

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: P583947

Luminaire Tested: **HCC8W15D010MB-HM80520935-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583947
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: HCC8W15D010MB-HM80520935-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

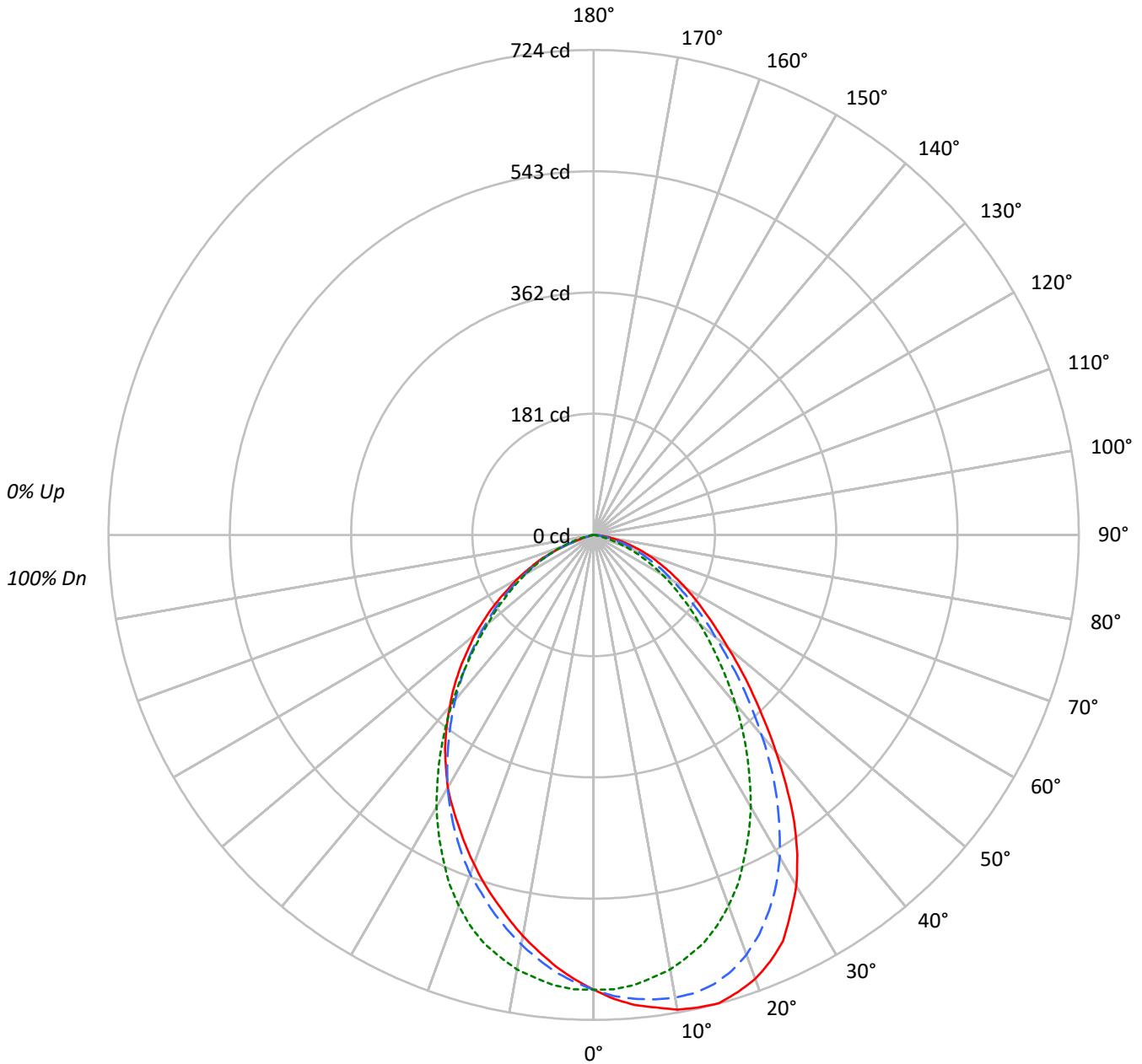
Lumens per Lamp: N/A
Luminaire Lumens: 1264.8 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): 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: P583947
CATALOG NUMBER: HCC8W15D010MB-HM80520935-81WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P583947

CATALOG NUMBER: HCC8W15D010MB-HM80520935-81WWBB

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° | 20938 | 20938 | 20938 |
| 5° | 21804 | 20894 | 20015 |
| 10° | 22532 | 20628 | 19038 |
| 15° | 23103 | 20154 | 18050 |
| 20° | 23148 | 19322 | 17153 |
| 25° | 22759 | 18097 | 16264 |
| 30° | 21538 | 16700 | 15507 |
| 35° | 19643 | 15016 | 14557 |
| 40° | 17080 | 13235 | 13441 |
| 45° | 14653 | 11465 | 12306 |
| 50° | 12516 | 9887 | 11053 |
| 55° | 10967 | 8510 | 9607 |
| 60° | 9763 | 7259 | 8079 |
| 65° | 8668 | 5925 | 6443 |
| 70° | 7691 | 4391 | 3660 |
| 75° | 6398 | 2299 | 1096 |
| 80° | 5043 | 728 | 178 |
| 85° | 3573 | 354 | 0 |



TEST NUMBER: P583947
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 64.0 | 5.1 |
| 10°-20° | 179.3 | 14.2 |
| 20°-30° | 253.8 | 20.1 |
| 30°-40° | 265.6 | 21.0 |
| 40°-50° | 221.5 | 17.5 |
| 50°-60° | 157.1 | 12.4 |
| 60°-70° | 90.5 | 7.2 |
| 70°-80° | 29.1 | 2.3 |
| 80°-90° | 4.0 | 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° | 497.1 | 39.3 |
| 0°-40° | 762.7 | 60.3 |
| 0°-60° | 1141.3 | 90.2 |
| 0°-90° | 1264.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1264.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 679 | 679 | 679 | 679 | 679 | |
| 5° | 704 | 695 | 675 | 655 | 647 | 68 |
| 15° | 724 | 694 | 631 | 582 | 565 | 203 |
| 25° | 669 | 619 | 532 | 489 | 478 | 305 |
| 35° | 522 | 476 | 399 | 378 | 387 | 323 |
| 45° | 336 | 309 | 263 | 266 | 282 | 260 |
