

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: P1306076

Luminaire Tested: P3SQAS17R309024DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R309024DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

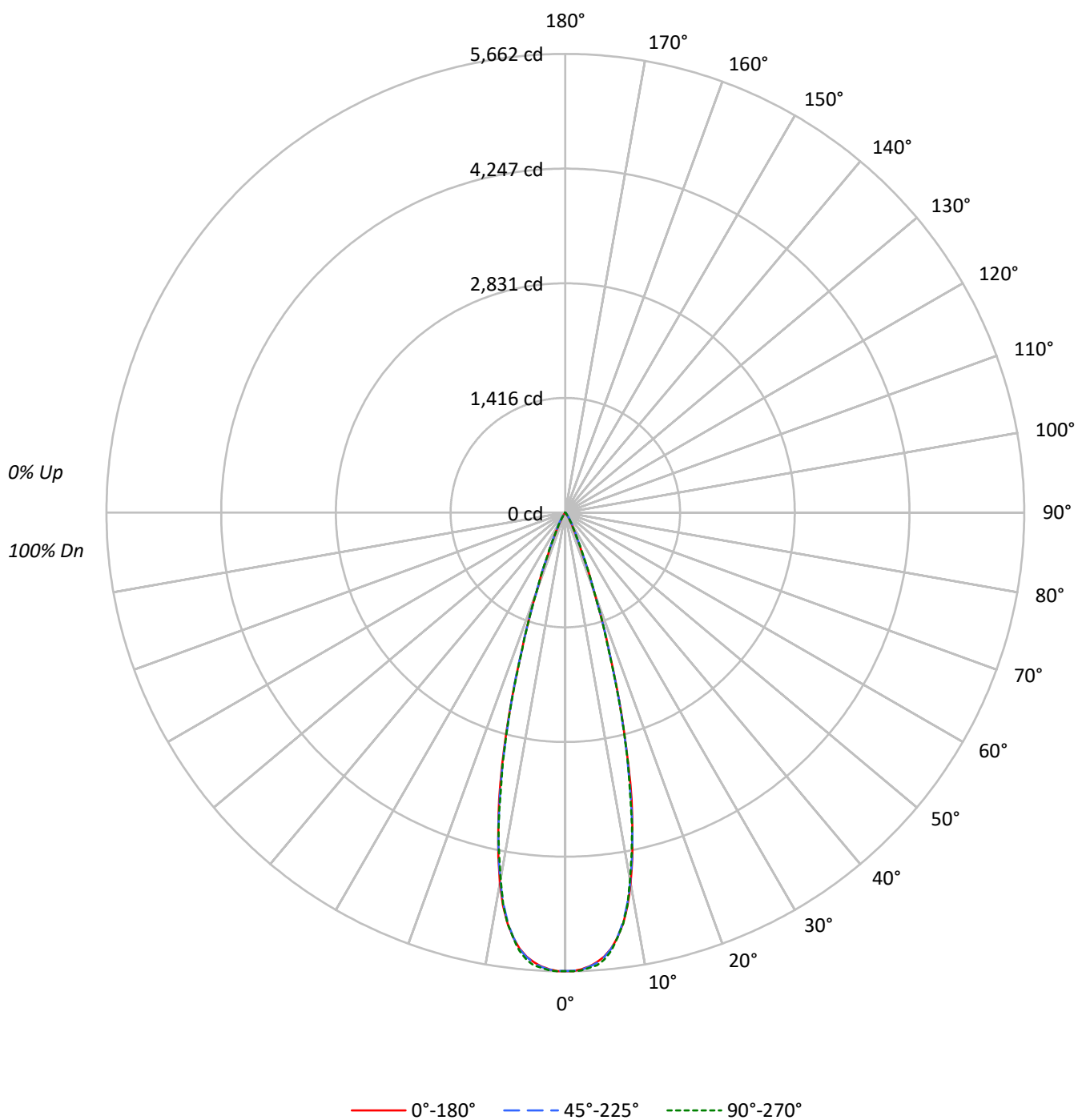
Lumens per Lamp: N/A  
Luminaire Lumens: 1460.0 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 99  | 97  | 96 | 95 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 91  | 90 | 89 |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 87 | 86 |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 86  | 85 | 84 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 85  | 82  | 87  | 84  | 82  | 81  | 80 | 79 |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 78 | 77 |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 76 | 75 |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 75  | 74 | 73 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 974470 | 974470 | 974470 |
| 5°  | 950704 | 951880 | 957187 |
| 10° | 811983 | 808205 | 803431 |
| 15° | 501089 | 495205 | 497023 |
| 20° | 189379 | 190423 | 190203 |
| 25° | 58262  | 63868  | 60847  |
| 30° | 23486  | 29810  | 24381  |
| 35° | 6917   | 12657  | 7169   |
| 40° | 2810   | 5103   | 2810   |
| 45° | 560    | 1656   | 560    |
| 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: 1656 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 499.1  | 34.2      |
| 10°-20°   | 738.9  | 50.6      |
| 20°-30°   | 183.3  | 12.6      |
| 30°-40°   | 34.4   | 2.4       |
| 40°-50°   | 4.3    | 0.3       |
| 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°    | 1421.2 | 97.3      |
| 0°-40°    | 1455.6 | 99.7      |
| 0°-60°    | 1460.0 | 100.0     |
| 0°-90°    | 1460.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1460.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5658 | 5658  | 5658 | 5658  | 5658 |      |
| 5°  | 5499 | 5497  | 5506 | 5515  | 5537 | 499  |
