

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: P1291750

Luminaire Tested: P3A09R15W2N902765DE010 E3DL1LI\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1291750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R15W2N902765DE010 E3DL1LI\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,  
E3DL1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

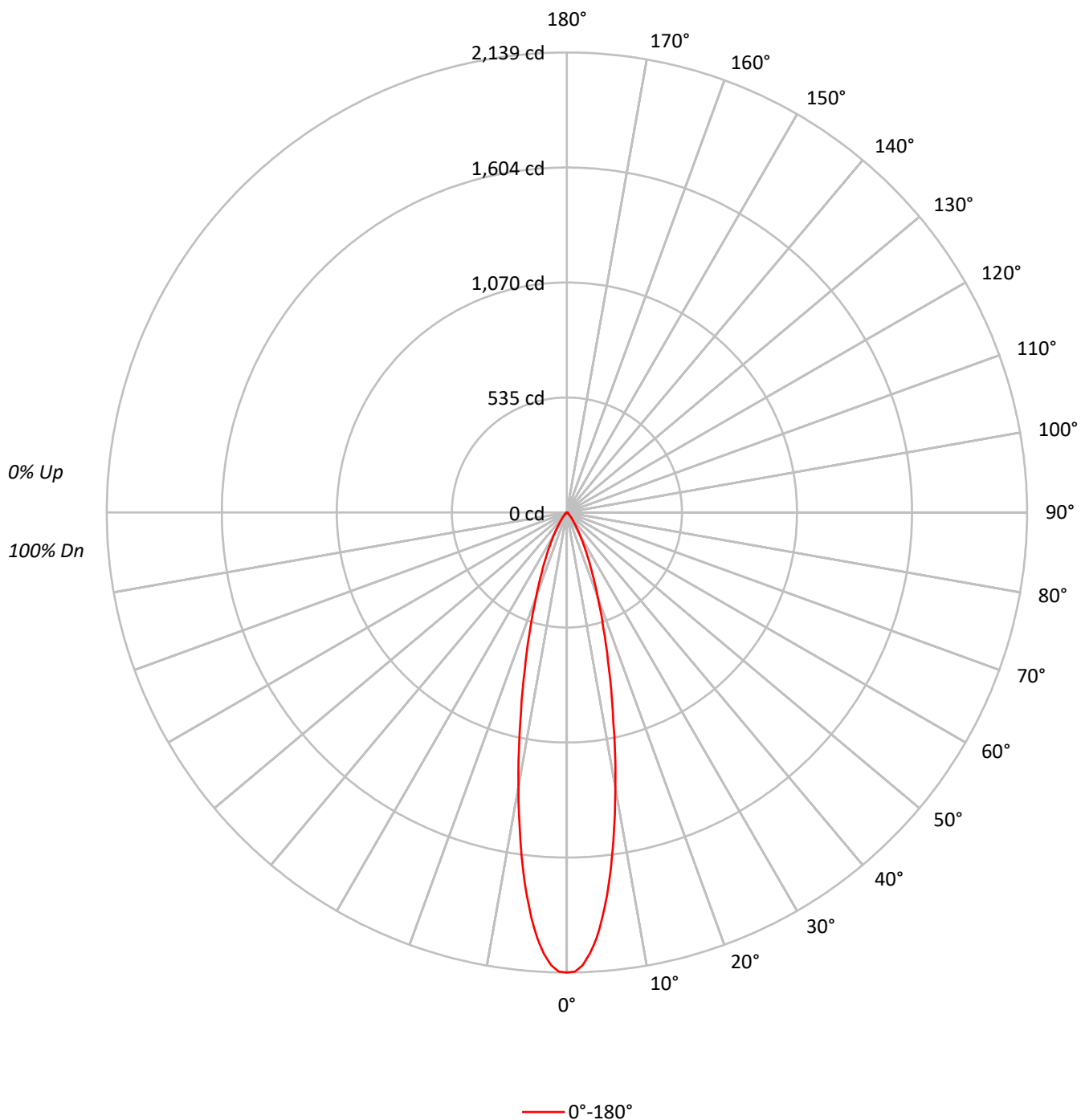
Lumens per Lamp: N/A  
Luminaire Lumens: 549.0 lumens  
Efficiency: N/A  
Efficacy: 61.0 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 9  
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  | 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 |    |    |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 95  |    |    |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 97  | 98  | 96  | 95  | 96  | 94  | 93  | 91  |    |    |
| 3   | 106 | 101 | 97  | 93  | 104 | 99  | 96  | 93  | 97  | 94  | 91  | 94  | 92  | 90  | 92  | 90  | 88  | 87  |    |    |
| 4   | 102 | 96  | 92  | 88  | 100 | 95  | 91  | 88  | 93  | 89  | 87  | 91  | 88  | 86  | 89  | 87  | 85  | 83  |    |    |
| 5   | 98  | 92  | 87  | 84  | 97  | 91  | 87  | 83  | 89  | 85  | 83  | 88  | 84  | 82  | 86  | 83  | 81  | 80  |    |    |
| 6   | 95  | 88  | 83  | 80  | 94  | 87  | 83  | 80  | 86  | 82  | 79  | 85  | 81  | 79  | 83  | 80  | 78  | 77  |    |    |
| 7   | 92  | 85  | 80  | 77  | 91  | 84  | 80  | 76  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 75  | 74  |    |    |
| 8   | 89  | 81  | 77  | 74  | 88  | 81  | 77  | 73  | 80  | 76  | 73  | 79  | 75  | 73  | 78  | 75  | 73  | 72  |    |    |
| 9   | 86  | 79  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 69  |    |    |
| 10  | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  | 74  | 71  | 68  | 74  | 70  | 68  | 67  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 468998 |
| 5°  | 416310 |
| 10° | 289106 |
| 15° | 170966 |
| 20° | 97378  |
| 25° | 55673  |
