

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: P584045

Luminaire Tested: **HCC8W20D010MB-HM80520927-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584045
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: HCC8W20D010MB-HM80520927-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

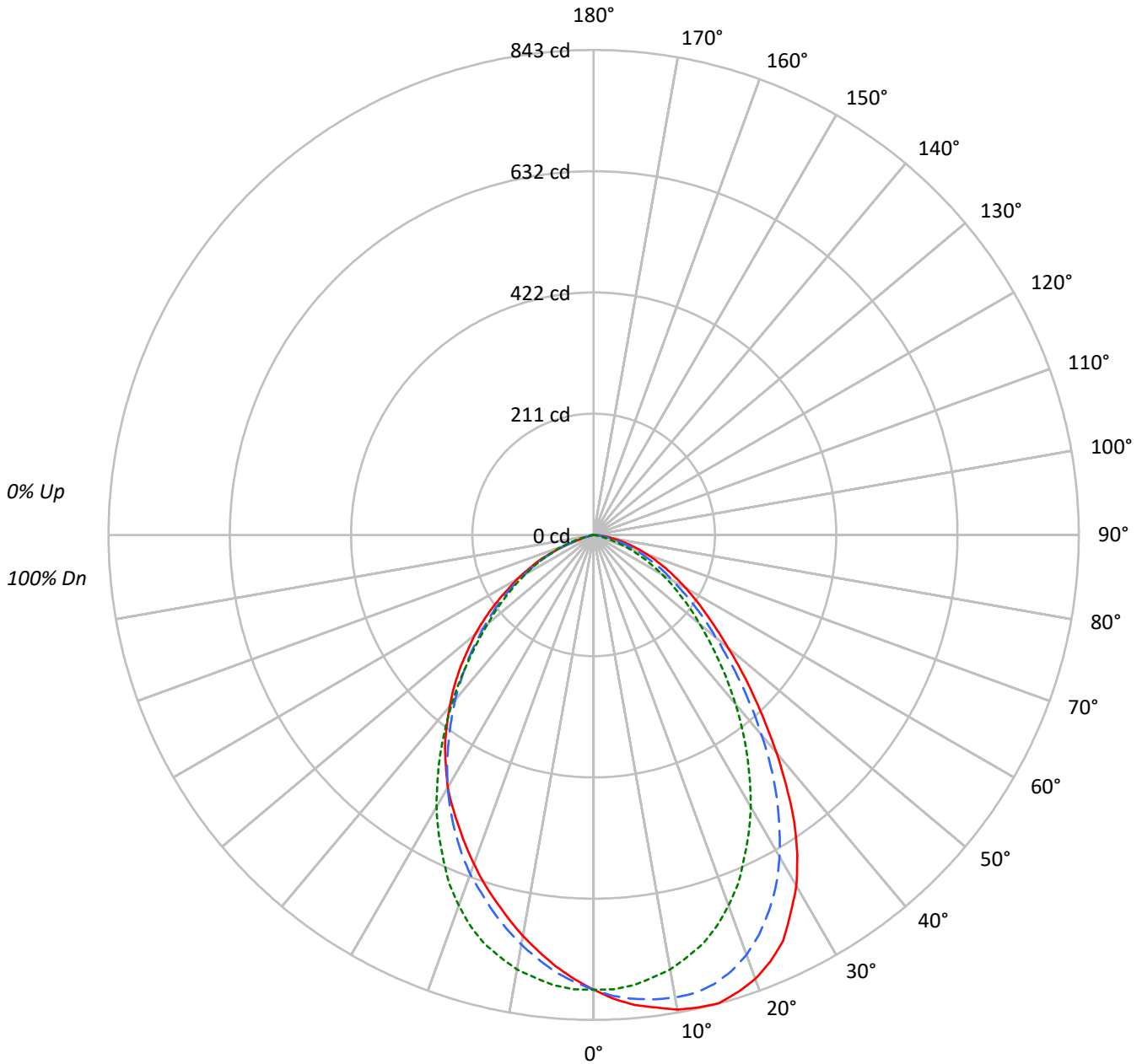
Lumens per Lamp: N/A
Luminaire Lumens: 1472.8 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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: P584045
CATALOG NUMBER: HCC8W20D010MB-HM80520927-81WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P584045

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|--|--|--|---|
| RF | 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° | 24379 | 24379 | 24379 |
| 5° | 25389 | 24327 | 23302 |
| 10° | 26236 | 24016 | 22166 |
| 15° | 26899 | 23467 | 21016 |
| 20° | 26955 | 22492 | 19971 |
| 25° | 26498 | 21068 | 18938 |
| 30° | 25081 | 19441 | 18056 |
| 35° | 22865 | 17486 | 16951 |
| 40° | 19889 | 15417 | 15655 |
| 45° | 17060 | 13349 | 14330 |
| 50° | 14574 | 11509 | 12871 |
| 55° | 12774 | 9914 | 11182 |
| 60° | 11372 | 8455 | 9405 |
| 65° | 10091 | 6902 | 7501 |
| 70° | 8953 | 5112 | 4265 |
| 75° | 7458 | 2681 | 1263 |
| 80° | 5878 | 835 | 213 |
| 85° | 4175 | 425 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.5 | 5.1 |
| 10°-20° | 208.8 | 14.2 |
| 20°-30° | 295.5 | 20.1 |
| 30°-40° | 309.2 | 21.0 |
| 40°-50° | 257.9 | 17.5 |
| 50°-60° | 182.9 | 12.4 |
| 60°-70° | 105.3 | 7.2 |
| 70°-80° | 33.9 | 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° | 578.8 | 39.3 |
| 0°-40° | 888.1 | 60.3 |
| 0°-60° | 1328.9 | 90.2 |
| 0°-90° | 1472.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1472.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 791 | 791 | 791 | 791 | 791 | |
| 5° | 820 | 810 | 786 | 762 | 753 | 79 |
| 15° | 843 | 808 | 735 | 677 | 658 | 237 |
| 25° | 779 | 721 | 619 | 570 | 557 | 355 |
| 35° | 607 | 554 | 464 | 440 | 450 | 377 |
| 45° | 391 | 359 | 306 | 310 | 329 | 303 |
| 55° | 238 | 213 | 184 | 194 | 208 | 215 |
| 65° | 138 | 116 | 95 | 95 | 103 | 138 |
