

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: P1246693

Luminaire Tested: P3A09R659024DE010 E3DLP1LI

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1246693  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R659024DE010 E3DLP1LI  
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , E3DLP1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

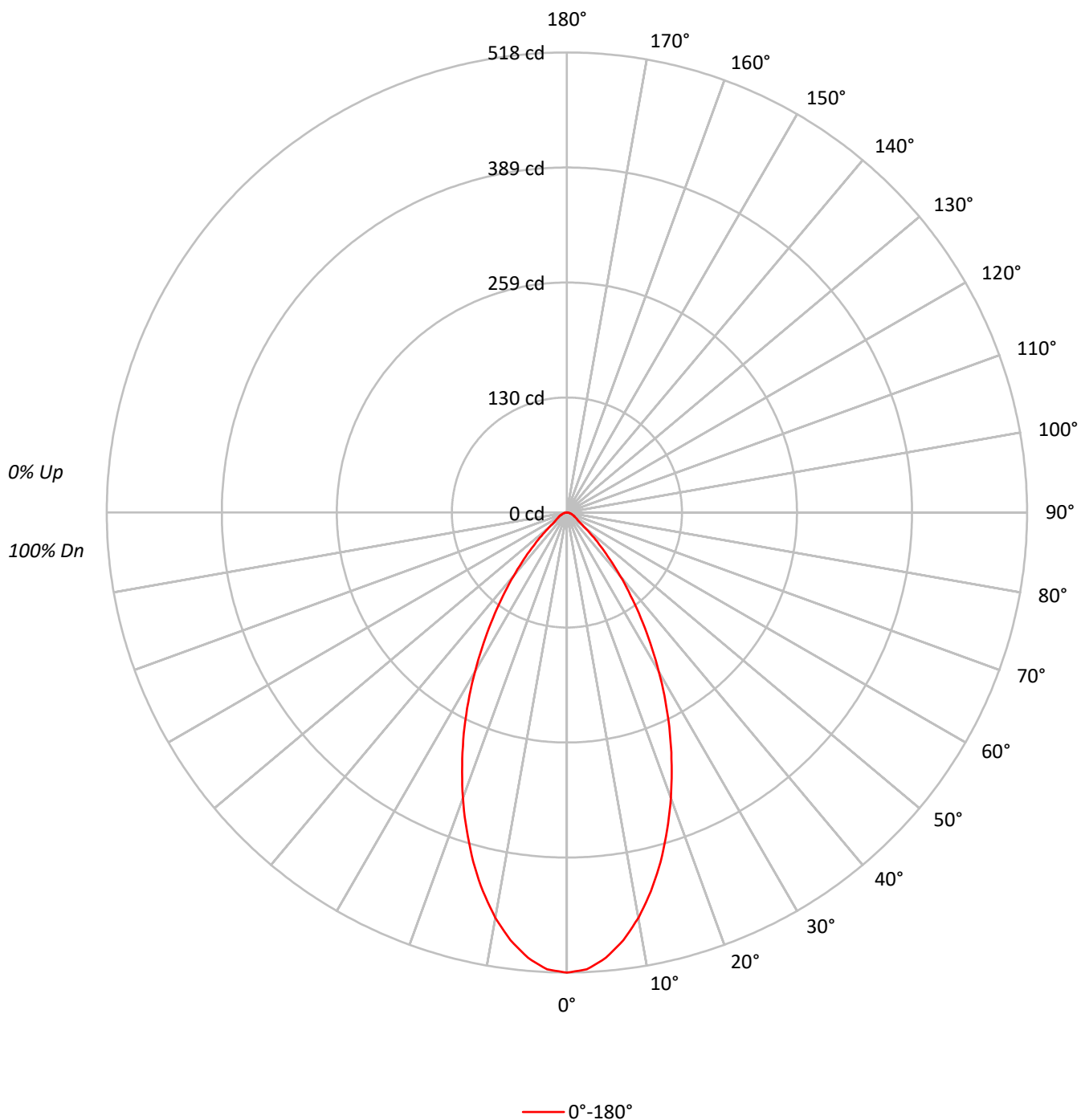
Lumens per Lamp: N/A  
Luminaire Lumens: 447.0 lumens  
Efficiency: N/A  
Efficacy: 40.3 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 |  | 100 | 98  | 97  |  | 96  |
| 2   | 107 | 101 | 97  | 93  | 104 | 100 | 96  | 92  | 96  | 93  | 90  |  | 93  | 91  | 88  |  | 90  |
| 3   | 101 | 94  | 88  | 84  | 99  | 92  | 87  | 83  | 90  | 85  | 82  |  | 87  | 84  | 81  |  | 85  |
| 4   | 95  | 87  | 81  | 76  | 93  | 86  | 80  | 76  | 84  | 79  | 75  |  | 82  | 78  | 74  |  | 80  |
| 5   | 90  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 69  |  | 77  | 72  | 69  |  | 75  |
| 6   | 85  | 76  | 69  | 65  | 84  | 75  | 69  | 65  | 73  | 68  | 64  |  | 72  | 67  | 64  |  | 71  |
| 7   | 81  | 71  | 65  | 60  | 79  | 70  | 64  | 60  | 69  | 64  | 60  |  | 68  | 63  | 59  |  | 67  |
| 8   | 77  | 67  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 59  | 56  |  | 64  | 59  | 55  |  | 63  |
| 9   | 73  | 63  | 57  | 52  | 72  | 62  | 56  | 52  | 61  | 56  | 52  |  | 60  | 55  | 52  |  | 59  |
| 10  | 69  | 59  | 53  | 49  | 68  | 59  | 53  | 49  | 58  | 53  | 49  |  | 57  | 52  | 49  |  | 56  |

