

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: P1258911

Luminaire Tested: P3AS02R409050DE010 E3DLD1LI

Issue Date: 1/30/2026

**Test Information**

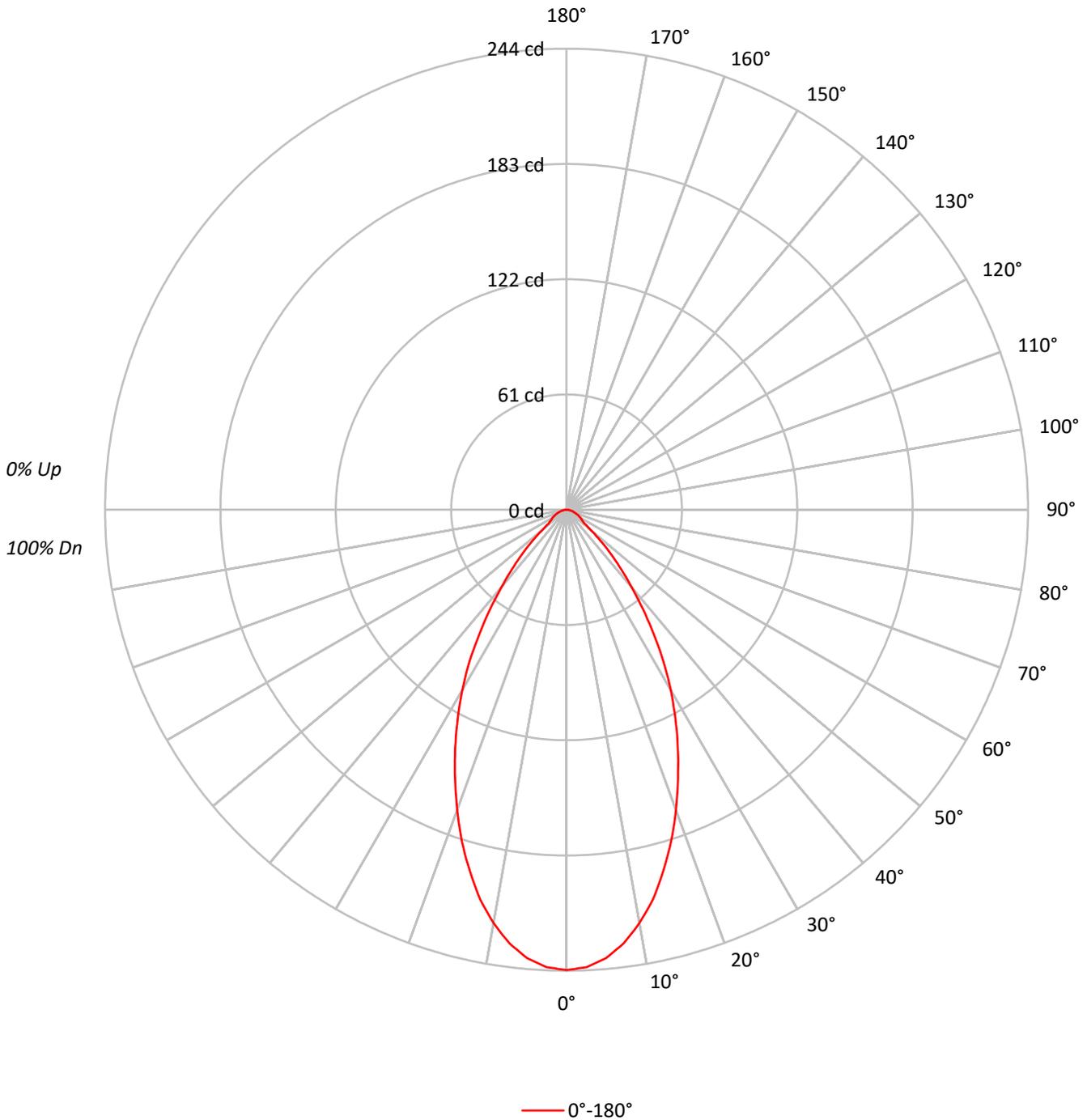
Test Method: LM-79-2019  
Report Number: P1258911  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS02R409050DE010 E3DLD1LI  
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 238.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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  |     |    | 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 |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 94  | 93  | 91  |    |    | 91  |
| 2   | 106 | 100 | 96  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 89  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    | 83  |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 83  | 80  | 78  | 76  |    |    | 76  |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 78  | 74  | 82  | 77  | 73  | 80  | 75  | 72  | 78  | 74  | 71  | 69  |    |    | 69  |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 67  | 76  | 71  | 67  | 75  | 70  | 66  | 73  | 69  | 66  | 64  |    |    | 64  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 67  | 62  | 71  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 61  | 59  |    |    | 59  |
| 7   | 79  | 69  | 62  | 57  | 78  | 68  | 62  | 57  | 67  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 56  | 55  |    |    | 55  |
| 8   | 75  | 64  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 53  | 62  | 56  | 53  | 61  | 56  | 52  | 51  |    |    | 51  |
| 9   | 71  | 60  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 48  |    |    | 48  |
| 10  | 67  | 57  | 51  | 46  | 66  | 56  | 50  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 46  | 45  |    |    | 45  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 53417 |
