

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: P1255897

Luminaire Tested: P3A24R609035D010 E3CD1MB

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1255897  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A24R609035D010 E3CD1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

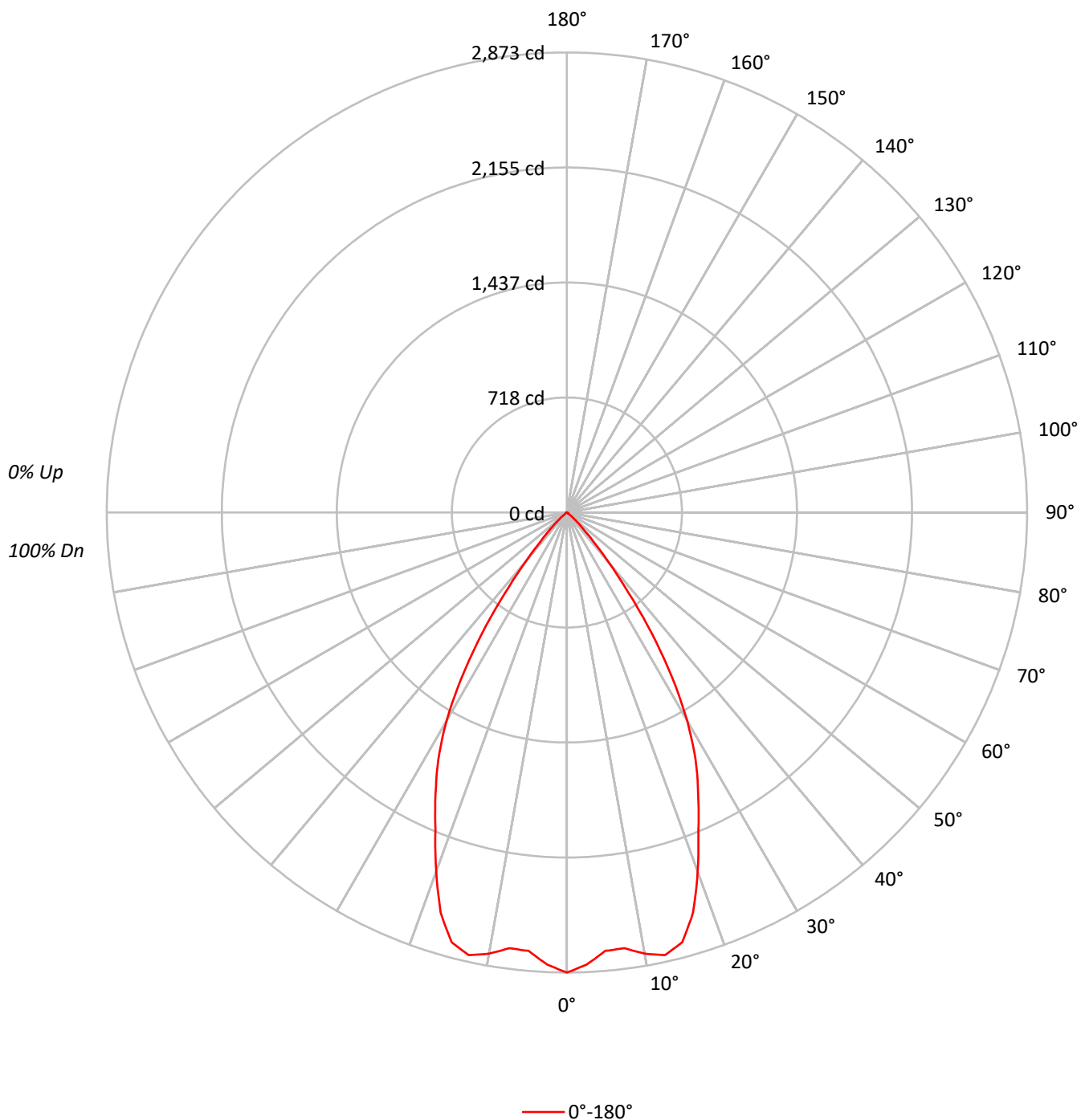
Lumens per Lamp: N/A  
Luminaire Lumens: 2638.0 lumens  
Efficiency: N/A  
Efficacy: 91.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 100 | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 96  | 91  | 88  | 101 | 95  | 90  | 87  | 92  | 89  | 85  |  | 90  | 87  | 84  |  | 88  |
| 4   | 98  | 90  | 85  | 81  | 96  | 89  | 84  | 80  | 87  | 83  | 79  |  | 85  | 81  | 78  |  | 83  |
| 5   | 93  | 84  | 79  | 74  | 91  | 84  | 78  | 74  | 82  | 77  | 73  |  | 80  | 76  | 73  |  | 79  |
| 6   | 88  | 79  | 73  | 69  | 87  | 79  | 73  | 69  | 77  | 72  | 68  |  | 76  | 71  | 68  |  | 74  |
| 7   | 84  | 75  | 69  | 64  | 82  | 74  | 68  | 64  | 73  | 68  | 64  |  | 71  | 67  | 64  |  | 70  |
| 8   | 80  | 70  | 64  | 60  | 78  | 70  | 64  | 60  | 69  | 64  | 60  |  | 68  | 63  | 60  |  | 67  |
| 9   | 76  | 66  | 61  | 57  | 75  | 66  | 60  | 56  | 65  | 60  | 56  |  | 64  | 59  | 56  |  | 63  |
| 10  | 72  | 63  | 57  | 53  | 71  | 62  | 57  | 53  | 62  | 56  | 53  |  | 61  | 56  | 53  |  | 60  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 629950 |
| 5°  | 604951 |
| 10° | 622856 |
| 15° | 630855 |
| 20° | 557062 |
| 25° | 469455 |
| 30° | 380742 |
| 35° | 247963 |
| 40° | 113899 |
| 45° | 43663  |
| 50° | 14601  |
| 55° | 3900   |
| 60° | 3596   |
| 65° | 3165   |
| 70° | 2629   |
| 75° | 3474   |
