

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: P1299045

Luminaire Tested: P3A13R70W2N902765DE010 E3DL1WH\_4000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1299045  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R70W2N902765DE010 E3DL1WH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,  
E3DL1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

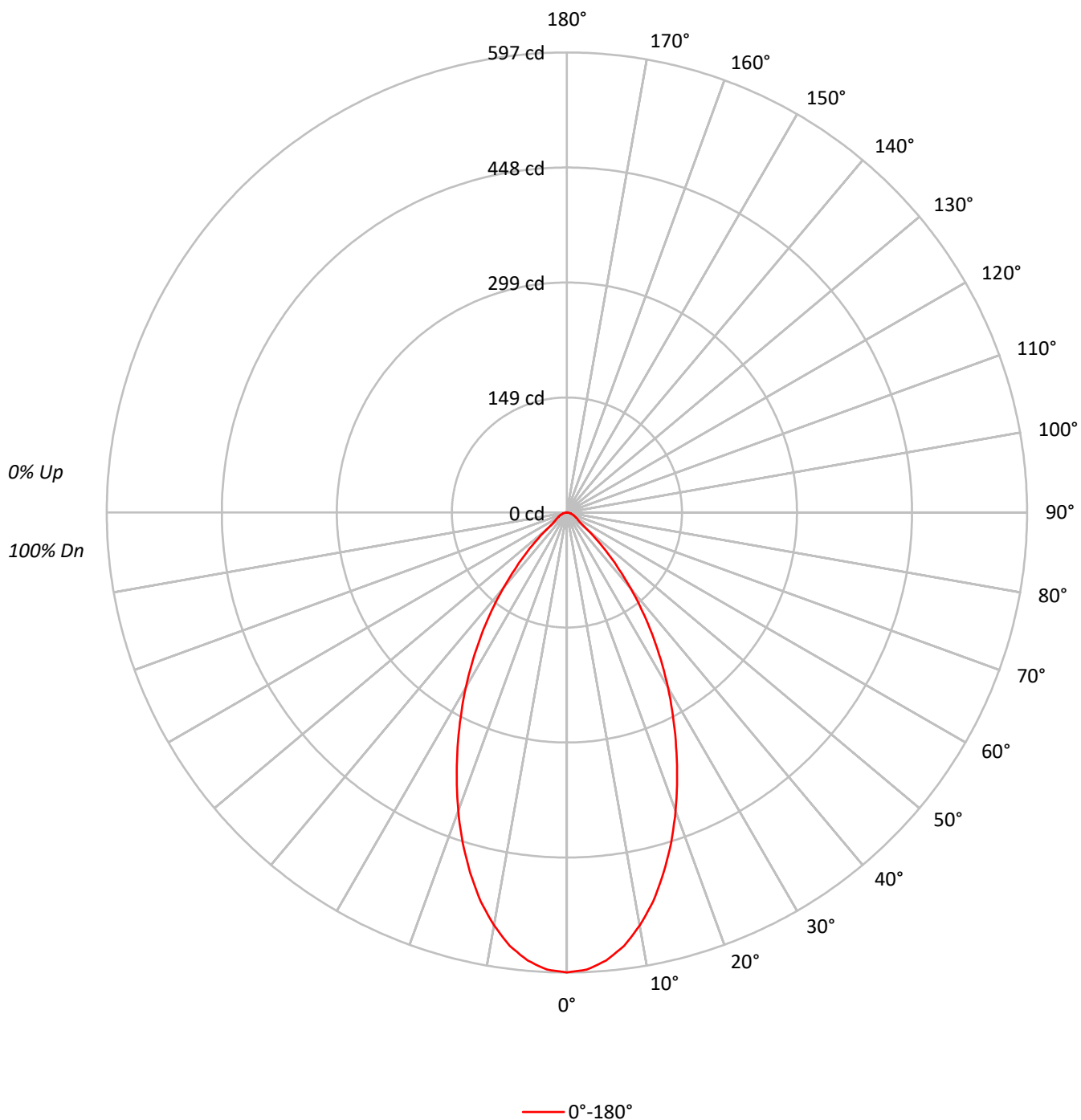
Lumens per Lamp: N/A  
Luminaire Lumens: 558.0 lumens  
Efficiency: N/A  
Efficacy: 45.4 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 100 |  | 100 | 98  | 97  |  | 96  |
| 2   | 106 | 101 | 97  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 90  |  | 93  | 90  | 88  |  | 90  |
| 3   | 100 | 93  | 88  | 83  | 98  | 92  | 87  | 83  | 89  | 85  | 81  |  | 87  | 83  | 80  |  | 84  |
| 4   | 95  | 86  | 80  | 76  | 93  | 85  | 80  | 75  | 83  | 78  | 74  |  | 81  | 77  | 73  |  | 79  |
| 5   | 89  | 80  | 74  | 69  | 88  | 79  | 73  | 69  | 78  | 72  | 68  |  | 76  | 71  | 68  |  | 74  |
| 6   | 85  | 75  | 68  | 64  | 83  | 74  | 68  | 64  | 73  | 67  | 63  |  | 71  | 66  | 63  |  | 70  |
| 7   | 80  | 70  | 64  | 59  | 79  | 69  | 63  | 59  | 68  | 62  | 58  |  | 67  | 62  | 58  |  | 66  |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 54  |  | 63  | 58  | 54  |  | 62  |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  |  | 59  | 54  | 51  |  | 58  |
| 10  | 69  | 58  | 52  | 48  | 67  | 58  | 52  | 48  | 57  | 51  | 48  |  | 56  | 51  | 48  |  | 55  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 130889 |
| 5°  | 128483 |
| 10° | 121151 |
| 15° | 109944 |
| 20° | 96188  |
| 25° | 81126  |
| 30° | 66415  |
| 35° | 51531  |
| 40° | 36869  |
| 45° | 23351  |
