

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: P1293943

Luminaire Tested: P3A09R50W2N902765DE010 E3D1LI\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1293943  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R50W2N902765DE010 E3D1LI\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

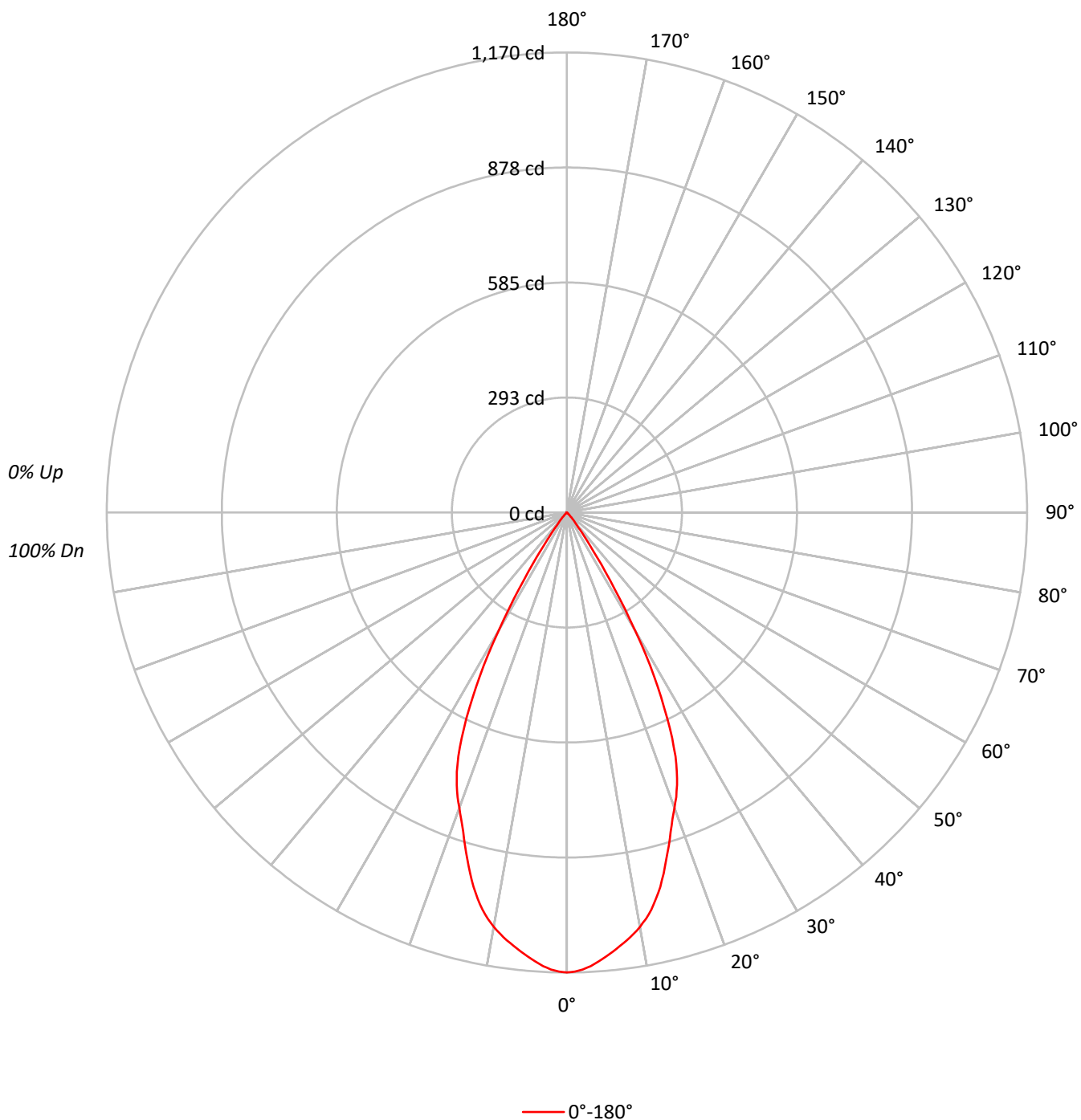
Lumens per Lamp: N/A  
Luminaire Lumens: 734.0 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |  |     |  |  | 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   | 114 | 112 | 109 | 107 |  | 112 | 110 | 108 | 106 |  | 105 | 104 | 102 |  | 102 | 101 | 99  |  | 98  | 97  | 97  |  | 95  |  |  |   |
| 2   | 109 | 105 | 101 | 98  |  | 107 | 103 | 100 | 97  |  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  | 93  | 91  |  | 90  |  |  |   |
| 3   | 105 | 99  | 95  | 91  |  | 103 | 98  | 94  | 90  |  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  | 88  | 86  |  | 85  |  |  |   |
| 4   | 100 | 94  | 89  | 85  |  | 99  | 92  | 88  | 85  |  | 90  | 87  | 84  |  | 88  | 85  | 83  |  | 87  | 84  | 82  |  | 80  |  |  |   |
| 5   | 96  | 89  | 84  | 80  |  | 94  | 88  | 83  | 79  |  | 86  | 82  | 79  |  | 84  | 81  | 78  |  | 83  | 80  | 77  |  | 76  |  |  |   |
| 6   | 92  | 84  | 79  | 75  |  | 91  | 83  | 78  | 75  |  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  | 76  | 73  |  | 72  |  |  |   |
| 7   | 88  | 80  | 75  | 71  |  | 87  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 77  | 73  | 70  |  | 76  | 72  | 70  |  | 68  |  |  |   |
| 8   | 84  | 76  | 71  | 67  |  | 83  | 76  | 71  | 67  |  | 74  | 70  | 67  |  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 65  |  |  |   |
| 9   | 81  | 73  | 67  | 64  |  | 80  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  | 66  | 63  |  | 70  | 66  | 63  |  | 62  |  |  |   |
| 10  | 78  | 69  | 64  | 61  |  | 77  | 69  | 64  | 61  |  | 68  | 64  | 60  |  | 67  | 63  | 60  |  | 67  | 63  | 60  |  | 59  |  |  |   |

