

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: P1249854

Luminaire Tested: P3AS17R709027DE010 E3D1H

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1249854  
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: P3AS17R709027DE010 E3D1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

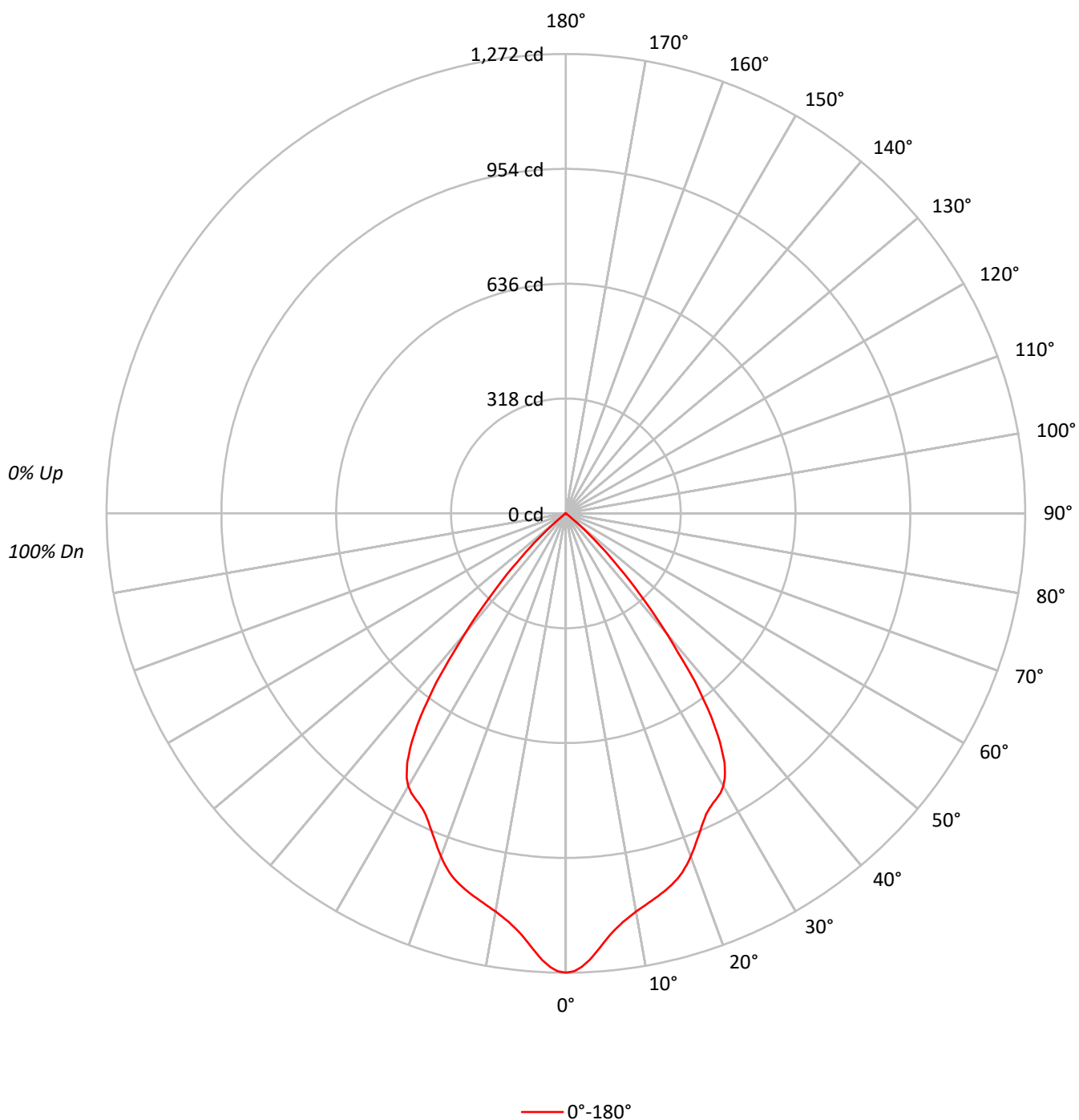
Lumens per Lamp: N/A  
Luminaire Lumens: 1434.0 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 95  | 93  |    |    |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85  |    |    |
| 3   | 101 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  | 88  | 84  | 81  | 86  | 83  | 80  | 79  |    |    |
| 4   | 95  | 87  | 81  | 77  | 94  | 86  | 81  | 77  | 84  | 79  | 76  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |    |    |
| 5   | 90  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 69  | 77  | 72  | 69  | 75  | 71  | 68  | 66  |    |    |
| 6   | 85  | 75  | 69  | 64  | 83  | 75  | 69  | 64  | 73  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 63  | 61  |    |    |
| 7   | 80  | 70  | 64  | 59  | 79  | 70  | 63  | 59  | 68  | 63  | 59  | 67  | 62  | 58  | 66  | 61  | 58  | 57  |    |    |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 52  |    |    |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 50  | 49  |    |    |
| 10  | 68  | 58  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 47  | 55  | 50  | 47  | 45  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 278837 |
| 5°  | 262909 |
| 10° | 249294 |
| 15° | 244814 |
| 20° | 235991 |
| 25° | 222448 |
| 30° | 220869 |
| 35° | 192337 |
| 40° | 124433 |
| 45° | 58797  |
| 50° | 8221   |
| 55° | 688    |
| 60° | 526    |
| 65° | 623    |
| 70° | 385    |
| 75° | 508    |
| 80° | 758    |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58797 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 111.5  | 7.8       |
