

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: P1315787

Luminaire Tested: P3SQAS02R259827DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315787  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R259827DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

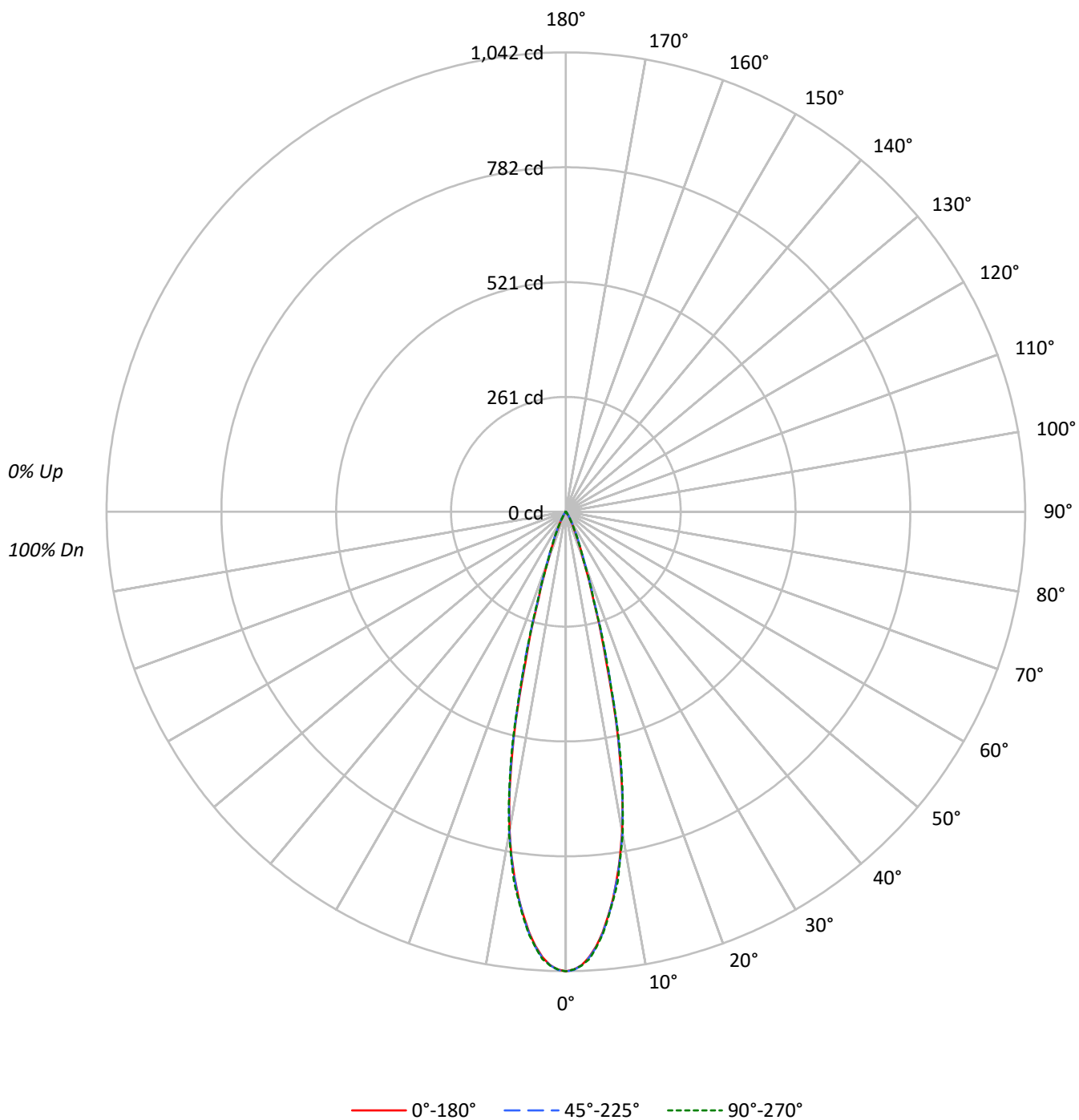
Lumens per Lamp: N/A  
Luminaire Lumens: 217.0 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  |  | 96  | 93  | 91  |  | 94  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 179542 | 179542 | 179542 |
| 5°  | 165550 | 165931 | 166276 |
| 10° | 128536 | 129009 | 129708 |
| 15° | 63528  | 66202  | 66220  |
| 20° | 21388  | 22818  | 21810  |
| 25° | 8855   | 9843   | 9102   |
| 30° | 3480   | 4375   | 3500   |
| 35° | 904    | 1787   | 946    |
| 40° | 337    | 719    | 337    |
| 45° | 49     | 195    | 49     |
| 50° | 0      | 54     | 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: 195 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.5   | 38.9      |
| 10°-20°   | 102.2  | 47.1      |
| 20°-30°   | 24.9   | 11.5      |
| 30°-40°   | 4.9    | 2.2       |
| 40°-50°   | 0.6    | 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       |
| 0°-30°    | 211.6  | 97.5      |
| 0°-40°    | 216.4  | 99.7      |
| 0°-60°    | 217.0  | 100.0     |
| 0°-90°    | 217.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 217.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1042 | 1042  | 1042 | 1042  | 1042 |      |
| 5°  | 958  | 959   | 960  | 964   | 962  | 84   |
| 15° | 356  | 365   | 371  | 375   | 371  | 100  |
| 25° | 47   | 49    | 52   | 50    | 48   | 24   |
| 35° | 4    | 6     | 8    | 6     | 4    | 4    |
| 45° | 0    | 0     | 1    | 0     | 0    | 0    |
