

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: P1311969

Luminaire Tested: P3SQAS02R359727DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311969  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R359727DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

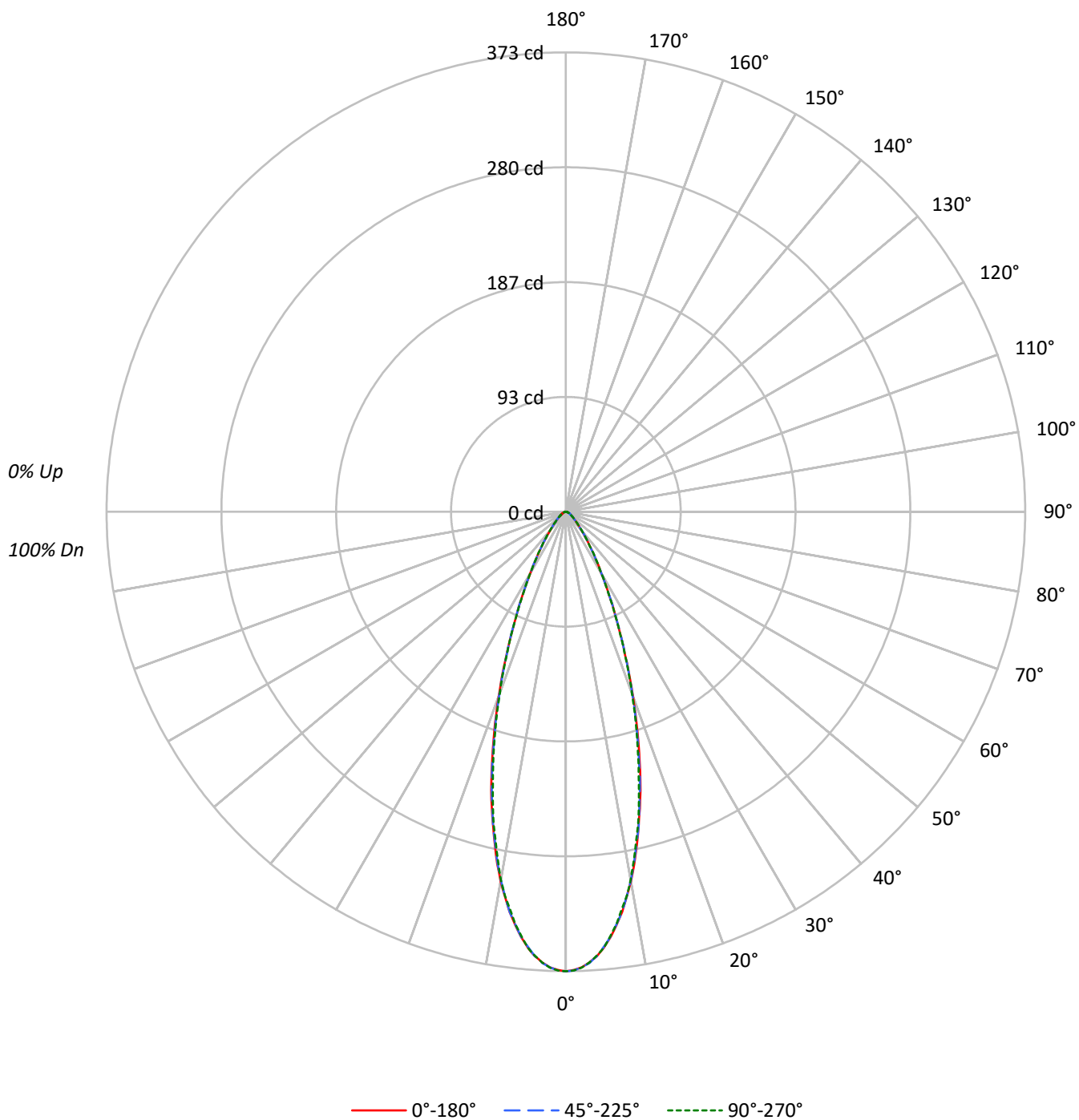
Lumens per Lamp: N/A  
Luminaire Lumens: 184.0 lumens  
Efficiency: N/A  
Efficacy: 51.1 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 64256 | 64256 | 64256 |
| 5°  | 61407 | 61286 | 61407 |
| 10° | 53303 | 53128 | 53058 |
| 15° | 41775 | 41436 | 40795 |
| 20° | 29214 | 28958 | 28774 |
| 25° | 18566 | 18680 | 18566 |
| 30° | 11435 | 11514 | 11435 |
| 35° | 7064  | 7106  | 7106  |
| 40° | 4496  | 4541  | 4541  |
| 45° | 3020  | 3069  | 3118  |
| 50° | 2197  | 2251  | 2251  |
| 55° | 1711  | 1711  | 1711  |
| 60° | 1412  | 1412  | 1412  |
| 65° | 1263  | 1263  | 1263  |
| 70° | 1108  | 1108  | 1108  |
| 75° | 932   | 932   | 932   |
| 80° | 793   | 793   | 793   |
| 85° | 395   | 395   | 790   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3118 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 32.2   | 17.5      |
| 10°-20°   | 63.5   | 34.5      |
| 20°-30°   | 45.8   | 24.9      |
| 30°-40°   | 22.1   | 12.0      |
| 40°-50°   | 10.2   | 5.5       |
| 50°-60°   | 5.3    | 2.9       |
| 60°-70°   | 3.1    | 1.7       |
| 70°-80°   | 1.5    | 0.8       |
| 80°-90°   | 0.4    | 0.2       |
| 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°    | 141.5  | 76.9      |
| 0°-40°    | 163.6  | 88.9      |
| 0°-60°    | 179.0  | 97.3      |
| 0°-90°    | 184.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 184.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 373 | 373   | 373 | 373   | 373 |      |
| 5°  | 355 | 356   | 354 | 355   | 355 | 32   |
| 15° | 234 | 234   | 232 | 231   | 229 | 64   |
| 25° | 98  | 98    | 98  | 98    | 98  | 46   |
| 35° | 34  | 34    | 34  | 34    | 34  | 22   |
| 45° | 12  | 13    | 13  | 13    | 13  | 10   |
| 55° | 6   | 6     | 6   | 6     | 6   | 5    |
| 65° | 3   | 3     | 3   | 3     | 3   | 3    |
| 75° | 1   | 1     | 1   | 1     | 1   | 2    |
| 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°    | 373.1 | 373.1 | 373.1 | 373.1 | 373.1 |
