

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: P1246169

Luminaire Tested: P3A05R409024DE010 E3DLD1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1246169  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R409024DE010 E3DLD1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

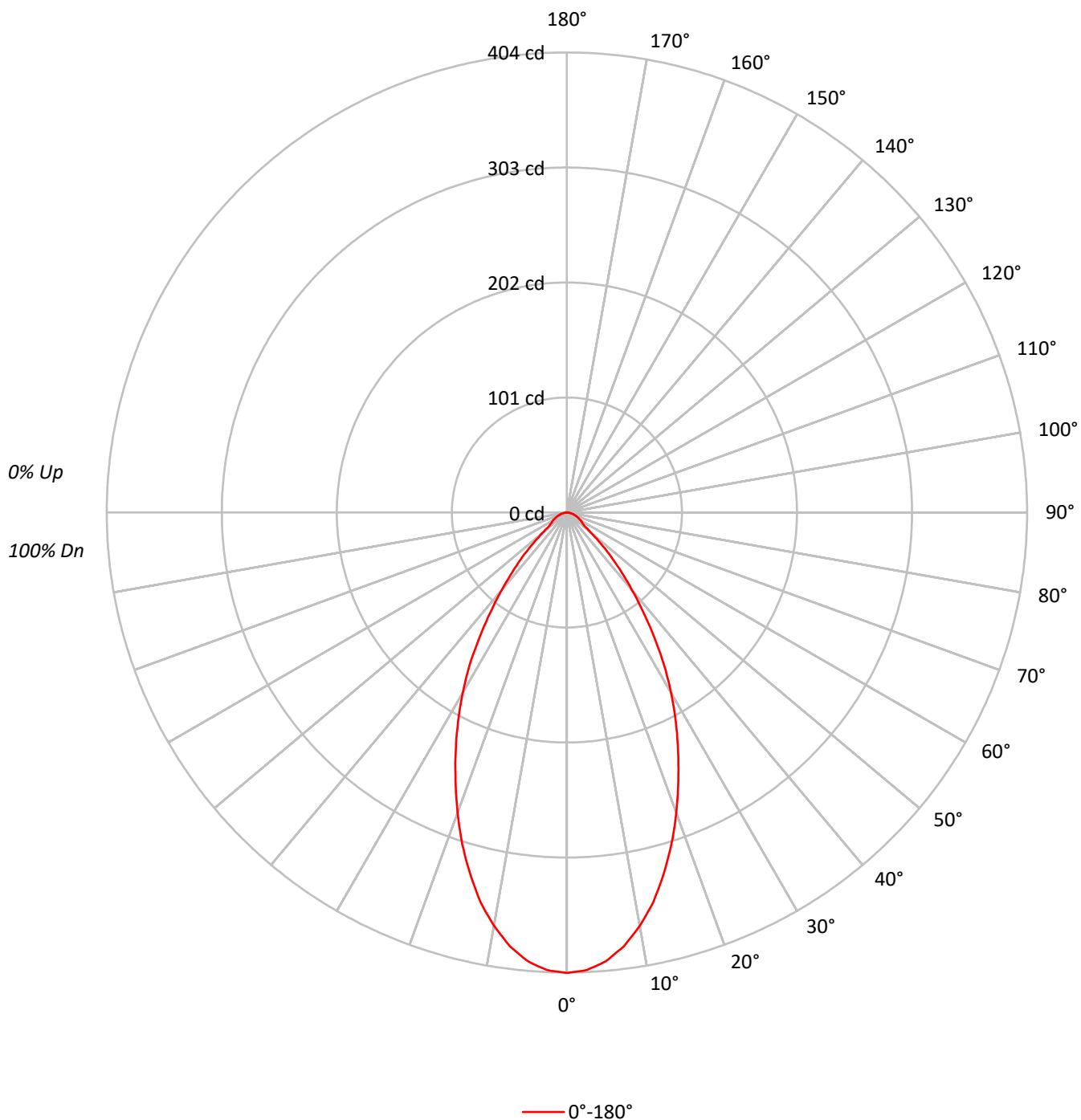
Lumens per Lamp: N/A  
Luminaire Lumens: 395.0 lumens  
Efficiency: N/A  
Efficacy: 54.9 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 98  | 96  |  | 96  |
| 2   | 106 | 100 | 96  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 89  |  | 92  | 89  | 87  |  | 89  |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 83  |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 78  | 74  | 82  | 77  | 73  |  | 80  | 75  | 72  |  | 78  |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 67  | 76  | 71  | 67  |  | 75  | 70  | 66  |  | 73  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 67  | 62  | 71  | 66  | 61  |  | 70  | 65  | 61  |  | 68  |
| 7   | 79  | 69  | 62  | 57  | 78  | 68  | 62  | 57  | 67  | 61  | 57  |  | 65  | 60  | 57  |  | 64  |
| 8   | 75  | 64  | 58  | 53  | 74  | 64  | 58  | 53  | 63  | 57  | 53  |  | 62  | 56  | 53  |  | 61  |
| 9   | 71  | 60  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |
| 10  | 67  | 57  | 51  | 46  | 66  | 56  | 50  | 46  | 56  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 88677 |
| 5°  | 87057 |
| 10° | 82074 |
| 15° | 74552 |
| 20° | 65479 |
| 25° | 55915 |
| 30° | 46336 |
| 35° | 35737 |
| 40° | 25419 |
| 45° | 17118 |
| 50° | 9347  |
| 55° | 6576  |
| 60° | 6184  |
| 65° | 5707  |
| 70° | 5129  |
| 75° | 4829  |
