

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: P1258249

Luminaire Tested: P3AS20R559040D010 E3DLD1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1258249  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R559040D010 E3DLD1WMH  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3DLD1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

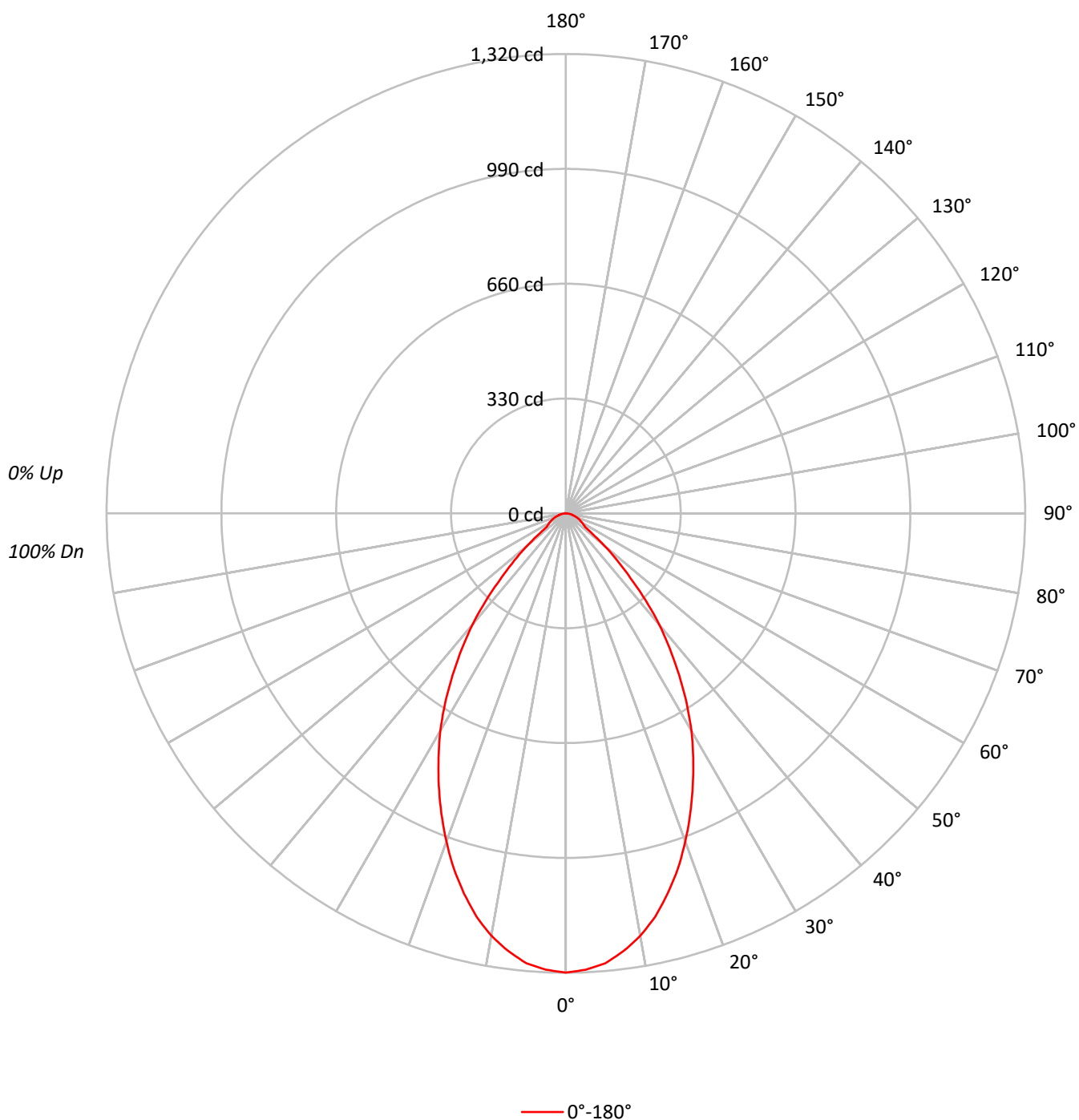
Lumens per Lamp: N/A  
Luminaire Lumens: 1539.0 lumens  
Efficiency: N/A  
Efficacy: 53.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  |  | 99  | 97  | 95  |  | 95  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  |  | 91  | 88  | 86  |  | 89  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  |  | 85  | 81  | 77  |  | 82  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 76  |
| 5   | 87  | 77  | 71  | 66  | 85  | 76  | 70  | 65  | 75  | 69  | 65  |  | 73  | 68  | 64  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 60  | 69  | 64  | 59  |  | 68  | 63  | 59  |  | 66  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  |  | 63  | 58  | 54  |  | 62  |
| 8   | 73  | 62  | 55  | 51  | 72  | 62  | 55  | 51  | 60  | 55  | 50  |  | 59  | 54  | 50  |  | 58  |
| 9   | 69  | 58  | 51  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  |  | 56  | 50  | 46  |  | 55  |
| 10  | 65  | 55  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  |  | 52  | 47  | 43  |  | 52  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 289363 |
| 5°  | 285670 |
| 10° | 274410 |
| 15° | 256664 |
| 20° | 234147 |
| 25° | 208899 |
| 30° | 182712 |
| 35° | 151808 |
| 40° | 119681 |
| 45° | 81156  |
| 50° | 49602  |
| 55° | 25729  |
| 60° | 23902  |
| 65° | 22622  |
| 70° | 20965  |
