

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: P1297666

Luminaire Tested: P3A13R50W2N902750DE010 E3DLP1GPH\_2700K

Issue Date: 1/30/2026

**Test Information**

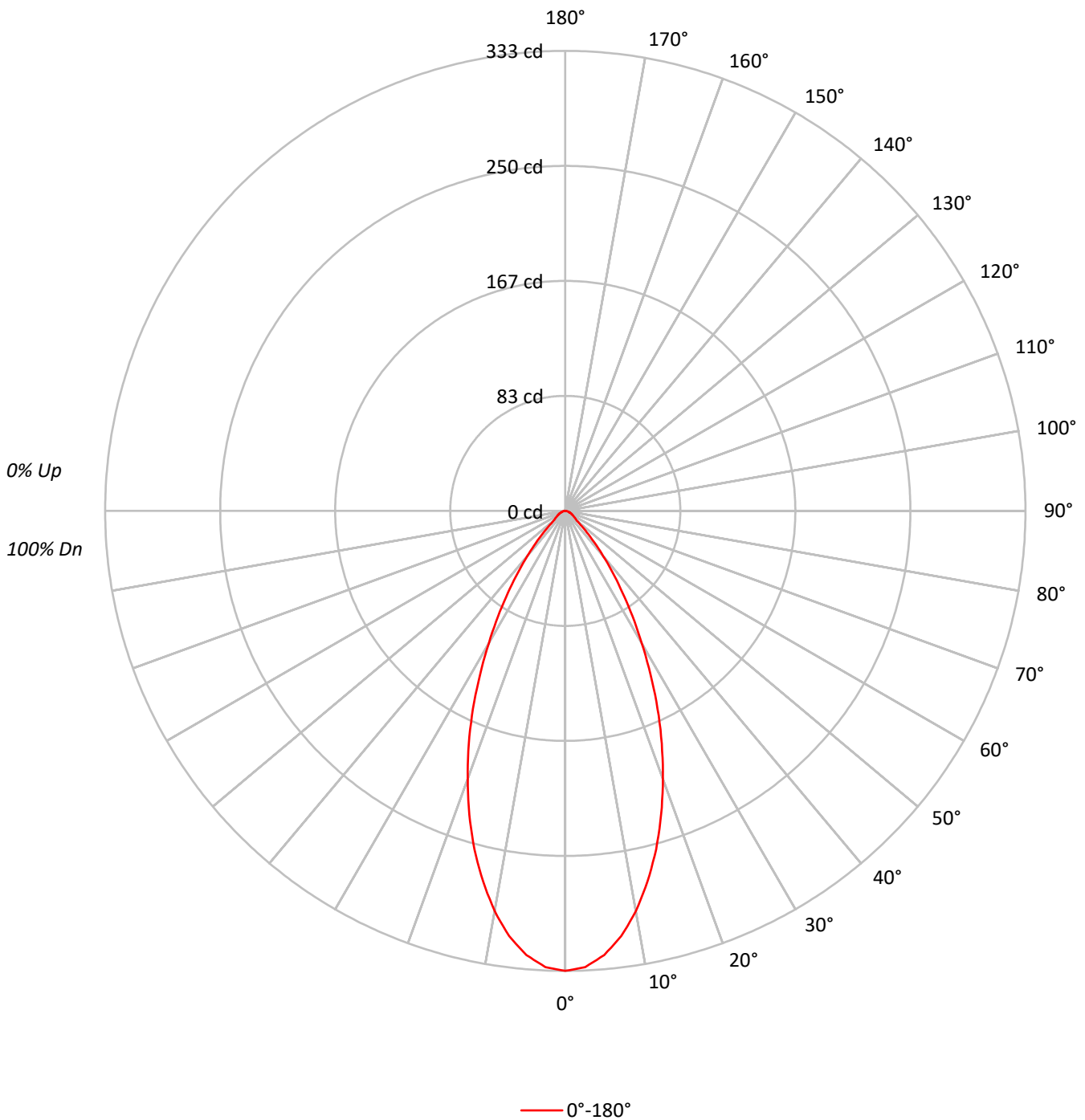
Test Method: LM-79-2019  
Report Number: P1297666  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R50W2N902750DE010 E3DLP1GPH\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,  
E3DLP1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 251.0 lumens  
Efficiency: N/A  
Efficacy: 20.4 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 12.3  
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 | 100 | 100 |
| 1   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 95  | 94  | 93  | 93  | 93  | 93  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85  | 85  | 85  | 85  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 85  | 91  | 87  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 79  | 79  | 79  | 79  |
| 4   | 96  | 88  | 82  | 78  | 94  | 87  | 82  | 78  | 85  | 80  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 73  | 73  | 73  | 73  |
| 5   | 91  | 83  | 76  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 77  | 73  | 70  | 68  | 68  | 68  | 68  |
| 6   | 87  | 77  | 71  | 67  | 85  | 77  | 71  | 67  | 75  | 70  | 66  | 74  | 69  | 66  | 72  | 68  | 65  | 64  | 64  | 64  | 64  |
| 7   | 82  | 73  | 67  | 62  | 81  | 72  | 66  | 62  | 71  | 66  | 62  | 70  | 65  | 61  | 68  | 64  | 61  | 60  | 60  | 60  | 60  |
| 8   | 78  | 69  | 63  | 58  | 77  | 68  | 62  | 58  | 67  | 62  | 58  | 66  | 61  | 58  | 65  | 61  | 57  | 56  | 56  | 56  | 56  |
| 9   | 75  | 65  | 59  | 55  | 74  | 64  | 59  | 55  | 63  | 58  | 55  | 63  | 58  | 54  | 62  | 57  | 54  | 53  | 53  | 53  | 53  |
| 10  | 71  | 61  | 56  | 52  | 70  | 61  | 55  | 52  | 60  | 55  | 51  | 59  | 55  | 51  | 59  | 54  | 51  | 50  | 50  | 50  | 50  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 72999 |
