

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: P593562

Luminaire Tested: **HCC8W15D010MB-HM80520850-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593562
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: HCC8W15D010MB-HM80520850-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

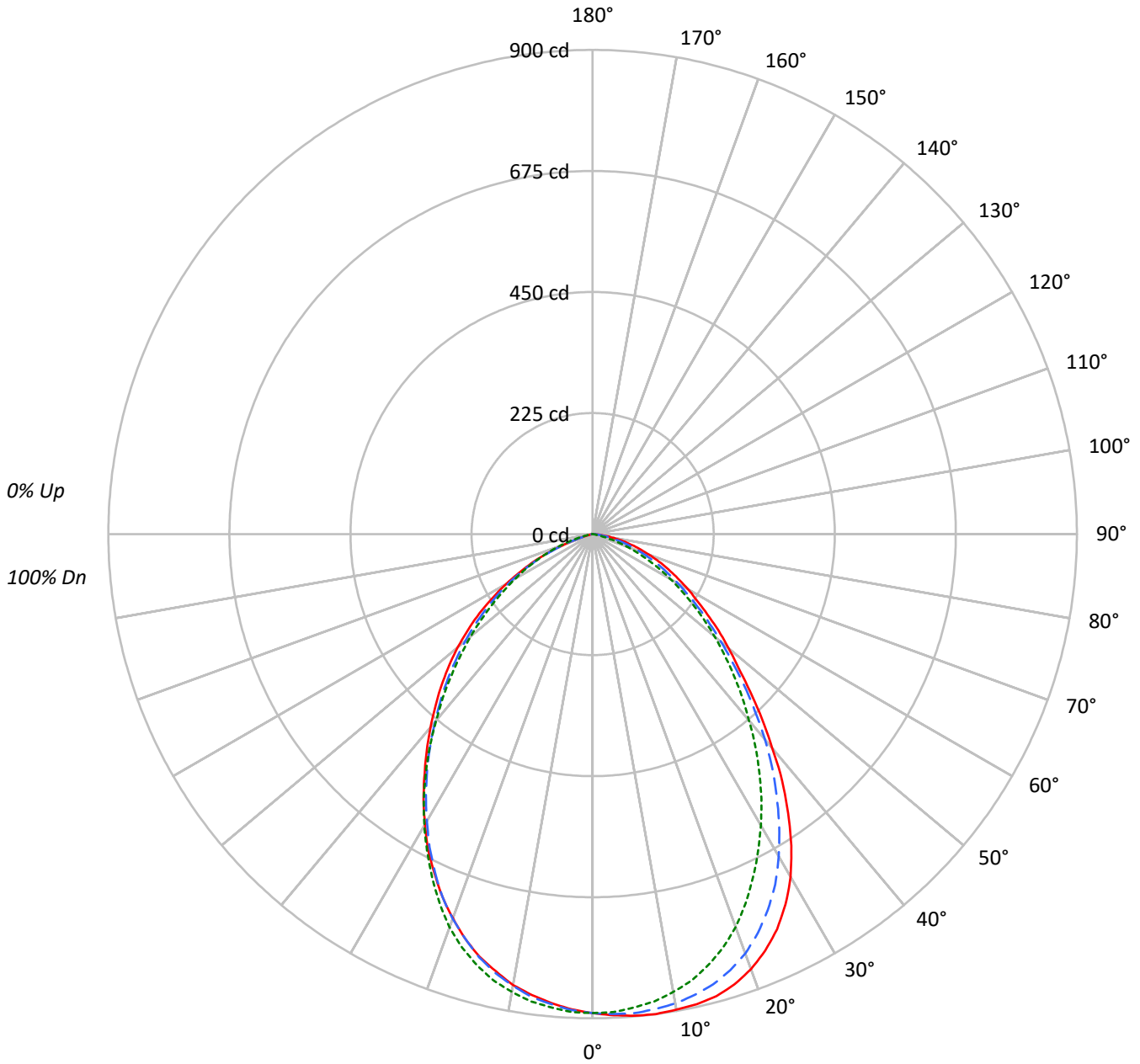
Lumens per Lamp: N/A
Luminaire Lumens: 1692.2 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P593562
CATALOG NUMBER: HCC8W15D010MB-HM80520850-81RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P593562

CATALOG NUMBER: HCC8W15D010MB-HM80520850-81RWWC

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° | 27457 | 27457 | 27457 |
| 5° | 27818 | 27342 | 27085 |
| 10° | 28103 | 27060 | 26653 |
| 15° | 28387 | 26491 | 25957 |
| 20° | 28241 | 25514 | 24927 |
| 25° | 27583 | 23984 | 23660 |
| 30° | 26203 | 22265 | 22179 |
| 35° | 23851 | 20317 | 20493 |
| 40° | 20912 | 18187 | 18855 |
| 45° | 18041 | 16175 | 17313 |
| 50° | 15797 | 14195 | 15682 |
| 55° | 13994 | 12204 | 13806 |
| 60° | 12612 | 10262 | 11434 |
| 65° | 11361 | 8238 | 8756 |
| 70° | 9963 | 5996 | 4824 |
| 75° | 8495 | 3110 | 1275 |
| 80° | 6553 | 835 | 213 |
| 85° | 4210 | 0 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.0 | 5.0 |
| 10°-20° | 236.2 | 14.0 |
| 20°-30° | 335.2 | 19.8 |
| 30°-40° | 352.8 | 20.9 |
| 40°-50° | 300.2 | 17.7 |
| 50°-60° | 216.9 | 12.8 |
| 60°-70° | 123.4 | 7.3 |
| 70°-80° | 38.9 | 2.3 |
| 80°-90° | 4.7 | 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° | 655.4 | 38.7 |
| 0°-40° | 1008.2 | 59.6 |
| 0°-60° | 1525.3 | 90.1 |
| 0°-90° | 1692.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1692.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 890 | 890 | 890 | 890 | 890 | |
| 5° | 899 | 894 | 883 | 877 | 875 | 86 |
| 15° | 889 | 867 | 830 | 814 | 813 | 250 |
| 25° | 811 | 770 | 705 | 693 | 695 | 371 |
| 35° | 634 | 597 | 540 | 536 | 544 | 394 |
| 45° | 414 | 398 | 371 | 380 | 397 | 322 |
| 55° | 260 | 241 | 227 | 240 | 257 | 235 |
| 65° | 156 | 134 | 113 | 112 | 120 | 154 |