| 1°    | 372.1 | 372.7 | 372.5 | 372.7 | 372.5 |
| 2°    | 370.2 | 370.6 | 370.2 | 370.4 | 370.4 |
| 3°    | 366.4 | 366.8 | 366.8 | 366.6 | 366.4 |
| 4°    | 361.7 | 362.7 | 361.7 | 361.9 | 361.3 |
| 5°    | 355.2 | 356.0 | 354.5 | 354.7 | 355.2 |
| 6°    | 347.2 | 347.4 | 347.0 | 346.8 | 346.4 |
| 7°    | 338.0 | 338.8 | 337.4 | 337.6 | 337.2 |
| 8°    | 328.2 | 328.0 | 328.0 | 327.2 | 326.0 |
| 9°    | 316.4 | 317.2 | 316.0 | 315.6 | 315.8 |
| 10°   | 304.8 | 304.8 | 303.8 | 302.8 | 303.4 |
| 11°   | 291.5 | 291.1 | 290.5 | 289.1 | 288.7 |
| 12°   | 277.1 | 277.9 | 276.0 | 275.4 | 274.0 |
| 13°   | 262.2 | 263.4 | 262.6 | 260.4 | 260.6 |
| 14°   | 248.3 | 247.5 | 246.9 | 246.5 | 245.1 |
| 15°   | 234.3 | 233.8 | 232.4 | 231.4 | 228.8 |
| 17.5° | 195.7 | 196.1 | 193.5 | 193.1 | 192.1 |
| 20°   | 159.4 | 158.2 | 158.0 | 158.2 | 157.0 |
| 22.5° | 125.8 | 127.0 | 125.6 | 125.8 | 125.0 |
| 25°   | 97.7  | 97.9  | 98.3  | 98.3  | 97.7  |
| 27.5° | 75.8  | 75.8  | 75.4  | 75.8  | 75.2  |
| 30°   | 57.5  | 57.5  | 57.9  | 58.3  | 57.5  |
| 32.5° | 44.4  | 44.4  | 44.4  | 44.6  | 44.9  |
| 35°   | 33.6  | 33.6  | 33.8  | 33.8  | 33.8  |
| 37.5° | 25.9  | 26.1  | 26.3  | 26.3  | 26.3  |
| 40°   | 20.0  | 20.2  | 20.2  | 20.4  | 20.2  |
| 42.5° | 15.9  | 15.9  | 15.9  | 16.1  | 16.1  |
| 45°   | 12.4  | 12.6  | 12.6  | 12.8  | 12.8  |
| 47.5° | 10.2  | 10.2  | 10.2  | 10.4  | 10.4  |
| 50°   | 8.2   | 8.4   | 8.4   | 8.4   | 8.4   |
| 52.5° | 6.7   | 6.7   | 6.9   | 6.9   | 6.9   |
| 55°   | 5.7   | 5.7   | 5.7   | 5.7   | 5.7   |
| 57.5° | 4.7   | 4.9   | 4.9   | 4.9   | 4.9   |
| 60°   | 4.1   | 4.1   | 4.1   | 4.1   | 4.1   |
| 62.5° | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 65°   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   |
| 67.5° | 2.4   | 2.7   | 2.7   | 2.7   | 2.7   |
| 70°   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   |
| 72.5° | 1.6   | 1.8   | 1.8   | 1.8   | 1.8   |
| 75°   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 77.5° | 1.2   | 1.0   | 1.0   | 1.0   | 1.2   |
| 80°   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   |
| 82.5° | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   |



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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)