

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: P1308457

Luminaire Tested: P3SQAS24R309030D010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308457  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R309030D010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

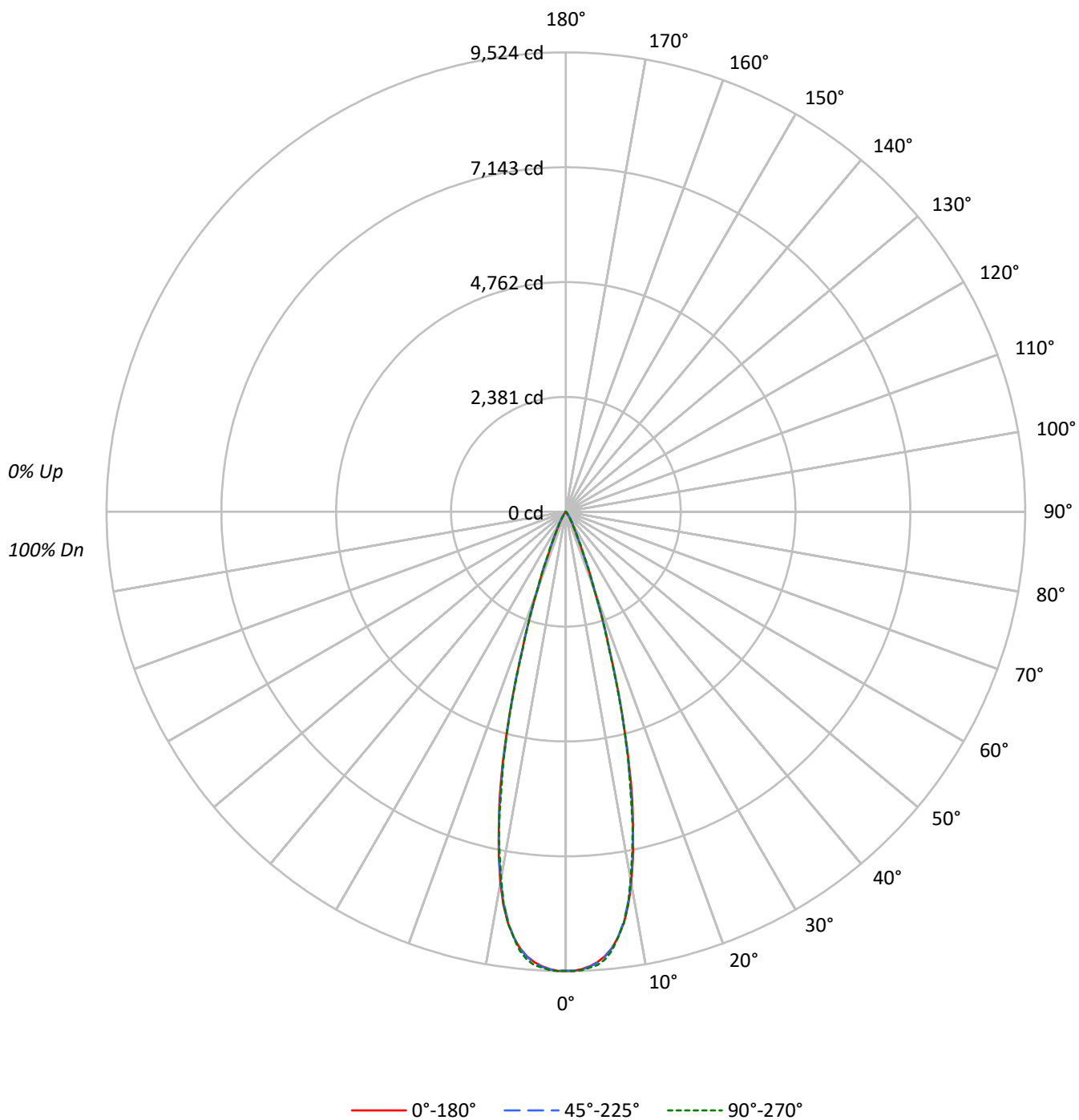
Lumens per Lamp: N/A  
Luminaire Lumens: 2456.0 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 102 | 101 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  |  | 100 | 99  | 97  |  | 98  |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  |  | 98  | 95  | 94  |  | 95  |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  |  | 95  | 92  | 90  |  | 93  |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  |  | 90  | 87  | 85  |  | 89  |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  |  | 87  | 85  | 82  |  | 87  |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  |  | 85  | 82  | 80  |  | 84  |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  |  | 81  | 78  | 76  |  | 80  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1639250 | 1639250 | 1639250 |
| 5°  | 1599266 | 1601254 | 1610174 |
| 10° | 1365896 | 1359548 | 1351538 |
| 15° | 842922  | 833044  | 836111  |
| 20° | 318569  | 320329  | 319981  |
| 25° | 97997   | 107441  | 102367  |
| 30° | 39515   | 50134   | 41026   |
| 35° | 11648   | 21277   | 12047   |
| 40° | 4721    | 8588    | 4721    |
| 45° | 926     | 2801    | 926     |
| 50° | 0       | 509     | 0       |
| 55° | 0       | 0       | 0       |
| 60° | 0       | 0       | 0       |
| 65° | 0       | 0       | 0       |
| 70° | 0       | 0       | 0       |
| 75° | 0       | 0       | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2801 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 839.5  | 34.2      |
| 10°-20°   | 1243.0 | 50.6      |
| 20°-30°   | 308.3  | 12.6      |
| 30°-40°   | 57.9   | 2.4       |
| 40°-50°   | 7.3    | 0.3       |
| 50°-60°   | 0.1    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 2390.8 | 97.3      |
| 0°-40°    | 2448.7 | 99.7      |
| 0°-60°    | 2456.0 | 100.0     |
