

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: P1267180

Luminaire Tested: P3A09R559735DE010 E3DLD1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1267180  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R559735DE010 E3DLD1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

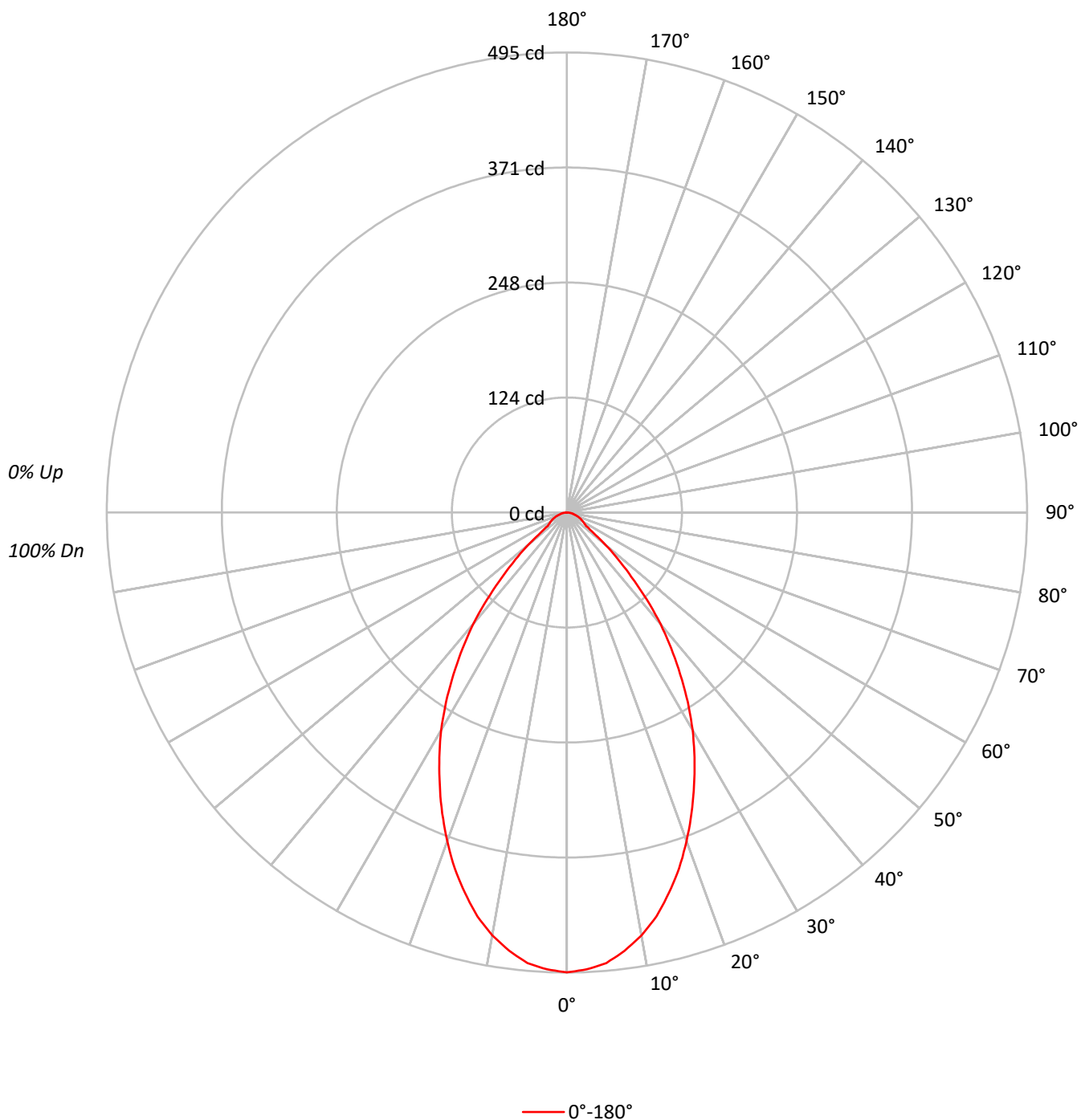
Lumens per Lamp: N/A  
Luminaire Lumens: 577.0 lumens  
Efficiency: N/A  
Efficacy: 52.0 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  |  | 99  | 97  | 95  |  | 95  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  |  | 91  | 88  | 86  |  | 89  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  |  | 85  | 81  | 77  |  | 82  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 76  |
| 5   | 87  | 77  | 71  | 66  | 85  | 76  | 70  | 65  | 75  | 69  | 65  |  | 73  | 68  | 64  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 60  | 69  | 64  | 59  |  | 68  | 63  | 59  |  | 66  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  |  | 63  | 58  | 54  |  | 62  |
| 8   | 73  | 62  | 55  | 51  | 72  | 62  | 55  | 51  | 60  | 55  | 50  |  | 59  | 54  | 50  |  | 58  |
| 9   | 69  | 58  | 51  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  |  | 56  | 50  | 46  |  | 55  |
| 10  | 65  | 55  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  |  | 52  | 47  | 43  |  | 52  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 108500 |
| 5°  | 107110 |
| 10° | 102871 |
| 15° | 96232  |
| 20° | 87788  |
| 25° | 78319  |
| 30° | 68492  |
| 35° | 56911  |
| 40° | 44855  |
| 45° | 30422  |
| 50° | 18592  |
| 55° | 9634   |
| 60° | 8947   |
| 65° | 8509   |
| 70° | 7886   |
| 75° | 6947   |
