

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: P1274860

Luminaire Tested: P3AS20R559830D010 E3DLD1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1274860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R559830D010 E3DLD1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

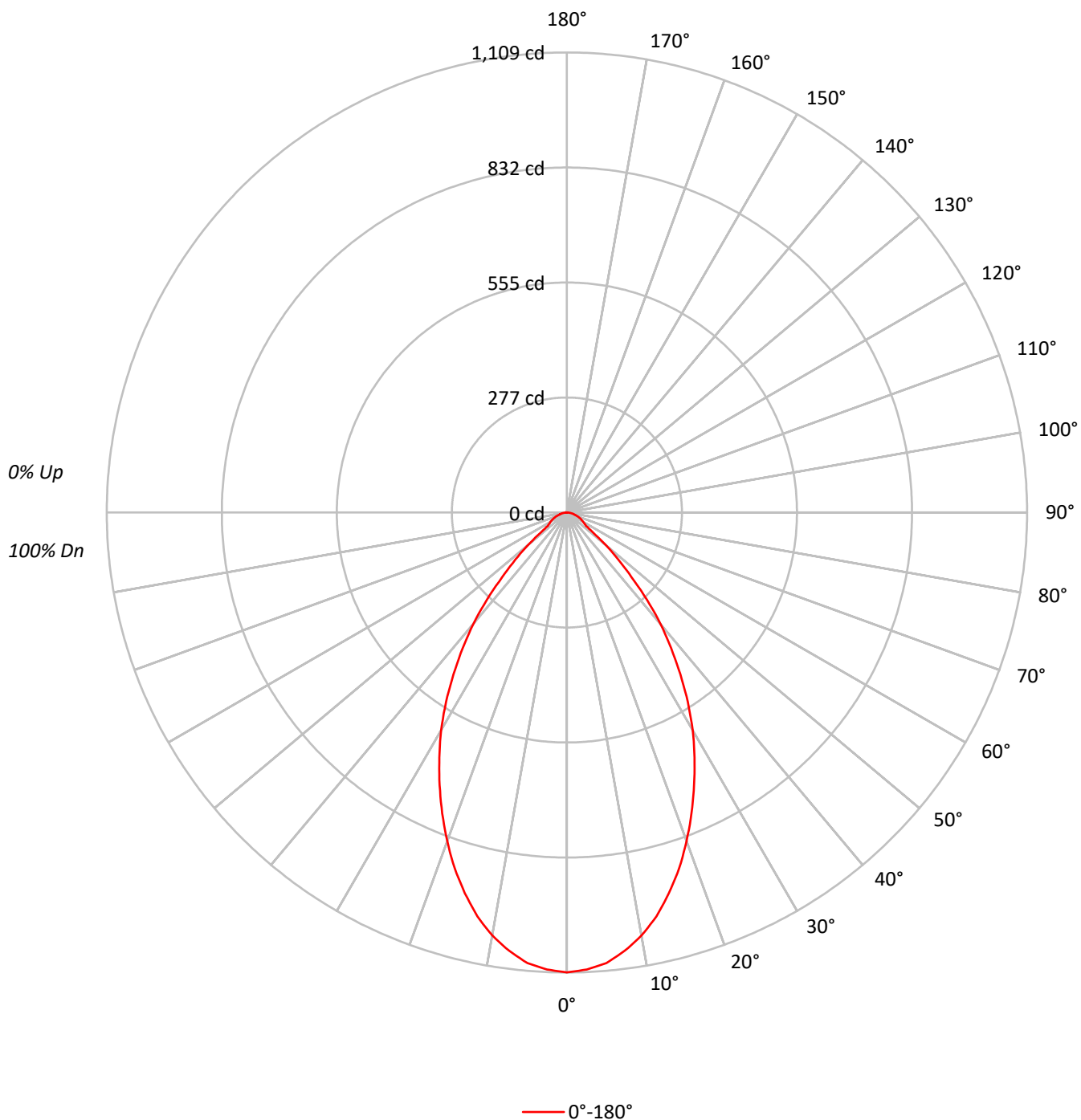
Lumens per Lamp: N/A  
Luminaire Lumens: 1293.0 lumens  
Efficiency: N/A  
Efficacy: 47.2 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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

