

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: P1250206

Luminaire Tested: P3AS20R709027D010 E3DL1LI

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1250206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R709027D010 E3DL1LI  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3DL1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

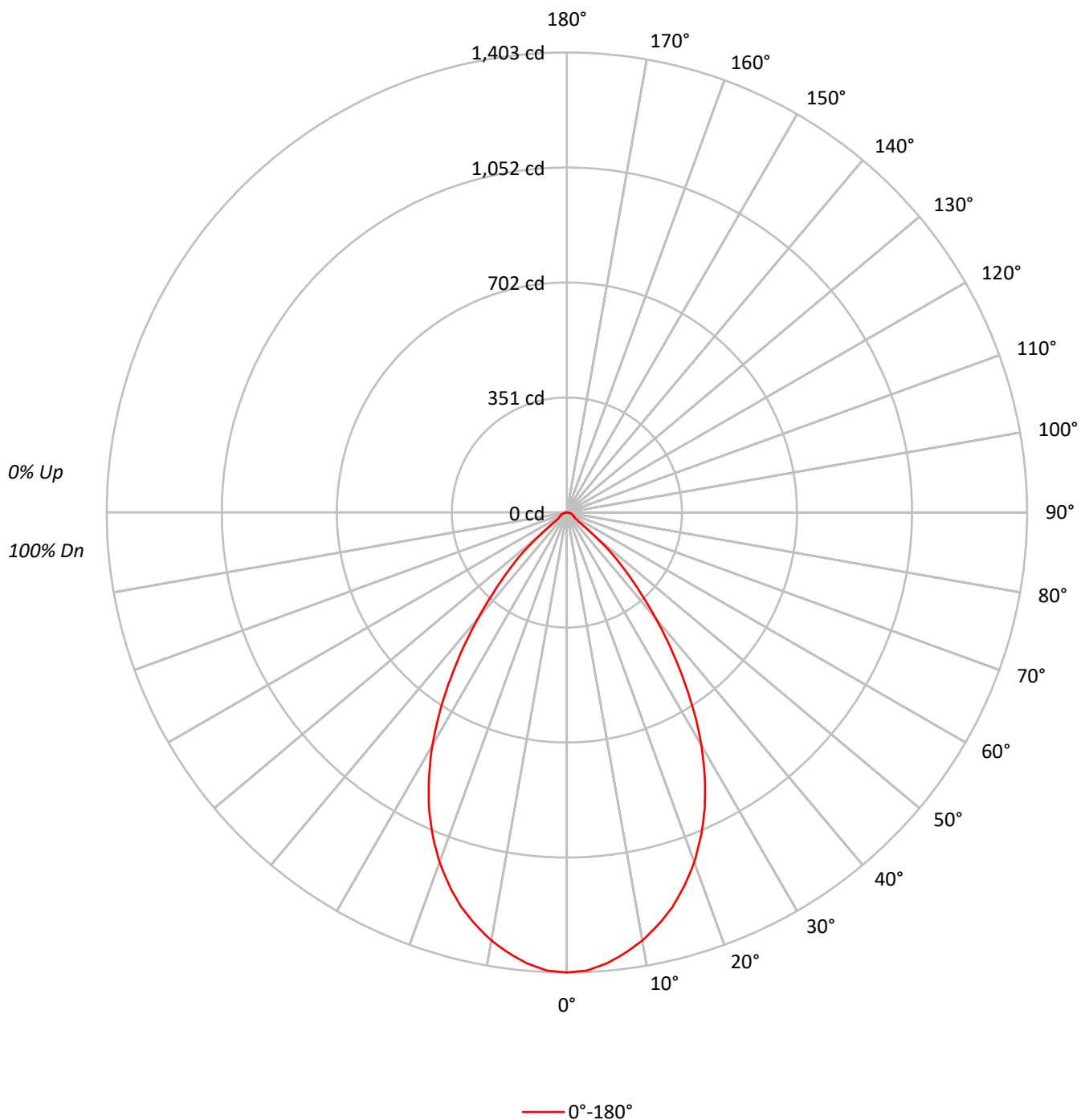
Lumens per Lamp: N/A  
Luminaire Lumens: 1589.0 lumens  
Efficiency: N/A  
Efficacy: 55.2 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 100 |  | 100 | 98  | 97  |  | 96  |
| 2   | 106 | 101 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 92  | 90  |  | 93  | 90  | 88  |  | 90  |
| 3   | 100 | 93  | 88  | 83  | 98  | 92  | 87  | 82  | 89  | 85  | 81  |  | 86  | 83  | 80  |  | 84  |
| 4   | 94  | 86  | 80  | 75  | 93  | 85  | 79  | 75  | 83  | 78  | 74  |  | 81  | 76  | 73  |  | 79  |
| 5   | 89  | 80  | 73  | 69  | 87  | 79  | 73  | 68  | 77  | 72  | 68  |  | 75  | 71  | 67  |  | 74  |
| 6   | 84  | 74  | 68  | 63  | 82  | 73  | 67  | 63  | 72  | 66  | 62  |  | 70  | 65  | 62  |  | 69  |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 58  | 67  | 61  | 57  |  | 66  | 61  | 57  |  | 65  |
| 8   | 75  | 65  | 58  | 53  | 74  | 64  | 58  | 53  | 63  | 57  | 53  |  | 62  | 57  | 53  |  | 61  |
| 9   | 71  | 60  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |
| 10  | 67  | 57  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 50  | 46  |  | 55  | 49  | 46  |  | 54  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 307607 |
| 5°  | 303939 |
| 10° | 295140 |
| 15° | 282635 |
| 20° | 264763 |
| 25° | 240522 |
| 30° | 207779 |
| 35° | 165594 |
| 40° | 120597 |
| 45° | 79264  |
| 50° | 37150  |
| 55° | 11469  |
