

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: P1316742

Luminaire Tested: P3SQAS02R559830DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316742  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R559830DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

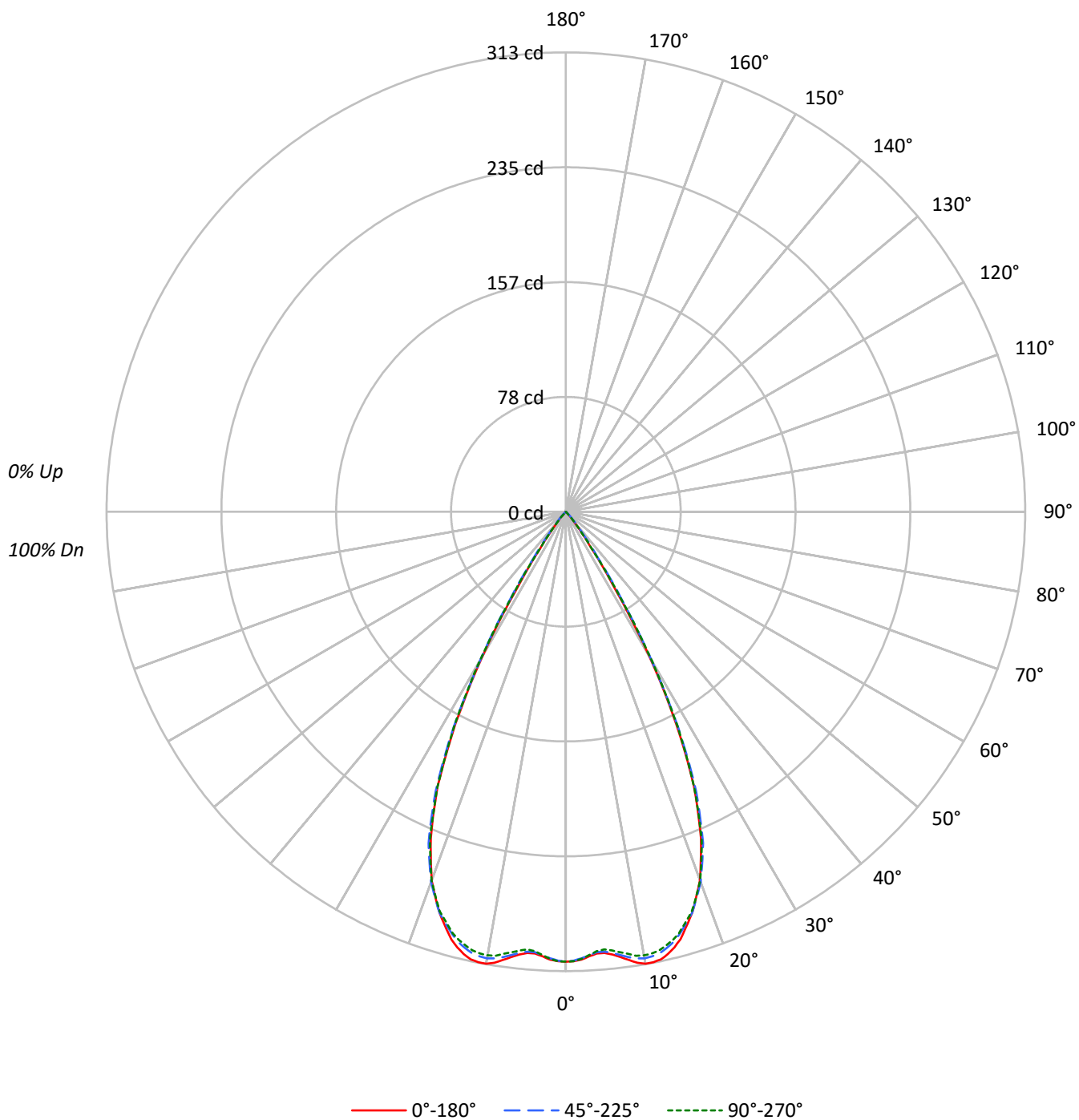
Lumens per Lamp: N/A  
Luminaire Lumens: 233.0 lumens  
Efficiency: N/A  
Efficacy: 64.7 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  | 97  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  | 93  | 91  | 89  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  |  | 92  | 90  | 87  |  | 90  | 88  | 86  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  | 83  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  |  | 84  | 80  | 77  |  | 82  | 79  | 77  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  |  | 80  | 76  | 73  |  | 79  | 75  | 73  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  | 72  | 69  | 67  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 65  |  | 72  | 68  | 65  | 64  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  |  | 69  | 65  | 62  |  | 69  | 65  | 62  | 61  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 66  | 62  | 59  | 58  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 52786 | 52786 | 52786 |
| 5°  | 52175 | 52020 | 51743 |
| 10° | 54685 | 54038 | 53653 |
| 15° | 53775 | 53204 | 53026 |
| 20° | 48990 | 49191 | 49026 |
| 25° | 39298 | 39906 | 39298 |
| 30° | 22551 | 23128 | 23307 |
| 35° | 6433  | 7758  | 6623  |
| 40° | 1641  | 2383  | 1686  |
| 45° | 170   | 828   | 122   |
| 50° | 0     | 134   | 0     |
| 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: 45°

