

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: P1247496

Luminaire Tested: P3AS17R709024DE010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R709024DE010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

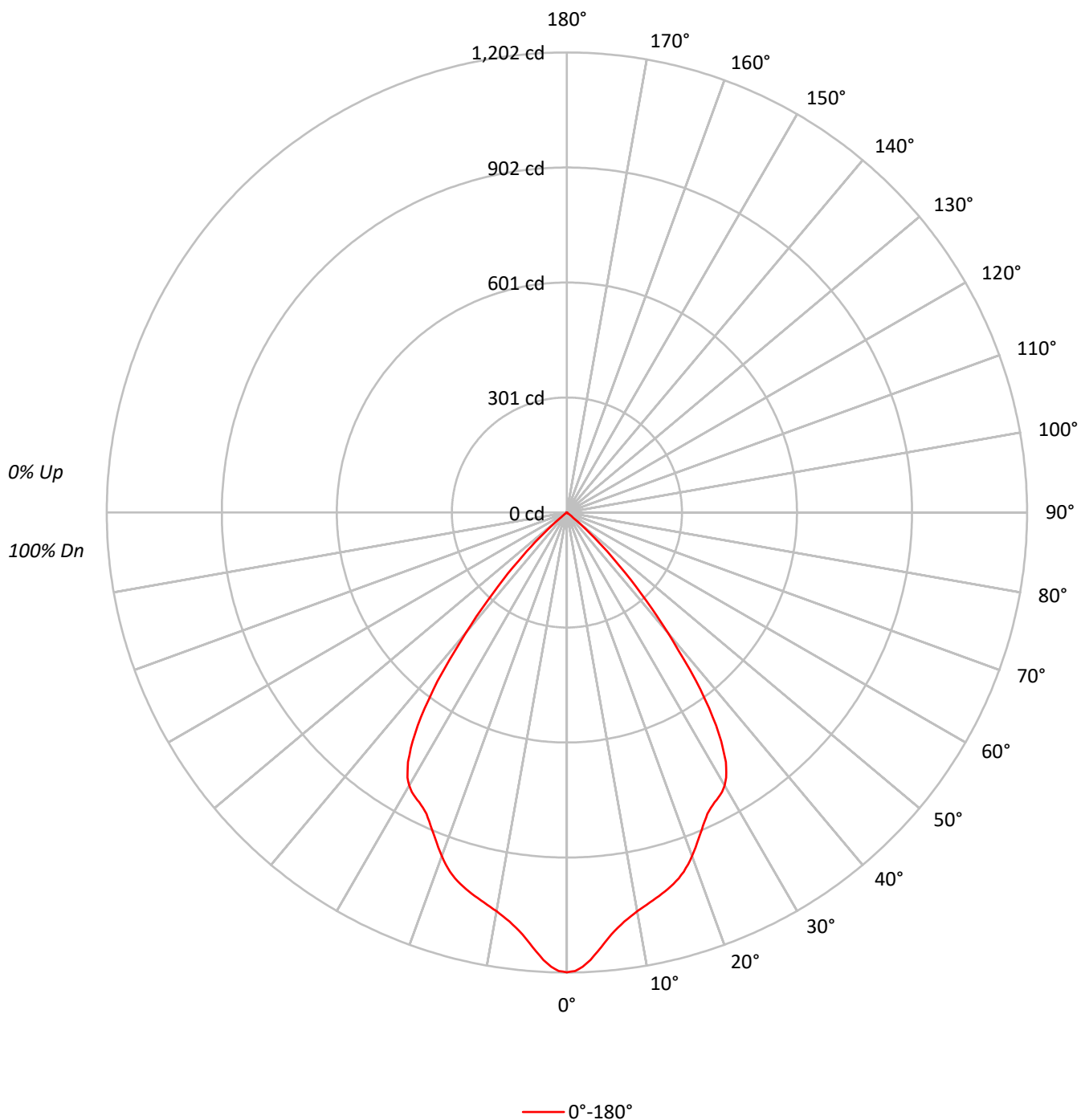
Lumens per Lamp: N/A  
Luminaire Lumens: 1355.1 lumens  
Efficiency: N/A  
Efficacy: 63.9 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 91  |
| 3   | 101 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 84  | 81  |  | 86  |
| 4   | 95  | 87  | 81  | 77  | 94  | 86  | 81  | 77  | 84  | 79  | 76  |  | 82  | 78  | 75  |  | 80  |
| 5   | 90  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 69  |  | 77  | 72  | 69  |  | 75  |
| 6   | 85  | 75  | 69  | 64  | 83  | 75  | 69  | 64  | 73  | 68  | 64  |  | 72  | 67  | 63  |  | 70  |
| 7   | 80  | 70  | 64  | 59  | 79  | 70  | 63  | 59  | 68  | 63  | 59  |  | 67  | 62  | 58  |  | 66  |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 54  |  | 63  | 58  | 54  |  | 62  |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  |  | 59  | 54  | 50  |  | 58  |
| 10  | 68  | 58  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 51  | 47  |  | 55  | 50  | 47  |  | 55  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 263466 |
| 5°  | 248426 |
| 10° | 235556 |
| 15° | 231329 |
| 20° | 222969 |
| 25° | 210181 |
| 30° | 208690 |
| 35° | 181763 |
| 40° | 117563 |
| 45° | 55572  |
| 50° | 7778   |
| 55° | 650    |
| 60° | 482    |
| 65° | 571    |
| 70° | 385    |
| 75° | 508    |
| 80° | 758    |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55572 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 105.4  | 7.8       |
| 10°-20°   | 286.2  | 21.1      |
| 20°-30°   | 404.8  | 29.9      |
| 30°-40°   | 406.8  | 30.0      |
| 40°-50°   | 146.3  | 10.8      |
| 50°-60°   | 3.9    | 0.3       |
| 60°-70°   | 0.9    | 0.1       |
