

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: P1306676

Luminaire Tested: P3SQAS09R159027DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306676  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R159027DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

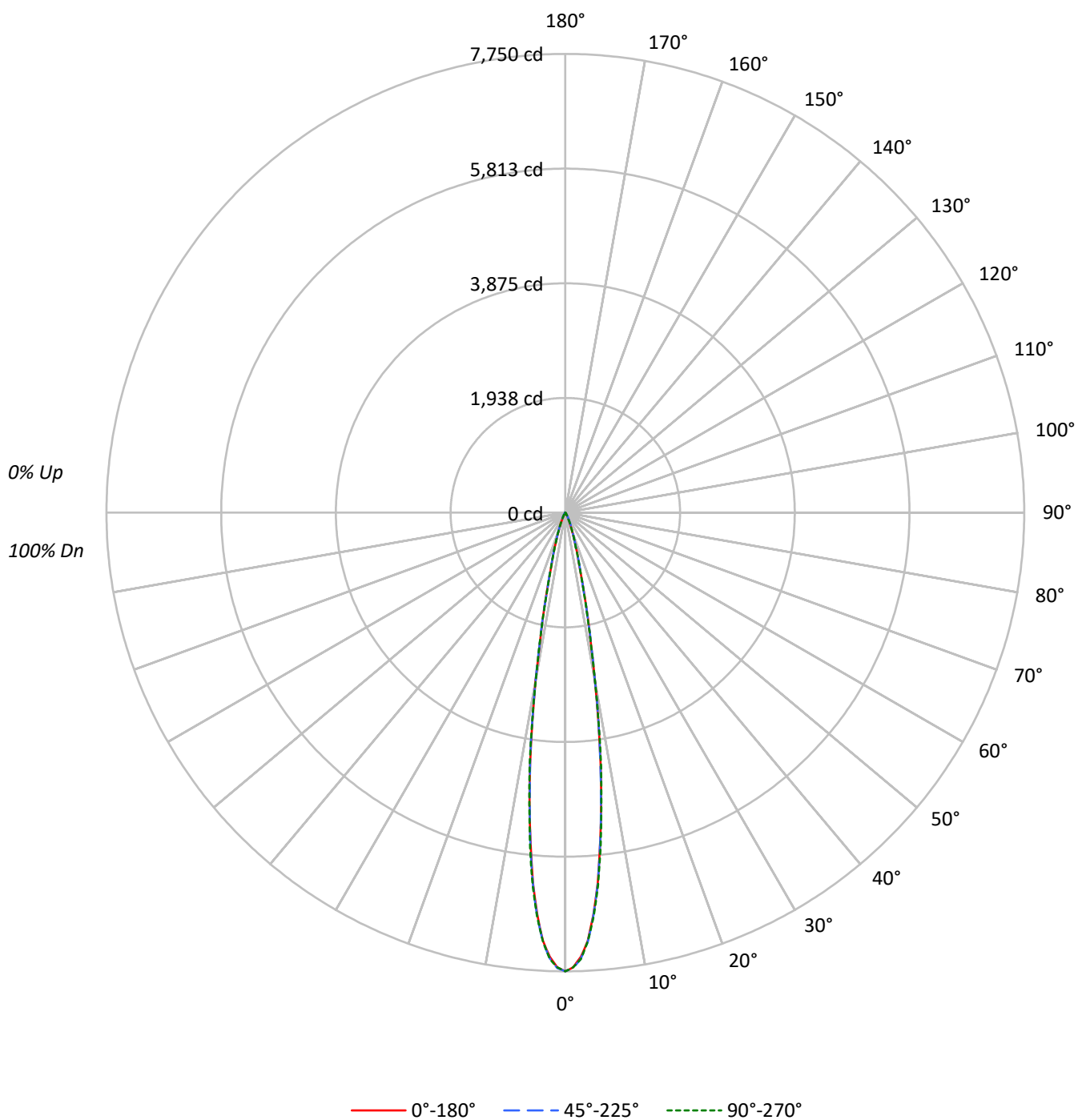
Lumens per Lamp: N/A  
Luminaire Lumens: 870.1 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 |  | 104 | 103 | 102 |  | 101 |
| 2   | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 |  | 102 | 100 | 99  |  | 99  |
| 3   | 110 | 106 | 103 | 100 | 108 | 104 | 102 | 99  | 102 | 100 | 98  |  | 100 | 98  | 96  |  | 98  |
| 4   | 107 | 102 | 99  | 97  | 106 | 101 | 98  | 96  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 96  |
| 5   | 105 | 100 | 96  | 94  | 103 | 99  | 96  | 93  | 97  | 95  | 93  |  | 96  | 94  | 92  |  | 95  |
| 6   | 102 | 97  | 94  | 91  | 101 | 97  | 93  | 91  | 95  | 92  | 90  |  | 94  | 92  | 90  |  | 93  |
| 7   | 100 | 95  | 92  | 89  | 99  | 94  | 91  | 89  | 93  | 91  | 89  |  | 92  | 90  | 88  |  | 92  |
| 8   | 98  | 93  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 9   | 97  | 91  | 88  | 86  | 96  | 91  | 88  | 85  | 90  | 87  | 85  |  | 89  | 87  | 85  |  | 89  |
| 10  | 95  | 89  | 86  | 84  | 94  | 89  | 86  | 84  | 89  | 86  | 84  |  | 88  | 85  | 84  |  | 87  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1334674 | 1334674 | 1334674 |
| 5°  | 1085292 | 1089061 | 1092847 |
| 10° | 505437  | 505909  | 503163  |
| 15° | 156385  | 161984  | 158935  |
| 20° | 62350   | 65851   | 61599   |
| 25° | 26091   | 30765   | 24798   |
| 30° | 10600   | 14119   | 9784    |
| 35° | 3448    | 6455    | 3154    |
| 40° | 1237    | 2608    | 1237    |
| 45° | 487     | 828     | 487     |
| 50° | 375     | 536     | 375     |
| 55° | 420     | 420     | 420     |
| 60° | 482     | 482     | 482     |
| 65° | 285     | 285     | 285     |
| 70° | 352     | 352     | 352     |
| 75° | 466     | 466     | 466     |
| 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°    | 485.1  | 55.8      |
| 10°-20°   | 290.0  | 33.3      |
| 20°-30°   | 73.8   | 8.5       |
| 30°-40°   | 16.0   | 1.8       |
| 40°-50°   | 2.6    | 0.3       |
| 50°-60°   | 1.3    | 0.1       |
| 60°-70°   | 0.8    | 0.1       |
| 70°-80°   | 0.5    | 0.1       |
| 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°    | 848.9  | 97.6      |
| 0°-40°    | 865.0  | 99.4      |
| 0°-60°    | 868.8  | 99.9      |
| 0°-90°    | 870.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 870.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7750 | 7750  | 7750 | 7750  | 7750 |      |
