

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: P1315847

Luminaire Tested: P3SQAS02R459827DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315847  
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: P3SQAS02R459827DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

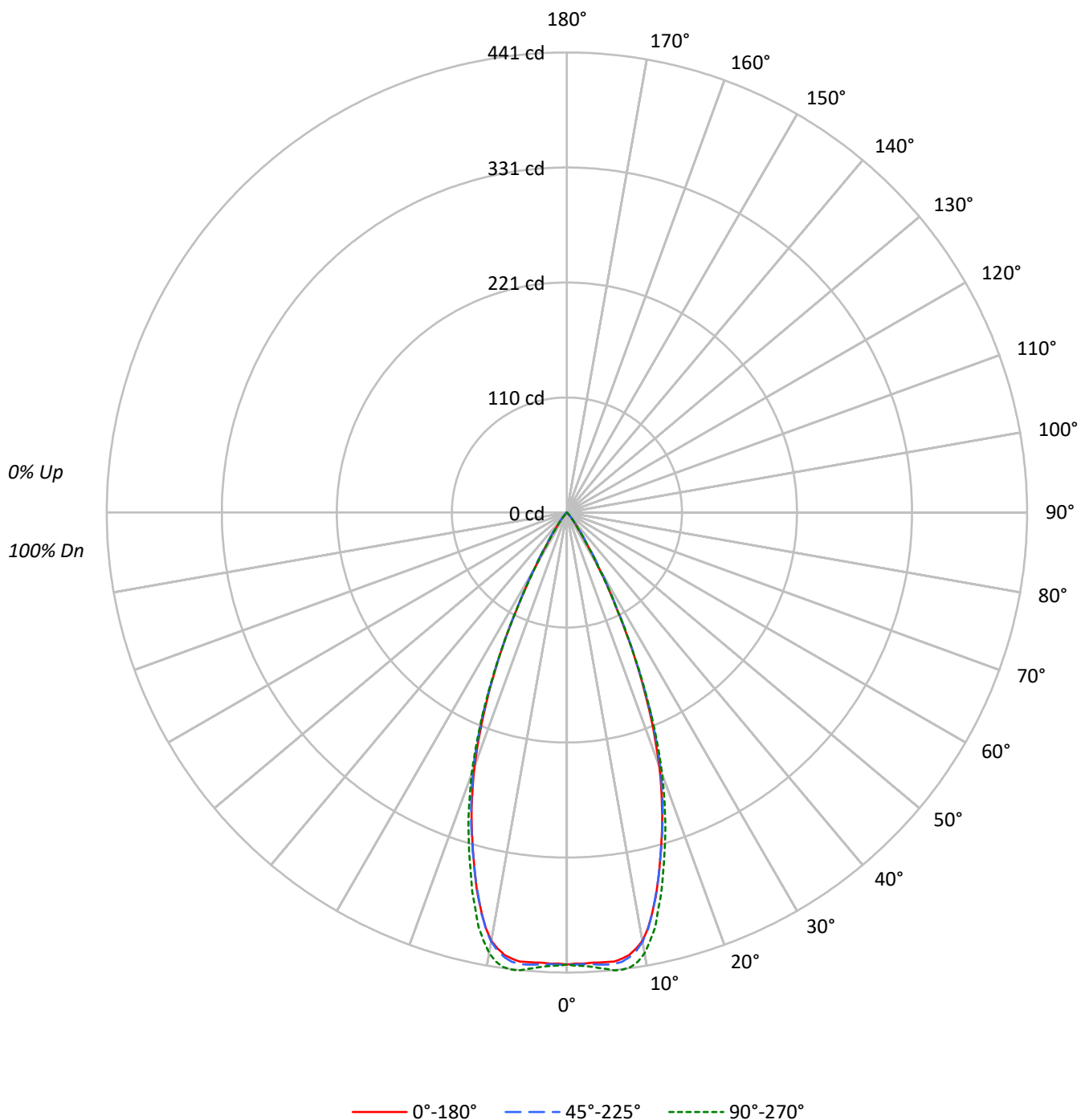
Lumens per Lamp: N/A  
Luminaire Lumens: 224.0 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     | 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 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  | 98  | 97  | 95  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 96  |  | 98  | 96  | 94  |  | 95  | 94  | 92  | 91  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 97  | 93  | 91  |  | 94  | 92  | 89  |  | 92  | 90  | 88  | 87  |
| 4   | 102 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 89  | 86  |  | 90  | 87  | 85  |  | 89  | 86  | 84  | 83  |
| 5   | 98  | 91  | 86  | 83  | 96  | 90  | 86  | 82  | 88  | 85  | 82  |  | 87  | 83  | 81  |  | 85  | 82  | 80  | 79  |
| 6   | 94  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 77  |  | 82  | 79  | 77  | 75  |
| 7   | 91  | 83  | 78  | 75  | 89  | 82  | 78  | 74  | 81  | 77  | 74  |  | 80  | 76  | 74  |  | 79  | 76  | 73  | 72  |
| 8   | 87  | 79  | 75  | 71  | 86  | 79  | 74  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  | 73  | 70  | 69  |
| 9   | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 70  | 68  |  | 73  | 70  | 67  | 66  |
| 10  | 81  | 73  | 68  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  | 67  | 65  | 64  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 74624 | 74624 | 74624 |
| 5°  | 74788 | 75220 | 75964 |
| 10° | 72907 | 73065 | 74988 |
| 15° | 61513 | 61548 | 63563 |
| 20° | 47487 | 48165 | 48953 |
| 25° | 29454 | 29492 | 29682 |
| 30° | 12151 | 12906 | 11952 |
| 35° | 3784  | 4625  | 3637  |
| 40° | 1169  | 1619  | 1079  |
| 45° | 73    | 609   | 73    |
| 50° | 0     | 80    | 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: 609 cd/sqm

