

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: P1446200

Luminaire Tested: P3ART13R709050DE010 E3LDWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446200
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: P3ART13R709050DE010 E3LDWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LDWW1WMH TRIM
Light Source: -
Ballast/Driver: -

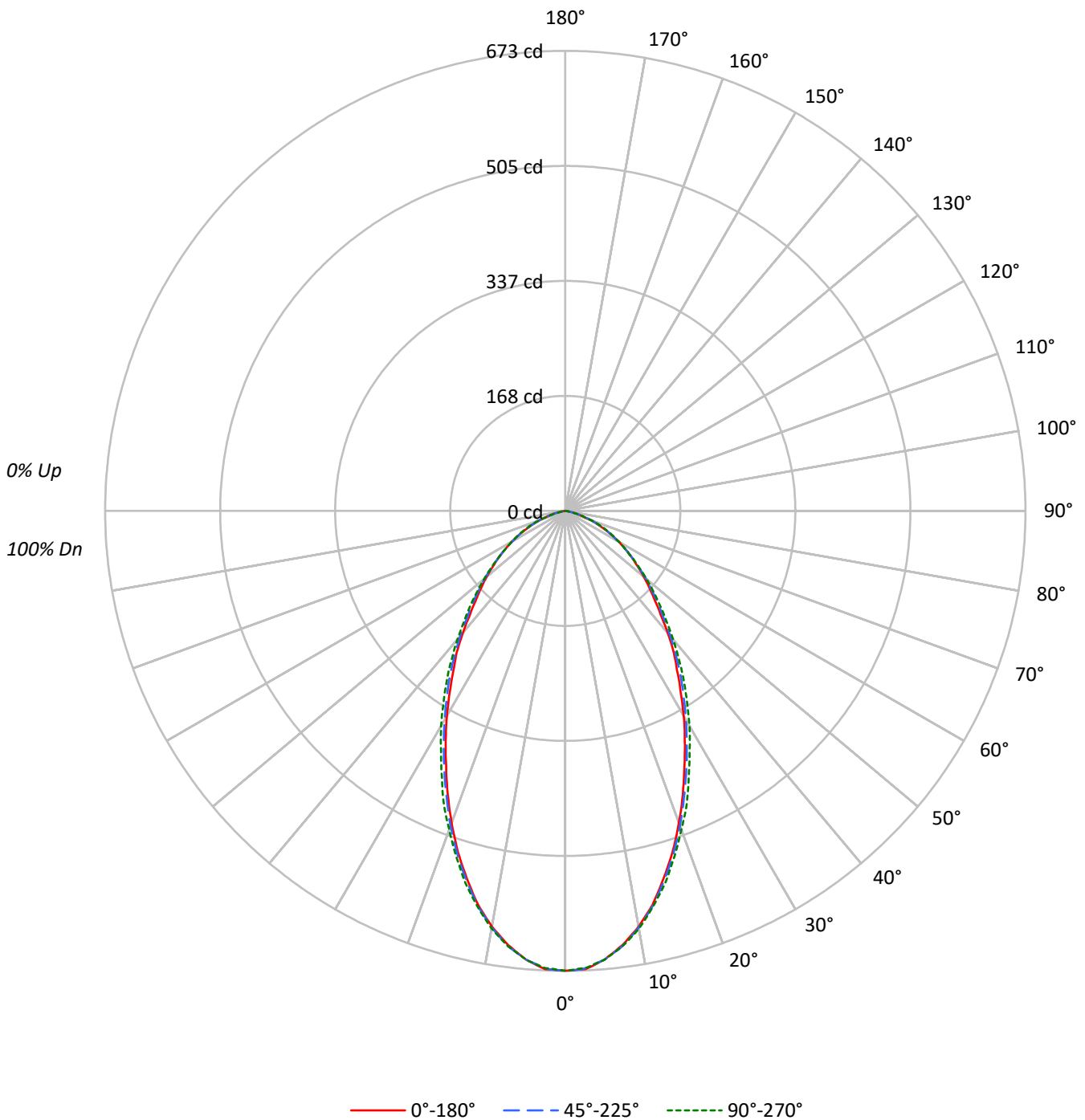
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 937.0 lumens
Efficiency: N/A
Efficacy: 64.2 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: P1446200

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 147510 | 147510 | 147510 |
| 5° | 145036 | 145036 | 145036 |
| 10° | 137517 | 137851 | 138185 |
| 15° | 126289 | 126970 | 128014 |
| 20° | 113363 | 114437 | 115860 |
| 25° | 99732 | 101207 | 103433 |
| 30° | 87684 | 89254 | 91964 |
| 35° | 76292 | 78755 | 80816 |
| 40° | 66668 | 68443 | 70189 |
| 45° | 57494 | 59386 | 60813 |
| 50° | 51239 | 52263 | 52808 |
| 55° | 45112 | 45685 | 45685 |
| 60° | 39646 | 38988 | 39646 |
| 65° | 32585 | 33415 | 34193 |
| 70° | 25517 | 25517 | 26543 |
| 75° | 16860 | 15589 | 15589 |
| 80° | 9723 | 7703 | 5809 |
| 85° | 3774 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 60813 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 61.6 | 6.6 |
| 10°-20° | 156.2 | 16.7 |
| 20°-30° | 192.7 | 20.6 |
| 30°-40° | 183.6 | 19.6 |
| 40°-50° | 148.5 | 15.9 |
| 50°-60° | 107.0 | 11.4 |
| 60°-70° | 64.1 | 6.8 |
| 70°-80° | 21.5 | 2.3 |
| 80°-90° | 1.8 | 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° | 410.5 | 43.8 |
| 0°-40° | 594.1 | 63.4 |
| 0°-60° | 849.7 | 90.7 |
| 0°-90° | 937.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 937.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 673 | 673 | 673 | 673 | 673 | |
| 5° | 659 | 659 | 659 | 659 | 659 | 62 |
| 15° | 556 | 557 | 559 | 561 | 564 | 155 |
| 25° | 412 | 415 | 418 | 425 | 428 | 190 |
