

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: P1312482

Luminaire Tested: P3SQAS13R459727DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312482  
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: P3SQAS13R459727DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

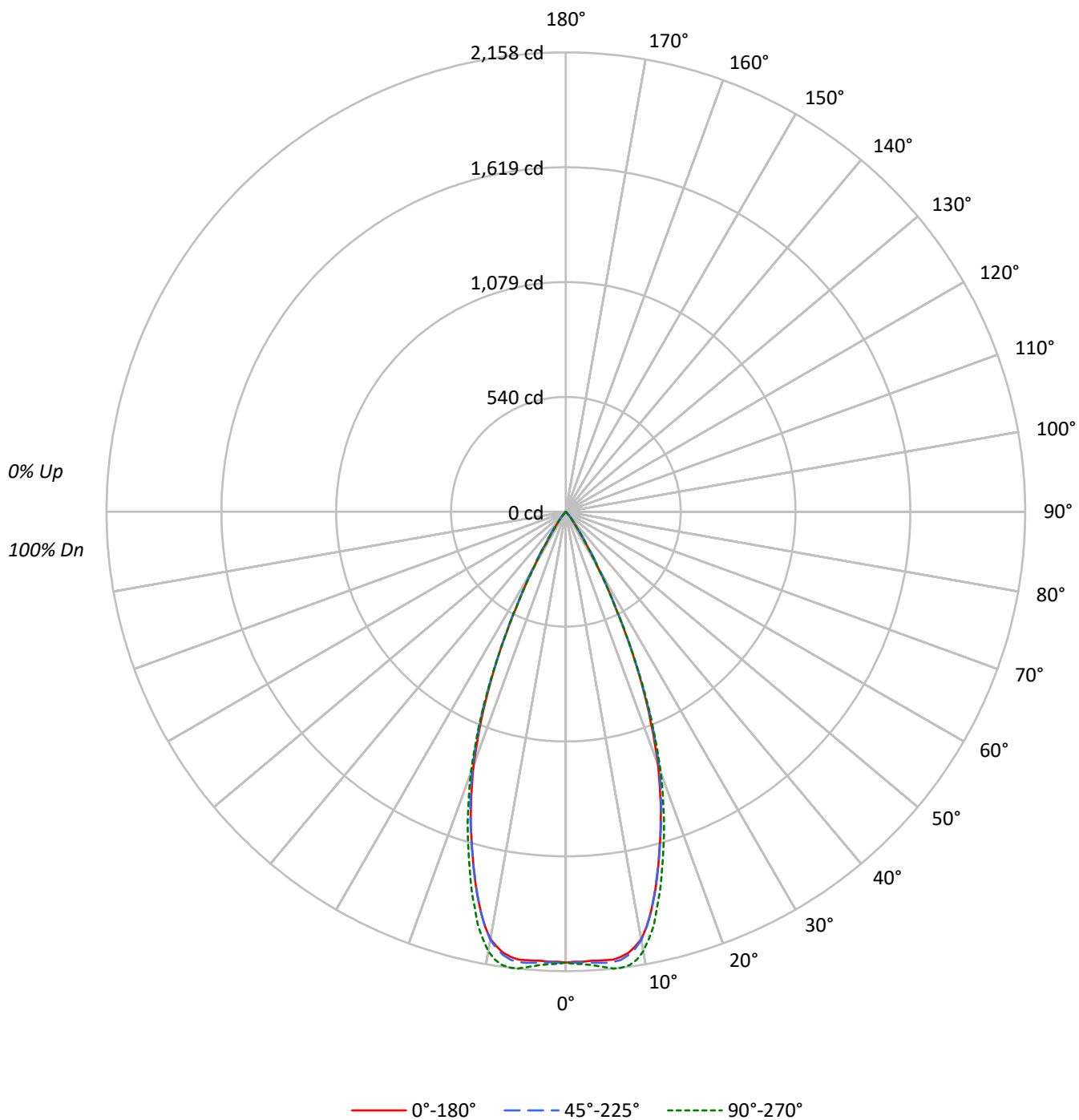
Lumens per Lamp: N/A  
Luminaire Lumens: 1095.0 lumens  
Efficiency: N/A  
Efficacy: 75.0 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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°  | 364750 | 364750 | 364750 |
| 5°  | 365590 | 367700 | 371347 |
| 10° | 356439 | 357139 | 366530 |
| 15° | 300700 | 300842 | 310720 |
| 20° | 232118 | 235399 | 239285 |
| 25° | 144002 | 144154 | 145085 |
| 30° | 59401  | 63120  | 58427  |
| 35° | 18481  | 22580  | 17808  |
| 40° | 5665   | 7869   | 5306   |
| 45° | 390    | 2971   | 390    |
| 50° | 0      | 429    | 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: 2971 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 201.6  | 18.4      |
| 10°-20°   | 468.7  | 42.8      |
| 20°-30°   | 343.8  | 31.4      |
| 30°-40°   | 73.9   | 6.7       |
| 40°-50°   | 7.0    | 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°    | 1014.0 | 92.6      |
| 0°-40°    | 1087.9 | 99.4      |
| 0°-60°    | 1095.0 | 100.0     |
| 0°-90°    | 1095.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1095.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2118 | 2118  | 2118 | 2118  | 2118 |      |
| 5°  | 2115 | 2120  | 2127 | 2142  | 2148 | 200  |
| 15° | 1686 | 1683  | 1687 | 1714  | 1743 | 464  |
| 25° | 758  | 755   | 759  | 759   | 764  | 340  |
| 35° | 88   | 94    | 107  | 92    | 85   | 69   |
| 45° | 2    | 5     | 12   | 5     | 2    | 4    |
