

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: P583855

Luminaire Tested: **HCC8W15D010BZ-HM80520830-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583855
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-HM80520830-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

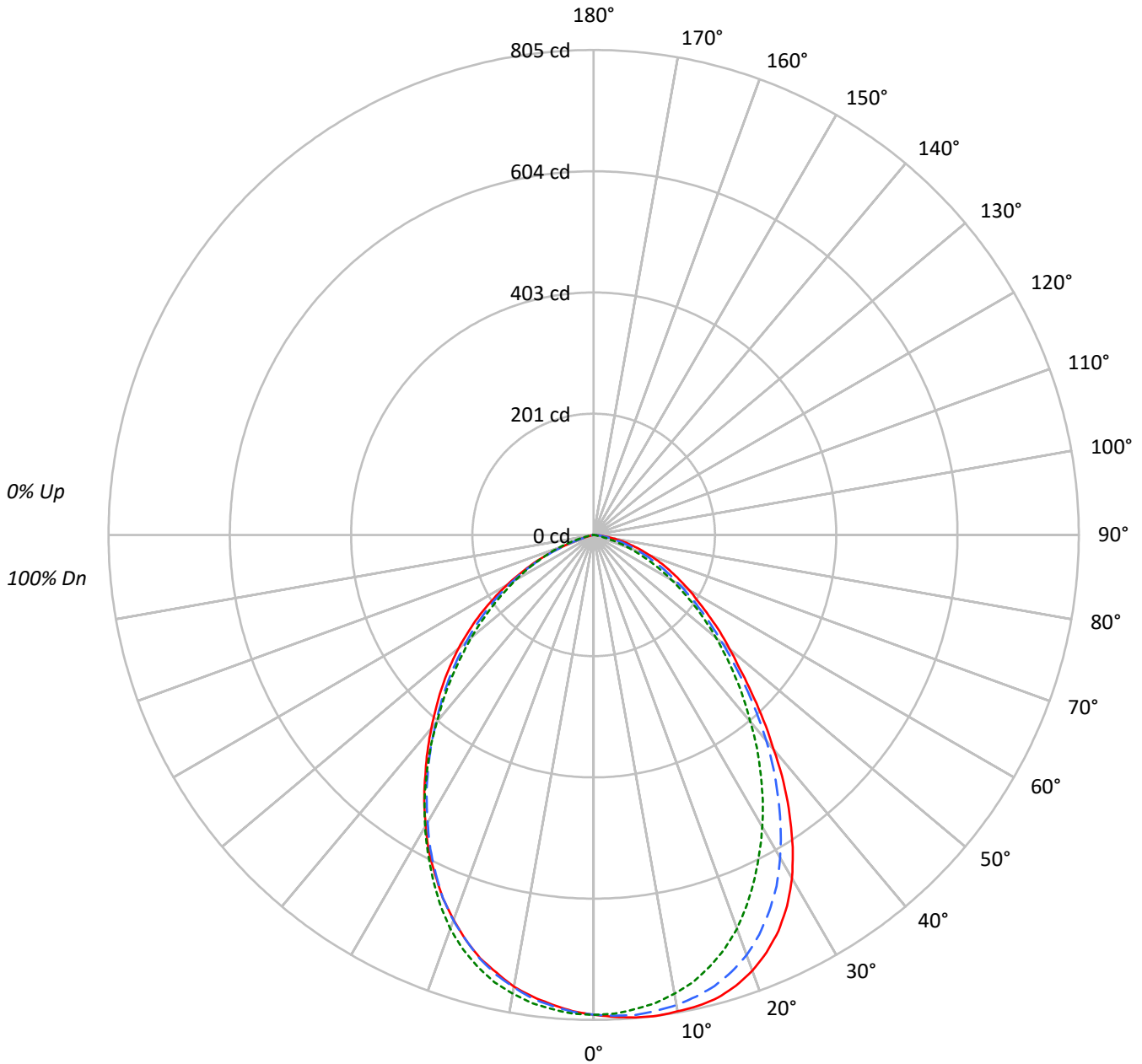
Lumens per Lamp: N/A
Luminaire Lumens: 1514.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P583855
CATALOG NUMBER: HCC8W15D010BZ-HM80520830-81RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P583855