| 15° | 2810 | 2783  | 2777 | 2799  | 2788 | 743  |
| 25° | 307  | 327   | 336  | 335   | 320  | 177  |
| 35° | 33   | 43    | 60   | 44    | 34   | 28   |
| 45° | 2    | 3     | 7    | 4     | 2    | 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°    | 5658.2 | 5658.2 | 5658.2 | 5658.2 | 5658.2 |
| 1°    | 5660.5 | 5655.9 | 5655.9 | 5649.1 | 5661.6 |
| 2°    | 5640.0 | 5635.5 | 5643.4 | 5637.7 | 5653.6 |
| 3°    | 5609.4 | 5603.7 | 5615.0 | 5618.4 | 5626.4 |
| 4°    | 5563.9 | 5559.4 | 5571.9 | 5578.7 | 5600.3 |
| 5°    | 5499.2 | 5496.9 | 5506.0 | 5515.1 | 5536.7 |
| 6°    | 5410.6 | 5407.2 | 5412.9 | 5424.3 | 5437.9 |
| 7°    | 5282.3 | 5275.5 | 5280.1 | 5282.3 | 5285.7 |
| 8°    | 5120.0 | 5109.7 | 5104.1 | 5116.6 | 5123.4 |
| 9°    | 4911.0 | 4899.7 | 4887.2 | 4882.6 | 4898.5 |
| 10°   | 4643.1 | 4626.0 | 4621.5 | 4610.1 | 4594.2 |
| 11°   | 4331.9 | 4318.3 | 4314.9 | 4294.5 | 4285.4 |
| 12°   | 3975.4 | 3968.6 | 3976.5 | 3964.0 | 3959.5 |
| 13°   | 3633.6 | 3590.4 | 3584.8 | 3560.9 | 3548.4 |
| 14°   | 3229.4 | 3189.6 | 3188.5 | 3176.0 | 3193.0 |
| 15°   | 2810.4 | 2783.1 | 2777.4 | 2799.0 | 2787.6 |
| 17.5° | 1791.8 | 1810.0 | 1805.4 | 1794.1 | 1774.8 |
| 20°   | 1033.3 | 1020.8 | 1039.0 | 1043.5 | 1037.8 |
| 22.5° | 550.7  | 555.3  | 558.7  | 572.3  | 581.4  |
| 25°   | 306.6  | 327.0  | 336.1  | 335.0  | 320.2  |
| 27.5° | 190.8  | 203.3  | 220.3  | 208.9  | 196.4  |
| 30°   | 118.1  | 128.3  | 149.9  | 129.4  | 122.6  |
| 32.5° | 63.6   | 80.6   | 96.5   | 80.6   | 65.9   |
| 35°   | 32.9   | 43.1   | 60.2   | 44.3   | 34.1   |
| 37.5° | 21.6   | 25.0   | 38.6   | 25.0   | 21.6   |
| 40°   | 12.5   | 15.9   | 22.7   | 15.9   | 12.5   |
| 42.5° | 5.7    | 9.1    | 12.5   | 9.1    | 5.7    |
| 45°   | 2.3    | 3.4    | 6.8    | 4.5    | 2.3    |
| 47.5° | 0.0    | 1.1    | 3.4    | 1.1    | 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)