| 75° | 71 | 55 | 26 | 12 | 11 | 77 |
| 85° | 12 | 7 | 0 | 0 | 0 | 15 |
| 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° | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 |
| 2.5° | 895.2 | 896.3 | 894.0 | 894.0 | 896.3 | 894.0 | 895.2 | 895.2 | 894.0 | 894.0 | 892.8 |
| 5° | 898.7 | 897.5 | 897.5 | 897.5 | 898.7 | 896.3 | 895.2 | 896.3 | 894.0 | 894.0 | 894.0 |
| 7.5° | 899.9 | 899.9 | 898.7 | 897.5 | 897.5 | 897.5 | 896.3 | 895.2 | 894.0 | 891.6 | 890.4 |
| 10° | 897.5 | 897.5 | 898.7 | 896.3 | 896.3 | 894.0 | 894.0 | 891.6 | 891.6 | 889.2 | 885.7 |
| 12.5° | 895.2 | 894.0 | 894.0 | 891.6 | 891.6 | 889.2 | 889.2 | 885.7 | 884.5 | 880.9 | 877.4 |
| 15° | 889.2 | 888.0 | 885.7 | 884.5 | 883.3 | 882.1 | 879.6 | 878.4 | 875.0 | 870.1 | 866.6 |
| 17.5° | 877.4 | 876.2 | 875.0 | 872.5 | 870.1 | 869.0 | 867.8 | 864.2 | 859.5 | 855.9 | 850.0 |
| 20° | 860.6 | 859.5 | 859.5 | 855.9 | 854.7 | 851.2 | 850.0 | 845.2 | 841.7 | 834.5 | 829.8 |
| 22.5° | 838.1 | 839.3 | 836.9 | 834.5 | 832.2 | 828.6 | 826.1 | 821.4 | 815.5 | 808.3 | 802.4 |
| 25° | 810.7 | 811.9 | 809.5 | 807.2 | 803.6 | 801.2 | 798.8 | 791.7 | 785.8 | 777.5 | 770.4 |
| 27.5° | 776.3 | 776.3 | 776.3 | 773.9 | 767.9 | 766.7 | 764.3 | 757.2 | 748.9 | 741.8 | 734.7 |
| 30° | 735.9 | 734.7 | 734.7 | 731.1 | 728.7 | 724.0 | 720.3 | 714.4 | 708.5 | 700.2 | 691.9 |
| 32.5° | 687.1 | 688.3 | 684.7 | 682.4 | 678.8 | 678.8 | 674.1 | 669.3 | 662.1 | 653.8 | 645.5 |
| 35° | 633.6 | 634.8 | 632.4 | 631.2 | 625.3 | 624.1 | 622.9 | 617.0 | 612.3 | 606.2 | 596.7 |
| 37.5° | 578.9 | 577.8 | 576.6 | 576.6 | 573.0 | 570.6 | 568.3 | 564.7 | 557.6 | 552.7 | 548.0 |
| 40° | 519.5 | 519.5 | 519.5 | 518.3 | 517.1 | 514.8 | 513.6 | 511.2 | 506.5 | 501.6 | 498.1 |
| 42.5° | 466.0 | 466.0 | 464.8 | 463.6 | 461.3 | 462.5 | 460.1 | 457.7 | 453.0 | 449.3 | 446.9 |
| 45° | 413.7 | 413.7 | 413.7 | 414.9 | 412.5 | 409.0 | 409.0 | 406.6 | 404.2 | 401.7 | 398.3 |
| 47.5° | 367.3 | 370.9 | 368.5 | 367.3 | 368.5 | 363.8 | 363.8 | 361.4 | 359.0 | 356.7 | 351.9 |
| 50° | 329.3 | 329.3 | 329.3 | 326.9 | 325.7 | 325.7 | 322.1 | 319.8 | 318.6 | 316.2 | 311.5 |
