

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: P583795

Luminaire Tested: **HCC8W10D010MB-HM80520930-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W10D010MB-HM80520930-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

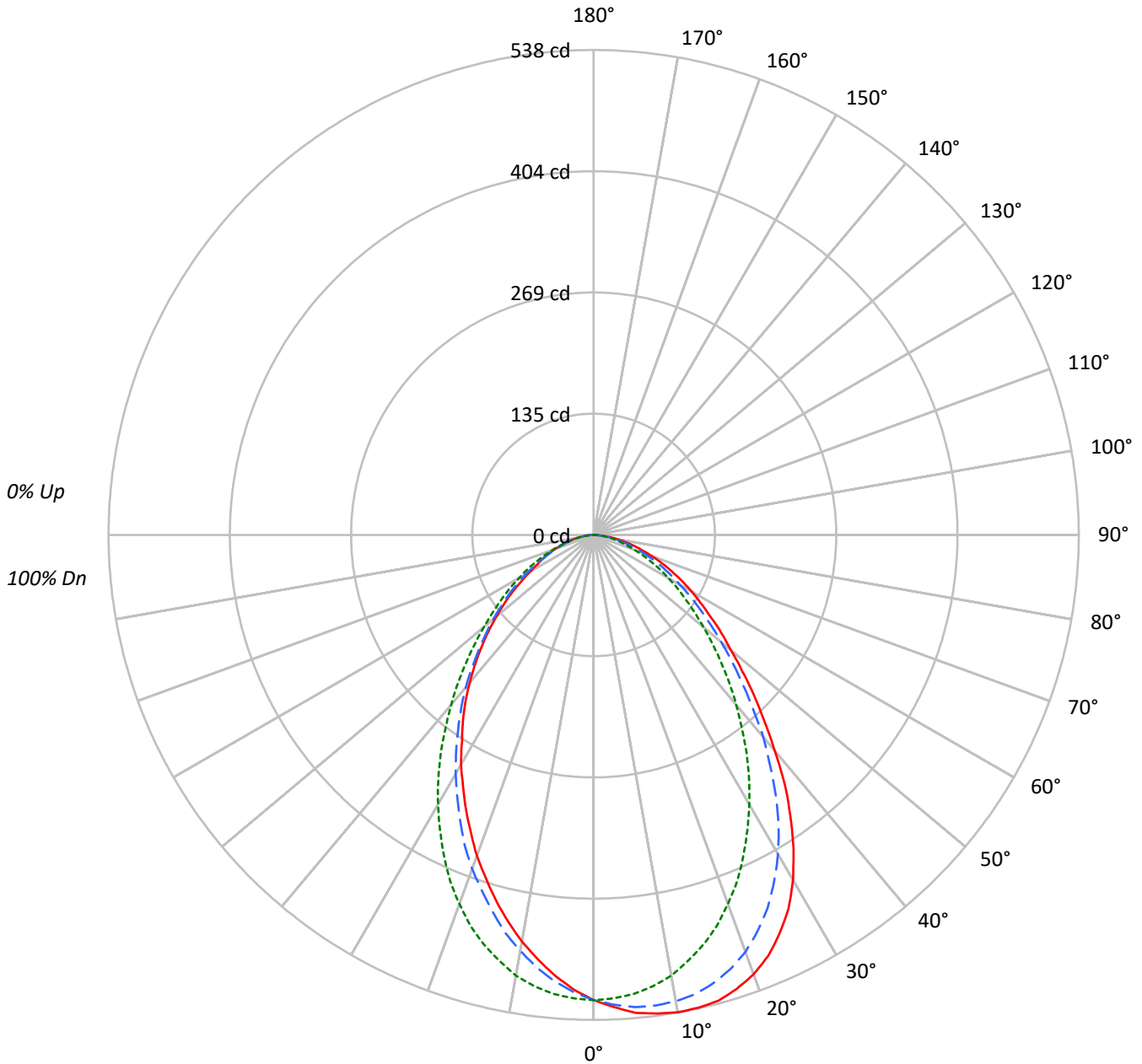
Lumens per Lamp: N/A
Luminaire Lumens: 952.4 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P583795
CATALOG NUMBER: HCC8W10D010MB-HM80520930-81WWW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
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CATALOG NUMBER: HCC8W10D010MB-HM80520930-81WWW

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 | 93 | 91 | 89 | 87 | | | | | | | | |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 83 | 80 | 78 | 76 | | | | | | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | | | | |
| 4 | 87 | 76 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 68 | 64 | 60 | 58 | | | | | | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 60 | 54 | 64 | 59 | 54 | 63 | 57 | 53 | 51 | | | | | | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 48 | 57 | 52 | 48 | 46 | | | | | | | | |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 41 | | | | | | | | |
| 8 | 66 | 53 | 46 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 39 | 38 | | | | | | | | |
| 9 | 62 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 45 | 38 | 34 | 44 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 15912 | 15912 | 15912 |
| 5° | 16471 | 15821 | 15192 |
| 10° | 16840 | 15543 | 14341 |
| 15° | 17076 | 15020 | 13389 |
| 20° | 17025 | 14291 | 12430 |
| 25° | 16604 | 13365 | 11412 |
| 30° | 15735 | 12291 | 10472 |
| 35° | 14312 | 11124 | 9516 |
| 40° | 12571 | 9894 | 8598 |
| 45° | 10959 | 8700 | 7662 |
| 50° | 9537 | 7623 | 6755 |
| 55° | 8505 | 6699 | 5876 |
| 60° | 7734 | 5871 | 5014 |
| 65° | 6946 | 5115 | 4546 |
| 70° | 6185 | 4355 | 4111 |
| 75° | 5433 | 3670 | 3503 |
| 80° | 4617 | 2983 | 3108 |
| 85° | 3503 | 2229 | 2477 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 48.3 | 5.1 |
| 10°-20° | 133.2 | 14.0 |
| 20°-30° | 184.9 | 19.4 |
| 30°-40° | 191.1 | 20.1 |
| 40°-50° | 160.0 | 16.8 |
| 50°-60° | 116.2 | 12.2 |
| 60°-70° | 73.3 | 7.7 |
| 70°-80° | 36.3 | 3.8 |
| 80°-90° | 9.0 | 0.9 |