| 50° | 11667  |
| 55° | 7111   |
| 60° | 6140   |
| 65° | 5656   |
| 70° | 5001   |
| 75° | 4575   |
| 80° | 3915   |
| 85° | 4026   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23351 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.5   | 9.8       |
| 10°-20°   | 134.8  | 24.2      |
| 20°-30°   | 153.5  | 27.5      |
| 30°-40°   | 120.0  | 21.5      |
| 40°-50°   | 59.0   | 10.6      |
| 50°-60°   | 18.1   | 3.2       |
| 60°-70°   | 10.8   | 1.9       |
| 70°-80°   | 5.7    | 1.0       |
| 80°-90°   | 1.7    | 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°    | 342.7  | 61.4      |
| 0°-40°    | 462.7  | 82.9      |
| 0°-60°    | 539.8  | 96.7      |
| 0°-90°    | 558.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 558.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 597 |      |
| 5°  | 584 | 54   |
| 15° | 484 | 135  |
| 25° | 335 | 153  |
| 35° | 192 | 120  |
| 45° | 75  | 59   |
| 55° | 19  | 18   |
| 65° | 11  | 11   |
| 75° | 5   | 6    |
| 85° | 2   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 596.9 |
| 2.5°  | 593.8 |
| 5°    | 583.7 |
| 7.5°  | 567.4 |
| 10°   | 544.1 |
| 12.5° | 516.9 |
| 15°   | 484.3 |
| 17.5° | 449.4 |
| 20°   | 412.2 |
| 22.5° | 373.3 |
| 25°   | 335.3 |
| 27.5° | 298.1 |
| 30°   | 262.3 |
| 32.5° | 226.6 |
| 35°   | 192.5 |
| 37.5° | 159.9 |
| 40°   | 128.8 |
| 42.5° | 100.1 |
| 45°   | 75.3  |
| 47.5° | 52.8  |
| 50°   | 34.2  |
| 52.5° | 22.5  |
| 55°   | 18.6  |
| 57.5° | 16.3  |
| 60°   | 14.0  |
| 62.5° | 12.4  |
| 65°   | 10.9  |
| 67.5° | 9.3   |
| 70°   | 7.8   |
| 72.5° | 6.2   |
| 75°   | 5.4   |
| 77.5° | 4.7   |
| 80°   | 3.1   |
| 82.5° | 2.3   |
| 85°   | 1.6   |
| 87.5° | 0.8   |
| 90°   | 0.0   |

(END OF REPORT)