

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: P1317398

Luminaire Tested: P3SQAS20R259830D010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317398  
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: P3SQAS20R259830D010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

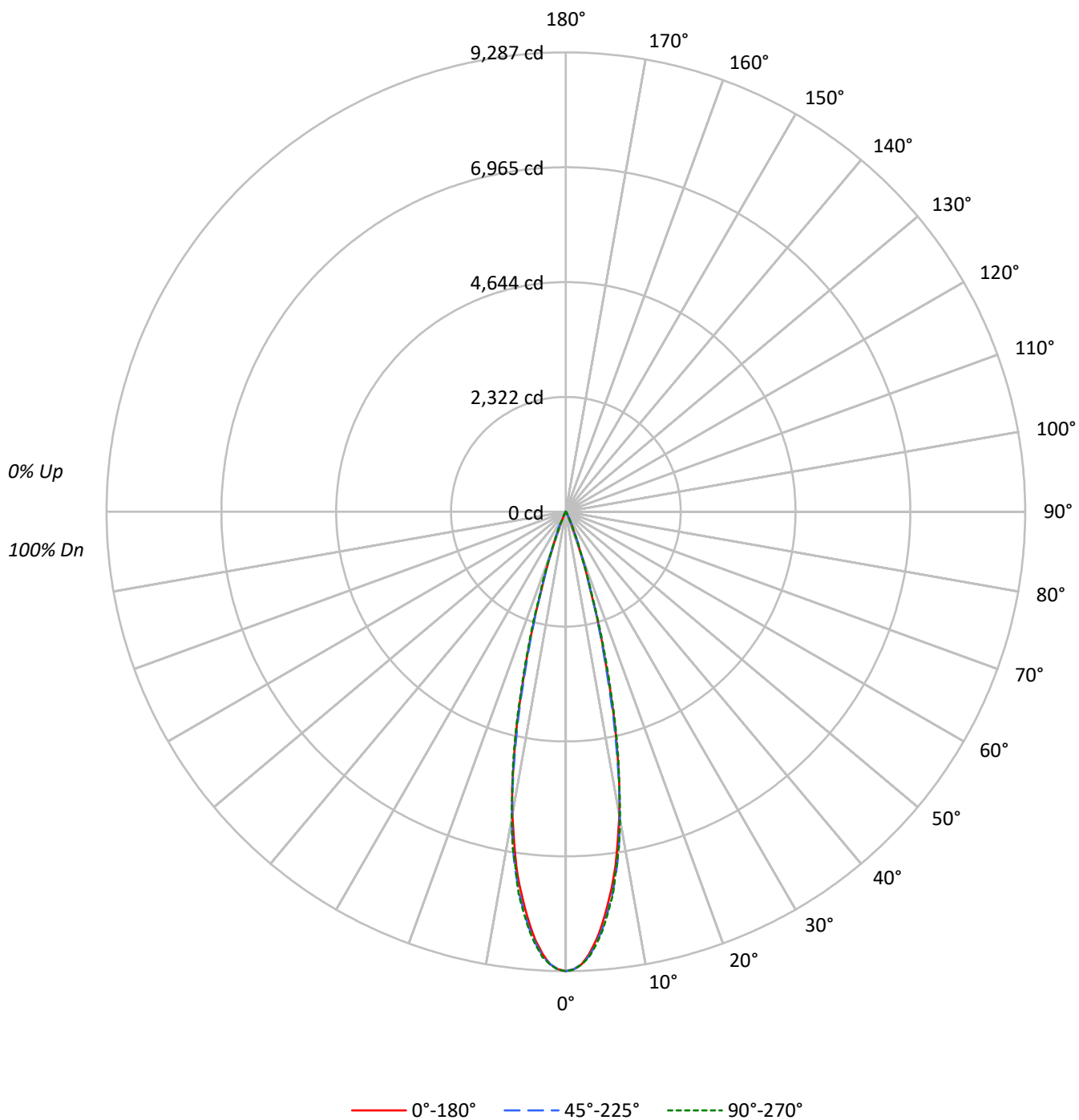
Lumens per Lamp: N/A  
Luminaire Lumens: 1714.0 lumens  
Efficiency: N/A  
Efficacy: 62.6 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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°  | 1599483 | 1599483 | 1599483 |
| 5°  | 1449447 | 1462655 | 1469795 |
| 10° | 1089639 | 1097386 | 1102458 |
| 15° | 539530  | 523447  | 558322  |
| 20° | 152375  | 154886  | 156572  |
| 25° | 26433   | 49958   | 31373   |
| 30° | 10341   | 10639   | 10938   |
| 35° | 3217    | 3532    | 3532    |
| 40° | 1034    | 1371    | 1034    |
| 45° | 755     | 365     | 755     |
| 50° | 402     | 0       | 402     |
| 55° | 450     | 0       | 450     |
| 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: 755 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 737.8  | 43.0      |
| 10°-20°   | 832.0  | 48.5      |
| 20°-30°   | 129.1  | 7.5       |
| 30°-40°   | 13.1   | 0.8       |
| 40°-50°   | 1.8    | 0.1       |
| 50°-60°   | 0.3    | 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°    | 1698.9 | 99.1      |
| 0°-40°    | 1711.9 | 99.9      |
| 0°-60°    | 1714.0 | 100.0     |
| 0°-90°    | 1714.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1714.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 9287 | 9287  | 9287 | 9287  | 9287 |      |
| 5°  | 8384 | 8399  | 8460 | 8494  | 8502 | 731  |
| 15° | 3026 | 3005  | 2936 | 3067  | 3131 | 829  |
| 25° | 139  | 206   | 263  | 200   | 165  | 117  |
| 35° | 15   | 17    | 17   | 18    | 17   | 12   |
| 45° | 3    | 2     | 2    | 2     | 3    | 2    |