| 30° | 30790  |
| 35° | 16410  |
| 40° | 9074   |
| 45° | 4931   |
| 50° | 3070   |
| 55° | 2409   |
| 60° | 2105   |
| 65° | 1920   |
| 70° | 1667   |
| 75° | 1779   |
| 80° | 1389   |
| 85° | 1258   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 4931 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 160.8  | 29.3      |
| 10°-20°   | 212.3  | 38.7      |
| 20°-30°   | 109.3  | 19.9      |
| 30°-40°   | 41.0   | 7.5       |
| 40°-50°   | 13.4   | 2.4       |
| 50°-60°   | 5.8    | 1.1       |
| 60°-70°   | 3.7    | 0.7       |
| 70°-80°   | 2.1    | 0.4       |
| 80°-90°   | 0.6    | 0.1       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 482.4  | 87.9      |
| 0°-40°    | 523.4  | 95.3      |
| 0°-60°    | 542.6  | 98.8      |
| 0°-90°    | 549.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 549.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2139 |      |
| 5°  | 1891 | 161  |
| 15° | 753  | 212  |
| 25° | 230  | 109  |
| 35° | 61   | 41   |
| 45° | 16   | 13   |
| 55° | 6    | 6    |
| 65° | 4    | 4    |
| 75° | 2    | 2    |
| 85° | 0    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2138.8 |
| 1°    | 2134.5 |
| 2°    | 2106.5 |
| 3°    | 2053.1 |
| 4°    | 1982.7 |
| 5°    | 1891.3 |
| 6°    | 1787.6 |
| 7°    | 1673.9 |
| 8°    | 1547.5 |
| 9°    | 1422.7 |
| 10°   | 1298.4 |
| 12.5° | 999.0  |
| 15°   | 753.1  |
| 17.5° | 563.8  |
| 20°   | 417.3  |
| 22.5° | 311.5  |
| 25°   | 230.1  |
| 27.5° | 167.7  |
| 30°   | 121.6  |
| 32.5° | 86.2   |
| 35°   | 61.3   |
| 37.5° | 43.9   |
| 40°   | 31.7   |
| 42.5° | 22.7   |
| 45°   | 15.9   |
| 47.5° | 11.6   |
| 50°   | 9.0    |
| 52.5° | 7.4    |
| 55°   | 6.3    |
| 57.5° | 5.3    |
| 60°   | 4.8    |
| 62.5° | 4.2    |
| 65°   | 3.7    |
| 67.5° | 3.2    |
| 70°   | 2.6    |
| 72.5° | 2.6    |
| 75°   | 2.1    |
| 77.5° | 1.6    |
| 80°   | 1.1    |
| 82.5° | 1.1    |
| 85°   | 0.5    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)