

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: P1309270

Luminaire Tested: P3SQAS17R259035DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309270  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R259035DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

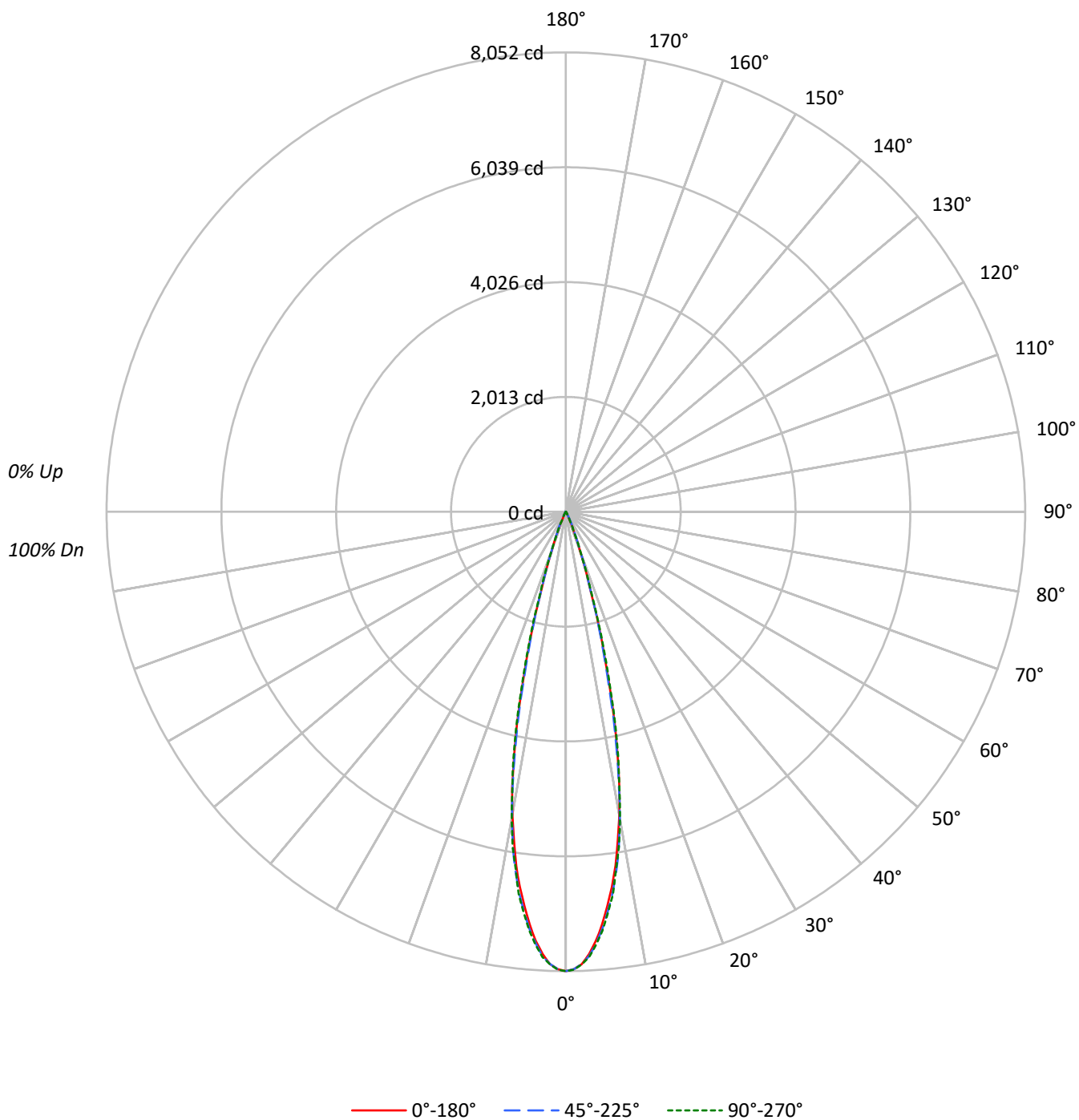
Lumens per Lamp: N/A  
Luminaire Lumens: 1486.0 lumens  
Efficiency: N/A  
Efficacy: 70.1 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1386719 | 1386719 | 1386719 |
| 5°  | 1256651 | 1268096 | 1274285 |
| 10° | 944699  | 951414  | 955821  |
| 15° | 467765  | 453822  | 484061  |
| 20° | 132105  | 134286  | 135752  |
| 25° | 22917   | 43307   | 27193   |
| 30° | 8949    | 9227    | 9486    |
| 35° | 2775    | 3070    | 3070    |
| 40° | 899     | 1192    | 899     |
| 45° | 633     | 317     | 633     |
| 50° | 348     | 0       | 348     |
| 55° | 390     | 0       | 390     |
| 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: 0°

