

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: P583845

Luminaire Tested: **HCC8S15D010MW-HM80520827-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S15D010MW-HM80520827-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

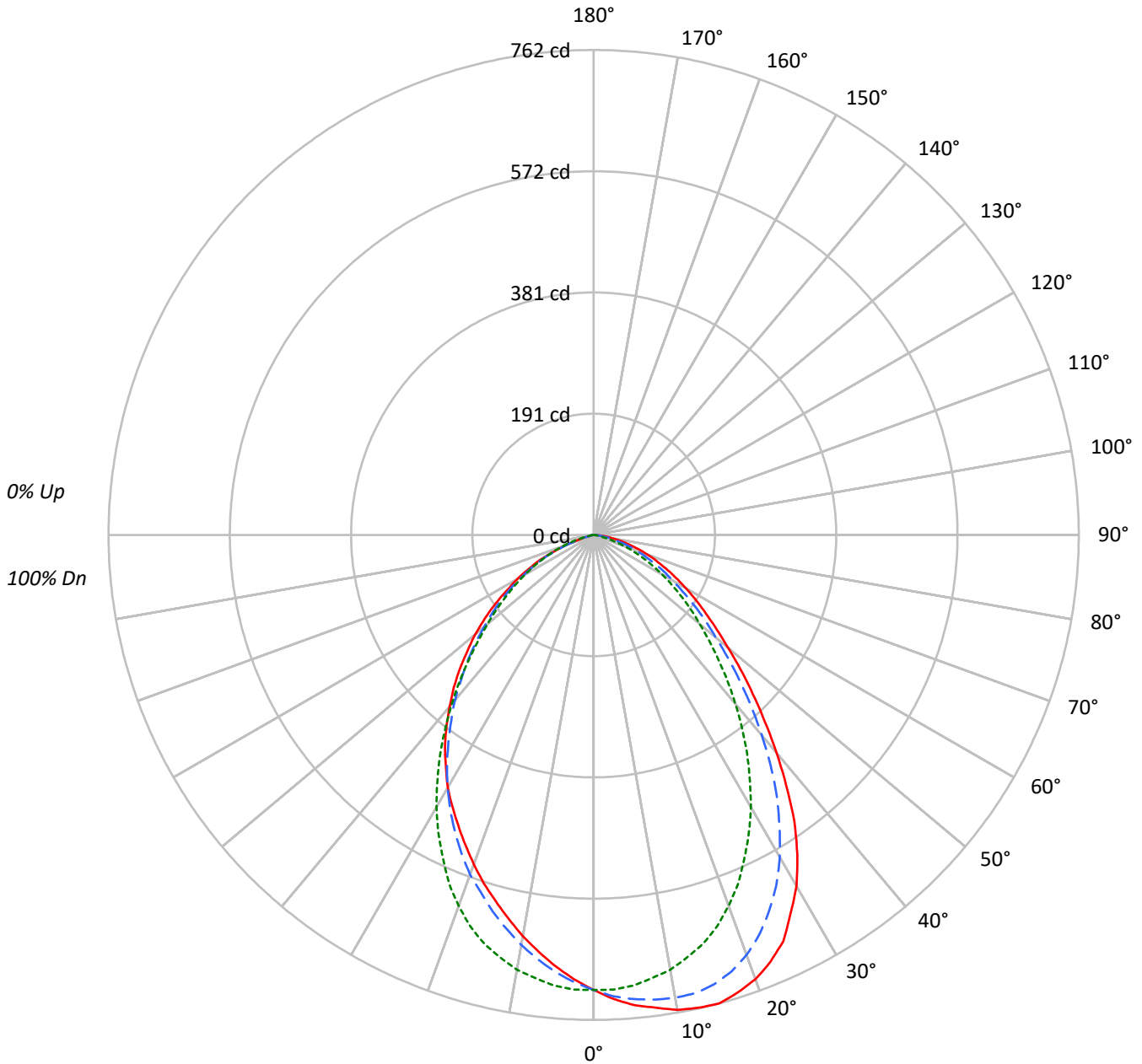
Lumens per Lamp: N/A
Luminaire Lumens: 1332.0 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P583845
CATALOG NUMBER: HCC8S15D010MW-HM80520827-81WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P583845

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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 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 71 | 77 | 73 | 69 | 67 | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 70 | 65 | 61 | 59 | | | |
| 5 | 82 | 70 | 63 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 53 | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 58 | 53 | 49 | 47 | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | |
| 9 | 62 | 50 | 43 | 37 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | |
| 10 | 59 | 47 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 22048 | 22048 | 22048 |
| 5° | 22962 | 22002 | 21074 |
| 10° | 23728 | 21721 | 20046 |
| 15° | 24333 | 21223 | 19008 |
| 20° | 24379 | 20345 | 18062 |
| 25° | 23967 | 19057 | 17128 |
| 30° | 22685 | 17583 | 16326 |
| 35° | 20682 | 15814 | 15332 |
| 40° | 17985 | 13940 | 14153 |
| 45° | 15429 | 12071 | 12961 |
| 50° | 13178 | 10410 | 11643 |
| 55° | 11553 | 8967 | 10113 |
| 60° | 10287 | 7647 | 8505 |
| 65° | 9128 | 6246 | 6786 |
| 70° | 8096 | 4625 | 3859 |
| 75° | 6743 | 2431 | 1144 |
| 80° | 5310 | 746 | 195 |
| 85° | 3786 | 389 | 0 |



TEST NUMBER: P583845
 CATALOG NUMBER: HCC8S15D010MW-HM80520827-81WWBB

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 67.4 | 5.1 |
| 10°-20° | 188.9 | 14.2 |
| 20°-30° | 267.3 | 20.1 |
| 30°-40° | 279.7 | 21.0 |
| 40°-50° | 233.2 | 17.5 |
| 50°-60° | 165.4 | 12.4 |
| 60°-70° | 95.3 | 7.2 |
| 70°-80° | 30.7 | 2.3 |
| 80°-90° | 4.2 | 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° | 523.5 | 39.3 |
| 0°-40° | 803.2 | 60.3 |
| 0°-60° | 1201.8 | 90.2 |
