

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: P1313327

Luminaire Tested: P3SQAS09R709730DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R709730DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

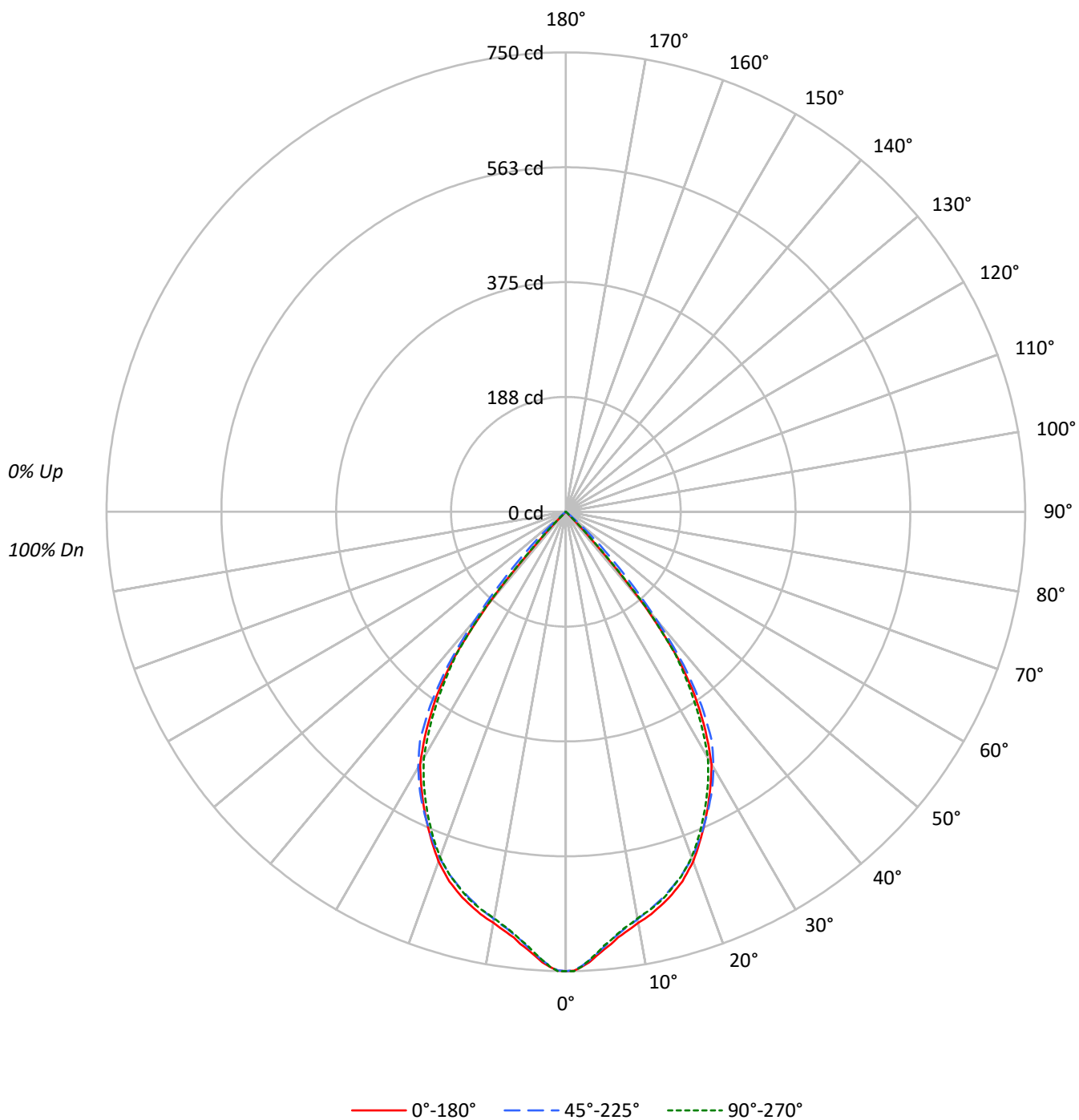
Lumens per Lamp: N/A  
Luminaire Lumens: 776.0 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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   | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  |  | 95  | 92  | 90  |  | 92  |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  |  | 89  | 86  | 83  |  | 87  |
| 4   | 96  | 89  | 83  | 79  | 95  | 88  | 82  | 78  | 85  | 81  | 77  |  | 83  | 79  | 76  |  | 81  |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  |  | 78  | 74  | 71  |  | 77  |
| 6   | 86  | 77  | 71  | 67  | 85  | 76  | 71  | 66  | 75  | 70  | 66  |  | 73  | 69  | 65  |  | 72  |
| 7   | 82  | 72  | 66  | 62  | 80  | 71  | 66  | 61  | 70  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 8   | 78  | 68  | 61  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  |  | 65  | 60  | 57  |  | 64  |
| 9   | 74  | 63  | 57  | 53  | 72  | 63  | 57  | 53  | 62  | 57  | 53  |  | 61  | 56  | 53  |  | 60  |
| 10  | 70  | 60  | 54  | 50  | 69  | 59  | 53  | 50  | 58  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 129184 | 129184 | 129184 |
| 5°  | 124007 | 123316 | 122987 |
| 10° | 119128 | 118096 | 117851 |
| 15° | 116304 | 114663 | 114895 |
| 20° | 111377 | 110295 | 110057 |
| 25° | 103375 | 103622 | 102006 |
| 30° | 94620  | 95913  | 92274  |
| 35° | 77391  | 81134  | 74364  |
| 40° | 44559  | 51934  | 45729  |
| 45° | 633    | 21579  | 2241   |
| 50° | 0      | 2277   | 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: 21579 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 66.9   | 8.6       |
| 10°-20°   | 181.3  | 23.4      |
| 20°-30°   | 249.1  | 32.1      |
| 30°-40°   | 225.9  | 29.1      |
| 40°-50°   | 52.5   | 6.8       |
| 50°-60°   | 0.3    | 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°    | 497.4  | 64.1      |
| 0°-40°    | 723.2  | 93.2      |