Vertical Angle: 45°

Luminance: 633 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 639.6  | 43.0      |
| 10°-20°   | 721.4  | 48.5      |
| 20°-30°   | 111.9  | 7.5       |
| 30°-40°   | 11.3   | 0.8       |
| 40°-50°   | 1.5    | 0.1       |
| 50°-60°   | 0.2    | 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°    | 1472.9 | 99.1      |
| 0°-40°    | 1484.2 | 99.9      |
| 0°-60°    | 1486.0 | 100.0     |
| 0°-90°    | 1486.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1486.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 8052 | 8052  | 8052 | 8052  | 8052 |      |
| 5°  | 7269 | 7282  | 7335 | 7364  | 7371 | 634  |
| 15° | 2624 | 2605  | 2545 | 2659  | 2715 | 719  |
| 25° | 121  | 179   | 228  | 174   | 143  | 101  |
| 35° | 13   | 15    | 15   | 16    | 15   | 11   |
| 45° | 3    | 1     | 1    | 1     | 3    | 2    |
| 55° | 1    | 0     | 0    | 0     | 1    | 1    |
| 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°    | 8051.9 | 8051.9 | 8051.9 | 8051.9 | 8051.9 |
| 1°    | 8018.8 | 8029.4 | 8017.5 | 8030.7 | 8029.4 |
| 2°    | 7935.3 | 7945.9 | 7931.3 | 7939.3 | 7939.3 |
| 3°    | 7764.4 | 7786.9 | 7800.2 | 7809.4 | 7817.4 |
| 4°    | 7539.2 | 7564.3 | 7584.2 | 7608.1 | 7608.1 |
| 5°    | 7268.9 | 7282.1 | 7335.1 | 7364.3 | 7370.9 |
| 6°    | 6946.9 | 6999.9 | 7039.6 | 7097.9 | 7062.2 |
| 7°    | 6624.9 | 6668.6 | 6724.3 | 6733.6 | 6758.7 |
| 8°    | 6259.2 | 6305.6 | 6357.3 | 6348.0 | 6326.8 |
| 9°    | 5814.0 | 5881.6 | 5942.5 | 5922.7 | 5949.2 |
| 10°   | 5402.0 | 5443.0 | 5440.4 | 5420.5 | 5465.6 |
| 11°   | 4923.6 | 4932.9 | 4881.2 | 4962.1 | 4913.0 |
| 12°   | 4356.5 | 4364.5 | 4298.2 | 4377.7 | 4428.1 |
| 13°   | 3813.3 | 3794.8 | 3703.3 | 3808.0 | 3871.6 |
| 14°   | 3187.9 | 3194.5 | 3077.9 | 3280.7 | 3264.8 |
| 15°   | 2623.5 | 2604.9 | 2545.3 | 2659.2 | 2714.9 |
| 17.5° | 1397.9 | 1409.8 | 1395.2 | 1452.2 | 1488.0 |
| 20°   | 720.8  | 740.7  | 732.7  | 756.6  | 740.7  |
| 22.5° | 373.6  | 401.5  | 409.4  | 390.9  | 340.5  |
| 25°   | 120.6  | 178.9  | 227.9  | 173.6  | 143.1  |
| 27.5° | 72.9   | 71.5   | 111.3  | 76.8   | 78.2   |
| 30°   | 45.0   | 43.7   | 46.4   | 46.4   | 47.7   |
| 32.5° | 25.2   | 26.5   | 25.2   | 27.8   | 26.5   |
| 35°   | 13.2   | 14.6   | 14.6   | 15.9   | 14.6   |
| 37.5° | 7.9    | 9.3    | 9.3    | 9.3    | 7.9    |
| 40°   | 4.0    | 5.3    | 5.3    | 4.0    | 4.0    |
| 42.5° | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 45°   | 2.6    | 1.3    | 1.3    | 1.3    | 2.6    |
| 47.5° | 1.3    | 1.3    | 0.0    | 1.3    | 1.3    |
| 50°   | 1.3    | 1.3    | 0.0    | 1.3    | 1.3    |
| 52.5° | 1.3    | 0.0    | 0.0    | 0.0    | 1.3    |
| 55°   | 1.3    | 0.0    | 0.0    | 0.0    | 1.3    |
| 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)