

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: P1246213

Luminaire Tested: P3AS05R509024DE010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1246213  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R509024DE010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

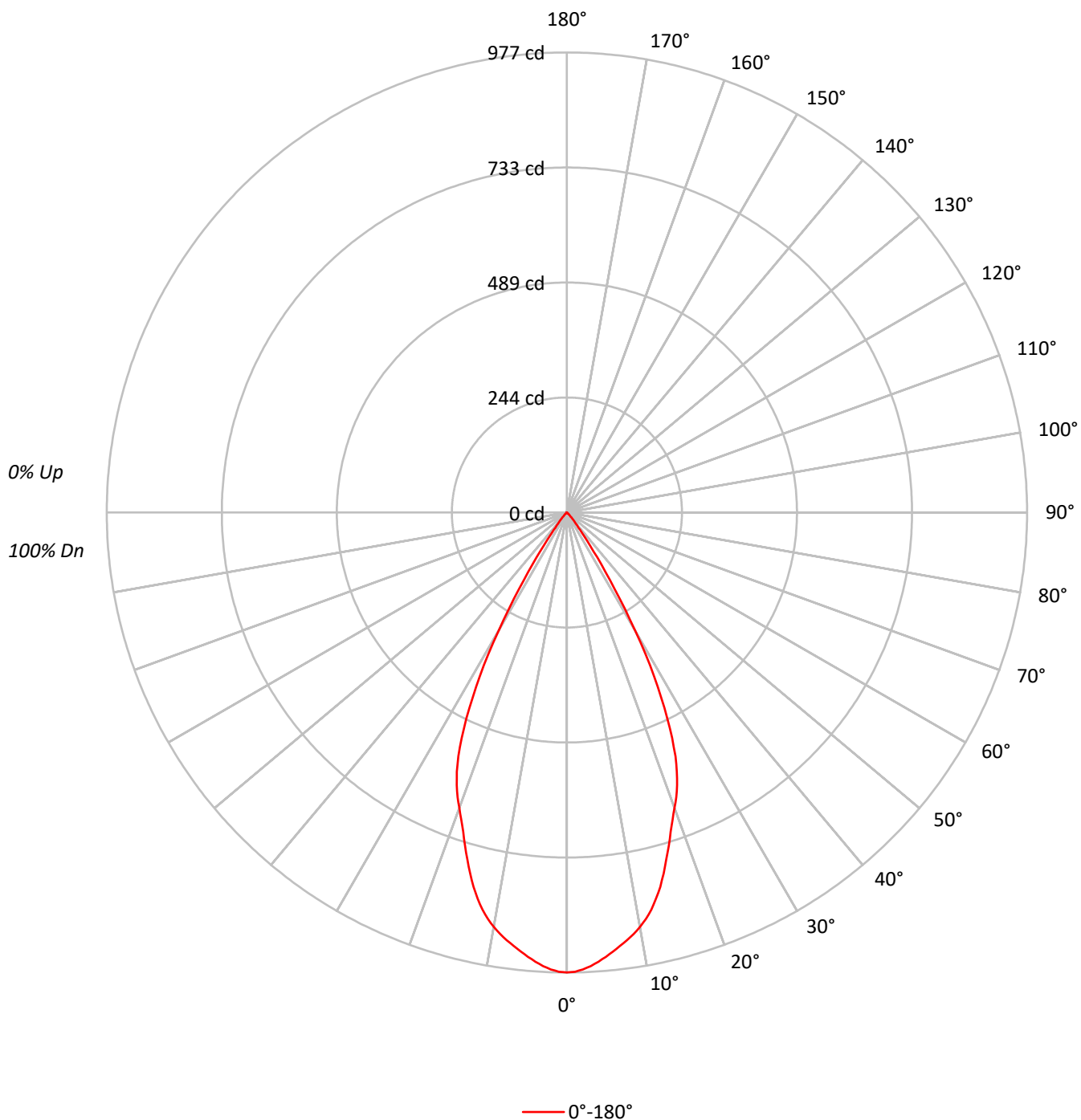
Lumens per Lamp: N/A  
Luminaire Lumens: 612.9 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 105 | 104 | 102 |  | 102 | 101 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  |
| 4   | 100 | 94  | 89  | 85  | 99  | 92  | 88  | 85  | 90  | 87  | 84  |  | 88  | 85  | 83  |  | 87  |
| 5   | 96  | 89  | 84  | 80  | 94  | 88  | 83  | 79  | 86  | 82  | 79  |  | 84  | 81  | 78  |  | 83  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 70  |  | 77  | 73  | 70  |  | 76  |
| 8   | 84  | 76  | 71  | 67  | 83  | 76  | 71  | 67  | 75  | 70  | 67  |  | 74  | 69  | 66  |  | 73  |
| 9   | 81  | 73  | 67  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 63  |  | 70  | 66  | 63  |  | 70  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 60  |  | 67  | 63  | 60  |  | 67  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 214215 |
| 5°  | 208518 |
| 10° | 198994 |
| 15° | 180137 |
| 20° | 155857 |
| 25° | 127846 |
| 30° | 73429  |
| 35° | 22807  |
| 40° | 6126   |
| 45° | 2140   |
| 50° | 512    |
| 55° | 153    |
| 60° | 88     |
| 65° | 104    |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2140 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.7   | 14.5      |
| 10°-20°   | 219.9  | 35.9      |
| 20°-30°   | 231.1  | 37.7      |