| 35° | 285 | 287 | 294 | 300 | 302 | 179 |
| 45° | 185 | 188 | 192 | 195 | 196 | 145 |
| 55° | 118 | 118 | 120 | 120 | 120 | 106 |
| 65° | 63 | 64 | 64 | 66 | 66 | 63 |
| 75° | 20 | 20 | 18 | 18 | 18 | 22 |
| 85° | 2 | 2 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446200
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 672.7 | 672.7 | 672.7 | 672.7 | 672.7 | 672.7 | 672.7 | 672.7 | 672.7 | 672.7 | 672.7 |
| 2° | 671.2 | 671.2 | 671.2 | 671.2 | 671.2 | 671.2 | 671.2 | 671.2 | 671.2 | 671.2 | 669.7 |
| 2.5° | 671.2 | 669.7 | 669.7 | 669.7 | 669.7 | 669.7 | 669.7 | 669.7 | 669.7 | 671.2 | 669.7 |
| 5° | 658.9 | 658.9 | 658.9 | 658.9 | 658.9 | 658.9 | 658.9 | 658.9 | 660.5 | 658.9 | 658.9 |
| 7.5° | 640.5 | 640.5 | 640.5 | 640.5 | 642.1 | 642.1 | 642.1 | 642.1 | 643.6 | 643.6 | 642.1 |
| 10° | 617.6 | 617.6 | 617.6 | 617.6 | 619.1 | 619.1 | 620.6 | 619.1 | 619.1 | 620.6 | 620.6 |
| 12.5° | 590.0 | 588.4 | 588.4 | 588.4 | 590.0 | 591.5 | 591.5 | 591.5 | 593.0 | 593.0 | 593.0 |
| 15° | 556.3 | 556.3 | 556.3 | 557.8 | 557.8 | 559.3 | 560.9 | 560.9 | 562.4 | 562.4 | 563.9 |
| 17.5° | 522.5 | 522.5 | 521.0 | 522.5 | 524.1 | 525.6 | 527.1 | 528.7 | 530.2 | 530.2 | 530.2 |
| 20° | 485.8 | 484.2 | 485.8 | 487.3 | 488.8 | 490.4 | 491.9 | 495.0 | 496.5 | 496.5 | 496.5 |
| 22.5° | 449.0 | 447.5 | 449.0 | 450.5 | 452.1 | 453.6 | 458.2 | 459.7 | 461.3 | 461.3 | 464.3 |
| 25° | 412.2 | 412.2 | 413.7 | 415.3 | 416.8 | 418.3 | 421.4 | 424.5 | 426.0 | 427.5 | 427.5 |
| 27.5° | 378.5 | 378.5 | 378.5 | 378.5 | 381.6 | 384.6 | 387.7 | 390.8 | 392.3 | 393.8 | 393.8 |
| 30° | 346.3 | 344.8 | 344.8 | 346.3 | 349.4 | 352.5 | 355.5 | 358.6 | 360.1 | 361.6 | 363.2 |
| 32.5° | 314.1 | 314.1 | 314.1 | 315.7 | 317.2 | 321.8 | 324.9 | 326.4 | 329.5 | 331.0 | 331.0 |
| 35° | 285.0 | 285.0 | 285.0 | 288.1 | 291.2 | 294.2 | 295.8 | 298.8 | 301.9 | 301.9 | 301.9 |
