

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1446714

Luminaire Tested: P3ART13R709740DE010 E3LDWW1B

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART13R709740DE010 E3LDWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3LDWW1B TRIM
Light Source: -
Ballast/Driver: -

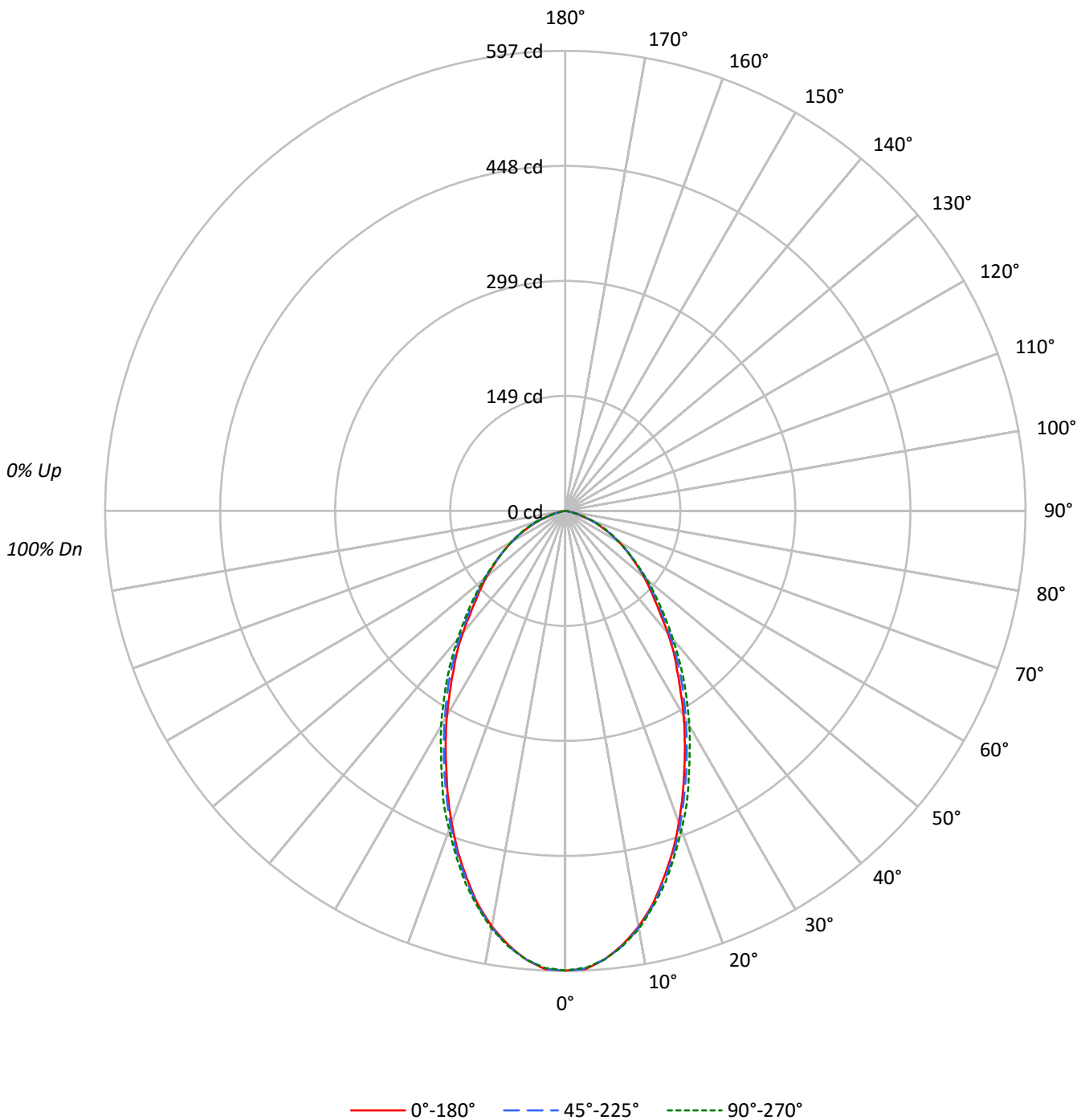
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 831.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): 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: 24 FT

