

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: P1426965

Luminaire Tested: P3A24RH9027D010 E3HY1MW

Issue Date: 3/9/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1426965  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A24RH9027D010 E3HY1MW  
Description: 3in Adjustable LED luminaire with, RH optic, 2700K CCT AND, 90CRI , E3HY1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

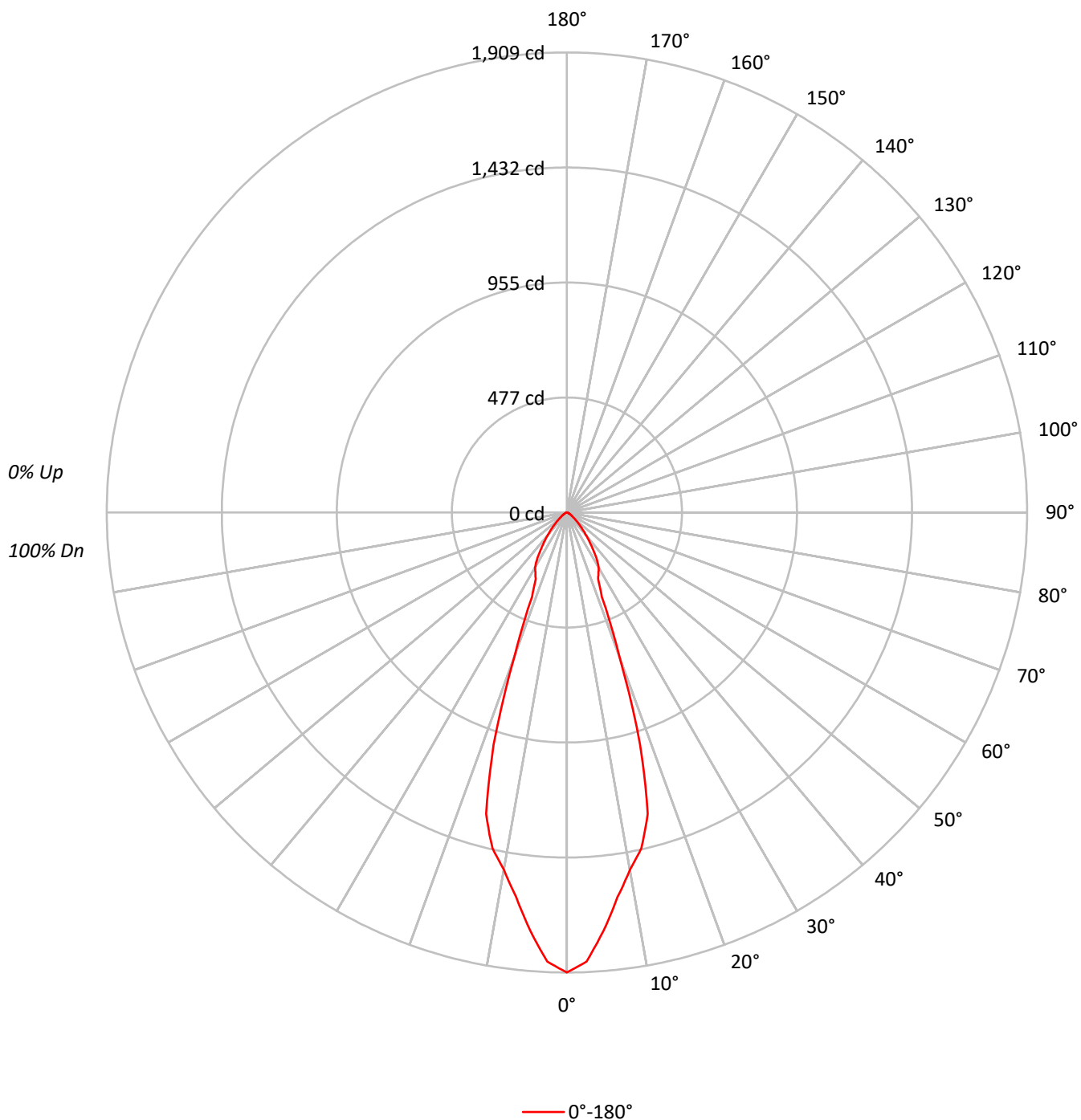
Lumens per Lamp: N/A  
Luminaire Lumens: 868.0 lumens  
Efficiency: N/A  
Efficacy: 30.1 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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   | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 96  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  |  | 91  | 88  | 85  |  | 89  |
| 4   | 99  | 91  | 86  | 82  | 97  | 90  | 86  | 82  | 88  | 84  | 81  |  | 86  | 83  | 80  |  | 84  |
| 5   | 94  | 86  | 81  | 77  | 93  | 85  | 80  | 77  | 84  | 79  | 76  |  | 82  | 78  | 75  |  | 81  |
| 6   | 90  | 82  | 76  | 72  | 89  | 81  | 76  | 72  | 80  | 75  | 72  |  | 78  | 74  | 71  |  | 77  |
| 7   | 86  | 78  | 72  | 68  | 85  | 77  | 72  | 68  | 76  | 71  | 68  |  | 75  | 70  | 67  |  | 74  |
| 8   | 83  | 74  | 68  | 65  | 82  | 73  | 68  | 65  | 72  | 68  | 64  |  | 71  | 67  | 64  |  | 70  |
| 9   | 79  | 71  | 65  | 62  | 78  | 70  | 65  | 61  | 69  | 65  | 61  |  | 68  | 64  | 61  |  | 68  |
| 10  | 76  | 68  | 62  | 59  | 75  | 67  | 62  | 59  | 66  | 62  | 59  |  | 66  | 61  | 58  |  | 65  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 418563 |
| 5°  | 383490 |
| 10° | 335108 |
| 15° | 293963 |
| 20° | 148763 |
| 25° | 74061  |
| 30° | 66947  |
| 35° | 50915  |
| 40° | 35781  |
| 45° | 24158  |
| 50° | 15454  |
