

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: P1294173

Luminaire Tested: P3A09R55W2N902750DE010 E3DLD1LI\_4000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1294173  
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: P3A09R55W2N902750DE010 E3DLD1LI\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI ,  
E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

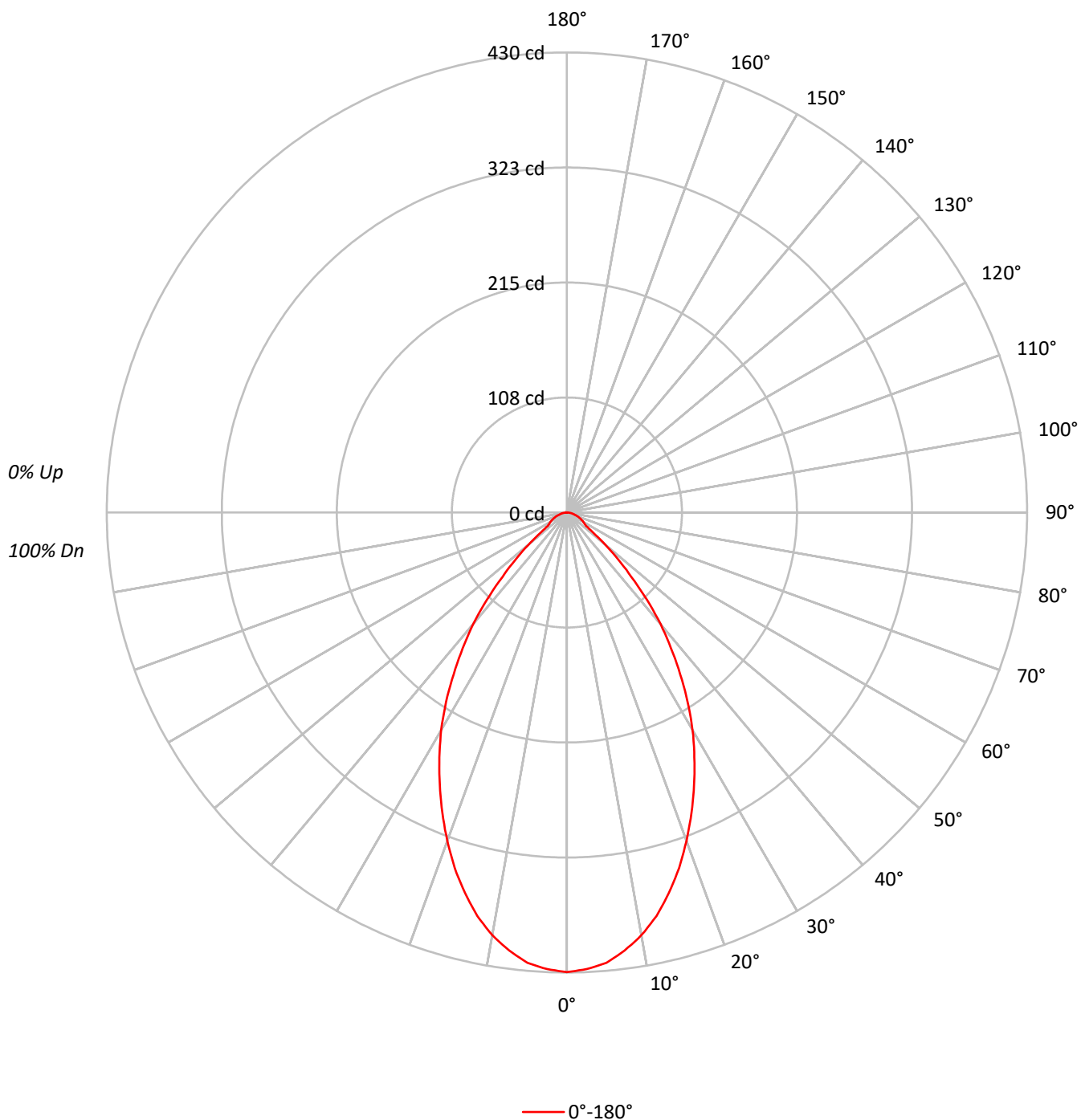
Lumens per Lamp: N/A  
Luminaire Lumens: 501.0 lumens  
Efficiency: N/A  
Efficacy: 55.7 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 93  | 91  |    |    |    |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  | 91  | 88  | 86  | 89  | 86  | 84  | 82  |    |    |    |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 74  |    |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |    |    |
| 5   | 87  | 77  | 71  | 66  | 85  | 76  | 70  | 65  | 75  | 69  | 65  | 73  | 68  | 64  | 71  | 67  | 64  | 62  |    |    |    |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 60  | 69  | 64  | 59  | 68  | 63  | 59  | 66  | 62  | 58  | 57  |    |    |    |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 52  |    |    |    |
| 8   | 73  | 62  | 55  | 51  | 72  | 62  | 55  | 51  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 50  | 48  |    |    |    |
| 9   | 69  | 58  | 51  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  | 56  | 50  | 46  | 55  | 50  | 46  | 45  |    |    |    |
| 10  | 65  | 55  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 47  | 43  | 42  |    |    |    |