| 70°-80°   | 0.6    | 0.0       |
| 80°-90°   | 0.1    | 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       |
| 0°-30°    | 796.4  | 58.8      |
| 0°-40°    | 1203.2 | 88.8      |
| 0°-60°    | 1353.5 | 99.9      |
| 0°-90°    | 1355.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1355.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1202 |      |
| 5°  | 1129 | 105  |
| 15° | 1019 | 286  |
| 25° | 869  | 405  |
| 35° | 679  | 407  |
| 45° | 179  | 146  |
| 55° | 2    | 4    |
| 65° | 1    | 1    |
| 75° | 1    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1201.5 |
| 1°    | 1198.2 |
| 2°    | 1187.6 |
| 3°    | 1170.9 |
| 4°    | 1149.8 |
| 5°    | 1128.6 |
| 6°    | 1108.6 |
| 7°    | 1093.0 |
| 8°    | 1079.1 |
| 9°    | 1068.0 |
| 10°   | 1057.9 |
| 11°   | 1049.6 |
| 12°   | 1041.8 |
| 13°   | 1034.0 |
| 14°   | 1026.8 |
| 15°   | 1019.0 |
| 16°   | 1009.5 |
| 17°   | 999.5  |
| 18°   | 987.3  |
| 19°   | 972.2  |
| 20°   | 955.5  |
| 21°   | 937.2  |
| 22°   | 918.8  |
| 23°   | 901.0  |
| 24°   | 883.8  |
| 25°   | 868.7  |
| 26°   | 858.2  |
| 27°   | 849.8  |
| 28°   | 843.1  |
| 29°   | 835.3  |
| 30°   | 824.2  |
| 31°   | 808.1  |
| 32°   | 785.2  |
| 32.5° | 772.4  |
| 33°   | 755.2  |
| 34°   | 721.2  |
| 35°   | 679.0  |
| 36°   | 632.2  |
| 37°   | 579.3  |
| 37.5° | 554.8  |
| 38°   | 521.5  |
| 39°   | 461.9  |
| 40°   | 410.7  |
| 42.5° | 284.4  |
| 45°   | 179.2  |

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**CANDELA DISTRIBUTION (continued):**

|       | 0°   |
|-------|------|
| 47.5° | 96.3 |
| 50°   | 22.8 |
| 52.5° | 2.8  |
| 55°   | 1.7  |
| 57.5° | 1.7  |
| 60°   | 1.1  |
| 62.5° | 1.1  |
| 65°   | 1.1  |
| 67.5° | 0.6  |
| 70°   | 0.6  |
| 72.5° | 0.6  |
| 75°   | 0.6  |
| 77.5° | 0.6  |
| 80°   | 0.6  |
| 82.5° | 0.0  |
| 85°   | 0.0  |
| 87.5° | 0.0  |
| 90°   | 0.0  |

(END OF REPORT)