

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: P1316286

Luminaire Tested: P3SQAS13R459827DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316286  
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: P3SQAS13R459827DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

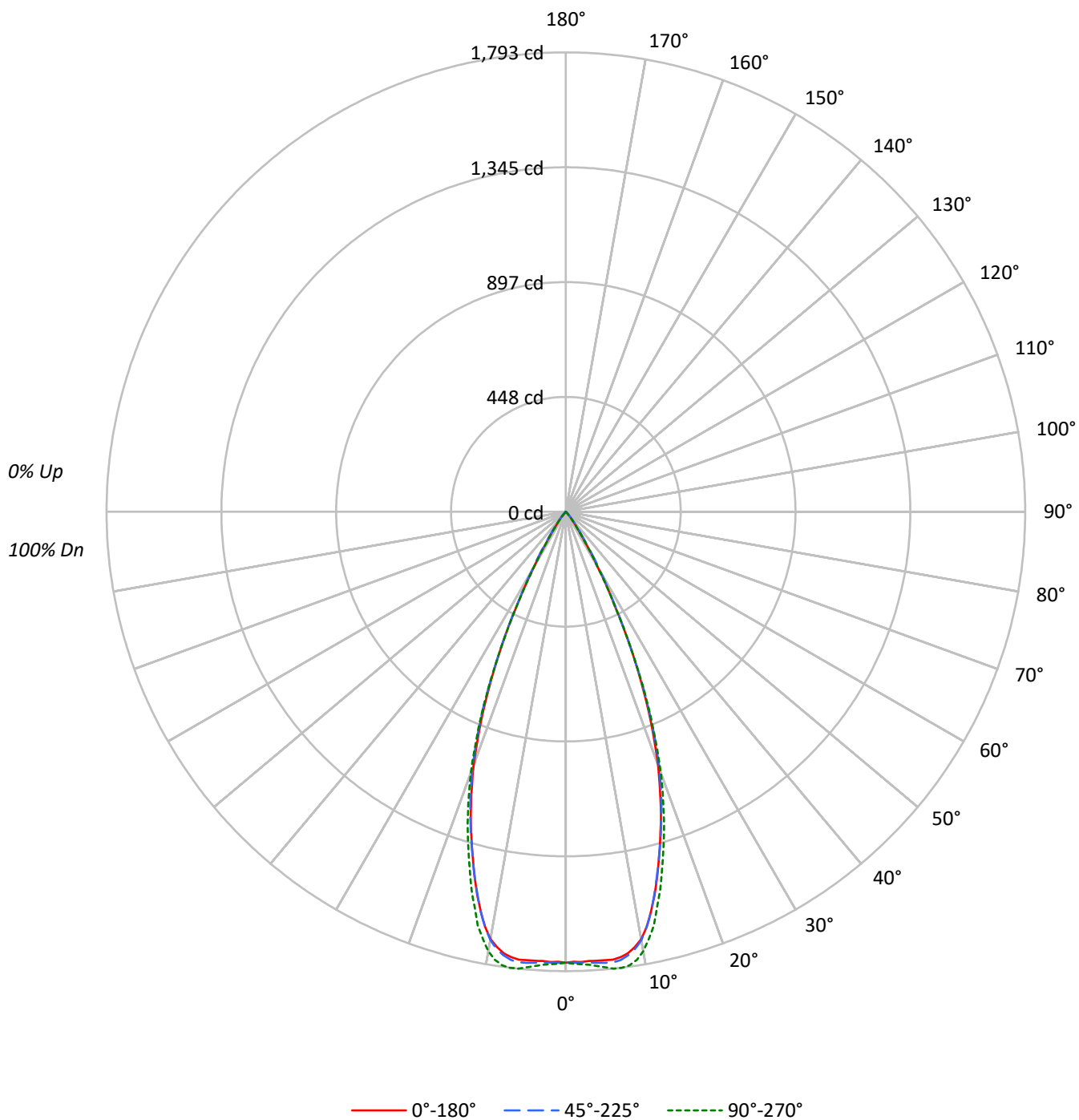
Lumens per Lamp: N/A  
Luminaire Lumens: 910.0 lumens  
Efficiency: N/A  
Efficacy: 62.8 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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°  | 303129 | 303129 | 303129 |
| 5°  | 303820 | 305566 | 308609 |
| 10° | 296211 | 296805 | 304605 |
| 15° | 249902 | 250027 | 258229 |
| 20° | 192897 | 195628 | 198854 |
| 25° | 119679 | 119793 | 120572 |
| 30° | 49378  | 52461  | 48563  |
| 35° | 15369  | 18775  | 14780  |
| 40° | 4721   | 6542   | 4406   |
| 45° | 341    | 2460   | 341    |
| 50° | 0      | 375    | 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: 2460 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 167.5  | 18.4      |
| 10°-20°   | 389.5  | 42.8      |
| 20°-30°   | 285.7  | 31.4      |
| 30°-40°   | 61.4   | 6.7       |
| 40°-50°   | 5.9    | 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°    | 842.7  | 92.6      |
| 0°-40°    | 904.1  | 99.4      |
| 0°-60°    | 910.0  | 100.0     |
| 0°-90°    | 910.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 910.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1760 | 1760  | 1760 | 1760  | 1760 |      |
| 5°  | 1757 | 1762  | 1768 | 1780  | 1785 | 166  |
| 15° | 1402 | 1399  | 1402 | 1425  | 1448 | 386  |
| 25° | 630  | 628   | 630  | 630   | 634  | 282  |
| 35° | 73   | 78    | 89   | 76    | 70   | 58   |
| 45° | 1    | 4     | 10   | 4     | 1    | 3    |
