

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: P583813

Luminaire Tested: **HCC8W10D010SL-HM80520935-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W10D010SL-HM80520935-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

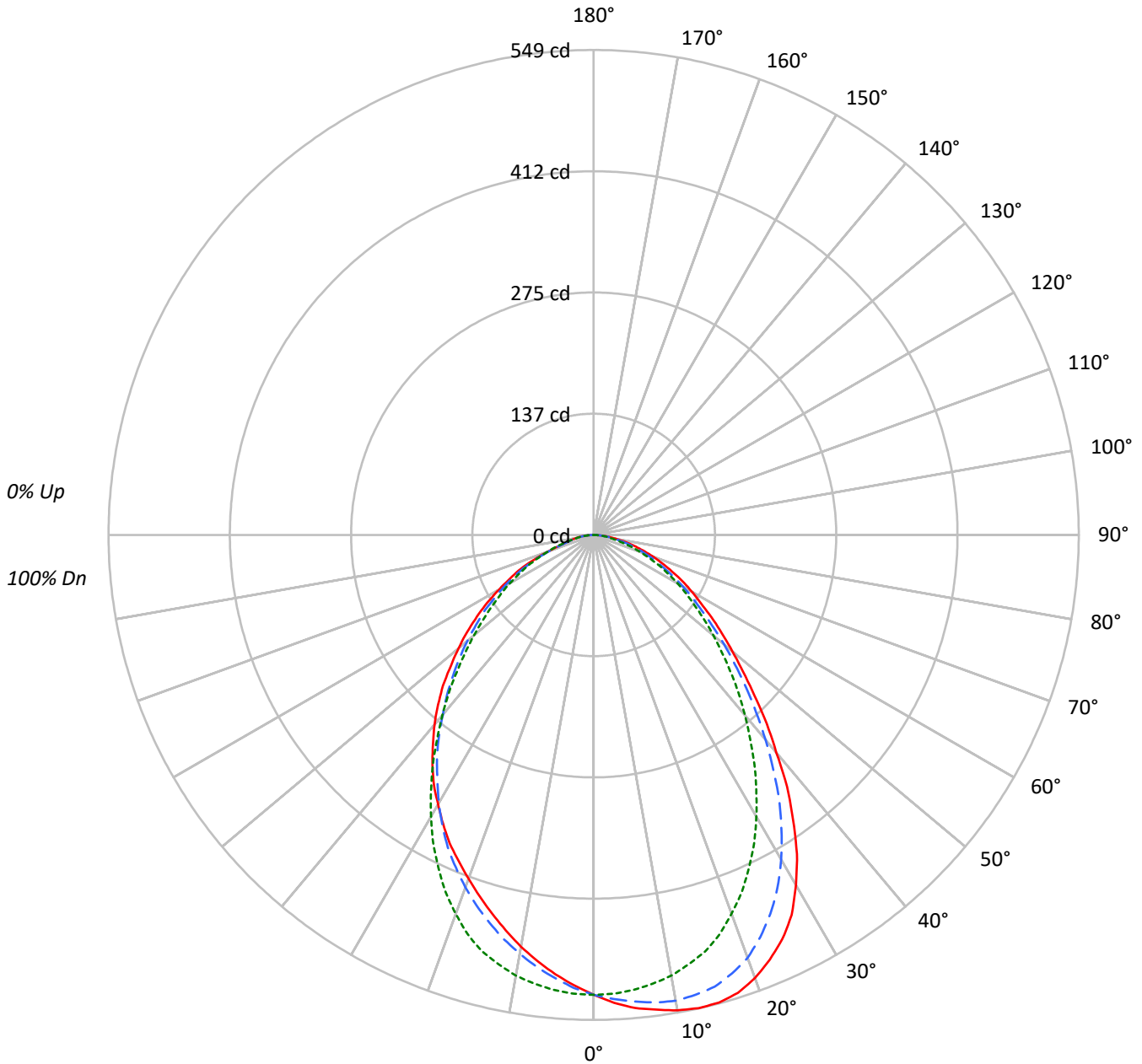
Lumens per Lamp: N/A
Luminaire Lumens: 1047.2 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P583813
CATALOG NUMBER: HCC8W10D010SL-HM80520935-81WWWB

Luminous Intensity Polar Plot



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CATALOG NUMBER: HCC8W10D010SL-HM80520935-81WWWB

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 | 110 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 92 | 91 | 89 | 87 | | | | | | | | |
| 2 | 102 | 94 | 88 | 83 | 99 | 93 | 87 | 82 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 | | | | | | | | |
| 3 | 94 | 84 | 77 | 71 | 91 | 83 | 76 | 71 | 80 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 65 | | | | | | | | |
| 4 | 87 | 76 | 68 | 62 | 84 | 75 | 67 | 61 | 72 | 66 | 61 | 70 | 64 | 60 | 68 | 63 | 59 | 57 | | | | | | | | |
| 5 | 80 | 69 | 60 | 54 | 78 | 67 | 60 | 54 | 65 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 | | | | | | | | |
| 6 | 75 | 62 | 54 | 48 | 73 | 61 | 54 | 48 | 60 | 53 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 45 | | | | | | | | |
| 7 | 70 | 57 | 49 | 43 | 68 | 56 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 42 | 40 | | | | | | | | |
| 8 | 65 | 52 | 45 | 39 | 64 | 52 | 44 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 38 | 37 | | | | | | | | |
| 9 | 61 | 48 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | | | | | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 44 | 37 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 16053 | 16053 | 16053 |
| 5° | 16644 | 16003 | 15452 |
| 10° | 17112 | 15863 | 14820 |
| 15° | 17494 | 15582 | 14168 |
| 20° | 17520 | 14974 | 13589 |
| 25° | 17186 | 14144 | 13113 |
| 30° | 16297 | 13114 | 12537 |
| 35° | 14809 | 11941 | 11971 |
| 40° | 12950 | 10716 | 11283 |
| 45° | 11221 | 9546 | 10514 |
| 50° | 9825 | 8477 | 9580 |
| 55° | 8752 | 7516 | 8666 |
| 60° | 7888 | 6753 | 7610 |
| 65° | 7121 | 5939 | 6640 |
| 70° | 6401 | 4995 | 4932 |
| 75° | 5647 | 3967 | 3693 |
| 80° | 4724 | 3285 | 3552 |
