

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: P1297768

Luminaire Tested: P3A13R50W2N902765DE010 E3DL1H\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297768  
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: P3A13R50W2N902765DE010 E3DL1H\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,  
E3DL1H TRIM  
Light Source: -  
Ballast/Driver: -

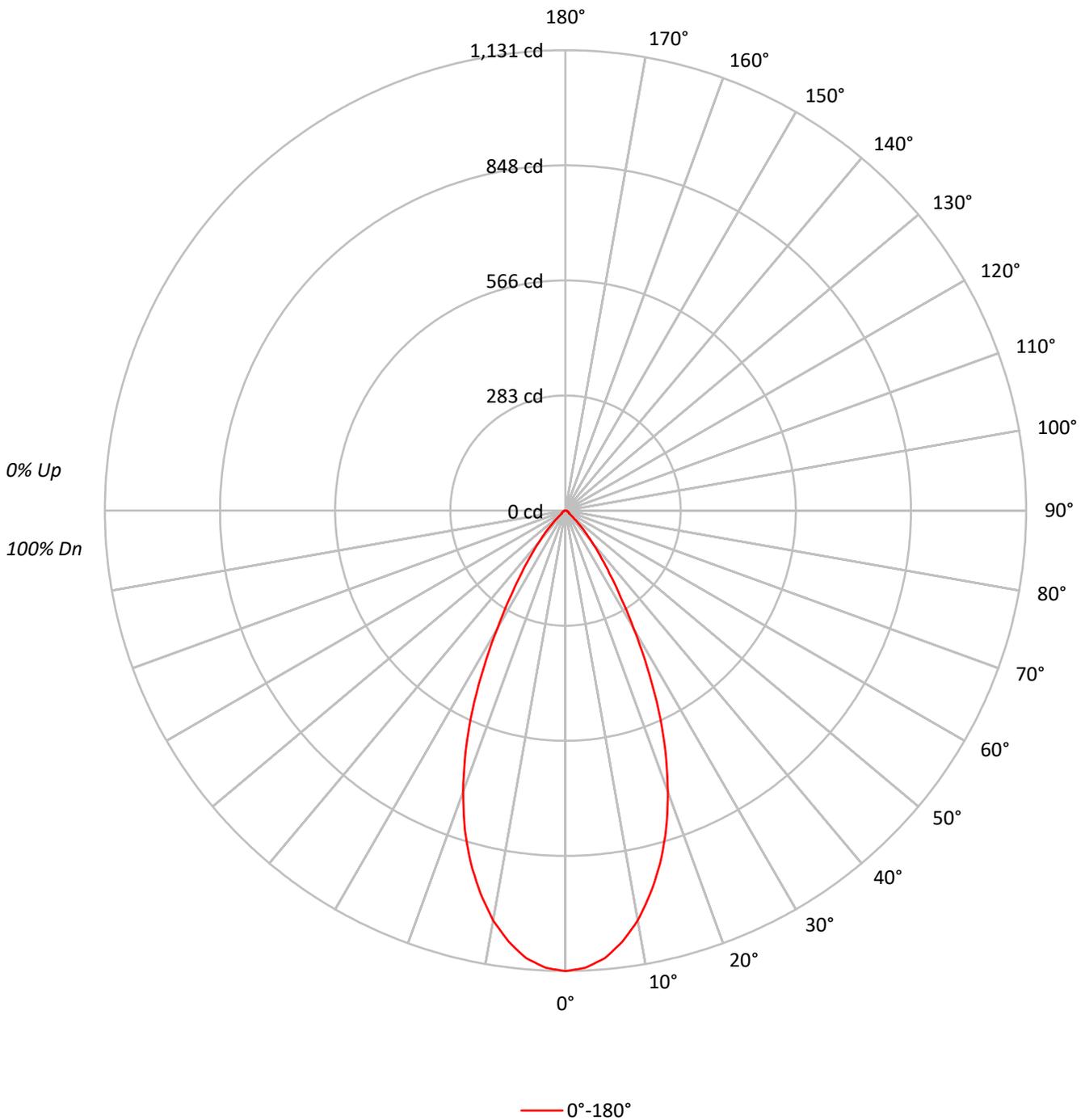
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 779.0 lumens  
Efficiency: N/A  
Efficacy: 63.3 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): 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

TEST NUMBER: P1297768

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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   | 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°  | 248028 |
| 5°  | 243011 |
| 10° | 227629 |
| 15° | 203770 |
| 20° | 171492 |
| 25° | 130870 |
| 30° | 85051  |
| 35° | 50433  |
| 40° | 29140  |
| 45° | 14606  |
| 50° | 5424   |
| 55° | 4244   |
| 60° | 3947   |
| 65° | 3580   |
| 70° | 3526   |
| 75° | 3558   |
| 80° | 3536   |
| 85° | 3522   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14606 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 102.7  | 13.2      |
| 10°-20°   | 248.2  | 31.9      |
| 20°-30°   | 243.5  | 31.3      |
| 30°-40°   | 122.7  | 15.7      |
| 40°-50°   | 38.8   | 5.0       |
| 50°-60°   | 10.1   | 1.3       |
| 60°-70°   | 7.1    | 0.9       |
| 70°-80°   | 4.4    | 0.6       |
| 80°-90°   | 1.5    | 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°    | 594.5  | 76.3      |
| 0°-40°    | 717.2  | 92.1      |
| 0°-60°    | 766.0  | 98.3      |
| 0°-90°    | 779.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 779.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1131 |      |
| 5°  | 1104 | 103  |
| 15° | 898  | 248  |
| 25° | 541  | 244  |
| 35° | 188  | 123  |
| 45° | 47   | 39   |
| 55° | 11   | 10   |
| 65° | 7    | 7    |
| 75° | 4    | 4    |
| 85° | 1    | 2    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1131.1 |
| 2.5°  | 1124.1 |
| 5°    | 1104.0 |
| 7.5°  | 1068.0 |
| 10°   | 1022.3 |
| 12.5° | 963.4  |
| 15°   | 897.6  |
| 17.5° | 821.5  |
| 20°   | 734.9  |
| 22.5° | 641.4  |
| 25°   | 540.9  |
| 27.5° | 434.3  |
| 30°   | 335.9  |
| 32.5° | 252.8  |
| 35°   | 188.4  |
| 37.5° | 139.2  |
| 40°   | 101.8  |
| 42.5° | 72.0   |
| 45°   | 47.1   |
| 47.5° | 27.0   |
| 50°   | 15.9   |
| 52.5° | 11.8   |
| 55°   | 11.1   |
| 57.5° | 9.7    |
| 60°   | 9.0    |
| 62.5° | 8.3    |
| 65°   | 6.9    |
| 67.5° | 6.2    |
| 70°   | 5.5    |
| 72.5° | 4.8    |
| 75°   | 4.2    |
| 77.5° | 3.5    |
| 80°   | 2.8    |
| 82.5° | 2.1    |
| 85°   | 1.4    |
| 87.5° | 0.7    |
| 90°   | 0.0    |

(END OF REPORT)