

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: P#

Luminaire Tested: P3ART17R709840DE010 E3LDWW1B

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART17R709840DE010 E3LDWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3LDWW1B TRIM
Light Source: -
Ballast/Driver: -

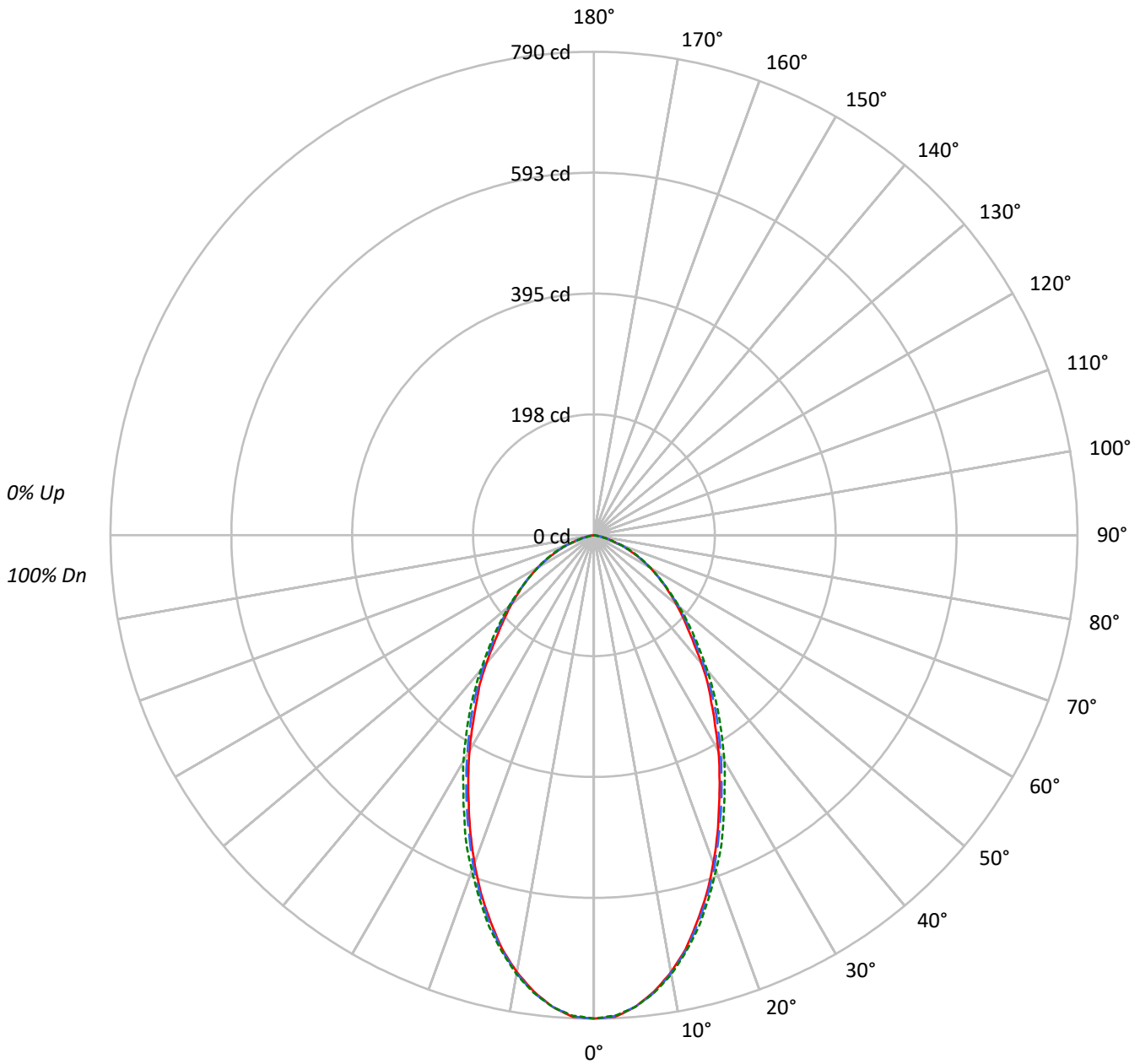
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1100.0 lumens
Efficiency: N/A
Efficacy: 53.9 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): 20.4
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