| 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° | 366.4 | 38.5 |
| 0°-40° | 557.5 | 58.5 |
| 0°-60° | 833.7 | 87.5 |
| 0°-90° | 952.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 952.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 516 | 516 | 516 | 516 | 516 | |
| 5° | 532 | 526 | 511 | 497 | 491 | 51 |
| 15° | 535 | 515 | 470 | 433 | 419 | 151 |
| 25° | 488 | 456 | 393 | 350 | 335 | 224 |
| 35° | 380 | 352 | 296 | 262 | 253 | 237 |
| 45° | 251 | 233 | 200 | 180 | 176 | 194 |
| 55° | 158 | 144 | 125 | 114 | 109 | 143 |
| 65° | 95 | 83 | 70 | 62 | 62 | 95 |
| 75° | 46 | 38 | 31 | 29 | 29 | 49 |
| 85° | 10 | 8 | 6 | 7 | 7 | 12 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P583795

CATALOG NUMBER: HCC8W10D010MB-HM80520930-81WWW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 |
| 2.5° | 524.4 | 524.4 | 525.2 | 524.4 | 524.4 | 524.4 | 523.7 | 523.7 | 523.0 | 523.0 | 521.7 |
| 5° | 532.1 | 530.7 | 532.1 | 530.7 | 530.7 | 530.7 | 530.1 | 528.6 | 527.9 | 526.5 | 525.9 |
| 7.5° | 535.6 | 534.9 | 534.9 | 534.2 | 534.2 | 533.6 | 532.8 | 532.1 | 529.4 | 528.6 | 526.5 |
| 10° | 537.8 | 537.1 | 537.1 | 536.3 | 534.9 | 534.9 | 533.6 | 532.8 | 529.4 | 527.9 | 525.2 |
| 12.5° | 537.1 | 537.1 | 537.1 | 536.3 | 534.2 | 533.6 | 532.1 | 530.1 | 527.2 | 524.4 | 521.7 |
| 15° | 534.9 | 534.9 | 533.6 | 532.8 | 530.7 | 529.4 | 528.6 | 525.2 | 522.3 | 518.8 | 514.6 |
| 17.5° | 527.9 | 527.9 | 527.2 | 525.9 | 523.7 | 522.3 | 520.9 | 517.5 | 514.6 | 509.0 | 504.8 |
| 20° | 518.8 | 518.2 | 517.5 | 515.3 | 513.3 | 512.5 | 510.4 | 505.6 | 502.1 | 497.9 | 492.2 |
| 22.5° | 505.6 | 504.8 | 504.1 | 502.7 | 499.2 | 497.9 | 496.4 | 492.9 | 486.6 | 482.4 | 475.4 |
| 25° | 488.0 | 488.0 | 486.6 | 484.5 | 481.0 | 479.6 | 477.6 | 474.1 | 468.4 | 462.2 | 456.5 |
| 27.5° | 467.7 | 467.0 | 464.9 | 463.5 | 460.7 | 458.6 | 455.1 | 450.9 | 445.3 | 440.4 | 433.4 |
| 30° | 441.9 | 441.9 | 440.4 | 438.2 | 434.8 | 433.4 | 430.6 | 425.7 | 420.1 | 413.8 | 408.9 |
| 32.5° | 412.4 | 412.4 | 410.2 | 408.9 | 406.8 | 403.3 | 402.5 | 397.0 | 392.1 | 387.2 | 381.6 |
| 35° | 380.2 | 380.9 | 379.5 | 376.7 | 373.2 | 373.2 | 371.8 | 366.9 | 361.3 | 356.4 | 352.2 |
| 37.5° | 348.0 | 345.9 | 345.2 | 343.8 | 341.7 | 338.8 | 337.5 | 335.4 | 330.4 | 326.9 | 320.7 |
