

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: P1306469

Luminaire Tested: P3SQAS02R609027DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R609027DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

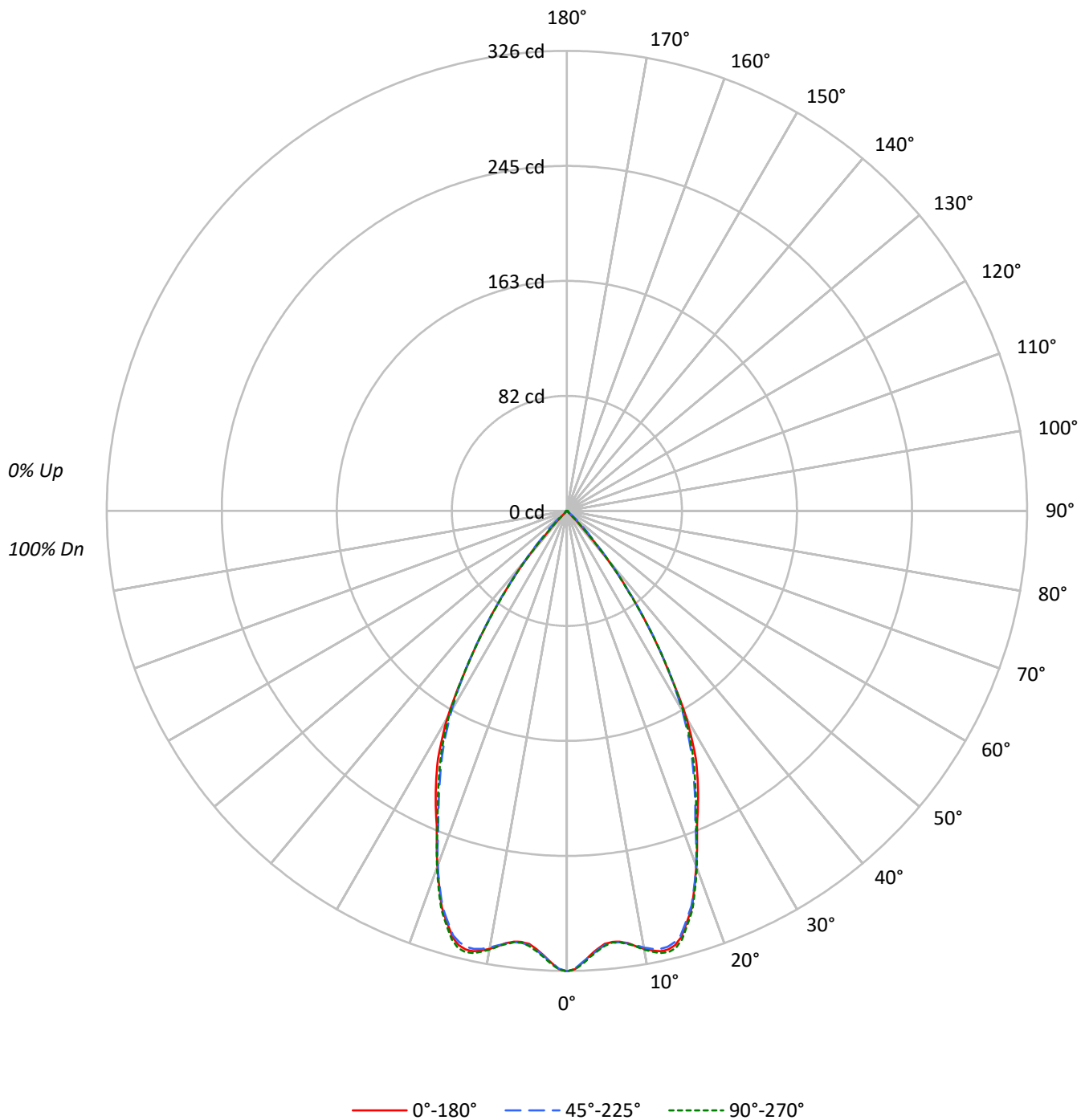
Lumens per Lamp: N/A  
Luminaire Lumens: 291.0 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 111 | 108 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 |  | 101 | 100 | 98  |  | 98  | 96  | 95  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  | 91  | 89  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 88  | 85  | 83  | 82  |
| 4   | 98  | 90  | 85  | 81  | 96  | 89  | 84  | 80  | 87  | 83  | 79  |  | 85  | 81  | 79  |  | 83  | 80  | 78  | 76  |
| 5   | 93  | 85  | 79  | 75  | 91  | 84  | 79  | 75  | 82  | 77  | 74  |  | 80  | 76  | 73  |  | 79  | 75  | 73  | 71  |
| 6   | 88  | 80  | 74  | 70  | 87  | 79  | 73  | 69  | 77  | 73  | 69  |  | 76  | 72  | 68  |  | 75  | 71  | 68  | 67  |
| 7   | 84  | 75  | 69  | 65  | 83  | 74  | 69  | 65  | 73  | 68  | 64  |  | 72  | 67  | 64  |  | 71  | 67  | 64  | 62  |
| 8   | 80  | 71  | 65  | 61  | 79  | 70  | 65  | 61  | 69  | 64  | 60  |  | 68  | 64  | 60  |  | 67  | 63  | 60  | 59  |
| 9   | 76  | 67  | 61  | 57  | 75  | 66  | 61  | 57  | 65  | 60  | 57  |  | 65  | 60  | 57  |  | 64  | 60  | 56  | 55  |
| 10  | 73  | 63  | 58  | 54  | 72  | 63  | 57  | 54  | 62  | 57  | 54  |  | 61  | 57  | 53  |  | 61  | 56  | 53  | 52  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 56196 | 56196 | 56196 |
| 5°  | 53247 | 53403 | 53489 |
| 10° | 55105 | 54947 | 55227 |
| 15° | 55772 | 55540 | 56093 |
| 20° | 49118 | 49063 | 49319 |
| 25° | 41787 | 40590 | 40932 |
| 30° | 33728 | 32554 | 33091 |
| 35° | 21340 | 21550 | 21298 |
| 40° | 9982  | 10387 | 10139 |
| 45° | 609   | 3653  | 731   |
| 50° | 295   | 857   | 295   |
| 55° | 330   | 330   | 330   |
| 60° | 310   | 310   | 310   |
| 65° | 285   | 367   | 285   |
| 70° | 352   | 352   | 352   |
| 75° | 333   | 333   | 333   |
| 80° | 198   | 198   | 198   |
| 85° | 395   | 395   | 395   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3653 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 29.7   | 10.2      |
| 10°-20°   | 85.6   | 29.4      |
| 20°-30°   | 98.7   | 33.9      |
| 30°-40°   | 63.4   | 21.8      |
| 40°-50°   | 11.0   | 3.8       |
| 50°-60°   | 1.0    | 0.4       |
| 60°-70°   | 0.8    | 0.3       |
| 70°-80°   | 0.5    | 0.2       |
| 80°-90°   | 0.1    | 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°    | 214.1  | 73.6      |
| 0°-40°    | 277.5  | 95.4      |
| 0°-60°    | 289.5  | 99.5      |
| 0°-90°    | 291.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 291.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 326 | 326   | 326 | 326   | 326 |      |