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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 |    |    |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 93  | 91  |    |    |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  | 91  | 88  | 86  | 89  | 86  | 84  | 82  |    |    |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 74  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |    |
| 5   | 87  | 77  | 71  | 66  | 85  | 76  | 70  | 65  | 75  | 69  | 65  | 73  | 68  | 64  | 71  | 67  | 64  | 62  |    |    |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 60  | 69  | 64  | 59  | 68  | 63  | 59  | 66  | 62  | 58  | 57  |    |    |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 52  |    |    |
| 8   | 73  | 62  | 55  | 51  | 72  | 62  | 55  | 51  | 60  | 55  | 50  | 59  | 54  | 50  | 58  | 53  | 50  | 48  |    |    |
| 9   | 69  | 58  | 51  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  | 56  | 50  | 46  | 55  | 50  | 46  | 45  |    |    |
| 10  | 65  | 55  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 47  | 43  | 42  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 243116 |
| 5°  | 240017 |
| 10° | 230546 |
| 15° | 215643 |
| 20° | 196717 |
| 25° | 175510 |
| 30° | 153517 |
| 35° | 127555 |
| 40° | 100531 |
| 45° | 68193  |
| 50° | 41687  |
| 55° | 21600  |
| 60° | 20086  |
| 65° | 19042  |
| 70° | 17631  |
| 75° | 15504  |
| 80° | 15406  |
| 85° | 11573  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68193 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 102.3  | 7.9       |
| 10°-20°   | 265.5  | 20.5      |
| 20°-30°   | 332.5  | 25.7      |
| 30°-40°   | 296.8  | 23.0      |
| 40°-50°   | 173.8  | 13.4      |
| 50°-60°   | 60.0   | 4.6       |
| 60°-70°   | 36.3   | 2.8       |
| 70°-80°   | 20.1   | 1.6       |
| 80°-90°   | 5.8    | 0.5       |
| 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°    | 700.2  | 54.2      |
| 0°-40°    | 997.0  | 77.1      |
| 0°-60°    | 1230.8 | 95.2      |
| 0°-90°    | 1293.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1293.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1109 |      |
| 5°  | 1090 | 102  |
| 15° | 950  | 265  |
| 25° | 725  | 332  |
| 35° | 476  | 297  |
| 45° | 220  | 174  |
| 55° | 56   | 60   |
| 65° | 37   | 36   |
| 75° | 18   | 20   |
| 85° | 5    | 6    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1108.7 |
| 2.5°  | 1102.6 |
| 5°    | 1090.4 |
| 7.5°  | 1065.9 |
| 10°   | 1035.4 |
| 12.5° | 997.2  |
| 15°   | 949.9  |
| 17.5° | 899.5  |
| 20°   | 843.0  |
| 22.5° | 784.9  |
| 25°   | 725.4  |
| 27.5° | 665.8  |
| 30°   | 606.3  |
| 32.5° | 542.1  |
| 35°   | 476.5  |
| 37.5° | 412.3  |
| 40°   | 351.2  |
| 42.5° | 285.6  |
| 45°   | 219.9  |
| 47.5° | 168.0  |
| 50°   | 122.2  |
| 52.5° | 79.4   |
| 55°   | 56.5   |
| 57.5° | 50.4   |
| 60°   | 45.8   |
| 62.5° | 41.2   |
| 65°   | 36.7   |
| 67.5° | 32.1   |
| 70°   | 27.5   |
| 72.5° | 22.9   |
| 75°   | 18.3   |
| 77.5° | 15.3   |
| 80°   | 12.2   |
| 82.5° | 7.6    |
| 85°   | 4.6    |
| 87.5° | 3.1    |
| 90°   | 0.0    |

(END OF REPORT)