

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: P1309769

Luminaire Tested: P3SQAS02R359040DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309769  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R359040DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

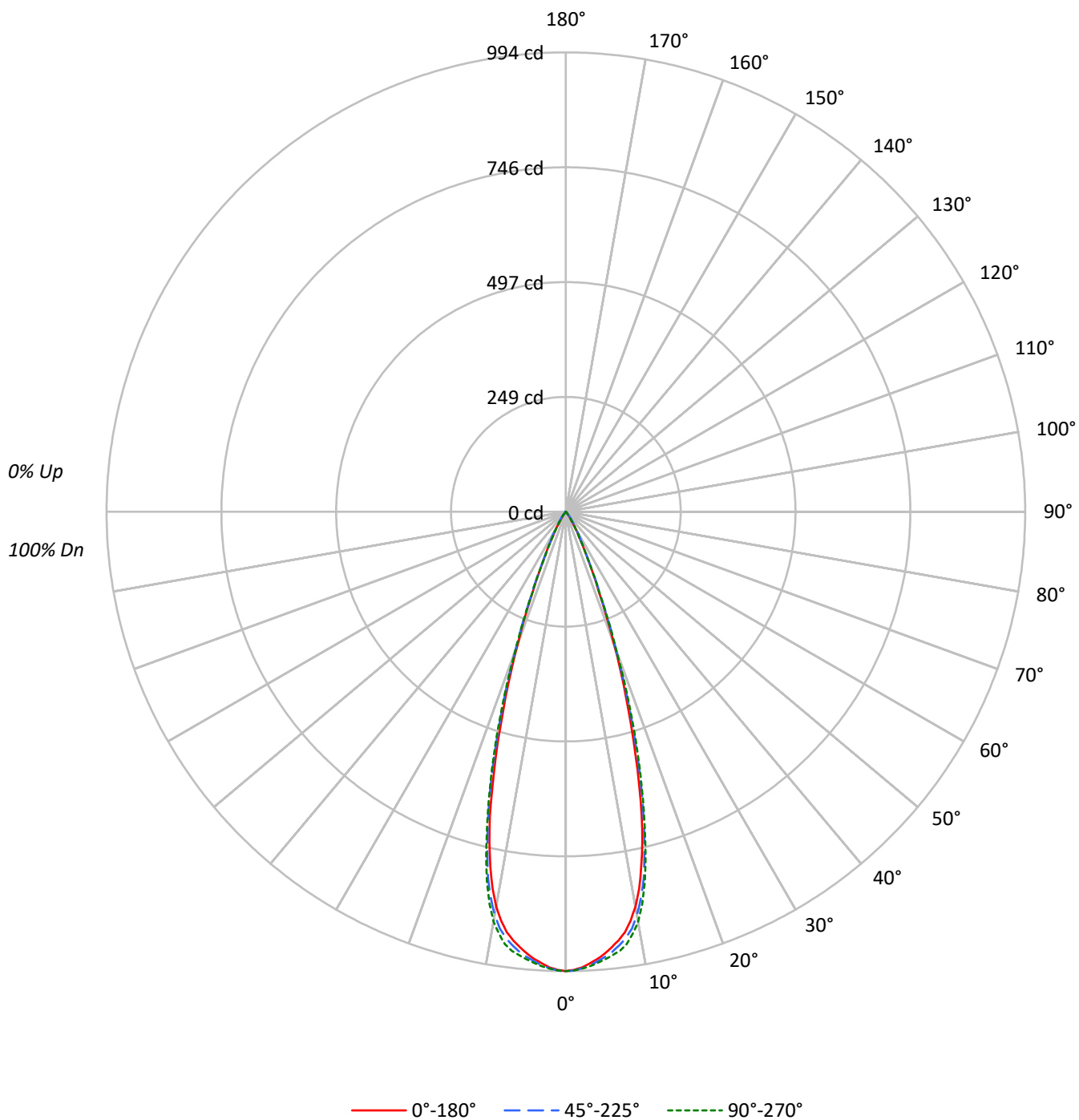
Lumens per Lamp: N/A  
Luminaire Lumens: 331.0 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 96  | 95 | 94 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98  | 100 | 98  | 96  | 97  | 96  | 94  | 93  | 92 | 91 |
| 3   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  | 96  | 94  | 92  | 94  | 92  | 91  | 89  | 88 | 87 |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 88  | 92  | 89  | 87  | 86  | 85 | 84 |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 88  | 86  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 83  | 88  | 84  | 82  | 86  | 84  | 82  | 80  | 79 | 78 |
| 7   | 94  | 88  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 77  | 76 | 75 |
| 8   | 91  | 85  | 80  | 77  | 91  | 84  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 77  | 81  | 79  | 76  | 74  | 73 | 72 |
| 9   | 89  | 82  | 78  | 75  | 88  | 81  | 77  | 75  | 81  | 77  | 74  | 80  | 77  | 74  | 79  | 76  | 74  | 71  | 70 | 69 |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 75  | 72  | 78  | 74  | 72  | 77  | 74  | 72  | 69  | 67 | 65 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 171207 | 171207 | 171207 |
| 5°  | 166017 | 167193 | 168109 |
| 10° | 151708 | 154926 | 157584 |
| 15° | 109101 | 113861 | 114806 |
| 20° | 55551  | 58337  | 58483  |
| 25° | 21074  | 21530  | 20922  |
| 30° | 8193   | 9486   | 7975   |
| 35° | 2817   | 4415   | 2649   |
| 40° | 944    | 1709   | 877    |
| 45° | 73     | 585    | 73     |
| 50° | 0      | 80     | 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: 585 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.0   | 27.2      |
| 10°-20°   | 167.7  | 50.7      |
| 20°-30°   | 60.3   | 18.2      |
| 30°-40°   | 11.8   | 3.6       |
| 40°-50°   | 1.3    | 0.4       |