| 0°-90° | 1332.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1332.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 715 | 715 | 715 | 715 | 715 | |
| 5° | 742 | 732 | 711 | 689 | 681 | 71 |
| 15° | 762 | 731 | 665 | 612 | 595 | 214 |
| 25° | 704 | 652 | 560 | 515 | 503 | 321 |
| 35° | 549 | 501 | 420 | 398 | 407 | 341 |
| 45° | 354 | 325 | 277 | 280 | 297 | 274 |
| 55° | 215 | 192 | 167 | 175 | 188 | 194 |
| 65° | 125 | 105 | 86 | 86 | 93 | 125 |
| 75° | 57 | 42 | 20 | 10 | 10 | 61 |
| 85° | 11 | 5 | 1 | 0 | 0 | 13 |
| 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° | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 |
| 2.5° | 730.1 | 729.0 | 727.9 | 729.0 | 727.9 | 729.0 | 727.9 | 727.9 | 726.9 | 725.8 | 725.8 |
| 5° | 741.8 | 740.7 | 740.7 | 740.7 | 739.6 | 738.5 | 738.5 | 737.6 | 735.4 | 734.3 | 732.2 |
| 7.5° | 749.3 | 750.4 | 750.4 | 750.4 | 748.2 | 748.2 | 746.1 | 744.0 | 741.8 | 739.6 | 736.5 |
| 10° | 757.8 | 757.8 | 756.7 | 755.7 | 753.6 | 752.5 | 751.4 | 749.3 | 746.1 | 741.8 | 738.5 |
| 12.5° | 761.1 | 761.1 | 760.0 | 757.8 | 756.7 | 755.7 | 754.7 | 751.4 | 747.1 | 741.8 | 737.6 |
| 15° | 762.2 | 760.0 | 758.9 | 757.8 | 755.7 | 752.5 | 752.5 | 748.2 | 742.9 | 736.5 | 731.1 |
| 17.5° | 753.6 | 754.7 | 752.5 | 750.4 | 747.1 | 745.1 | 741.8 | 738.5 | 732.2 | 724.7 | 719.4 |
| 20° | 742.9 | 741.8 | 740.7 | 737.6 | 733.2 | 732.2 | 729.0 | 723.6 | 718.3 | 709.7 | 702.3 |
| 22.5° | 725.8 | 724.7 | 722.5 | 720.5 | 716.1 | 714.0 | 710.8 | 704.4 | 697.0 | 688.4 | 679.9 |
| 25° | 704.4 | 702.3 | 699.0 | 694.8 | 691.5 | 689.4 | 685.2 | 678.8 | 670.2 | 660.6 | 652.0 |
| 27.5° | 670.2 | 673.4 | 671.3 | 664.8 | 661.7 | 657.3 | 656.2 | 647.7 | 640.2 | 630.7 | 621.1 |
| 30° | 637.1 | 637.1 | 633.8 | 630.7 | 625.3 | 622.1 | 617.8 | 611.4 | 603.9 | 592.1 | 584.7 |
| 32.5° | 595.4 | 594.3 | 590.0 | 589.0 | 584.7 | 578.3 | 577.2 | 568.6 | 561.2 | 552.6 | 543.0 |
| 35° | 549.4 | 547.3 | 543.0 | 539.8 | 537.7 | 534.4 | 531.3 | 523.8 | 516.2 | 507.7 | 501.3 |
| 37.5° | 497.1 | 497.1 | 496.0 | 490.7 | 488.5 | 486.3 | 483.1 | 475.6 | 471.4 | 462.8 | 456.5 |
| 40° | 446.8 | 445.7 | 442.5 | 441.4 | 439.3 | 436.1 | 433.9 | 429.7 | 423.3 | 416.8 | 410.4 |