| 52.5° | 294.9 | 292.5 | 292.5 | 291.2 | 290.0 | 287.6 | 287.6 | 285.3 | 280.5 | 278.1 | 274.6 |
| 55° | 260.3 | 260.3 | 259.2 | 258.0 | 256.8 | 255.6 | 254.4 | 250.9 | 248.5 | 244.9 | 241.4 |
| 57.5° | 229.4 | 231.8 | 230.6 | 228.2 | 225.8 | 225.8 | 223.5 | 221.1 | 217.5 | 214.0 | 210.4 |
| 60° | 204.5 | 203.3 | 203.3 | 202.1 | 199.7 | 198.6 | 197.4 | 193.8 | 190.1 | 186.7 | 183.0 |
| 62.5° | 178.3 | 178.3 | 178.3 | 175.9 | 173.5 | 172.3 | 171.2 | 168.8 | 164.0 | 160.5 | 158.1 |
| 65° | 155.7 | 154.5 | 153.4 | 152.2 | 151.0 | 148.6 | 147.4 | 145.1 | 141.5 | 137.9 | 134.4 |
| 67.5° | 133.2 | 131.9 | 131.9 | 130.7 | 127.2 | 126.0 | 126.0 | 122.4 | 118.9 | 115.3 | 111.7 |
| 70° | 110.5 | 110.5 | 110.5 | 108.2 | 107.0 | 105.8 | 104.6 | 102.2 | 98.7 | 95.1 | 91.6 |
| 72.5° | 91.6 | 90.4 | 90.4 | 89.2 | 85.6 | 84.4 | 83.3 | 80.9 | 77.2 | 75.0 | 72.5 |
| 75° | 71.3 | 71.3 | 70.1 | 68.9 | 67.7 | 66.5 | 65.4 | 63.0 | 59.4 | 55.9 | 54.7 |
| 77.5° | 54.7 | 53.5 | 53.5 | 52.3 | 49.9 | 48.7 | 48.7 | 46.4 | 42.8 | 40.4 | 38.1 |
| 80° | 36.9 | 38.1 | 36.9 | 35.7 | 34.5 | 33.3 | 32.1 | 30.8 | 28.6 | 26.1 | 23.7 |
| 82.5° | 22.5 | 23.7 | 22.5 | 22.5 | 21.4 | 20.2 | 20.2 | 17.8 | 16.6 | 15.4 | 14.2 |
| 85° | 11.9 | 11.9 | 11.9 | 11.9 | 10.7 | 10.7 | 10.7 | 9.5 | 8.3 | 7.1 | 7.1 |
| 87.5° | 3.6 | 4.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 2.4 | 2.4 | 2.4 |
| 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° | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 |
| 2.5° | 894.0 | 892.8 | 891.6 | 891.6 | 891.6 | 891.6 | 891.6 | 890.4 | 889.2 | 889.2 | 889.2 |
| 5° | 891.6 | 891.6 | 891.6 | 890.4 | 889.2 | 889.2 | 886.8 | 885.7 | 884.5 | 883.3 | 882.1 |
| 7.5° | 889.2 | 886.8 | 885.7 | 884.5 | 883.3 | 883.3 | 880.9 | 878.4 | 878.4 | 876.2 | 873.7 |
| 10° | 882.1 | 880.9 | 878.4 | 876.2 | 875.0 | 873.7 | 871.3 | 867.8 | 866.6 | 864.2 | 861.8 |
| 12.5° | 873.7 | 871.3 | 869.0 | 864.2 | 863.0 | 861.8 | 857.1 | 853.5 | 851.2 | 850.0 | 844.0 |
| 15° | 863.0 | 858.3 | 854.7 | 848.8 | 847.6 | 845.2 | 841.7 | 838.1 | 833.4 | 829.8 | 827.4 |