| 55° | 204 | 183 | 158 | 166 | 179 | 184 |
| 65° | 119 | 99 | 81 | 81 | 88 | 119 |
| 75° | 54 | 40 | 19 | 9 | 9 | 58 |
| 85° | 10 | 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° | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 |
| 2.5° | 693.2 | 692.3 | 691.2 | 692.3 | 691.2 | 692.3 | 691.2 | 691.2 | 690.2 | 689.1 | 689.1 |
| 5° | 704.4 | 703.4 | 703.4 | 703.4 | 702.4 | 701.4 | 701.4 | 700.3 | 698.3 | 697.3 | 695.3 |
| 7.5° | 711.6 | 712.5 | 712.5 | 712.5 | 710.5 | 710.5 | 708.4 | 706.5 | 704.4 | 702.4 | 699.4 |
| 10° | 719.6 | 719.6 | 718.7 | 717.6 | 715.5 | 714.6 | 713.6 | 711.6 | 708.4 | 704.4 | 701.4 |
| 12.5° | 722.6 | 722.6 | 721.7 | 719.6 | 718.7 | 717.6 | 716.6 | 713.6 | 709.5 | 704.4 | 700.3 |
| 15° | 723.7 | 721.7 | 720.7 | 719.6 | 717.6 | 714.6 | 714.6 | 710.5 | 705.4 | 699.4 | 694.3 |
| 17.5° | 715.5 | 716.6 | 714.6 | 712.5 | 709.5 | 707.5 | 704.4 | 701.4 | 695.3 | 688.2 | 683.1 |
| 20° | 705.4 | 704.4 | 703.4 | 700.3 | 696.2 | 695.3 | 692.3 | 687.2 | 682.0 | 674.0 | 666.8 |
| 22.5° | 689.1 | 688.2 | 686.1 | 684.1 | 680.1 | 678.1 | 675.0 | 668.9 | 661.8 | 653.7 | 645.5 |
| 25° | 668.9 | 666.8 | 663.8 | 659.7 | 656.7 | 654.7 | 650.6 | 644.6 | 636.4 | 627.3 | 619.1 |
| 27.5° | 636.4 | 639.5 | 637.4 | 631.3 | 628.3 | 624.2 | 623.2 | 615.2 | 608.0 | 598.9 | 589.7 |
| 30° | 604.9 | 604.9 | 601.9 | 598.9 | 593.8 | 590.7 | 586.7 | 580.6 | 573.5 | 562.4 | 555.3 |
| 32.5° | 565.4 | 564.3 | 560.3 | 559.2 | 555.3 | 549.1 | 548.2 | 540.0 | 532.9 | 524.8 | 515.6 |
| 35° | 521.8 | 519.7 | 515.6 | 512.6 | 510.6 | 507.5 | 504.4 | 497.3 | 490.2 | 482.1 | 476.1 |
| 37.5° | 472.0 | 472.0 | 470.9 | 465.9 | 463.8 | 461.9 | 458.7 | 451.6 | 447.7 | 439.5 | 433.4 |
| 40° | 424.3 | 423.3 | 420.2 | 419.2 | 417.2 | 414.2 | 412.1 | 408.0 | 402.0 | 395.8 | 389.8 |
| 42.5° | 377.5 | 378.6 | 374.5 | 375.6 | 371.5 | 369.5 | 368.5 | 362.3 | 359.3 | 353.2 | 348.1 |
| 45° | 336.0 | 335.0 | 332.9 | 331.9 | 329.9 | 327.9 | 325.8 | 322.8 | 317.6 | 311.6 | 308.6 |
| 47.5° | 297.4 | 294.4 | 294.4 | 293.3 | 292.3 | 288.2 | 287.3 | 284.3 | 281.1 | 275.1 | 271.0 |
