

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: P1274821

Luminaire Tested: P3AS20R509830D010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1274821  
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: P3AS20R509830D010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

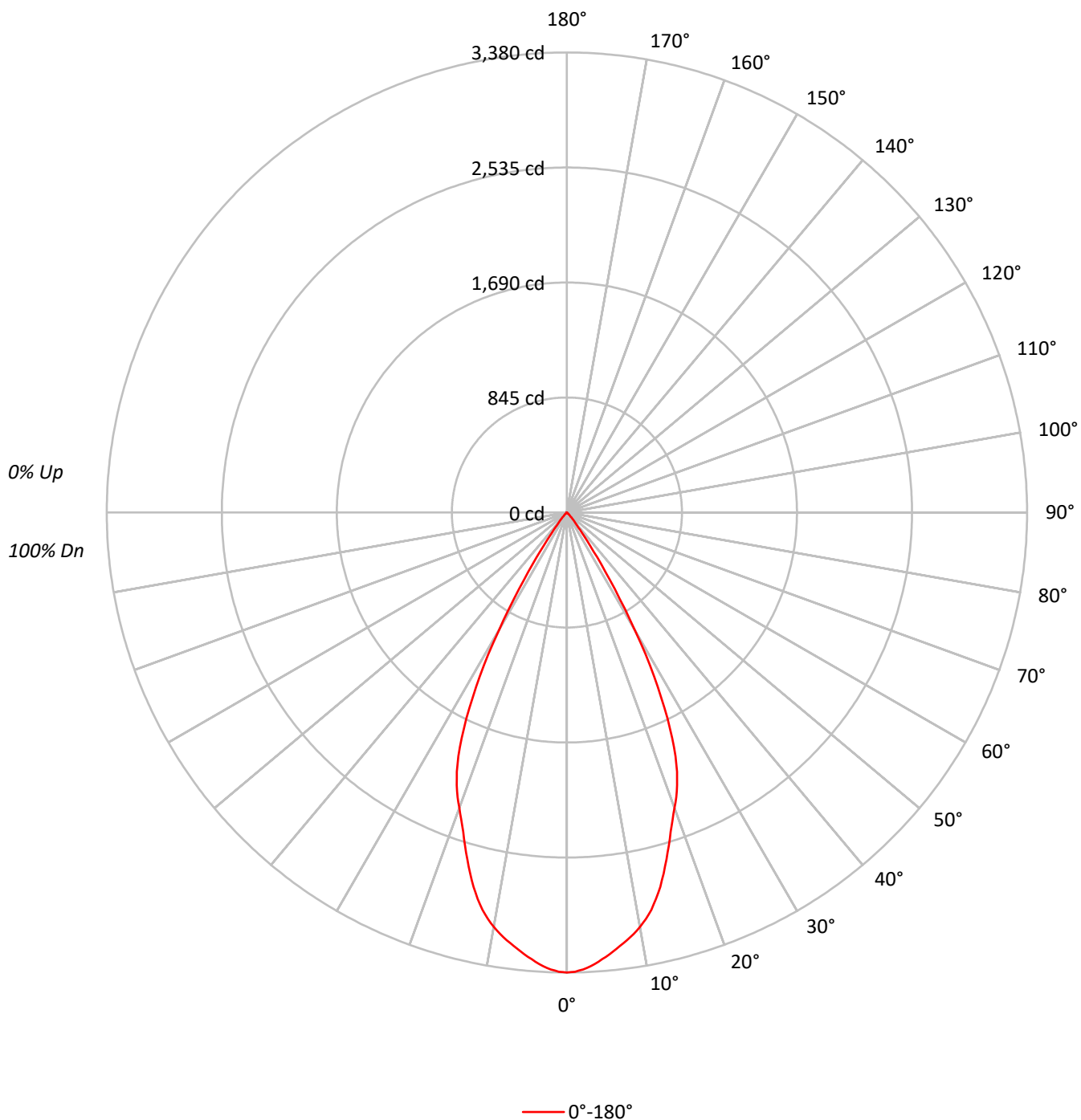
Lumens per Lamp: N/A  
Luminaire Lumens: 2120.9 lumens  
Efficiency: N/A  
Efficacy: 77.4 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  | 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   | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 105 | 104 | 102 | 102 | 101 | 99  | 98  | 97  | 97  | 95  |    |    |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 90  |    |    |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 88  | 86  | 85  |    |    |
| 4   | 100 | 94  | 89  | 85  | 99  | 92  | 88  | 85  | 90  | 87  | 84  | 88  | 85  | 83  | 87  | 84  | 82  | 80  |    |    |
| 5   | 96  | 89  | 84  | 80  | 94  | 88  | 83  | 79  | 86  | 82  | 79  | 84  | 81  | 78  | 83  | 80  | 77  | 76  |    |    |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 72  |    |    |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 70  | 77  | 73  | 70  | 76  | 72  | 70  | 68  |    |    |
| 8   | 84  | 76  | 71  | 67  | 83  | 76  | 71  | 67  | 75  | 70  | 67  | 74  | 69  | 66  | 73  | 69  | 66  | 65  |    |    |
| 9   | 81  | 73  | 67  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 70  | 66  | 63  | 62  |    |    |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 60  | 67  | 63  | 60  | 67  | 63  | 60  | 59  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 741213 |
| 5°  | 721460 |
| 10° | 688498 |
| 15° | 623295 |
| 20° | 539234 |
| 25° | 442308 |
| 30° | 254090 |
| 35° | 78916  |
| 40° | 21211  |
| 45° | 7412   |
| 50° | 1774   |
| 55° | 573    |
| 60° | 307    |
| 65° | 363    |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 7412 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 307.0  | 14.5      |