| 17.5° | 844.0 | 839.3 | 833.4 | 827.4 | 824.9 | 824.9 | 819.0 | 814.3 | 808.3 | 806.0 | 801.2 |
| 20° | 821.4 | 815.5 | 810.7 | 803.6 | 800.0 | 796.5 | 792.9 | 785.8 | 781.0 | 777.5 | 771.6 |
| 22.5° | 795.3 | 787.0 | 781.0 | 773.9 | 767.9 | 764.3 | 758.4 | 752.5 | 746.5 | 743.0 | 738.2 |
| 25° | 762.0 | 754.8 | 745.4 | 738.2 | 734.7 | 729.9 | 722.8 | 716.9 | 710.8 | 704.9 | 702.5 |
| 27.5° | 725.2 | 715.6 | 707.3 | 699.0 | 695.4 | 691.9 | 683.6 | 676.4 | 671.7 | 665.8 | 663.4 |
| 30° | 684.7 | 675.2 | 665.8 | 658.5 | 655.0 | 649.0 | 644.3 | 636.0 | 630.1 | 625.3 | 619.4 |
| 32.5° | 638.4 | 631.2 | 622.9 | 612.3 | 609.9 | 605.0 | 597.9 | 594.4 | 587.2 | 583.7 | 578.9 |
| 35° | 588.4 | 583.7 | 575.4 | 567.1 | 563.5 | 561.0 | 555.1 | 548.0 | 543.2 | 539.7 | 537.3 |
| 37.5° | 540.9 | 534.9 | 526.6 | 520.7 | 518.3 | 514.8 | 507.5 | 504.1 | 499.2 | 496.9 | 492.1 |
| 40° | 489.7 | 483.8 | 477.9 | 474.3 | 470.8 | 468.4 | 463.6 | 460.1 | 455.2 | 451.8 | 450.5 |
| 42.5° | 439.8 | 436.3 | 431.5 | 426.8 | 425.6 | 422.0 | 419.6 | 416.1 | 412.5 | 411.3 | 407.8 |
| 45° | 394.6 | 391.1 | 386.3 | 381.6 | 380.4 | 378.0 | 376.8 | 373.3 | 370.9 | 370.9 | 370.9 |
| 47.5° | 349.5 | 346.0 | 341.1 | 338.8 | 339.9 | 335.2 | 335.2 | 334.0 | 331.6 | 331.6 | 332.8 |
| 50° | 309.1 | 304.4 | 303.2 | 300.8 | 298.4 | 295.9 | 297.2 | 293.7 | 293.7 | 295.9 | 294.9 |
| 52.5° | 271.0 | 266.3 | 265.1 | 262.7 | 261.5 | 261.5 | 260.3 | 260.3 | 259.2 | 260.3 | 260.3 |
| 55° | 236.5 | 233.0 | 230.6 | 228.2 | 227.0 | 227.0 | 227.0 | 225.8 | 224.7 | 227.0 | 228.2 |
| 57.5° | 205.7 | 204.5 | 202.1 | 198.6 | 197.4 | 196.2 | 195.0 | 195.0 | 195.0 | 195.0 | 196.2 |
| 60° | 178.3 | 175.9 | 173.5 | 170.0 | 170.0 | 168.8 | 167.6 | 166.4 | 166.4 | 166.4 | 166.4 |
| 62.5° | 154.5 | 151.0 | 147.4 | 145.1 | 143.9 | 142.7 | 141.5 | 139.1 | 139.1 | 139.1 | 139.1 |
| 65° | 130.7 | 127.2 | 124.8 | 122.4 | 120.0 | 120.0 | 117.7 | 116.5 | 114.1 | 112.9 | 110.5 |
| 67.5° | 108.2 | 105.8 | 103.4 | 99.9 | 98.7 | 97.5 | 95.1 | 93.9 | 90.4 | 89.2 | 88.0 |
