

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: P1268277

Luminaire Tested: P3AS20R509735D010 E3DL1H

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1268277  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R509735D010 E3DL1H  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3DL1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

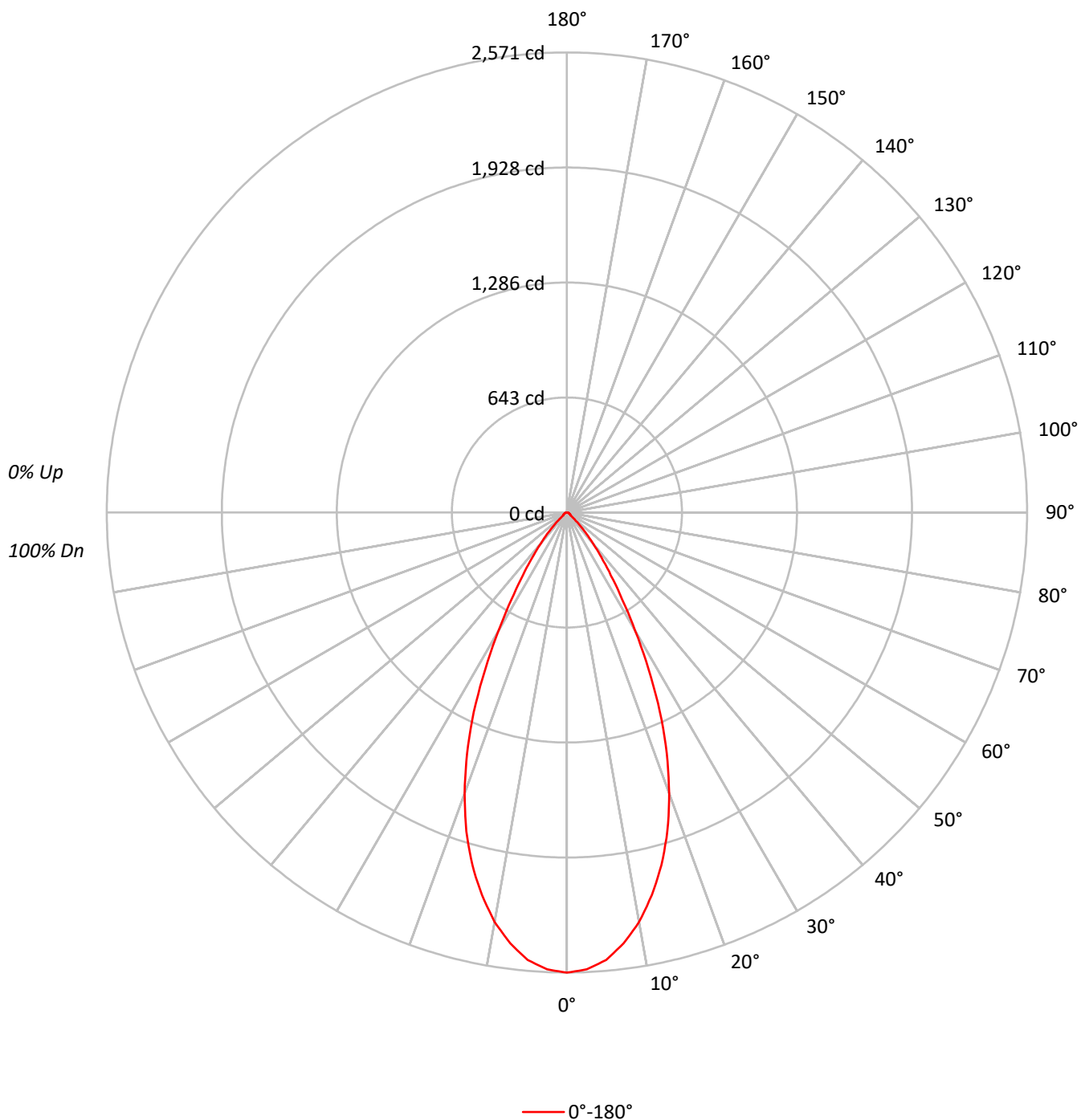
Lumens per Lamp: N/A  
Luminaire Lumens: 1771.0 lumens  
Efficiency: N/A  
Efficacy: 61.5 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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  |     |     |     |  | 30  |     |     |  |     | 10  |     |  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  |  | 70  | 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 |
| 1   | 114 | 111 | 108 | 106 |  | 111 | 109 | 106 | 104 |  | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  | 96  | 95  |
| 2   | 108 | 103 | 99  | 96  |  | 106 | 102 | 98  | 95  |  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  | 91  | 89  |
| 3   | 103 | 97  | 92  | 88  |  | 101 | 95  | 91  | 87  |  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 88  | 85  | 83  |
| 4   | 98  | 91  | 85  | 81  |  | 96  | 90  | 85  | 81  |  | 87  | 83  | 80  |  | 85  | 82  | 79  |  | 84  | 80  | 78  |
| 5   | 93  | 85  | 80  | 75  |  | 92  | 84  | 79  | 75  |  | 83  | 78  | 74  |  | 81  | 77  | 74  |  | 79  | 76  | 73  |
| 6   | 89  | 80  | 75  | 71  |  | 88  | 80  | 74  | 70  |  | 78  | 73  | 70  |  | 77  | 73  | 69  |  | 75  | 72  | 69  |
| 7   | 85  | 76  | 70  | 66  |  | 84  | 75  | 70  | 66  |  | 74  | 69  | 66  |  | 73  | 69  | 65  |  | 72  | 68  | 65  |
| 8   | 81  | 72  | 66  | 62  |  | 80  | 71  | 66  | 62  |  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  | 64  | 61  |
| 9   | 78  | 68  | 63  | 59  |  | 76  | 68  | 62  | 59  |  | 67  | 62  | 59  |  | 66  | 62  | 58  |  | 65  | 61  | 58  |
| 10  | 74  | 65  | 59  | 56  |  | 73  | 65  | 59  | 56  |  | 64  | 59  | 55  |  | 63  | 58  | 55  |  | 62  | 58  | 55  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 563858 |
