

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: P1305906

Luminaire Tested: P3SQAS13R259024DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305906  
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: P3SQAS13R259024DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

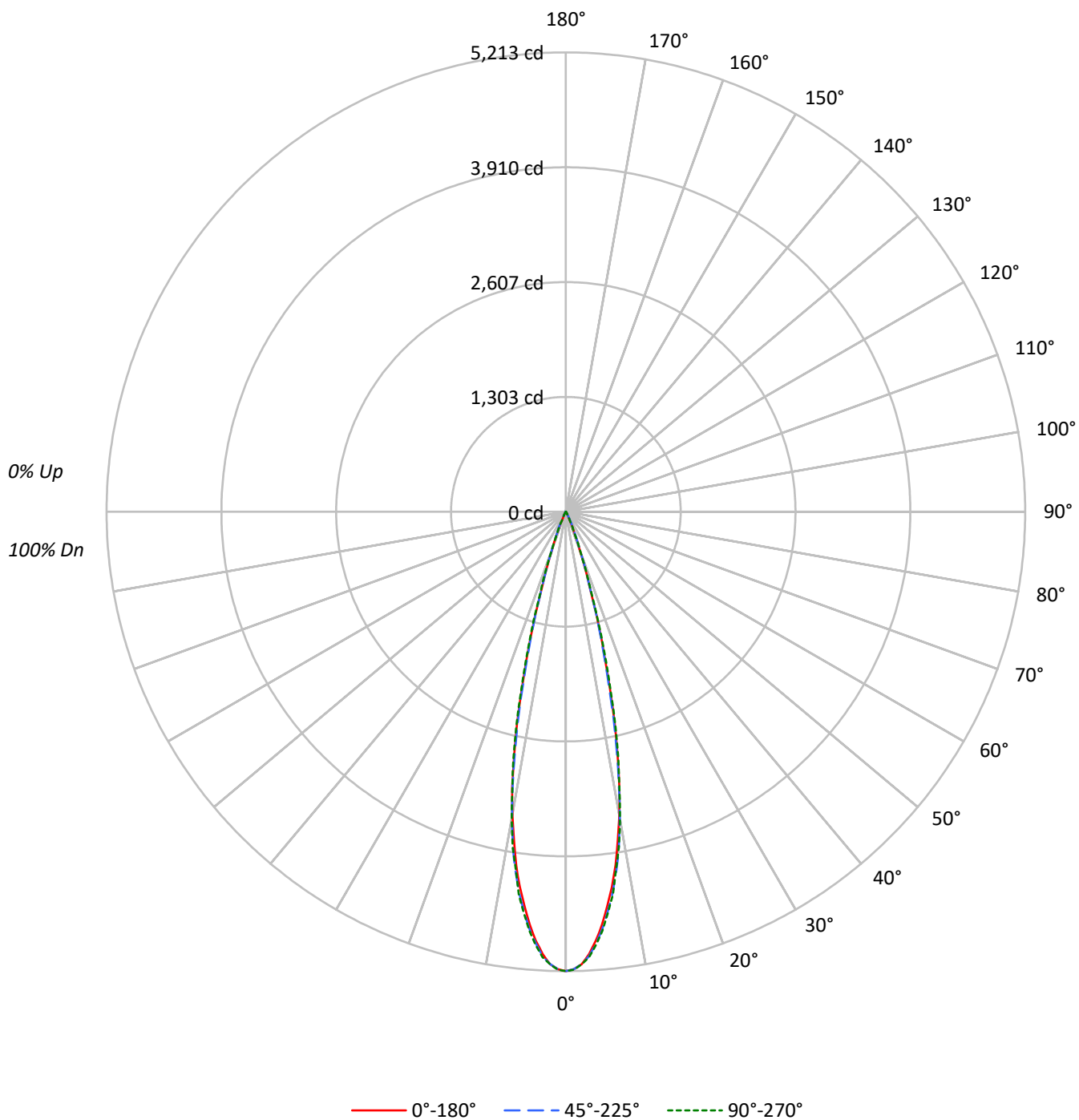
Lumens per Lamp: N/A  
Luminaire Lumens: 962.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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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CATALOG NUMBER: P3SQAS13R259024DE010 E3SQPH1MW

### 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°  | 897728 | 897728 | 897728 |
| 5°  | 813524 | 820940 | 824934 |
| 10° | 611571 | 615925 | 618776 |
| 15° | 302821 | 293799 | 313377 |
| 20° | 85516  | 86928  | 87881  |
| 25° | 14841  | 28029  | 17596  |
| 30° | 5807   | 5966   | 6145   |
| 35° | 1808   | 1976   | 1976   |
| 40° | 585    | 764    | 585    |
| 45° | 414    | 219    | 414    |
| 50° | 241    | 0      | 241    |
| 55° | 270    | 0      | 270    |
| 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: 414 cd/sqm

