

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: P1299066

Luminaire Tested: P3A13R70W2N902765DE010 E3DLP1LI\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1299066  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R70W2N902765DE010 E3DLP1LI\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
E3DLP1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

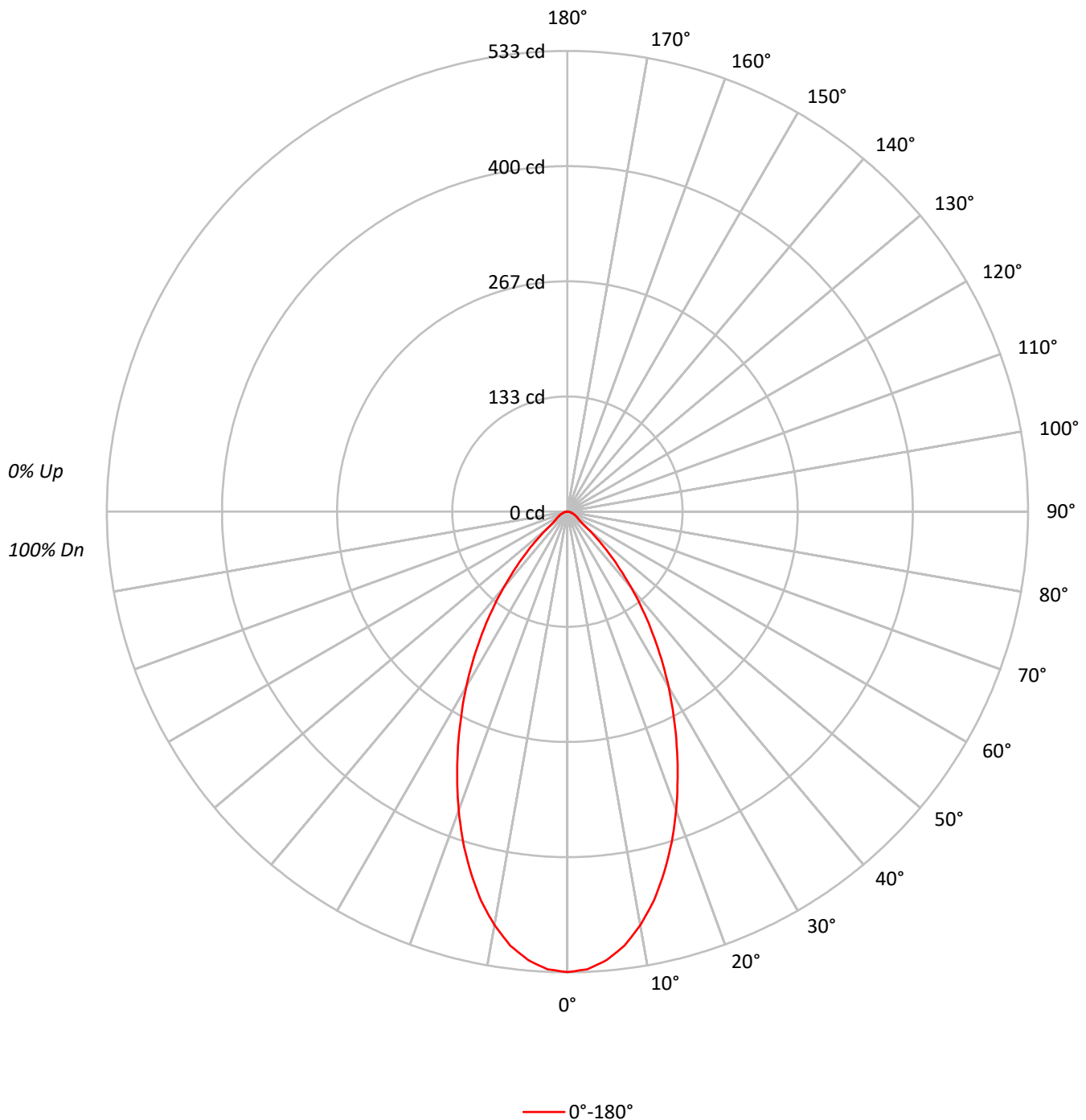
Lumens per Lamp: N/A  
Luminaire Lumens: 498.0 lumens  
Efficiency: N/A  
Efficacy: 40.5 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |  | 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  |  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |  | 100 |
| 1   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 100 |  | 100 | 98  | 97  |  | 96  | 95  | 94  |  | 92  |
| 2   | 106 | 101 | 97  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 90  |  | 93  | 90  | 88  |  | 90  | 88  | 86  |  | 84  |
| 3   | 100 | 93  | 88  | 83  | 98  | 92  | 87  | 83  | 89  | 85  | 81  |  | 87  | 83  | 80  |  | 84  | 81  | 79  |  | 77  |
| 4   | 95  | 86  | 80  | 76  | 93  | 85  | 80  | 75  | 83  | 78  | 74  |  | 81  | 77  | 73  |  | 79  | 76  | 73  |  | 71  |
| 5   | 89  | 80  | 74  | 69  | 88  | 79  | 73  | 69  | 78  | 72  | 68  |  | 76  | 71  | 68  |  | 74  | 70  | 67  |  | 65  |
| 6   | 85  | 75  | 68  | 64  | 83  | 74  | 68  | 64  | 73  | 67  | 63  |  | 71  | 66  | 63  |  | 70  | 65  | 62  |  | 61  |
| 7   | 80  | 70  | 64  | 59  | 79  | 69  | 63  | 59  | 68  | 62  | 58  |  | 67  | 62  | 58  |  | 66  | 61  | 58  |  | 56  |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 54  |  | 63  | 58  | 54  |  | 62  | 57  | 54  |  | 52  |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  |  | 59  | 54  | 51  |  | 58  | 54  | 50  |  | 49  |
| 10  | 69  | 58  | 52  | 48  | 67  | 58  | 52  | 48  | 57  | 51  | 48  |  | 56  | 51  | 48  |  | 55  | 51  | 47  |  | 46  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 116811 |