| 60° | 11052  |
| 65° | 10637  |
| 70° | 10130  |
| 75° | 10675  |
| 80° | 9976   |
| 85° | 8051   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79264 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 130.0  | 8.2       |
| 10°-20°   | 348.4  | 21.9      |
| 20°-30°   | 452.9  | 28.5      |
| 30°-40°   | 384.3  | 24.2      |
| 40°-50°   | 198.1  | 12.5      |
| 50°-60°   | 38.2   | 2.4       |
| 60°-70°   | 20.7   | 1.3       |
| 70°-80°   | 12.7   | 0.8       |
| 80°-90°   | 3.7    | 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°    | 931.3  | 58.6      |
| 0°-40°    | 1315.6 | 82.8      |
| 0°-60°    | 1551.9 | 97.7      |
| 0°-90°    | 1589.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1589.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1403 |      |
| 5°  | 1381 | 130  |
| 15° | 1245 | 348  |
| 25° | 994  | 453  |
| 35° | 619  | 384  |
| 45° | 256  | 198  |
| 55° | 30   | 38   |
| 65° | 20   | 21   |
| 75° | 13   | 13   |
| 85° | 3    | 4    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1402.8 |
| 2.5°  | 1398.1 |
| 5°    | 1380.8 |
| 7.5°  | 1355.5 |
| 10°   | 1325.5 |
| 12.5° | 1287.6 |
| 15°   | 1245.0 |
| 17.5° | 1193.0 |
| 20°   | 1134.6 |
| 22.5° | 1068.3 |
| 25°   | 994.1  |
| 27.5° | 910.5  |
| 30°   | 820.6  |
| 32.5° | 721.1  |
| 35°   | 618.6  |
| 37.5° | 517.6  |
| 40°   | 421.3  |
| 42.5° | 331.4  |
| 45°   | 255.6  |
| 47.5° | 187.8  |
| 50°   | 108.9  |
| 52.5° | 47.3   |
| 55°   | 30.0   |
| 57.5° | 28.4   |
| 60°   | 25.2   |
| 62.5° | 23.7   |
| 65°   | 20.5   |
| 67.5° | 18.9   |
| 70°   | 15.8   |
| 72.5° | 14.2   |
| 75°   | 12.6   |
| 77.5° | 9.5    |
| 80°   | 7.9    |
| 82.5° | 4.7    |
| 85°   | 3.2    |
| 87.5° | 1.6    |
| 90°   | 0.0    |

(END OF REPORT)