

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: P1317247

Luminaire Tested: P3SQAS17R259830DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317247  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R259830DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

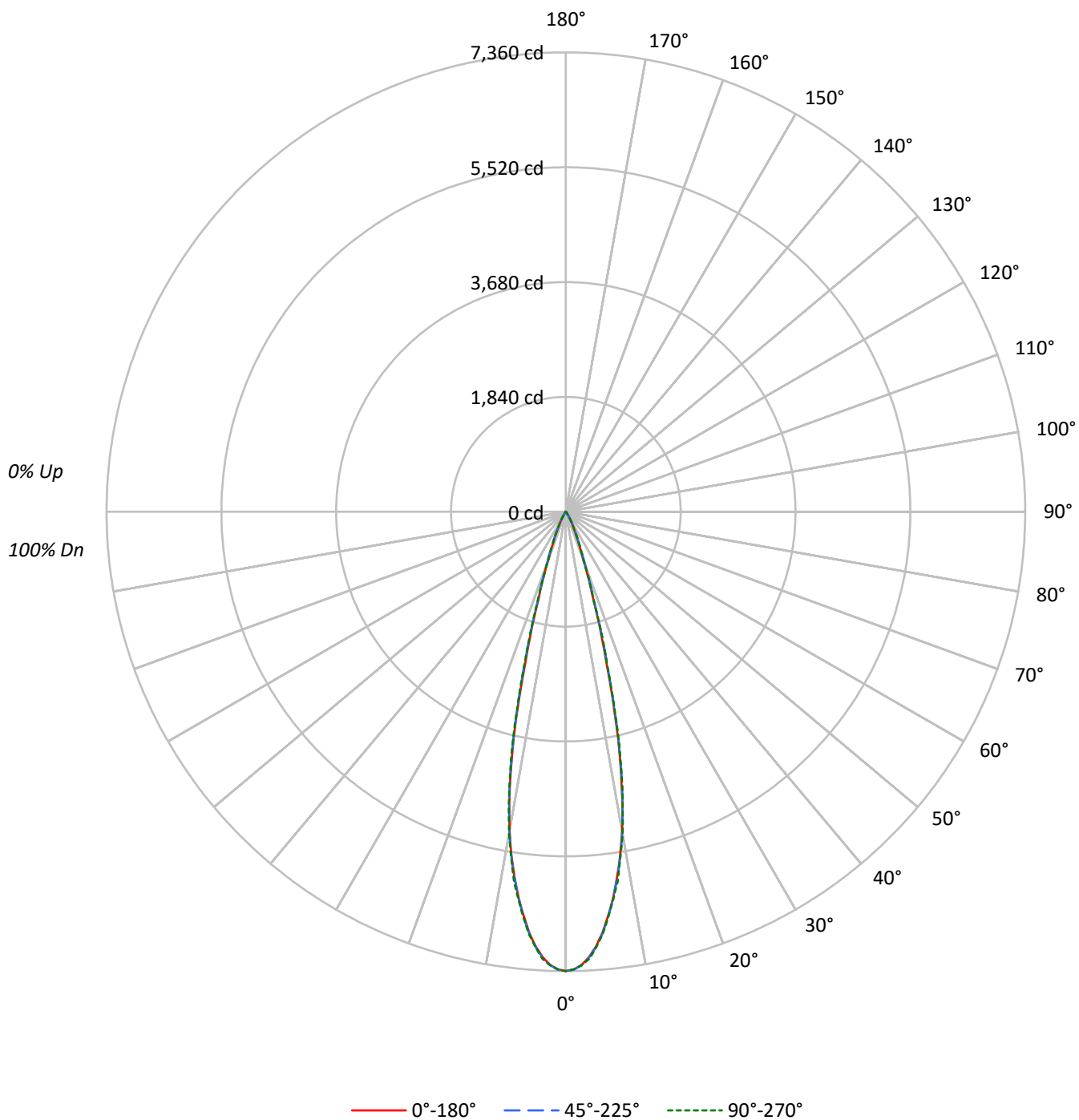
Lumens per Lamp: N/A  
Luminaire Lumens: 1532.0 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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

TEST NUMBER: P1317247

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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   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  |  | 96  | 93  | 91  |  | 94  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1267559 | 1267559 | 1267559 |
| 5°  | 1168776 | 1171404 | 1173841 |
| 10° | 907467  | 910755  | 915686  |
| 15° | 448455  | 467319  | 467533  |
| 20° | 151001  | 161136  | 154025  |
| 25° | 62538   | 69455   | 64324   |
| 30° | 24540   | 30844   | 24779   |
| 35° | 6433    | 12594   | 6665    |
| 40° | 2383    | 5014    | 2383    |
| 45° | 292     | 1437    | 292     |
| 50° | 0       | 322     | 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: 1437 cd/sqm