**AVERAGE LUMINANCE (cd/sqm):**

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 113609 |
| 5°  | 110786 |
| 10° | 103182 |
| 15° | 92464  |
| 20° | 79854  |
| 25° | 66415  |
| 30° | 52388  |
| 35° | 38815  |
| 40° | 26736  |
| 45° | 16591  |
| 50° | 9006   |
| 55° | 5658   |
| 60° | 4824   |
| 65° | 4358   |
| 70° | 3719   |
| 75° | 3304   |
| 80° | 3283   |
| 85° | 3271   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16591 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.8   | 10.5      |
| 10°-20°   | 113.2  | 25.3      |
| 20°-30°   | 125.2  | 28.0      |
| 30°-40°   | 90.9   | 20.3      |
| 40°-50°   | 42.6   | 9.5       |
| 50°-60°   | 14.3   | 3.2       |
| 60°-70°   | 8.3    | 1.9       |
| 70°-80°   | 4.4    | 1.0       |
| 80°-90°   | 1.4    | 0.3       |
| 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°    | 285.1  | 63.8      |
| 0°-40°    | 376.0  | 84.1      |
| 0°-60°    | 433.0  | 96.9      |
| 0°-90°    | 447.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 447.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 518 |      |
| 5°  | 503 | 47   |
| 15° | 407 | 113  |
| 25° | 274 | 125  |
| 35° | 145 | 91   |
| 45° | 54  | 43   |
| 55° | 15  | 14   |
| 65° | 8   | 8    |
| 75° | 4   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 518.1 |
| 2.5°  | 514.9 |
| 5°    | 503.3 |
| 7.5°  | 485.9 |
| 10°   | 463.4 |
| 12.5° | 436.9 |
| 15°   | 407.3 |
| 17.5° | 375.1 |
| 20°   | 342.2 |
| 22.5° | 308.1 |
| 25°   | 274.5 |
| 27.5° | 240.4 |
| 30°   | 206.9 |
| 32.5° | 174.6 |
| 35°   | 145.0 |
| 37.5° | 117.9 |
| 40°   | 93.4  |
| 42.5° | 71.5  |
| 45°   | 53.5  |
| 47.5° | 38.7  |
| 50°   | 26.4  |
| 52.5° | 18.0  |
| 55°   | 14.8  |
| 57.5° | 12.9  |
| 60°   | 11.0  |
| 62.5° | 9.7   |
| 65°   | 8.4   |
| 67.5° | 7.1   |
| 70°   | 5.8   |
| 72.5° | 5.2   |
| 75°   | 3.9   |
| 77.5° | 3.2   |
| 80°   | 2.6   |
| 82.5° | 1.9   |
| 85°   | 1.3   |
| 87.5° | 0.6   |
| 90°   | 0.0   |

(END OF REPORT)