

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: P1258214

Luminaire Tested: P3AS20R509040D010 E3DL1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1258214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R509040D010 E3DL1WMH  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

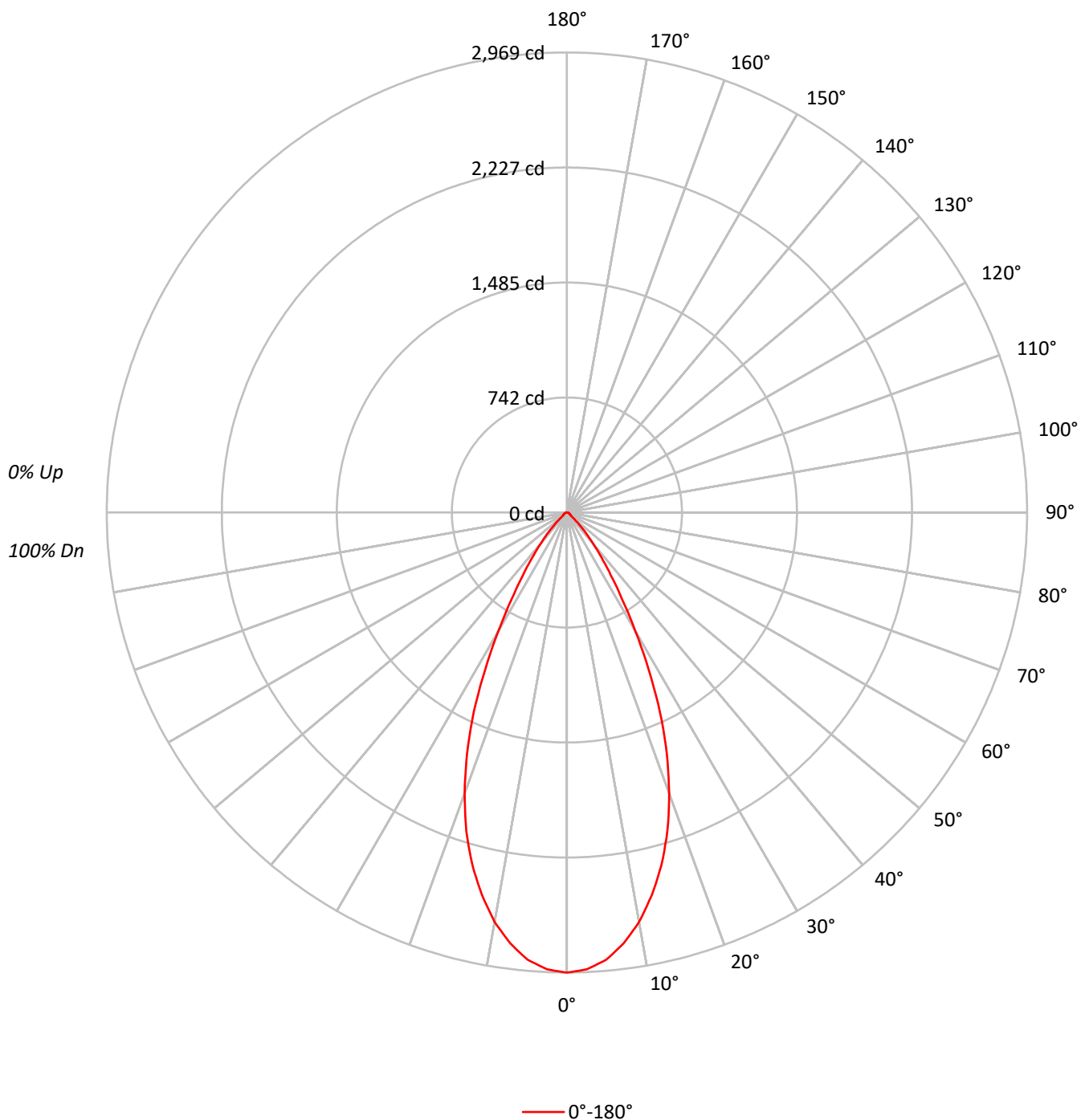
Lumens per Lamp: N/A  
Luminaire Lumens: 2045.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 88  |
| 4   | 98  | 91  | 85  | 81  | 96  | 90  | 85  | 81  | 87  | 83  | 80  |  | 85  | 82  | 79  |  | 84  |
| 5   | 93  | 85  | 80  | 75  | 92  | 84  | 79  | 75  | 83  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 6   | 89  | 80  | 75  | 71  | 88  | 80  | 74  | 70  | 78  | 73  | 70  |  | 77  | 73  | 69  |  | 75  |
| 7   | 85  | 76  | 70  | 66  | 84  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 65  |  | 72  |
| 8   | 81  | 72  | 66  | 62  | 80  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 9   | 78  | 68  | 63  | 59  | 76  | 68  | 62  | 59  | 67  | 62  | 59  |  | 66  | 62  | 58  |  | 65  |
| 10  | 74  | 65  | 59  | 56  | 73  | 65  | 59  | 56  | 64  | 59  | 55  |  | 63  | 58  | 55  |  | 62  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 651088 |
| 5°  | 637969 |
| 10° | 597562 |
| 15° | 534963 |
| 20° | 450186 |
| 25° | 343592 |
| 30° | 223300 |
| 35° | 132401 |
| 40° | 76515  |
| 45° | 38330  |
| 50° | 14260  |
| 55° | 11125  |
| 60° | 10350  |
| 65° | 9443   |
| 70° | 9296   |
| 75° | 9235   |
| 80° | 9218   |
| 85° | 9057   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38330 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 269.6  | 13.2      |