| 50° | 260.9 | 260.9 | 260.9 | 259.8 | 256.8 | 255.8 | 253.8 | 250.8 | 247.6 | 243.7 | 237.5 |
| 52.5° | 231.5 | 231.5 | 231.5 | 230.4 | 226.3 | 225.3 | 224.4 | 220.3 | 216.2 | 213.2 | 209.1 |
| 55° | 204.0 | 205.1 | 204.0 | 202.0 | 198.9 | 198.9 | 195.9 | 193.9 | 189.8 | 186.8 | 182.7 |
| 57.5° | 180.6 | 180.6 | 178.7 | 177.6 | 175.6 | 174.6 | 172.6 | 170.5 | 165.4 | 162.4 | 157.4 |
| 60° | 158.3 | 157.4 | 157.4 | 155.3 | 153.3 | 151.2 | 150.3 | 147.1 | 145.2 | 140.0 | 136.0 |
| 62.5° | 138.1 | 138.1 | 136.0 | 136.0 | 131.9 | 131.9 | 131.0 | 127.9 | 124.8 | 119.8 | 117.7 |
| 65° | 118.8 | 118.8 | 117.7 | 116.8 | 113.6 | 112.7 | 111.7 | 108.6 | 105.6 | 102.5 | 99.4 |
| 67.5° | 101.5 | 101.5 | 99.4 | 98.4 | 96.4 | 95.4 | 93.4 | 91.3 | 88.3 | 85.3 | 82.2 |
| 70° | 85.3 | 84.2 | 83.3 | 82.2 | 80.1 | 79.2 | 77.1 | 75.1 | 72.1 | 70.0 | 67.0 |
| 72.5° | 69.0 | 69.0 | 68.0 | 66.0 | 64.9 | 64.0 | 62.9 | 60.9 | 57.8 | 54.8 | 52.8 |
| 75° | 53.7 | 53.7 | 53.7 | 51.8 | 49.8 | 48.7 | 48.7 | 46.6 | 44.7 | 41.6 | 39.6 |
| 77.5° | 41.6 | 40.6 | 39.6 | 39.6 | 37.6 | 36.5 | 35.5 | 34.5 | 31.5 | 30.5 | 28.4 |
| 80° | 28.4 | 29.4 | 28.4 | 27.4 | 26.4 | 25.4 | 25.4 | 23.4 | 22.3 | 20.2 | 18.3 |
| 82.5° | 19.3 | 18.3 | 18.3 | 17.2 | 17.2 | 16.3 | 16.3 | 14.2 | 13.3 | 12.2 | 11.2 |
| 85° | 10.1 | 10.1 | 9.2 | 9.2 | 9.2 | 8.1 | 8.1 | 7.1 | 7.1 | 6.1 | 5.1 |
| 87.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 |
| 2.5° | 688.2 | 686.1 | 685.2 | 685.2 | 684.1 | 683.1 | 682.0 | 681.1 | 679.0 | 679.0 | 677.0 |
| 5° | 693.2 | 691.2 | 690.2 | 687.2 | 685.2 | 685.2 | 681.1 | 680.1 | 677.0 | 675.0 | 673.0 |
| 7.5° | 697.3 | 693.2 | 690.2 | 687.2 | 685.2 | 683.1 | 679.0 | 675.0 | 670.9 | 666.8 | 664.8 |
| 10° | 697.3 | 693.2 | 688.2 | 683.1 | 681.1 | 679.0 | 674.0 | 667.9 | 662.8 | 658.8 | 653.7 |
| 12.5° | 695.3 | 689.1 | 683.1 | 679.0 | 675.0 | 671.9 | 665.9 | 659.7 | 653.7 | 645.5 | 641.5 |
| 15° | 689.1 | 681.1 | 675.0 | 667.9 | 664.8 | 659.7 | 654.7 | 645.5 | 638.4 | 631.3 | 626.2 |
| 17.5° | 677.0 | 666.8 | 659.7 | 652.6 | 647.6 | 644.6 | 636.4 | 628.3 | 620.2 | 612.0 | 606.0 |