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

|     | 0°     |
|-----|--------|
| 0°  | 256515 |
| 5°  | 249680 |
| 10° | 238250 |
| 15° | 215688 |
| 20° | 186613 |
| 25° | 153081 |
| 30° | 87938  |
| 35° | 27305  |
| 40° | 7328   |
| 45° | 2574   |
| 50° | 614    |
| 55° | 191    |
| 60° | 132    |
| 65° | 156    |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 2574 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 106.2  | 14.5      |
| 10°-20°   | 263.3  | 35.9      |
| 20°-30°   | 276.7  | 37.7      |
| 30°-40°   | 79.2   | 10.8      |
| 40°-50°   | 7.7    | 1.1       |
| 50°-60°   | 0.6    | 0.1       |
| 60°-70°   | 0.3    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 646.2  | 88.0      |
| 0°-40°    | 725.4  | 98.8      |
| 0°-60°    | 733.8  | 100.0     |
| 0°-90°    | 734.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 734.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1170 |      |
| 5°  | 1134 | 106  |
| 15° | 950  | 263  |
| 25° | 633  | 277  |
| 35° | 102  | 79   |
| 45° | 8    | 8    |
| 55° | 0    | 1    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1169.8 |
| 1°    | 1167.9 |
| 2°    | 1162.8 |
| 3°    | 1155.2 |
| 4°    | 1145.1 |
| 5°    | 1134.3 |
| 6°    | 1122.6 |
| 7°    | 1110.2 |
| 8°    | 1098.5 |
| 9°    | 1085.1 |
| 10°   | 1070.0 |
| 11°   | 1052.7 |
| 12°   | 1032.8 |
| 13°   | 1007.9 |
| 14°   | 981.0  |
| 15°   | 950.1  |
| 16°   | 917.5  |
| 17°   | 885.9  |
| 18°   | 853.6  |
| 19°   | 825.1  |
| 20°   | 799.7  |
| 21°   | 775.3  |
| 22°   | 747.6  |
| 23°   | 715.8  |
| 24°   | 678.5  |
| 25°   | 632.7  |
| 26°   | 582.9  |
| 27°   | 527.5  |
| 28°   | 472.4  |
| 29°   | 412.8  |
| 30°   | 347.3  |
| 31°   | 285.9  |
| 32°   | 229.4  |
| 32.5° | 204.8  |
| 33°   | 180.0  |
| 34°   | 138.0  |
| 35°   | 102.0  |
| 36°   | 74.8   |
| 37°   | 55.7   |
| 37.5° | 48.2   |
| 38°   | 41.7   |
| 39°   | 32.4   |
| 40°   | 25.6   |
| 42.5° | 14.5   |
| 45°   | 8.3    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 4.7 |
| 50°   | 1.8 |
| 52.5° | 0.8 |
| 55°   | 0.5 |
| 57.5° | 0.5 |
| 60°   | 0.3 |
| 62.5° | 0.3 |
| 65°   | 0.3 |
| 67.5° | 0.3 |
| 70°   | 0.0 |
| 72.5° | 0.0 |
| 75°   | 0.0 |
| 77.5° | 0.0 |
| 80°   | 0.0 |
| 82.5° | 0.0 |
| 85°   | 0.0 |
| 87.5° | 0.0 |
| 90°   | 0.0 |

(END OF REPORT)