

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: P1287247

Luminaire Tested: P3AS13R509030D2WDE010 E3DL1WMH

Issue Date: 1/30/2026

**Test Information**

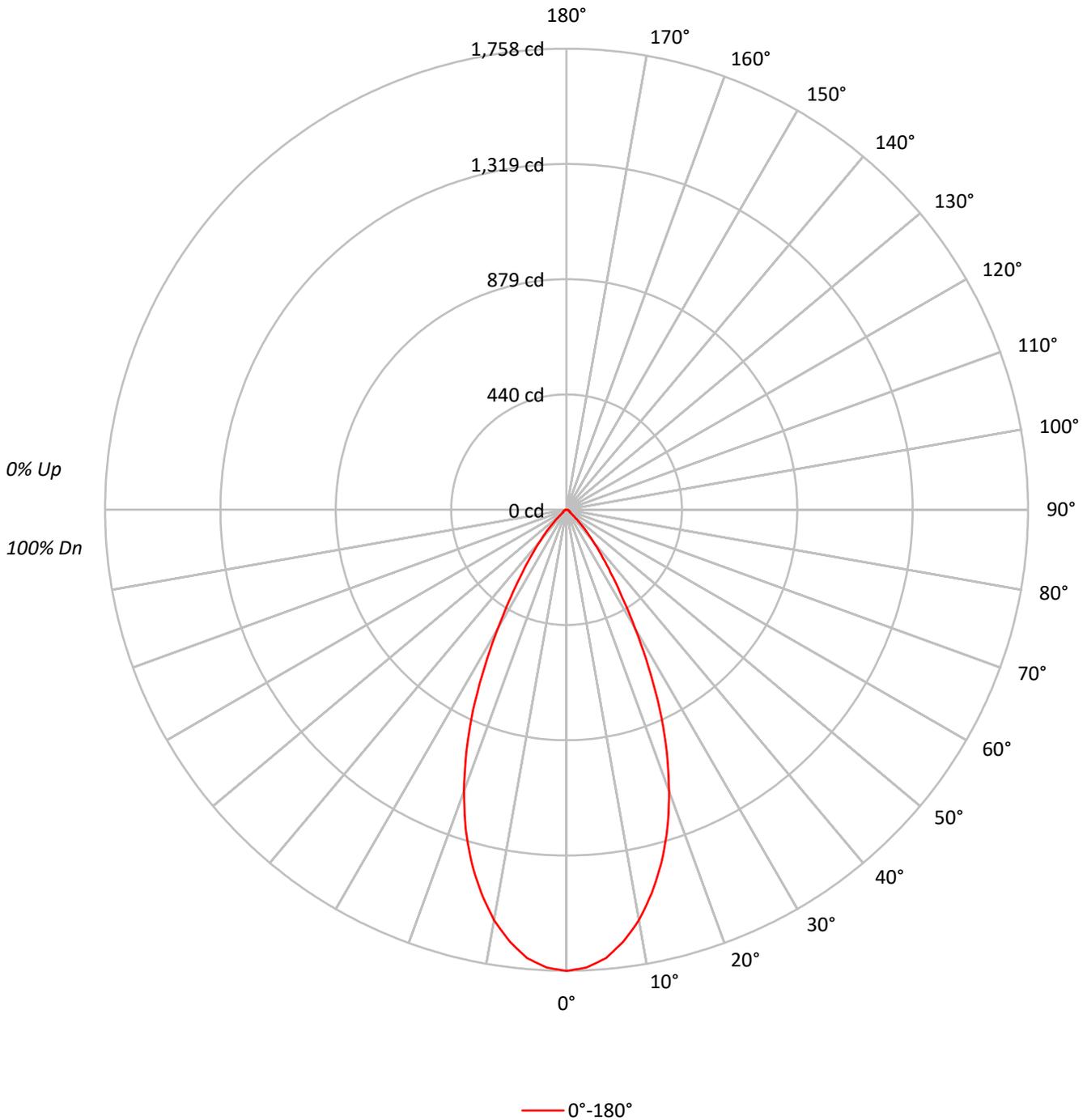
Test Method: LM-79-2019  
Report Number: P1287247  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R509030D2WDE010 E3DL1WMH  
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1211.0 lumens  
Efficiency: N/A  
Efficacy: 60.2 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.1  
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  |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 94  | 94  | 94  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 87  | 87  | 87  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 84  | 88  | 85  | 83  | 82  | 82  | 82  | 82  |
| 4   | 98  | 91  | 85  | 81  | 96  | 90  | 85  | 81  | 87  | 83  | 80  | 85  | 82  | 79  | 84  | 80  | 78  | 76  | 76  | 76  | 76  |
| 5   | 93  | 85  | 80  | 75  | 92  | 84  | 79  | 75  | 83  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 72  | 72  | 72  | 72  |
| 6   | 89  | 80  | 75  | 71  | 88  | 80  | 74  | 70  | 78  | 73  | 70  | 77  | 73  | 69  | 75  | 72  | 69  | 67  | 67  | 67  | 67  |
| 7   | 85  | 76  | 70  | 66  | 84  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 64  | 64  | 64  | 64  |
| 8   | 81  | 72  | 66  | 62  | 80  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 62  | 68  | 64  | 61  | 60  | 60  | 60  | 60  |
| 9   | 78  | 68  | 63  | 59  | 76  | 68  | 62  | 59  | 67  | 62  | 59  | 66  | 62  | 58  | 65  | 61  | 58  | 57  | 57  | 57  | 57  |
| 10  | 74  | 65  | 59  | 56  | 73  | 65  | 59  | 56  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 55  | 54  | 54  | 54  | 54  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 385561 |
| 5°  | 377789 |
| 10° | 353879 |
| 15° | 316778 |
| 20° | 266583 |
| 25° | 203455 |
