

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: P1316697

Luminaire Tested: P3SQAS02R359830DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316697  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R359830DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

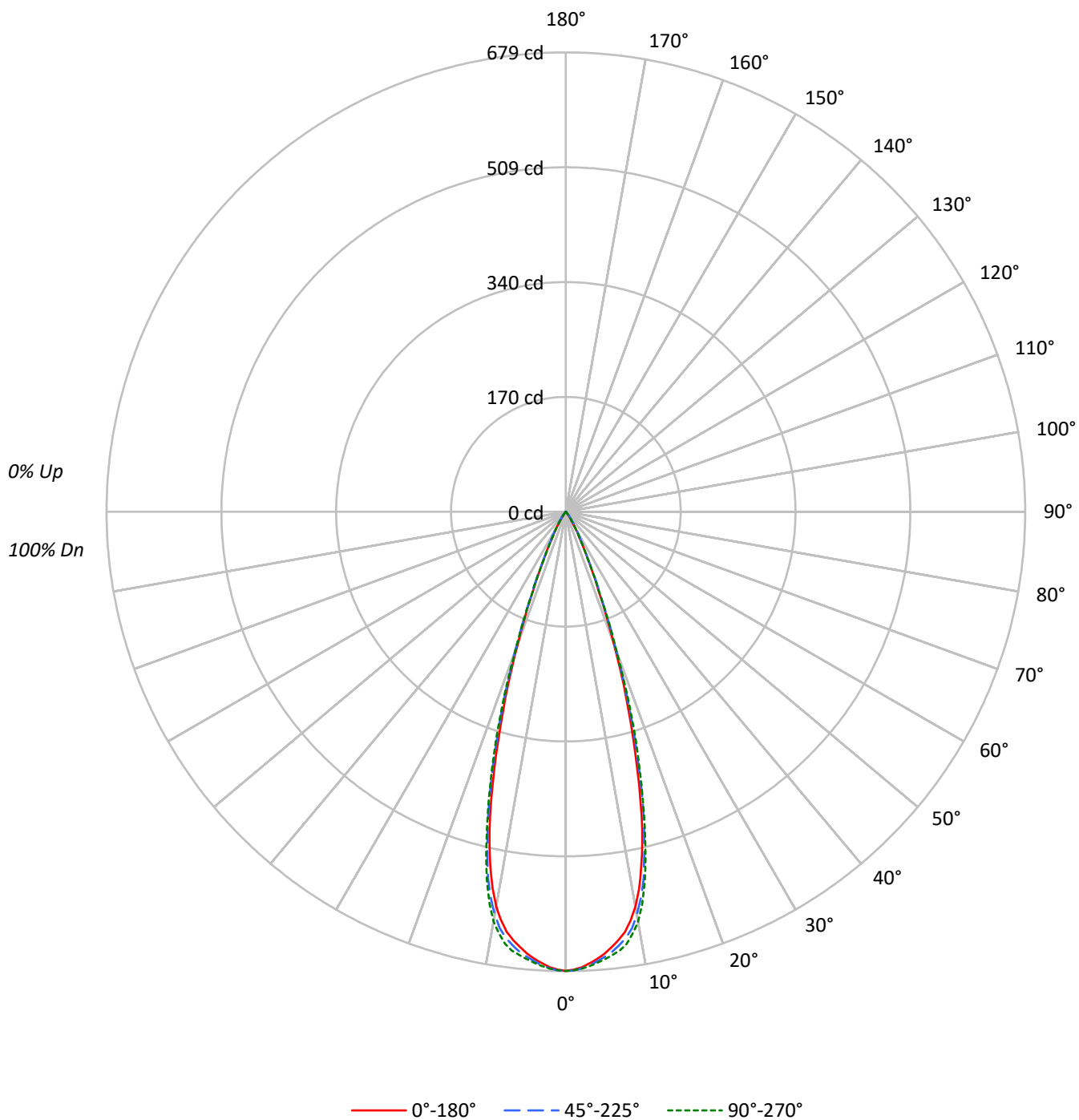
Lumens per Lamp: N/A  
Luminaire Lumens: 226.0 lumens  
Efficiency: N/A  
Efficacy: 62.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98  |  | 100 | 98  | 96  |  | 97  |
| 3   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 94  |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 88  |  | 92  |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 88  | 86  |  | 90  | 87  | 85  |  | 89  |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 83  |  | 88  | 84  | 82  |  | 86  |
| 7   | 94  | 88  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  |  | 85  | 82  | 79  |  | 84  |
| 8   | 91  | 85  | 80  | 77  | 91  | 84  | 80  | 77  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 81  |
| 9   | 89  | 82  | 78  | 75  | 88  | 81  | 77  | 75  | 81  | 77  | 74  |  | 80  | 77  | 74  |  | 79  |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 75  | 72  |  | 78  | 74  | 72  |  | 77  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 116905 | 116905 | 116905 |
| 5°  | 113358 | 114153 | 114775 |
| 10° | 103581 | 105767 | 107586 |
| 15° | 74493  | 77738  | 78380  |
| 20° | 37920  | 39826  | 39917  |
| 25° | 14385  | 14689  | 14290  |
| 30° | 5588   | 6483   | 5449   |
| 35° | 1913   | 3007   | 1808   |
| 40° | 652    | 1169   | 607    |
| 45° | 49     | 390    | 49     |
| 50° | 0      | 54     | 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: 390 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 61.4   | 27.2      |
| 10°-20°   | 114.5  | 50.7      |
| 20°-30°   | 41.1   | 18.2      |
| 30°-40°   | 8.0    | 3.6       |
| 40°-50°   | 0.9    | 0.4       |
| 50°-60°   | 0.0    | 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°    | 217.1  | 96.0      |
| 0°-40°    | 225.1  | 99.6      |
