

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: P1260887

Luminaire Tested: P3AS20R659050D010 E3CD1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1260887  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R659050D010 E3CD1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 5000K CCT AND, 90CRI , E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

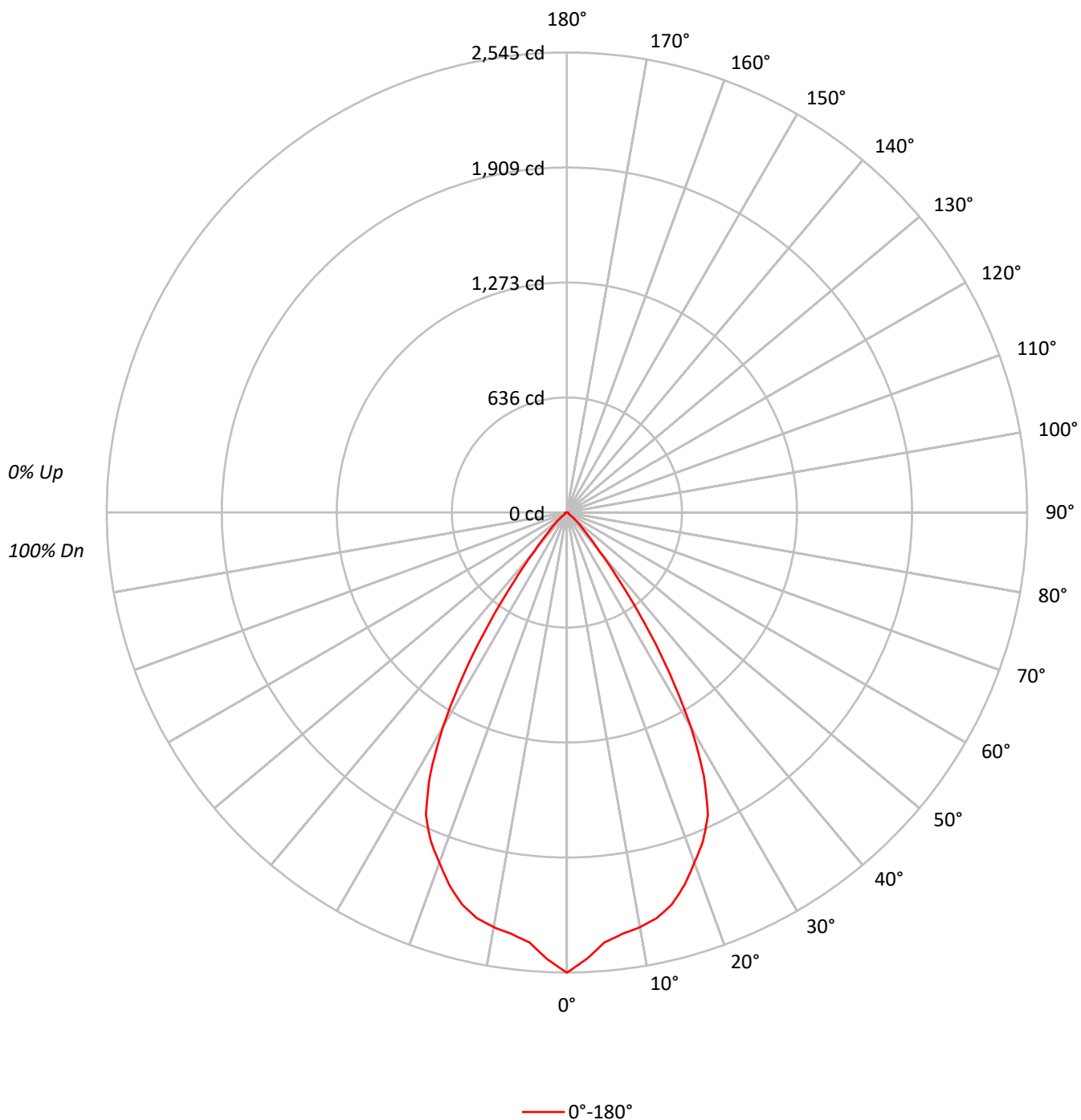
Lumens per Lamp: N/A  
Luminaire Lumens: 2283.9 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 101 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 92  |
| 3   | 103 | 96  | 91  | 87  | 101 | 95  | 90  | 87  | 92  | 88  | 85  |  | 90  | 87  | 84  |  | 88  |
| 4   | 97  | 90  | 84  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 79  |  | 85  | 81  | 78  |  | 83  |
| 5   | 93  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 82  | 77  | 73  |  | 80  | 76  | 73  |  | 78  |
| 6   | 88  | 79  | 73  | 69  | 86  | 78  | 73  | 69  | 77  | 72  | 68  |  | 75  | 71  | 68  |  | 74  |
| 7   | 84  | 74  | 68  | 64  | 82  | 74  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 8   | 80  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 63  | 60  |  | 67  | 63  | 59  |  | 66  |
| 9   | 76  | 66  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 60  | 56  |  | 64  | 59  | 56  |  | 63  |
| 10  | 72  | 63  | 57  | 53  | 71  | 62  | 57  | 53  | 61  | 56  | 53  |  | 60  | 56  | 53  |  | 60  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 558157 |
| 5°  | 525334 |
| 10° | 518650 |
| 15° | 509492 |
| 20° | 481035 |
| 25° | 446469 |
| 30° | 347041 |
| 35° | 200769 |
| 40° | 80894  |
| 45° | 37244  |
| 50° | 14498  |
| 55° | 5658   |
| 60° | 4868   |
| 65° | 4774   |
| 70° | 4744   |