| 30° | 132223 |
| 35° | 78407  |
| 40° | 45313  |
| 45° | 22700  |
| 50° | 8460   |
| 55° | 6576   |
| 60° | 6140   |
| 65° | 5604   |
| 70° | 5514   |
| 75° | 5507   |
| 80° | 5430   |
| 85° | 5535   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 22700 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 159.7  | 13.2      |
| 10°-20°   | 385.9  | 31.9      |
| 20°-30°   | 378.6  | 31.3      |
| 30°-40°   | 190.7  | 15.7      |
| 40°-50°   | 60.3   | 5.0       |
| 50°-60°   | 15.6   | 1.3       |
| 60°-70°   | 11.1   | 0.9       |
| 70°-80°   | 6.8    | 0.6       |
| 80°-90°   | 2.4    | 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       |
| 0°-30°    | 924.2  | 76.3      |
| 0°-40°    | 1114.9 | 92.1      |
| 0°-60°    | 1190.8 | 98.3      |
| 0°-90°    | 1211.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1211.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1758 |      |
| 5°  | 1716 | 160  |
| 15° | 1395 | 386  |
| 25° | 841  | 379  |
| 35° | 293  | 191  |
| 45° | 73   | 60   |
| 55° | 17   | 16   |
| 65° | 11   | 11   |
| 75° | 6    | 7    |
| 85° | 2    | 2    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1758.3 |
| 2.5°  | 1747.5 |
| 5°    | 1716.3 |
| 7.5°  | 1660.3 |
| 10°   | 1589.3 |
| 12.5° | 1497.7 |
| 15°   | 1395.4 |
| 17.5° | 1277.0 |
| 20°   | 1142.4 |
| 22.5° | 997.1  |
| 25°   | 840.9  |
| 27.5° | 675.1  |
| 30°   | 522.2  |
| 32.5° | 393.0  |
| 35°   | 292.9  |
| 37.5° | 216.4  |
| 40°   | 158.3  |
| 42.5° | 112.0  |
| 45°   | 73.2   |
| 47.5° | 42.0   |
| 50°   | 24.8   |
| 52.5° | 18.3   |
| 55°   | 17.2   |
| 57.5° | 15.1   |
| 60°   | 14.0   |
| 62.5° | 12.9   |
| 65°   | 10.8   |
| 67.5° | 9.7    |
| 70°   | 8.6    |
| 72.5° | 7.5    |
| 75°   | 6.5    |
| 77.5° | 5.4    |
| 80°   | 4.3    |
| 82.5° | 3.2    |
| 85°   | 2.2    |
| 87.5° | 1.1    |
| 90°   | 0.0    |

(END OF REPORT)