

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: P1311951

Luminaire Tested: P3SQAS02R309727DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311951  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R309727DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

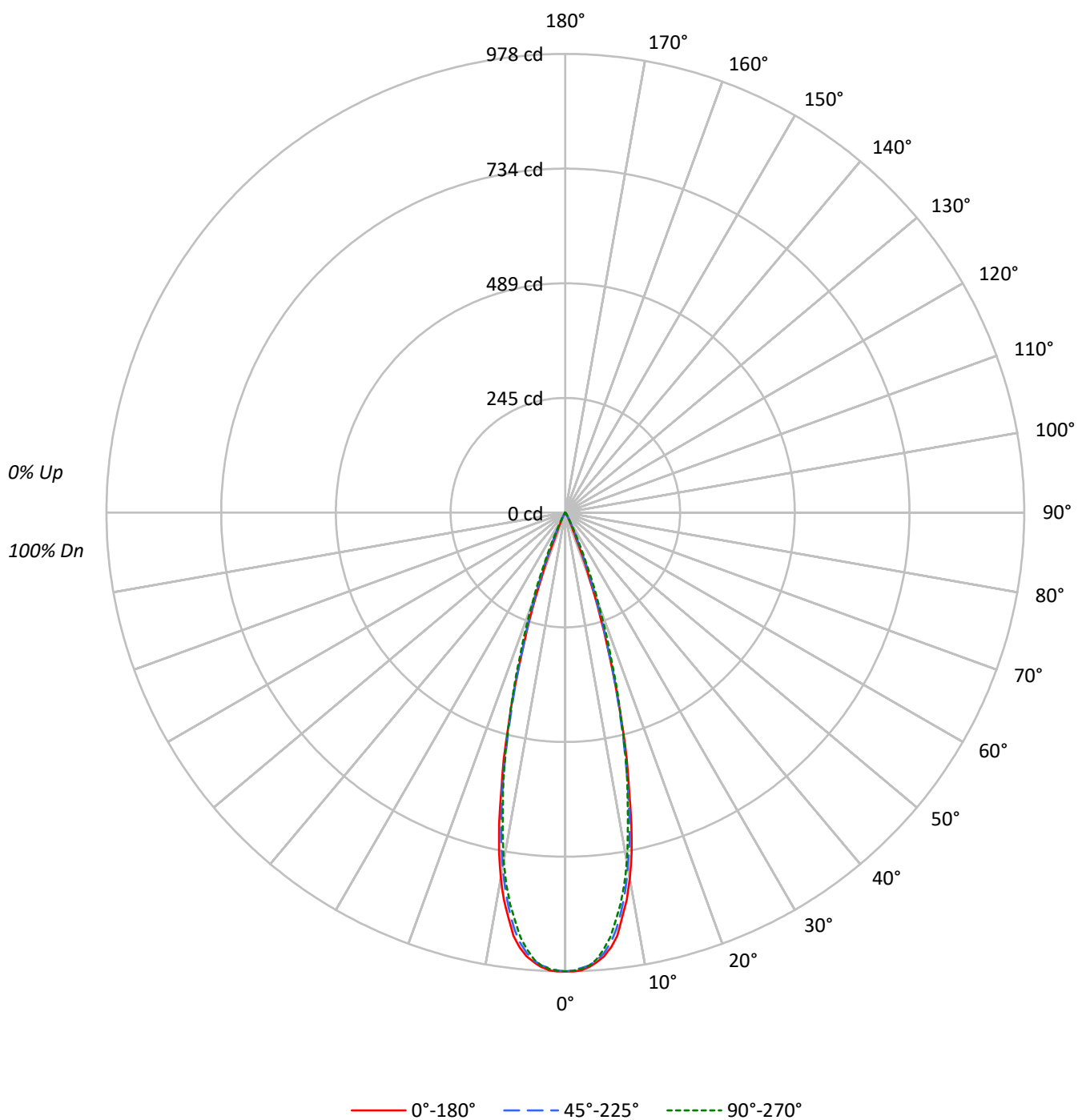
Lumens per Lamp: N/A  
Luminaire Lumens: 237.0 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 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  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 88  | 86  | 83  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 86  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 168451 | 168451 | 168451 |
| 5°  | 164115 | 162992 | 161643 |
| 10° | 138505 | 134255 | 132069 |
| 15° | 83461  | 81126  | 82623  |
| 20° | 28316  | 32696  | 37718  |
| 25° | 5207   | 8152   | 9634   |
| 30° | 1790   | 1989   | 2227   |
| 35° | 526    | 652    | 694    |
| 40° | 135    | 225    | 180    |
| 45° | 49     | 49     | 49     |
| 50° | 54     | 0      | 54     |
| 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: 0°  
Vertical Angle: 52.5°  
Luminance: 57 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.6   | 35.7      |
| 10°-20°   | 123.6  | 52.2      |
| 20°-30°   | 26.2   | 11.0      |
| 30°-40°   | 2.4    | 1.0       |
| 40°-50°   | 0.2    | 0.1       |
| 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°    | 234.3  | 98.9      |
| 0°-40°    | 236.7  | 99.9      |
| 0°-60°    | 237.0  | 100.0     |
| 0°-90°    | 237.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 237.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 978 | 978   | 978 | 978   | 978 |      |
| 5°  | 949 | 948   | 943 | 940   | 935 | 86   |
| 15° | 468 | 466   | 455 | 466   | 463 | 123  |
| 25° | 27  | 31    | 43  | 50    | 51  | 20   |
