

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: P1250134

Luminaire Tested: P3AS20R559027D010 E3DLP1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1250134  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R559027D010 E3DLP1WMH  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3DLP1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

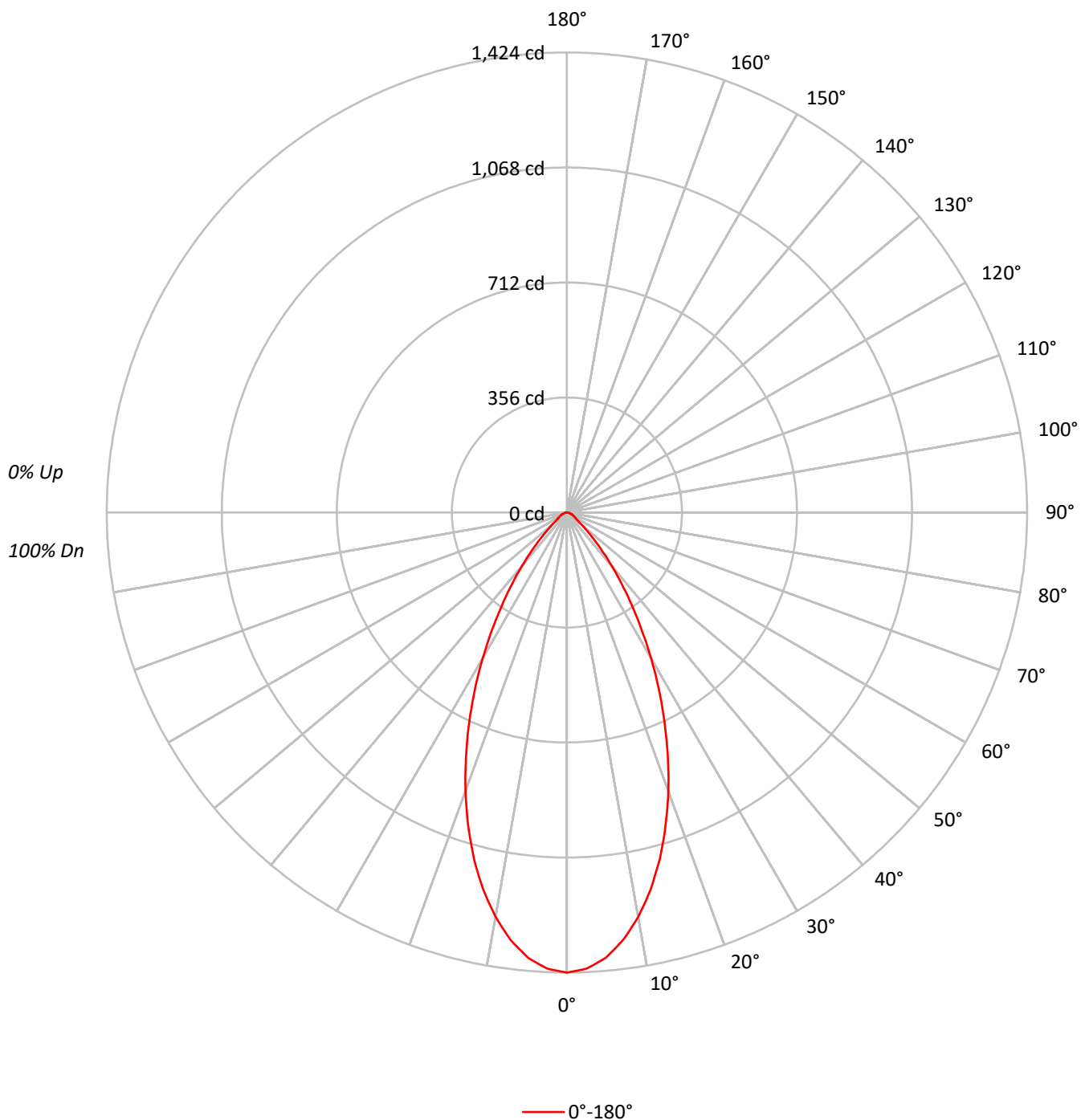
Lumens per Lamp: N/A  
Luminaire Lumens: 1148.0 lumens  
Efficiency: N/A  
Efficacy: 39.9 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 |  | 100 | 98  | 97  |  | 97  |
| 2   | 107 | 102 | 97  | 94  | 105 | 100 | 96  | 93  | 97  | 93  | 91  |  | 94  | 91  | 89  |  | 91  |
| 3   | 101 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 84  | 81  |  | 85  |
| 4   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 77  | 84  | 80  | 76  |  | 82  | 78  | 75  |  | 80  |
| 5   | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 70  |  | 76  |
| 6   | 86  | 77  | 70  | 66  | 84  | 76  | 70  | 66  | 74  | 69  | 65  |  | 73  | 68  | 65  |  | 72  |
| 7   | 82  | 72  | 66  | 61  | 80  | 71  | 65  | 61  | 70  | 65  | 61  |  | 69  | 64  | 60  |  | 68  |
| 8   | 78  | 68  | 62  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  |  | 65  | 60  | 57  |  | 64  |
| 9   | 74  | 64  | 58  | 54  | 73  | 63  | 58  | 54  | 62  | 57  | 53  |  | 62  | 57  | 53  |  | 61  |
| 10  | 70  | 60  | 55  | 51  | 69  | 60  | 54  | 50  | 59  | 54  | 50  |  | 58  | 54  | 50  |  | 58  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 312300 |
| 5°  | 304468 |
| 10° | 283050 |
| 15° | 252056 |
| 20° | 214195 |
| 25° | 172849 |
| 30° | 131792 |
| 35° | 93719  |
| 40° | 61859  |
| 45° | 36686  |
| 50° | 21526  |
| 55° | 13266  |
| 60° | 11753  |