| 75° | 63 | 46 | 22 | 11 | 11 | 68 |
| 85° | 12 | 6 | 1 | 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° | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 |
| 2.5° | 807.2 | 806.0 | 804.8 | 806.0 | 804.8 | 806.0 | 804.8 | 804.8 | 803.6 | 802.5 | 802.5 |
| 5° | 820.2 | 819.0 | 819.0 | 819.0 | 817.8 | 816.6 | 816.6 | 815.5 | 813.1 | 811.9 | 809.6 |
| 7.5° | 828.5 | 829.6 | 829.6 | 829.6 | 827.3 | 827.3 | 824.9 | 822.6 | 820.2 | 817.8 | 814.3 |
| 10° | 837.9 | 837.9 | 836.7 | 835.6 | 833.2 | 832.0 | 830.8 | 828.5 | 824.9 | 820.2 | 816.6 |
| 12.5° | 841.5 | 841.5 | 840.3 | 837.9 | 836.7 | 835.6 | 834.4 | 830.8 | 826.1 | 820.2 | 815.5 |
| 15° | 842.6 | 840.3 | 839.1 | 837.9 | 835.6 | 832.0 | 832.0 | 827.3 | 821.4 | 814.3 | 808.4 |
| 17.5° | 833.2 | 834.4 | 832.0 | 829.6 | 826.1 | 823.7 | 820.2 | 816.6 | 809.6 | 801.3 | 795.4 |
| 20° | 821.4 | 820.2 | 819.0 | 815.5 | 810.7 | 809.6 | 806.0 | 800.1 | 794.2 | 784.7 | 776.5 |
| 22.5° | 802.5 | 801.3 | 798.9 | 796.5 | 791.8 | 789.5 | 785.9 | 778.8 | 770.5 | 761.1 | 751.6 |
| 25° | 778.8 | 776.5 | 772.9 | 768.2 | 764.6 | 762.3 | 757.5 | 750.5 | 741.0 | 730.4 | 720.9 |
| 27.5° | 741.0 | 744.5 | 742.2 | 735.1 | 731.5 | 726.8 | 725.6 | 716.2 | 707.9 | 697.3 | 686.6 |
| 30° | 704.4 | 704.4 | 700.8 | 697.3 | 691.4 | 687.8 | 683.1 | 676.0 | 667.7 | 654.7 | 646.4 |
| 32.5° | 658.3 | 657.1 | 652.3 | 651.2 | 646.4 | 639.3 | 638.2 | 628.7 | 620.4 | 611.0 | 600.3 |
| 35° | 607.4 | 605.1 | 600.3 | 596.8 | 594.4 | 590.9 | 587.3 | 579.1 | 570.8 | 561.3 | 554.2 |
| 37.5° | 549.5 | 549.5 | 548.3 | 542.4 | 540.1 | 537.7 | 534.1 | 526.0 | 521.3 | 511.8 | 504.7 |
| 40° | 494.1 | 492.9 | 489.3 | 488.2 | 485.8 | 482.3 | 479.9 | 475.2 | 468.1 | 461.0 | 453.9 |
| 42.5° | 439.7 | 440.9 | 436.2 | 437.3 | 432.6 | 430.2 | 429.1 | 422.0 | 418.4 | 411.3 | 405.4 |
| 45° | 391.2 | 390.1 | 387.7 | 386.5 | 384.2 | 381.8 | 379.4 | 375.9 | 370.0 | 362.9 | 359.3 |
| 47.5° | 346.3 | 342.8 | 342.8 | 341.6 | 340.4 | 335.7 | 334.5 | 331.0 | 327.4 | 320.3 | 315.6 |
| 50° | 303.8 | 303.8 | 303.8 | 302.6 | 299.0 | 297.9 | 295.5 | 292.0 | 288.4 | 283.7 | 276.6 |
