

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: P1294202

Luminaire Tested: P3A09R55W2N902750DE010 E3DLP1LI\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1294202  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R55W2N902750DE010 E3DLP1LI\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI ,  
E3DLP1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

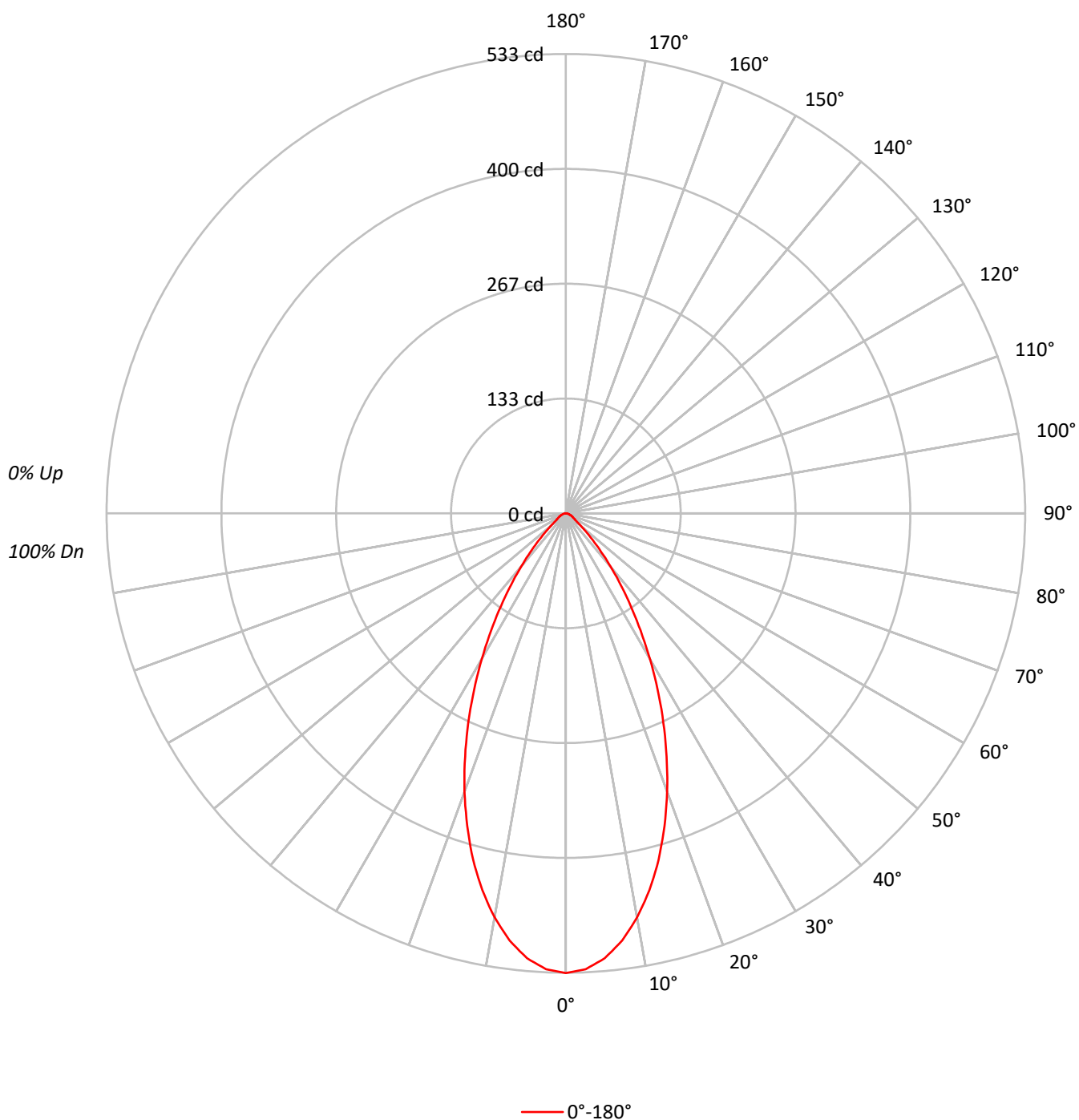
Lumens per Lamp: N/A  
Luminaire Lumens: 430.0 lumens  
Efficiency: N/A  
Efficacy: 47.8 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 |  | 100 | 98  | 97  |  | 97  | 95  | 94  | 92  |
| 2   | 107 | 102 | 97  | 94  | 105 | 100 | 96  | 93  | 97  | 93  | 91  |  | 94  | 91  | 89  |  | 91  | 89  | 87  | 85  |
| 3   | 101 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 84  | 81  |  | 85  | 83  | 80  | 79  |
| 4   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 77  | 84  | 80  | 76  |  | 82  | 78  | 75  |  | 80  | 77  | 74  | 73  |
| 5   | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 70  |  | 76  | 72  | 69  | 67  |
| 6   | 86  | 77  | 70  | 66  | 84  | 76  | 70  | 66  | 74  | 69  | 65  |  | 73  | 68  | 65  |  | 72  | 68  | 64  | 63  |
| 7   | 82  | 72  | 66  | 61  | 80  | 71  | 65  | 61  | 70  | 65  | 61  |  | 69  | 64  | 60  |  | 68  | 63  | 60  | 59  |
| 8   | 78  | 68  | 62  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  |  | 65  | 60  | 57  |  | 64  | 60  | 56  | 55  |
| 9   | 74  | 64  | 58  | 54  | 73  | 63  | 58  | 54  | 62  | 57  | 53  |  | 62  | 57  | 53  |  | 61  | 56  | 53  | 52  |
| 10  | 70  | 60  | 55  | 51  | 69  | 60  | 54  | 50  | 59  | 54  | 50  |  | 58  | 54  | 50  |  | 58  | 53  | 50  | 49  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 116964 |
| 5°  | 114043 |
| 10° | 106010 |
| 15° | 94416  |
