

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: P1312907

Luminaire Tested: P3SQAS02R259730DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312907  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R259730DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

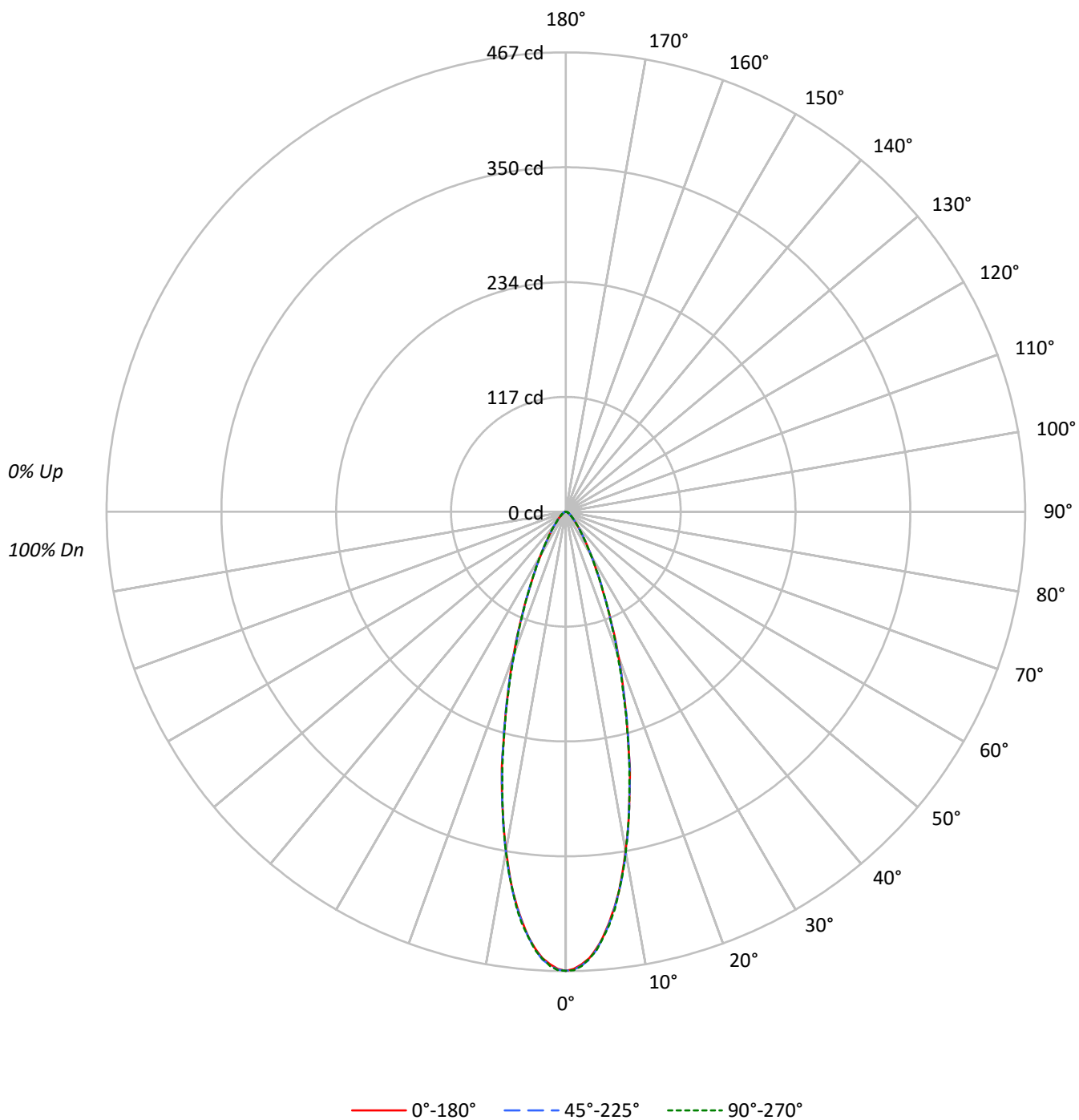
Lumens per Lamp: N/A  
Luminaire Lumens: 187.0 lumens  
Efficiency: N/A  
Efficacy: 51.9 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 93  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 85  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  |  | 79  | 76  | 73  |  | 78  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 72  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 69  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 80376 | 80376 | 80376 |
| 5°  | 75030 | 75099 | 75134 |
| 10° | 61190 | 61383 | 61383 |
| 15° | 43701 | 43933 | 43701 |
| 20° | 28609 | 28316 | 27931 |
| 25° | 17007 | 17083 | 17007 |
| 30° | 10242 | 10242 | 10202 |
| 35° | 6244  | 6286  | 6244  |
| 40° | 3979  | 4024  | 4024  |
| 45° | 2777  | 2777  | 2777  |
| 50° | 1983  | 2036  | 2036  |
| 55° | 1561  | 1561  | 1651  |
| 60° | 1274  | 1343  | 1343  |
| 65° | 1141  | 1141  | 1141  |
| 70° | 1007  | 1007  | 1108  |
| 75° | 865   | 865   | 998   |
| 80° | 893   | 893   | 893   |
| 85° | 395   | 395   | 395   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2777 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 38.8   | 20.7      |
| 10°-20°   | 67.6   | 36.2      |
| 20°-30°   | 42.5   | 22.7      |
| 30°-40°   | 19.4   | 10.4      |
| 40°-50°   | 9.1    | 4.9       |
| 50°-60°   | 4.9    | 2.6       |
| 60°-70°   | 2.9    | 1.5       |
| 70°-80°   | 1.5    | 0.8       |
| 80°-90°   | 0.3    | 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       |
| 0°-30°    | 148.9  | 79.6      |
| 0°-40°    | 168.3  | 90.0      |
| 0°-60°    | 182.3  | 97.5      |
| 0°-90°    | 187.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 187.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 467 | 467   | 467 | 467   | 467 |      |
| 5°  | 434 | 435   | 434 | 435   | 435 | 39   |
| 15° | 245 | 247   | 246 | 247   | 245 | 68   |
| 25° | 90  | 91    | 90  | 90    | 90  | 43   |
| 35° | 30  | 30    | 30  | 30    | 30  | 19   |
| 45° | 11  | 11    | 11  | 11    | 11  | 9    |
| 55° | 5   | 5     | 5   | 6     | 6   | 5    |
| 65° | 3   | 3     | 3   | 3     | 3   | 3    |