| 52.5° | 269.5 | 269.5 | 269.5 | 268.3 | 263.6 | 262.4 | 261.2 | 256.5 | 251.8 | 248.2 | 243.5 |
| 55° | 237.6 | 238.8 | 237.6 | 235.2 | 231.7 | 231.7 | 228.1 | 225.8 | 221.0 | 217.5 | 212.8 |
| 57.5° | 210.4 | 210.4 | 208.0 | 206.8 | 204.5 | 203.3 | 200.9 | 198.6 | 192.7 | 189.1 | 183.2 |
| 60° | 184.4 | 183.2 | 183.2 | 180.8 | 178.5 | 176.1 | 174.9 | 171.4 | 169.0 | 163.1 | 158.4 |
| 62.5° | 160.8 | 160.8 | 158.4 | 158.4 | 153.7 | 153.7 | 152.5 | 148.9 | 145.4 | 139.5 | 137.1 |
| 65° | 138.3 | 138.3 | 137.1 | 135.9 | 132.4 | 131.2 | 130.0 | 126.5 | 122.9 | 119.4 | 115.8 |
| 67.5° | 118.2 | 118.2 | 115.8 | 114.7 | 112.3 | 111.1 | 108.7 | 106.4 | 102.8 | 99.3 | 95.7 |
| 70° | 99.3 | 98.1 | 96.9 | 95.7 | 93.4 | 92.2 | 89.8 | 87.5 | 83.9 | 81.6 | 78.0 |
| 72.5° | 80.4 | 80.4 | 79.2 | 76.8 | 75.6 | 74.5 | 73.3 | 70.9 | 67.4 | 63.8 | 61.5 |
| 75° | 62.6 | 62.6 | 62.6 | 60.3 | 57.9 | 56.7 | 56.7 | 54.4 | 52.0 | 48.5 | 46.1 |
| 77.5° | 48.5 | 47.3 | 46.1 | 46.1 | 43.7 | 42.6 | 41.4 | 40.2 | 36.6 | 35.5 | 33.1 |
| 80° | 33.1 | 34.3 | 33.1 | 31.9 | 30.7 | 29.6 | 29.6 | 27.2 | 26.0 | 23.6 | 21.3 |
| 82.5° | 22.5 | 21.3 | 21.3 | 20.1 | 20.1 | 18.9 | 18.9 | 16.5 | 15.4 | 14.2 | 13.0 |
| 85° | 11.8 | 11.8 | 10.6 | 10.6 | 10.6 | 9.5 | 9.5 | 8.3 | 8.3 | 7.1 | 5.9 |
| 87.5° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 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° | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 |
| 2.5° | 801.3 | 798.9 | 797.7 | 797.7 | 796.5 | 795.4 | 794.2 | 793.0 | 790.6 | 790.6 | 788.3 |
| 5° | 807.2 | 804.8 | 803.6 | 800.1 | 797.7 | 797.7 | 793.0 | 791.8 | 788.3 | 785.9 | 783.5 |
| 7.5° | 811.9 | 807.2 | 803.6 | 800.1 | 797.7 | 795.4 | 790.6 | 785.9 | 781.2 | 776.5 | 774.1 |
| 10° | 811.9 | 807.2 | 801.3 | 795.4 | 793.0 | 790.6 | 784.7 | 777.6 | 771.7 | 767.0 | 761.1 |
| 12.5° | 809.6 | 802.5 | 795.4 | 790.6 | 785.9 | 782.4 | 775.3 | 768.2 | 761.1 | 751.6 | 746.9 |
| 15° | 802.5 | 793.0 | 785.9 | 777.6 | 774.1 | 768.2 | 762.3 | 751.6 | 743.4 | 735.1 | 729.2 |
| 17.5° | 788.3 | 776.5 | 768.2 | 759.9 | 754.0 | 750.5 | 741.0 | 731.5 | 722.1 | 712.6 | 705.5 |