TEST NUMBER: P1317247

CATALOG NUMBER: P3SQAS17R259830DE010 E3SQCD1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 596.4  | 38.9      |
| 10°-20°   | 721.4  | 47.1      |
| 20°-30°   | 176.1  | 11.5      |
| 30°-40°   | 34.2   | 2.2       |
| 40°-50°   | 3.9    | 0.3       |
| 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       |
| 0°-30°    | 1493.9 | 97.5      |
| 0°-40°    | 1528.1 | 99.7      |
| 0°-60°    | 1532.0 | 100.0     |
| 0°-90°    | 1532.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1532.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7360 | 7360  | 7360 | 7360  | 7360 |      |
| 5°  | 6761 | 6770  | 6776 | 6805  | 6790 | 595  |
| 15° | 2515 | 2575  | 2621 | 2647  | 2622 | 708  |
| 25° | 329  | 347   | 366  | 350   | 338  | 167  |
| 35° | 31   | 44    | 60   | 44    | 32   | 27   |
| 45° | 1    | 4     | 6    | 4     | 1    | 2    |
| 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    |      |

TEST NUMBER: P1317247

CATALOG NUMBER: P3SQAS17R259830DE010 E3SQCD1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 7360.0 | 7360.0 | 7360.0 | 7360.0 | 7360.0 |
| 1°    | 7331.8 | 7336.5 | 7337.6 | 7344.7 | 7330.6 |
| 2°    | 7264.8 | 7266.0 | 7269.5 | 7283.6 | 7270.7 |
| 3°    | 7141.4 | 7149.6 | 7150.8 | 7169.6 | 7173.1 |
| 4°    | 6973.3 | 6978.0 | 6987.4 | 7019.1 | 6990.9 |
| 5°    | 6760.6 | 6770.0 | 6775.8 | 6805.2 | 6789.9 |
| 6°    | 6497.3 | 6499.6 | 6512.6 | 6546.6 | 6525.5 |
| 7°    | 6229.3 | 6228.1 | 6229.3 | 6256.3 | 6250.5 |
| 8°    | 5906.1 | 5900.2 | 5919.0 | 5951.9 | 5974.3 |
| 9°    | 5568.8 | 5577.0 | 5588.7 | 5620.5 | 5594.6 |
| 10°   | 5189.1 | 5211.5 | 5207.9 | 5210.3 | 5236.1 |
| 11°   | 4751.9 | 4759.0 | 4760.1 | 4784.8 | 4781.3 |
| 12°   | 4238.3 | 4238.3 | 4277.1 | 4317.0 | 4304.1 |
| 13°   | 3720.0 | 3756.4 | 3730.5 | 3738.8 | 3790.5 |
| 14°   | 3115.8 | 3144.0 | 3179.3 | 3212.2 | 3186.3 |
| 15°   | 2515.2 | 2575.2 | 2621.0 | 2646.9 | 2622.2 |
| 17.5° | 1441.0 | 1460.9 | 1499.7 | 1504.4 | 1489.2 |
| 20°   | 823.9  | 848.6  | 879.2  | 869.8  | 840.4  |
| 22.5° | 518.3  | 525.4  | 555.9  | 540.7  | 533.6  |
| 25°   | 329.1  | 346.7  | 365.5  | 350.3  | 338.5  |
| 27.5° | 204.5  | 216.3  | 236.2  | 219.8  | 206.9  |
| 30°   | 123.4  | 134.0  | 155.1  | 132.8  | 124.6  |
| 32.5° | 64.6   | 79.9   | 97.6   | 81.1   | 64.6   |
| 35°   | 30.6   | 43.5   | 59.9   | 43.5   | 31.7   |
| 37.5° | 18.8   | 23.5   | 36.4   | 23.5   | 18.8   |
| 40°   | 10.6   | 15.3   | 22.3   | 15.3   | 10.6   |
| 42.5° | 4.7    | 8.2    | 10.6   | 8.2    | 5.9    |
| 45°   | 1.2    | 3.5    | 5.9    | 3.5    | 1.2    |
| 47.5° | 0.0    | 0.0    | 3.5    | 1.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.2    | 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)