

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: P1307794

Luminaire Tested: P3SQAS09R159030DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307794  
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: P3SQAS09R159030DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

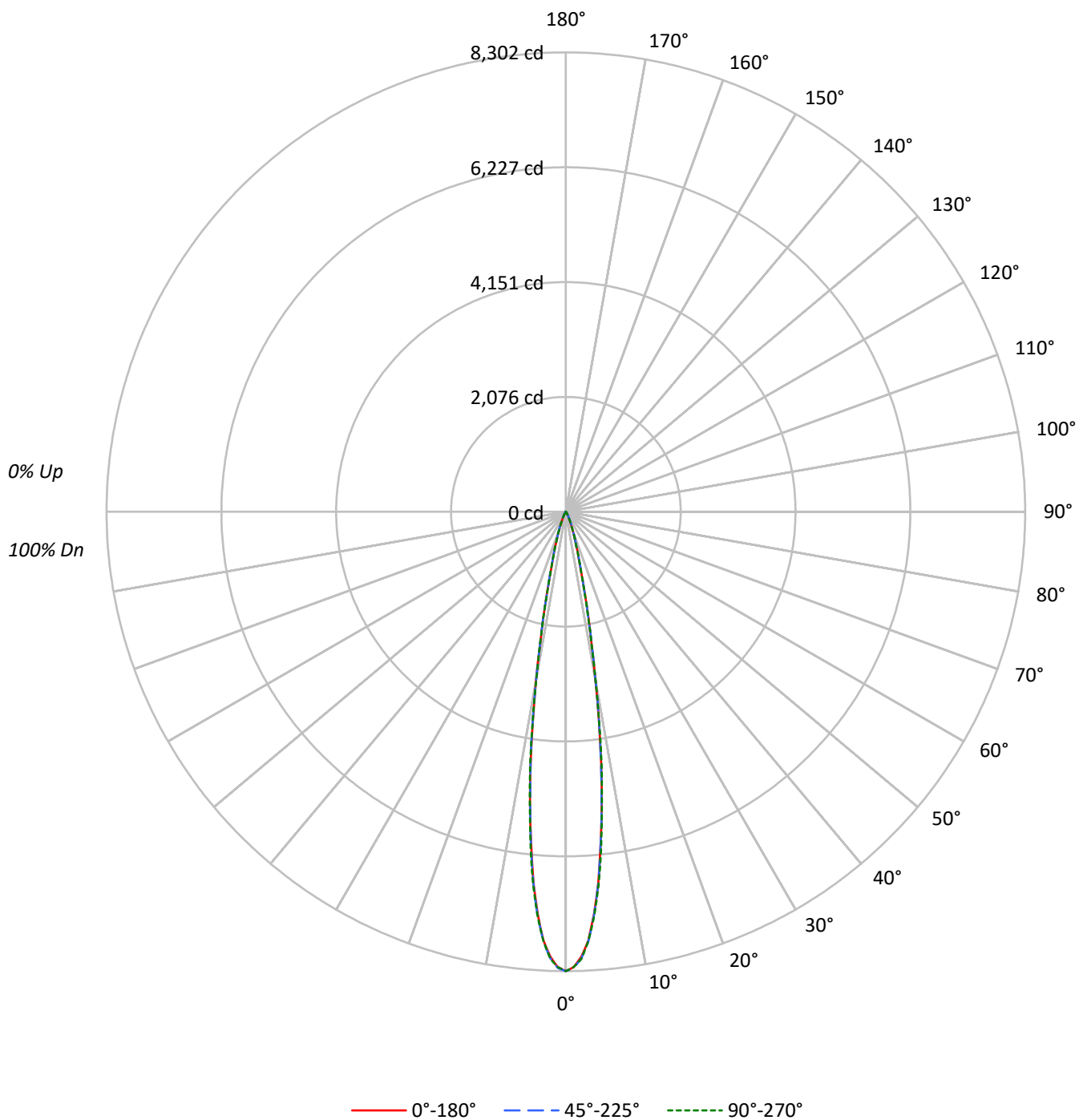
Lumens per Lamp: N/A  
Luminaire Lumens: 932.0 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 98  | 98  |
| 2   | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 | 102 | 100 | 99  | 99  | 98  | 97  | 96  | 96  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 104 | 102 | 99  | 102 | 100 | 98  | 100 | 98  | 96  | 98  | 96  | 95  | 94  | 94  | 94  |
| 4   | 107 | 102 | 99  | 97  | 106 | 101 | 98  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92  | 92  |
| 5   | 105 | 100 | 96  | 94  | 103 | 99  | 96  | 93  | 97  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 90  | 90  | 90  |
| 6   | 102 | 97  | 94  | 91  | 101 | 97  | 93  | 91  | 95  | 92  | 90  | 94  | 92  | 90  | 93  | 91  | 89  | 88  | 88  | 88  |
| 7   | 100 | 95  | 92  | 89  | 99  | 94  | 91  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 92  | 89  | 88  | 87  | 87  | 87  |
| 8   | 98  | 93  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 87  | 91  | 88  | 87  | 90  | 88  | 86  | 85  | 85  | 85  |
| 9   | 97  | 91  | 88  | 86  | 96  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 87  | 85  | 89  | 86  | 85  | 84  | 84  | 84  |
| 10  | 95  | 89  | 86  | 84  | 94  | 89  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 84  | 87  | 85  | 83  | 83  | 83  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1429792 | 1429792 | 1429792 |
| 5°  | 1162621 | 1166684 | 1170729 |
| 10° | 541462  | 541969  | 539013  |
| 15° | 167529  | 173537  | 170275  |
| 20° | 66786   | 70543   | 65979   |
| 25° | 27953   | 32951   | 26566   |
| 30° | 11355   | 15134   | 10480   |
| 35° | 3700    | 6917    | 3385    |
| 40° | 1326    | 2788    | 1326    |
| 45° | 536     | 901     | 536     |
| 50° | 402     | 589     | 402     |
| 55° | 450     | 450     | 450     |
| 60° | 517     | 517     | 517     |
| 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: 901 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 519.7  | 55.8      |
| 10°-20°   | 310.7  | 33.3      |
| 20°-30°   | 79.1   | 8.5       |
| 30°-40°   | 17.2   | 1.8       |
| 40°-50°   | 2.8    | 0.3       |
| 50°-60°   | 1.4    | 0.1       |
| 60°-70°   | 0.8    | 0.1       |
| 70°-80°   | 0.5    | 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°    | 909.4  | 97.6      |