| 20° | 767.0 | 756.4 | 746.9 | 736.3 | 731.5 | 726.8 | 715.0 | 705.5 | 696.1 | 685.4 | 678.3 |
| 22.5° | 741.0 | 730.4 | 717.4 | 709.1 | 702.0 | 696.1 | 685.4 | 674.8 | 665.3 | 655.9 | 646.4 |
| 25° | 709.1 | 698.4 | 686.6 | 673.6 | 668.9 | 663.0 | 651.2 | 640.5 | 629.9 | 619.2 | 611.0 |
| 27.5° | 674.8 | 660.6 | 651.2 | 637.0 | 632.3 | 626.3 | 613.3 | 601.5 | 592.1 | 583.8 | 574.3 |
| 30° | 633.4 | 622.8 | 609.8 | 596.8 | 592.1 | 586.2 | 575.5 | 564.9 | 555.4 | 546.0 | 536.5 |
| 32.5° | 588.5 | 577.9 | 564.9 | 555.4 | 548.3 | 543.6 | 533.0 | 523.6 | 514.2 | 504.7 | 496.4 |
| 35° | 541.2 | 529.4 | 520.1 | 510.6 | 504.7 | 498.8 | 488.2 | 479.9 | 472.8 | 464.5 | 456.3 |
| 37.5° | 492.9 | 484.6 | 475.2 | 464.5 | 458.6 | 453.9 | 445.6 | 436.2 | 430.2 | 423.2 | 417.2 |
| 40° | 445.6 | 436.2 | 427.9 | 418.4 | 413.7 | 410.2 | 401.9 | 394.8 | 388.9 | 383.0 | 379.4 |
| 42.5° | 397.2 | 388.9 | 380.6 | 374.7 | 371.1 | 367.6 | 361.7 | 353.4 | 349.9 | 344.0 | 340.4 |
| 45° | 352.2 | 345.1 | 339.2 | 331.0 | 328.6 | 326.2 | 319.1 | 313.2 | 309.7 | 306.1 | 303.8 |
| 47.5° | 309.7 | 305.0 | 297.9 | 293.1 | 289.6 | 287.2 | 282.5 | 277.8 | 274.2 | 271.9 | 269.5 |
| 50° | 273.0 | 267.1 | 262.4 | 257.7 | 255.3 | 251.8 | 247.0 | 244.7 | 242.3 | 239.9 | 239.9 |
| 52.5° | 238.8 | 232.9 | 228.1 | 224.6 | 222.2 | 219.9 | 216.3 | 215.1 | 212.8 | 212.8 | 211.6 |
| 55° | 206.8 | 203.3 | 198.6 | 193.8 | 192.7 | 191.5 | 189.1 | 186.8 | 185.6 | 184.4 | 185.6 |
| 57.5° | 179.7 | 176.1 | 171.4 | 167.8 | 166.7 | 165.5 | 164.3 | 161.9 | 160.8 | 160.8 | 160.8 |
| 60° | 154.8 | 151.3 | 147.8 | 144.2 | 144.2 | 141.8 | 140.7 | 139.5 | 138.3 | 137.1 | 137.1 |
| 62.5° | 132.4 | 128.8 | 125.3 | 122.9 | 121.7 | 120.6 | 118.2 | 117.0 | 115.8 | 115.8 | 114.7 |
| 65° | 112.3 | 107.6 | 106.4 | 102.8 | 101.7 | 100.5 | 99.3 | 96.9 | 95.7 | 94.6 | 93.4 |
| 67.5° | 92.2 | 89.8 | 86.3 | 83.9 | 82.7 | 81.6 | 80.4 | 78.0 | 76.8 | 75.6 | 73.3 |
| 70° | 74.5 | 72.1 | 69.7 | 67.4 | 66.2 | 65.0 | 62.6 | 60.3 | 59.1 | 56.7 | 53.2 |
| 72.5° | 57.9 | 55.6 | 53.2 | 50.8 | 49.6 | 48.5 | 46.1 | 43.7 | 41.4 | 39.0 | 36.6 |
