

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: P1317599

Luminaire Tested: P3SQAS02R459835DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317599  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R459835DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

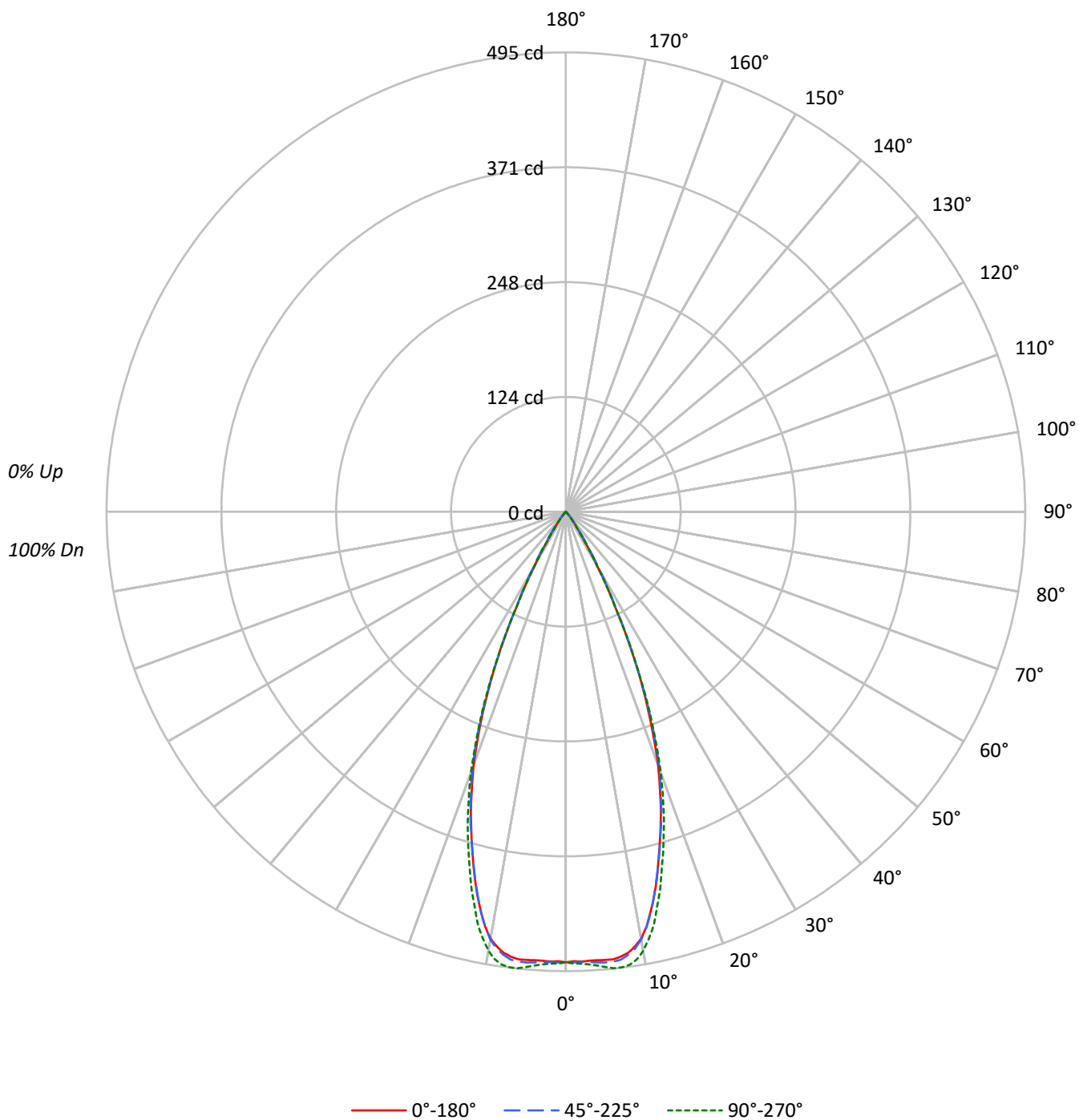
Lumens per Lamp: N/A  
Luminaire Lumens: 251.0 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 96  |  | 98  | 96  | 94  |  | 95  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 97  | 93  | 91  |  | 94  | 92  | 89  |  | 92  |
| 4   | 102 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 89  | 86  |  | 90  | 87  | 85  |  | 89  |
| 5   | 98  | 91  | 86  | 83  | 96  | 90  | 86  | 82  | 88  | 85  | 82  |  | 87  | 83  | 81  |  | 85  |
| 6   | 94  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 77  |  | 82  |
| 7   | 91  | 83  | 78  | 75  | 89  | 82  | 78  | 74  | 81  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |
| 8   | 87  | 79  | 75  | 71  | 86  | 79  | 74  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 9   | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 70  | 68  |  | 73  |
| 10  | 81  | 73  | 68  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 83614 | 83614 | 83614 |
| 5°  | 83795 | 84279 | 85126 |
| 10° | 81704 | 81861 | 84012 |
| 15° | 68930 | 68966 | 71230 |
| 20° | 53205 | 53956 | 54854 |
| 25° | 33008 | 33046 | 33255 |
| 30° | 13622 | 14477 | 13404 |
| 35° | 4247  | 5172  | 4079  |
| 40° | 1304  | 1799  | 1214  |
| 45° | 97    | 682   | 97    |
| 50° | 0     | 107   | 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: 682 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.2   | 18.4      |
| 10°-20°   | 107.4  | 42.8      |
| 20°-30°   | 78.8   | 31.4      |
| 30°-40°   | 16.9   | 6.7       |
| 40°-50°   | 1.6    | 0.6       |
| 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°    | 232.4  | 92.6      |
| 0°-40°    | 249.4  | 99.4      |
| 0°-60°    | 251.0  | 100.0     |