| 5°  | 6278 | 6286  | 6300 | 6271  | 6321 | 484  |
| 15° | 877  | 902   | 908  | 896   | 891  | 289  |
| 25° | 137  | 147   | 162  | 144   | 130  | 70   |
| 35° | 16   | 21    | 31   | 20    | 15   | 13   |
| 45° | 2    | 3     | 3    | 3     | 2    | 2    |
| 55° | 1    | 1     | 1    | 1     | 1    | 1    |
| 65° | 1    | 1     | 1    | 1     | 1    | 1    |
| 75° | 1    | 1     | 1    | 1     | 1    | 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°    | 7749.7 | 7749.7 | 7749.7 | 7749.7 | 7749.7 |
| 1°    | 7682.1 | 7695.1 | 7697.1 | 7695.1 | 7684.2 |
| 2°    | 7509.3 | 7547.5 | 7539.3 | 7523.0 | 7546.2 |
| 3°    | 7242.2 | 7261.3 | 7258.6 | 7260.0 | 7254.5 |
| 4°    | 6807.8 | 6841.2 | 6822.1 | 6836.4 | 6837.8 |
| 5°    | 6277.7 | 6286.5 | 6299.5 | 6270.8 | 6321.4 |
| 6°    | 5625.3 | 5682.0 | 5632.1 | 5681.3 | 5701.1 |
| 7°    | 4962.0 | 4994.8 | 4931.3 | 4965.4 | 4985.9 |
| 8°    | 4283.7 | 4226.3 | 4261.2 | 4261.8 | 4329.5 |
| 9°    | 3551.4 | 3563.0 | 3592.4 | 3558.9 | 3588.3 |
| 10°   | 2890.2 | 2916.8 | 2892.9 | 2881.3 | 2877.2 |
| 11°   | 2282.2 | 2312.3 | 2310.2 | 2313.7 | 2291.1 |
| 12°   | 1836.2 | 1820.5 | 1830.7 | 1797.2 | 1812.3 |
| 13°   | 1429.0 | 1429.7 | 1421.5 | 1407.9 | 1395.6 |
| 14°   | 1119.6 | 1112.8 | 1131.9 | 1114.8 | 1099.1 |
| 15°   | 877.1  | 901.7  | 908.5  | 895.5  | 891.4  |
| 17.5° | 541.0  | 541.7  | 551.3  | 539.0  | 537.6  |
| 20°   | 340.2  | 348.4  | 359.3  | 346.3  | 336.1  |
| 22.5° | 215.2  | 222.7  | 239.8  | 223.4  | 209.0  |
| 25°   | 137.3  | 146.9  | 161.9  | 143.5  | 130.5  |
| 27.5° | 86.1   | 95.0   | 109.3  | 92.2   | 82.7   |
| 30°   | 53.3   | 59.4   | 71.0   | 58.1   | 49.2   |
| 32.5° | 30.7   | 36.9   | 46.5   | 34.8   | 29.4   |
| 35°   | 16.4   | 21.2   | 30.7   | 20.5   | 15.0   |
| 37.5° | 9.6    | 12.3   | 19.8   | 10.9   | 8.9    |
| 40°   | 5.5    | 7.5    | 11.6   | 6.8    | 5.5    |
| 42.5° | 3.4    | 4.8    | 5.5    | 4.1    | 2.7    |
| 45°   | 2.0    | 2.7    | 3.4    | 2.7    | 2.0    |
| 47.5° | 1.4    | 2.0    | 2.7    | 1.4    | 1.4    |
| 50°   | 1.4    | 1.4    | 2.0    | 1.4    | 1.4    |
| 52.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 55°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 57.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 60°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 62.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 65°   | 0.7    | 0.7    | 0.7    | 0.7    | 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° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 75°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 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)