

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: P1247054

Luminaire Tested: P3A13R609024DE010 E3CD1MMS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247054  
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: P3A13R609024DE010 E3CD1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

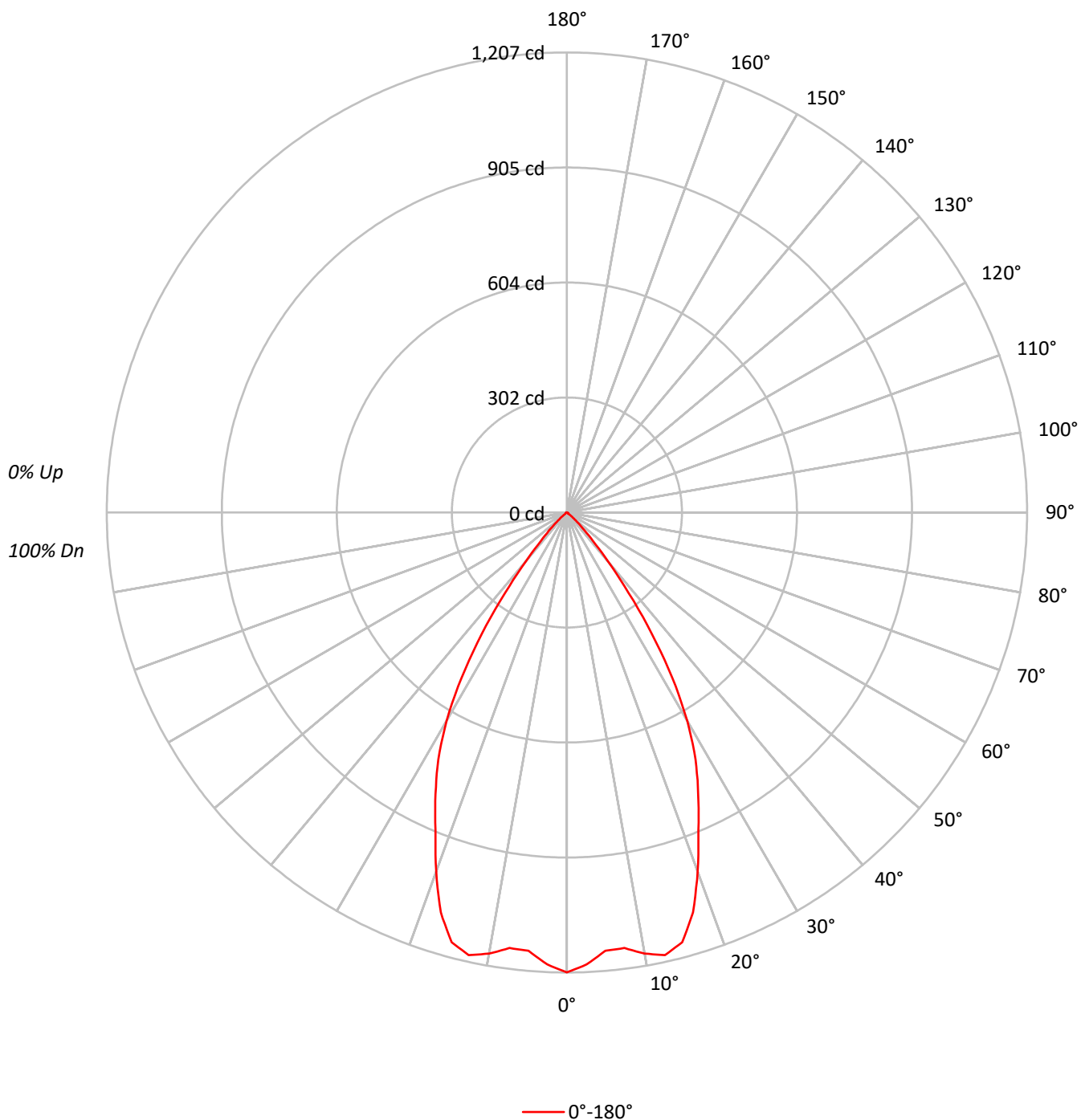
Lumens per Lamp: N/A  
Luminaire Lumens: 1108.1 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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°  | 264584 |
| 5°  | 254083 |
| 10° | 261607 |
| 15° | 264973 |
| 20° | 233960 |
| 25° | 197189 |
| 30° | 159923 |
| 35° | 104159 |
| 40° | 47832  |
| 45° | 18327  |
| 50° | 6141   |
| 55° | 1644   |
| 60° | 1491   |
| 65° | 1349   |
| 70° | 1090   |
| 75° | 1440   |
| 80° | 1137   |
| 85° | 2264   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18327 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 111.1  | 10.0      |
| 10°-20°   | 319.6  | 28.8      |
| 20°-30°   | 372.8  | 33.6      |
| 30°-40°   | 240.6  | 21.7      |
| 40°-50°   | 53.9   | 4.9       |
| 50°-60°   | 5.4    | 0.5       |
| 60°-70°   | 2.6    | 0.2       |
| 70°-80°   | 1.5    | 0.1       |
| 80°-90°   | 0.6    | 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°    | 803.5  | 72.5      |
| 0°-40°    | 1044.1 | 94.2      |
| 0°-60°    | 1103.4 | 99.6      |
| 0°-90°    | 1108.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1108.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1207 |      |
| 5°  | 1154 | 111  |
| 15° | 1167 | 320  |
| 25° | 815  | 373  |
| 35° | 389  | 241  |
| 45° | 59   | 54   |
| 55° | 4    | 5    |
| 65° | 3    | 3    |
| 75° | 2    | 1    |
| 85° | 1    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1206.6 |
| 2.5°  | 1186.9 |
| 5°    | 1154.3 |
| 7.5°  | 1152.6 |
| 10°   | 1174.9 |
| 12.5° | 1189.5 |
| 15°   | 1167.2 |
| 17.5° | 1100.3 |
| 20°   | 1002.6 |
| 22.5° | 900.7  |
| 25°   | 815.0  |
| 27.5° | 731.0  |
| 30°   | 631.6  |
| 32.5° | 515.0  |
| 35°   | 389.1  |
| 37.5° | 265.7  |
| 40°   | 167.1  |
| 42.5° | 100.3  |
| 45°   | 59.1   |
| 47.5° | 34.3   |
| 50°   | 18.0   |
| 52.5° | 6.0    |
| 55°   | 4.3    |
| 57.5° | 3.4    |
| 60°   | 3.4    |
| 62.5° | 2.6    |
| 65°   | 2.6    |
| 67.5° | 2.6    |
| 70°   | 1.7    |
| 72.5° | 1.7    |
| 75°   | 1.7    |
| 77.5° | 0.9    |
| 80°   | 0.9    |
| 82.5° | 0.9    |
| 85°   | 0.9    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)