| 40° | 312.3 | 313.0 | 311.6 | 310.1 | 309.5 | 307.4 | 306.6 | 303.1 | 299.7 | 295.5 | 292.7 |
| 42.5° | 280.1 | 280.1 | 280.1 | 278.6 | 277.3 | 275.1 | 274.4 | 272.4 | 268.2 | 265.4 | 261.2 |
| 45° | 251.3 | 249.3 | 249.3 | 248.6 | 247.9 | 246.4 | 244.4 | 242.9 | 240.2 | 238.1 | 233.2 |
| 47.5° | 223.3 | 224.1 | 223.3 | 222.6 | 220.6 | 219.8 | 219.1 | 216.4 | 213.6 | 211.4 | 207.9 |
| 50° | 198.8 | 200.3 | 198.8 | 198.8 | 197.5 | 196.8 | 195.3 | 193.3 | 191.1 | 187.6 | 184.1 |
| 52.5° | 178.5 | 178.5 | 177.9 | 177.2 | 175.0 | 173.7 | 173.0 | 172.2 | 168.8 | 166.0 | 163.1 |
| 55° | 158.2 | 158.9 | 158.9 | 156.9 | 156.1 | 154.7 | 154.1 | 151.9 | 150.5 | 146.3 | 144.2 |
| 57.5° | 140.8 | 140.0 | 140.8 | 139.3 | 138.0 | 136.5 | 135.8 | 134.4 | 132.3 | 129.6 | 126.7 |
| 60° | 125.4 | 123.9 | 123.9 | 123.2 | 121.9 | 121.2 | 119.7 | 117.7 | 115.5 | 112.7 | 110.6 |
| 62.5° | 110.0 | 109.3 | 108.5 | 107.8 | 106.4 | 105.8 | 105.1 | 102.9 | 100.8 | 98.7 | 96.6 |
| 65° | 95.2 | 95.2 | 94.5 | 93.2 | 92.4 | 91.7 | 91.0 | 89.7 | 86.8 | 85.5 | 83.3 |
| 67.5° | 82.0 | 81.3 | 81.3 | 79.8 | 78.4 | 77.8 | 77.8 | 76.3 | 74.2 | 72.1 | 70.7 |
| 70° | 68.6 | 69.4 | 68.6 | 67.9 | 66.5 | 66.5 | 65.1 | 64.4 | 61.7 | 60.9 | 58.8 |
| 72.5° | 56.7 | 56.7 | 56.0 | 56.0 | 54.6 | 54.0 | 54.0 | 52.5 | 51.1 | 49.8 | 48.3 |
| 75° | 45.6 | 45.6 | 45.6 | 44.8 | 44.1 | 42.7 | 42.7 | 42.1 | 40.6 | 39.2 | 37.9 |
| 77.5° | 35.7 | 35.0 | 35.0 | 34.3 | 33.7 | 32.9 | 32.9 | 32.2 | 30.8 | 30.0 | 28.7 |
| 80° | 26.0 | 25.2 | 25.2 | 25.2 | 23.8 | 24.5 | 23.8 | 23.1 | 22.4 | 21.8 | 21.0 |
| 82.5° | 16.8 | 17.5 | 17.5 | 16.8 | 16.1 | 16.1 | 16.1 | 15.4 | 15.4 | 14.7 | 14.1 |
| 85° | 9.9 | 9.9 | 9.9 | 9.9 | 9.1 | 9.1 | 9.1 | 8.4 | 8.4 | 8.4 | 7.7 |
| 87.5° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 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° | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 |
| 2.5° | 521.7 | 520.2 | 519.5 | 518.8 | 518.8 | 518.2 | 517.5 | 516.0 | 516.0 | 514.6 | 514.0 |
| 5° | 524.4 | 522.3 | 520.9 | 519.5 | 518.8 | 517.5 | 516.0 | 514.0 | 513.3 | 511.1 | 509.0 |
| 7.5° | 525.2 | 521.7 | 520.2 | 517.5 | 516.0 | 514.6 | 511.8 | 509.8 | 506.9 | 504.8 | 502.1 |
