

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: P1316634

Luminaire Tested: P3SQAS02R159830DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316634  
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: P3SQAS02R159830DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

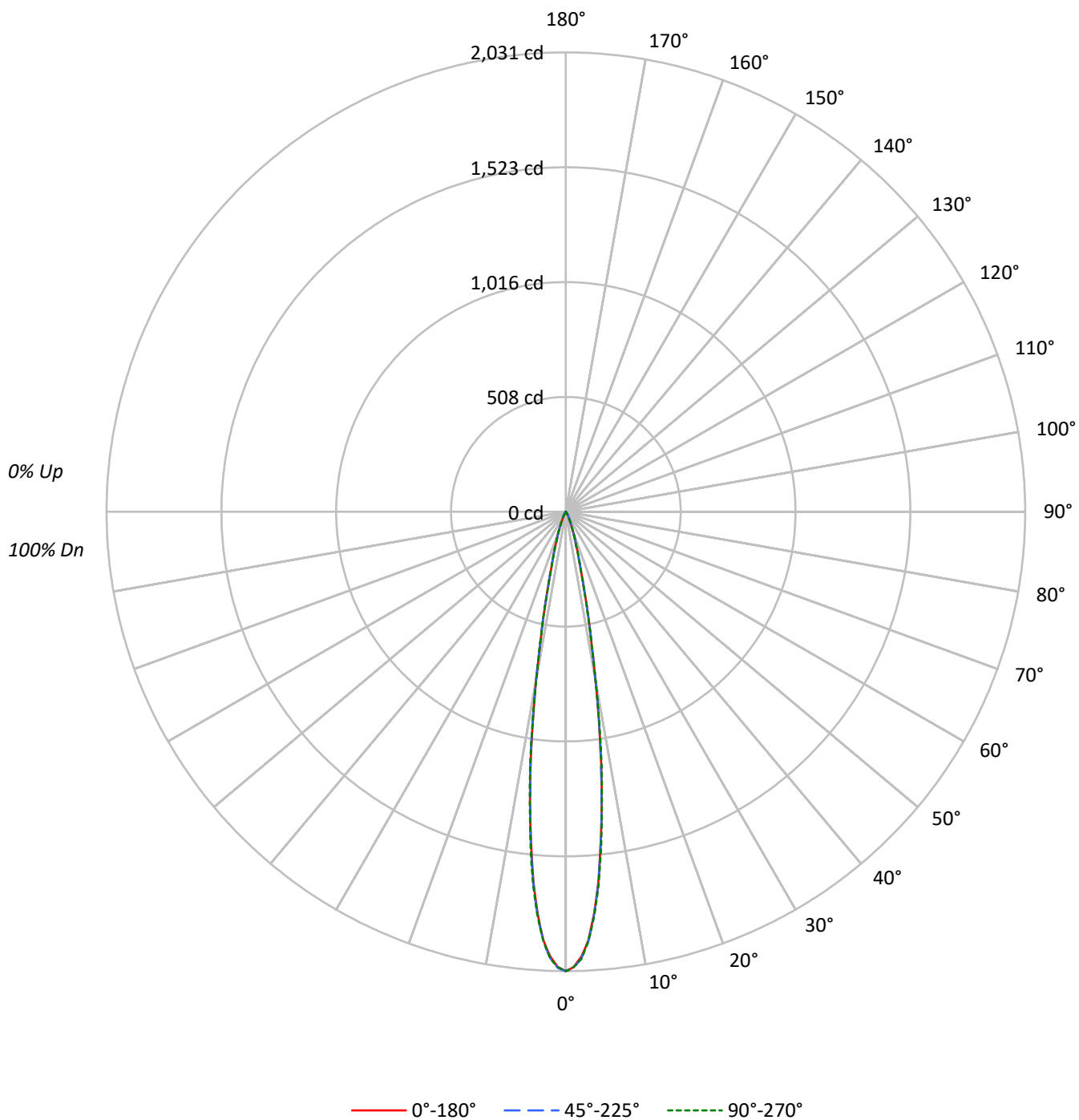
Lumens per Lamp: N/A  
Luminaire Lumens: 228.1 lumens  
Efficiency: N/A  
Efficacy: 63.4 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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 | 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  | 92  | 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  | 88  | 92  | 90  | 88  | 92  | 89  | 88  | 87  | 87  | 87  |
| 8   | 98  | 93  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 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°  | 349784 | 349784 | 349784 |
| 5°  | 284423 | 285408 | 286394 |
| 10° | 132454 | 132576 | 131859 |
| 15° | 40991  | 42453  | 41650  |
| 20° | 16348  | 17265  | 16147  |
| 25° | 6841   | 8057   | 6499   |
| 30° | 2784   | 3699   | 2565   |
| 35° | 904    | 1703   | 820    |
| 40° | 315    | 674    | 315    |
| 45° | 122    | 219    | 122    |
| 50° | 107    | 134    | 107    |
| 55° | 120    | 120    | 120    |
| 60° | 138    | 138    | 138    |
| 65° | 82     | 82     | 82     |
| 70° | 101    | 101    | 101    |
| 75° | 133    | 133    | 133    |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 219 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 127.1  | 55.7      |
| 10°-20°   | 76.0   | 33.3      |
| 20°-30°   | 19.3   | 8.5       |
| 30°-40°   | 4.2    | 1.8       |
| 40°-50°   | 0.7    | 0.3       |
| 50°-60°   | 0.4    | 0.2       |
| 60°-70°   | 0.2    | 0.1       |
| 70°-80°   | 0.1    | 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       |
| 0°-30°    | 222.5  | 97.5      |
| 0°-40°    | 226.7  | 99.4      |
| 0°-60°    | 227.7  | 99.8      |
| 0°-90°    | 228.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 228.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2031 | 2031  | 2031 | 2031  | 2031 |      |
| 5°  | 1645 | 1648  | 1651 | 1643  | 1657 | 127  |
| 15° | 230  | 236   | 238  | 235   | 234  | 76   |
| 25° | 36   | 38    | 42   | 38    | 34   | 18   |
| 35° | 4    | 6     | 8    | 5     | 4    | 3    |
| 45° | 0    | 1     | 1    | 1     | 0    | 1    |
