

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: P1246260

Luminaire Tested: P3A05R559024DE010 E3DLP1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1246260  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R559024DE010 E3DLP1WMH  
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DLP1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

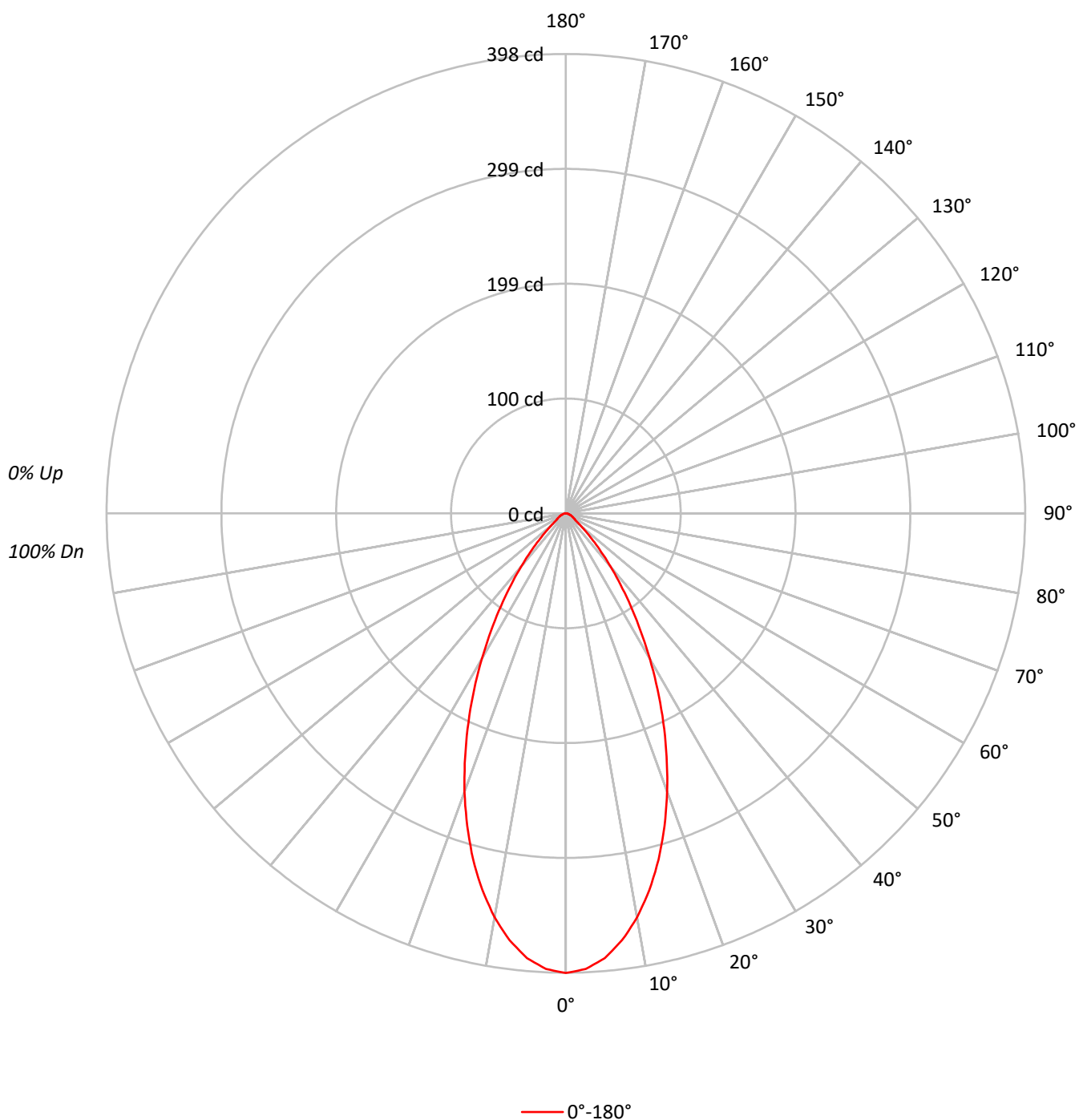
Lumens per Lamp: N/A  
Luminaire Lumens: 321.0 lumens  
Efficiency: N/A  
Efficacy: 44.6 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 |  | 100 | 98  | 97  |  | 97  |
| 2   | 107 | 102 | 97  | 94  | 105 | 100 | 96  | 93  | 97  | 93  | 91  |  | 94  | 91  | 89  |  | 91  |
| 3   | 101 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 84  | 81  |  | 85  |
| 4   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 77  | 84  | 80  | 76  |  | 82  | 78  | 75  |  | 80  |
| 5   | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 70  |  | 76  |
| 6   | 86  | 77  | 70  | 66  | 84  | 76  | 70  | 66  | 74  | 69  | 65  |  | 73  | 68  | 65  |  | 72  |
| 7   | 82  | 72  | 66  | 61  | 80  | 71  | 65  | 61  | 70  | 65  | 61  |  | 69  | 64  | 60  |  | 68  |
| 8   | 78  | 68  | 62  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  |  | 65  | 60  | 57  |  | 64  |
| 9   | 74  | 64  | 58  | 54  | 73  | 63  | 58  | 54  | 62  | 57  | 53  |  | 62  | 57  | 53  |  | 61  |
| 10  | 70  | 60  | 55  | 51  | 69  | 60  | 54  | 50  | 59  | 54  | 50  |  | 58  | 54  | 50  |  | 58  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 87318 |
| 5°  | 85142 |
| 10° | 79135 |
| 15° | 70488 |
| 20° | 59902 |
| 25° | 48342 |
| 30° | 36841 |
| 35° | 26207 |
| 40° | 17290 |
| 45° | 10265 |
| 50° | 6004  |