| 55° | 10399  |
| 60° | 7149   |
| 65° | 5656   |
| 70° | 3462   |
| 75° | 3050   |
| 80° | 2273   |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24158 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 158.6  | 18.3      |
| 10°-20°   | 328.1  | 37.8      |
| 20°-30°   | 160.0  | 18.4      |
| 30°-40°   | 119.5  | 13.8      |
| 40°-50°   | 61.6   | 7.1       |
| 50°-60°   | 25.4   | 2.9       |
| 60°-70°   | 10.3   | 1.2       |
| 70°-80°   | 3.8    | 0.4       |
| 80°-90°   | 0.7    | 0.1       |
| 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°    | 646.7  | 74.5      |
| 0°-40°    | 766.3  | 88.3      |
| 0°-60°    | 853.2  | 98.3      |
| 0°-90°    | 868.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 868.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1909 |      |
| 5°  | 1742 | 159  |
| 15° | 1295 | 328  |
| 25° | 306  | 160  |
| 35° | 190  | 120  |
| 45° | 78   | 62   |
| 55° | 27   | 25   |
| 65° | 11   | 10   |
| 75° | 4    | 4    |
| 85° | 0    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1908.8 |
| 2.5°  | 1865.4 |
| 5°    | 1742.2 |
| 7.5°  | 1610.0 |
| 10°   | 1505.0 |
| 12.5° | 1427.1 |
| 15°   | 1294.9 |
| 17.5° | 1010.6 |
| 20°   | 637.5  |
| 22.5° | 378.5  |
| 25°   | 306.1  |
| 27.5° | 282.5  |
| 30°   | 264.4  |
| 32.5° | 231.8  |
| 35°   | 190.2  |
| 37.5° | 155.7  |
| 40°   | 125.0  |
| 42.5° | 99.6   |
| 45°   | 77.9   |
| 47.5° | 59.8   |
| 50°   | 45.3   |
| 52.5° | 34.4   |
| 55°   | 27.2   |
| 57.5° | 21.7   |
| 60°   | 16.3   |
| 62.5° | 12.7   |
| 65°   | 10.9   |
| 67.5° | 7.2    |
| 70°   | 5.4    |
| 72.5° | 5.4    |
| 75°   | 3.6    |
| 77.5° | 1.8    |
| 80°   | 1.8    |
| 82.5° | 1.8    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)