

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: P1246782

Luminaire Tested: P3A13R129024DE010 E3DLP1LI

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1246782  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R129024DE010 E3DLP1LI  
Description: 3in Adjustable LED luminaire with, R12 optic, 2400K CCT AND, 90CRI , E3DLP1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

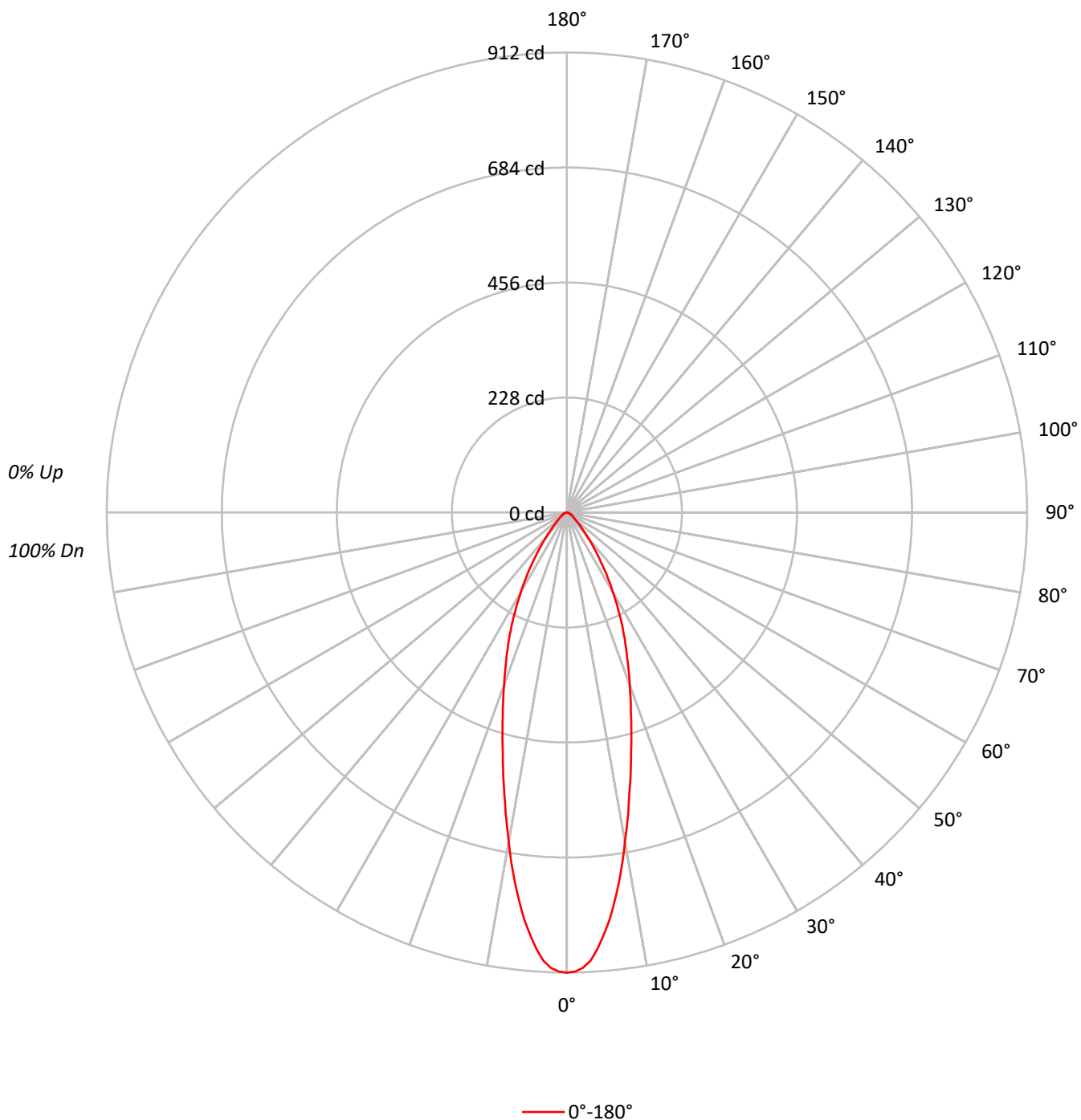
Lumens per Lamp: N/A  
Luminaire Lumens: 464.1 lumens  
Efficiency: N/A  
Efficacy: 29.9 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.5  
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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 113 | 110 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 102 | 101 |  | 100 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  |  | 95  | 92  | 90  |  | 92  |
| 3   | 102 | 96  | 91  | 87  | 100 | 94  | 90  | 86  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 87  |
| 4   | 97  | 90  | 84  | 80  | 95  | 88  | 83  | 79  | 86  | 82  | 78  |  | 84  | 81  | 78  |  | 82  |
| 5   | 93  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 81  | 77  | 73  |  | 80  | 76  | 72  |  | 78  |
| 6   | 88  | 79  | 73  | 69  | 87  | 79  | 73  | 69  | 77  | 72  | 69  |  | 76  | 71  | 68  |  | 74  |
| 7   | 84  | 75  | 69  | 65  | 83  | 74  | 69  | 65  | 73  | 68  | 64  |  | 72  | 67  | 64  |  | 71  |
| 8   | 80  | 71  | 65  | 61  | 79  | 71  | 65  | 61  | 69  | 64  | 61  |  | 68  | 64  | 61  |  | 67  |
| 9   | 77  | 68  | 62  | 58  | 76  | 67  | 62  | 58  | 66  | 61  | 58  |  | 65  | 61  | 57  |  | 64  |
| 10  | 74  | 64  | 59  | 55  | 73  | 64  | 59  | 55  | 63  | 58  | 55  |  | 62  | 58  | 55  |  | 62  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 200094 |
| 5°  | 184921 |
| 10° | 147648 |
| 15° | 111533 |
| 20° | 84917  |
| 25° | 64721  |
| 30° | 46362  |