| 75° | 18470  |
| 80° | 18310  |
| 85° | 13838  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81156 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 121.7  | 7.9       |
| 10°-20°   | 316.0  | 20.5      |
| 20°-30°   | 395.7  | 25.7      |
| 30°-40°   | 353.2  | 23.0      |
| 40°-50°   | 206.8  | 13.4      |
| 50°-60°   | 71.5   | 4.6       |
| 60°-70°   | 43.2   | 2.8       |
| 70°-80°   | 24.0   | 1.6       |
| 80°-90°   | 6.9    | 0.4       |
| 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°    | 833.4  | 54.2      |
| 0°-40°    | 1186.7 | 77.1      |
| 0°-60°    | 1464.9 | 95.2      |
| 0°-90°    | 1539.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1539.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1320 |      |
| 5°  | 1298 | 122  |
| 15° | 1131 | 316  |
| 25° | 863  | 396  |
| 35° | 567  | 353  |
| 45° | 262  | 207  |
| 55° | 67   | 71   |
| 65° | 44   | 43   |
| 75° | 22   | 24   |
| 85° | 6    | 7    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1319.6 |
| 2.5°  | 1312.4 |
| 5°    | 1297.8 |
| 7.5°  | 1268.7 |
| 10°   | 1232.4 |
| 12.5° | 1186.9 |
| 15°   | 1130.6 |
| 17.5° | 1070.6 |
| 20°   | 1003.4 |
| 22.5° | 934.3  |
| 25°   | 863.4  |
| 27.5° | 792.5  |
| 30°   | 721.6  |
| 32.5° | 645.3  |
| 35°   | 567.1  |
| 37.5° | 490.8  |
| 40°   | 418.1  |
| 42.5° | 339.9  |
| 45°   | 261.7  |
| 47.5° | 199.9  |
| 50°   | 145.4  |
| 52.5° | 94.5   |
| 55°   | 67.3   |
| 57.5° | 60.0   |
| 60°   | 54.5   |
| 62.5° | 49.1   |
| 65°   | 43.6   |
| 67.5° | 38.2   |
| 70°   | 32.7   |
| 72.5° | 27.3   |
| 75°   | 21.8   |
| 77.5° | 18.2   |
| 80°   | 14.5   |
| 82.5° | 9.1    |
| 85°   | 5.5    |
| 87.5° | 3.6    |
| 90°   | 0.0    |

(END OF REPORT)