| 75° | 43.7 | 41.4 | 37.8 | 35.5 | 34.3 | 34.3 | 30.7 | 28.4 | 26.0 | 22.5 | 20.1 |
| 77.5° | 30.7 | 27.2 | 26.0 | 23.6 | 22.5 | 20.1 | 17.7 | 15.4 | 13.0 | 11.8 | 9.5 |
| 80° | 20.1 | 17.7 | 15.4 | 14.2 | 13.0 | 11.8 | 10.6 | 8.3 | 5.9 | 4.7 | 3.5 |
| 82.5° | 11.8 | 10.6 | 9.5 | 8.3 | 7.1 | 5.9 | 4.7 | 4.7 | 3.5 | 2.4 | 1.2 |
| 85° | 5.9 | 4.7 | 3.5 | 3.5 | 2.4 | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 | 1.2 |
| 87.5° | 2.4 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 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° | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 |
| 2.5° | 787.1 | 785.9 | 784.7 | 783.5 | 783.5 | 781.2 | 781.2 | 780.0 | 777.6 | 776.5 | 776.5 |
| 5° | 780.0 | 776.5 | 774.1 | 772.9 | 771.7 | 768.2 | 767.0 | 764.6 | 762.3 | 759.9 | 758.7 |
| 7.5° | 769.4 | 763.5 | 761.1 | 759.9 | 756.4 | 752.8 | 750.5 | 746.9 | 743.4 | 739.8 | 738.6 |
| 10° | 756.4 | 750.5 | 744.5 | 742.2 | 738.6 | 736.3 | 731.5 | 726.8 | 723.3 | 719.7 | 716.2 |
| 12.5° | 739.8 | 732.7 | 726.8 | 724.4 | 720.9 | 716.2 | 709.1 | 706.7 | 700.8 | 698.4 | 693.7 |
| 15° | 720.9 | 712.6 | 706.7 | 703.2 | 699.6 | 692.5 | 687.8 | 683.1 | 677.2 | 674.8 | 670.1 |
| 17.5° | 697.3 | 687.8 | 681.9 | 678.3 | 676.0 | 670.1 | 663.0 | 657.1 | 651.2 | 648.8 | 645.3 |
| 20° | 668.9 | 663.0 | 654.7 | 651.2 | 648.8 | 641.7 | 634.6 | 632.3 | 627.5 | 622.8 | 619.2 |
| 22.5° | 637.0 | 631.1 | 622.8 | 619.2 | 618.1 | 612.2 | 606.2 | 602.7 | 599.2 | 595.6 | 592.1 |
| 25° | 603.9 | 596.8 | 589.7 | 587.3 | 585.0 | 580.2 | 575.5 | 573.2 | 569.6 | 567.2 | 564.9 |
| 27.5° | 568.4 | 561.3 | 555.4 | 551.9 | 549.5 | 546.0 | 543.6 | 541.2 | 538.9 | 536.5 | 535.3 |
| 30° | 530.6 | 523.6 | 518.9 | 516.5 | 514.2 | 513.0 | 509.4 | 508.3 | 507.1 | 504.7 | 505.9 |
| 32.5° | 492.9 | 487.0 | 482.3 | 478.7 | 478.7 | 476.3 | 475.2 | 475.2 | 474.0 | 474.0 | 474.0 |
| 35° | 451.5 | 448.0 | 444.4 | 443.2 | 442.1 | 440.9 | 439.7 | 440.9 | 439.7 | 440.9 | 442.1 |
| 37.5° | 413.7 | 410.2 | 407.8 | 406.6 | 405.4 | 406.6 | 405.4 | 405.4 | 406.6 | 409.0 | 410.2 |
| 40° | 374.7 | 372.3 | 370.0 | 371.1 | 370.0 | 370.0 | 370.0 | 373.5 | 374.7 | 375.9 | 377.1 |