CATALOG NUMBER: HCC8W15D010BZ-HM80520830-81RWWC

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 | 85 | 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° | 24564 | 24564 | 24564 |
| 5° | 24890 | 24460 | 24231 |
| 10° | 25144 | 24210 | 23847 |
| 15° | 25396 | 23700 | 23225 |
| 20° | 25268 | 22823 | 22301 |
| 25° | 24681 | 21459 | 21166 |
| 30° | 23440 | 19922 | 19844 |
| 35° | 21337 | 18175 | 18336 |
| 40° | 18710 | 16271 | 16870 |
| 45° | 16144 | 14474 | 15490 |
| 50° | 14133 | 12708 | 14032 |
| 55° | 12521 | 10924 | 12349 |
| 60° | 11280 | 9183 | 10231 |
| 65° | 10164 | 7377 | 7836 |
| 70° | 8917 | 5364 | 4310 |
| 75° | 7613 | 2788 | 1132 |
| 80° | 5860 | 746 | 195 |
| 85° | 3750 | 0 | 0 |



TEST NUMBER: P583855

CATALOG NUMBER: HCC8W15D010BZ-HM80520830-81RWWC

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 75.2 | 5.0 |
| 10°-20° | 211.3 | 14.0 |
| 20°-30° | 299.9 | 19.8 |
| 30°-40° | 315.7 | 20.9 |
| 40°-50° | 268.6 | 17.7 |
| 50°-60° | 194.1 | 12.8 |
| 60°-70° | 110.4 | 7.3 |
| 70°-80° | 34.8 | 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° | 586.3 | 38.7 |
| 0°-40° | 902.0 | 59.6 |
| 0°-60° | 1364.6 | 90.1 |
| 0°-90° | 1514.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1514.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 797 | 797 | 797 | 797 | 797 | |
| 5° | 804 | 800 | 790 | 785 | 783 | 77 |
| 15° | 796 | 775 | 742 | 728 | 728 | 224 |
| 25° | 725 | 689 | 631 | 620 | 622 | 332 |
| 35° | 567 | 534 | 483 | 480 | 487 | 353 |
| 45° | 370 | 356 | 332 | 340 | 355 | 288 |
| 55° | 233 | 216 | 203 | 215 | 230 | 210 |
| 65° | 139 | 120 | 101 | 100 | 107 | 138 |
| 75° | 64 | 49 | 23 | 11 | 10 | 69 |
| 85° | 11 | 6 | 0 | 0 | 0 | 14 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P583855