| 0°-40°    | 926.6  | 99.4      |
| 0°-60°    | 930.7  | 99.9      |
| 0°-90°    | 932.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 932.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 8302 | 8302  | 8302 | 8302  | 8302 |      |
| 5°  | 6725 | 6735  | 6748 | 6718  | 6772 | 519  |
| 15° | 940  | 966   | 973  | 959   | 955  | 309  |
| 25° | 147  | 157   | 173  | 154   | 140  | 75   |
| 35° | 18   | 23    | 33   | 22    | 16   | 14   |
| 45° | 2    | 3     | 4    | 3     | 2    | 2    |
| 55° | 2    | 2     | 2    | 2     | 2    | 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°    | 8302.0 | 8302.0 | 8302.0 | 8302.0 | 8302.0 |
| 1°    | 8229.6 | 8243.5 | 8245.7 | 8243.5 | 8231.8 |
| 2°    | 8044.4 | 8085.4 | 8076.6 | 8059.1 | 8084.0 |
| 3°    | 7758.3 | 7778.8 | 7775.9 | 7777.3 | 7771.5 |
| 4°    | 7292.9 | 7328.8 | 7308.3 | 7323.6 | 7325.1 |
| 5°    | 6725.0 | 6734.6 | 6748.5 | 6717.7 | 6771.9 |
| 6°    | 6026.2 | 6086.9 | 6033.5 | 6086.2 | 6107.4 |
| 7°    | 5315.6 | 5350.8 | 5282.7 | 5319.3 | 5341.2 |
| 8°    | 4589.0 | 4527.5 | 4564.8 | 4565.6 | 4638.0 |
| 9°    | 3804.5 | 3817.0 | 3848.4 | 3812.6 | 3844.0 |
| 10°   | 3096.2 | 3124.7 | 3099.1 | 3086.6 | 3082.2 |
| 11°   | 2444.9 | 2477.1 | 2474.9 | 2478.5 | 2454.4 |
| 12°   | 1967.0 | 1950.2 | 1961.2 | 1925.3 | 1941.4 |
| 13°   | 1530.9 | 1531.6 | 1522.8 | 1508.2 | 1495.0 |
| 14°   | 1199.4 | 1192.1 | 1212.6 | 1194.3 | 1177.4 |
| 15°   | 939.6  | 965.9  | 973.3  | 959.4  | 955.0  |
| 17.5° | 579.6  | 580.3  | 590.5  | 577.4  | 575.9  |
| 20°   | 364.4  | 373.2  | 384.9  | 371.0  | 360.0  |
| 22.5° | 230.5  | 238.6  | 256.9  | 239.3  | 223.9  |
| 25°   | 147.1  | 157.3  | 173.4  | 153.7  | 139.8  |
| 27.5° | 92.2   | 101.7  | 117.1  | 98.8   | 88.5   |
| 30°   | 57.1   | 63.7   | 76.1   | 62.2   | 52.7   |
| 32.5° | 32.9   | 39.5   | 49.8   | 37.3   | 31.5   |
| 35°   | 17.6   | 22.7   | 32.9   | 22.0   | 16.1   |
| 37.5° | 10.2   | 13.2   | 21.2   | 11.7   | 9.5    |
| 40°   | 5.9    | 8.0    | 12.4   | 7.3    | 5.9    |
| 42.5° | 3.7    | 5.1    | 5.9    | 4.4    | 2.9    |
| 45°   | 2.2    | 2.9    | 3.7    | 2.9    | 2.2    |
| 47.5° | 1.5    | 2.2    | 2.9    | 1.5    | 1.5    |
| 50°   | 1.5    | 1.5    | 2.2    | 1.5    | 1.5    |
| 52.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 55°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 57.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 60°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 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)