| 55° | 3708  |
| 60° | 3289  |
| 65° | 2958  |
| 70° | 2565  |
| 75° | 2203  |
| 80° | 2273  |
| 85° | 2264  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10265 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 35.9   | 11.2      |
| 10°-20°   | 86.1   | 26.8      |
| 20°-30°   | 91.2   | 28.4      |
| 30°-40°   | 61.6   | 19.2      |
| 40°-50°   | 27.0   | 8.4       |
| 50°-60°   | 9.6    | 3.0       |
| 60°-70°   | 5.7    | 1.8       |
| 70°-80°   | 3.0    | 0.9       |
| 80°-90°   | 1.0    | 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°    | 213.2  | 66.4      |
| 0°-40°    | 274.7  | 85.6      |
| 0°-60°    | 311.4  | 97.0      |
| 0°-90°    | 321.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 321.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 398 |      |
| 5°  | 387 | 36   |
| 15° | 310 | 86   |
| 25° | 200 | 91   |
| 35° | 98  | 62   |
| 45° | 33  | 27   |
| 55° | 10  | 10   |
| 65° | 6   | 6    |
| 75° | 3   | 3    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 398.2 |
| 2.5°  | 395.1 |
| 5°    | 386.8 |
| 7.5°  | 373.1 |
| 10°   | 355.4 |
| 12.5° | 334.3 |
| 15°   | 310.5 |
| 17.5° | 284.0 |
| 20°   | 256.7 |
| 22.5° | 228.0 |
| 25°   | 199.8 |
| 27.5° | 172.0 |
| 30°   | 145.5 |
| 32.5° | 120.4 |
| 35°   | 97.9  |
| 37.5° | 77.6  |
| 40°   | 60.4  |
| 42.5° | 45.4  |
| 45°   | 33.1  |
| 47.5° | 24.3  |
| 50°   | 17.6  |
| 52.5° | 12.3  |
| 55°   | 9.7   |
| 57.5° | 8.8   |
| 60°   | 7.5   |
| 62.5° | 6.6   |
| 65°   | 5.7   |
| 67.5° | 4.9   |
| 70°   | 4.0   |
| 72.5° | 3.5   |
| 75°   | 2.6   |
| 77.5° | 2.2   |
| 80°   | 1.8   |
| 82.5° | 1.3   |
| 85°   | 0.9   |
| 87.5° | 0.4   |
| 90°   | 0.0   |

(END OF REPORT)