CATALOG NUMBER: HCC8W15D010BZ-HM80520830-81RWWC

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 |
| 2.5° | 800.8 | 801.9 | 799.8 | 799.8 | 801.9 | 799.8 | 800.8 | 800.8 | 799.8 | 799.8 | 798.8 |
| 5° | 804.1 | 803.0 | 803.0 | 803.0 | 804.1 | 801.9 | 800.8 | 801.9 | 799.8 | 799.8 | 799.8 |
| 7.5° | 805.2 | 805.2 | 804.1 | 803.0 | 803.0 | 803.0 | 801.9 | 800.8 | 799.8 | 797.7 | 796.6 |
| 10° | 803.0 | 803.0 | 804.1 | 801.9 | 801.9 | 799.8 | 799.8 | 797.7 | 797.7 | 795.5 | 792.4 |
| 12.5° | 800.8 | 799.8 | 799.8 | 797.7 | 797.7 | 795.5 | 795.5 | 792.4 | 791.3 | 788.1 | 784.9 |
| 15° | 795.5 | 794.5 | 792.4 | 791.3 | 790.2 | 789.2 | 787.0 | 786.0 | 782.8 | 778.6 | 775.3 |
| 17.5° | 784.9 | 783.9 | 782.8 | 780.7 | 778.6 | 777.5 | 776.4 | 773.2 | 768.9 | 765.8 | 760.5 |
| 20° | 770.0 | 768.9 | 768.9 | 765.8 | 764.7 | 761.6 | 760.5 | 756.3 | 753.0 | 746.6 | 742.4 |
| 22.5° | 749.9 | 750.8 | 748.8 | 746.6 | 744.4 | 741.3 | 739.1 | 734.9 | 729.6 | 723.2 | 717.9 |
| 25° | 725.4 | 726.4 | 724.3 | 722.2 | 719.0 | 716.9 | 714.7 | 708.3 | 703.0 | 695.5 | 689.1 |
| 27.5° | 694.6 | 694.6 | 694.6 | 692.4 | 687.1 | 686.0 | 683.8 | 677.5 | 670.1 | 663.7 | 657.3 |
| 30° | 658.3 | 657.3 | 657.3 | 654.1 | 652.0 | 647.7 | 644.6 | 639.3 | 633.8 | 626.5 | 619.0 |
| 32.5° | 614.8 | 615.8 | 612.6 | 610.5 | 607.3 | 607.3 | 603.1 | 598.8 | 592.4 | 584.9 | 577.6 |
| 35° | 566.8 | 567.9 | 565.9 | 564.8 | 559.5 | 558.4 | 557.3 | 552.0 | 547.8 | 542.4 | 533.9 |
| 37.5° | 517.9 | 516.9 | 515.9 | 515.9 | 512.6 | 510.6 | 508.4 | 505.3 | 498.9 | 494.5 | 490.3 |
| 40° | 464.8 | 464.8 | 464.8 | 463.7 | 462.6 | 460.6 | 459.5 | 457.3 | 453.1 | 448.9 | 445.6 |
| 42.5° | 416.9 | 416.9 | 415.8 | 414.8 | 412.7 | 413.7 | 411.6 | 409.5 | 405.2 | 402.0 | 399.9 |
| 45° | 370.2 | 370.2 | 370.2 | 371.1 | 369.1 | 365.8 | 365.8 | 363.8 | 361.6 | 359.5 | 356.3 |
| 47.5° | 328.6 | 331.9 | 329.7 | 328.6 | 329.7 | 325.5 | 325.5 | 323.3 | 321.3 | 319.1 | 314.9 |
| 50° | 294.6 | 294.6 | 294.6 | 292.5 | 291.4 | 291.4 | 288.2 | 286.1 | 285.0 | 282.9 | 278.6 |
| 52.5° | 263.8 | 261.6 | 261.6 | 260.5 | 259.6 | 257.4 | 257.4 | 255.2 | 251.0 | 248.8 | 245.7 |
| 55° | 232.9 | 232.9 | 231.8 | 230.8 | 229.7 | 228.7 | 227.6 | 224.4 | 222.3 | 219.1 | 215.9 |
| 57.5° | 205.2 | 207.4 | 206.3 | 204.2 | 202.1 | 202.1 | 199.9 | 197.9 | 194.6 | 191.5 | 188.2 |
| 60° | 182.9 | 181.8 | 181.8 | 180.8 | 178.7 | 177.6 | 176.5 | 173.4 | 170.1 | 167.0 | 163.8 |
