

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: P1269736

Luminaire Tested: P3A13R159740DE010 E3DLD1LI

Issue Date: 1/30/2026

**Test Information**

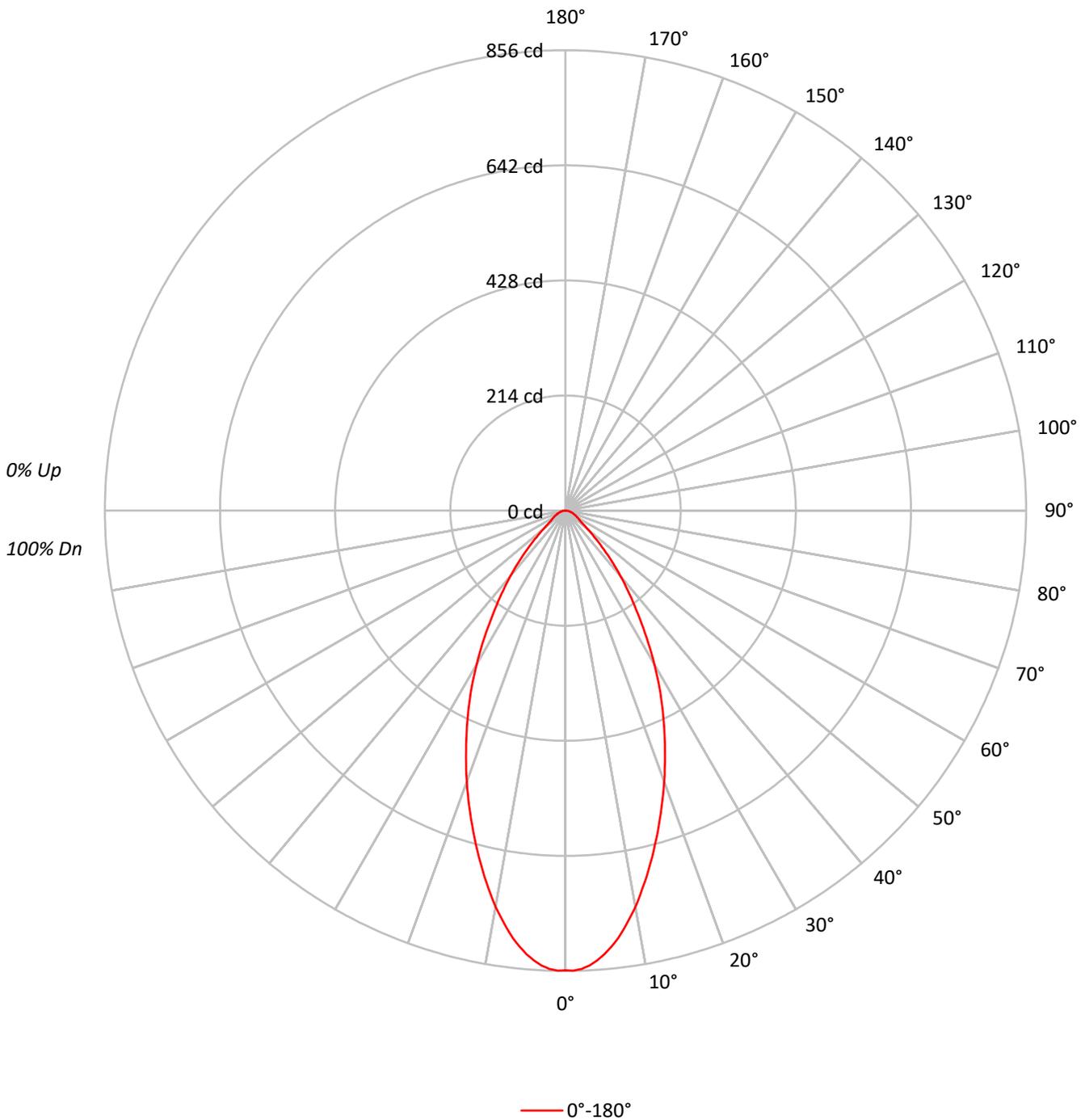
Test Method: LM-79-2019  
Report Number: P1269736  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R159740DE010 E3DLD1LI  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 743.0 lumens  
Efficiency: N/A  
Efficacy: 50.9 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.6  
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   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 91  |    |    | 91  |
| 2   | 106 | 100 | 96  | 92  | 104 | 99  | 95  | 91  | 95  | 92  | 89  | 92  | 90  | 87  | 90  | 87  | 85  | 83  |    |    | 83  |
| 3   | 100 | 93  | 87  | 83  | 98  | 91  | 86  | 82  | 89  | 84  | 81  | 86  | 82  | 79  | 84  | 81  | 78  | 76  |    |    | 76  |
| 4   | 94  | 86  | 80  | 75  | 92  | 85  | 79  | 74  | 82  | 77  | 73  | 80  | 76  | 73  | 78  | 75  | 72  | 70  |    |    | 70  |
| 5   | 89  | 80  | 73  | 68  | 87  | 79  | 73  | 68  | 77  | 72  | 67  | 75  | 71  | 67  | 74  | 69  | 66  | 65  |    |    | 65  |
| 6   | 84  | 74  | 68  | 63  | 83  | 73  | 67  | 63  | 72  | 66  | 62  | 70  | 66  | 62  | 69  | 65  | 61  | 60  |    |    | 60  |
| 7   | 80  | 69  | 63  | 58  | 78  | 69  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 65  | 61  | 57  | 56  |    |    | 56  |
| 8   | 76  | 65  | 59  | 54  | 74  | 65  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 53  | 52  |    |    | 52  |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 50  | 49  |    |    | 49  |
| 10  | 68  | 58  | 52  | 48  | 67  | 57  | 51  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 47  | 46  |    |    | 46  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 187419 |
| 5°  | 182324 |
| 10° | 166619 |
| 15° | 145949 |
| 20° | 125194 |
| 25° | 104522 |
| 30° | 83658  |