| 65° | 10637  |
| 70° | 9104   |
| 75° | 8049   |
| 80° | 7956   |
| 85° | 8051   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36686 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 128.4  | 11.2      |
| 10°-20°   | 307.8  | 26.8      |
| 20°-30°   | 326.0  | 28.4      |
| 30°-40°   | 220.3  | 19.2      |
| 40°-50°   | 96.5   | 8.4       |
| 50°-60°   | 34.6   | 3.0       |
| 60°-70°   | 20.3   | 1.8       |
| 70°-80°   | 10.6   | 0.9       |
| 80°-90°   | 3.4    | 0.3       |
| 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°    | 762.3  | 66.4      |
| 0°-40°    | 982.6  | 85.6      |
| 0°-60°    | 1113.7 | 97.0      |
| 0°-90°    | 1148.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1148.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1424 |      |
| 5°  | 1383 | 128  |
| 15° | 1110 | 308  |
| 25° | 714  | 326  |
| 35° | 350  | 220  |
| 45° | 118  | 97   |
| 55° | 35   | 35   |
| 65° | 20   | 20   |
| 75° | 10   | 11   |
| 85° | 3    | 3    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1424.2 |
| 2.5°  | 1413.1 |
| 5°    | 1383.2 |
| 7.5°  | 1334.3 |
| 10°   | 1271.2 |
| 12.5° | 1195.5 |
| 15°   | 1110.3 |
| 17.5° | 1015.7 |
| 20°   | 917.9  |
| 22.5° | 815.4  |
| 25°   | 714.4  |
| 27.5° | 615.1  |
| 30°   | 520.5  |
| 32.5° | 430.6  |
| 35°   | 350.1  |
| 37.5° | 277.6  |
| 40°   | 216.1  |
| 42.5° | 162.4  |
| 45°   | 118.3  |
| 47.5° | 86.7   |
| 50°   | 63.1   |
| 52.5° | 44.2   |
| 55°   | 34.7   |
| 57.5° | 31.5   |
| 60°   | 26.8   |
| 62.5° | 23.7   |
| 65°   | 20.5   |
| 67.5° | 17.3   |
| 70°   | 14.2   |
| 72.5° | 12.6   |
| 75°   | 9.5    |
| 77.5° | 7.9    |
| 80°   | 6.3    |
| 82.5° | 4.7    |
| 85°   | 3.2    |
| 87.5° | 1.6    |
| 90°   | 0.0    |

(END OF REPORT)