| 5°  | 71032 |
| 10° | 65508 |
| 15° | 57617 |
| 20° | 48188 |
| 25° | 38228 |
| 30° | 28030 |
| 35° | 19274 |
| 40° | 12252 |
| 45° | 6853  |
| 50° | 3718  |
| 55° | 3135  |
| 60° | 2675  |
| 65° | 2491  |
| 70° | 2180  |
| 75° | 2033  |
| 80° | 1768  |
| 85° | 1761  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6853 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 29.9   | 11.9      |
| 10°-20°   | 70.3   | 28.0      |
| 20°-30°   | 71.9   | 28.6      |
| 30°-40°   | 45.6   | 18.2      |
| 40°-50°   | 18.1   | 7.2       |
| 50°-60°   | 7.4    | 2.9       |
| 60°-70°   | 4.7    | 1.9       |
| 70°-80°   | 2.4    | 1.0       |
| 80°-90°   | 0.7    | 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°    | 172.1  | 68.5      |
| 0°-40°    | 217.6  | 86.7      |
| 0°-60°    | 243.1  | 96.9      |
| 0°-90°    | 251.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 251.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 333 |      |
| 5°  | 323 | 30   |
| 15° | 254 | 70   |
| 25° | 158 | 72   |
| 35° | 72  | 46   |
| 45° | 22  | 18   |
| 55° | 8   | 7    |
| 65° | 5   | 5    |
| 75° | 2   | 2    |
| 85° | 1   | 1    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 332.9 |
| 2.5°  | 330.5 |
| 5°    | 322.7 |
| 7.5°  | 310.5 |
| 10°   | 294.2 |
| 12.5° | 274.8 |
| 15°   | 253.8 |
| 17.5° | 230.7 |
| 20°   | 206.5 |
| 22.5° | 182.4 |
| 25°   | 158.0 |
| 27.5° | 133.5 |
| 30°   | 110.7 |
| 32.5° | 90.4  |
| 35°   | 72.0  |
| 37.5° | 56.4  |
| 40°   | 42.8  |
| 42.5° | 31.6  |
| 45°   | 22.1  |
| 47.5° | 14.9  |
| 50°   | 10.9  |
| 52.5° | 9.2   |
| 55°   | 8.2   |
| 57.5° | 7.1   |
| 60°   | 6.1   |
| 62.5° | 5.4   |
| 65°   | 4.8   |
| 67.5° | 4.1   |
| 70°   | 3.4   |
| 72.5° | 2.7   |
| 75°   | 2.4   |
| 77.5° | 1.7   |
| 80°   | 1.4   |
| 82.5° | 1.0   |
| 85°   | 0.7   |
| 87.5° | 0.3   |
| 90°   | 0.0   |

(END OF REPORT)