| 20° | 658.8 | 649.6 | 641.5 | 632.4 | 628.3 | 624.2 | 614.1 | 606.0 | 597.8 | 588.8 | 582.6 |
| 22.5° | 636.4 | 627.3 | 616.1 | 609.0 | 602.9 | 597.8 | 588.8 | 579.6 | 571.4 | 563.3 | 555.3 |
| 25° | 609.0 | 599.8 | 589.7 | 578.5 | 574.5 | 569.4 | 559.2 | 550.1 | 541.0 | 531.9 | 524.8 |
| 27.5° | 579.6 | 567.4 | 559.2 | 547.1 | 543.0 | 537.9 | 526.8 | 516.6 | 508.5 | 501.4 | 493.3 |
| 30° | 544.1 | 534.9 | 523.7 | 512.6 | 508.5 | 503.4 | 494.3 | 485.1 | 477.1 | 469.0 | 460.8 |
| 32.5° | 505.5 | 496.3 | 485.1 | 477.1 | 470.9 | 466.9 | 457.8 | 449.7 | 441.5 | 433.4 | 426.3 |
| 35° | 464.9 | 454.8 | 446.6 | 438.5 | 433.4 | 428.4 | 419.2 | 412.1 | 406.0 | 398.9 | 391.7 |
| 37.5° | 423.3 | 416.2 | 408.0 | 398.9 | 393.8 | 389.8 | 382.7 | 374.5 | 369.5 | 363.4 | 358.2 |
| 40° | 382.7 | 374.5 | 367.4 | 359.3 | 355.2 | 352.2 | 345.1 | 339.0 | 333.9 | 328.8 | 325.8 |
| 42.5° | 341.0 | 333.9 | 326.8 | 321.7 | 318.7 | 315.7 | 310.6 | 303.5 | 300.4 | 295.3 | 292.3 |
| 45° | 302.5 | 296.4 | 291.2 | 284.3 | 282.2 | 280.2 | 274.0 | 269.0 | 265.9 | 262.9 | 260.9 |
| 47.5° | 265.9 | 261.8 | 255.8 | 251.7 | 248.7 | 246.7 | 242.6 | 238.5 | 235.5 | 233.4 | 231.5 |
| 50° | 234.5 | 229.4 | 225.3 | 221.2 | 219.2 | 216.2 | 212.1 | 210.2 | 208.1 | 206.1 | 206.1 |
| 52.5° | 205.1 | 199.9 | 195.9 | 192.8 | 190.9 | 188.8 | 185.7 | 184.7 | 182.7 | 182.7 | 181.7 |
| 55° | 177.6 | 174.6 | 170.5 | 166.4 | 165.4 | 164.5 | 162.4 | 160.4 | 159.3 | 158.3 | 159.3 |
| 57.5° | 154.2 | 151.2 | 147.1 | 144.1 | 143.2 | 142.1 | 141.1 | 139.1 | 138.1 | 138.1 | 138.1 |
| 60° | 132.9 | 129.9 | 126.9 | 123.9 | 123.9 | 121.8 | 120.7 | 119.8 | 118.8 | 117.7 | 117.7 |
| 62.5° | 113.6 | 110.6 | 107.6 | 105.6 | 104.6 | 103.5 | 101.5 | 100.5 | 99.4 | 99.4 | 98.4 |
| 65° | 96.4 | 92.4 | 91.3 | 88.3 | 87.2 | 86.3 | 85.3 | 83.3 | 82.2 | 81.2 | 80.1 |
| 67.5° | 79.2 | 77.1 | 74.1 | 72.1 | 71.1 | 70.0 | 69.0 | 67.0 | 66.0 | 64.9 | 62.9 |
| 70° | 64.0 | 61.9 | 59.9 | 57.8 | 56.9 | 55.8 | 53.7 | 51.8 | 50.7 | 48.7 | 45.7 |
