

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: P1246536

Luminaire Tested: P3A09R409024DE010 E3D1WH

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1246536  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R409024DE010 E3D1WH  
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

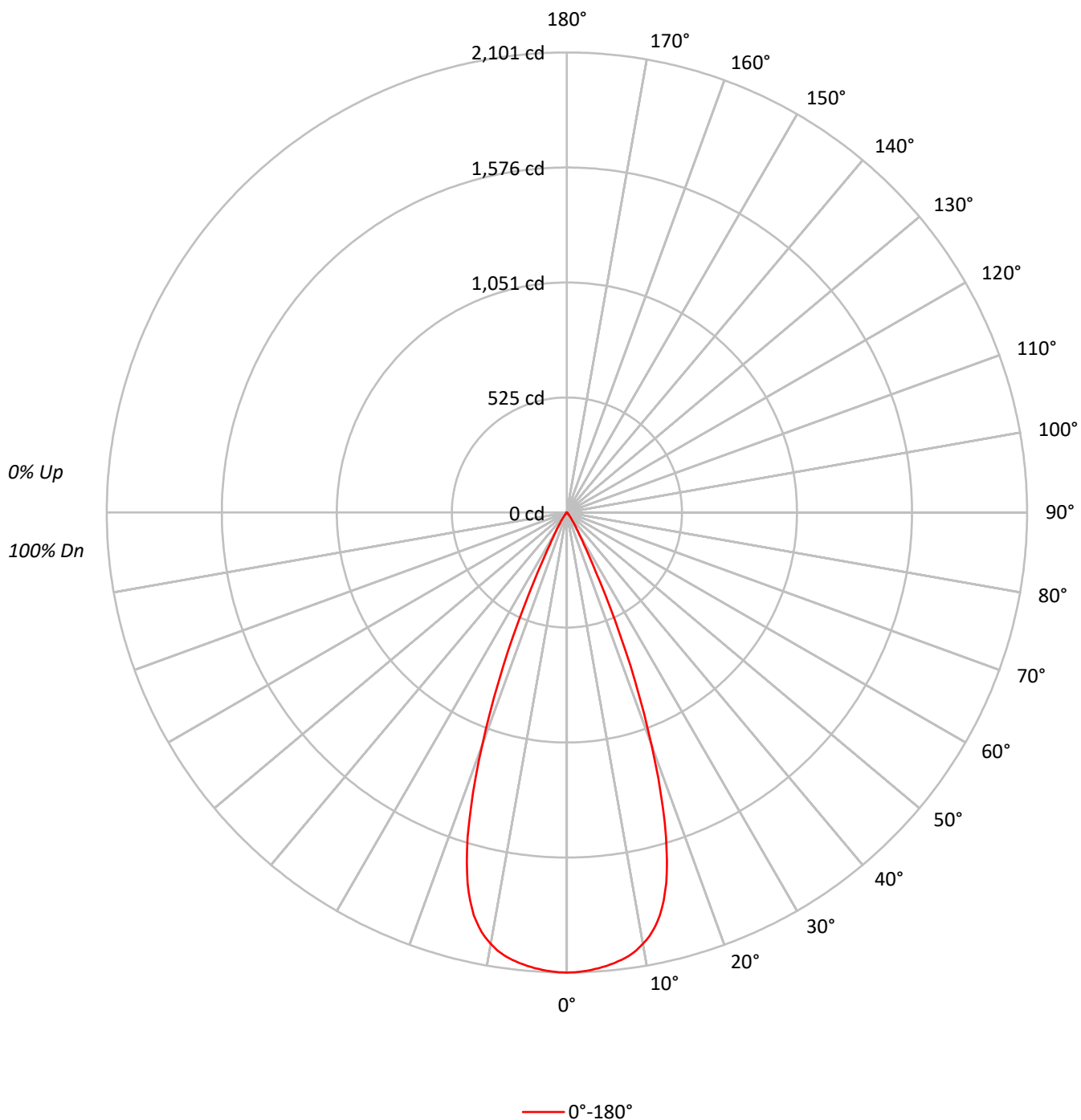
Lumens per Lamp: N/A  
Luminaire Lumens: 904.0 lumens  
Efficiency: N/A  
Efficacy: 81.4 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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   | 115 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 96  |
| 3   | 107 | 102 | 98  | 95  | 105 | 100 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 93  |
| 4   | 103 | 97  | 93  | 90  | 101 | 96  | 92  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 5   | 99  | 93  | 89  | 85  | 98  | 92  | 88  | 85  | 91  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 6   | 96  | 89  | 85  | 81  | 95  | 89  | 84  | 81  | 87  | 83  | 81  |  | 86  | 83  | 80  |  | 85  |
| 7   | 93  | 86  | 81  | 78  | 92  | 85  | 81  | 78  | 84  | 80  | 77  |  | 83  | 80  | 77  |  | 82  |
| 8   | 90  | 83  | 78  | 75  | 89  | 82  | 78  | 75  | 81  | 77  | 75  |  | 80  | 77  | 74  |  | 79  |
| 9   | 87  | 80  | 75  | 72  | 86  | 79  | 75  | 72  | 78  | 75  | 72  |  | 78  | 74  | 72  |  | 77  |
| 10  | 84  | 77  | 72  | 70  | 83  | 77  | 72  | 69  | 76  | 72  | 69  |  | 75  | 72  | 69  |  | 75  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 460796 |
| 5°  | 457472 |
| 10° | 445483 |
| 15° | 397936 |
| 20° | 263876 |
| 25° | 98861  |
| 30° | 26434  |
| 35° | 10333  |
| 40° | 3721   |
| 45° | 1768   |
| 50° | 546    |
| 55° | 229    |
| 60° | 132    |
| 65° | 156    |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1768 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 196.1  | 21.7      |
| 10°-20°   | 464.5  | 51.4      |
