

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: P1307924

Luminaire Tested: P3SQAS09R709030DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307924  
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: P3SQAS09R709030DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

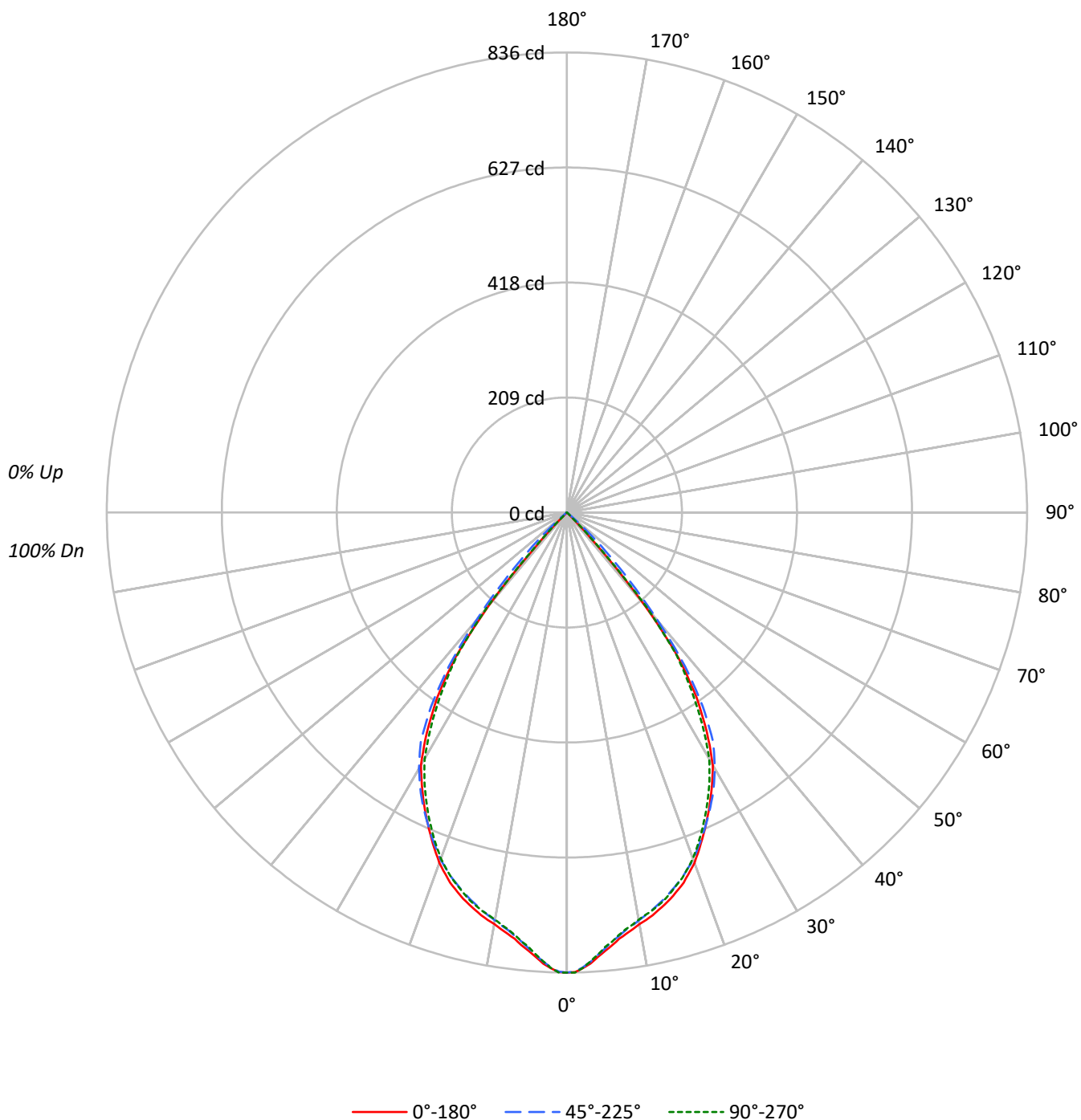
Lumens per Lamp: N/A  
Luminaire Lumens: 865.0 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 143995 | 143995 | 143995 |
| 5°  | 138218 | 137457 | 137077 |
| 10° | 132786 | 131632 | 131369 |
| 15° | 129640 | 127822 | 128071 |
| 20° | 124151 | 122941 | 122666 |
| 25° | 115232 | 115517 | 113712 |
| 30° | 105458 | 106910 | 102853 |
| 35° | 86285  | 90426  | 82900  |
| 40° | 49663  | 57891  | 50989  |
| 45° | 706    | 24064  | 2484   |
| 50° | 0      | 2545   | 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: 24064 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.6   | 8.6       |
| 10°-20°   | 202.1  | 23.4      |
| 20°-30°   | 277.7  | 32.1      |
| 30°-40°   | 251.8  | 29.1      |
| 40°-50°   | 58.5   | 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°    | 554.4  | 64.1      |
| 0°-40°    | 806.2  | 93.2      |
| 0°-60°    | 865.0  | 100.0     |
| 0°-90°    | 865.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 865.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 836 | 836   | 836 | 836   | 836 |      |
| 5°  | 800 | 797   | 795 | 794   | 793 | 75   |
| 15° | 727 | 722   | 717 | 717   | 718 | 204  |
| 25° | 606 | 609   | 608 | 602   | 598 | 278  |
| 35° | 410 | 416   | 430 | 412   | 394 | 247  |
| 45° | 3   | 33    | 99  | 42    | 10  | 35   |