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Luminous Intensity Polar Plot





TEST NUMBER: P1446714
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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 | | | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | | | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 78 | | | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 69 | | | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 61 | | | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 55 | | | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 | | | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 45 | | | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 | | | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 38 | | | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 35 | | | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 130823 | 130823 | 130823 |
| 5° | 128637 | 128637 | 128637 |
| 10° | 121953 | 122264 | 122554 |
| 15° | 111987 | 112623 | 113531 |
| 20° | 100529 | 101485 | 102746 |
| 25° | 88457 | 89763 | 91747 |
| 30° | 77759 | 79151 | 81557 |
| 35° | 67673 | 69841 | 71661 |
| 40° | 59139 | 60685 | 62231 |
| 45° | 50982 | 52688 | 53959 |
| 50° | 45440 | 46361 | 46839 |
| 55° | 39989 | 40524 | 40524 |
| 60° | 35173 | 34559 | 35173 |
| 65° | 28901 | 29627 | 30302 |
| 70° | 22632 | 22632 | 23530 |
| 75° | 14996 | 13810 | 13810 |
| 80° | 8587 | 6819 | 5177 |
| 85° | 3522 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 53959 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 54.7 | 6.6 |
| 10°-20° | 138.5 | 16.7 |
| 20°-30° | 170.9 | 20.6 |
| 30°-40° | 162.8 | 19.6 |
| 40°-50° | 131.7 | 15.9 |
| 50°-60° | 94.9 | 11.4 |
| 60°-70° | 56.8 | 6.8 |
| 70°-80° | 19.0 | 2.3 |
| 80°-90° | 1.6 | 0.2 |
| 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° | 364.1 | 43.8 |
| 0°-40° | 526.9 | 63.4 |
| 0°-60° | 753.5 | 90.7 |
| 0°-90° | 831.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 831.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 597 | 597 | 597 | 597 | 597 | |
| 5° | 584 | 584 | 584 | 585 | 584 | 55 |
| 15° | 493 | 494 | 496 | 498 | 500 | 138 |
| 25° | 366 | 368 | 371 | 377 | 379 | 168 |
| 35° | 253 | 255 | 261 | 266 | 268 | 159 |
| 45° | 164 | 167 | 170 | 173 | 174 | 128 |
| 55° | 105 | 105 | 106 | 106 | 106 | 94 |
| 65° | 56 | 57 | 57 | 58 | 58 | 56 |
| 75° | 18 | 18 | 16 | 16 | 16 | 20 |
| 85° | 1 | 1 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446714
 CATALOG NUMBER: P3ART13R709740DE010 E3LDWW1B