| 42.5° | 397.7 | 398.7 | 394.4 | 395.5 | 391.3 | 389.1 | 388.0 | 381.6 | 378.4 | 372.0 | 366.7 |
| 45° | 353.8 | 352.7 | 350.7 | 349.6 | 347.4 | 345.2 | 343.1 | 339.9 | 334.5 | 328.1 | 325.0 |
| 47.5° | 313.2 | 309.9 | 309.9 | 309.0 | 307.9 | 303.5 | 302.5 | 299.3 | 296.1 | 289.7 | 285.3 |
| 50° | 274.7 | 274.7 | 274.7 | 273.7 | 270.4 | 269.3 | 267.3 | 264.0 | 260.8 | 256.5 | 250.2 |
| 52.5° | 243.7 | 243.7 | 243.7 | 242.7 | 238.3 | 237.3 | 236.2 | 232.0 | 227.6 | 224.5 | 220.2 |
| 55° | 214.9 | 215.9 | 214.9 | 212.7 | 209.5 | 209.5 | 206.3 | 204.1 | 199.9 | 196.7 | 192.4 |
| 57.5° | 190.3 | 190.3 | 188.1 | 187.0 | 185.0 | 183.9 | 181.7 | 179.5 | 174.2 | 171.0 | 165.7 |
| 60° | 166.8 | 165.7 | 165.7 | 163.5 | 161.3 | 159.3 | 158.2 | 155.0 | 152.8 | 147.5 | 143.3 |
| 62.5° | 145.3 | 145.3 | 143.3 | 143.3 | 138.9 | 138.9 | 137.9 | 134.7 | 131.5 | 126.2 | 124.0 |
| 65° | 125.1 | 125.1 | 124.0 | 122.9 | 119.7 | 118.7 | 117.6 | 114.4 | 111.2 | 108.0 | 104.7 |
| 67.5° | 106.9 | 106.9 | 104.7 | 103.6 | 101.6 | 100.5 | 98.3 | 96.2 | 93.0 | 89.8 | 86.6 |
| 70° | 89.8 | 88.7 | 87.6 | 86.6 | 84.5 | 83.4 | 81.2 | 79.0 | 75.9 | 73.7 | 70.5 |
| 72.5° | 72.7 | 72.7 | 71.6 | 69.5 | 68.4 | 67.4 | 66.3 | 64.1 | 61.0 | 57.7 | 55.6 |
| 75° | 56.6 | 56.6 | 56.6 | 54.5 | 52.4 | 51.3 | 51.3 | 49.2 | 47.0 | 43.9 | 41.7 |
| 77.5° | 43.9 | 42.8 | 41.7 | 41.7 | 39.5 | 38.4 | 37.4 | 36.4 | 33.1 | 32.1 | 29.9 |
| 80° | 29.9 | 31.0 | 29.9 | 28.9 | 27.8 | 26.8 | 26.8 | 24.6 | 23.5 | 21.3 | 19.3 |
| 82.5° | 20.4 | 19.3 | 19.3 | 18.2 | 18.2 | 17.1 | 17.1 | 14.9 | 13.9 | 12.8 | 11.8 |
| 85° | 10.7 | 10.7 | 9.6 | 9.6 | 9.6 | 8.6 | 8.6 | 7.5 | 7.5 | 6.4 | 5.3 |
| 87.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 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° | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 |
| 2.5° | 724.7 | 722.5 | 721.6 | 721.6 | 720.5 | 719.4 | 718.3 | 717.2 | 715.0 | 715.0 | 713.0 |
| 5° | 730.1 | 727.9 | 726.9 | 723.6 | 721.6 | 721.6 | 717.2 | 716.1 | 713.0 | 710.8 | 708.7 |
| 7.5° | 734.3 | 730.1 | 726.9 | 723.6 | 721.6 | 719.4 | 715.0 | 710.8 | 706.5 | 702.3 | 700.1 |
| 10° | 734.3 | 730.1 | 724.7 | 719.4 | 717.2 | 715.0 | 709.7 | 703.4 | 697.9 | 693.7 | 688.4 |