| 62.5° | 159.5 | 159.5 | 159.5 | 157.4 | 155.3 | 154.2 | 153.2 | 151.0 | 146.8 | 143.6 | 141.5 |
| 65° | 139.3 | 138.2 | 137.2 | 136.2 | 135.1 | 132.9 | 131.8 | 129.8 | 126.5 | 123.4 | 120.1 |
| 67.5° | 119.2 | 118.1 | 118.1 | 117.0 | 113.8 | 112.8 | 112.8 | 109.5 | 106.4 | 103.1 | 100.0 |
| 70° | 98.9 | 98.9 | 98.9 | 96.8 | 95.7 | 94.7 | 93.6 | 91.5 | 88.3 | 85.1 | 81.9 |
| 72.5° | 81.9 | 80.9 | 80.9 | 79.8 | 76.5 | 75.6 | 74.5 | 72.3 | 69.2 | 67.0 | 64.8 |
| 75° | 63.9 | 63.9 | 62.8 | 61.7 | 60.6 | 59.5 | 58.4 | 56.4 | 53.1 | 50.0 | 48.9 |
| 77.5° | 48.9 | 47.8 | 47.8 | 46.8 | 44.7 | 43.6 | 43.6 | 41.5 | 38.3 | 36.2 | 34.0 |
| 80° | 33.0 | 34.0 | 33.0 | 31.9 | 30.8 | 29.8 | 28.7 | 27.6 | 25.5 | 23.4 | 21.3 |
| 82.5° | 20.2 | 21.3 | 20.2 | 20.2 | 19.2 | 18.1 | 18.1 | 15.9 | 14.9 | 13.9 | 12.8 |
| 85° | 10.6 | 10.6 | 10.6 | 10.6 | 9.5 | 9.5 | 9.5 | 8.6 | 7.5 | 6.4 | 6.4 |
| 87.5° | 3.1 | 4.2 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 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° | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 |
| 2.5° | 799.8 | 798.8 | 797.7 | 797.7 | 797.7 | 797.7 | 797.7 | 796.6 | 795.5 | 795.5 | 795.5 |
| 5° | 797.7 | 797.7 | 797.7 | 796.6 | 795.5 | 795.5 | 793.4 | 792.4 | 791.3 | 790.2 | 789.2 |
| 7.5° | 795.5 | 793.4 | 792.4 | 791.3 | 790.2 | 790.2 | 788.1 | 786.0 | 786.0 | 783.9 | 781.7 |
| 10° | 789.2 | 788.1 | 786.0 | 783.9 | 782.8 | 781.7 | 779.6 | 776.4 | 775.3 | 773.2 | 771.1 |
| 12.5° | 781.7 | 779.6 | 777.5 | 773.2 | 772.2 | 771.1 | 766.9 | 763.6 | 761.6 | 760.5 | 755.2 |
| 15° | 772.2 | 767.9 | 764.7 | 759.4 | 758.3 | 756.3 | 753.0 | 749.9 | 745.5 | 742.4 | 740.2 |
| 17.5° | 755.2 | 750.8 | 745.5 | 740.2 | 738.1 | 738.1 | 732.8 | 728.5 | 723.2 | 721.1 | 716.9 |
| 20° | 734.9 | 729.6 | 725.4 | 719.0 | 715.8 | 712.6 | 709.4 | 703.0 | 698.8 | 695.5 | 690.2 |
| 22.5° | 711.6 | 704.1 | 698.8 | 692.4 | 687.1 | 683.8 | 678.5 | 673.2 | 667.9 | 664.7 | 660.5 |
| 25° | 681.8 | 675.4 | 666.8 | 660.5 | 657.3 | 653.0 | 646.6 | 641.3 | 636.0 | 630.7 | 628.5 |
| 27.5° | 648.8 | 640.2 | 632.9 | 625.4 | 622.1 | 619.0 | 611.5 | 605.2 | 600.9 | 595.6 | 593.5 |
| 30° | 612.6 | 604.1 | 595.6 | 589.2 | 586.0 | 580.7 | 576.5 | 569.0 | 563.7 | 559.5 | 554.2 |
| 32.5° | 571.2 | 564.8 | 557.3 | 547.8 | 545.6 | 541.4 | 535.0 | 531.8 | 525.4 | 522.2 | 517.9 |
| 35° | 526.5 | 522.2 | 514.8 | 507.3 | 504.2 | 502.0 | 496.7 | 490.3 | 486.1 | 482.8 | 480.7 |
