

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: P1305970

Luminaire Tested: P3SQAS13R509024DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305970  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R509024DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

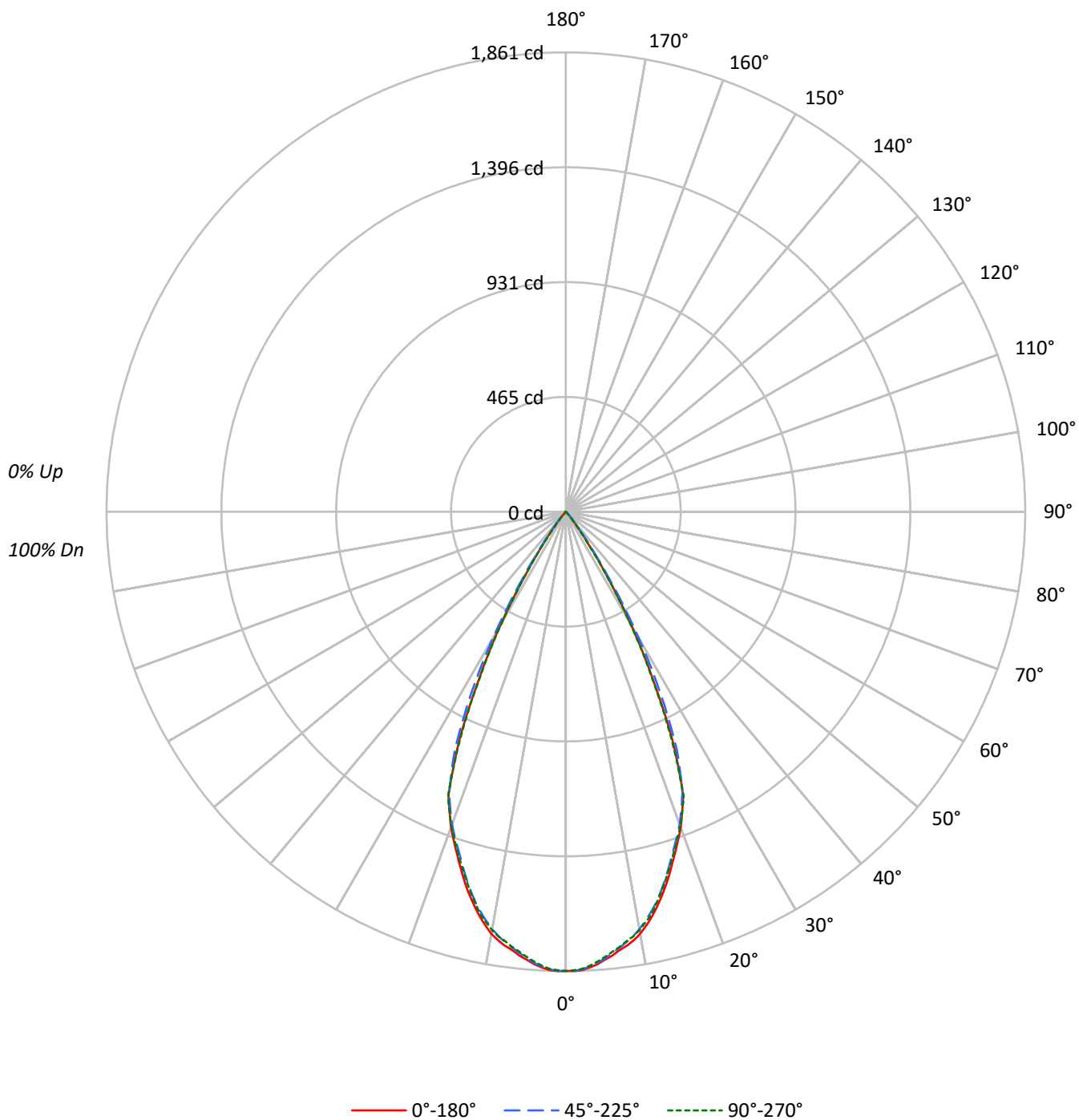
Lumens per Lamp: N/A  
Luminaire Lumens: 1198.0 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 106 | 104 | 102 | 102 | 101 | 99  | 98  | 97  | 97  | 97  | 97  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 95  | 97  | 95  | 93  | 95  | 93  | 91  | 91  | 91  | 90  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 88  | 86  | 86  | 86  | 85  |
| 4   | 100 | 94  | 89  | 85  | 99  | 93  | 88  | 85  | 90  | 87  | 84  | 89  | 85  | 83  | 87  | 84  | 82  | 82  | 82  | 80  |
| 5   | 96  | 89  | 84  | 80  | 95  | 88  | 83  | 79  | 86  | 82  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 77  | 77  | 76  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 79  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 73  | 73  | 72  |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 70  | 77  | 73  | 70  | 76  | 72  | 70  | 70  | 70  | 69  |
| 8   | 85  | 76  | 71  | 67  | 83  | 76  | 71  | 67  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 66  | 66  | 65  |
| 9   | 81  | 73  | 67  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 64  | 70  | 66  | 63  | 70  | 66  | 63  | 63  | 63  | 62  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 60  | 67  | 63  | 60  | 67  | 63  | 60  | 60  | 60  | 59  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 320403 | 320403 | 320403 |
| 5°  | 314815 | 313916 | 313035 |
| 10° | 303608 | 300320 | 300915 |
| 15° | 279304 | 275791 | 276540 |
| 20° | 249401 | 247037 | 248467 |
| 25° | 194112 | 202245 | 191984 |
| 30° | 105140 | 117410 | 103271 |
| 35° | 33156  | 39463  | 32420  |
| 40° | 7329   | 10207  | 6924   |
| 45° | 219    | 3142   | 219    |
| 50° | 0      | 455    | 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: 3142 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 170.4  | 14.2      |
| 10°-20°   | 433.1  | 36.1      |
| 20°-30°   | 456.1  | 38.1      |
| 30°-40°   | 130.3  | 10.9      |
| 40°-50°   | 8.1    | 0.7       |
