

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: P1298123

Luminaire Tested: P3A13R55W2N902765DE010 E3DLD1H\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1298123  
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: P3A13R55W2N902765DE010 E3DLD1H\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,  
E3DLD1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

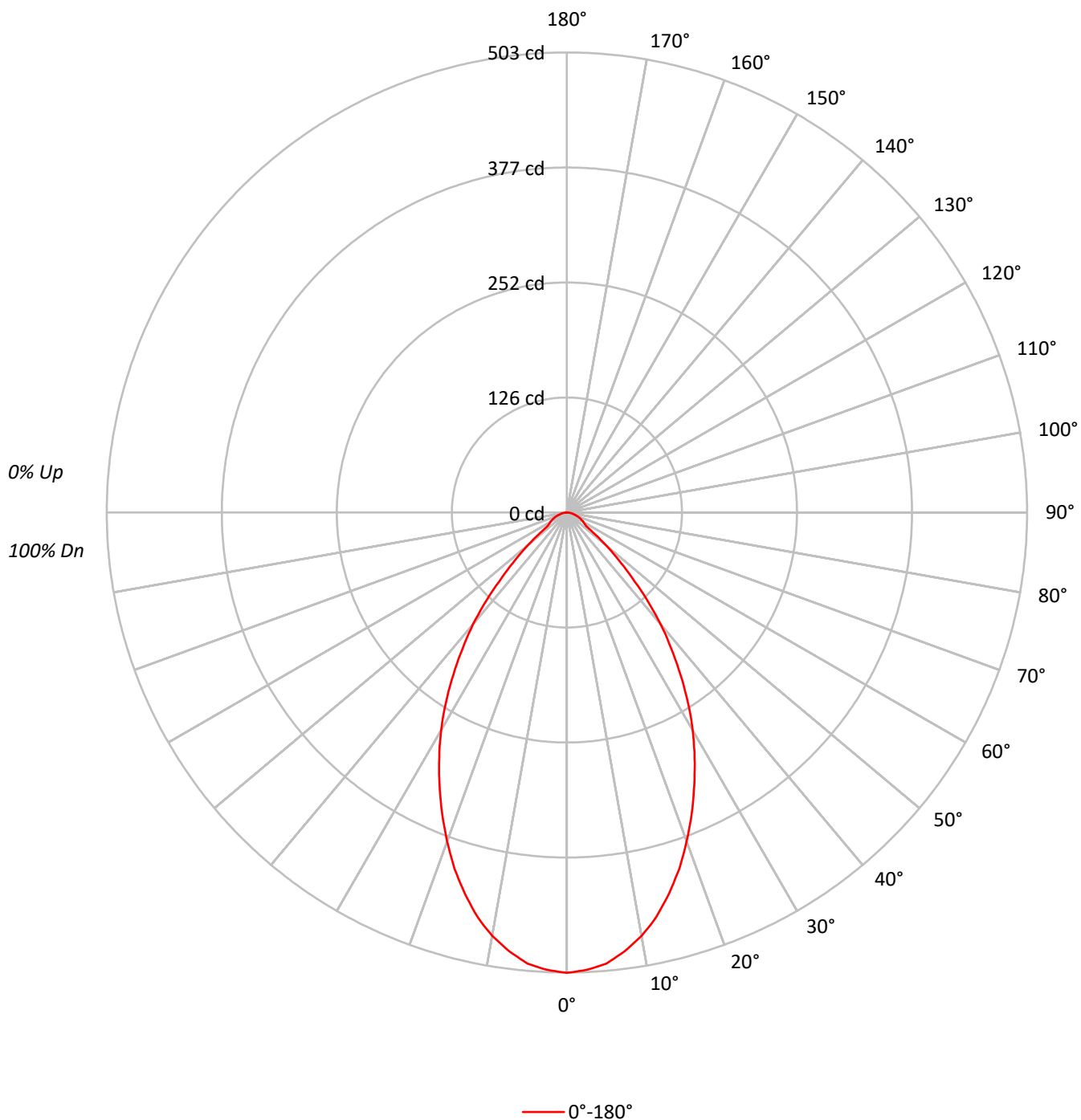
Lumens per Lamp: N/A  
Luminaire Lumens: 587.0 lumens  
Efficiency: N/A  
Efficacy: 47.7 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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  | 55  | 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°  | 110364 |
| 5°  | 108959 |
| 10° | 104674 |
| 15° | 97889  |
| 20° | 89304  |
| 25° | 79674  |
| 30° | 69682  |
| 35° | 57902  |
| 40° | 45657  |
| 45° | 30949  |
| 50° | 18933  |
| 55° | 9825   |
| 60° | 9122   |
| 65° | 8613   |
| 70° | 8014   |
| 75° | 7032   |
| 80° | 6945   |
| 85° | 5284   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 30949 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.4   | 7.9       |
| 10°-20°   | 120.5  | 20.5      |
| 20°-30°   | 150.9  | 25.7      |
| 30°-40°   | 134.7  | 23.0      |
| 40°-50°   | 78.9   | 13.4      |
| 50°-60°   | 27.3   | 4.6       |
| 60°-70°   | 16.5   | 2.8       |
| 70°-80°   | 9.1    | 1.6       |
| 80°-90°   | 2.7    | 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°    | 317.9  | 54.2      |
| 0°-40°    | 452.6  | 77.1      |
| 0°-60°    | 558.8  | 95.2      |
| 0°-90°    | 587.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 587.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 503 |      |
| 5°  | 495 | 46   |
| 15° | 431 | 121  |
| 25° | 329 | 151  |
| 35° | 216 | 135  |
| 45° | 100 | 79   |
| 55° | 26  | 27   |
| 65° | 17  | 16   |
| 75° | 8   | 9    |
| 85° | 2   | 3    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 503.3 |
| 2.5°  | 500.6 |
| 5°    | 495.0 |
| 7.5°  | 483.9 |
| 10°   | 470.1 |
| 12.5° | 452.7 |
| 15°   | 431.2 |
| 17.5° | 408.4 |
| 20°   | 382.7 |
| 22.5° | 356.4 |
| 25°   | 329.3 |
| 27.5° | 302.3 |
| 30°   | 275.2 |
| 32.5° | 246.1 |
| 35°   | 216.3 |
| 37.5° | 187.2 |
| 40°   | 159.5 |
| 42.5° | 129.6 |
| 45°   | 99.8  |
| 47.5° | 76.3  |
| 50°   | 55.5  |
| 52.5° | 36.1  |
| 55°   | 25.7  |
| 57.5° | 22.9  |
| 60°   | 20.8  |
| 62.5° | 18.7  |
| 65°   | 16.6  |
| 67.5° | 14.6  |
| 70°   | 12.5  |
| 72.5° | 10.4  |
| 75°   | 8.3   |
| 77.5° | 6.9   |
| 80°   | 5.5   |
| 82.5° | 3.5   |
| 85°   | 2.1   |
| 87.5° | 1.4   |
| 90°   | 0.0   |

(END OF REPORT)