| 85° | 3644 | 2901 | 3149 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 49.1 | 4.7 |
| 10°-20° | 138.3 | 13.2 |
| 20°-30° | 197.7 | 18.9 |
| 30°-40° | 210.1 | 20.1 |
| 40°-50° | 180.9 | 17.3 |
| 50°-60° | 135.2 | 12.9 |
| 60°-70° | 86.3 | 8.2 |
| 70°-80° | 39.2 | 3.7 |
| 80°-90° | 10.3 | 1.0 |
| 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° | 385.2 | 36.8 |
| 0°-40° | 595.2 | 56.8 |
| 0°-60° | 911.3 | 87.0 |
| 0°-90° | 1047.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1047.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 521 | 521 | 521 | 521 | 521 | |
| 5° | 538 | 530 | 517 | 504 | 499 | 52 |
| 15° | 548 | 530 | 488 | 455 | 444 | 154 |
| 25° | 505 | 473 | 416 | 390 | 385 | 231 |
| 35° | 393 | 366 | 317 | 309 | 318 | 245 |
| 45° | 257 | 243 | 219 | 225 | 241 | 200 |
| 55° | 163 | 149 | 140 | 152 | 161 | 146 |
| 65° | 98 | 86 | 81 | 85 | 91 | 97 |
| 75° | 47 | 41 | 33 | 30 | 31 | 50 |
| 85° | 10 | 9 | 8 | 9 | 9 | 12 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P583813

CATALOG NUMBER: HCC8W10D010SL-HM80520935-81WWWB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 |
| 2.5° | 530.2 | 528.8 | 529.5 | 528.8 | 529.5 | 529.5 | 528.0 | 528.0 | 528.0 | 528.0 | 525.9 |
| 5° | 537.7 | 536.9 | 536.9 | 536.2 | 535.5 | 536.2 | 535.5 | 534.6 | 533.2 | 532.5 | 530.2 |
| 7.5° | 542.1 | 542.1 | 542.1 | 542.1 | 541.4 | 540.7 | 539.8 | 538.4 | 536.9 | 535.5 | 533.9 |
| 10° | 546.5 | 547.3 | 546.5 | 545.8 | 545.0 | 543.5 | 542.8 | 541.4 | 539.1 | 536.9 | 535.5 |
| 12.5° | 548.7 | 548.7 | 548.0 | 548.0 | 546.5 | 545.8 | 543.5 | 541.4 | 539.1 | 536.9 | 533.2 |
| 15° | 548.0 | 548.0 | 547.3 | 546.5 | 544.3 | 543.5 | 542.1 | 539.8 | 536.2 | 533.2 | 529.5 |
| 17.5° | 543.5 | 542.8 | 541.4 | 541.4 | 538.4 | 537.7 | 536.2 | 533.2 | 529.5 | 525.0 | 520.6 |
| 20° | 533.9 | 533.9 | 533.2 | 532.5 | 529.5 | 527.3 | 525.9 | 522.1 | 519.1 | 514.0 | 509.5 |
| 22.5° | 520.6 | 522.1 | 520.6 | 519.1 | 515.4 | 514.7 | 512.5 | 508.1 | 503.6 | 497.7 | 492.6 |
| 25° | 505.1 | 504.4 | 503.6 | 502.2 | 499.2 | 497.7 | 494.7 | 490.3 | 485.8 | 479.2 | 473.3 |
| 27.5° | 485.1 | 482.2 | 482.2 | 479.2 | 477.0 | 474.8 | 473.3 | 468.9 | 463.0 | 457.7 | 450.4 |
| 30° | 457.7 | 458.6 | 454.8 | 454.1 | 450.4 | 448.9 | 445.9 | 441.5 | 436.3 | 430.4 | 424.5 |
| 32.5° | 428.2 | 426.0 | 426.0 | 423.0 | 420.1 | 417.8 | 417.1 | 411.9 | 407.5 | 401.6 | 395.7 |