| 10° | 522.3 | 519.5 | 516.0 | 512.5 | 511.8 | 509.8 | 505.6 | 502.7 | 499.2 | 496.4 | 492.2 |
| 12.5° | 518.2 | 514.0 | 510.4 | 506.2 | 504.1 | 502.1 | 497.9 | 493.7 | 488.7 | 483.8 | 479.6 |
| 15° | 511.1 | 506.2 | 501.4 | 496.4 | 493.7 | 491.5 | 486.6 | 481.8 | 476.8 | 470.5 | 466.3 |
| 17.5° | 500.6 | 495.0 | 490.2 | 483.8 | 481.0 | 478.9 | 472.6 | 467.0 | 460.7 | 454.4 | 450.1 |
| 20° | 487.3 | 480.3 | 474.7 | 467.7 | 465.7 | 462.2 | 455.8 | 449.5 | 442.5 | 435.5 | 430.6 |
| 22.5° | 469.9 | 462.8 | 456.5 | 449.5 | 446.1 | 442.5 | 436.2 | 428.5 | 421.5 | 415.9 | 411.0 |
| 25° | 449.5 | 443.2 | 435.5 | 429.2 | 425.0 | 420.8 | 413.8 | 407.5 | 401.2 | 392.8 | 387.9 |
| 27.5° | 427.1 | 419.4 | 413.8 | 405.4 | 401.2 | 398.3 | 390.6 | 382.2 | 376.7 | 369.0 | 363.4 |
| 30° | 401.9 | 394.9 | 388.6 | 380.2 | 376.0 | 373.2 | 366.1 | 358.4 | 352.9 | 345.2 | 339.6 |
| 32.5° | 375.3 | 367.6 | 359.9 | 354.2 | 349.4 | 346.5 | 338.8 | 334.0 | 326.9 | 320.7 | 314.3 |
| 35° | 346.5 | 338.8 | 333.3 | 325.6 | 322.7 | 320.0 | 313.7 | 307.4 | 301.1 | 295.5 | 290.5 |
| 37.5° | 315.8 | 310.1 | 303.9 | 298.2 | 296.2 | 293.4 | 285.7 | 280.1 | 275.1 | 269.6 | 265.4 |
| 40° | 285.7 | 280.8 | 276.6 | 270.9 | 267.4 | 265.4 | 259.8 | 254.8 | 249.3 | 245.8 | 241.6 |
| 42.5° | 258.3 | 252.8 | 248.6 | 244.4 | 240.9 | 238.7 | 233.9 | 230.3 | 226.1 | 222.6 | 217.8 |
| 45° | 229.7 | 226.8 | 222.0 | 218.4 | 216.4 | 213.6 | 210.1 | 205.9 | 202.3 | 199.5 | 196.0 |
| 47.5° | 204.5 | 201.7 | 198.1 | 194.0 | 192.6 | 190.4 | 186.9 | 184.1 | 181.4 | 178.5 | 175.0 |
| 50° | 181.4 | 177.9 | 175.0 | 172.2 | 170.8 | 168.8 | 165.3 | 163.8 | 161.8 | 158.9 | 156.9 |
| 52.5° | 160.3 | 157.6 | 154.7 | 151.2 | 150.5 | 149.2 | 147.0 | 144.2 | 142.1 | 140.8 | 139.3 |
| 55° | 141.5 | 138.6 | 136.5 | 133.8 | 133.1 | 131.6 | 128.9 | 127.4 | 126.1 | 124.6 | 123.2 |
| 57.5° | 124.6 | 121.9 | 119.0 | 117.7 | 116.2 | 114.8 | 114.1 | 112.0 | 110.6 | 110.0 | 108.5 |
| 60° | 109.3 | 106.4 | 104.3 | 102.2 | 101.6 | 100.8 | 99.4 | 98.1 | 96.6 | 95.2 | 94.5 |
| 62.5° | 94.5 | 91.7 | 90.3 | 88.9 | 87.5 | 87.5 | 86.1 | 84.7 | 83.3 | 82.6 | 81.3 |
| 65° | 81.3 | 79.8 | 77.8 | 75.6 | 74.9 | 74.9 | 72.8 | 72.1 | 71.4 | 70.1 | 68.6 |
