

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: P1316887

Luminaire Tested: P3SQAS05R559830DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316887  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R559830DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

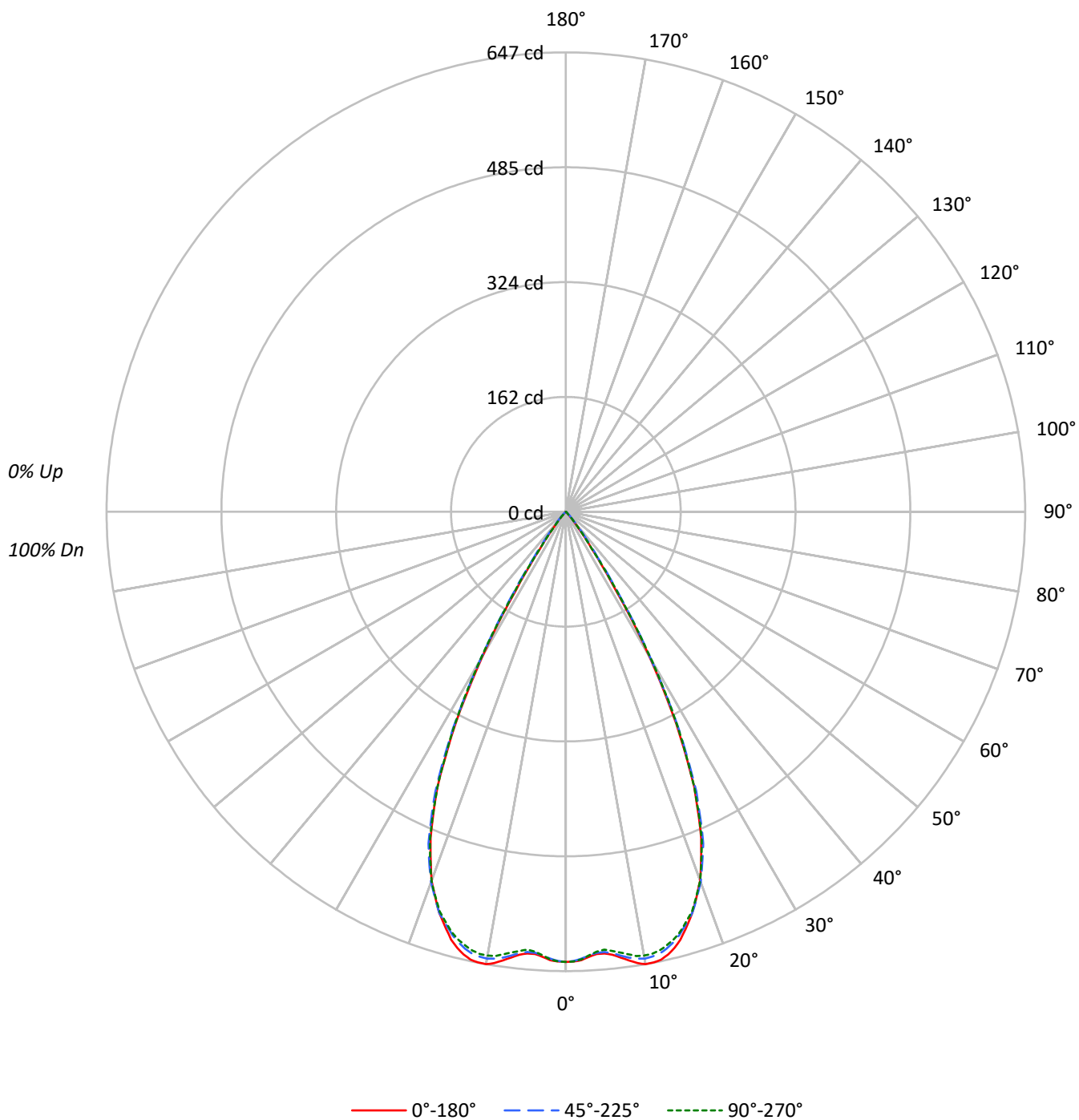
Lumens per Lamp: N/A  
Luminaire Lumens: 482.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  |  | 92  | 90  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  |  | 80  | 76  | 73  |  | 79  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 65  |  | 72  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  |  | 69  | 65  | 62  |  | 69  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 66  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 109189 | 109189 | 109189 |
| 5°  | 107947 | 107618 | 107048 |
| 10° | 113147 | 111783 | 110996 |
| 15° | 111258 | 110063 | 109671 |
| 20° | 101333 | 101755 | 101406 |
| 25° | 81293  | 82567  | 81293  |
| 30° | 46654  | 47847  | 48205  |
| 35° | 13309  | 16021  | 13687  |
| 40° | 3417   | 4901   | 3485   |
| 45° | 365    | 1705   | 268    |
| 50° | 0      | 295    | 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: 1705 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.2   | 12.5      |
| 10°-20°   | 171.8  | 35.6      |
| 20°-30°   | 189.2  | 39.3      |
| 30°-40°   | 56.5   | 11.7      |
| 40°-50°   | 4.3    | 0.9       |
| 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°    | 421.2  | 87.4      |
| 0°-40°    | 477.6  | 99.1      |
| 0°-60°    | 482.0  | 100.0     |
| 0°-90°    | 482.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 482.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 634 | 634   | 634 | 634   | 634 |      |
| 5°  | 624 | 623   | 622 | 620   | 619 | 61   |
