

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: P1317764

Luminaire Tested: P3SQAS05R559835DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317764  
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: P3SQAS05R559835DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

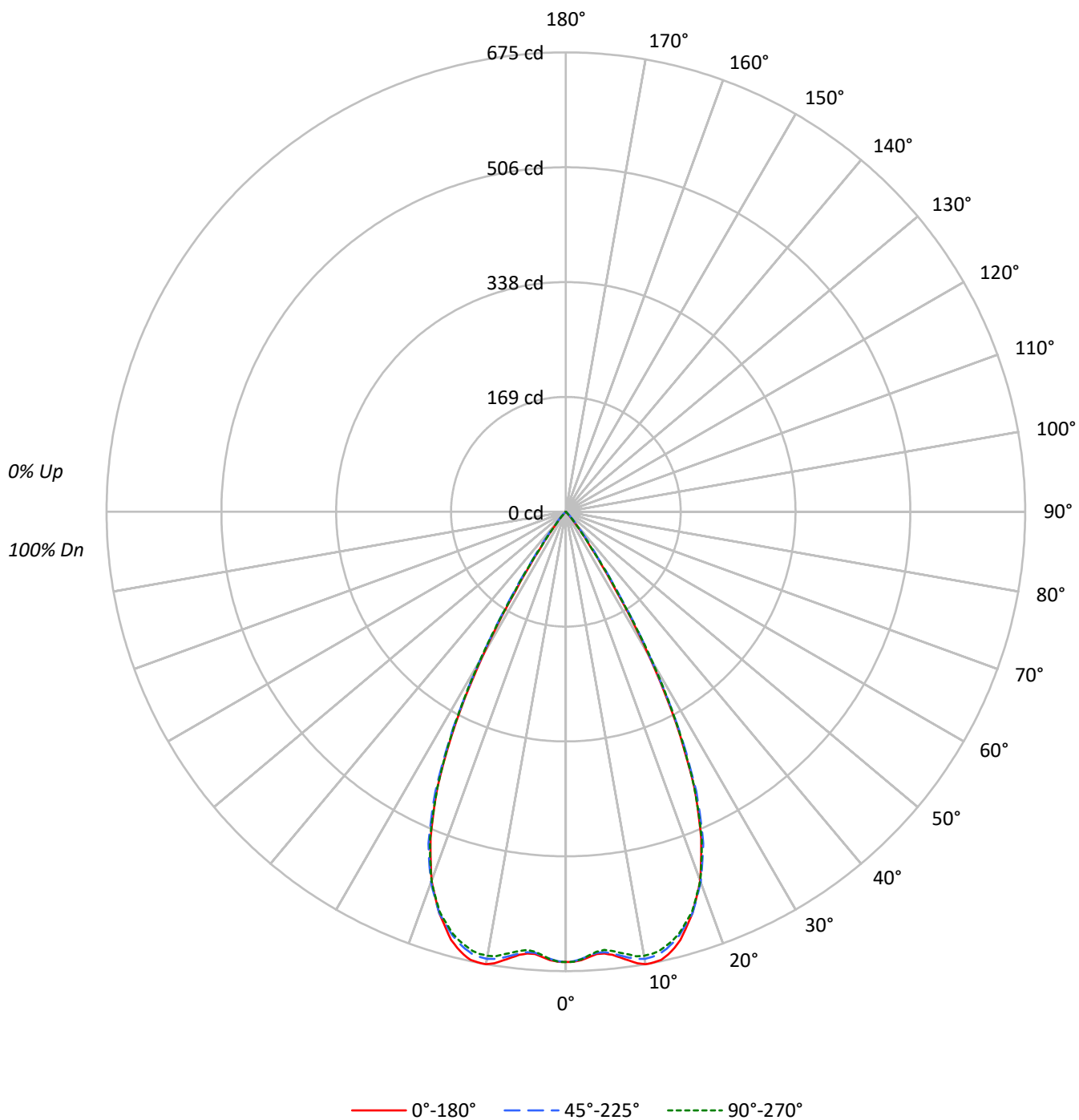
Lumens per Lamp: N/A  
Luminaire Lumens: 503.0 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 91  | 91  | 89  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  | 92  | 90  | 87  | 90  | 88  | 86  | 86  | 86  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 81  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 80  | 77  | 82  | 79  | 77  | 77  | 77  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 73  | 79  | 75  | 73  | 73  | 73  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 72  | 69  | 69  | 69  | 67  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 65  | 65  | 64  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  | 69  | 65  | 62  | 69  | 65  | 62  | 62  | 62  | 61  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 59  | 66  | 62  | 59  | 59  | 59  | 58  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 113942 | 113942 | 113942 |
| 5°  | 112649 | 112303 | 111715 |
| 10° | 118061 | 116645 | 115840 |
| 15° | 116108 | 114860 | 114449 |
| 20° | 105750 | 106190 | 105823 |
| 25° | 84847  | 86158  | 84847  |
| 30° | 48702  | 49935  | 50313  |
| 35° | 13876  | 16736  | 14297  |
| 40° | 3552   | 5126   | 3642   |
| 45° | 365    | 1778   | 292    |
| 50° | 0      | 322    | 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: 1778 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 62.8   | 12.5      |
| 10°-20°   | 179.3  | 35.6      |
| 20°-30°   | 197.4  | 39.3      |
| 30°-40°   | 58.9   | 11.7      |
| 40°-50°   | 4.5    | 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°    | 439.5  | 87.4      |
| 0°-40°    | 498.5  | 99.1      |
| 0°-60°    | 503.0  | 100.0     |
