

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: P1277003

Luminaire Tested: P3AS20R709835D010 E3D1H

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1277003  
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: P3AS20R709835D010 E3D1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

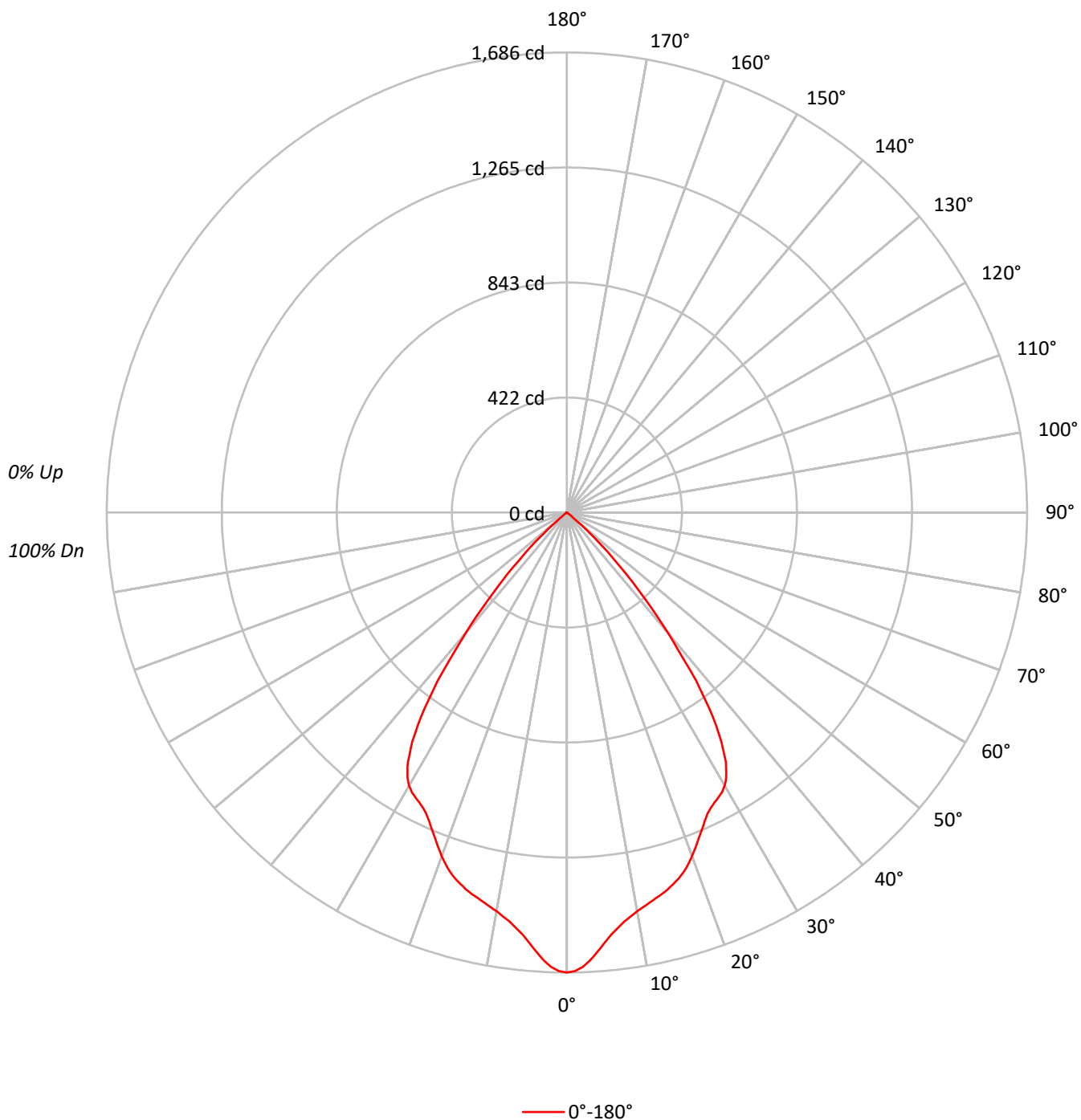
Lumens per Lamp: N/A  
Luminaire Lumens: 1901.0 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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°  | 369641 |
| 5°  | 348535 |
| 10° | 330477 |
| 15° | 324542 |
| 20° | 312834 |
| 25° | 294888 |
| 30° | 292779 |
| 35° | 254977 |
| 40° | 164938 |
| 45° | 77962  |
| 50° | 10916  |
| 55° | 879    |
| 60° | 702    |
| 65° | 830    |
| 70° | 513    |
| 75° | 678    |
| 80° | 1010   |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77962 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 147.9  | 7.8       |
| 10°-20°   | 401.5  | 21.1      |
| 20°-30°   | 567.9  | 29.9      |
| 30°-40°   | 570.8  | 30.0      |
| 40°-50°   | 205.3  | 10.8      |
| 50°-60°   | 5.5    | 0.3       |
| 60°-70°   | 1.3    | 0.1       |
| 70°-80°   | 0.8    | 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°    | 1117.3 | 58.8      |
| 0°-40°    | 1688.0 | 88.8      |
| 0°-60°    | 1898.8 | 99.9      |
| 0°-90°    | 1901.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1901.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1686 |      |
| 5°  | 1583 | 148  |