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

|     | 0°    |
|-----|-------|
| 0°  | 94203 |
| 5°  | 93000 |
| 10° | 89333 |
| 15° | 83565 |
| 20° | 76213 |
| 25° | 68012 |
| 30° | 59478 |
| 35° | 49416 |
| 40° | 38959 |
| 45° | 26421 |
| 50° | 16136 |
| 55° | 8372  |
| 60° | 7806  |
| 65° | 7368  |
| 70° | 6860  |
| 75° | 6015  |
| 80° | 5935  |
| 85° | 4529  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 26421 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.6   | 7.9       |
| 10°-20°   | 102.9  | 20.5      |
| 20°-30°   | 128.8  | 25.7      |
| 30°-40°   | 115.0  | 23.0      |
| 40°-50°   | 67.3   | 13.4      |
| 50°-60°   | 23.3   | 4.6       |
| 60°-70°   | 14.1   | 2.8       |
| 70°-80°   | 7.8    | 1.6       |
| 80°-90°   | 2.3    | 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°    | 271.3  | 54.1      |
| 0°-40°    | 386.3  | 77.1      |
| 0°-60°    | 476.9  | 95.2      |
| 0°-90°    | 501.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 501.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 430 |      |
| 5°  | 422 | 40   |
| 15° | 368 | 103  |
| 25° | 281 | 129  |
| 35° | 185 | 115  |
| 45° | 85  | 67   |
| 55° | 22  | 23   |
| 65° | 14  | 14   |
| 75° | 7   | 8    |
| 85° | 2   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 429.6 |
| 2.5°  | 427.2 |
| 5°    | 422.5 |
| 7.5°  | 413.0 |
| 10°   | 401.2 |
| 12.5° | 386.4 |
| 15°   | 368.1 |
| 17.5° | 348.5 |
| 20°   | 326.6 |
| 22.5° | 304.1 |
| 25°   | 281.1 |
| 27.5° | 258.0 |
| 30°   | 234.9 |
| 32.5° | 210.1 |
| 35°   | 184.6 |
| 37.5° | 159.8 |
| 40°   | 136.1 |
| 42.5° | 110.7 |
| 45°   | 85.2  |
| 47.5° | 65.1  |
| 50°   | 47.3  |
| 52.5° | 30.8  |
| 55°   | 21.9  |
| 57.5° | 19.5  |
| 60°   | 17.8  |
| 62.5° | 16.0  |
| 65°   | 14.2  |
| 67.5° | 12.4  |
| 70°   | 10.7  |
| 72.5° | 8.9   |
| 75°   | 7.1   |
| 77.5° | 5.9   |
| 80°   | 4.7   |
| 82.5° | 3.0   |
| 85°   | 1.8   |
| 87.5° | 1.2   |
| 90°   | 0.0   |

(END OF REPORT)