| 67.5° | 68.6 | 67.2 | 65.1 | 64.4 | 63.7 | 63.0 | 62.3 | 60.9 | 59.5 | 58.8 | 57.5 |
| 70° | 57.5 | 56.0 | 54.6 | 54.0 | 53.2 | 52.5 | 51.1 | 50.4 | 49.0 | 48.3 | 47.6 |
| 72.5° | 46.2 | 45.6 | 44.1 | 43.4 | 42.7 | 42.1 | 41.3 | 40.6 | 39.2 | 38.5 | 37.9 |
| 75° | 37.1 | 36.4 | 35.0 | 34.3 | 33.7 | 33.7 | 32.9 | 31.5 | 30.8 | 30.8 | 30.0 |
| 77.5° | 28.0 | 27.3 | 26.6 | 26.0 | 25.2 | 25.2 | 24.5 | 23.8 | 23.1 | 23.1 | 22.4 |
| 80° | 20.3 | 19.6 | 18.9 | 18.9 | 18.9 | 18.2 | 17.5 | 17.5 | 16.8 | 16.8 | 16.1 |
| 82.5° | 13.3 | 13.3 | 12.6 | 12.6 | 12.6 | 11.9 | 11.9 | 11.2 | 11.2 | 11.2 | 11.2 |
| 85° | 7.7 | 7.7 | 7.7 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.3 | 7.0 |
| 87.5° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 2.8 | 2.8 | 2.8 |
| 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° | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 |
| 2.5° | 513.3 | 512.5 | 511.1 | 511.1 | 509.8 | 509.8 | 509.0 | 508.3 | 507.6 | 506.9 | 506.2 |
| 5° | 508.3 | 505.6 | 504.1 | 503.4 | 502.1 | 501.4 | 499.2 | 497.9 | 497.1 | 495.7 | 494.3 |
| 7.5° | 499.2 | 496.4 | 493.7 | 492.9 | 492.2 | 489.5 | 487.3 | 485.2 | 483.8 | 482.4 | 481.0 |
| 10° | 488.7 | 486.0 | 482.4 | 481.0 | 479.6 | 476.1 | 473.3 | 471.2 | 468.4 | 465.7 | 464.9 |
| 12.5° | 476.1 | 471.9 | 467.7 | 466.3 | 464.2 | 460.7 | 458.0 | 454.4 | 452.3 | 448.8 | 448.1 |
| 15° | 461.4 | 456.5 | 453.0 | 449.5 | 448.1 | 444.6 | 439.7 | 436.9 | 432.7 | 431.3 | 427.8 |
| 17.5° | 443.9 | 439.0 | 434.2 | 432.7 | 430.6 | 425.7 | 420.8 | 417.3 | 413.1 | 411.0 | 408.9 |
| 20° | 425.7 | 419.4 | 414.4 | 413.1 | 410.2 | 406.2 | 401.2 | 397.7 | 394.1 | 390.0 | 387.9 |
| 22.5° | 404.7 | 397.7 | 393.5 | 390.0 | 389.3 | 384.4 | 378.8 | 376.0 | 373.2 | 369.7 | 366.9 |
| 25° | 381.6 | 375.3 | 370.3 | 367.6 | 366.1 | 362.0 | 357.8 | 354.2 | 350.1 | 348.0 | 344.5 |
| 27.5° | 357.8 | 353.6 | 347.3 | 344.5 | 342.3 | 338.8 | 334.0 | 331.9 | 327.7 | 324.9 | 322.7 |
| 30° | 334.6 | 328.4 | 324.9 | 321.4 | 319.3 | 315.8 | 311.6 | 309.5 | 306.0 | 303.1 | 301.1 |
| 32.5° | 309.5 | 305.3 | 300.4 | 298.9 | 296.2 | 292.7 | 289.9 | 286.3 | 283.6 | 280.8 | 280.1 |
| 35° | 286.3 | 280.8 | 275.9 | 274.4 | 272.4 | 268.9 | 267.4 | 265.4 | 261.9 | 261.2 | 258.3 |
