

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: P1250441

Luminaire Tested: P3AS24R509027D010 E3DLD1LI

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1250441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS24R509027D010 E3DLD1LI  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

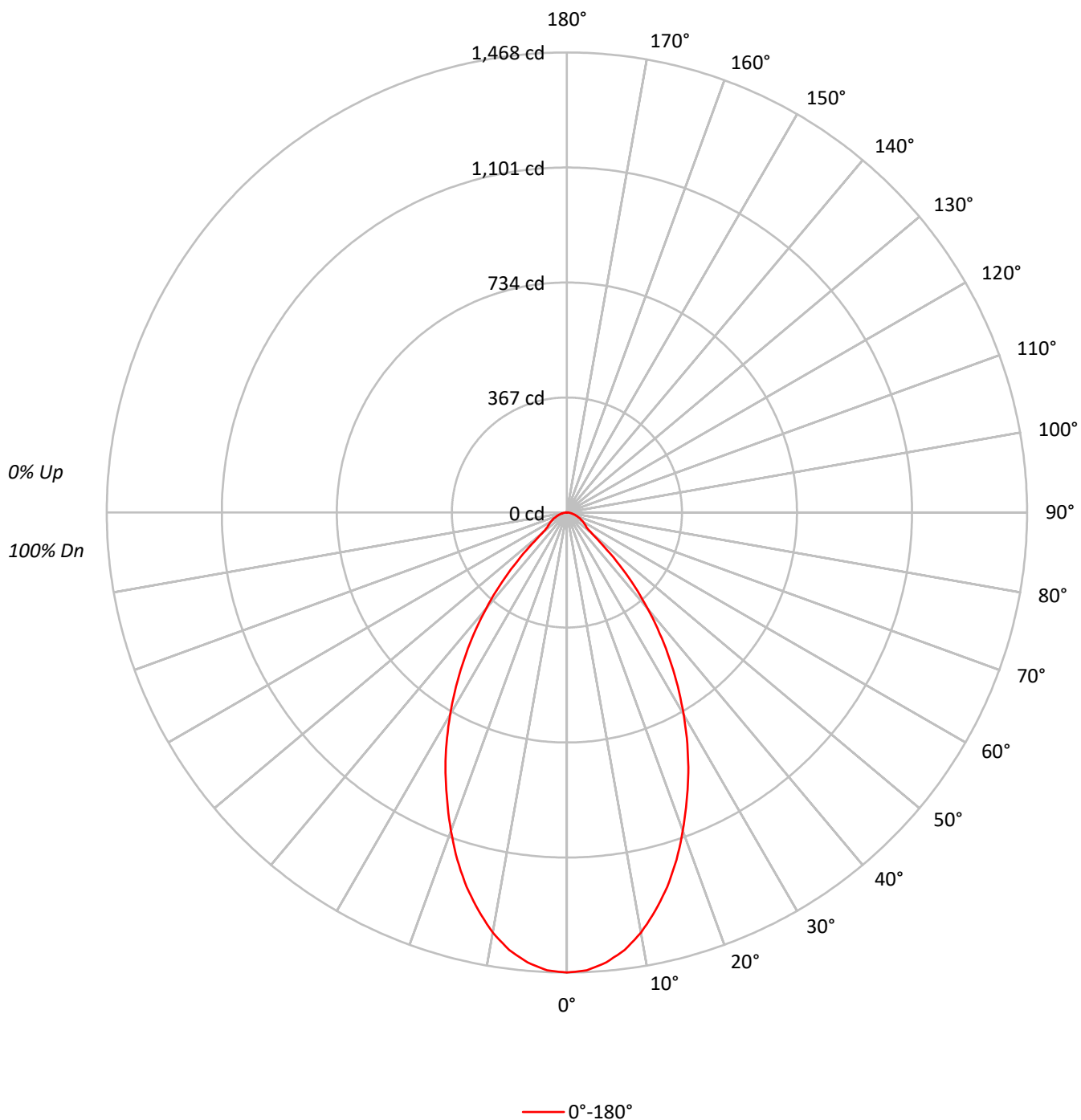
Lumens per Lamp: N/A  
Luminaire Lumens: 1583.9 lumens  
Efficiency: N/A  
Efficacy: 55.0 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 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 | 101 | 99  | 99  | 97  | 96  | 95  | 94  | 93  | 91  |    |    |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 75  |    |    |
| 4   | 93  | 85  | 78  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 69  |    |    |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 66  | 75  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 64  | 63  |    |    |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 65  | 61  | 70  | 65  | 60  | 69  | 64  | 60  | 67  | 63  | 59  | 58  |    |    |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 63  | 59  | 55  | 53  |    |    |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 51  | 59  | 55  | 51  | 50  |    |    |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 46  |    |    |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  | 54  | 48  | 45  | 53  | 48  | 45  | 43  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 321904 |
| 5°  | 317168 |
| 10° | 303112 |
| 15° | 280728 |
| 20° | 252279 |
| 25° | 221771 |
| 30° | 188586 |
| 35° | 152933 |
| 40° | 114872 |
| 45° | 73992  |
| 50° | 35137  |
| 55° | 27641  |
| 60° | 26182  |
| 65° | 24387  |
| 70° | 21991  |
| 75° | 19910  |
| 80° | 18310  |
| 85° | 18115  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73992 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 135.1  | 8.5       |
| 10°-20°   | 344.8  | 21.8      |
| 20°-30°   | 418.9  | 26.4      |
| 30°-40°   | 355.2  | 22.4      |
| 40°-50°   | 184.5  | 11.6      |
| 50°-60°   | 66.6   | 4.2       |
| 60°-70°   | 46.0   | 2.9       |
| 70°-80°   | 25.0   | 1.6       |
| 80°-90°   | 7.9    | 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°    | 898.7  | 56.7      |
| 0°-40°    | 1253.9 | 79.2      |
| 0°-60°    | 1505.0 | 95.0      |
| 0°-90°    | 1583.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1583.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1468 |      |
| 5°  | 1441 | 135  |
| 15° | 1237 | 345  |
| 25° | 917  | 419  |
| 35° | 571  | 355  |
| 45° | 239  | 185  |
| 55° | 72   | 67   |
| 65° | 47   | 46   |
| 75° | 24   | 25   |
| 85° | 7    | 8    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1468.0 |
| 2.5°  | 1462.6 |
| 5°    | 1440.9 |
| 7.5°  | 1408.3 |
| 10°   | 1361.3 |
| 12.5° | 1301.7 |
| 15°   | 1236.6 |
| 17.5° | 1162.4 |
| 20°   | 1081.1 |
| 22.5° | 997.9  |
| 25°   | 916.6  |
| 27.5° | 831.6  |
| 30°   | 744.8  |
| 32.5° | 658.1  |
| 35°   | 571.3  |
| 37.5° | 486.3  |
| 40°   | 401.3  |
| 42.5° | 320.0  |
| 45°   | 238.6  |
| 47.5° | 159.1  |
| 50°   | 103.0  |
| 52.5° | 79.5   |
| 55°   | 72.3   |
| 57.5° | 65.1   |
| 60°   | 59.7   |
| 62.5° | 52.4   |
| 65°   | 47.0   |
| 67.5° | 39.8   |
| 70°   | 34.3   |
| 72.5° | 28.9   |
| 75°   | 23.5   |
| 77.5° | 18.1   |
| 80°   | 14.5   |
| 82.5° | 10.8   |
| 85°   | 7.2    |
| 87.5° | 3.6    |
| 90°   | 0.0    |

(END OF REPORT)