| 35° | 393.4 | 393.4 | 391.3 | 390.5 | 387.5 | 386.1 | 383.8 | 380.9 | 375.7 | 370.5 | 366.1 |
| 37.5° | 359.4 | 358.0 | 357.2 | 355.7 | 353.5 | 351.3 | 351.3 | 346.1 | 345.3 | 339.4 | 333.6 |
| 40° | 321.7 | 323.2 | 321.7 | 319.5 | 318.8 | 317.2 | 316.5 | 313.6 | 311.3 | 306.1 | 302.4 |
| 42.5° | 289.9 | 288.5 | 288.5 | 287.6 | 284.8 | 284.8 | 283.2 | 281.7 | 278.0 | 276.6 | 272.1 |
| 45° | 257.3 | 258.8 | 256.6 | 257.3 | 254.5 | 254.5 | 254.5 | 251.5 | 248.5 | 246.3 | 243.3 |
| 47.5° | 229.2 | 229.9 | 229.9 | 227.8 | 227.1 | 227.1 | 225.6 | 224.1 | 221.9 | 218.9 | 216.7 |
| 50° | 204.8 | 205.5 | 204.1 | 203.4 | 201.9 | 201.2 | 201.2 | 198.2 | 196.8 | 193.8 | 192.3 |
| 52.5° | 182.7 | 182.7 | 182.0 | 182.0 | 179.7 | 179.7 | 178.3 | 176.0 | 174.5 | 173.1 | 169.4 |
| 55° | 162.8 | 162.8 | 161.9 | 161.2 | 161.2 | 159.0 | 158.3 | 156.0 | 154.6 | 151.6 | 149.4 |
| 57.5° | 143.5 | 144.2 | 143.5 | 142.7 | 142.0 | 141.2 | 139.8 | 137.5 | 136.1 | 133.9 | 132.3 |
| 60° | 127.9 | 127.9 | 127.2 | 126.5 | 125.0 | 124.3 | 123.4 | 122.0 | 119.8 | 118.3 | 116.1 |
| 62.5° | 113.1 | 112.4 | 111.7 | 110.9 | 109.5 | 109.5 | 107.9 | 106.5 | 104.3 | 102.8 | 101.3 |
| 65° | 97.6 | 97.6 | 96.9 | 96.9 | 96.2 | 94.7 | 93.9 | 93.2 | 90.3 | 89.4 | 86.5 |
| 67.5° | 83.5 | 84.3 | 82.8 | 82.8 | 81.4 | 81.4 | 80.7 | 78.4 | 77.6 | 76.2 | 74.6 |
| 70° | 71.0 | 71.0 | 71.0 | 70.3 | 68.8 | 68.0 | 67.3 | 65.9 | 65.0 | 63.6 | 62.1 |
| 72.5° | 58.4 | 58.4 | 57.7 | 57.7 | 57.0 | 56.3 | 55.4 | 54.0 | 54.0 | 52.5 | 51.1 |
| 75° | 47.4 | 47.4 | 46.6 | 45.8 | 45.1 | 45.1 | 44.4 | 43.6 | 42.2 | 41.5 | 40.6 |
| 77.5° | 36.2 | 36.2 | 36.2 | 35.5 | 34.7 | 34.7 | 34.7 | 33.3 | 31.9 | 31.9 | 31.0 |
| 80° | 26.6 | 26.6 | 25.8 | 25.8 | 25.1 | 25.1 | 25.1 | 24.4 | 23.7 | 23.0 | 22.2 |
| 82.5° | 17.8 | 17.8 | 17.8 | 17.8 | 17.1 | 17.1 | 17.1 | 16.2 | 15.5 | 15.5 | 15.5 |
| 85° | 10.3 | 10.3 | 10.3 | 10.3 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 8.9 | 8.9 |
| 87.5° | 4.4 | 3.7 | 4.4 | 3.7 | 4.4 | 3.7 | 4.4 | 3.7 | 3.7 | 3.7 | 3.7 |
| 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° | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 |
| 2.5° | 526.6 | 525.9 | 525.0 | 524.3 | 524.3 | 523.6 | 522.1 | 521.4 | 520.6 | 519.9 | 519.9 |