| 55° | 2    | 0     | 0    | 0     | 2    | 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°    | 9287.3 | 9287.3 | 9287.3 | 9287.3 | 9287.3 |
| 1°    | 9249.1 | 9261.4 | 9247.6 | 9262.9 | 9261.4 |
| 2°    | 9152.9 | 9165.1 | 9148.3 | 9157.4 | 9157.4 |
| 3°    | 8955.7 | 8981.7 | 8997.0 | 9007.7 | 9016.8 |
| 4°    | 8695.9 | 8724.9 | 8747.9 | 8775.4 | 8775.4 |
| 5°    | 8384.1 | 8399.4 | 8460.5 | 8494.2 | 8501.8 |
| 6°    | 8012.8 | 8073.9 | 8119.7 | 8187.0 | 8145.7 |
| 7°    | 7641.4 | 7691.8 | 7756.0 | 7766.7 | 7795.7 |
| 8°    | 7219.6 | 7273.1 | 7332.7 | 7322.0 | 7297.5 |
| 9°    | 6706.1 | 6784.0 | 6854.3 | 6831.4 | 6862.0 |
| 10°   | 6230.8 | 6278.2 | 6275.1 | 6252.2 | 6304.1 |
| 11°   | 5679.1 | 5689.8 | 5630.2 | 5723.4 | 5666.9 |
| 12°   | 5025.0 | 5034.1 | 4957.7 | 5049.4 | 5107.5 |
| 13°   | 4398.4 | 4377.0 | 4271.5 | 4392.3 | 4465.6 |
| 14°   | 3677.0 | 3684.7 | 3550.2 | 3784.0 | 3765.7 |
| 15°   | 3026.0 | 3004.6 | 2935.8 | 3067.3 | 3131.4 |
| 17.5° | 1612.3 | 1626.1 | 1609.3 | 1675.0 | 1716.3 |
| 20°   | 831.4  | 854.3  | 845.1  | 872.6  | 854.3  |
| 22.5° | 431.0  | 463.1  | 472.2  | 450.8  | 392.8  |
| 25°   | 139.1  | 206.3  | 262.9  | 200.2  | 165.1  |
| 27.5° | 84.1   | 82.5   | 128.4  | 88.6   | 90.2   |
| 30°   | 52.0   | 50.4   | 53.5   | 53.5   | 55.0   |
| 32.5° | 29.0   | 30.6   | 29.0   | 32.1   | 30.6   |
| 35°   | 15.3   | 16.8   | 16.8   | 18.3   | 16.8   |
| 37.5° | 9.2    | 10.7   | 10.7   | 10.7   | 9.2    |
| 40°   | 4.6    | 6.1    | 6.1    | 4.6    | 4.6    |
| 42.5° | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    |
| 45°   | 3.1    | 1.5    | 1.5    | 1.5    | 3.1    |
| 47.5° | 1.5    | 1.5    | 0.0    | 1.5    | 1.5    |
| 50°   | 1.5    | 1.5    | 0.0    | 1.5    | 1.5    |
| 52.5° | 1.5    | 0.0    | 0.0    | 0.0    | 1.5    |
| 55°   | 1.5    | 0.0    | 0.0    | 0.0    | 1.5    |
| 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)