| 12.5° | 732.2 | 725.8 | 719.4 | 715.0 | 710.8 | 707.6 | 701.2 | 694.8 | 688.4 | 679.9 | 675.5 |
| 15° | 725.8 | 717.2 | 710.8 | 703.4 | 700.1 | 694.8 | 689.4 | 679.9 | 672.4 | 664.8 | 659.5 |
| 17.5° | 713.0 | 702.3 | 694.8 | 687.3 | 681.9 | 678.8 | 670.2 | 661.7 | 653.1 | 644.6 | 638.2 |
| 20° | 693.7 | 684.1 | 675.5 | 665.9 | 661.7 | 657.3 | 646.7 | 638.2 | 629.6 | 620.0 | 613.6 |
| 22.5° | 670.2 | 660.6 | 648.8 | 641.3 | 634.9 | 629.6 | 620.0 | 610.3 | 601.8 | 593.2 | 584.7 |
| 25° | 641.3 | 631.7 | 621.1 | 609.2 | 605.0 | 599.6 | 589.0 | 579.4 | 569.7 | 560.1 | 552.6 |
| 27.5° | 610.3 | 597.6 | 589.0 | 576.1 | 571.9 | 566.5 | 554.8 | 544.1 | 535.5 | 528.0 | 519.5 |
| 30° | 573.0 | 563.3 | 551.5 | 539.8 | 535.5 | 530.2 | 520.6 | 510.9 | 502.4 | 493.8 | 485.3 |
| 32.5° | 532.2 | 522.7 | 510.9 | 502.4 | 496.0 | 491.6 | 482.1 | 473.6 | 465.0 | 456.5 | 449.0 |
| 35° | 489.6 | 478.9 | 470.3 | 461.8 | 456.5 | 451.0 | 441.4 | 433.9 | 427.5 | 420.1 | 412.6 |
| 37.5° | 445.7 | 438.3 | 429.7 | 420.1 | 414.8 | 410.4 | 403.0 | 394.4 | 389.1 | 382.7 | 377.3 |
| 40° | 403.0 | 394.4 | 386.9 | 378.4 | 374.2 | 370.9 | 363.4 | 357.0 | 351.6 | 346.3 | 343.1 |
| 42.5° | 359.1 | 351.6 | 344.1 | 338.8 | 335.6 | 332.5 | 327.0 | 319.6 | 316.4 | 311.0 | 307.9 |
| 45° | 318.5 | 312.1 | 306.8 | 299.3 | 297.2 | 295.0 | 288.6 | 283.3 | 280.0 | 276.8 | 274.7 |
| 47.5° | 280.0 | 275.8 | 269.3 | 265.1 | 261.8 | 259.8 | 255.5 | 251.2 | 248.0 | 245.8 | 243.7 |
| 50° | 246.9 | 241.6 | 237.3 | 233.0 | 230.9 | 227.6 | 223.4 | 221.2 | 219.1 | 217.0 | 217.0 |
| 52.5° | 215.9 | 210.5 | 206.3 | 203.0 | 201.0 | 198.8 | 195.6 | 194.5 | 192.4 | 192.4 | 191.4 |
| 55° | 187.0 | 183.9 | 179.5 | 175.3 | 174.2 | 173.2 | 171.0 | 168.9 | 167.9 | 166.8 | 167.9 |
| 57.5° | 162.4 | 159.3 | 155.0 | 151.8 | 150.7 | 149.7 | 148.6 | 146.4 | 145.3 | 145.3 | 145.3 |
| 60° | 140.0 | 136.8 | 133.6 | 130.4 | 130.4 | 128.2 | 127.2 | 126.2 | 125.1 | 124.0 | 124.0 |
| 62.5° | 119.7 | 116.5 | 113.3 | 111.2 | 110.1 | 109.1 | 106.9 | 105.8 | 104.7 | 104.7 | 103.6 |
| 65° | 101.6 | 97.2 | 96.2 | 93.0 | 91.9 | 90.9 | 89.8 | 87.6 | 86.6 | 85.6 | 84.5 |
| 67.5° | 83.4 | 81.2 | 78.1 | 75.9 | 74.8 | 73.7 | 72.7 | 70.5 | 69.5 | 68.4 | 66.3 |
