

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: P1276982

Luminaire Tested: P3AS20R659835D010 E3DL1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1276982  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R659835D010 E3DL1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 98CRI , E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

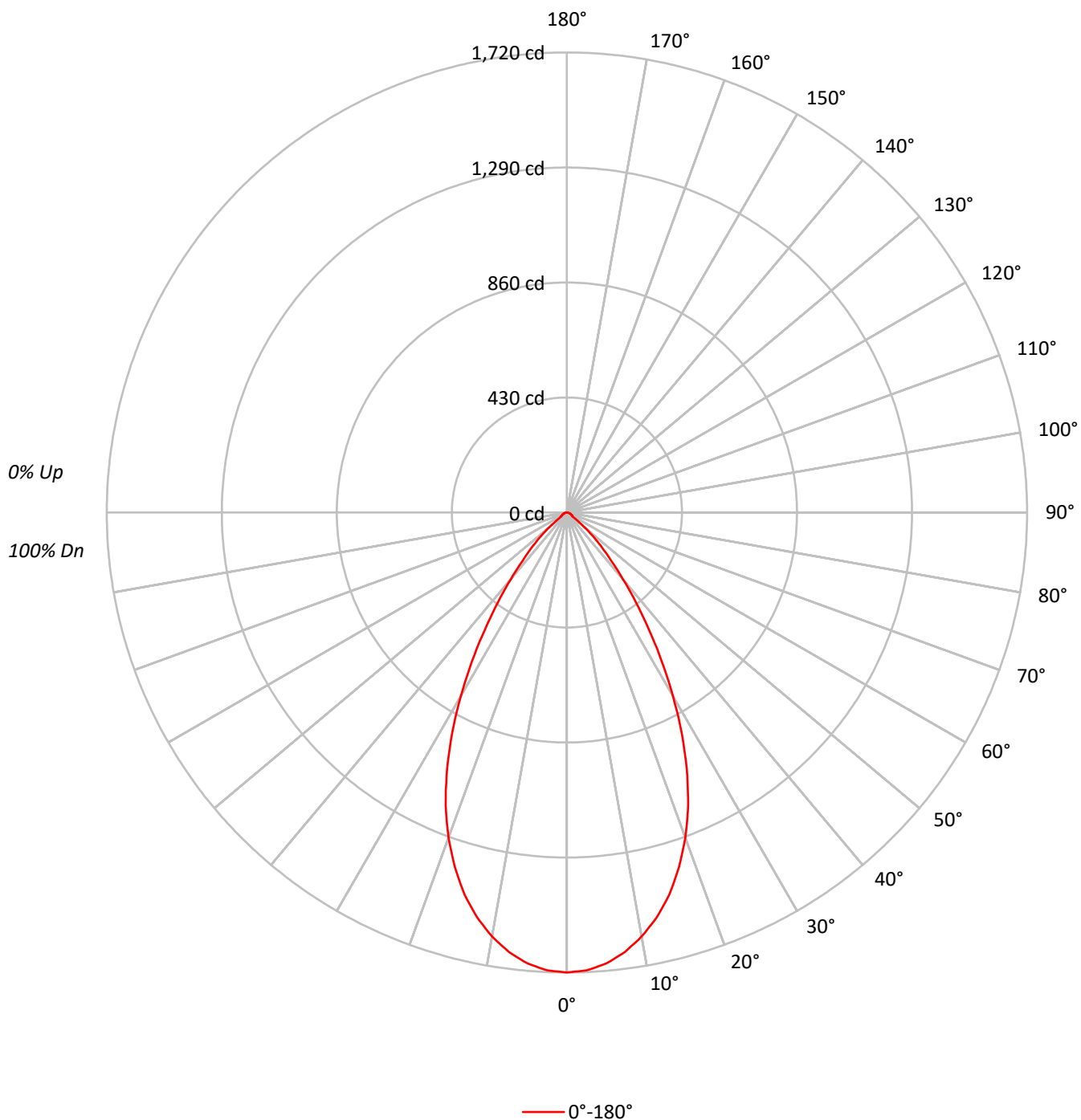
Lumens per Lamp: N/A  
Luminaire Lumens: 1599.0 lumens  
Efficiency: N/A  
Efficacy: 58.4 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.88  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 100 |
| 1   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 93  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 85  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 79  |
| 4   | 96  | 88  | 82  | 78  | 94  | 87  | 81  | 77  | 85  | 80  | 76  |  | 83  | 79  | 75  |  | 73  |
| 5   | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 70  |  | 68  |
| 6   | 86  | 77  | 70  | 66  | 84  | 76  | 70  | 66  | 74  | 69  | 65  |  | 73  | 68  | 65  |  | 63  |
| 7   | 82  | 72  | 66  | 61  | 80  | 71  | 65  | 61  | 70  | 64  | 61  |  | 69  | 64  | 60  |  | 58  |
| 8   | 77  | 67  | 61  | 57  | 76  | 67  | 61  | 57  | 66  | 60  | 57  |  | 65  | 60  | 56  |  | 55  |
| 9   | 74  | 64  | 57  | 53  | 72  | 63  | 57  | 53  | 62  | 57  | 53  |  | 61  | 56  | 53  |  | 51  |
| 10  | 70  | 60  | 54  | 50  | 69  | 59  | 54  | 50  | 59  | 53  | 50  |  | 58  | 53  | 50  |  | 48  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 377097 |
| 5°  | 372572 |
| 10° | 358421 |
| 15° | 335757 |
| 20° | 301983 |
| 25° | 256442 |
| 30° | 200563 |
| 35° | 142921 |
| 40° | 93518  |
| 45° | 57835  |
| 50° | 29372  |
| 55° | 10360  |
| 60° | 9078   |