| 20° | 80227  |
| 25° | 64746  |
| 30° | 49349  |
| 35° | 35094  |
| 40° | 23158  |
| 45° | 13738  |
| 50° | 8051   |
| 55° | 4970   |
| 60° | 4386   |
| 65° | 3995   |
| 70° | 3398   |
| 75° | 2965   |
| 80° | 3031   |
| 85° | 3019   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13738 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.1   | 11.2      |
| 10°-20°   | 115.3  | 26.8      |
| 20°-30°   | 122.1  | 28.4      |
| 30°-40°   | 82.5   | 19.2      |
| 40°-50°   | 36.2   | 8.4       |
| 50°-60°   | 12.9   | 3.0       |
| 60°-70°   | 7.6    | 1.8       |
| 70°-80°   | 4.0    | 0.9       |
| 80°-90°   | 1.3    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 285.5  | 66.4      |
| 0°-40°    | 368.0  | 85.6      |
| 0°-60°    | 417.1  | 97.0      |
| 0°-90°    | 430.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 430.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 533 |      |
| 5°  | 518 | 48   |
| 15° | 416 | 115  |
| 25° | 268 | 122  |
| 35° | 131 | 83   |
| 45° | 44  | 36   |
| 55° | 13  | 13   |
| 65° | 8   | 8    |
| 75° | 4   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 533.4 |
| 2.5°  | 529.3 |
| 5°    | 518.1 |
| 7.5°  | 499.8 |
| 10°   | 476.1 |
| 12.5° | 447.8 |
| 15°   | 415.9 |
| 17.5° | 380.4 |
| 20°   | 343.8 |
| 22.5° | 305.4 |
| 25°   | 267.6 |
| 27.5° | 230.4 |
| 30°   | 194.9 |
| 32.5° | 161.3 |
| 35°   | 131.1 |
| 37.5° | 104.0 |
| 40°   | 80.9  |
| 42.5° | 60.8  |
| 45°   | 44.3  |
| 47.5° | 32.5  |
| 50°   | 23.6  |
| 52.5° | 16.5  |
| 55°   | 13.0  |
| 57.5° | 11.8  |
| 60°   | 10.0  |
| 62.5° | 8.9   |
| 65°   | 7.7   |
| 67.5° | 6.5   |
| 70°   | 5.3   |
| 72.5° | 4.7   |
| 75°   | 3.5   |
| 77.5° | 3.0   |
| 80°   | 2.4   |
| 82.5° | 1.8   |
| 85°   | 1.2   |
| 87.5° | 0.6   |
| 90°   | 0.0   |

(END OF REPORT)