| 5° | 529.5 | 528.8 | 527.3 | 525.9 | 525.0 | 523.6 | 522.1 | 520.6 | 519.1 | 517.0 | 516.3 |
| 7.5° | 531.8 | 529.5 | 528.0 | 525.0 | 524.3 | 522.9 | 520.6 | 518.4 | 515.4 | 512.5 | 510.2 |
| 10° | 531.8 | 528.8 | 526.6 | 522.9 | 521.4 | 519.9 | 517.0 | 513.3 | 509.5 | 506.6 | 502.9 |
| 12.5° | 530.2 | 526.6 | 522.9 | 519.1 | 517.0 | 514.7 | 510.2 | 506.6 | 502.2 | 497.7 | 494.7 |
| 15° | 525.0 | 520.6 | 516.3 | 511.8 | 509.5 | 506.6 | 502.2 | 497.0 | 492.6 | 488.1 | 483.0 |
| 17.5° | 515.4 | 511.0 | 505.8 | 500.6 | 497.7 | 495.5 | 488.9 | 485.1 | 478.5 | 474.1 | 469.6 |
| 20° | 502.9 | 497.7 | 491.0 | 485.8 | 482.2 | 480.0 | 474.8 | 468.2 | 463.0 | 456.3 | 451.8 |
| 22.5° | 486.6 | 480.0 | 473.3 | 468.2 | 464.5 | 461.4 | 454.8 | 448.2 | 443.8 | 437.8 | 432.6 |
| 25° | 467.3 | 460.7 | 454.1 | 446.7 | 442.9 | 440.1 | 434.2 | 428.2 | 422.3 | 415.7 | 411.2 |
| 27.5° | 444.5 | 437.0 | 431.2 | 424.5 | 420.8 | 416.4 | 409.8 | 403.8 | 397.9 | 393.4 | 387.5 |
| 30° | 419.4 | 411.2 | 405.3 | 398.6 | 395.0 | 391.3 | 384.5 | 378.6 | 373.5 | 368.3 | 365.3 |
| 32.5° | 389.0 | 383.1 | 377.2 | 370.5 | 367.6 | 365.3 | 358.7 | 352.8 | 346.9 | 342.4 | 340.2 |
| 35° | 360.1 | 353.5 | 348.3 | 342.4 | 338.7 | 336.4 | 330.6 | 325.4 | 322.5 | 317.2 | 314.3 |
| 37.5° | 329.8 | 324.7 | 318.8 | 312.9 | 310.6 | 308.4 | 304.0 | 298.8 | 294.4 | 290.6 | 289.2 |
| 40° | 298.1 | 293.6 | 288.5 | 284.8 | 282.5 | 280.3 | 276.6 | 272.9 | 270.0 | 266.2 | 264.8 |
| 42.5° | 267.7 | 264.8 | 260.4 | 255.9 | 253.6 | 252.9 | 248.5 | 245.6 | 244.0 | 242.6 | 241.1 |
| 45° | 240.4 | 236.0 | 232.9 | 229.9 | 227.8 | 226.3 | 224.1 | 221.9 | 220.3 | 218.9 | 217.4 |
| 47.5° | 213.7 | 210.0 | 207.1 | 204.8 | 202.7 | 201.9 | 200.4 | 198.2 | 196.8 | 196.8 | 196.8 |
| 50° | 189.3 | 186.3 | 183.4 | 182.0 | 181.1 | 179.7 | 178.3 | 177.5 | 176.7 | 176.7 | 176.7 |
| 52.5° | 167.9 | 164.9 | 162.8 | 161.2 | 161.2 | 159.7 | 158.3 | 157.6 | 157.6 | 157.6 | 157.6 |
| 55° | 148.0 | 145.7 | 144.2 | 142.7 | 141.2 | 140.5 | 140.5 | 140.5 | 139.8 | 139.8 | 140.5 |
| 57.5° | 130.2 | 128.7 | 126.5 | 125.0 | 124.3 | 124.3 | 123.4 | 122.7 | 123.4 | 124.3 | 125.0 |
| 60° | 113.9 | 112.4 | 111.7 | 109.5 | 109.5 | 109.5 | 108.7 | 108.7 | 108.7 | 109.5 | 110.2 |
| 62.5° | 99.0 | 98.3 | 96.9 | 96.2 | 95.4 | 95.4 | 94.7 | 94.7 | 94.7 | 94.7 | 95.4 |