| 35° | 30249  |
| 40° | 18549  |
| 45° | 11226  |
| 50° | 7471   |
| 55° | 5773   |
| 60° | 4956   |
| 65° | 4307   |
| 70° | 3847   |
| 75° | 3813   |
| 80° | 2904   |
| 85° | 2013   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11226 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.4   | 16.0      |
| 10°-20°   | 137.3  | 29.6      |
| 20°-30°   | 122.3  | 26.3      |
| 30°-40°   | 72.3   | 15.6      |
| 40°-50°   | 29.7   | 6.4       |
| 50°-60°   | 13.9   | 3.0       |
| 60°-70°   | 8.5    | 1.8       |
| 70°-80°   | 4.5    | 1.0       |
| 80°-90°   | 1.2    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 334.0  | 72.0      |
| 0°-40°    | 406.3  | 87.6      |
| 0°-60°    | 450.0  | 97.0      |
| 0°-90°    | 464.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 464.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 912 |      |
| 5°  | 840 | 74   |
| 15° | 491 | 137  |
| 25° | 268 | 122  |
| 35° | 113 | 72   |
| 45° | 36  | 30   |
| 55° | 15  | 14   |
| 65° | 8   | 8    |
| 75° | 4   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 912.5 |
| 1°    | 910.2 |
| 2°    | 903.4 |
| 3°    | 889.9 |
| 4°    | 867.3 |
| 5°    | 840.1 |
| 6°    | 810.7 |
| 7°    | 776.1 |
| 8°    | 739.9 |
| 9°    | 703.0 |
| 10°   | 663.1 |
| 12.5° | 571.9 |
| 15°   | 491.3 |
| 17.5° | 422.0 |
| 20°   | 363.9 |
| 22.5° | 312.7 |
| 25°   | 267.5 |
| 27.5° | 223.8 |
| 30°   | 183.1 |
| 32.5° | 146.2 |
| 35°   | 113.0 |
| 37.5° | 86.7  |
| 40°   | 64.8  |
| 42.5° | 48.2  |
| 45°   | 36.2  |
| 47.5° | 27.9  |
| 50°   | 21.9  |
| 52.5° | 18.1  |
| 55°   | 15.1  |
| 57.5° | 12.8  |
| 60°   | 11.3  |
| 62.5° | 9.8   |
| 65°   | 8.3   |
| 67.5° | 7.5   |
| 70°   | 6.0   |
| 72.5° | 5.3   |
| 75°   | 4.5   |
| 77.5° | 3.0   |
| 80°   | 2.3   |
| 82.5° | 1.5   |
| 85°   | 0.8   |
| 87.5° | 0.8   |
| 90°   | 0.0   |

(END OF REPORT)