| 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°    | 1042.5 | 1042.5 | 1042.5 | 1042.5 | 1042.5 |
| 1°    | 1038.5 | 1039.2 | 1039.3 | 1040.3 | 1038.3 |
| 2°    | 1029.0 | 1029.2 | 1029.7 | 1031.7 | 1029.9 |
| 3°    | 1011.5 | 1012.7 | 1012.9 | 1015.5 | 1016.0 |
| 4°    | 987.7  | 988.4  | 989.7  | 994.2  | 990.2  |
| 5°    | 957.6  | 958.9  | 959.8  | 963.9  | 961.8  |
| 6°    | 920.3  | 920.6  | 922.5  | 927.3  | 924.3  |
| 7°    | 882.3  | 882.2  | 882.3  | 886.2  | 885.3  |
| 8°    | 836.6  | 835.7  | 838.4  | 843.1  | 846.2  |
| 9°    | 788.8  | 790.0  | 791.6  | 796.1  | 792.4  |
| 10°   | 735.0  | 738.2  | 737.7  | 738.0  | 741.7  |
| 11°   | 673.1  | 674.1  | 674.2  | 677.7  | 677.2  |
| 12°   | 600.3  | 600.3  | 605.8  | 611.5  | 609.7  |
| 13°   | 526.9  | 532.1  | 528.4  | 529.6  | 536.9  |
| 14°   | 441.3  | 445.3  | 450.3  | 455.0  | 451.3  |
| 15°   | 356.3  | 364.8  | 371.3  | 374.9  | 371.4  |
| 17.5° | 204.1  | 206.9  | 212.4  | 213.1  | 210.9  |
| 20°   | 116.7  | 120.2  | 124.5  | 123.2  | 119.0  |
| 22.5° | 73.4   | 74.4   | 78.7   | 76.6   | 75.6   |
| 25°   | 46.6   | 49.1   | 51.8   | 49.6   | 47.9   |
| 27.5° | 29.0   | 30.6   | 33.5   | 31.1   | 29.3   |
| 30°   | 17.5   | 19.0   | 22.0   | 18.8   | 17.6   |
| 32.5° | 9.2    | 11.3   | 13.8   | 11.5   | 9.2    |
| 35°   | 4.3    | 6.2    | 8.5    | 6.2    | 4.5    |
| 37.5° | 2.7    | 3.3    | 5.2    | 3.3    | 2.7    |
| 40°   | 1.5    | 2.2    | 3.2    | 2.2    | 1.5    |
| 42.5° | 0.7    | 1.2    | 1.5    | 1.2    | 0.8    |
| 45°   | 0.2    | 0.5    | 0.8    | 0.5    | 0.2    |
| 47.5° | 0.0    | 0.0    | 0.5    | 0.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.2    | 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)