| 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°    | 2117.9 | 2117.9 | 2117.9 | 2117.9 | 2117.9 |
| 1°    | 2113.9 | 2118.7 | 2118.7 | 2122.0 | 2123.6 |
| 2°    | 2115.5 | 2118.7 | 2117.9 | 2123.6 | 2126.1 |
| 3°    | 2113.0 | 2118.7 | 2120.4 | 2126.9 | 2130.9 |
| 4°    | 2113.9 | 2118.7 | 2123.6 | 2133.4 | 2139.1 |
| 5°    | 2114.7 | 2120.4 | 2126.9 | 2141.5 | 2148.0 |
| 6°    | 2115.5 | 2119.5 | 2126.9 | 2145.6 | 2157.8 |
| 7°    | 2107.3 | 2113.0 | 2121.2 | 2144.8 | 2157.8 |
| 8°    | 2094.3 | 2097.6 | 2104.1 | 2135.0 | 2150.5 |
| 9°    | 2069.9 | 2069.1 | 2078.9 | 2113.0 | 2130.9 |
| 10°   | 2038.2 | 2028.4 | 2042.2 | 2076.4 | 2095.9 |
| 11°   | 1986.9 | 1976.3 | 1988.5 | 2025.1 | 2043.9 |
| 12°   | 1920.1 | 1920.1 | 1922.6 | 1955.1 | 1987.7 |
| 13°   | 1849.3 | 1841.2 | 1846.1 | 1882.7 | 1905.5 |
| 14°   | 1771.2 | 1763.0 | 1767.9 | 1795.6 | 1831.4 |
| 15°   | 1686.5 | 1683.3 | 1687.3 | 1714.2 | 1742.7 |
| 17.5° | 1485.5 | 1478.1 | 1492.8 | 1519.7 | 1534.3 |
| 20°   | 1266.5 | 1278.7 | 1284.4 | 1301.5 | 1305.6 |
| 22.5° | 1015.0 | 1028.0 | 1036.2 | 1038.6 | 1041.1 |
| 25°   | 757.8  | 755.4  | 758.6  | 758.6  | 763.5  |
| 27.5° | 498.1  | 498.1  | 507.1  | 501.4  | 495.7  |
| 30°   | 298.7  | 310.9  | 317.4  | 306.9  | 293.8  |
| 32.5° | 162.8  | 175.0  | 185.6  | 170.1  | 158.7  |
| 35°   | 87.9   | 94.4   | 107.4  | 92.0   | 84.7   |
| 37.5° | 48.0   | 53.7   | 61.9   | 52.1   | 48.0   |
| 40°   | 25.2   | 30.9   | 35.0   | 30.9   | 23.6   |
| 42.5° | 8.1    | 15.5   | 20.3   | 15.5   | 7.3    |
| 45°   | 1.6    | 4.9    | 12.2   | 4.9    | 1.6    |
| 47.5° | 0.0    | 0.8    | 5.7    | 0.8    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.6    | 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)