| 80° | 2526   |
| 85° | 5032   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43663 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 264.5  | 10.0      |
| 10°-20°   | 761.0  | 28.8      |
| 20°-30°   | 887.6  | 33.6      |
| 30°-40°   | 572.8  | 21.7      |
| 40°-50°   | 128.3  | 4.9       |
| 50°-60°   | 12.8   | 0.5       |
| 60°-70°   | 6.1    | 0.2       |
| 70°-80°   | 3.5    | 0.1       |
| 80°-90°   | 1.4    | 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       |
| 0°-30°    | 1913.1 | 72.5      |
| 0°-40°    | 2485.9 | 94.2      |
| 0°-60°    | 2627.1 | 99.6      |
| 0°-90°    | 2638.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2638.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2873 |      |
| 5°  | 2748 | 265  |
| 15° | 2779 | 761  |
| 25° | 1940 | 888  |
| 35° | 926  | 573  |
| 45° | 141  | 128  |
| 55° | 10   | 13   |
| 65° | 6    | 6    |
| 75° | 4    | 3    |
| 85° | 2    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2872.8 |
| 2.5°  | 2825.8 |
| 5°    | 2748.3 |
| 7.5°  | 2744.2 |
| 10°   | 2797.3 |
| 12.5° | 2831.9 |
| 15°   | 2778.9 |
| 17.5° | 2619.8 |
| 20°   | 2387.2 |
| 22.5° | 2144.4 |
| 25°   | 1940.3 |
| 27.5° | 1740.4 |
| 30°   | 1503.7 |
| 32.5° | 1226.2 |
| 35°   | 926.3  |
| 37.5° | 632.5  |
| 40°   | 397.9  |
| 42.5° | 238.7  |
| 45°   | 140.8  |
| 47.5° | 81.6   |
| 50°   | 42.8   |
| 52.5° | 14.3   |
| 55°   | 10.2   |
| 57.5° | 8.2    |
| 60°   | 8.2    |
| 62.5° | 6.1    |
| 65°   | 6.1    |
| 67.5° | 6.1    |
| 70°   | 4.1    |
| 72.5° | 4.1    |
| 75°   | 4.1    |
| 77.5° | 2.0    |
| 80°   | 2.0    |
| 82.5° | 2.0    |
| 85°   | 2.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)