| 30°-40°   | 66.1   | 10.8      |
| 40°-50°   | 6.5    | 1.1       |
| 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°    | 539.7  | 88.0      |
| 0°-40°    | 605.8  | 98.8      |
| 0°-60°    | 612.8  | 100.0     |
| 0°-90°    | 612.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 612.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 977 |      |
| 5°  | 947 | 89   |
| 15° | 794 | 220  |
| 25° | 528 | 231  |
| 35° | 85  | 66   |
| 45° | 7   | 6    |
| 55° | 0   | 0    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 976.9 |
| 1°    | 975.4 |
| 2°    | 971.1 |
| 3°    | 964.8 |
| 4°    | 956.4 |
| 5°    | 947.3 |
| 6°    | 937.6 |
| 7°    | 927.2 |
| 8°    | 917.4 |
| 9°    | 906.2 |
| 10°   | 893.7 |
| 11°   | 879.2 |
| 12°   | 862.5 |
| 13°   | 841.7 |
| 14°   | 819.3 |
| 15°   | 793.5 |
| 16°   | 766.3 |
| 17°   | 739.9 |
| 18°   | 712.8 |
| 19°   | 689.1 |
| 20°   | 667.9 |
| 21°   | 647.5 |
| 22°   | 624.4 |
| 23°   | 597.8 |
| 24°   | 566.6 |
| 25°   | 528.4 |
| 26°   | 486.8 |
| 27°   | 440.6 |
| 28°   | 394.5 |
| 29°   | 344.7 |
| 30°   | 290.0 |
| 31°   | 238.8 |
| 32°   | 191.6 |
| 32.5° | 171.1 |
| 33°   | 150.3 |
| 34°   | 115.3 |
| 35°   | 85.2  |
| 36°   | 62.5  |
| 37°   | 46.5  |
| 37.5° | 40.2  |
| 38°   | 34.8  |
| 39°   | 27.0  |
| 40°   | 21.4  |
| 42.5° | 12.1  |
| 45°   | 6.9   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 3.9 |
| 50°   | 1.5 |
| 52.5° | 0.6 |
| 55°   | 0.4 |
| 57.5° | 0.4 |
| 60°   | 0.2 |
| 62.5° | 0.2 |
| 65°   | 0.2 |
| 67.5° | 0.2 |
| 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)