| 35° | 62747  |
| 40° | 45542  |
| 45° | 29771  |
| 50° | 18626  |
| 55° | 12578  |
| 60° | 11139  |
| 65° | 10273  |
| 70° | 9681   |
| 75° | 8811   |
| 80° | 8334   |
| 85° | 7045   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29771 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 76.4   | 10.3      |
| 10°-20°   | 179.1  | 24.1      |
| 20°-30°   | 197.4  | 26.6      |
| 30°-40°   | 147.8  | 19.9      |
| 40°-50°   | 76.6   | 10.3      |
| 50°-60°   | 31.8   | 4.3       |
| 60°-70°   | 19.7   | 2.6       |
| 70°-80°   | 11.1   | 1.5       |
| 80°-90°   | 3.2    | 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°    | 452.9  | 61.0      |
| 0°-40°    | 600.7  | 80.9      |
| 0°-60°    | 709.1  | 95.4      |
| 0°-90°    | 743.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 743.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 855 |      |
| 5°  | 828 | 76   |
| 15° | 643 | 179  |
| 25° | 432 | 197  |
| 35° | 234 | 148  |
| 45° | 96  | 77   |
| 55° | 33  | 32   |
| 65° | 20  | 20   |
| 75° | 10  | 11   |
| 85° | 3   | 3    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 854.7 |
| 1°    | 855.6 |
| 2°    | 852.8 |
| 3°    | 847.1 |
| 4°    | 838.7 |
| 5°    | 828.3 |
| 6°    | 815.1 |
| 7°    | 801.0 |
| 8°    | 784.1 |
| 9°    | 766.2 |
| 10°   | 748.3 |
| 12.5° | 696.5 |
| 15°   | 642.9 |
| 17.5° | 589.2 |
| 20°   | 536.5 |
| 22.5° | 482.9 |
| 25°   | 432.0 |
| 27.5° | 381.2 |
| 30°   | 330.4 |
| 32.5° | 280.5 |
| 35°   | 234.4 |
| 37.5° | 194.8 |
| 40°   | 159.1 |
| 42.5° | 126.1 |
| 45°   | 96.0  |
| 47.5° | 72.5  |
| 50°   | 54.6  |
| 52.5° | 40.5  |
| 55°   | 32.9  |
| 57.5° | 29.2  |
| 60°   | 25.4  |
| 62.5° | 22.6  |
| 65°   | 19.8  |
| 67.5° | 16.9  |
| 70°   | 15.1  |
| 72.5° | 12.2  |
| 75°   | 10.4  |
| 77.5° | 8.5   |
| 80°   | 6.6   |
| 82.5° | 4.7   |
| 85°   | 2.8   |
| 87.5° | 0.9   |
| 90°   | 0.0   |

(END OF REPORT)