| 75° | 4660   |
| 80° | 4672   |
| 85° | 4529   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37244 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 226.9  | 9.9       |
| 10°-20°   | 626.7  | 27.4      |
| 20°-30°   | 820.4  | 35.9      |
| 30°-40°   | 475.2  | 20.8      |
| 40°-50°   | 101.7  | 4.5       |
| 50°-60°   | 16.6   | 0.7       |
| 60°-70°   | 9.1    | 0.4       |
| 70°-80°   | 5.3    | 0.2       |
| 80°-90°   | 2.0    | 0.1       |
| 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       |
| 0°-30°    | 1674.0 | 73.3      |
| 0°-40°    | 2149.2 | 94.1      |
| 0°-60°    | 2267.5 | 99.3      |
| 0°-90°    | 2283.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2283.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2545 |      |
| 5°  | 2387 | 227  |
| 15° | 2244 | 627  |
| 25° | 1845 | 820  |
| 35° | 750  | 475  |
| 45° | 120  | 102  |
| 55° | 15   | 17   |
| 65° | 9    | 9    |
| 75° | 6    | 5    |
| 85° | 2    | 2    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 2545.4 |
| 2.5°  | 2473.4 |
| 5°    | 2386.6 |
| 7.5°  | 2351.5 |
| 10°   | 2329.3 |
| 12.5° | 2297.9 |
| 15°   | 2244.3 |
| 17.5° | 2161.2 |
| 20°   | 2061.4 |
| 22.5° | 1967.2 |
| 25°   | 1845.3 |
| 27.5° | 1640.3 |
| 30°   | 1370.6 |
| 32.5° | 1062.1 |
| 35°   | 750.0  |
| 37.5° | 474.7  |
| 40°   | 282.6  |
| 42.5° | 177.3  |
| 45°   | 120.1  |
| 47.5° | 77.6   |
| 50°   | 42.5   |
| 52.5° | 20.3   |
| 55°   | 14.8   |
| 57.5° | 12.9   |
| 60°   | 11.1   |
| 62.5° | 11.1   |
| 65°   | 9.2    |
| 67.5° | 7.4    |
| 70°   | 7.4    |
| 72.5° | 5.5    |
| 75°   | 5.5    |
| 77.5° | 3.7    |
| 80°   | 3.7    |
| 82.5° | 1.8    |
| 85°   | 1.8    |
| 87.5° | 1.8    |
| 90°   | 0.0    |

(END OF REPORT)