| 0°-60°    | 226.0  | 100.0     |
| 0°-90°    | 226.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 226.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 679 | 679   | 679 | 679   | 679 |      |
| 5°  | 656 | 658   | 660 | 663   | 664 | 61   |
| 15° | 418 | 425   | 436 | 439   | 440 | 111  |
| 25° | 76  | 76    | 77  | 77    | 75  | 40   |
| 35° | 9   | 10    | 14  | 11    | 9   | 7    |
| 45° | 0   | 0     | 2   | 0     | 0   | 0    |
| 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°    | 678.8 | 678.8 | 678.8 | 678.8 | 678.8 |
| 1°    | 676.8 | 677.7 | 677.9 | 679.1 | 677.7 |
| 2°    | 673.9 | 674.5 | 675.2 | 676.3 | 675.6 |
| 3°    | 668.4 | 669.5 | 671.1 | 672.5 | 672.5 |
| 4°    | 662.5 | 663.9 | 665.9 | 668.4 | 668.2 |
| 5°    | 655.7 | 657.5 | 660.3 | 663.4 | 663.9 |
| 6°    | 647.1 | 649.2 | 653.9 | 658.2 | 658.9 |
| 7°    | 638.0 | 641.2 | 645.7 | 651.9 | 653.5 |
| 8°    | 627.2 | 629.7 | 636.2 | 643.5 | 645.3 |
| 9°    | 611.5 | 615.2 | 623.5 | 630.3 | 631.3 |
| 10°   | 592.3 | 595.0 | 604.8 | 612.0 | 615.2 |
| 11°   | 567.6 | 571.6 | 581.2 | 588.6 | 590.7 |
| 12°   | 536.1 | 541.8 | 553.1 | 558.5 | 560.3 |
| 13°   | 502.1 | 506.9 | 515.7 | 522.3 | 523.8 |
| 14°   | 463.8 | 468.4 | 477.6 | 482.9 | 481.7 |
| 15°   | 417.8 | 424.8 | 436.0 | 439.1 | 439.6 |
| 17.5° | 308.6 | 313.1 | 323.1 | 327.9 | 331.3 |
| 20°   | 206.9 | 211.2 | 217.3 | 220.5 | 217.8 |
| 22.5° | 125.8 | 129.4 | 132.6 | 132.5 | 131.6 |
| 25°   | 75.7  | 76.4  | 77.3  | 76.8  | 75.2  |
| 27.5° | 44.2  | 46.2  | 48.9  | 47.1  | 44.4  |
| 30°   | 28.1  | 29.7  | 32.6  | 29.5  | 27.4  |
| 32.5° | 14.9  | 18.8  | 21.8  | 17.7  | 15.6  |
| 35°   | 9.1   | 10.4  | 14.3  | 10.6  | 8.6   |
| 37.5° | 5.5   | 6.4   | 9.0   | 6.3   | 5.0   |
| 40°   | 2.9   | 4.1   | 5.2   | 3.8   | 2.7   |
| 42.5° | 0.9   | 2.0   | 2.9   | 1.8   | 0.9   |
| 45°   | 0.2   | 0.5   | 1.6   | 0.5   | 0.2   |
| 47.5° | 0.0   | 0.0   | 0.7   | 0.2   | 0.0   |
| 50°   | 0.0   | 0.0   | 0.2   | 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)