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CATALOG NUMBER: P3SQAS02R459827DE010 E3SQCD1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 41.2   | 18.4      |
| 10°-20°   | 95.9   | 42.8      |
| 20°-30°   | 70.3   | 31.4      |
| 30°-40°   | 15.1   | 6.7       |
| 40°-50°   | 1.4    | 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       |
| 0°-30°    | 207.4  | 92.6      |
| 0°-40°    | 222.6  | 99.4      |
| 0°-60°    | 224.0  | 100.0     |
| 0°-90°    | 224.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 224.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 433 | 433   | 433 | 433   | 433 |      |
| 5°  | 433 | 434   | 435 | 438   | 439 | 41   |
| 15° | 345 | 344   | 345 | 351   | 356 | 95   |
| 25° | 155 | 154   | 155 | 155   | 156 | 70   |
| 35° | 18  | 19    | 22  | 19    | 17  | 14   |
| 45° | 0   | 1     | 2   | 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   |      |

TEST NUMBER: P1315847

CATALOG NUMBER: P3SQAS02R459827DE010 E3SQCD1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 433.3 | 433.3 | 433.3 | 433.3 | 433.3 |
| 1°    | 432.4 | 433.4 | 433.4 | 434.1 | 434.4 |
| 2°    | 432.8 | 433.4 | 433.3 | 434.4 | 434.9 |
| 3°    | 432.3 | 433.4 | 433.8 | 435.1 | 435.9 |
| 4°    | 432.4 | 433.4 | 434.4 | 436.4 | 437.6 |
| 5°    | 432.6 | 433.8 | 435.1 | 438.1 | 439.4 |
| 6°    | 432.8 | 433.6 | 435.1 | 438.9 | 441.4 |
| 7°    | 431.1 | 432.3 | 433.9 | 438.7 | 441.4 |
| 8°    | 428.4 | 429.1 | 430.4 | 436.8 | 439.9 |
| 9°    | 423.4 | 423.3 | 425.3 | 432.3 | 435.9 |
| 10°   | 416.9 | 414.9 | 417.8 | 424.8 | 428.8 |
| 11°   | 406.4 | 404.3 | 406.8 | 414.3 | 418.1 |
| 12°   | 392.8 | 392.8 | 393.3 | 400.0 | 406.6 |
| 13°   | 378.3 | 376.6 | 377.6 | 385.1 | 389.8 |
| 14°   | 362.3 | 360.7 | 361.7 | 367.3 | 374.6 |
| 15°   | 345.0 | 344.3 | 345.2 | 350.7 | 356.5 |
| 17.5° | 303.9 | 302.4 | 305.4 | 310.9 | 313.9 |
| 20°   | 259.1 | 261.6 | 262.8 | 266.2 | 267.1 |
| 22.5° | 207.6 | 210.3 | 212.0 | 212.5 | 213.0 |
| 25°   | 155.0 | 154.5 | 155.2 | 155.2 | 156.2 |
| 27.5° | 101.9 | 101.9 | 103.7 | 102.6 | 101.4 |
| 30°   | 61.1  | 63.6  | 64.9  | 62.8  | 60.1  |
| 32.5° | 33.3  | 35.8  | 38.0  | 34.8  | 32.5  |
| 35°   | 18.0  | 19.3  | 22.0  | 18.8  | 17.3  |
| 37.5° | 9.8   | 11.0  | 12.7  | 10.7  | 9.8   |
| 40°   | 5.2   | 6.3   | 7.2   | 6.3   | 4.8   |
| 42.5° | 1.7   | 3.2   | 4.2   | 3.2   | 1.5   |
| 45°   | 0.3   | 1.0   | 2.5   | 1.0   | 0.3   |
| 47.5° | 0.0   | 0.2   | 1.2   | 0.2   | 0.0   |
| 50°   | 0.0   | 0.0   | 0.3   | 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   |



TEST NUMBER: P1315847

CATALOG NUMBER: P3SQAS02R459827DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)