| 10°-20°   | 651.7  | 31.9      |
| 20°-30°   | 639.3  | 31.3      |
| 30°-40°   | 322.1  | 15.8      |
| 40°-50°   | 101.8  | 5.0       |
| 50°-60°   | 26.4   | 1.3       |
| 60°-70°   | 18.7   | 0.9       |
| 70°-80°   | 11.5   | 0.6       |
| 80°-90°   | 4.0    | 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°    | 1560.6 | 76.3      |
| 0°-40°    | 1882.8 | 92.1      |
| 0°-60°    | 2010.9 | 98.3      |
| 0°-90°    | 2045.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2045.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2969 |      |
| 5°  | 2898 | 270  |
| 15° | 2356 | 652  |
| 25° | 1420 | 639  |
| 35° | 495  | 322  |
| 45° | 124  | 102  |
| 55° | 29   | 26   |
| 65° | 18   | 19   |
| 75° | 11   | 12   |
| 85° | 4    | 4    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2969.2 |
| 2.5°  | 2951.0 |
| 5°    | 2898.3 |
| 7.5°  | 2803.8 |
| 10°   | 2683.7 |
| 12.5° | 2529.2 |
| 15°   | 2356.5 |
| 17.5° | 2156.5 |
| 20°   | 1929.2 |
| 22.5° | 1683.7 |
| 25°   | 1420.1 |
| 27.5° | 1140.0 |
| 30°   | 881.9  |
| 32.5° | 663.7  |
| 35°   | 494.6  |
| 37.5° | 365.5  |
| 40°   | 267.3  |
| 42.5° | 189.1  |
| 45°   | 123.6  |
| 47.5° | 70.9   |
| 50°   | 41.8   |
| 52.5° | 30.9   |
| 55°   | 29.1   |
| 57.5° | 25.5   |
| 60°   | 23.6   |
| 62.5° | 21.8   |
| 65°   | 18.2   |
| 67.5° | 16.4   |
| 70°   | 14.5   |
| 72.5° | 12.7   |
| 75°   | 10.9   |
| 77.5° | 9.1    |
| 80°   | 7.3    |
| 82.5° | 5.5    |
| 85°   | 3.6    |
| 87.5° | 1.8    |
| 90°   | 0.0    |

(END OF REPORT)