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 596.6 | 596.6 | 596.6 | 596.6 | 596.6 | 596.6 | 596.6 | 596.6 | 596.6 | 596.6 | 596.6 |
| 2° | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 593.9 |
| 2.5° | 595.3 | 593.9 | 593.9 | 593.9 | 593.9 | 593.9 | 593.9 | 593.9 | 593.9 | 595.3 | 593.9 |
| 5° | 584.4 | 584.4 | 584.4 | 584.4 | 584.4 | 584.4 | 584.4 | 584.4 | 585.7 | 584.4 | 584.4 |
| 7.5° | 568.1 | 568.1 | 568.1 | 568.1 | 569.4 | 569.4 | 569.4 | 569.4 | 570.8 | 570.8 | 569.4 |
| 10° | 547.7 | 547.7 | 547.7 | 547.7 | 549.1 | 549.1 | 550.4 | 549.1 | 549.1 | 550.4 | 550.4 |
| 12.5° | 523.2 | 521.9 | 521.9 | 521.9 | 523.2 | 524.6 | 524.6 | 524.6 | 525.9 | 525.9 | 525.9 |
| 15° | 493.3 | 493.3 | 493.3 | 494.7 | 494.7 | 496.1 | 497.4 | 497.4 | 498.8 | 498.8 | 500.1 |
| 17.5° | 463.4 | 463.4 | 462.1 | 463.4 | 464.8 | 466.2 | 467.5 | 468.9 | 470.2 | 470.2 | 470.2 |
| 20° | 430.8 | 429.5 | 430.8 | 432.2 | 433.5 | 434.9 | 436.3 | 439.0 | 440.3 | 440.3 | 440.3 |
| 22.5° | 398.2 | 396.8 | 398.2 | 399.6 | 400.9 | 402.3 | 406.4 | 407.7 | 409.1 | 409.1 | 411.8 |
| 25° | 365.6 | 365.6 | 366.9 | 368.3 | 369.7 | 371.0 | 373.7 | 376.5 | 377.8 | 379.2 | 379.2 |
| 27.5° | 335.7 | 335.7 | 335.7 | 335.7 | 338.4 | 341.1 | 343.8 | 346.6 | 347.9 | 349.3 | 349.3 |
| 30° | 307.1 | 305.8 | 305.8 | 307.1 | 309.9 | 312.6 | 315.3 | 318.0 | 319.4 | 320.7 | 322.1 |
| 32.5° | 278.6 | 278.6 | 278.6 | 280.0 | 281.3 | 285.4 | 288.1 | 289.5 | 292.2 | 293.6 | 293.6 |
| 35° | 252.8 | 252.8 | 252.8 | 255.5 | 258.2 | 260.9 | 262.3 | 265.0 | 267.7 | 267.7 | 267.7 |
| 37.5° | 231.0 | 232.4 | 235.1 | 233.8 | 233.8 | 235.1 | 236.5 | 239.2 | 241.9 | 241.9 | 241.9 |
| 40° | 206.6 | 207.9 | 209.3 | 207.9 | 209.3 | 212.0 | 213.4 | 214.7 | 216.1 | 217.4 | 217.4 |
| 42.5° | 183.5 | 183.5 | 183.5 | 184.8 | 187.5 | 188.9 | 191.6 | 193.0 | 194.3 | 194.3 | 194.3 |
| 45° | 164.4 | 164.4 | 165.8 | 167.2 | 168.5 | 169.9 | 171.2 | 172.6 | 174.0 | 174.0 | 174.0 |
| 47.5° | 148.1 | 148.1 | 149.5 | 149.5 | 150.9 | 152.2 | 153.6 | 153.6 | 154.9 | 156.3 | 154.9 |
| 50° | 133.2 | 133.2 | 133.2 | 134.5 | 134.5 | 135.9 | 135.9 | 137.3 | 137.3 | 137.3 | 137.3 |
| 52.5° | 118.2 | 118.2 | 118.2 | 118.2 | 119.6 | 119.6 | 119.6 | 121.0 | 121.0 | 121.0 | 121.0 |
| 55° | 104.6 | 104.6 | 104.6 | 104.6 | 104.6 | 106.0 | 106.0 | 106.0 | 106.0 | 106.0 | 106.0 |
| 57.5° | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 60° | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 78.8 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 62.5° | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 69.3 | 69.3 | 69.3 | 69.3 |
| 65° | 55.7 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 58.4 | 58.4 | 58.4 | 58.4 |
| 67.5° | 44.8 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 47.6 | 47.6 | 47.6 |
| 70° | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 36.7 |
| 72.5° | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 25.8 | 25.8 | 25.8 |
| 75° | 17.7 | 17.7 | 17.7 | 17.7 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 |
| 77.5° | 12.2 | 12.2 | 12.2 | 10.9 | 10.9 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 8.2 |
| 80° | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 5.4 | 5.4 | 4.1 | 4.1 | 4.1 | 4.1 |
| 82.5° | 4.1 | 4.1 | 4.1 | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 |
| 85° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 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 |

(END OF REPORT)