| 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°    | 2031.0 | 2031.0 | 2031.0 | 2031.0 | 2031.0 |
| 1°    | 2013.2 | 2016.6 | 2017.2 | 2016.6 | 2013.8 |
| 2°    | 1968.0 | 1978.0 | 1975.8 | 1971.5 | 1977.6 |
| 3°    | 1898.0 | 1903.0 | 1902.3 | 1902.6 | 1901.2 |
| 4°    | 1784.1 | 1792.9 | 1787.9 | 1791.6 | 1792.0 |
| 5°    | 1645.2 | 1647.5 | 1650.9 | 1643.4 | 1656.6 |
| 6°    | 1474.2 | 1489.1 | 1476.0 | 1488.9 | 1494.1 |
| 7°    | 1300.4 | 1309.0 | 1292.3 | 1301.3 | 1306.7 |
| 8°    | 1122.6 | 1107.6 | 1116.7 | 1116.9 | 1134.6 |
| 9°    | 930.7  | 933.8  | 941.5  | 932.7  | 940.4  |
| 10°   | 757.4  | 764.4  | 758.1  | 755.1  | 754.0  |
| 11°   | 598.1  | 606.0  | 605.4  | 606.3  | 600.4  |
| 12°   | 481.2  | 477.1  | 479.8  | 471.0  | 474.9  |
| 13°   | 374.5  | 374.7  | 372.5  | 369.0  | 365.7  |
| 14°   | 293.4  | 291.6  | 296.6  | 292.2  | 288.0  |
| 15°   | 229.9  | 236.3  | 238.1  | 234.7  | 233.6  |
| 17.5° | 141.8  | 142.0  | 144.5  | 141.2  | 140.9  |
| 20°   | 89.2   | 91.3   | 94.2   | 90.8   | 88.1   |
| 22.5° | 56.4   | 58.4   | 62.8   | 58.5   | 54.8   |
| 25°   | 36.0   | 38.5   | 42.4   | 37.6   | 34.2   |
| 27.5° | 22.6   | 24.9   | 28.6   | 24.2   | 21.7   |
| 30°   | 14.0   | 15.6   | 18.6   | 15.2   | 12.9   |
| 32.5° | 8.1    | 9.7    | 12.2   | 9.1    | 7.7    |
| 35°   | 4.3    | 5.5    | 8.1    | 5.4    | 3.9    |
| 37.5° | 2.5    | 3.2    | 5.2    | 2.9    | 2.3    |
| 40°   | 1.4    | 2.0    | 3.0    | 1.8    | 1.4    |
| 42.5° | 0.9    | 1.3    | 1.4    | 1.1    | 0.7    |
| 45°   | 0.5    | 0.7    | 0.9    | 0.7    | 0.5    |
| 47.5° | 0.4    | 0.5    | 0.7    | 0.4    | 0.4    |
| 50°   | 0.4    | 0.4    | 0.5    | 0.4    | 0.4    |
| 52.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 55°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 57.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 60°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 62.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 65°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 67.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 70°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 72.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 75°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 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)