

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: P1313328

Luminaire Tested: P3SQAS09R709730DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R709730DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

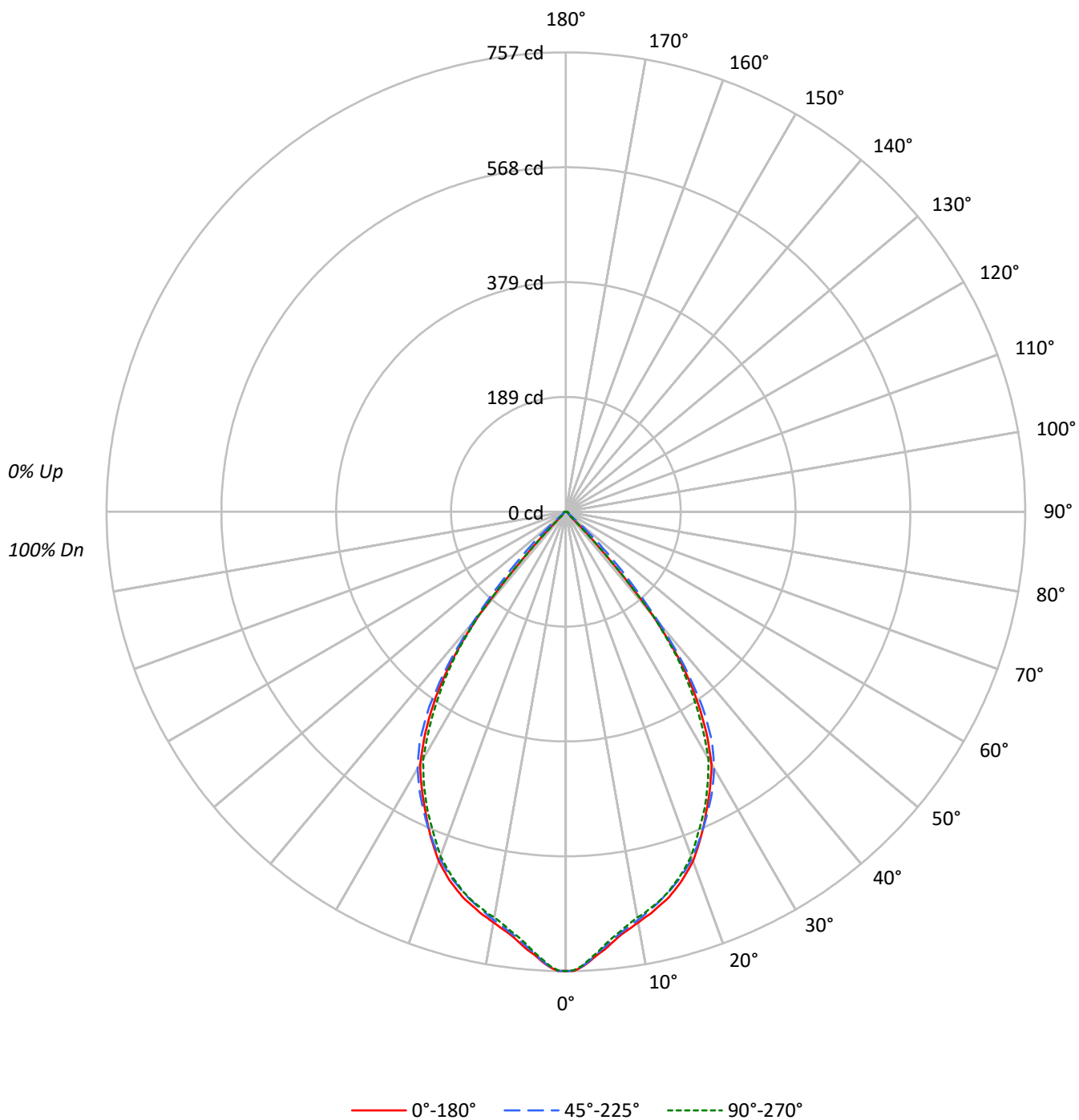
Lumens per Lamp: N/A  
Luminaire Lumens: 807.0 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 91  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 4   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 77  | 84  | 80  | 76  |  | 82  | 78  | 75  |  | 81  |
| 5   | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 69  |  | 76  |
| 6   | 86  | 76  | 70  | 65  | 84  | 75  | 69  | 65  | 74  | 69  | 65  |  | 72  | 68  | 64  |  | 71  |
| 7   | 81  | 71  | 65  | 60  | 80  | 70  | 64  | 60  | 69  | 64  | 60  |  | 68  | 63  | 59  |  | 67  |
| 8   | 77  | 67  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 59  | 56  |  | 64  | 59  | 55  |  | 63  |
| 9   | 73  | 62  | 56  | 52  | 72  | 62  | 56  | 52  | 61  | 56  | 52  |  | 60  | 55  | 52  |  | 59  |
| 10  | 69  | 59  | 53  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 130355 | 130355 | 130355 |
| 5°  | 125287 | 124612 | 124163 |
| 10° | 120195 | 119513 | 118708 |
| 15° | 117177 | 115876 | 115769 |
| 20° | 112275 | 111432 | 110698 |
| 25° | 103945 | 104686 | 102690 |
| 30° | 95475  | 97166  | 93507  |
| 35° | 78737  | 82458  | 75709  |
| 40° | 50135  | 53957  | 50135  |
| 45° | 3507   | 23333  | 3824   |
| 50° | 1581   | 4742   | 1581   |
| 55° | 1772   | 1772   | 1772   |
| 60° | 1791   | 1791   | 1791   |
| 65° | 1589   | 1875   | 1589   |
| 70° | 1662   | 1964   | 1662   |
| 75° | 1730   | 1730   | 1730   |
| 80° | 1984   | 1984   | 1984   |
| 85° | 1383   | 2569   | 1383   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 23333 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 67.5   | 8.4       |
| 10°-20°   | 182.8  | 22.7      |
| 20°-30°   | 251.3  | 31.1      |
| 30°-40°   | 230.2  | 28.5      |
| 40°-50°   | 61.1   | 7.6       |
| 50°-60°   | 5.4    | 0.7       |
| 60°-70°   | 4.4    | 0.5       |
| 70°-80°   | 3.0    | 0.4       |
| 80°-90°   | 1.1    | 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°    | 501.7  | 62.2      |
| 0°-40°    | 731.9  | 90.7      |
| 0°-60°    | 798.5  | 98.9      |
| 0°-90°    | 807.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 807.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 757 | 757   | 757 | 757   | 757 |      |
| 5°  | 725 | 721   | 721 | 720   | 718 | 68   |
| 15° | 657 | 651   | 650 | 650   | 649 | 184  |
| 25° | 547 | 549   | 551 | 544   | 540 | 251  |
| 35° | 374 | 380   | 392 | 374   | 360 | 227  |
| 45° | 14  | 49    | 96  | 50    | 16  | 43   |