| 15° | 1430 | 401  |
| 25° | 1219 | 568  |
| 35° | 952  | 571  |
| 45° | 251  | 205  |
| 55° | 2    | 6    |
| 65° | 2    | 1    |
| 75° | 1    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1685.7 |
| 1°    | 1681.0 |
| 2°    | 1666.2 |
| 3°    | 1642.7 |
| 4°    | 1613.1 |
| 5°    | 1583.4 |
| 6°    | 1555.3 |
| 7°    | 1533.4 |
| 8°    | 1513.9 |
| 9°    | 1498.3 |
| 10°   | 1484.2 |
| 11°   | 1472.5 |
| 12°   | 1461.6 |
| 13°   | 1450.7 |
| 14°   | 1440.5 |
| 15°   | 1429.6 |
| 16°   | 1416.3 |
| 17°   | 1402.3 |
| 18°   | 1385.1 |
| 19°   | 1364.0 |
| 20°   | 1340.6 |
| 21°   | 1314.8 |
| 22°   | 1289.0 |
| 23°   | 1264.1 |
| 24°   | 1239.9 |
| 25°   | 1218.8 |
| 26°   | 1203.9 |
| 27°   | 1192.2 |
| 28°   | 1182.9 |
| 29°   | 1171.9 |
| 30°   | 1156.3 |
| 31°   | 1133.7 |
| 32°   | 1101.7 |
| 32.5° | 1083.7 |
| 33°   | 1059.5 |
| 34°   | 1011.9 |
| 35°   | 952.5  |
| 36°   | 887.0  |
| 37°   | 812.8  |
| 37.5° | 778.4  |
| 38°   | 731.6  |
| 39°   | 648.0  |
| 40°   | 576.2  |
| 42.5° | 399.0  |
| 45°   | 251.4  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°    |
|-------|-------|
| 47.5° | 135.1 |
| 50°   | 32.0  |
| 52.5° | 3.9   |
| 55°   | 2.3   |
| 57.5° | 2.3   |
| 60°   | 1.6   |
| 62.5° | 1.6   |
| 65°   | 1.6   |
| 67.5° | 0.8   |
| 70°   | 0.8   |
| 72.5° | 0.8   |
| 75°   | 0.8   |
| 77.5° | 0.8   |
| 80°   | 0.8   |
| 82.5° | 0.0   |
| 85°   | 0.0   |
| 87.5° | 0.0   |
| 90°   | 0.0   |

(END OF REPORT)