| 20°-30°   | 210.6  | 23.3      |
| 30°-40°   | 27.3   | 3.0       |
| 40°-50°   | 4.7    | 0.5       |
| 50°-60°   | 0.5    | 0.1       |
| 60°-70°   | 0.2    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 871.2  | 96.4      |
| 0°-40°    | 898.5  | 99.4      |
| 0°-60°    | 903.8  | 100.0     |
| 0°-90°    | 904.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 904.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2101 |      |
| 5°  | 2078 | 196  |
| 15° | 1753 | 464  |
| 25° | 409  | 211  |
| 35° | 39   | 27   |
| 45° | 6    | 5    |
| 55° | 1    | 1    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2101.4 |
| 1°    | 2100.1 |
| 2°    | 2096.9 |
| 3°    | 2092.2 |
| 4°    | 2086.2 |
| 5°    | 2078.3 |
| 6°    | 2069.1 |
| 7°    | 2057.7 |
| 8°    | 2043.8 |
| 9°    | 2024.8 |
| 10°   | 2000.7 |
| 11°   | 1972.6 |
| 12°   | 1934.9 |
| 13°   | 1888.4 |
| 14°   | 1827.6 |
| 15°   | 1752.9 |
| 16°   | 1657.7 |
| 17°   | 1549.1 |
| 18°   | 1418.7 |
| 19°   | 1281.1 |
| 20°   | 1130.8 |
| 21°   | 980.4  |
| 22°   | 832.3  |
| 23°   | 684.8  |
| 24°   | 539.9  |
| 25°   | 408.6  |
| 26°   | 302.5  |
| 27°   | 221.5  |
| 28°   | 166.5  |
| 29°   | 129.4  |
| 30°   | 104.4  |
| 31°   | 86.4   |
| 32°   | 72.2   |
| 32.5° | 65.8   |
| 33°   | 59.5   |
| 34°   | 48.4   |
| 35°   | 38.6   |
| 36°   | 30.4   |
| 37°   | 24.1   |
| 37.5° | 21.5   |
| 38°   | 19.0   |
| 39°   | 15.8   |
| 40°   | 13.0   |
| 42.5° | 8.5    |
| 45°   | 5.7    |

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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 3.5 |
| 50°   | 1.6 |
| 52.5° | 0.6 |
| 55°   | 0.6 |
| 57.5° | 0.3 |
| 60°   | 0.3 |
| 62.5° | 0.3 |
| 65°   | 0.3 |
| 67.5° | 0.0 |
| 70°   | 0.0 |
| 72.5° | 0.0 |
| 75°   | 0.0 |
| 77.5° | 0.0 |
| 80°   | 0.0 |
| 82.5° | 0.0 |
| 85°   | 0.0 |
| 87.5° | 0.0 |
| 90°   | 0.0 |

(END OF REPORT)