| 70° | 88.0 | 84.4 | 82.1 | 79.7 | 78.4 | 76.0 | 73.7 | 71.3 | 68.9 | 66.5 | 64.2 |
| 72.5° | 68.9 | 65.4 | 63.0 | 60.6 | 58.2 | 58.2 | 54.7 | 52.3 | 48.7 | 46.4 | 42.8 |
| 75° | 51.1 | 47.6 | 45.2 | 41.6 | 40.4 | 39.3 | 35.7 | 33.3 | 29.8 | 26.1 | 23.7 |
| 77.5° | 34.5 | 32.1 | 29.8 | 26.1 | 23.7 | 23.7 | 20.2 | 17.8 | 15.4 | 11.9 | 10.7 |
| 80° | 21.4 | 19.0 | 16.6 | 14.2 | 14.2 | 11.9 | 10.7 | 8.3 | 5.9 | 4.7 | 3.6 |
| 82.5° | 11.9 | 10.7 | 9.5 | 7.1 | 7.1 | 5.9 | 4.7 | 3.6 | 2.4 | 1.2 | 1.2 |
| 85° | 5.9 | 4.7 | 3.6 | 3.6 | 2.4 | 2.4 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 |
| 87.5° | 2.4 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 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° | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 |
| 2.5° | 888.0 | 888.0 | 886.8 | 886.8 | 886.8 | 885.7 | 886.8 | 885.7 | 885.7 | 885.7 | 886.8 |
| 5° | 883.3 | 880.9 | 880.9 | 879.6 | 879.6 | 878.4 | 879.6 | 878.4 | 877.4 | 876.2 | 877.4 |
| 7.5° | 873.7 | 871.3 | 870.1 | 869.0 | 869.0 | 869.0 | 867.8 | 866.6 | 867.8 | 864.2 | 866.6 |
| 10° | 860.6 | 859.5 | 857.1 | 855.9 | 854.7 | 855.9 | 854.7 | 852.3 | 852.3 | 852.3 | 851.2 |
| 12.5° | 844.0 | 841.7 | 840.5 | 839.3 | 836.9 | 836.9 | 838.1 | 835.7 | 835.7 | 833.4 | 833.4 |
| 15° | 823.9 | 821.4 | 819.0 | 819.0 | 816.6 | 816.6 | 815.5 | 815.5 | 814.3 | 813.1 | 813.1 |
| 17.5° | 798.8 | 795.3 | 792.9 | 794.1 | 792.9 | 791.7 | 791.7 | 789.4 | 788.2 | 789.4 | 789.4 |
| 20° | 769.2 | 766.7 | 764.3 | 765.5 | 763.2 | 762.0 | 763.2 | 759.6 | 760.8 | 760.8 | 760.8 |
| 22.5° | 735.9 | 734.7 | 731.1 | 731.1 | 728.7 | 727.6 | 728.7 | 728.7 | 729.9 | 728.7 | 728.7 |
| 25° | 699.0 | 696.6 | 694.2 | 694.2 | 693.0 | 691.9 | 693.0 | 694.2 | 693.0 | 694.2 | 694.2 |
| 27.5° | 659.7 | 656.2 | 656.2 | 653.8 | 653.8 | 655.0 | 653.8 | 655.0 | 656.2 | 656.2 | 658.5 |
| 30° | 617.0 | 615.8 | 614.6 | 613.3 | 613.3 | 614.6 | 614.6 | 614.6 | 615.8 | 618.2 | 618.2 |
| 32.5° | 576.6 | 574.2 | 571.8 | 571.8 | 574.2 | 573.0 | 574.2 | 574.2 | 576.6 | 576.6 | 578.9 |
| 35° | 532.6 | 532.6 | 530.2 | 531.4 | 531.4 | 531.4 | 531.4 | 533.8 | 536.1 | 537.3 | 539.7 |