| 10°-20°   | 760.7  | 35.9      |
| 20°-30°   | 799.6  | 37.7      |
| 30°-40°   | 228.8  | 10.8      |
| 40°-50°   | 22.4   | 1.1       |
| 50°-60°   | 1.8    | 0.1       |
| 60°-70°   | 0.6    | 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°    | 1867.3 | 88.0      |
| 0°-40°    | 2096.2 | 98.8      |
| 0°-60°    | 2120.3 | 100.0     |
| 0°-90°    | 2120.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2120.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3380 |      |
| 5°  | 3278 | 307  |
| 15° | 2746 | 761  |
| 25° | 1828 | 800  |
| 35° | 295  | 229  |
| 45° | 24   | 22   |
| 55° | 2    | 2    |
| 65° | 1    | 1    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3380.2 |
| 1°    | 3374.9 |
| 2°    | 3360.0 |
| 3°    | 3338.3 |
| 4°    | 3309.1 |
| 5°    | 3277.6 |
| 6°    | 3244.0 |
| 7°    | 3208.1 |
| 8°    | 3174.4 |
| 9°    | 3135.5 |
| 10°   | 3092.1 |
| 11°   | 3041.9 |
| 12°   | 2984.3 |
| 13°   | 2912.5 |
| 14°   | 2834.6 |
| 15°   | 2745.6 |
| 16°   | 2651.3 |
| 17°   | 2560.0 |
| 18°   | 2466.5 |
| 19°   | 2384.2 |
| 20°   | 2310.8 |
| 21°   | 2240.5 |
| 22°   | 2160.4 |
| 23°   | 2068.4 |
| 24°   | 1960.6 |
| 25°   | 1828.1 |
| 26°   | 1684.5 |
| 27°   | 1524.3 |
| 28°   | 1364.9 |
| 29°   | 1192.8 |
| 30°   | 1003.5 |
| 31°   | 826.1  |
| 32°   | 663.0  |
| 32.5° | 591.9  |
| 33°   | 520.1  |
| 34°   | 398.9  |
| 35°   | 294.8  |
| 36°   | 216.3  |
| 37°   | 160.9  |
| 37.5° | 139.2  |
| 38°   | 120.5  |
| 39°   | 93.5   |
| 40°   | 74.1   |
| 42.5° | 41.9   |
| 45°   | 23.9   |

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CANDELA DISTRIBUTION (continued):

|       | 0°   |
|-------|------|
| 47.5° | 13.5 |
| 50°   | 5.2  |
| 52.5° | 2.2  |
| 55°   | 1.5  |
| 57.5° | 1.5  |
| 60°   | 0.7  |
| 62.5° | 0.7  |
| 65°   | 0.7  |
| 67.5° | 0.7  |
| 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)