

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: P1291709

Luminaire Tested: P3A09R15W2N902765DE010 E3D1H\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1291709  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R15W2N902765DE010 E3D1H\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

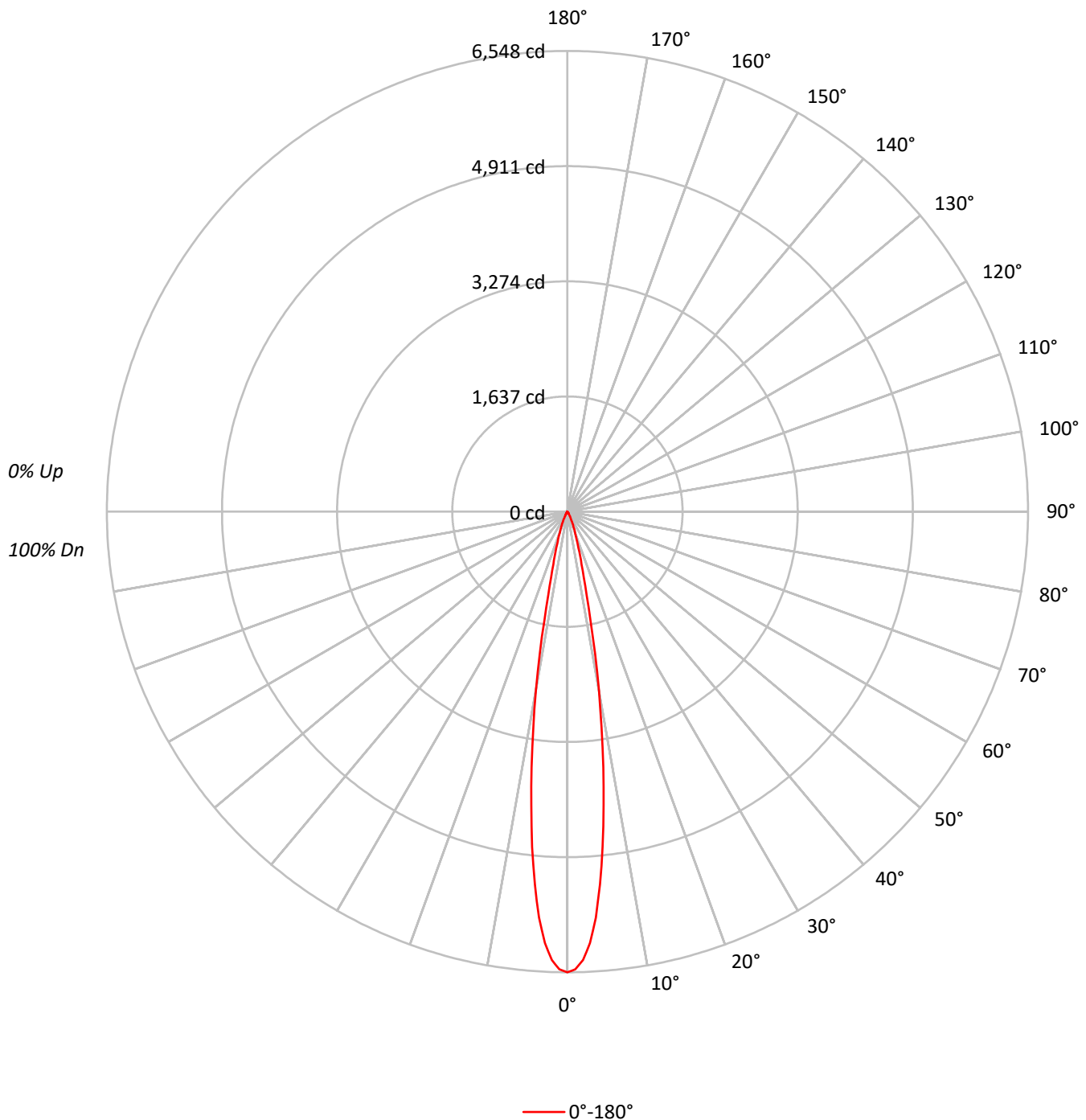
Lumens per Lamp: N/A  
Luminaire Lumens: 754.0 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 9  
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  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     |     | 0   |     |     |     | 0   |     |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 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 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 99  | 98  | 97  | 96  | 95  | 94  | 93  | 92  | 91  | 90  | 89  | 88  |
| 2   | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 | 102 | 100 | 99  | 99  | 98  | 97  | 96  | 95  | 94  | 93  | 92  | 91  | 90  | 89  | 88  | 87  | 86  | 85  |
| 3   | 110 | 106 | 102 | 100 | 108 | 104 | 102 | 99  | 102 | 100 | 98  | 100 | 98  | 96  | 98  | 96  | 95  | 94  | 93  | 92  | 91  | 90  | 89  | 88  | 87  | 86  | 85  | 84  | 83  |
| 4   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 96  | 99  | 97  | 95  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 91  | 90  | 89  | 88  | 87  | 86  | 85  | 84  | 83  | 82  | 81  |
| 5   | 105 | 100 | 96  | 94  | 103 | 99  | 96  | 93  | 97  | 94  | 92  | 96  | 93  | 92  | 94  | 93  | 91  | 90  | 89  | 88  | 87  | 86  | 85  | 84  | 83  | 82  | 81  | 80  | 79  |
| 6   | 102 | 97  | 94  | 91  | 101 | 96  | 93  | 91  | 95  | 92  | 90  | 94  | 92  | 90  | 93  | 91  | 89  | 88  | 87  | 86  | 85  | 84  | 83  | 82  | 81  | 80  | 79  | 78  | 77  |
| 7   | 100 | 95  | 91  | 89  | 99  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 90  | 88  | 91  | 89  | 88  | 87  | 86  | 85  | 84  | 83  | 82  | 81  | 80  | 79  | 78  | 77  | 76  |