| 55° | 6   | 6     | 6   | 6     | 6   | 5    |
| 65° | 4   | 5     | 5   | 5     | 4   | 4    |
| 75° | 3   | 3     | 3   | 3     | 3   | 3    |
| 85° | 1   | 1     | 1   | 1     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 756.9 | 756.9 | 756.9 | 756.9 | 756.9 |
| 1°    | 756.9 | 755.5 | 756.9 | 756.9 | 755.5 |
| 2°    | 750.9 | 749.6 | 750.3 | 749.6 | 749.0 |
| 3°    | 742.4 | 740.5 | 741.1 | 739.8 | 738.5 |
| 4°    | 732.6 | 730.6 | 730.6 | 730.0 | 728.7 |
| 5°    | 724.7 | 721.4 | 720.8 | 719.5 | 718.2 |
| 6°    | 715.5 | 712.3 | 711.6 | 709.6 | 708.3 |
| 7°    | 706.4 | 703.7 | 703.1 | 700.4 | 700.4 |
| 8°    | 699.1 | 695.9 | 695.9 | 692.6 | 692.6 |
| 9°    | 693.2 | 689.3 | 689.3 | 686.7 | 685.4 |
| 10°   | 687.3 | 683.4 | 683.4 | 680.1 | 678.8 |
| 11°   | 681.4 | 678.1 | 676.8 | 674.9 | 674.2 |
| 12°   | 676.2 | 671.6 | 670.3 | 669.6 | 668.3 |
| 13°   | 669.6 | 665.0 | 663.7 | 663.1 | 662.4 |
| 14°   | 663.7 | 657.8 | 657.2 | 655.9 | 656.5 |
| 15°   | 657.2 | 651.3 | 649.9 | 649.9 | 649.3 |
| 17.5° | 636.8 | 632.9 | 630.9 | 629.6 | 628.3 |
| 20°   | 612.6 | 609.3 | 608.0 | 605.4 | 604.0 |
| 22.5° | 581.1 | 580.4 | 579.8 | 576.5 | 571.2 |
| 25°   | 547.0 | 548.9 | 550.9 | 544.4 | 540.4 |
| 27.5° | 514.2 | 519.4 | 521.4 | 514.8 | 506.3 |
| 30°   | 480.1 | 484.7 | 488.6 | 479.4 | 470.2 |
| 32.5° | 430.9 | 442.0 | 447.9 | 437.5 | 416.5 |
| 35°   | 374.5 | 380.4 | 392.2 | 374.5 | 360.1 |
| 37.5° | 308.9 | 312.2 | 321.4 | 309.6 | 299.7 |
| 40°   | 223.0 | 232.8 | 240.0 | 232.8 | 223.0 |
| 42.5° | 100.3 | 140.4 | 158.7 | 148.2 | 104.9 |
| 45°   | 14.4  | 49.2  | 95.8  | 49.8  | 15.7  |
| 47.5° | 5.9   | 7.9   | 49.8  | 7.2   | 5.9   |
| 50°   | 5.9   | 5.9   | 17.7  | 5.9   | 5.9   |
| 52.5° | 5.9   | 5.9   | 6.6   | 5.9   | 5.9   |
| 55°   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 57.5° | 5.2   | 5.2   | 5.9   | 5.2   | 5.2   |
| 60°   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   |
| 62.5° | 4.6   | 5.2   | 5.2   | 5.2   | 4.6   |
| 65°   | 3.9   | 4.6   | 4.6   | 4.6   | 3.9   |
| 67.5° | 3.9   | 3.9   | 3.9   | 3.9   | 3.9   |
| 70°   | 3.3   | 3.9   | 3.9   | 3.9   | 3.3   |
| 72.5° | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   |
| 75°   | 2.6   | 2.6   | 2.6   | 2.6   | 2.6   |
| 77.5° | 2.0   | 2.6   | 2.6   | 2.6   | 2.0   |
| 80°   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 82.5° | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 85°   | 0.7   | 1.3   | 1.3   | 1.3   | 0.7   |
| 87.5° | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |



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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)