| 37.5° | 492.1 | 488.6 | 489.7 | 489.7 | 490.9 | 489.7 | 493.3 | 493.3 | 495.7 | 495.7 | 498.1 |
| 40° | 448.1 | 448.1 | 449.3 | 448.1 | 449.3 | 449.3 | 451.8 | 454.2 | 455.2 | 457.7 | 458.9 |
| 42.5° | 406.6 | 409.0 | 406.6 | 407.8 | 409.0 | 410.2 | 411.3 | 412.5 | 417.3 | 419.6 | 423.2 |
| 45° | 368.5 | 369.7 | 370.9 | 372.1 | 370.9 | 373.3 | 374.5 | 376.8 | 380.4 | 381.6 | 382.8 |
| 47.5° | 331.6 | 332.8 | 334.0 | 335.2 | 335.2 | 337.6 | 338.8 | 341.1 | 343.5 | 344.8 | 346.0 |
| 50° | 295.9 | 298.4 | 299.6 | 299.6 | 300.8 | 303.2 | 305.5 | 305.5 | 307.9 | 311.5 | 312.7 |
| 52.5° | 263.9 | 263.9 | 266.3 | 267.5 | 268.7 | 268.7 | 272.2 | 273.4 | 274.6 | 277.0 | 279.3 |
| 55° | 228.2 | 231.8 | 233.0 | 233.0 | 235.3 | 237.7 | 239.0 | 240.2 | 240.2 | 244.9 | 244.9 |
| 57.5° | 197.4 | 198.6 | 200.9 | 200.9 | 200.9 | 204.5 | 204.5 | 206.9 | 208.0 | 209.2 | 211.6 |
| 60° | 166.4 | 168.8 | 168.8 | 170.0 | 168.8 | 171.2 | 172.3 | 174.7 | 175.9 | 177.1 | 178.3 |
| 62.5° | 137.9 | 137.9 | 139.1 | 139.1 | 139.1 | 139.1 | 141.5 | 141.5 | 143.9 | 145.1 | 146.2 |
| 65° | 110.5 | 110.5 | 110.5 | 110.5 | 110.5 | 110.5 | 110.5 | 110.5 | 111.7 | 111.7 | 114.1 |
| 67.5° | 85.6 | 84.4 | 82.1 | 83.3 | 82.1 | 82.1 | 80.9 | 80.9 | 82.1 | 82.1 | 84.4 |
| 70° | 61.8 | 60.6 | 58.2 | 58.2 | 57.1 | 55.9 | 54.7 | 53.5 | 52.3 | 52.3 | 52.3 |
| 72.5° | 40.4 | 38.1 | 34.5 | 33.3 | 33.3 | 30.8 | 28.6 | 27.4 | 27.4 | 27.4 | 27.4 |
| 75° | 20.2 | 17.8 | 15.4 | 14.2 | 14.2 | 11.9 | 13.1 | 11.9 | 11.9 | 11.9 | 11.9 |
| 77.5° | 8.3 | 5.9 | 4.7 | 4.7 | 4.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 80° | 2.4 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 82.5° | 1.2 | 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: P593562

CATALOG NUMBER: HCC8W15D010MB-HM80520850-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 | 890.4 |
| 2.5° | 885.7 | 885.7 | 883.3 | 884.5 | 884.5 | 884.5 | 884.5 | 884.5 |
| 5° | 875.0 | 876.2 | 875.0 | 876.2 | 876.2 | 875.0 | 875.0 | 875.0 |
| 7.5° | 864.2 | 865.4 | 864.2 | 865.4 | 865.4 | 865.4 | 864.2 | 864.2 |
