

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: P1249878

Luminaire Tested: P3AS20R159027D010 E3CD1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1249878  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R159027D010 E3CD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

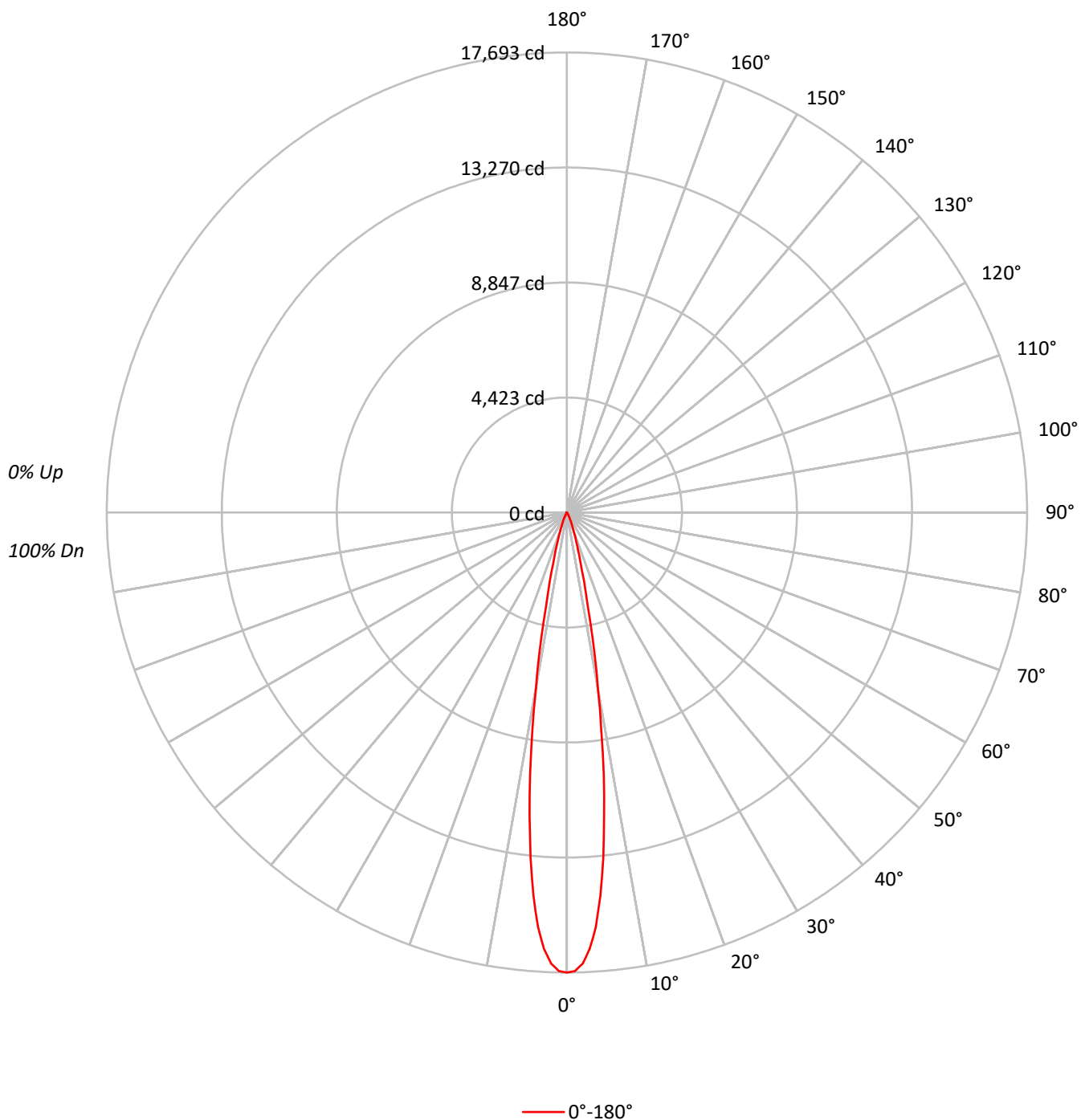
Lumens per Lamp: N/A  
Luminaire Lumens: 1996.1 lumens  
Efficiency: N/A  
Efficacy: 69.3 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 103 | 103 |  | 101 |
| 2   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 |  | 102 | 101 | 99  |  | 99  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  |  | 100 | 98  | 97  |  | 98  |
| 4   | 107 | 103 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 97  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  |  | 96  | 94  | 92  |  | 95  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 91  |  | 94  |
| 7   | 101 | 96  | 92  | 90  | 100 | 95  | 92  | 90  | 94  | 91  | 89  |  | 93  | 91  | 89  |  | 92  |
| 8   | 99  | 94  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 90  | 88  |  | 92  | 89  | 87  |  | 91  |
| 9   | 97  | 92  | 89  | 87  | 97  | 92  | 89  | 86  | 91  | 88  | 86  |  | 90  | 88  | 86  |  | 90  |
| 10  | 96  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 87  | 85  |  | 89  | 86  | 85  |  | 88  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 3879755 |
| 5°  | 3251609 |
| 10° | 1531635 |
| 15° | 461773  |
| 20° | 170862  |
| 25° | 66439   |
| 30° | 24763   |
| 35° | 7602    |
| 40° | 2719    |
| 45° | 1458    |
| 50° | 1092    |
| 55° | 1223    |
| 60° | 1403    |
| 65° | 830     |
| 70° | 1026    |