| 42.5° | 338.1 | 335.7 | 334.5 | 334.5 | 335.7 | 334.5 | 336.9 | 338.1 | 340.4 | 344.0 | 346.3 |
| 45° | 302.6 | 301.4 | 301.4 | 302.6 | 301.4 | 303.8 | 303.8 | 306.1 | 309.7 | 312.0 | 314.4 |
| 47.5° | 269.5 | 269.5 | 269.5 | 270.7 | 270.7 | 271.9 | 274.2 | 275.4 | 277.8 | 280.1 | 282.5 |
| 50° | 238.8 | 239.9 | 241.1 | 241.1 | 241.1 | 243.5 | 245.9 | 247.0 | 248.2 | 249.4 | 252.9 |
| 52.5° | 211.6 | 212.8 | 212.8 | 213.9 | 215.1 | 216.3 | 217.5 | 219.9 | 221.0 | 223.4 | 224.6 |
| 55° | 185.6 | 185.6 | 187.9 | 189.1 | 189.1 | 189.1 | 191.5 | 191.5 | 193.8 | 195.0 | 197.4 |
| 57.5° | 160.8 | 161.9 | 161.9 | 163.1 | 163.1 | 164.3 | 165.5 | 166.7 | 167.8 | 169.0 | 170.2 |
| 60° | 137.1 | 137.1 | 137.1 | 138.3 | 139.5 | 140.7 | 139.5 | 141.8 | 141.8 | 144.2 | 145.4 |
| 62.5° | 114.7 | 115.8 | 115.8 | 115.8 | 115.8 | 115.8 | 115.8 | 117.0 | 118.2 | 119.4 | 120.6 |
| 65° | 93.4 | 93.4 | 93.4 | 92.2 | 93.4 | 92.2 | 93.4 | 94.6 | 94.6 | 95.7 | 96.9 |
| 67.5° | 72.1 | 72.1 | 69.7 | 69.7 | 70.9 | 70.9 | 70.9 | 70.9 | 69.7 | 72.1 | 72.1 |
| 70° | 52.0 | 50.8 | 49.6 | 48.5 | 48.5 | 47.3 | 47.3 | 46.1 | 46.1 | 46.1 | 46.1 |
| 72.5° | 34.3 | 31.9 | 29.6 | 28.4 | 27.2 | 27.2 | 24.8 | 23.6 | 24.8 | 24.8 | 24.8 |
| 75° | 17.7 | 15.4 | 14.2 | 13.0 | 11.8 | 11.8 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 77.5° | 7.1 | 5.9 | 4.7 | 4.7 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 80° | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 82.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85° | 1.2 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 | 1.2 | 1.2 | 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: P584045

CATALOG NUMBER: HCC8W20D010MB-HM80520927-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 | 790.6 |
| 2.5° | 775.3 | 775.3 | 774.1 | 775.3 | 772.9 | 774.1 | 772.9 | 772.9 |
| 5° | 757.5 | 755.2 | 755.2 | 755.2 | 754.0 | 754.0 | 752.8 | 752.8 |
| 7.5° | 736.3 | 735.1 | 733.9 | 732.7 | 731.5 | 730.4 | 730.4 | 730.4 |
| 10° | 715.0 | 712.6 | 712.6 | 711.4 | 709.1 | 707.9 | 707.9 | 707.9 |
| 12.5° | 690.2 | 689.0 | 687.8 | 687.8 | 683.1 | 684.3 | 683.1 | 683.1 |