| 75° | 1   | 1     | 1   | 2     | 2   | 1    |
| 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°    | 466.7 | 466.7 | 466.7 | 466.7 | 466.7 |
| 1°    | 464.7 | 465.2 | 465.6 | 466.3 | 466.0 |
| 2°    | 460.4 | 461.2 | 461.5 | 462.3 | 462.1 |
| 3°    | 454.5 | 454.3 | 456.0 | 456.0 | 454.9 |
| 4°    | 445.3 | 445.7 | 446.2 | 446.6 | 446.8 |
| 5°    | 434.0 | 434.8 | 434.4 | 434.8 | 434.6 |
| 6°    | 420.0 | 421.3 | 421.1 | 421.5 | 422.2 |
| 7°    | 405.1 | 406.0 | 406.0 | 405.6 | 407.3 |
| 8°    | 389.0 | 388.3 | 389.4 | 389.0 | 388.8 |
| 9°    | 369.8 | 371.1 | 371.3 | 370.2 | 370.7 |
| 10°   | 349.9 | 350.8 | 351.0 | 351.7 | 351.0 |
| 11°   | 330.3 | 330.3 | 330.7 | 331.8 | 330.1 |
| 12°   | 308.9 | 310.8 | 308.9 | 309.8 | 308.9 |
| 13°   | 288.6 | 289.0 | 288.6 | 288.4 | 286.8 |
| 14°   | 269.4 | 267.8 | 268.3 | 266.5 | 266.7 |
| 15°   | 245.1 | 246.7 | 246.4 | 246.9 | 245.1 |
| 17.5° | 197.1 | 198.0 | 197.8 | 197.3 | 195.1 |
| 20°   | 156.1 | 156.1 | 154.5 | 153.7 | 152.4 |
| 22.5° | 119.2 | 118.7 | 118.1 | 117.4 | 117.9 |
| 25°   | 89.5  | 90.6  | 89.9  | 89.9  | 89.5  |
| 27.5° | 67.7  | 69.0  | 67.9  | 67.2  | 67.7  |
| 30°   | 51.5  | 52.0  | 51.5  | 51.3  | 51.3  |
| 32.5° | 38.9  | 39.1  | 38.9  | 38.9  | 38.9  |
| 35°   | 29.7  | 29.7  | 29.9  | 29.9  | 29.7  |
| 37.5° | 22.9  | 22.9  | 22.9  | 22.9  | 23.1  |
| 40°   | 17.7  | 17.9  | 17.9  | 17.9  | 17.9  |
| 42.5° | 14.0  | 14.2  | 14.2  | 14.2  | 14.2  |
| 45°   | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  |
| 47.5° | 9.2   | 9.2   | 9.2   | 9.2   | 9.4   |
| 50°   | 7.4   | 7.6   | 7.6   | 7.6   | 7.6   |
| 52.5° | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   |
| 55°   | 5.2   | 5.2   | 5.2   | 5.5   | 5.5   |
| 57.5° | 4.4   | 4.4   | 4.6   | 4.6   | 4.6   |
| 60°   | 3.7   | 3.9   | 3.9   | 3.9   | 3.9   |
| 62.5° | 3.3   | 3.3   | 3.5   | 3.5   | 3.5   |
| 65°   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   |
| 67.5° | 2.4   | 2.4   | 2.4   | 2.4   | 2.6   |
| 70°   | 2.0   | 2.0   | 2.0   | 2.2   | 2.2   |
| 72.5° | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   |
| 75°   | 1.3   | 1.3   | 1.3   | 1.5   | 1.5   |
| 77.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 80°   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 82.5° | 0.4   | 0.4   | 0.7   | 0.7   | 0.7   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 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)