| 37.5° | 483.9 | 478.6 | 471.2 | 465.9 | 463.7 | 460.6 | 454.2 | 450.9 | 446.7 | 444.5 | 440.3 |
| 40° | 438.1 | 432.8 | 427.5 | 424.4 | 421.1 | 419.1 | 414.8 | 411.6 | 407.3 | 404.2 | 403.1 |
| 42.5° | 393.6 | 390.3 | 386.1 | 381.9 | 380.8 | 377.5 | 375.5 | 372.2 | 369.1 | 368.0 | 364.8 |
| 45° | 353.1 | 349.9 | 345.7 | 341.4 | 340.3 | 338.2 | 337.2 | 333.9 | 331.9 | 331.9 | 331.9 |
| 47.5° | 312.7 | 309.4 | 305.2 | 303.2 | 304.1 | 299.9 | 299.9 | 298.8 | 296.8 | 296.8 | 297.8 |
| 50° | 276.5 | 272.3 | 271.2 | 269.1 | 266.9 | 264.9 | 265.9 | 262.7 | 262.7 | 264.9 | 263.8 |
| 52.5° | 242.4 | 238.2 | 237.1 | 235.1 | 234.0 | 234.0 | 232.9 | 232.9 | 231.8 | 232.9 | 232.9 |
| 55° | 211.6 | 208.5 | 206.3 | 204.2 | 203.2 | 203.2 | 203.2 | 202.1 | 201.0 | 203.2 | 204.2 |
| 57.5° | 184.0 | 182.9 | 180.8 | 177.6 | 176.5 | 175.4 | 174.5 | 174.5 | 174.5 | 174.5 | 175.4 |
| 60° | 159.5 | 157.4 | 155.3 | 152.1 | 152.1 | 151.0 | 150.0 | 148.9 | 148.9 | 148.9 | 148.9 |
| 62.5° | 138.2 | 135.1 | 131.8 | 129.8 | 128.7 | 127.6 | 126.5 | 124.5 | 124.5 | 124.5 | 124.5 |
| 65° | 117.0 | 113.8 | 111.7 | 109.5 | 107.4 | 107.4 | 105.3 | 104.2 | 102.1 | 101.1 | 98.9 |
| 67.5° | 96.8 | 94.7 | 92.5 | 89.3 | 88.3 | 87.2 | 85.1 | 84.0 | 80.9 | 79.8 | 78.7 |
| 70° | 78.7 | 75.6 | 73.4 | 71.2 | 70.3 | 68.1 | 65.9 | 63.9 | 61.7 | 59.5 | 57.5 |
| 72.5° | 61.7 | 58.4 | 56.4 | 54.2 | 52.1 | 52.1 | 48.9 | 46.8 | 43.6 | 41.5 | 38.3 |
| 75° | 45.8 | 42.5 | 40.4 | 37.2 | 36.2 | 35.1 | 31.9 | 29.8 | 26.6 | 23.4 | 21.3 |
| 77.5° | 30.8 | 28.7 | 26.6 | 23.4 | 21.3 | 21.3 | 18.1 | 15.9 | 13.9 | 10.6 | 9.5 |
| 80° | 19.2 | 17.0 | 14.9 | 12.8 | 12.8 | 10.6 | 9.5 | 7.5 | 5.3 | 4.2 | 3.1 |
| 82.5° | 10.6 | 9.5 | 8.6 | 6.4 | 6.4 | 5.3 | 4.2 | 3.1 | 2.2 | 1.1 | 1.1 |
| 85° | 5.3 | 4.2 | 3.1 | 3.1 | 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° | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 |
| 2.5° | 794.5 | 794.5 | 793.4 | 793.4 | 793.4 | 792.4 | 793.4 | 792.4 | 792.4 | 792.4 | 793.4 |
| 5° | 790.2 | 788.1 | 788.1 | 787.0 | 787.0 | 786.0 | 787.0 | 786.0 | 784.9 | 783.9 | 784.9 |
| 7.5° | 781.7 | 779.6 | 778.6 | 777.5 | 777.5 | 777.5 | 776.4 | 775.3 | 776.4 | 773.2 | 775.3 |
| 10° | 770.0 | 768.9 | 766.9 | 765.8 | 764.7 | 765.8 | 764.7 | 762.5 | 762.5 | 762.5 | 761.6 |
| 12.5° | 755.2 | 753.0 | 751.9 | 750.8 | 748.8 | 748.8 | 749.9 | 747.7 | 747.7 | 745.5 | 745.5 |
| 15° | 737.1 | 734.9 | 732.8 | 732.8 | 730.7 | 730.7 | 729.6 | 729.6 | 728.5 | 727.5 | 727.5 |