Vertical Angle: 45°

Luminance: 828 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 29.1   | 12.5      |
| 10°-20°   | 83.0   | 35.6      |
| 20°-30°   | 91.5   | 39.3      |
| 30°-40°   | 27.3   | 11.7      |
| 40°-50°   | 2.1    | 0.9       |
| 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       |
| 0°-30°    | 203.6  | 87.4      |
| 0°-40°    | 230.9  | 99.1      |
| 0°-60°    | 233.0  | 100.0     |
| 0°-90°    | 233.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 233.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 306 | 306   | 306 | 306   | 306 |      |
| 5°  | 302 | 301   | 301 | 300   | 299 | 29   |
| 15° | 302 | 300   | 298 | 297   | 297 | 84   |
| 25° | 207 | 207   | 210 | 210   | 207 | 91   |
| 35° | 31  | 33    | 37  | 34    | 32  | 25   |
| 45° | 1   | 2     | 3   | 2     | 0   | 1    |
| 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°    | 306.5 | 306.5 | 306.5 | 306.5 | 306.5 |
| 1°    | 306.3 | 306.3 | 305.9 | 305.8 | 306.3 |
| 2°    | 305.4 | 305.4 | 304.5 | 304.3 | 304.9 |
| 3°    | 303.4 | 303.3 | 302.5 | 302.0 | 302.4 |
| 4°    | 301.8 | 301.5 | 300.9 | 300.0 | 300.2 |
| 5°    | 301.8 | 301.3 | 300.9 | 299.7 | 299.3 |
| 6°    | 303.3 | 302.9 | 302.2 | 300.9 | 300.6 |
| 7°    | 305.8 | 305.0 | 304.3 | 302.7 | 302.4 |
| 8°    | 308.4 | 307.9 | 306.5 | 304.9 | 304.1 |
| 9°    | 311.1 | 309.9 | 308.1 | 306.5 | 306.3 |
| 10°   | 312.7 | 310.9 | 309.0 | 307.0 | 306.8 |
| 11°   | 312.6 | 310.9 | 308.6 | 306.8 | 306.7 |
| 12°   | 311.8 | 309.5 | 307.5 | 305.4 | 305.6 |
| 13°   | 309.3 | 307.2 | 305.2 | 303.6 | 303.3 |
| 14°   | 305.9 | 304.0 | 302.2 | 300.6 | 300.8 |
| 15°   | 301.6 | 299.5 | 298.4 | 297.2 | 297.4 |
| 17.5° | 286.4 | 285.9 | 286.4 | 285.0 | 285.5 |
| 20°   | 267.3 | 266.8 | 268.4 | 267.7 | 267.5 |
| 22.5° | 240.6 | 241.4 | 244.4 | 243.5 | 241.9 |
| 25°   | 206.8 | 206.8 | 210.0 | 209.7 | 206.8 |
| 27.5° | 162.8 | 164.1 | 166.0 | 166.9 | 164.8 |
| 30°   | 113.4 | 116.3 | 116.3 | 118.1 | 117.2 |
| 32.5° | 63.3  | 69.4  | 70.8  | 71.7  | 68.2  |
| 35°   | 30.6  | 32.6  | 36.9  | 33.6  | 31.5  |
| 37.5° | 14.7  | 15.6  | 19.9  | 16.1  | 15.0  |
| 40°   | 7.3   | 8.4   | 10.6  | 8.8   | 7.5   |
| 42.5° | 3.0   | 4.5   | 5.5   | 4.5   | 3.0   |
| 45°   | 0.7   | 1.8   | 3.4   | 1.8   | 0.5   |
| 47.5° | 0.0   | 0.2   | 1.6   | 0.4   | 0.0   |
| 50°   | 0.0   | 0.0   | 0.5   | 0.0   | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 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)