| 35° | 2   | 3     | 3   | 4     | 3   | 2    |
| 45° | 0   | 0     | 0   | 0     | 0   | 0    |
| 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°    | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 |
| 1°    | 978.3 | 977.3 | 975.9 | 977.9 | 976.5 |
| 2°    | 976.3 | 973.8 | 971.8 | 973.8 | 973.2 |
| 3°    | 970.1 | 968.1 | 966.7 | 967.7 | 967.7 |
| 4°    | 960.9 | 958.7 | 957.5 | 957.7 | 954.6 |
| 5°    | 949.3 | 947.5 | 942.8 | 939.9 | 935.0 |
| 6°    | 932.1 | 927.6 | 921.9 | 917.2 | 910.9 |
| 7°    | 908.8 | 901.9 | 893.7 | 885.5 | 877.6 |
| 8°    | 871.5 | 868.2 | 857.1 | 851.6 | 843.7 |
| 9°    | 836.3 | 828.3 | 816.5 | 807.5 | 803.2 |
| 10°   | 792.0 | 780.1 | 767.7 | 760.5 | 755.2 |
| 11°   | 739.5 | 727.4 | 717.4 | 707.0 | 698.8 |
| 12°   | 677.7 | 667.5 | 656.1 | 649.1 | 639.5 |
| 13°   | 604.6 | 603.2 | 590.3 | 588.1 | 586.8 |
| 14°   | 541.9 | 536.2 | 523.5 | 527.0 | 527.8 |
| 15°   | 468.1 | 466.5 | 455.0 | 465.7 | 463.4 |
| 17.5° | 293.2 | 293.8 | 301.0 | 317.7 | 323.0 |
| 20°   | 154.5 | 159.2 | 178.4 | 198.6 | 205.8 |
| 22.5° | 62.5  | 72.9  | 92.6  | 106.2 | 115.4 |
| 25°   | 27.4  | 30.6  | 42.9  | 50.5  | 50.7  |
| 27.5° | 15.5  | 15.7  | 20.6  | 21.5  | 21.9  |
| 30°   | 9.0   | 9.2   | 10.0  | 10.6  | 11.2  |
| 32.5° | 4.9   | 5.3   | 5.5   | 6.3   | 6.3   |
| 35°   | 2.5   | 3.1   | 3.1   | 3.7   | 3.3   |
| 37.5° | 1.4   | 1.6   | 1.8   | 1.8   | 1.6   |
| 40°   | 0.6   | 0.8   | 1.0   | 1.0   | 0.8   |
| 42.5° | 0.2   | 0.4   | 0.4   | 0.4   | 0.6   |
| 45°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 47.5° | 0.2   | 0.2   | 0.0   | 0.2   | 0.2   |
| 50°   | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   |
| 52.5° | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   |
| 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)