| 17.5° | 714.7 | 711.6 | 709.4 | 710.5 | 709.4 | 708.3 | 708.3 | 706.3 | 705.2 | 706.3 | 706.3 |
| 20° | 688.2 | 686.0 | 683.8 | 684.9 | 682.8 | 681.8 | 682.8 | 679.6 | 680.7 | 680.7 | 680.7 |
| 22.5° | 658.3 | 657.3 | 654.1 | 654.1 | 652.0 | 650.9 | 652.0 | 652.0 | 653.0 | 652.0 | 652.0 |
| 25° | 625.4 | 623.2 | 621.2 | 621.2 | 620.1 | 619.0 | 620.1 | 621.2 | 620.1 | 621.2 | 621.2 |
| 27.5° | 590.3 | 587.1 | 587.1 | 584.9 | 584.9 | 586.0 | 584.9 | 586.0 | 587.1 | 587.1 | 589.2 |
| 30° | 552.0 | 550.9 | 549.8 | 548.8 | 548.8 | 549.8 | 549.8 | 549.8 | 550.9 | 553.1 | 553.1 |
| 32.5° | 515.9 | 513.7 | 511.5 | 511.5 | 513.7 | 512.6 | 513.7 | 513.7 | 515.9 | 515.9 | 517.9 |
| 35° | 476.5 | 476.5 | 474.4 | 475.4 | 475.4 | 475.4 | 475.4 | 477.5 | 479.7 | 480.7 | 482.8 |
| 37.5° | 440.3 | 437.2 | 438.1 | 438.1 | 439.2 | 438.1 | 441.4 | 441.4 | 443.6 | 443.6 | 445.6 |
| 40° | 401.0 | 401.0 | 402.0 | 401.0 | 402.0 | 402.0 | 404.2 | 406.3 | 407.3 | 409.5 | 410.5 |
| 42.5° | 363.8 | 365.8 | 363.8 | 364.8 | 365.8 | 366.9 | 368.0 | 369.1 | 373.3 | 375.5 | 378.6 |
| 45° | 329.7 | 330.8 | 331.9 | 332.9 | 331.9 | 333.9 | 335.0 | 337.2 | 340.3 | 341.4 | 342.5 |
| 47.5° | 296.8 | 297.8 | 298.8 | 299.9 | 299.9 | 302.1 | 303.2 | 305.2 | 307.4 | 308.5 | 309.4 |
| 50° | 264.9 | 266.9 | 268.0 | 268.0 | 269.1 | 271.2 | 273.3 | 273.3 | 275.5 | 278.6 | 279.7 |
| 52.5° | 236.1 | 236.1 | 238.2 | 239.3 | 240.4 | 240.4 | 243.5 | 244.6 | 245.7 | 247.9 | 249.9 |
| 55° | 204.2 | 207.4 | 208.5 | 208.5 | 210.6 | 212.7 | 213.8 | 214.9 | 214.9 | 219.1 | 219.1 |
| 57.5° | 176.5 | 177.6 | 179.8 | 179.8 | 179.8 | 182.9 | 182.9 | 185.1 | 186.2 | 187.1 | 189.3 |
| 60° | 148.9 | 151.0 | 151.0 | 152.1 | 151.0 | 153.2 | 154.2 | 156.3 | 157.4 | 158.5 | 159.5 |
| 62.5° | 123.4 | 123.4 | 124.5 | 124.5 | 124.5 | 124.5 | 126.5 | 126.5 | 128.7 | 129.8 | 130.9 |
| 65° | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 100.0 | 100.0 | 102.1 |
| 67.5° | 76.5 | 75.6 | 73.4 | 74.5 | 73.4 | 73.4 | 72.3 | 72.3 | 73.4 | 73.4 | 75.6 |
| 70° | 55.3 | 54.2 | 52.1 | 52.1 | 51.1 | 50.0 | 48.9 | 47.8 | 46.8 | 46.8 | 46.8 |
| 72.5° | 36.2 | 34.0 | 30.8 | 29.8 | 29.8 | 27.6 | 25.5 | 24.5 | 24.5 | 24.5 | 24.5 |
| 75° | 18.1 | 15.9 | 13.9 | 12.8 | 12.8 | 10.6 | 11.7 | 10.6 | 10.6 | 10.6 | 10.6 |
| 77.5° | 7.5 | 5.3 | 4.2 | 4.2 | 4.2 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 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 |