| 37.5° | 261.2 | 258.3 | 252.8 | 250.6 | 250.0 | 247.1 | 244.4 | 242.9 | 240.9 | 238.7 | 238.1 |
| 40° | 237.4 | 233.9 | 231.0 | 229.0 | 227.5 | 225.5 | 222.6 | 222.0 | 220.6 | 217.8 | 217.1 |
| 42.5° | 214.9 | 211.4 | 208.7 | 207.9 | 205.9 | 203.7 | 202.3 | 200.3 | 199.5 | 198.8 | 197.5 |
| 45° | 193.3 | 191.1 | 188.4 | 187.6 | 186.9 | 184.1 | 182.7 | 181.4 | 179.9 | 179.2 | 177.9 |
| 47.5° | 173.7 | 171.5 | 169.5 | 168.8 | 167.3 | 166.6 | 164.6 | 163.8 | 161.8 | 161.1 | 160.3 |
| 50° | 154.7 | 153.4 | 151.9 | 151.2 | 149.9 | 149.2 | 147.7 | 146.3 | 145.0 | 144.2 | 143.5 |
| 52.5° | 138.0 | 136.5 | 135.1 | 134.4 | 133.8 | 132.3 | 130.9 | 129.6 | 128.9 | 128.1 | 127.4 |
| 55° | 121.9 | 120.4 | 119.7 | 119.0 | 118.3 | 117.7 | 115.5 | 114.8 | 114.1 | 113.5 | 112.0 |
| 57.5° | 107.1 | 105.8 | 104.3 | 104.3 | 103.6 | 102.9 | 101.6 | 100.1 | 100.1 | 98.7 | 97.4 |
| 60° | 93.9 | 92.4 | 91.0 | 90.3 | 89.7 | 88.2 | 87.5 | 86.8 | 86.1 | 85.5 | 84.0 |
| 62.5° | 79.8 | 79.1 | 77.8 | 77.8 | 76.3 | 75.6 | 74.9 | 74.2 | 73.6 | 72.1 | 71.4 |
| 65° | 67.9 | 67.2 | 65.9 | 65.1 | 65.1 | 64.4 | 63.0 | 62.3 | 61.7 | 61.7 | 60.9 |
| 67.5° | 56.7 | 56.0 | 54.6 | 54.0 | 54.0 | 53.2 | 52.5 | 52.5 | 51.8 | 51.1 | 51.8 |
| 70° | 46.9 | 45.6 | 45.6 | 44.8 | 44.8 | 44.1 | 43.4 | 43.4 | 43.4 | 44.1 | 44.1 |
| 72.5° | 37.1 | 36.4 | 35.7 | 35.7 | 35.7 | 35.7 | 35.0 | 35.0 | 35.7 | 36.4 | 36.4 |
| 75° | 29.4 | 28.7 | 28.7 | 28.7 | 28.0 | 28.0 | 28.7 | 28.7 | 29.4 | 29.4 | 29.4 |
| 77.5° | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 22.4 | 22.4 | 23.1 | 23.1 | 23.1 |
| 80° | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 17.5 |
| 82.5° | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.9 | 11.9 | 11.9 | 11.9 |
| 85° | 6.3 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 87.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 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: P583795

CATALOG NUMBER: HCC8W10D010MB-HM80520930-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 | 516.0 |
| 2.5° | 505.6 | 505.6 | 505.6 | 506.2 | 504.8 | 504.8 | 504.8 | 504.8 |
| 5° | 493.7 | 492.9 | 492.2 | 492.9 | 491.5 | 491.5 | 490.8 | 490.8 |
| 7.5° | 478.9 | 478.2 | 477.6 | 477.6 | 476.1 | 476.1 | 475.4 | 474.7 |
| 10° | 462.8 | 461.4 | 462.2 | 460.7 | 460.0 | 459.3 | 458.6 | 458.0 |