| 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°    | 317.9  | 96.0      |
| 0°-40°    | 329.7  | 99.6      |
| 0°-60°    | 331.0  | 100.0     |
| 0°-90°    | 331.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 331.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 994 | 994   | 994 | 994   | 994 |      |
| 5°  | 960 | 963   | 967 | 972   | 972 | 89   |
| 15° | 612 | 622   | 639 | 643   | 644 | 163  |
| 25° | 111 | 112   | 113 | 112   | 110 | 58   |
| 35° | 13  | 15    | 21  | 16    | 13  | 10   |
| 45° | 0   | 1     | 2   | 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°    | 994.1 | 994.1 | 994.1 | 994.1 | 994.1 |
| 1°    | 991.3 | 992.6 | 992.8 | 994.7 | 992.6 |
| 2°    | 987.1 | 987.8 | 988.9 | 990.5 | 989.4 |
| 3°    | 978.9 | 980.5 | 982.9 | 985.0 | 985.0 |
| 4°    | 970.3 | 972.4 | 975.3 | 978.9 | 978.7 |
| 5°    | 960.3 | 962.9 | 967.1 | 971.6 | 972.4 |
| 6°    | 947.7 | 950.9 | 957.7 | 964.0 | 965.0 |
| 7°    | 934.4 | 939.1 | 945.6 | 954.8 | 957.2 |
| 8°    | 918.6 | 922.3 | 931.7 | 942.5 | 945.1 |
| 9°    | 895.6 | 901.1 | 913.1 | 923.1 | 924.7 |
| 10°   | 867.5 | 871.4 | 885.9 | 896.3 | 901.1 |
| 11°   | 831.3 | 837.1 | 851.3 | 862.0 | 865.1 |
| 12°   | 785.2 | 793.6 | 810.1 | 818.0 | 820.6 |
| 13°   | 735.4 | 742.5 | 755.3 | 765.0 | 767.1 |
| 14°   | 679.3 | 686.1 | 699.5 | 707.3 | 705.5 |
| 15°   | 611.9 | 622.1 | 638.6 | 643.1 | 643.9 |
| 17.5° | 452.0 | 458.5 | 473.2 | 480.3 | 485.3 |
| 20°   | 303.1 | 309.4 | 318.3 | 323.0 | 319.1 |
| 22.5° | 184.3 | 189.5 | 194.3 | 194.0 | 192.7 |
| 25°   | 110.9 | 111.9 | 113.3 | 112.5 | 110.1 |
| 27.5° | 64.8  | 67.6  | 71.6  | 68.9  | 65.0  |
| 30°   | 41.2  | 43.5  | 47.7  | 43.3  | 40.1  |
| 32.5° | 21.8  | 27.5  | 32.0  | 26.0  | 22.8  |
| 35°   | 13.4  | 15.2  | 21.0  | 15.5  | 12.6  |
| 37.5° | 8.1   | 9.4   | 13.1  | 9.2   | 7.3   |
| 40°   | 4.2   | 6.0   | 7.6   | 5.5   | 3.9   |
| 42.5° | 1.3   | 2.9   | 4.2   | 2.6   | 1.3   |
| 45°   | 0.3   | 0.8   | 2.4   | 0.8   | 0.3   |
| 47.5° | 0.0   | 0.0   | 1.0   | 0.3   | 0.0   |
| 50°   | 0.0   | 0.0   | 0.3   | 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)