TEST NUMBER: P#
CATALOG NUMBER: P3ART17R709840DE010 E3LDWW1B

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 173166 | 173166 | 173166 |
| 5° | 170284 | 170284 | 170284 |
| 10° | 161431 | 161832 | 162233 |
| 15° | 148241 | 149059 | 150285 |
| 20° | 133082 | 134342 | 136022 |
| 25° | 117079 | 118821 | 121434 |
| 30° | 102953 | 104776 | 107966 |
| 35° | 89570 | 92461 | 94870 |
| 40° | 78261 | 80322 | 82383 |
| 45° | 67511 | 69744 | 71418 |
| 50° | 60143 | 61371 | 61985 |
| 55° | 52949 | 53637 | 53637 |
| 60° | 46531 | 45742 | 46531 |
| 65° | 38292 | 39226 | 40160 |
| 70° | 30005 | 30005 | 31159 |
| 75° | 19825 | 18300 | 18300 |
| 80° | 11365 | 9092 | 6819 |
| 85° | 4529 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 71418 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.4 | 6.6 |
| 10°-20° | 183.4 | 16.7 |
| 20°-30° | 226.2 | 20.6 |
| 30°-40° | 215.5 | 19.6 |
| 40°-50° | 174.4 | 15.9 |
| 50°-60° | 125.6 | 11.4 |
| 60°-70° | 75.2 | 6.8 |
| 70°-80° | 25.2 | 2.3 |
| 80°-90° | 2.1 | 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° | 481.9 | 43.8 |
| 0°-40° | 697.5 | 63.4 |
| 0°-60° | 997.4 | 90.7 |
| 0°-90° | 1100.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1100.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 790 | 790 | 790 | 790 | 790 | |
| 5° | 774 | 774 | 774 | 774 | 774 | 72 |
| 15° | 653 | 654 | 657 | 659 | 662 | 182 |
| 25° | 484 | 487 | 491 | 499 | 502 | 223 |
| 35° | 335 | 337 | 345 | 352 | 354 | 210 |
| 45° | 218 | 221 | 225 | 229 | 230 | 170 |
| 55° | 138 | 138 | 140 | 140 | 140 | 125 |
| 65° | 74 | 76 | 76 | 77 | 77 | 74 |
| 75° | 23 | 23 | 22 | 22 | 22 | 26 |
| 85° | 2 | 2 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R709840DE010 E3LDWW1B