| 12.5° | 445.3 | 443.9 | 443.2 | 441.9 | 440.4 | 439.7 | 440.4 | 439.0 |
| 15° | 426.3 | 424.3 | 423.6 | 422.1 | 420.8 | 420.1 | 420.1 | 419.4 |
| 17.5° | 405.4 | 404.0 | 403.3 | 401.9 | 401.2 | 399.8 | 399.1 | 398.3 |
| 20° | 385.8 | 382.2 | 383.0 | 381.6 | 380.9 | 378.1 | 378.1 | 378.8 |
| 22.5° | 364.1 | 362.0 | 360.6 | 359.2 | 358.4 | 357.1 | 357.1 | 356.4 |
| 25° | 342.3 | 340.3 | 339.6 | 338.1 | 337.5 | 336.1 | 335.4 | 335.4 |
| 27.5° | 321.4 | 318.5 | 318.5 | 317.2 | 315.8 | 315.0 | 314.3 | 313.7 |
| 30° | 298.9 | 296.9 | 296.2 | 296.2 | 295.5 | 295.5 | 293.4 | 294.1 |
| 32.5° | 278.0 | 276.6 | 275.9 | 274.4 | 274.4 | 273.8 | 273.8 | 271.7 |
| 35° | 257.0 | 254.8 | 255.5 | 254.1 | 253.5 | 252.8 | 253.5 | 252.8 |
| 37.5° | 236.7 | 235.2 | 235.2 | 233.9 | 233.9 | 233.2 | 232.5 | 233.9 |
| 40° | 216.4 | 215.6 | 214.9 | 214.2 | 214.9 | 214.2 | 212.9 | 213.6 |
| 42.5° | 196.0 | 196.0 | 195.3 | 195.3 | 194.6 | 194.6 | 194.6 | 194.6 |
| 45° | 177.9 | 177.2 | 177.2 | 176.5 | 176.5 | 176.5 | 176.5 | 175.7 |
| 47.5° | 159.6 | 158.9 | 158.9 | 158.9 | 158.2 | 158.2 | 157.6 | 158.2 |
| 50° | 142.1 | 142.1 | 141.5 | 141.5 | 142.1 | 141.5 | 140.8 | 140.8 |
| 52.5° | 126.1 | 126.1 | 125.4 | 125.4 | 124.6 | 123.9 | 124.6 | 124.6 |
| 55° | 111.3 | 110.6 | 110.0 | 110.0 | 109.3 | 108.5 | 108.5 | 109.3 |
| 57.5° | 97.4 | 96.6 | 95.9 | 95.9 | 94.5 | 93.9 | 93.9 | 93.9 |
| 60° | 84.0 | 82.6 | 82.6 | 82.0 | 82.0 | 81.3 | 81.3 | 81.3 |
| 62.5° | 71.4 | 70.7 | 70.7 | 70.7 | 70.7 | 70.1 | 70.1 | 70.1 |
| 65° | 60.9 | 60.9 | 60.9 | 61.7 | 61.7 | 62.3 | 62.3 | 62.3 |
| 67.5° | 52.5 | 53.2 | 53.2 | 53.2 | 54.0 | 54.0 | 54.0 | 53.2 |
| 70° | 44.8 | 44.8 | 44.8 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| 72.5° | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 |
| 75° | 29.4 | 30.0 | 30.0 | 30.0 | 29.4 | 30.0 | 30.0 | 29.4 |
| 77.5° | 23.1 | 23.1 | 23.1 | 23.1 | 23.1 | 23.1 | 23.1 | 23.1 |
| 80° | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 |
| 82.5° | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 85° | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 87.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 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)