| 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°    | 1059.6 | 88.4      |
| 0°-40°    | 1189.9 | 99.3      |
| 0°-60°    | 1198.0 | 100.0     |
| 0°-90°    | 1198.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1198.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1860 | 1860  | 1860 | 1860  | 1860 |      |
| 5°  | 1821 | 1819  | 1816 | 1814  | 1811 | 171  |
| 15° | 1566 | 1556  | 1547 | 1549  | 1551 | 436  |
| 25° | 1022 | 1059  | 1064 | 1052  | 1010 | 447  |
| 35° | 158  | 169   | 188  | 159   | 154  | 123  |
| 45° | 1    | 4     | 13   | 4     | 1    | 5    |
| 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°    | 1860.4 | 1860.4 | 1860.4 | 1860.4 | 1860.4 |
| 1°    | 1861.2 | 1862.1 | 1860.4 | 1862.1 | 1857.8 |
| 2°    | 1858.7 | 1857.0 | 1855.2 | 1856.1 | 1853.5 |
| 3°    | 1849.2 | 1848.4 | 1845.0 | 1845.8 | 1842.4 |
| 4°    | 1837.3 | 1834.7 | 1832.1 | 1830.4 | 1827.0 |
| 5°    | 1821.0 | 1819.3 | 1815.8 | 1814.1 | 1810.7 |
| 6°    | 1807.3 | 1803.8 | 1797.8 | 1796.1 | 1792.7 |
| 7°    | 1789.3 | 1787.6 | 1779.8 | 1778.1 | 1776.4 |
| 8°    | 1775.6 | 1770.4 | 1761.0 | 1761.8 | 1757.6 |
| 9°    | 1757.6 | 1750.7 | 1741.3 | 1741.3 | 1742.1 |
| 10°   | 1736.1 | 1725.9 | 1717.3 | 1719.9 | 1720.7 |
| 11°   | 1707.9 | 1701.0 | 1688.1 | 1694.1 | 1694.1 |
| 12°   | 1677.0 | 1668.4 | 1659.0 | 1664.2 | 1667.6 |
| 13°   | 1641.0 | 1634.2 | 1625.6 | 1630.7 | 1629.0 |
| 14°   | 1605.9 | 1593.0 | 1587.0 | 1593.9 | 1591.3 |
| 15°   | 1566.5 | 1556.2 | 1546.8 | 1549.3 | 1551.0 |
| 17.5° | 1461.1 | 1449.9 | 1443.1 | 1443.9 | 1451.6 |
| 20°   | 1360.8 | 1356.5 | 1347.9 | 1351.4 | 1355.7 |
| 22.5° | 1242.5 | 1244.3 | 1234.0 | 1236.5 | 1246.8 |
| 25°   | 1021.5 | 1059.2 | 1064.3 | 1052.3 | 1010.3 |
| 27.5° | 756.7  | 813.2  | 830.4  | 802.9  | 751.5  |
| 30°   | 528.7  | 544.1  | 590.4  | 538.2  | 519.3  |
| 32.5° | 310.2  | 333.3  | 358.2  | 322.2  | 309.4  |
| 35°   | 157.7  | 168.8  | 187.7  | 159.4  | 154.2  |
| 37.5° | 72.8   | 78.0   | 85.7   | 72.8   | 68.6   |
| 40°   | 32.6   | 38.6   | 45.4   | 36.8   | 30.8   |
| 42.5° | 10.3   | 18.0   | 24.0   | 16.3   | 9.4    |
| 45°   | 0.9    | 4.3    | 12.9   | 4.3    | 0.9    |
| 47.5° | 0.0    | 0.9    | 5.1    | 0.9    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.7    | 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)