| 10° | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 | 850.0 | 851.2 | 851.2 |
| 12.5° | 833.4 | 833.4 | 833.4 | 834.5 | 834.5 | 833.4 | 833.4 | 832.2 |
| 15° | 814.3 | 811.9 | 813.1 | 814.3 | 813.1 | 813.1 | 813.1 | 813.1 |
| 17.5° | 788.2 | 789.4 | 788.2 | 788.2 | 788.2 | 788.2 | 789.4 | 788.2 |
| 20° | 760.8 | 760.8 | 762.0 | 760.8 | 760.8 | 760.8 | 760.8 | 759.6 |
| 22.5° | 729.9 | 728.7 | 728.7 | 729.9 | 729.9 | 728.7 | 729.9 | 729.9 |
| 25° | 695.4 | 696.6 | 695.4 | 695.4 | 696.6 | 696.6 | 696.6 | 695.4 |
| 27.5° | 658.5 | 659.7 | 660.9 | 659.7 | 659.7 | 659.7 | 660.9 | 662.1 |
| 30° | 620.6 | 622.9 | 620.6 | 620.6 | 622.9 | 621.8 | 622.9 | 622.9 |
| 32.5° | 580.1 | 583.7 | 581.3 | 583.7 | 583.7 | 584.9 | 583.7 | 584.9 |
| 35° | 539.7 | 543.2 | 543.2 | 543.2 | 544.4 | 545.6 | 545.6 | 544.4 |
| 37.5° | 501.6 | 502.8 | 502.8 | 505.3 | 506.5 | 507.5 | 507.5 | 506.5 |
| 40° | 462.5 | 464.8 | 466.0 | 466.0 | 466.0 | 468.4 | 470.8 | 468.4 |
| 42.5° | 424.4 | 425.6 | 426.8 | 426.8 | 429.1 | 430.3 | 431.5 | 431.5 |
| 45° | 387.5 | 389.9 | 391.1 | 392.3 | 393.4 | 395.8 | 394.6 | 397.0 |
| 47.5° | 349.5 | 353.1 | 354.3 | 355.5 | 357.8 | 359.0 | 360.2 | 361.4 |
| 50° | 315.0 | 317.4 | 317.4 | 319.8 | 323.3 | 323.3 | 325.7 | 326.9 |
| 52.5° | 280.5 | 281.7 | 282.9 | 284.1 | 286.5 | 288.8 | 288.8 | 291.2 |
| 55° | 247.3 | 248.5 | 248.5 | 249.7 | 250.9 | 255.6 | 256.8 | 256.8 |
| 57.5° | 212.8 | 212.8 | 215.2 | 216.3 | 217.5 | 219.9 | 219.9 | 219.9 |
| 60° | 179.5 | 180.8 | 180.8 | 181.8 | 183.0 | 185.4 | 186.7 | 185.4 |
| 62.5° | 146.2 | 147.4 | 147.4 | 148.6 | 151.0 | 152.2 | 151.0 | 151.0 |
| 65° | 115.3 | 116.5 | 116.5 | 117.7 | 120.0 | 120.0 | 118.9 | 120.0 |
| 67.5° | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 70° | 53.5 | 52.3 | 51.1 | 52.3 | 52.3 | 52.3 | 51.1 | 53.5 |
| 72.5° | 26.1 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 26.1 |
| 75° | 11.9 | 11.9 | 10.7 | 10.7 | 10.7 | 11.9 | 11.9 | 10.7 |
| 77.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 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)