| 65° | 85.8 | 84.3 | 82.8 | 82.8 | 82.8 | 82.1 | 82.1 | 80.7 | 81.4 | 81.4 | 80.7 |
| 67.5° | 73.2 | 71.8 | 71.0 | 70.3 | 69.5 | 69.5 | 68.8 | 68.0 | 67.3 | 67.3 | 67.3 |
| 70° | 61.4 | 59.9 | 59.9 | 58.4 | 58.4 | 57.7 | 57.0 | 57.0 | 56.3 | 55.4 | 54.7 |
| 72.5° | 49.5 | 48.8 | 48.1 | 47.4 | 47.4 | 47.4 | 46.6 | 45.8 | 45.1 | 44.4 | 42.9 |
| 75° | 39.2 | 39.2 | 37.7 | 37.0 | 37.0 | 36.2 | 35.5 | 34.7 | 34.0 | 33.3 | 32.6 |
| 77.5° | 30.3 | 29.6 | 28.1 | 27.4 | 27.4 | 27.4 | 26.6 | 25.8 | 25.1 | 24.4 | 23.7 |
| 80° | 22.2 | 21.4 | 20.7 | 20.0 | 20.0 | 20.0 | 19.2 | 19.2 | 18.5 | 18.5 | 18.5 |
| 82.5° | 14.8 | 14.8 | 14.1 | 14.1 | 14.1 | 14.1 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| 85° | 8.9 | 8.9 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 |
| 87.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 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° | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 |
| 2.5° | 518.4 | 518.4 | 517.0 | 516.3 | 515.4 | 516.3 | 514.7 | 514.0 | 513.3 | 513.3 | 512.5 |
| 5° | 514.0 | 513.3 | 510.2 | 509.5 | 508.8 | 508.1 | 506.6 | 505.1 | 503.6 | 502.9 | 502.2 |
| 7.5° | 508.1 | 505.8 | 502.9 | 502.2 | 501.4 | 499.2 | 497.0 | 495.5 | 493.3 | 492.6 | 491.0 |
| 10° | 499.9 | 497.0 | 494.7 | 492.6 | 491.0 | 488.9 | 486.6 | 484.4 | 481.4 | 480.7 | 478.5 |
| 12.5° | 490.3 | 486.6 | 482.2 | 481.4 | 479.2 | 476.2 | 473.3 | 471.1 | 468.9 | 467.3 | 465.2 |
| 15° | 478.5 | 474.8 | 470.3 | 468.2 | 465.9 | 463.7 | 460.0 | 457.0 | 454.8 | 452.6 | 450.4 |
| 17.5° | 464.5 | 460.0 | 456.3 | 454.1 | 452.6 | 448.9 | 445.9 | 442.2 | 440.1 | 437.8 | 435.6 |
| 20° | 447.4 | 443.8 | 438.6 | 436.3 | 435.6 | 432.6 | 429.0 | 427.4 | 424.5 | 422.3 | 420.8 |
| 22.5° | 428.2 | 424.5 | 420.1 | 418.5 | 415.7 | 414.1 | 410.5 | 408.9 | 407.5 | 405.3 | 404.5 |
| 25° | 406.8 | 403.0 | 399.3 | 398.6 | 396.4 | 395.0 | 392.7 | 390.5 | 390.5 | 388.2 | 388.2 |
| 27.5° | 384.5 | 380.9 | 377.9 | 376.5 | 375.7 | 374.2 | 372.0 | 371.3 | 370.5 | 369.7 | 369.7 |
| 30° | 360.8 | 356.5 | 355.0 | 354.2 | 353.5 | 352.1 | 351.3 | 349.8 | 350.5 | 351.3 | 350.5 |
| 32.5° | 335.7 | 334.3 | 331.3 | 329.8 | 330.6 | 329.8 | 328.4 | 329.8 | 329.1 | 330.6 | 331.3 |
| 35° | 311.3 | 309.9 | 308.4 | 308.4 | 306.9 | 306.9 | 306.9 | 307.7 | 309.2 | 309.9 | 311.3 |