| 70° | 67.4 | 65.2 | 63.0 | 61.0 | 59.9 | 58.8 | 56.6 | 54.5 | 53.5 | 51.3 | 48.1 |
| 72.5° | 52.4 | 50.2 | 48.1 | 45.9 | 44.9 | 43.9 | 41.7 | 39.5 | 37.4 | 35.3 | 33.1 |
| 75° | 39.5 | 37.4 | 34.2 | 32.1 | 31.0 | 31.0 | 27.8 | 25.7 | 23.5 | 20.4 | 18.2 |
| 77.5° | 27.8 | 24.6 | 23.5 | 21.3 | 20.4 | 18.2 | 16.0 | 13.9 | 11.8 | 10.7 | 8.6 |
| 80° | 18.2 | 16.0 | 13.9 | 12.8 | 11.8 | 10.7 | 9.6 | 7.5 | 5.3 | 4.2 | 3.3 |
| 82.5° | 10.7 | 9.6 | 8.6 | 7.5 | 6.4 | 5.3 | 4.2 | 4.2 | 3.3 | 2.2 | 1.1 |
| 85° | 5.3 | 4.2 | 3.3 | 3.3 | 2.2 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 87.5° | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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° | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 |
| 2.5° | 711.9 | 710.8 | 709.7 | 708.7 | 708.7 | 706.5 | 706.5 | 705.4 | 703.4 | 702.3 | 702.3 |
| 5° | 705.4 | 702.3 | 700.1 | 699.0 | 697.9 | 694.8 | 693.7 | 691.5 | 689.4 | 687.3 | 686.2 |
| 7.5° | 695.9 | 690.5 | 688.4 | 687.3 | 684.1 | 680.8 | 678.8 | 675.5 | 672.4 | 669.1 | 668.1 |
| 10° | 684.1 | 678.8 | 673.4 | 671.3 | 668.1 | 665.9 | 661.7 | 657.3 | 654.2 | 650.9 | 647.7 |
| 12.5° | 669.1 | 662.8 | 657.3 | 655.3 | 652.0 | 647.7 | 641.3 | 639.3 | 633.8 | 631.7 | 627.4 |
| 15° | 652.0 | 644.6 | 639.3 | 636.0 | 632.7 | 626.4 | 622.1 | 617.8 | 612.5 | 610.3 | 606.1 |
| 17.5° | 630.7 | 622.1 | 616.7 | 613.6 | 611.4 | 606.1 | 599.6 | 594.3 | 589.0 | 586.8 | 583.6 |
| 20° | 605.0 | 599.6 | 592.1 | 589.0 | 586.8 | 580.4 | 573.9 | 571.9 | 567.6 | 563.3 | 560.1 |
| 22.5° | 576.1 | 570.8 | 563.3 | 560.1 | 559.0 | 553.7 | 548.4 | 545.1 | 541.9 | 538.8 | 535.5 |
| 25° | 546.2 | 539.8 | 533.3 | 531.3 | 529.1 | 524.8 | 520.6 | 518.4 | 515.3 | 513.1 | 510.9 |
| 27.5° | 514.2 | 507.7 | 502.4 | 499.1 | 497.1 | 493.8 | 491.6 | 489.6 | 487.4 | 485.3 | 484.2 |
| 30° | 480.0 | 473.6 | 469.2 | 467.1 | 465.0 | 463.9 | 460.7 | 459.6 | 458.5 | 456.5 | 457.5 |
| 32.5° | 445.7 | 440.4 | 436.1 | 433.0 | 433.0 | 430.8 | 429.7 | 429.7 | 428.6 | 428.6 | 428.6 |
| 35° | 408.4 | 405.1 | 401.9 | 400.8 | 399.8 | 398.7 | 397.7 | 398.7 | 397.7 | 398.7 | 399.8 |