| 0°-90°    | 503.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 503.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 662 | 662   | 662 | 662   | 662 |      |
| 5°  | 652 | 650   | 650 | 647   | 646 | 63   |
| 15° | 651 | 647   | 644 | 642   | 642 | 181  |
| 25° | 446 | 446   | 453 | 453   | 446 | 195  |
| 35° | 66  | 70    | 80  | 73    | 68  | 55   |
| 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°    | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 |
| 1°    | 661.2 | 661.2 | 660.5 | 660.1 | 661.2 |
| 2°    | 659.3 | 659.3 | 657.4 | 657.0 | 658.1 |
| 3°    | 655.1 | 654.7 | 653.1 | 652.0 | 652.7 |
| 4°    | 651.6 | 650.8 | 649.6 | 647.7 | 648.1 |
| 5°    | 651.6 | 650.4 | 649.6 | 646.9 | 646.2 |
| 6°    | 654.7 | 653.9 | 652.3 | 649.6 | 648.9 |
| 7°    | 660.1 | 658.5 | 657.0 | 653.5 | 652.7 |
| 8°    | 665.9 | 664.7 | 661.6 | 658.1 | 656.6 |
| 9°    | 671.7 | 669.0 | 665.1 | 661.6 | 661.2 |
| 10°   | 675.1 | 671.3 | 667.0 | 662.8 | 662.4 |
| 11°   | 674.8 | 671.3 | 666.3 | 662.4 | 662.0 |
| 12°   | 673.2 | 668.2 | 663.9 | 659.3 | 659.7 |
| 13°   | 667.8 | 663.2 | 658.9 | 655.4 | 654.7 |
| 14°   | 660.5 | 656.2 | 652.3 | 648.9 | 649.3 |
| 15°   | 651.2 | 646.6 | 644.2 | 641.5 | 641.9 |
| 17.5° | 618.4 | 617.2 | 618.4 | 615.3 | 616.4 |
| 20°   | 577.0 | 575.9 | 579.4 | 577.8 | 577.4 |
| 22.5° | 519.5 | 521.0 | 527.6 | 525.7 | 522.2 |
| 25°   | 446.5 | 446.5 | 453.4 | 452.7 | 446.5 |
| 27.5° | 351.5 | 354.2 | 358.4 | 360.4 | 355.7 |
| 30°   | 244.9 | 251.1 | 251.1 | 254.9 | 253.0 |
| 32.5° | 136.7 | 149.9 | 152.9 | 154.9 | 147.2 |
| 35°   | 66.0  | 70.3  | 79.6  | 72.6  | 68.0  |
| 37.5° | 31.7  | 33.6  | 42.9  | 34.8  | 32.4  |
| 40°   | 15.8  | 18.2  | 22.8  | 18.9  | 16.2  |
| 42.5° | 6.6   | 9.7   | 12.0  | 9.7   | 6.6   |
| 45°   | 1.5   | 3.9   | 7.3   | 3.9   | 1.2   |
| 47.5° | 0.0   | 0.4   | 3.5   | 0.8   | 0.0   |
| 50°   | 0.0   | 0.0   | 1.2   | 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)