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 789.7 | 789.7 | 789.7 | 789.7 | 789.7 | 789.7 | 789.7 | 789.7 | 789.7 | 789.7 | 789.7 |
| 2° | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 787.9 | 786.2 |
| 2.5° | 787.9 | 786.2 | 786.2 | 786.2 | 786.2 | 786.2 | 786.2 | 786.2 | 786.2 | 787.9 | 786.2 |
| 5° | 773.6 | 773.6 | 773.6 | 773.6 | 773.6 | 773.6 | 773.6 | 773.6 | 775.4 | 773.6 | 773.6 |
| 7.5° | 752.0 | 752.0 | 752.0 | 752.0 | 753.8 | 753.8 | 753.8 | 753.8 | 755.6 | 755.6 | 753.8 |
| 10° | 725.0 | 725.0 | 725.0 | 725.0 | 726.8 | 726.8 | 728.6 | 726.8 | 726.8 | 728.6 | 728.6 |
| 12.5° | 692.6 | 690.8 | 690.8 | 690.8 | 692.6 | 694.4 | 694.4 | 694.4 | 696.2 | 696.2 | 696.2 |
| 15° | 653.0 | 653.0 | 653.0 | 654.8 | 654.8 | 656.6 | 658.4 | 658.4 | 660.2 | 660.2 | 662.0 |
| 17.5° | 613.4 | 613.4 | 611.7 | 613.4 | 615.2 | 617.0 | 618.8 | 620.6 | 622.4 | 622.4 | 622.4 |
| 20° | 570.3 | 568.5 | 570.3 | 572.1 | 573.9 | 575.7 | 577.5 | 581.1 | 582.9 | 582.9 | 582.9 |
| 22.5° | 527.1 | 525.3 | 527.1 | 528.9 | 530.7 | 532.5 | 537.9 | 539.7 | 541.5 | 541.5 | 545.1 |
| 25° | 483.9 | 483.9 | 485.7 | 487.5 | 489.3 | 491.1 | 494.7 | 498.3 | 500.1 | 501.9 | 501.9 |
| 27.5° | 444.3 | 444.3 | 444.3 | 444.3 | 447.9 | 451.5 | 455.1 | 458.7 | 460.5 | 462.3 | 462.3 |
| 30° | 406.6 | 404.8 | 404.8 | 406.6 | 410.2 | 413.8 | 417.4 | 421.0 | 422.8 | 424.6 | 426.4 |
| 32.5° | 368.8 | 368.8 | 368.8 | 370.6 | 372.4 | 377.8 | 381.4 | 383.2 | 386.8 | 388.6 | 388.6 |
| 35° | 334.6 | 334.6 | 334.6 | 338.2 | 341.8 | 345.4 | 347.2 | 350.8 | 354.4 | 354.4 | 354.4 |
| 37.5° | 305.8 | 307.6 | 311.2 | 309.4 | 309.4 | 311.2 | 313.0 | 316.6 | 320.2 | 320.2 | 320.2 |
| 40° | 273.4 | 275.2 | 277.0 | 275.2 | 277.0 | 280.6 | 282.4 | 284.2 | 286.0 | 287.8 | 287.8 |
| 42.5° | 242.9 | 242.9 | 242.9 | 244.7 | 248.3 | 250.1 | 253.7 | 255.5 | 257.3 | 257.3 | 257.3 |
| 45° | 217.7 | 217.7 | 219.5 | 221.3 | 223.1 | 224.9 | 226.7 | 228.5 | 230.3 | 230.3 | 230.3 |
| 47.5° | 196.1 | 196.1 | 197.9 | 197.9 | 199.7 | 201.5 | 203.3 | 203.3 | 205.1 | 206.9 | 205.1 |
| 50° | 176.3 | 176.3 | 176.3 | 178.1 | 178.1 | 179.9 | 179.9 | 181.7 | 181.7 | 181.7 | 181.7 |
| 52.5° | 156.5 | 156.5 | 156.5 | 156.5 | 158.3 | 158.3 | 158.3 | 160.1 | 160.1 | 160.1 | 160.1 |
| 55° | 138.5 | 138.5 | 138.5 | 138.5 | 138.5 | 140.3 | 140.3 | 140.3 | 140.3 | 140.3 | 140.3 |
| 57.5° | 122.3 | 122.3 | 122.3 | 122.3 | 122.3 | 122.3 | 122.3 | 122.3 | 122.3 | 122.3 | 122.3 |
| 60° | 106.1 | 106.1 | 106.1 | 106.1 | 106.1 | 104.3 | 106.1 | 106.1 | 106.1 | 106.1 | 106.1 |
| 62.5° | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 91.7 | 91.7 | 91.7 | 91.7 |
| 65° | 73.8 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 77.4 | 77.4 | 77.4 | 77.4 |
| 67.5° | 59.4 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 63.0 | 63.0 | 63.0 |
| 70° | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 48.6 |
| 72.5° | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 34.2 | 34.2 | 34.2 |
| 75° | 23.4 | 23.4 | 23.4 | 23.4 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 |
| 77.5° | 16.2 | 16.2 | 16.2 | 14.4 | 14.4 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 10.8 |
| 80° | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 7.2 | 7.2 | 5.4 | 5.4 | 5.4 | 5.4 |
| 82.5° | 5.4 | 5.4 | 5.4 | 3.6 | 3.6 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 |
| 85° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 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)