| 37.5° | 374.2 | 370.9 | 368.7 | 367.6 | 366.7 | 367.6 | 366.7 | 366.7 | 367.6 | 369.8 | 370.9 |
| 40° | 338.8 | 336.7 | 334.5 | 335.6 | 334.5 | 334.5 | 334.5 | 337.8 | 338.8 | 339.9 | 341.0 |
| 42.5° | 305.7 | 303.5 | 302.5 | 302.5 | 303.5 | 302.5 | 304.6 | 305.7 | 307.9 | 311.0 | 313.2 |
| 45° | 273.7 | 272.6 | 272.6 | 273.7 | 272.6 | 274.7 | 274.7 | 276.8 | 280.0 | 282.2 | 284.4 |
| 47.5° | 243.7 | 243.7 | 243.7 | 244.7 | 244.7 | 245.8 | 248.0 | 249.1 | 251.2 | 253.3 | 255.5 |
| 50° | 215.9 | 217.0 | 218.1 | 218.1 | 218.1 | 220.2 | 222.3 | 223.4 | 224.5 | 225.6 | 228.7 |
| 52.5° | 191.4 | 192.4 | 192.4 | 193.5 | 194.5 | 195.6 | 196.7 | 198.8 | 199.9 | 202.1 | 203.0 |
| 55° | 167.9 | 167.9 | 169.9 | 171.0 | 171.0 | 171.0 | 173.2 | 173.2 | 175.3 | 176.4 | 178.5 |
| 57.5° | 145.3 | 146.4 | 146.4 | 147.5 | 147.5 | 148.6 | 149.7 | 150.7 | 151.8 | 152.8 | 153.9 |
| 60° | 124.0 | 124.0 | 124.0 | 125.1 | 126.2 | 127.2 | 126.2 | 128.2 | 128.2 | 130.4 | 131.5 |
| 62.5° | 103.6 | 104.7 | 104.7 | 104.7 | 104.7 | 104.7 | 104.7 | 105.8 | 106.9 | 108.0 | 109.1 |
| 65° | 84.5 | 84.5 | 84.5 | 83.4 | 84.5 | 83.4 | 84.5 | 85.6 | 85.6 | 86.6 | 87.6 |
| 67.5° | 65.2 | 65.2 | 63.0 | 63.0 | 64.1 | 64.1 | 64.1 | 64.1 | 63.0 | 65.2 | 65.2 |
| 70° | 47.0 | 45.9 | 44.9 | 43.9 | 43.9 | 42.8 | 42.8 | 41.7 | 41.7 | 41.7 | 41.7 |
| 72.5° | 31.0 | 28.9 | 26.8 | 25.7 | 24.6 | 24.6 | 22.4 | 21.3 | 22.4 | 22.4 | 22.4 |
| 75° | 16.0 | 13.9 | 12.8 | 11.8 | 10.7 | 10.7 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| 77.5° | 6.4 | 5.3 | 4.2 | 4.2 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 80° | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 85° | 1.1 | 0.0 | 0.0 | 1.1 | 0.0 | 1.1 | 1.1 | 1.1 | 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: P583845

CATALOG NUMBER: HCC8S15D010MW-HM80520827-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 | 715.0 |
| 2.5° | 701.2 | 701.2 | 700.1 | 701.2 | 699.0 | 700.1 | 699.0 | 699.0 |
| 5° | 685.2 | 683.0 | 683.0 | 683.0 | 681.9 | 681.9 | 680.8 | 680.8 |
| 7.5° | 665.9 | 664.8 | 663.8 | 662.8 | 661.7 | 660.6 | 660.6 | 660.6 |
| 10° | 646.7 | 644.6 | 644.6 | 643.5 | 641.3 | 640.2 | 640.2 | 640.2 |
| 12.5° | 624.2 | 623.1 | 622.1 | 622.1 | 617.8 | 618.9 | 617.8 | 617.8 |