| 72.5° | 49.8 | 47.7 | 45.7 | 43.6 | 42.7 | 41.6 | 39.6 | 37.6 | 35.5 | 33.5 | 31.5 |
| 75° | 37.6 | 35.5 | 32.5 | 30.5 | 29.4 | 29.4 | 26.4 | 24.3 | 22.3 | 19.3 | 17.2 |
| 77.5° | 26.4 | 23.4 | 22.3 | 20.2 | 19.3 | 17.2 | 15.2 | 13.3 | 11.2 | 10.1 | 8.1 |
| 80° | 17.2 | 15.2 | 13.3 | 12.2 | 11.2 | 10.1 | 9.2 | 7.1 | 5.1 | 4.1 | 3.0 |
| 82.5° | 10.1 | 9.2 | 8.1 | 7.1 | 6.1 | 5.1 | 4.1 | 4.1 | 3.0 | 2.0 | 1.0 |
| 85° | 5.1 | 4.1 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 87.5° | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 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° | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 |
| 2.5° | 676.0 | 675.0 | 674.0 | 673.0 | 673.0 | 670.9 | 670.9 | 669.9 | 667.9 | 666.8 | 666.8 |
| 5° | 669.9 | 666.8 | 664.8 | 663.8 | 662.8 | 659.7 | 658.8 | 656.7 | 654.7 | 652.6 | 651.7 |
| 7.5° | 660.8 | 655.6 | 653.7 | 652.6 | 649.6 | 646.6 | 644.6 | 641.5 | 638.4 | 635.4 | 634.4 |
| 10° | 649.6 | 644.6 | 639.5 | 637.4 | 634.4 | 632.4 | 628.3 | 624.2 | 621.2 | 618.2 | 615.2 |
| 12.5° | 635.4 | 629.3 | 624.2 | 622.1 | 619.1 | 615.2 | 609.0 | 607.0 | 601.9 | 599.8 | 595.8 |
| 15° | 619.1 | 612.0 | 607.0 | 603.9 | 600.9 | 594.8 | 590.7 | 586.7 | 581.7 | 579.6 | 575.5 |
| 17.5° | 598.9 | 590.7 | 585.6 | 582.6 | 580.6 | 575.5 | 569.4 | 564.3 | 559.2 | 557.2 | 554.2 |
| 20° | 574.5 | 569.4 | 562.4 | 559.2 | 557.2 | 551.2 | 545.0 | 543.0 | 539.0 | 534.9 | 531.9 |
| 22.5° | 547.1 | 542.0 | 534.9 | 531.9 | 530.8 | 525.7 | 520.7 | 517.7 | 514.7 | 511.5 | 508.5 |
| 25° | 518.6 | 512.6 | 506.5 | 504.4 | 502.5 | 498.4 | 494.3 | 492.2 | 489.2 | 487.2 | 485.1 |
| 27.5° | 488.3 | 482.1 | 477.1 | 474.0 | 472.0 | 469.0 | 466.9 | 464.9 | 462.8 | 460.8 | 459.8 |
| 30° | 455.7 | 449.7 | 445.6 | 443.6 | 441.5 | 440.5 | 437.4 | 436.5 | 435.5 | 433.4 | 434.4 |
| 32.5° | 423.3 | 418.1 | 414.2 | 411.0 | 411.0 | 409.1 | 408.0 | 408.0 | 407.0 | 407.0 | 407.0 |
| 35° | 387.8 | 384.6 | 381.6 | 380.7 | 379.6 | 378.6 | 377.5 | 378.6 | 377.5 | 378.6 | 379.6 |
| 37.5° | 355.2 | 352.2 | 350.2 | 349.2 | 348.1 | 349.2 | 348.1 | 348.1 | 349.2 | 351.1 | 352.2 |