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



TEST NUMBER: P583855

CATALOG NUMBER: HCC8W15D010BZ-HM80520830-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 | 796.6 |
| 2.5° | 792.4 | 792.4 | 790.2 | 791.3 | 791.3 | 791.3 | 791.3 | 791.3 |
| 5° | 782.8 | 783.9 | 782.8 | 783.9 | 783.9 | 782.8 | 782.8 | 782.8 |
| 7.5° | 773.2 | 774.3 | 773.2 | 774.3 | 774.3 | 774.3 | 773.2 | 773.2 |
| 10° | 761.6 | 761.6 | 761.6 | 761.6 | 761.6 | 760.5 | 761.6 | 761.6 |
| 12.5° | 745.5 | 745.5 | 745.5 | 746.6 | 746.6 | 745.5 | 745.5 | 744.4 |
| 15° | 728.5 | 726.4 | 727.5 | 728.5 | 727.5 | 727.5 | 727.5 | 727.5 |
| 17.5° | 705.2 | 706.3 | 705.2 | 705.2 | 705.2 | 705.2 | 706.3 | 705.2 |
| 20° | 680.7 | 680.7 | 681.8 | 680.7 | 680.7 | 680.7 | 680.7 | 679.6 |
| 22.5° | 653.0 | 652.0 | 652.0 | 653.0 | 653.0 | 652.0 | 653.0 | 653.0 |
| 25° | 622.1 | 623.2 | 622.1 | 622.1 | 623.2 | 623.2 | 623.2 | 622.1 |
| 27.5° | 589.2 | 590.3 | 591.3 | 590.3 | 590.3 | 590.3 | 591.3 | 592.4 |
| 30° | 555.1 | 557.3 | 555.1 | 555.1 | 557.3 | 556.2 | 557.3 | 557.3 |
| 32.5° | 519.0 | 522.2 | 520.1 | 522.2 | 522.2 | 523.3 | 522.2 | 523.3 |
| 35° | 482.8 | 486.1 | 486.1 | 486.1 | 487.1 | 488.1 | 488.1 | 487.1 |
| 37.5° | 448.9 | 449.9 | 449.9 | 452.0 | 453.1 | 454.2 | 454.2 | 453.1 |
| 40° | 413.7 | 415.8 | 416.9 | 416.9 | 416.9 | 419.1 | 421.1 | 419.1 |
| 42.5° | 379.7 | 380.8 | 381.9 | 381.9 | 383.9 | 385.0 | 386.1 | 386.1 |
| 45° | 346.7 | 348.8 | 349.9 | 351.0 | 352.1 | 354.1 | 353.1 | 355.2 |
| 47.5° | 312.7 | 315.8 | 316.9 | 318.0 | 320.2 | 321.3 | 322.2 | 323.3 |
| 50° | 281.8 | 284.0 | 284.0 | 286.1 | 289.3 | 289.3 | 291.4 | 292.5 |
| 52.5° | 251.0 | 252.1 | 253.2 | 254.1 | 256.3 | 258.5 | 258.5 | 260.5 |
| 55° | 221.2 | 222.3 | 222.3 | 223.4 | 224.4 | 228.7 | 229.7 | 229.7 |
| 57.5° | 190.4 | 190.4 | 192.6 | 193.5 | 194.6 | 196.8 | 196.8 | 196.8 |
| 60° | 160.6 | 161.7 | 161.7 | 162.7 | 163.8 | 165.9 | 167.0 | 165.9 |
| 62.5° | 130.9 | 131.8 | 131.8 | 132.9 | 135.1 | 136.2 | 135.1 | 135.1 |
| 65° | 103.1 | 104.2 | 104.2 | 105.3 | 107.4 | 107.4 | 106.4 | 107.4 |
| 67.5° | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 70° | 47.8 | 46.8 | 45.8 | 46.8 | 46.8 | 46.8 | 45.8 | 47.8 |
| 72.5° | 23.4 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 23.4 |
| 75° | 10.6 | 10.6 | 9.5 | 9.5 | 9.5 | 10.6 | 10.6 | 9.5 |
| 77.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 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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Scaled Data Report



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

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(END OF REPORT)