| 0°-90°    | 2456.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2456.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 9518 | 9518  | 9518 | 9518  | 9518 |      |
| 5°  | 9251 | 9247  | 9262 | 9278  | 9314 | 840  |
| 15° | 4728 | 4682  | 4672 | 4708  | 4689 | 1249 |
| 25° | 516  | 550   | 565  | 564   | 539  | 297  |
| 35° | 55   | 73    | 101  | 74    | 57   | 46   |
| 45° | 4    | 6     | 12   | 8     | 4    | 4    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 9518.2 | 9518.2 | 9518.2 | 9518.2 | 9518.2 |
| 1°    | 9522.0 | 9514.3 | 9514.3 | 9502.9 | 9523.9 |
| 2°    | 9487.6 | 9480.0 | 9493.3 | 9483.8 | 9510.5 |
| 3°    | 9436.0 | 9426.5 | 9445.6 | 9451.3 | 9464.7 |
| 4°    | 9359.6 | 9352.0 | 9373.0 | 9384.4 | 9420.7 |
| 5°    | 9250.7 | 9246.9 | 9262.2 | 9277.5 | 9313.8 |
| 6°    | 9101.7 | 9096.0 | 9105.6 | 9124.7 | 9147.6 |
| 7°    | 8885.9 | 8874.4 | 8882.1 | 8885.9 | 8891.6 |
| 8°    | 8612.8 | 8595.6 | 8586.0 | 8607.0 | 8618.5 |
| 9°    | 8261.3 | 8242.2 | 8221.2 | 8213.5 | 8240.3 |
| 10°   | 7810.5 | 7781.9 | 7774.2 | 7755.1 | 7728.4 |
| 11°   | 7287.1 | 7264.2 | 7258.5 | 7224.1 | 7208.8 |
| 12°   | 6687.3 | 6675.9 | 6689.3 | 6668.2 | 6660.6 |
| 13°   | 6112.4 | 6039.8 | 6030.3 | 5990.2 | 5969.1 |
| 14°   | 5432.4 | 5365.5 | 5363.6 | 5342.6 | 5371.3 |
| 15°   | 4727.6 | 4681.7 | 4672.2 | 4708.5 | 4689.4 |
| 17.5° | 3014.2 | 3044.7 | 3037.1 | 3018.0 | 2985.5 |
| 20°   | 1738.2 | 1717.2 | 1747.8 | 1755.4 | 1745.9 |
| 22.5° | 926.4  | 934.1  | 939.8  | 962.7  | 978.0  |
| 25°   | 515.7  | 550.1  | 565.4  | 563.5  | 538.7  |
| 27.5° | 320.9  | 341.9  | 370.6  | 351.5  | 330.5  |
| 30°   | 198.7  | 215.8  | 252.1  | 217.8  | 206.3  |
| 32.5° | 107.0  | 135.6  | 162.4  | 135.6  | 110.8  |
| 35°   | 55.4   | 72.6   | 101.2  | 74.5   | 57.3   |
| 37.5° | 36.3   | 42.0   | 64.9   | 42.0   | 36.3   |
| 40°   | 21.0   | 26.7   | 38.2   | 26.7   | 21.0   |
| 42.5° | 9.6    | 15.3   | 21.0   | 15.3   | 9.6    |
| 45°   | 3.8    | 5.7    | 11.5   | 7.6    | 3.8    |
| 47.5° | 0.0    | 1.9    | 5.7    | 1.9    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.9    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)