| 37.5° | 287.6 | 285.5 | 284.8 | 284.0 | 284.8 | 284.8 | 284.8 | 286.2 | 287.6 | 289.2 | 291.4 |
| 40° | 262.5 | 261.1 | 261.1 | 261.1 | 261.1 | 263.2 | 262.5 | 264.0 | 265.5 | 267.7 | 270.0 |
| 42.5° | 238.8 | 238.8 | 239.6 | 239.6 | 239.6 | 239.6 | 241.1 | 243.3 | 245.6 | 247.7 | 250.0 |
| 45° | 216.7 | 216.7 | 216.7 | 218.2 | 218.2 | 218.9 | 221.9 | 223.3 | 224.8 | 227.1 | 229.2 |
| 47.5° | 195.9 | 195.9 | 196.8 | 197.5 | 198.2 | 199.7 | 201.2 | 203.4 | 205.5 | 207.1 | 209.3 |
| 50° | 176.7 | 177.5 | 179.0 | 180.4 | 180.4 | 181.1 | 183.4 | 184.9 | 186.3 | 188.6 | 189.3 |
| 52.5° | 158.3 | 159.7 | 161.2 | 161.9 | 162.8 | 164.2 | 164.9 | 167.1 | 167.9 | 170.1 | 170.8 |
| 55° | 141.2 | 142.0 | 144.2 | 145.0 | 145.0 | 146.4 | 148.0 | 149.4 | 151.6 | 151.6 | 153.1 |
| 57.5° | 125.7 | 126.5 | 127.9 | 128.7 | 127.9 | 130.2 | 130.9 | 132.3 | 133.1 | 134.6 | 135.3 |
| 60° | 110.2 | 111.7 | 112.4 | 112.4 | 113.1 | 113.9 | 115.4 | 115.4 | 116.8 | 118.3 | 118.3 |
| 62.5° | 95.4 | 96.2 | 96.9 | 97.6 | 98.3 | 97.6 | 99.9 | 99.9 | 101.3 | 102.0 | 103.5 |
| 65° | 81.4 | 82.1 | 82.1 | 82.8 | 82.8 | 83.5 | 83.5 | 84.3 | 85.1 | 86.5 | 87.3 |
| 67.5° | 67.3 | 67.3 | 67.3 | 68.0 | 67.3 | 68.0 | 68.0 | 68.8 | 68.8 | 70.3 | 71.0 |
| 70° | 54.7 | 54.0 | 53.2 | 53.2 | 53.2 | 53.2 | 52.5 | 53.2 | 53.2 | 54.0 | 54.0 |
| 72.5° | 42.2 | 41.5 | 40.6 | 39.9 | 39.9 | 39.2 | 38.5 | 39.2 | 39.2 | 39.9 | 39.9 |
| 75° | 31.9 | 30.3 | 30.3 | 30.3 | 29.6 | 29.6 | 29.6 | 30.3 | 30.3 | 30.3 | 31.0 |
| 77.5° | 23.7 | 23.7 | 23.0 | 23.0 | 23.0 | 23.7 | 23.7 | 24.4 | 24.4 | 24.4 | 24.4 |
| 80° | 17.8 | 18.5 | 18.5 | 18.5 | 18.5 | 19.2 | 19.2 | 19.2 | 19.2 | 20.0 | 20.0 |
| 82.5° | 13.3 | 13.3 | 13.3 | 13.3 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 |
| 85° | 8.2 | 8.9 | 8.9 | 8.2 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 87.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 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: P583813

CATALOG NUMBER: HCC8W10D010SL-HM80520935-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 | 520.6 |
| 2.5° | 511.8 | 511.8 | 511.8 | 511.8 | 511.0 | 511.0 | 511.0 | 510.2 |
| 5° | 500.6 | 500.6 | 500.6 | 499.2 | 499.9 | 499.9 | 498.5 | 499.2 |
| 7.5° | 489.6 | 488.9 | 488.1 | 488.1 | 487.4 | 486.6 | 485.8 | 486.6 |