| 5°  | 308 | 309   | 309 | 310   | 309 | 30   |
| 15° | 313 | 312   | 312 | 314   | 315 | 86   |
| 25° | 220 | 217   | 214 | 214   | 215 | 100  |
| 35° | 102 | 101   | 102 | 100   | 101 | 63   |
| 45° | 2   | 8     | 15  | 9     | 3   | 8    |
| 55° | 1   | 1     | 1   | 1     | 1   | 1    |
| 65° | 1   | 1     | 1   | 1     | 1   | 1    |
| 75° | 0   | 0     | 0   | 0     | 0   | 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°    | 326.3 | 326.3 | 326.3 | 326.3 | 326.3 |
| 1°    | 324.9 | 324.7 | 324.4 | 324.7 | 324.9 |
| 2°    | 320.3 | 320.1 | 319.9 | 320.8 | 321.2 |
| 3°    | 315.3 | 315.6 | 315.8 | 316.2 | 316.5 |
| 4°    | 311.2 | 311.7 | 311.9 | 312.4 | 312.6 |
| 5°    | 308.0 | 308.7 | 308.9 | 309.6 | 309.4 |
| 6°    | 307.1 | 307.6 | 307.8 | 308.0 | 307.6 |
| 7°    | 307.6 | 307.8 | 308.0 | 308.5 | 308.0 |
| 8°    | 309.2 | 309.4 | 309.6 | 309.9 | 309.9 |
| 9°    | 312.4 | 311.9 | 311.7 | 312.6 | 312.4 |
| 10°   | 315.1 | 314.4 | 314.2 | 315.6 | 315.8 |
| 11°   | 317.4 | 316.5 | 316.2 | 317.8 | 318.3 |
| 12°   | 319.0 | 317.6 | 317.4 | 319.4 | 320.3 |
| 13°   | 319.0 | 317.1 | 317.1 | 319.4 | 320.8 |
| 14°   | 317.1 | 315.1 | 315.1 | 317.6 | 319.2 |
| 15°   | 312.8 | 311.7 | 311.5 | 313.5 | 314.6 |
| 17.5° | 294.6 | 293.2 | 293.5 | 295.7 | 296.0 |
| 20°   | 268.0 | 267.3 | 267.7 | 268.2 | 269.1 |
| 22.5° | 240.9 | 240.4 | 237.9 | 238.6 | 239.1 |
| 25°   | 219.9 | 217.4 | 213.6 | 213.8 | 215.4 |
| 27.5° | 197.8 | 195.3 | 189.9 | 191.0 | 192.6 |
| 30°   | 169.6 | 167.6 | 163.7 | 164.4 | 166.4 |
| 32.5° | 133.2 | 137.3 | 133.6 | 134.8 | 134.1 |
| 35°   | 101.5 | 100.9 | 102.5 | 100.4 | 101.3 |
| 37.5° | 71.5  | 71.7  | 72.4  | 70.6  | 70.6  |
| 40°   | 44.4  | 45.5  | 46.2  | 45.3  | 45.1  |
| 42.5° | 18.7  | 25.5  | 26.9  | 25.5  | 18.9  |
| 45°   | 2.5   | 7.5   | 15.0  | 8.9   | 3.0   |
| 47.5° | 1.1   | 1.6   | 8.0   | 1.6   | 1.1   |
| 50°   | 1.1   | 1.1   | 3.2   | 1.1   | 1.1   |
| 52.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 55°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 57.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 60°   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 62.5° | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 65°   | 0.7   | 0.9   | 0.9   | 0.9   | 0.7   |
| 67.5° | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 70°   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 72.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 75°   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 77.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 80°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 82.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 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)