| 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°    | 1760.1 | 1760.1 | 1760.1 | 1760.1 | 1760.1 |
| 1°    | 1756.7 | 1760.8 | 1760.8 | 1763.5 | 1764.8 |
| 2°    | 1758.1 | 1760.8 | 1760.1 | 1764.8 | 1766.9 |
| 3°    | 1756.0 | 1760.8 | 1762.1 | 1767.5 | 1770.9 |
| 4°    | 1756.7 | 1760.8 | 1764.8 | 1773.0 | 1777.7 |
| 5°    | 1757.4 | 1762.1 | 1767.5 | 1779.7 | 1785.1 |
| 6°    | 1758.1 | 1761.5 | 1767.5 | 1783.1 | 1793.2 |
| 7°    | 1751.3 | 1756.0 | 1762.8 | 1782.4 | 1793.2 |
| 8°    | 1740.5 | 1743.2 | 1748.6 | 1774.3 | 1787.2 |
| 9°    | 1720.2 | 1719.5 | 1727.6 | 1756.0 | 1770.9 |
| 10°   | 1693.8 | 1685.7 | 1697.2 | 1725.6 | 1741.8 |
| 11°   | 1651.2 | 1642.4 | 1652.5 | 1683.0 | 1698.5 |
| 12°   | 1595.7 | 1595.7 | 1597.8 | 1624.8 | 1651.9 |
| 13°   | 1536.9 | 1530.1 | 1534.2 | 1564.6 | 1583.5 |
| 14°   | 1471.9 | 1465.2 | 1469.2 | 1492.2 | 1522.0 |
| 15°   | 1401.6 | 1398.9 | 1402.3 | 1424.6 | 1448.3 |
| 17.5° | 1234.5 | 1228.4 | 1240.6 | 1262.9 | 1275.1 |
| 20°   | 1052.5 | 1062.7 | 1067.4 | 1081.6 | 1085.0 |
| 22.5° | 843.5  | 854.3  | 861.1  | 863.1  | 865.2  |
| 25°   | 629.8  | 627.7  | 630.4  | 630.4  | 634.5  |
| 27.5° | 414.0  | 414.0  | 421.4  | 416.7  | 412.0  |
| 30°   | 248.3  | 258.4  | 263.8  | 255.0  | 244.2  |
| 32.5° | 135.3  | 145.4  | 154.2  | 141.4  | 131.9  |
| 35°   | 73.1   | 78.5   | 89.3   | 76.4   | 70.3   |
| 37.5° | 39.9   | 44.6   | 51.4   | 43.3   | 39.9   |
| 40°   | 21.0   | 25.7   | 29.1   | 25.7   | 19.6   |
| 42.5° | 6.8    | 12.9   | 16.9   | 12.9   | 6.1    |
| 45°   | 1.4    | 4.1    | 10.1   | 4.1    | 1.4    |
| 47.5° | 0.0    | 0.7    | 4.7    | 0.7    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.4    | 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)