| 75° | 1356    |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1458 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1142.0 | 57.2      |
| 10°-20°   | 678.8  | 34.0      |
| 20°-30°   | 142.6  | 7.1       |
| 30°-40°   | 23.0   | 1.2       |
| 40°-50°   | 3.9    | 0.2       |
| 50°-60°   | 2.9    | 0.1       |
| 60°-70°   | 1.8    | 0.1       |
| 70°-80°   | 1.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 1963.5 | 98.4      |
| 0°-40°    | 1986.5 | 99.5      |
| 0°-60°    | 1993.3 | 99.9      |
| 0°-90°    | 1996.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1996.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 17693 |      |
| 5°  | 14772 | ###  |
| 15° | 2034  | 679  |
| 25° | 275   | 143  |
| 35° | 28    | 23   |
| 45° | 5     | 4    |
| 55° | 3     | 3    |
| 65° | 2     | 2    |
| 75° | 2     | 1    |
| 85° | 0     | 0    |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 17693.1 |
| 1°    | 17637.8 |
| 2°    | 17356.9 |
| 3°    | 16795.2 |
| 4°    | 15971.4 |
| 5°    | 14772.1 |
| 6°    | 13362.9 |
| 7°    | 11751.7 |
| 8°    | 10213.1 |
| 9°    | 8471.0  |
| 10°   | 6878.7  |
| 12.5° | 3711.6  |
| 15°   | 2034.1  |
| 17.5° | 1191.4  |
| 20°   | 732.2   |
| 22.5° | 448.2   |
| 25°   | 274.6   |
| 27.5° | 165.7   |
| 30°   | 97.8    |
| 32.5° | 55.2    |
| 35°   | 28.4    |
| 37.5° | 15.8    |
| 40°   | 9.5     |
| 42.5° | 6.3     |
| 45°   | 4.7     |
| 47.5° | 3.2     |
| 50°   | 3.2     |
| 52.5° | 3.2     |
| 55°   | 3.2     |
| 57.5° | 3.2     |
| 60°   | 3.2     |
| 62.5° | 1.6     |
| 65°   | 1.6     |
| 67.5° | 1.6     |
| 70°   | 1.6     |
| 72.5° | 1.6     |
| 75°   | 1.6     |
| 77.5° | 0.0     |
| 80°   | 0.0     |
| 82.5° | 0.0     |
| 85°   | 0.0     |
| 87.5° | 0.0     |
| 90°   | 0.0     |

(END OF REPORT)