| 10° | 477.0 | 474.8 | 474.8 | 474.1 | 474.1 | 472.6 | 472.6 | 473.3 |
| 12.5° | 463.0 | 461.4 | 461.4 | 460.7 | 460.0 | 459.3 | 458.6 | 458.6 |
| 15° | 448.9 | 447.4 | 446.7 | 445.9 | 445.2 | 443.8 | 444.5 | 443.8 |
| 17.5° | 434.9 | 432.6 | 432.6 | 431.9 | 431.2 | 429.7 | 429.7 | 429.0 |
| 20° | 418.5 | 417.8 | 416.4 | 417.1 | 416.4 | 414.9 | 414.1 | 414.1 |
| 22.5° | 402.3 | 402.3 | 401.6 | 401.6 | 400.9 | 400.1 | 399.3 | 399.3 |
| 25° | 386.8 | 386.1 | 386.8 | 386.8 | 384.5 | 384.5 | 384.5 | 385.4 |
| 27.5° | 369.0 | 369.7 | 369.0 | 369.0 | 369.0 | 369.0 | 369.7 | 369.0 |
| 30° | 351.3 | 351.3 | 351.3 | 352.1 | 353.5 | 352.8 | 352.8 | 352.1 |
| 32.5° | 332.1 | 332.8 | 332.8 | 333.6 | 334.3 | 335.7 | 335.7 | 336.4 |
| 35° | 312.9 | 314.3 | 315.0 | 314.3 | 316.5 | 316.5 | 318.0 | 318.0 |
| 37.5° | 292.8 | 293.6 | 295.1 | 295.8 | 297.3 | 298.1 | 298.8 | 298.8 |
| 40° | 271.4 | 274.4 | 275.1 | 275.9 | 278.0 | 278.0 | 278.9 | 280.3 |
| 42.5° | 251.5 | 254.5 | 255.2 | 255.9 | 257.3 | 259.6 | 258.8 | 260.4 |
| 45° | 232.2 | 234.4 | 235.2 | 236.0 | 238.1 | 238.8 | 238.8 | 241.1 |
| 47.5° | 211.6 | 213.0 | 213.7 | 215.2 | 216.7 | 218.2 | 219.6 | 218.9 |
| 50° | 190.8 | 193.0 | 194.5 | 195.2 | 197.5 | 198.2 | 198.9 | 199.7 |
| 52.5° | 172.4 | 173.8 | 174.5 | 175.3 | 177.5 | 178.3 | 179.0 | 180.4 |
| 55° | 154.6 | 155.3 | 156.7 | 156.0 | 158.3 | 159.0 | 159.7 | 161.2 |
| 57.5° | 136.8 | 137.5 | 138.4 | 138.4 | 139.8 | 141.2 | 142.0 | 142.7 |
| 60° | 119.8 | 121.3 | 122.0 | 122.0 | 122.0 | 123.4 | 123.4 | 123.4 |
| 62.5° | 104.3 | 104.3 | 105.1 | 105.1 | 106.5 | 106.5 | 106.5 | 106.5 |
| 65° | 88.0 | 88.7 | 89.4 | 89.4 | 91.0 | 90.3 | 91.7 | 91.0 |
| 67.5° | 71.0 | 71.0 | 72.5 | 72.5 | 71.8 | 72.5 | 72.5 | 72.5 |
| 70° | 54.0 | 54.0 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| 72.5° | 39.9 | 39.9 | 39.9 | 40.6 | 39.9 | 39.9 | 40.6 | 39.9 |
| 75° | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 77.5° | 24.4 | 24.4 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 |
| 80° | 20.0 | 20.0 | 20.0 | 20.0 | 20.7 | 20.0 | 20.0 | 20.0 |
| 82.5° | 14.8 | 14.1 | 14.8 | 14.1 | 14.8 | 14.8 | 14.8 | 14.8 |
| 85° | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 87.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 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)