| 15° | 666.5 | 665.3 | 665.3 | 661.8 | 659.4 | 659.4 | 659.4 | 658.3 |
| 17.5° | 641.7 | 640.5 | 639.3 | 637.0 | 634.6 | 634.6 | 633.4 | 634.6 |
| 20° | 615.7 | 614.5 | 612.2 | 612.2 | 611.0 | 609.8 | 607.4 | 608.6 |
| 22.5° | 589.7 | 587.3 | 586.2 | 586.2 | 585.0 | 585.0 | 582.6 | 582.6 |
| 25° | 562.5 | 561.3 | 560.1 | 561.3 | 559.0 | 559.0 | 556.6 | 556.6 |
| 27.5° | 534.1 | 533.0 | 533.0 | 533.0 | 531.8 | 533.0 | 531.8 | 531.8 |
| 30° | 505.9 | 505.9 | 504.7 | 504.7 | 505.9 | 504.7 | 505.9 | 507.1 |
| 32.5° | 475.2 | 475.2 | 476.3 | 476.3 | 477.5 | 477.5 | 477.5 | 477.5 |
| 35° | 443.2 | 445.6 | 445.6 | 446.8 | 448.0 | 449.2 | 449.2 | 450.3 |
| 37.5° | 413.7 | 414.9 | 416.1 | 417.2 | 419.6 | 419.6 | 419.6 | 419.6 |
| 40° | 381.8 | 383.0 | 385.3 | 384.2 | 388.9 | 390.1 | 388.9 | 388.9 |
| 42.5° | 348.7 | 351.1 | 352.2 | 354.6 | 355.8 | 358.1 | 359.3 | 359.3 |
| 45° | 318.0 | 319.1 | 321.5 | 323.9 | 325.0 | 328.6 | 328.6 | 328.6 |
| 47.5° | 286.0 | 288.4 | 289.6 | 292.0 | 293.1 | 296.7 | 297.9 | 296.7 |
| 50° | 255.3 | 257.7 | 260.0 | 260.0 | 263.6 | 264.8 | 267.1 | 268.3 |
| 52.5° | 225.8 | 226.9 | 229.3 | 230.5 | 232.9 | 235.2 | 236.4 | 237.6 |
| 55° | 197.4 | 198.6 | 200.9 | 200.9 | 204.5 | 205.7 | 208.0 | 208.0 |
| 57.5° | 171.4 | 172.6 | 174.9 | 173.8 | 176.1 | 178.5 | 178.5 | 177.3 |
| 60° | 146.6 | 146.6 | 146.6 | 148.9 | 150.1 | 151.3 | 152.5 | 152.5 |
| 62.5° | 120.6 | 122.9 | 124.1 | 124.1 | 125.3 | 126.5 | 126.5 | 125.3 |
| 65° | 96.9 | 99.3 | 100.5 | 100.5 | 101.7 | 101.7 | 101.7 | 102.8 |
| 67.5° | 73.3 | 73.3 | 73.3 | 74.5 | 73.3 | 73.3 | 73.3 | 73.3 |
| 70° | 46.1 | 46.1 | 46.1 | 46.1 | 44.9 | 46.1 | 46.1 | 47.3 |
| 72.5° | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 |
| 75° | 10.6 | 10.6 | 10.6 | 11.8 | 10.6 | 10.6 | 10.6 | 10.6 |
| 77.5° | 4.7 | 3.5 | 4.7 | 4.7 | 3.5 | 3.5 | 3.5 | 3.5 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 82.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85° | 0.0 | 1.2 | 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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