| 0°-90°    | 251.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 251.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 486 | 486   | 486 | 486   | 486 |      |
| 5°  | 485 | 486   | 488 | 491   | 492 | 46   |
| 15° | 387 | 386   | 387 | 393   | 400 | 106  |
| 25° | 174 | 173   | 174 | 174   | 175 | 78   |
| 35° | 20  | 22    | 25  | 21    | 19  | 16   |
| 45° | 0   | 1     | 3   | 1     | 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°    | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 |
| 1°    | 484.5 | 485.7 | 485.7 | 486.4 | 486.8 |
| 2°    | 484.9 | 485.7 | 485.5 | 486.8 | 487.3 |
| 3°    | 484.4 | 485.7 | 486.0 | 487.5 | 488.5 |
| 4°    | 484.5 | 485.7 | 486.8 | 489.0 | 490.3 |
| 5°    | 484.7 | 486.0 | 487.5 | 490.9 | 492.4 |
| 6°    | 484.9 | 485.9 | 487.5 | 491.8 | 494.6 |
| 7°    | 483.1 | 484.4 | 486.2 | 491.6 | 494.6 |
| 8°    | 480.1 | 480.8 | 482.3 | 489.4 | 492.9 |
| 9°    | 474.5 | 474.3 | 476.5 | 484.4 | 488.5 |
| 10°   | 467.2 | 465.0 | 468.1 | 476.0 | 480.4 |
| 11°   | 455.4 | 453.0 | 455.8 | 464.2 | 468.5 |
| 12°   | 440.1 | 440.1 | 440.7 | 448.2 | 455.6 |
| 13°   | 423.9 | 422.0 | 423.2 | 431.6 | 436.8 |
| 14°   | 406.0 | 404.1 | 405.2 | 411.6 | 419.8 |
| 15°   | 386.6 | 385.8 | 386.8 | 392.9 | 399.5 |
| 17.5° | 340.5 | 338.8 | 342.2 | 348.3 | 351.7 |
| 20°   | 290.3 | 293.1 | 294.4 | 298.3 | 299.3 |
| 22.5° | 232.7 | 235.6 | 237.5 | 238.1 | 238.6 |
| 25°   | 173.7 | 173.1 | 173.9 | 173.9 | 175.0 |
| 27.5° | 114.2 | 114.2 | 116.2 | 114.9 | 113.6 |
| 30°   | 68.5  | 71.3  | 72.8  | 70.3  | 67.4  |
| 32.5° | 37.3  | 40.1  | 42.5  | 39.0  | 36.4  |
| 35°   | 20.2  | 21.6  | 24.6  | 21.1  | 19.4  |
| 37.5° | 11.0  | 12.3  | 14.2  | 11.9  | 11.0  |
| 40°   | 5.8   | 7.1   | 8.0   | 7.1   | 5.4   |
| 42.5° | 1.9   | 3.5   | 4.7   | 3.5   | 1.7   |
| 45°   | 0.4   | 1.1   | 2.8   | 1.1   | 0.4   |
| 47.5° | 0.0   | 0.2   | 1.3   | 0.2   | 0.0   |
| 50°   | 0.0   | 0.0   | 0.4   | 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)