| 5°  | 52454 |
| 10° | 49454 |
| 15° | 44904 |
| 20° | 39460 |
| 25° | 33704 |
| 30° | 27903 |
| 35° | 21522 |
| 40° | 15314 |
| 45° | 10327 |
| 50° | 5629  |
| 55° | 3976  |
| 60° | 3728  |
| 65° | 3476  |
| 70° | 3077  |
| 75° | 2965  |
| 80° | 2399  |
| 85° | 2013  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10327 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 22.2   | 9.3       |
| 10°-20°   | 55.1   | 23.2      |
| 20°-30°   | 63.7   | 26.8      |
| 30°-40°   | 50.2   | 21.1      |
| 40°-50°   | 25.8   | 10.8      |
| 50°-60°   | 9.9    | 4.1       |
| 60°-70°   | 6.5    | 2.7       |
| 70°-80°   | 3.6    | 1.5       |
| 80°-90°   | 1.0    | 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       |
| 0°-30°    | 141.0  | 59.3      |
| 0°-40°    | 191.3  | 80.3      |
| 0°-60°    | 226.9  | 95.3      |
| 0°-90°    | 238.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 238.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 244 |      |
| 5°  | 238 | 22   |
| 15° | 198 | 55   |
| 25° | 139 | 64   |
| 35° | 80  | 50   |
| 45° | 33  | 26   |
| 55° | 10  | 10   |
| 65° | 7   | 7    |
| 75° | 4   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 243.6 |
| 2.5°  | 242.3 |
| 5°    | 238.3 |
| 7.5°  | 231.4 |
| 10°   | 222.1 |
| 12.5° | 211.2 |
| 15°   | 197.8 |
| 17.5° | 184.0 |
| 20°   | 169.1 |
| 22.5° | 153.9 |
| 25°   | 139.3 |
| 27.5° | 124.6 |
| 30°   | 110.2 |
| 32.5° | 95.6  |
| 35°   | 80.4  |
| 37.5° | 66.3  |
| 40°   | 53.5  |
| 42.5° | 42.6  |
| 45°   | 33.3  |
| 47.5° | 24.2  |
| 50°   | 16.5  |
| 52.5° | 12.0  |
| 55°   | 10.4  |
| 57.5° | 9.3   |
| 60°   | 8.5   |
| 62.5° | 7.5   |
| 65°   | 6.7   |
| 67.5° | 5.6   |
| 70°   | 4.8   |
| 72.5° | 4.0   |
| 75°   | 3.5   |
| 77.5° | 2.7   |
| 80°   | 1.9   |
| 82.5° | 1.6   |
| 85°   | 0.8   |
| 87.5° | 0.5   |
| 90°   | 0.0   |

(END OF REPORT)