

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: P1315642

Luminaire Tested: P3SQAS20R259740D010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315642  
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: P3SQAS20R259740D010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

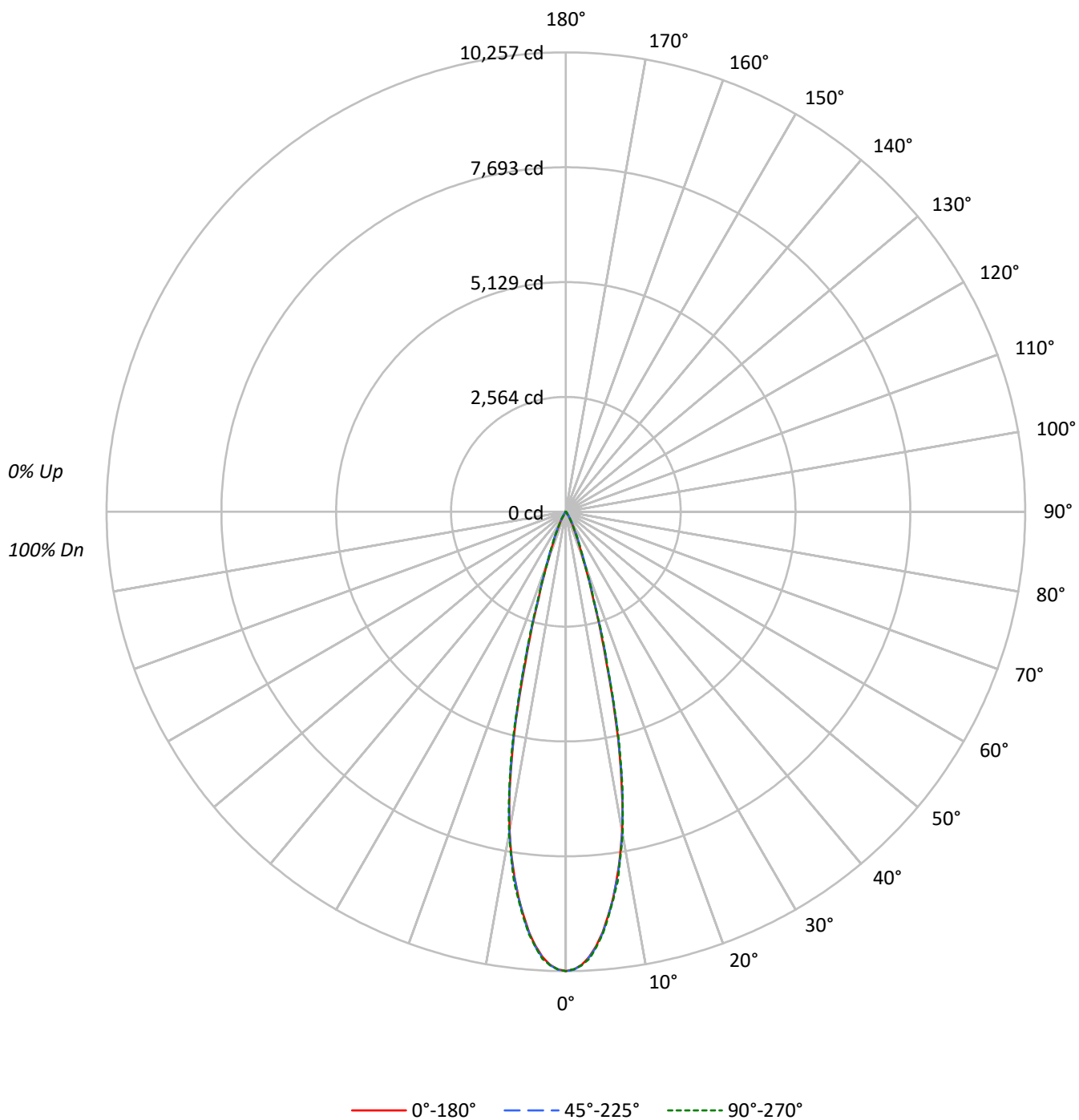
Lumens per Lamp: N/A  
Luminaire Lumens: 2135.0 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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  | 89  |  | 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°  | 1766470 | 1766470 | 1766470 |
| 5°  | 1628794 | 1632476 | 1635882 |
| 10° | 1264658 | 1269240 | 1276113 |
| 15° | 624970  | 651251  | 651554  |
| 20° | 210437  | 224549  | 214634  |
| 25° | 87146   | 96800   | 89636   |
| 30° | 34205   | 42995   | 34523   |
| 35° | 8956    | 17555   | 9293    |
| 40° | 3305    | 6992    | 3305    |
| 45° | 390     | 1997    | 390     |
| 50° | 0       | 429     | 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: 1997 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 831.1  | 38.9      |
| 10°-20°   | 1005.3 | 47.1      |
| 20°-30°   | 245.4  | 11.5      |
| 30°-40°   | 47.7   | 2.2       |
| 40°-50°   | 5.4    | 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°    | 2081.8 | 97.5      |
| 0°-40°    | 2129.5 | 99.7      |
| 0°-60°    | 2135.0 | 100.0     |
| 0°-90°    | 2135.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2135.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 10257 | 10257 | 10257 | 10257 | 10257 |      |
| 5°  | 9422  | 9435  | 9443  | 9484  | 9462  | 829  |
| 15° | 3505  | 3589  | 3653  | 3689  | 3654  | 987  |
| 25° | 459   | 483   | 509   | 488   | 472   | 233  |
| 35° | 43    | 61    | 84    | 61    | 44    | 38   |
| 45° | 2     | 5     | 8     | 5     | 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°    | 10256.9 | 10256.9 | 10256.9 | 10256.9 | 10256.9 |