| 65° | 9080   |
| 70° | 8207   |
| 75° | 8133   |
| 80° | 8082   |
| 85° | 8051   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57835 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 158.9  | 9.9       |
| 10°-20°   | 411.6  | 25.7      |
| 20°-30°   | 481.1  | 30.1      |
| 30°-40°   | 336.2  | 21.0      |
| 40°-50°   | 148.0  | 9.3       |
| 50°-60°   | 32.9   | 2.1       |
| 60°-70°   | 16.7   | 1.0       |
| 70°-80°   | 10.1   | 0.6       |
| 80°-90°   | 3.5    | 0.2       |
| 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°    | 1051.6 | 65.8      |
| 0°-40°    | 1387.8 | 86.8      |
| 0°-60°    | 1568.7 | 98.1      |
| 0°-90°    | 1599.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1599.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1720 |      |
| 5°  | 1693 | 159  |
| 15° | 1479 | 412  |
| 25° | 1060 | 481  |
| 35° | 534  | 336  |
| 45° | 186  | 148  |
| 55° | 27   | 33   |
| 65° | 18   | 17   |
| 75° | 10   | 10   |
| 85° | 3    | 3    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1719.7 |
| 2.5°  | 1713.3 |
| 5°    | 1692.6 |
| 7.5°  | 1657.5 |
| 10°   | 1609.7 |
| 12.5° | 1550.7 |
| 15°   | 1479.0 |
| 17.5° | 1391.4 |
| 20°   | 1294.1 |
| 22.5° | 1184.2 |
| 25°   | 1059.9 |
| 27.5° | 929.2  |
| 30°   | 792.1  |
| 32.5° | 659.8  |
| 35°   | 533.9  |
| 37.5° | 423.9  |
| 40°   | 326.7  |
| 42.5° | 247.0  |
| 45°   | 186.5  |
| 47.5° | 137.1  |
| 50°   | 86.1   |
| 52.5° | 44.6   |
| 55°   | 27.1   |
| 57.5° | 23.9   |
| 60°   | 20.7   |
| 62.5° | 19.1   |
| 65°   | 17.5   |
| 67.5° | 14.3   |
| 70°   | 12.8   |
| 72.5° | 11.2   |
| 75°   | 9.6    |
| 77.5° | 8.0    |
| 80°   | 6.4    |
| 82.5° | 4.8    |
| 85°   | 3.2    |
| 87.5° | 1.6    |
| 90°   | 0.0    |

(END OF REPORT)