| 40° | 321.7 | 319.7 | 317.6 | 318.7 | 317.6 | 317.6 | 317.6 | 320.8 | 321.7 | 322.8 | 323.8 |
| 42.5° | 290.3 | 288.2 | 287.3 | 287.3 | 288.2 | 287.3 | 289.3 | 290.3 | 292.3 | 295.3 | 297.4 |
| 45° | 259.8 | 258.8 | 258.8 | 259.8 | 258.8 | 260.9 | 260.9 | 262.9 | 265.9 | 268.0 | 270.0 |
| 47.5° | 231.5 | 231.5 | 231.5 | 232.4 | 232.4 | 233.4 | 235.5 | 236.5 | 238.5 | 240.5 | 242.6 |
| 50° | 205.1 | 206.1 | 207.0 | 207.0 | 207.0 | 209.1 | 211.1 | 212.1 | 213.2 | 214.1 | 217.3 |
| 52.5° | 181.7 | 182.7 | 182.7 | 183.8 | 184.7 | 185.7 | 186.8 | 188.8 | 189.8 | 191.8 | 192.8 |
| 55° | 159.3 | 159.3 | 161.3 | 162.4 | 162.4 | 162.4 | 164.5 | 164.5 | 166.4 | 167.5 | 169.5 |
| 57.5° | 138.1 | 139.1 | 139.1 | 140.0 | 140.0 | 141.1 | 142.1 | 143.2 | 144.1 | 145.2 | 146.2 |
| 60° | 117.7 | 117.7 | 117.7 | 118.8 | 119.8 | 120.7 | 119.8 | 121.8 | 121.8 | 123.9 | 124.8 |
| 62.5° | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 100.5 | 101.5 | 102.5 | 103.5 |
| 65° | 80.1 | 80.1 | 80.1 | 79.2 | 80.1 | 79.2 | 80.1 | 81.2 | 81.2 | 82.2 | 83.3 |
| 67.5° | 61.9 | 61.9 | 59.9 | 59.9 | 60.9 | 60.9 | 60.9 | 60.9 | 59.9 | 61.9 | 61.9 |
| 70° | 44.7 | 43.6 | 42.7 | 41.6 | 41.6 | 40.6 | 40.6 | 39.6 | 39.6 | 39.6 | 39.6 |
| 72.5° | 29.4 | 27.4 | 25.4 | 24.3 | 23.4 | 23.4 | 21.3 | 20.2 | 21.3 | 21.3 | 21.3 |
| 75° | 15.2 | 13.3 | 12.2 | 11.2 | 10.1 | 10.1 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 77.5° | 6.1 | 5.1 | 4.1 | 4.1 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 80° | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 85° | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 1.0 | 1.0 | 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: P583947

CATALOG NUMBER: HCC8W15D010MB-HM80520935-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 | 679.0 |
| 2.5° | 665.9 | 665.9 | 664.8 | 665.9 | 663.8 | 664.8 | 663.8 | 663.8 |
| 5° | 650.6 | 648.5 | 648.5 | 648.5 | 647.6 | 647.6 | 646.6 | 646.6 |
| 7.5° | 632.4 | 631.3 | 630.3 | 629.3 | 628.3 | 627.3 | 627.3 | 627.3 |
| 10° | 614.1 | 612.0 | 612.0 | 611.1 | 609.0 | 608.0 | 608.0 | 608.0 |