| 15° | 602.9 | 601.8 | 601.8 | 598.5 | 596.5 | 596.5 | 596.5 | 595.4 |
| 17.5° | 580.4 | 579.4 | 578.3 | 576.1 | 573.9 | 573.9 | 573.0 | 573.9 |
| 20° | 557.0 | 555.9 | 553.7 | 553.7 | 552.6 | 551.5 | 549.4 | 550.4 |
| 22.5° | 533.3 | 531.3 | 530.2 | 530.2 | 529.1 | 529.1 | 526.9 | 526.9 |
| 25° | 508.8 | 507.7 | 506.7 | 507.7 | 505.6 | 505.6 | 503.4 | 503.4 |
| 27.5° | 483.1 | 482.1 | 482.1 | 482.1 | 481.0 | 482.1 | 481.0 | 481.0 |
| 30° | 457.5 | 457.5 | 456.5 | 456.5 | 457.5 | 456.5 | 457.5 | 458.5 |
| 32.5° | 429.7 | 429.7 | 430.8 | 430.8 | 431.9 | 431.9 | 431.9 | 431.9 |
| 35° | 400.8 | 403.0 | 403.0 | 404.0 | 405.1 | 406.2 | 406.2 | 407.3 |
| 37.5° | 374.2 | 375.2 | 376.2 | 377.3 | 379.5 | 379.5 | 379.5 | 379.5 |
| 40° | 345.2 | 346.3 | 348.5 | 347.4 | 351.6 | 352.7 | 351.6 | 351.6 |
| 42.5° | 315.3 | 317.5 | 318.5 | 320.7 | 321.7 | 323.9 | 325.0 | 325.0 |
| 45° | 287.5 | 288.6 | 290.8 | 292.9 | 293.9 | 297.2 | 297.2 | 297.2 |
| 47.5° | 258.7 | 260.8 | 261.8 | 264.0 | 265.1 | 268.2 | 269.3 | 268.2 |
| 50° | 230.9 | 233.0 | 235.1 | 235.1 | 238.3 | 239.4 | 241.6 | 242.7 |
| 52.5° | 204.1 | 205.2 | 207.4 | 208.5 | 210.5 | 212.7 | 213.8 | 214.9 |
| 55° | 178.5 | 179.5 | 181.7 | 181.7 | 185.0 | 185.9 | 188.1 | 188.1 |
| 57.5° | 155.0 | 156.0 | 158.2 | 157.1 | 159.3 | 161.3 | 161.3 | 160.4 |
| 60° | 132.6 | 132.6 | 132.6 | 134.7 | 135.8 | 136.8 | 137.9 | 137.9 |
| 62.5° | 109.1 | 111.2 | 112.2 | 112.2 | 113.3 | 114.4 | 114.4 | 113.3 |
| 65° | 87.6 | 89.8 | 90.9 | 90.9 | 91.9 | 91.9 | 91.9 | 93.0 |
| 67.5° | 66.3 | 66.3 | 66.3 | 67.4 | 66.3 | 66.3 | 66.3 | 66.3 |
| 70° | 41.7 | 41.7 | 41.7 | 41.7 | 40.6 | 41.7 | 41.7 | 42.8 |
| 72.5° | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 |
| 75° | 9.6 | 9.6 | 9.6 | 10.7 | 9.6 | 9.6 | 9.6 | 9.6 |
| 77.5° | 4.2 | 3.3 | 4.2 | 4.2 | 3.3 | 3.3 | 3.3 | 3.3 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 85° | 0.0 | 1.1 | 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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Scaled Data Report



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

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(END OF REPORT)