| 0°-60°    | 776.0  | 100.0     |
| 0°-90°    | 776.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 776.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 750 | 750   | 750 | 750   | 750 |      |
| 5°  | 717 | 715   | 713 | 712   | 711 | 67   |
| 15° | 652 | 648   | 643 | 643   | 644 | 183  |
| 25° | 544 | 547   | 545 | 540   | 537 | 250  |
| 35° | 368 | 373   | 386 | 370   | 354 | 221  |
| 45° | 3   | 30    | 89  | 38    | 9   | 32   |
| 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°    | 750.1 | 750.1 | 750.1 | 750.1 | 750.1 |
| 1°    | 749.4 | 748.1 | 748.8 | 749.4 | 750.1 |
| 2°    | 743.5 | 742.2 | 742.2 | 742.9 | 742.9 |
| 3°    | 736.3 | 733.7 | 733.7 | 733.0 | 733.0 |
| 4°    | 726.4 | 724.5 | 723.2 | 722.5 | 722.5 |
| 5°    | 717.3 | 715.3 | 713.3 | 712.0 | 711.4 |
| 6°    | 709.4 | 706.1 | 703.5 | 702.8 | 703.5 |
| 7°    | 700.2 | 698.2 | 695.6 | 693.6 | 694.3 |
| 8°    | 693.6 | 691.0 | 687.7 | 686.4 | 686.4 |
| 9°    | 687.7 | 685.1 | 681.8 | 679.2 | 680.5 |
| 10°   | 681.2 | 678.5 | 675.3 | 673.3 | 673.9 |
| 11°   | 676.6 | 673.3 | 669.4 | 668.0 | 668.7 |
| 12°   | 671.3 | 667.4 | 663.4 | 662.8 | 664.1 |
| 13°   | 664.8 | 660.8 | 656.9 | 656.9 | 658.2 |
| 14°   | 658.9 | 654.3 | 650.3 | 650.3 | 652.3 |
| 15°   | 652.3 | 647.7 | 643.1 | 643.1 | 644.4 |
| 17.5° | 632.6 | 628.7 | 624.1 | 624.1 | 624.7 |
| 20°   | 607.7 | 605.7 | 601.8 | 599.8 | 600.5 |
| 22.5° | 576.2 | 576.2 | 574.2 | 570.9 | 569.6 |
| 25°   | 544.0 | 546.6 | 545.3 | 540.1 | 536.8 |
| 27.5° | 510.5 | 515.1 | 515.8 | 507.9 | 502.0 |
| 30°   | 475.8 | 479.7 | 482.3 | 473.1 | 464.0 |
| 32.5° | 424.6 | 436.4 | 443.0 | 430.5 | 411.5 |
| 35°   | 368.1 | 373.4 | 385.9 | 369.5 | 353.7 |
| 37.5° | 299.2 | 305.8 | 316.3 | 303.2 | 294.0 |
| 40°   | 198.2 | 224.4 | 231.0 | 224.4 | 203.4 |
| 42.5° | 71.5  | 126.0 | 151.6 | 128.6 | 84.0  |
| 45°   | 2.6   | 29.5  | 88.6  | 38.1  | 9.2   |
| 47.5° | 0.0   | 0.7   | 40.0  | 1.3   | 0.0   |
| 50°   | 0.0   | 0.0   | 8.5   | 0.0   | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.7   | 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)