| 80° | 6945   |
| 85° | 5032   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30422 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.6   | 7.9       |
| 10°-20°   | 118.5  | 20.5      |
| 20°-30°   | 148.4  | 25.7      |
| 30°-40°   | 132.4  | 23.0      |
| 40°-50°   | 77.5   | 13.4      |
| 50°-60°   | 26.8   | 4.6       |
| 60°-70°   | 16.2   | 2.8       |
| 70°-80°   | 9.0    | 1.6       |
| 80°-90°   | 2.6    | 0.5       |
| 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°    | 312.5  | 54.2      |
| 0°-40°    | 444.9  | 77.1      |
| 0°-60°    | 549.2  | 95.2      |
| 0°-90°    | 577.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 577.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 495 |      |
| 5°  | 487 | 46   |
| 15° | 424 | 118  |
| 25° | 324 | 148  |
| 35° | 213 | 132  |
| 45° | 98  | 78   |
| 55° | 25  | 27   |
| 65° | 16  | 16   |
| 75° | 8   | 9    |
| 85° | 2   | 3    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 494.8 |
| 2.5°  | 492.0 |
| 5°    | 486.6 |
| 7.5°  | 475.7 |
| 10°   | 462.0 |
| 12.5° | 445.0 |
| 15°   | 423.9 |
| 17.5° | 401.4 |
| 20°   | 376.2 |
| 22.5° | 350.3 |
| 25°   | 323.7 |
| 27.5° | 297.1 |
| 30°   | 270.5 |
| 32.5° | 241.9 |
| 35°   | 212.6 |
| 37.5° | 184.0 |
| 40°   | 156.7 |
| 42.5° | 127.4 |
| 45°   | 98.1  |
| 47.5° | 75.0  |
| 50°   | 54.5  |
| 52.5° | 35.4  |
| 55°   | 25.2  |
| 57.5° | 22.5  |
| 60°   | 20.4  |
| 62.5° | 18.4  |
| 65°   | 16.4  |
| 67.5° | 14.3  |
| 70°   | 12.3  |
| 72.5° | 10.2  |
| 75°   | 8.2   |
| 77.5° | 6.8   |
| 80°   | 5.5   |
| 82.5° | 3.4   |
| 85°   | 2.0   |
| 87.5° | 1.4   |
| 90°   | 0.0   |

(END OF REPORT)