| 1°    | 10217.6 | 10224.1 | 10225.8 | 10235.6 | 10215.9 |
| 2°    | 10124.2 | 10125.9 | 10130.8 | 10150.4 | 10132.4 |
| 3°    | 9952.2  | 9963.7  | 9965.3  | 9991.5  | 9996.5  |
| 4°    | 9718.0  | 9724.6  | 9737.7  | 9781.9  | 9742.6  |
| 5°    | 9421.5  | 9434.6  | 9442.8  | 9483.8  | 9462.5  |
| 6°    | 9054.6  | 9057.9  | 9075.9  | 9123.4  | 9093.9  |
| 7°    | 8681.2  | 8679.5  | 8681.2  | 8718.8  | 8710.7  |
| 8°    | 8230.7  | 8222.5  | 8248.8  | 8294.6  | 8325.7  |
| 9°    | 7760.6  | 7772.1  | 7788.5  | 7832.7  | 7796.7  |
| 10°   | 7231.6  | 7262.7  | 7257.8  | 7261.1  | 7297.1  |
| 11°   | 6622.3  | 6632.1  | 6633.7  | 6668.1  | 6663.2  |
| 12°   | 5906.5  | 5906.5  | 5960.5  | 6016.2  | 5998.2  |
| 13°   | 5184.1  | 5234.9  | 5198.9  | 5210.3  | 5282.4  |
| 14°   | 4342.2  | 4381.5  | 4430.7  | 4476.5  | 4440.5  |
| 15°   | 3505.2  | 3588.8  | 3652.6  | 3688.7  | 3654.3  |
| 17.5° | 2008.1  | 2036.0  | 2090.0  | 2096.6  | 2075.3  |
| 20°   | 1148.2  | 1182.6  | 1225.2  | 1212.1  | 1171.1  |
| 22.5° | 722.3   | 732.2   | 774.8   | 753.5   | 743.6   |
| 25°   | 458.6   | 483.2   | 509.4   | 488.1   | 471.7   |
| 27.5° | 285.0   | 301.4   | 329.2   | 306.3   | 288.3   |
| 30°   | 172.0   | 186.7   | 216.2   | 185.1   | 173.6   |
| 32.5° | 90.1    | 111.4   | 136.0   | 113.0   | 90.1    |
| 35°   | 42.6    | 60.6    | 83.5    | 60.6    | 44.2    |
| 37.5° | 26.2    | 32.8    | 50.8    | 32.8    | 26.2    |
| 40°   | 14.7    | 21.3    | 31.1    | 21.3    | 14.7    |
| 42.5° | 6.6     | 11.5    | 14.7    | 11.5    | 8.2     |
| 45°   | 1.6     | 4.9     | 8.2     | 4.9     | 1.6     |
| 47.5° | 0.0     | 0.0     | 4.9     | 1.6     | 0.0     |
| 50°   | 0.0     | 0.0     | 1.6     | 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)