| 10°-20°   | 302.8  | 21.1      |
| 20°-30°   | 428.4  | 29.9      |
| 30°-40°   | 430.5  | 30.0      |
| 40°-50°   | 154.8  | 10.8      |
| 50°-60°   | 4.2    | 0.3       |
| 60°-70°   | 1.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 842.8  | 58.8      |
| 0°-40°    | 1273.4 | 88.8      |
| 0°-60°    | 1432.4 | 99.9      |
| 0°-90°    | 1434.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1434.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1272 |      |
| 5°  | 1194 | 112  |
| 15° | 1078 | 303  |
| 25° | 919  | 428  |
| 35° | 718  | 431  |
| 45° | 190  | 155  |
| 55° | 2    | 4    |
| 65° | 1    | 1    |
| 75° | 1    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1271.6 |
| 1°    | 1268.0 |
| 2°    | 1256.8 |
| 3°    | 1239.2 |
| 4°    | 1216.8 |
| 5°    | 1194.4 |
| 6°    | 1173.2 |
| 7°    | 1156.7 |
| 8°    | 1142.0 |
| 9°    | 1130.2 |
| 10°   | 1119.6 |
| 11°   | 1110.8 |
| 12°   | 1102.5 |
| 13°   | 1094.3 |
| 14°   | 1086.6 |
| 15°   | 1078.4 |
| 16°   | 1068.4 |
| 17°   | 1057.8 |
| 18°   | 1044.8 |
| 19°   | 1028.9 |
| 20°   | 1011.3 |
| 21°   | 991.8  |
| 22°   | 972.4  |
| 23°   | 953.5  |
| 24°   | 935.3  |
| 25°   | 919.4  |
| 26°   | 908.2  |
| 27°   | 899.3  |
| 28°   | 892.3  |
| 29°   | 884.0  |
| 30°   | 872.3  |
| 31°   | 855.2  |
| 32°   | 831.0  |
| 32.5° | 817.5  |
| 33°   | 799.2  |
| 34°   | 763.3  |
| 35°   | 718.5  |
| 36°   | 669.1  |
| 37°   | 613.1  |
| 37.5° | 587.2  |
| 38°   | 551.9  |
| 39°   | 488.8  |
| 40°   | 434.7  |
| 42.5° | 301.0  |
| 45°   | 189.6  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°    |
|-------|-------|
| 47.5° | 101.9 |
| 50°   | 24.1  |
| 52.5° | 2.9   |
| 55°   | 1.8   |
| 57.5° | 1.8   |
| 60°   | 1.2   |
| 62.5° | 1.2   |
| 65°   | 1.2   |
| 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)