TEST NUMBER: P1305906

CATALOG NUMBER: P3SQAS13R259024DE010 E3SQPH1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 414.1  | 43.0      |
| 10°-20°   | 467.0  | 48.5      |
| 20°-30°   | 72.4   | 7.5       |
| 30°-40°   | 7.3    | 0.8       |
| 40°-50°   | 1.0    | 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       |
| 0°-30°    | 953.5  | 99.1      |
| 0°-40°    | 960.8  | 99.9      |
| 0°-60°    | 962.0  | 100.0     |
| 0°-90°    | 962.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 962.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5213 | 5213  | 5213 | 5213  | 5213 |      |
| 5°  | 4706 | 4714  | 4749 | 4767  | 4772 | 410  |
| 15° | 1698 | 1686  | 1648 | 1722  | 1758 | 465  |
| 25° | 78   | 116   | 148  | 112   | 93   | 65   |
| 35° | 9    | 9     | 9    | 10    | 9    | 7    |
| 45° | 2    | 1     | 1    | 1     | 2    | 1    |
| 55° | 1    | 0     | 0    | 0     | 1    | 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    | 0    |

TEST NUMBER: P1305906

CATALOG NUMBER: P3SQAS13R259024DE010 E3SQPH1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 5212.6 | 5212.6 | 5212.6 | 5212.6 | 5212.6 |
| 1°    | 5191.2 | 5198.0 | 5190.3 | 5198.9 | 5198.0 |
| 2°    | 5137.1 | 5144.0 | 5134.6 | 5139.7 | 5139.7 |
| 3°    | 5026.5 | 5041.1 | 5049.6 | 5055.6 | 5060.8 |
| 4°    | 4880.7 | 4897.0 | 4909.8 | 4925.3 | 4925.3 |
| 5°    | 4705.7 | 4714.3 | 4748.6 | 4767.4 | 4771.7 |
| 6°    | 4497.2 | 4531.6 | 4557.3 | 4595.0 | 4571.9 |
| 7°    | 4288.8 | 4317.1 | 4353.1 | 4359.1 | 4375.4 |
| 8°    | 4052.1 | 4082.1 | 4115.5 | 4109.5 | 4095.8 |
| 9°    | 3763.9 | 3807.6 | 3847.1 | 3834.2 | 3851.3 |
| 10°   | 3497.1 | 3523.7 | 3522.0 | 3509.1 | 3538.3 |
| 11°   | 3187.4 | 3193.4 | 3160.0 | 3212.3 | 3180.6 |
| 12°   | 2820.3 | 2825.5 | 2782.6 | 2834.0 | 2866.6 |
| 13°   | 2468.6 | 2456.6 | 2397.4 | 2465.2 | 2506.4 |
| 14°   | 2063.8 | 2068.1 | 1992.6 | 2123.8 | 2113.5 |
| 15°   | 1698.4 | 1686.4 | 1647.8 | 1721.5 | 1757.6 |
| 17.5° | 904.9  | 912.7  | 903.2  | 940.1  | 963.3  |
| 20°   | 466.6  | 479.5  | 474.3  | 489.8  | 479.5  |
| 22.5° | 241.9  | 259.9  | 265.0  | 253.0  | 220.4  |
| 25°   | 78.1   | 115.8  | 147.5  | 112.4  | 92.6   |
| 27.5° | 47.2   | 46.3   | 72.1   | 49.8   | 50.6   |
| 30°   | 29.2   | 28.3   | 30.0   | 30.0   | 30.9   |
| 32.5° | 16.3   | 17.2   | 16.3   | 18.0   | 17.2   |
| 35°   | 8.6    | 9.4    | 9.4    | 10.3   | 9.4    |
| 37.5° | 5.1    | 6.0    | 6.0    | 6.0    | 5.1    |
| 40°   | 2.6    | 3.4    | 3.4    | 2.6    | 2.6    |
| 42.5° | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    |
| 45°   | 1.7    | 0.9    | 0.9    | 0.9    | 1.7    |
| 47.5° | 0.9    | 0.9    | 0.0    | 0.9    | 0.9    |
| 50°   | 0.9    | 0.9    | 0.0    | 0.9    | 0.9    |
| 52.5° | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 55°   | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 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)