| 80° | 3915  |
| 85° | 3271  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17118 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 36.9   | 9.3       |
| 10°-20°   | 91.5   | 23.2      |
| 20°-30°   | 105.7  | 26.8      |
| 30°-40°   | 83.3   | 21.1      |
| 40°-50°   | 42.8   | 10.8      |
| 50°-60°   | 16.4   | 4.1       |
| 60°-70°   | 10.8   | 2.7       |
| 70°-80°   | 5.9    | 1.5       |
| 80°-90°   | 1.8    | 0.4       |
| 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°    | 234.1  | 59.3      |
| 0°-40°    | 317.4  | 80.4      |
| 0°-60°    | 376.5  | 95.3      |
| 0°-90°    | 395.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 395.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 404 |      |
| 5°  | 396 | 37   |
| 15° | 328 | 91   |
| 25° | 231 | 106  |
| 35° | 134 | 83   |
| 45° | 55  | 43   |
| 55° | 17  | 16   |
| 65° | 11  | 11   |
| 75° | 6   | 6    |
| 85° | 1   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 404.4 |
| 2.5°  | 402.2 |
| 5°    | 395.5 |
| 7.5°  | 384.0 |
| 10°   | 368.6 |
| 12.5° | 350.4 |
| 15°   | 328.4 |
| 17.5° | 305.4 |
| 20°   | 280.6 |
| 22.5° | 255.4 |
| 25°   | 231.1 |
| 27.5° | 206.8 |
| 30°   | 183.0 |
| 32.5° | 158.7 |
| 35°   | 133.5 |
| 37.5° | 110.0 |
| 40°   | 88.8  |
| 42.5° | 70.7  |
| 45°   | 55.2  |
| 47.5° | 40.2  |
| 50°   | 27.4  |
| 52.5° | 19.9  |
| 55°   | 17.2  |
| 57.5° | 15.5  |
| 60°   | 14.1  |
| 62.5° | 12.4  |
| 65°   | 11.0  |
| 67.5° | 9.3   |
| 70°   | 8.0   |
| 72.5° | 6.6   |
| 75°   | 5.7   |
| 77.5° | 4.4   |
| 80°   | 3.1   |
| 82.5° | 2.7   |
| 85°   | 1.3   |
| 87.5° | 0.9   |
| 90°   | 0.0   |

(END OF REPORT)