| 15° | 624 | 620   | 617 | 615   | 615 | 173  |
| 25° | 428 | 428   | 434 | 434   | 428 | 187  |
| 35° | 63  | 67    | 76  | 70    | 65  | 52   |
| 45° | 2   | 4     | 7   | 4     | 1   | 3    |
| 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°    | 634.0 | 634.0 | 634.0 | 634.0 | 634.0 |
| 1°    | 633.6 | 633.6 | 632.9 | 632.5 | 633.6 |
| 2°    | 631.8 | 631.8 | 629.9 | 629.6 | 630.7 |
| 3°    | 627.7 | 627.3 | 625.9 | 624.7 | 625.5 |
| 4°    | 624.4 | 623.6 | 622.5 | 620.7 | 621.0 |
| 5°    | 624.4 | 623.3 | 622.5 | 619.9 | 619.2 |
| 6°    | 627.3 | 626.6 | 625.1 | 622.5 | 621.8 |
| 7°    | 632.5 | 631.0 | 629.6 | 626.2 | 625.5 |
| 8°    | 638.1 | 637.0 | 634.0 | 630.7 | 629.2 |
| 9°    | 643.6 | 641.0 | 637.3 | 634.0 | 633.6 |
| 10°   | 647.0 | 643.2 | 639.2 | 635.1 | 634.7 |
| 11°   | 646.6 | 643.2 | 638.4 | 634.7 | 634.4 |
| 12°   | 645.1 | 640.3 | 636.2 | 631.8 | 632.1 |
| 13°   | 639.9 | 635.5 | 631.4 | 628.1 | 627.3 |
| 14°   | 632.9 | 628.8 | 625.1 | 621.8 | 622.2 |
| 15°   | 624.0 | 619.6 | 617.3 | 614.8 | 615.1 |
| 17.5° | 592.5 | 591.4 | 592.5 | 589.6 | 590.7 |
| 20°   | 552.9 | 551.8 | 555.2 | 553.7 | 553.3 |
| 22.5° | 497.8 | 499.3 | 505.6 | 503.7 | 500.4 |
| 25°   | 427.8 | 427.8 | 434.5 | 433.8 | 427.8 |
| 27.5° | 336.8 | 339.4 | 343.5 | 345.3 | 340.9 |
| 30°   | 234.6 | 240.6 | 240.6 | 244.3 | 242.4 |
| 32.5° | 131.0 | 143.6 | 146.6 | 148.4 | 141.0 |
| 35°   | 63.3  | 67.4  | 76.2  | 69.6  | 65.1  |
| 37.5° | 30.3  | 32.2  | 41.1  | 33.3  | 31.1  |
| 40°   | 15.2  | 17.4  | 21.8  | 18.1  | 15.5  |
| 42.5° | 6.3   | 9.3   | 11.5  | 9.3   | 6.3   |
| 45°   | 1.5   | 3.7   | 7.0   | 3.7   | 1.1   |
| 47.5° | 0.0   | 0.4   | 3.3   | 0.7   | 0.0   |
| 50°   | 0.0   | 0.0   | 1.1   | 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)