| 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°    | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 |
| 1°    | 835.4 | 833.9 | 834.6 | 835.4 | 836.1 |
| 2°    | 828.8 | 827.3 | 827.3 | 828.1 | 828.1 |
| 3°    | 820.7 | 817.8 | 817.8 | 817.1 | 817.1 |
| 4°    | 809.8 | 807.6 | 806.1 | 805.4 | 805.4 |
| 5°    | 799.5 | 797.3 | 795.1 | 793.7 | 792.9 |
| 6°    | 790.7 | 787.1 | 784.2 | 783.4 | 784.2 |
| 7°    | 780.5 | 778.3 | 775.4 | 773.2 | 773.9 |
| 8°    | 773.2 | 770.3 | 766.6 | 765.1 | 765.1 |
| 9°    | 766.6 | 763.7 | 760.0 | 757.1 | 758.6 |
| 10°   | 759.3 | 756.4 | 752.7 | 750.5 | 751.2 |
| 11°   | 754.2 | 750.5 | 746.1 | 744.7 | 745.4 |
| 12°   | 748.3 | 743.9 | 739.5 | 738.8 | 740.3 |
| 13°   | 741.0 | 736.6 | 732.2 | 732.2 | 733.7 |
| 14°   | 734.4 | 729.3 | 724.9 | 724.9 | 727.1 |
| 15°   | 727.1 | 722.0 | 716.9 | 716.9 | 718.3 |
| 17.5° | 705.2 | 700.8 | 695.7 | 695.7 | 696.4 |
| 20°   | 677.4 | 675.2 | 670.8 | 668.6 | 669.3 |
| 22.5° | 642.3 | 642.3 | 640.1 | 636.4 | 634.9 |
| 25°   | 606.4 | 609.3 | 607.9 | 602.0 | 598.4 |
| 27.5° | 569.1 | 574.2 | 575.0 | 566.2 | 559.6 |
| 30°   | 530.3 | 534.7 | 537.6 | 527.4 | 517.2 |
| 32.5° | 473.3 | 486.4 | 493.8 | 479.9 | 458.6 |
| 35°   | 410.4 | 416.2 | 430.1 | 411.8 | 394.3 |
| 37.5° | 333.6 | 340.9 | 352.6 | 338.0 | 327.7 |
| 40°   | 220.9 | 250.2 | 257.5 | 250.2 | 226.8 |
| 42.5° | 79.7  | 140.4 | 169.0 | 143.4 | 93.6  |
| 45°   | 2.9   | 32.9  | 98.8  | 42.4  | 10.2  |
| 47.5° | 0.0   | 0.7   | 44.6  | 1.5   | 0.0   |
| 50°   | 0.0   | 0.0   | 9.5   | 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)