| 5°  | 114660 |
| 10° | 108125 |
| 15° | 98139  |
| 20° | 85827  |
| 25° | 72415  |
| 30° | 59275  |
| 35° | 45990  |
| 40° | 32919  |
| 45° | 20839  |
| 50° | 10405  |
| 55° | 6346   |
| 60° | 5482   |
| 65° | 5033   |
| 70° | 4424   |
| 75° | 4067   |
| 80° | 3536   |
| 85° | 3522   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20839 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.6   | 9.8       |
| 10°-20°   | 120.3  | 24.2      |
| 20°-30°   | 137.0  | 27.5      |
| 30°-40°   | 107.1  | 21.5      |
| 40°-50°   | 52.6   | 10.6      |
| 50°-60°   | 16.2   | 3.2       |
| 60°-70°   | 9.6    | 1.9       |
| 70°-80°   | 5.1    | 1.0       |
| 80°-90°   | 1.5    | 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°    | 305.9  | 61.4      |
| 0°-40°    | 413.0  | 82.9      |
| 0°-60°    | 481.8  | 96.7      |
| 0°-90°    | 498.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 498.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 533 |      |
| 5°  | 521 | 49   |
| 15° | 432 | 120  |
| 25° | 299 | 137  |
| 35° | 172 | 107  |
| 45° | 67  | 53   |
| 55° | 17  | 16   |
| 65° | 10  | 10   |
| 75° | 5   | 5    |
| 85° | 1   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 532.7 |
| 2.5°  | 529.9 |
| 5°    | 520.9 |
| 7.5°  | 506.4 |
| 10°   | 485.6 |
| 12.5° | 461.4 |
| 15°   | 432.3 |
| 17.5° | 401.1 |
| 20°   | 367.8 |
| 22.5° | 333.2 |
| 25°   | 299.3 |
| 27.5° | 266.0 |
| 30°   | 234.1 |
| 32.5° | 202.3 |
| 35°   | 171.8 |
| 37.5° | 142.7 |
| 40°   | 115.0 |
| 42.5° | 89.4  |
| 45°   | 67.2  |
| 47.5° | 47.1  |
| 50°   | 30.5  |
| 52.5° | 20.1  |
| 55°   | 16.6  |
| 57.5° | 14.5  |
| 60°   | 12.5  |
| 62.5° | 11.1  |
| 65°   | 9.7   |
| 67.5° | 8.3   |
| 70°   | 6.9   |
| 72.5° | 5.5   |
| 75°   | 4.8   |
| 77.5° | 4.2   |
| 80°   | 2.8   |
| 82.5° | 2.1   |
| 85°   | 1.4   |
| 87.5° | 0.7   |
| 90°   | 0.0   |

(END OF REPORT)