| 5°  | 552497 |
| 10° | 517514 |
| 15° | 463272 |
| 20° | 389864 |
| 25° | 297549 |
| 30° | 193372 |
| 35° | 114653 |
| 40° | 66267  |
| 45° | 33213  |
| 50° | 12349  |
| 55° | 9634   |
| 60° | 8991   |
| 65° | 8146   |
| 70° | 8078   |
| 75° | 7964   |
| 80° | 7956   |
| 85° | 7799   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33213 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 233.5  | 13.2      |
| 10°-20°   | 564.3  | 31.9      |
| 20°-30°   | 553.7  | 31.3      |
| 30°-40°   | 278.9  | 15.7      |
| 40°-50°   | 88.1   | 5.0       |
| 50°-60°   | 22.8   | 1.3       |
| 60°-70°   | 16.2   | 0.9       |
| 70°-80°   | 10.0   | 0.6       |
| 80°-90°   | 3.4    | 0.2       |
| 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°    | 1351.5 | 76.3      |
| 0°-40°    | 1630.5 | 92.1      |
| 0°-60°    | 1741.4 | 98.3      |
| 0°-90°    | 1771.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1771.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2571 |      |
| 5°  | 2510 | 234  |
| 15° | 2041 | 564  |
| 25° | 1230 | 554  |
| 35° | 428  | 279  |
| 45° | 107  | 88   |
| 55° | 25   | 23   |
| 65° | 16   | 16   |
| 75° | 9    | 10   |
| 85° | 3    | 3    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 2571.4 |
| 2.5°  | 2555.6 |
| 5°    | 2510.0 |
| 7.5°  | 2428.1 |
| 10°   | 2324.2 |
| 12.5° | 2190.3 |
| 15°   | 2040.7 |
| 17.5° | 1867.5 |
| 20°   | 1670.7 |
| 22.5° | 1458.1 |
| 25°   | 1229.8 |
| 27.5° | 987.3  |
| 30°   | 763.7  |
| 32.5° | 574.7  |
| 35°   | 428.3  |
| 37.5° | 316.5  |
| 40°   | 231.5  |
| 42.5° | 163.8  |
| 45°   | 107.1  |
| 47.5° | 61.4   |
| 50°   | 36.2   |
| 52.5° | 26.8   |
| 55°   | 25.2   |
| 57.5° | 22.0   |
| 60°   | 20.5   |
| 62.5° | 18.9   |
| 65°   | 15.7   |
| 67.5° | 14.2   |
| 70°   | 12.6   |
| 72.5° | 11.0   |
| 75°   | 9.4    |
| 77.5° | 7.9    |
| 80°   | 6.3    |
| 82.5° | 4.7    |
| 85°   | 3.1    |
| 87.5° | 1.6    |
| 90°   | 0.0    |

(END OF REPORT)