| 12.5° | 592.7 | 591.8 | 590.7 | 590.7 | 586.7 | 587.7 | 586.7 | 586.7 |
| 15° | 572.5 | 571.4 | 571.4 | 568.4 | 566.4 | 566.4 | 566.4 | 565.4 |
| 17.5° | 551.2 | 550.1 | 549.1 | 547.1 | 545.0 | 545.0 | 544.1 | 545.0 |
| 20° | 528.9 | 527.8 | 525.7 | 525.7 | 524.8 | 523.7 | 521.8 | 522.7 |
| 22.5° | 506.5 | 504.4 | 503.4 | 503.4 | 502.5 | 502.5 | 500.4 | 500.4 |
| 25° | 483.1 | 482.1 | 481.2 | 482.1 | 480.1 | 480.1 | 478.0 | 478.0 |
| 27.5° | 458.7 | 457.8 | 457.8 | 457.8 | 456.7 | 457.8 | 456.7 | 456.7 |
| 30° | 434.4 | 434.4 | 433.4 | 433.4 | 434.4 | 433.4 | 434.4 | 435.5 |
| 32.5° | 408.0 | 408.0 | 409.1 | 409.1 | 410.1 | 410.1 | 410.1 | 410.1 |
| 35° | 380.7 | 382.7 | 382.7 | 383.7 | 384.6 | 385.7 | 385.7 | 386.7 |
| 37.5° | 355.2 | 356.3 | 357.3 | 358.2 | 360.3 | 360.3 | 360.3 | 360.3 |
| 40° | 327.9 | 328.8 | 330.9 | 329.9 | 333.9 | 335.0 | 333.9 | 333.9 |
| 42.5° | 299.4 | 301.5 | 302.5 | 304.5 | 305.5 | 307.5 | 308.6 | 308.6 |
| 45° | 273.1 | 274.0 | 276.1 | 278.1 | 279.1 | 282.2 | 282.2 | 282.2 |
| 47.5° | 245.6 | 247.6 | 248.7 | 250.8 | 251.7 | 254.7 | 255.8 | 254.7 |
| 50° | 219.2 | 221.2 | 223.3 | 223.3 | 226.3 | 227.4 | 229.4 | 230.4 |
| 52.5° | 193.9 | 194.8 | 196.9 | 198.0 | 199.9 | 202.0 | 203.0 | 204.0 |
| 55° | 169.5 | 170.5 | 172.6 | 172.6 | 175.6 | 176.7 | 178.7 | 178.7 |
| 57.5° | 147.1 | 148.2 | 150.3 | 149.2 | 151.2 | 153.3 | 153.3 | 152.2 |
| 60° | 125.8 | 125.8 | 125.8 | 127.9 | 128.9 | 129.9 | 131.0 | 131.0 |
| 62.5° | 103.5 | 105.6 | 106.5 | 106.5 | 107.6 | 108.6 | 108.6 | 107.6 |
| 65° | 83.3 | 85.3 | 86.3 | 86.3 | 87.2 | 87.2 | 87.2 | 88.3 |
| 67.5° | 62.9 | 62.9 | 62.9 | 64.0 | 62.9 | 62.9 | 62.9 | 62.9 |
| 70° | 39.6 | 39.6 | 39.6 | 39.6 | 38.6 | 39.6 | 39.6 | 40.6 |
| 72.5° | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 |
| 75° | 9.2 | 9.2 | 9.2 | 10.1 | 9.2 | 9.2 | 9.2 | 9.2 |
| 77.5° | 4.1 | 3.0 | 4.1 | 4.1 | 3.0 | 3.0 | 3.0 | 3.0 |
| 80° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 85° | 0.0 | 1.0 | 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)