3 | 648.4 | 647.3 | 647.3 | 648.4 | 648.4 | 648.4 | 647.3 |
| 27.5° | 613.0 | 614.1 | 615.2 | 614.1 | 614.1 | 614.1 | 615.2 | 616.4 |
| 30° | 577.6 | 579.8 | 577.6 | 577.6 | 579.8 | 578.6 | 579.8 | 579.8 |
| 32.5° | 540.0 | 543.2 | 541.0 | 543.2 | 543.2 | 544.4 | 543.2 | 544.4 |
| 35° | 502.4 | 505.6 | 505.6 | 505.6 | 506.7 | 507.9 | 507.9 | 506.7 |
| 37.5° | 466.9 | 468.0 | 468.0 | 470.2 | 471.4 | 472.5 | 472.5 | 471.4 |
| 40° | 430.4 | 432.6 | 433.7 | 433.7 | 433.7 | 436.0 | 438.1 | 436.0 |
| 42.5° | 395.0 | 396.1 | 397.2 | 397.2 | 399.5 | 400.5 | 401.6 | 401.6 |
| 45° | 360.7 | 362.9 | 364.0 | 365.1 | 366.2 | 368.5 | 367.4 | 369.6 |
| 47.5° | 325.4 | 328.6 | 329.7 | 330.8 | 333.1 | 334.1 | 335.2 | 336.3 |
| 50° | 293.2 | 295.5 | 295.5 | 297.6 | 301.0 | 301.0 | 303.2 | 304.3 |
| 52.5° | 261.1 | 262.2 | 263.3 | 264.5 | 266.7 | 268.8 | 268.8 | 271.1 |
| 55° | 230.2 | 231.2 | 231.2 | 232.3 | 233.4 | 237.9 | 239.0 | 239.0 |
| 57.5° | 198.1 | 198.1 | 200.3 | 201.4 | 202.4 | 204.7 | 204.7 | 204.7 |
| 60° | 167.1 | 168.2 | 168.2 | 169.3 | 170.4 | 172.6 | 173.8 | 172.6 |
| 62.5° | 136.0 | 137.2 | 137.2 | 138.3 | 140.5 | 141.6 | 140.5 | 140.5 |
| 65° | 107.4 | 108.4 | 108.4 | 109.5 | 111.7 | 111.7 | 110.6 | 111.7 |
| 67.5° | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| 70° | 49.8 | 48.7 | 47.6 | 48.7 | 48.7 | 48.7 | 47.6 | 49.8 |
| 72.5° | 24.3 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 24.3 |
| 75° | 11.1 | 11.1 | 10.0 | 10.0 | 10.0 | 11.1 | 11.1 | 10.0 |
| 77.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report



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

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(END OF REPORT)