| 37.5° | 260.5 | 262.0 | 265.1 | 263.6 | 263.6 | 265.1 | 266.6 | 269.7 | 272.8 | 272.8 | 272.8 |
| 40° | 232.9 | 234.5 | 236.0 | 234.5 | 236.0 | 239.1 | 240.6 | 242.1 | 243.7 | 245.2 | 245.2 |
| 42.5° | 206.9 | 206.9 | 206.9 | 208.4 | 211.5 | 213.0 | 216.1 | 217.6 | 219.1 | 219.1 | 219.1 |
| 45° | 185.4 | 185.4 | 187.0 | 188.5 | 190.0 | 191.5 | 193.1 | 194.6 | 196.1 | 196.1 | 196.1 |
| 47.5° | 167.0 | 167.0 | 168.6 | 168.6 | 170.1 | 171.6 | 173.2 | 173.2 | 174.7 | 176.2 | 174.7 |
| 50° | 150.2 | 150.2 | 150.2 | 151.7 | 151.7 | 153.2 | 153.2 | 154.8 | 154.8 | 154.8 | 154.8 |
| 52.5° | 133.3 | 133.3 | 133.3 | 133.3 | 134.9 | 134.9 | 134.9 | 136.4 | 136.4 | 136.4 | 136.4 |
| 55° | 118.0 | 118.0 | 118.0 | 118.0 | 118.0 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 |
| 57.5° | 104.2 | 104.2 | 104.2 | 104.2 | 104.2 | 104.2 | 104.2 | 104.2 | 104.2 | 104.2 | 104.2 |
| 60° | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 88.9 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 62.5° | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 78.2 | 78.2 | 78.2 | 78.2 |
| 65° | 62.8 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 65.9 | 65.9 | 65.9 | 65.9 |
| 67.5° | 50.6 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 53.6 | 53.6 | 53.6 |
| 70° | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 41.4 |
| 72.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 29.1 | 29.1 | 29.1 |
| 75° | 19.9 | 19.9 | 19.9 | 19.9 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 |
| 77.5° | 13.8 | 13.8 | 13.8 | 12.3 | 12.3 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 9.2 |
| 80° | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 6.1 | 6.1 | 4.6 | 4.6 | 4.6 | 4.6 |
| 82.5° | 4.6 | 4.6 | 4.6 | 3.1 | 3.1 | 3.1 | 3.1 | 1.5 | 1.5 | 1.5 | 1.5 |
| 85° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 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)