| 8   | 98  | 93  | 89  | 87  | 97  | 92  | 89  | 87  | 91  | 89  | 87  | 91  | 88  | 86  | 90  | 88  | 86  | 85  | 84  | 83  | 82  | 81  | 80  | 79  | 78  | 77  | 76  | 75  | 74  |
| 9   | 96  | 91  | 88  | 85  | 96  | 91  | 87  | 85  | 90  | 87  | 85  | 89  | 87  | 85  | 88  | 86  | 85  | 84  | 83  | 82  | 81  | 80  | 79  | 78  | 77  | 76  | 75  | 74  | 73  |
| 10  | 95  | 89  | 86  | 84  | 94  | 89  | 86  | 84  | 88  | 85  | 83  | 88  | 85  | 83  | 87  | 85  | 83  | 82  | 81  | 80  | 79  | 78  | 77  | 76  | 75  | 74  | 73  | 72  | 71  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1435806 |
| 5°  | 1170809 |
| 10° | 573403  |
| 15° | 175506  |
| 20° | 74323   |
| 25° | 33631   |
| 30° | 13091   |
| 35° | 6050    |
| 40° | 1889    |
| 45° | 713     |
| 50° | 307     |
| 55° | 115     |
| 60° | 132     |
| 65° | 156     |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 713 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 414.0  | 54.9      |
| 10°-20°   | 254.1  | 33.7      |
| 20°-30°   | 68.2   | 9.0       |
| 30°-40°   | 15.0   | 2.0       |
| 40°-50°   | 2.1    | 0.3       |
| 50°-60°   | 0.4    | 0.1       |
| 60°-70°   | 0.2    | 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°    | 736.3  | 97.6      |
| 0°-40°    | 751.3  | 99.6      |
| 0°-60°    | 753.8  | 100.0     |
| 0°-90°    | 754.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 754.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 6548 |      |
| 5°  | 5319 | 414  |
| 15° | 773  | 254  |
| 25° | 139  | 68   |
| 35° | 23   | 15   |
| 45° | 2    | 2    |
| 55° | 0    | 0    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 6547.8 |
| 1°    | 6506.9 |
| 2°    | 6375.7 |
| 3°    | 6139.3 |
| 4°    | 5783.3 |
| 5°    | 5319.0 |
| 6°    | 4793.8 |
| 7°    | 4208.8 |
| 8°    | 3671.3 |
| 9°    | 3101.5 |
| 10°   | 2575.2 |
| 11°   | 2054.2 |
| 12°   | 1580.5 |
| 13°   | 1215.7 |
| 14°   | 962.4  |
| 15°   | 773.1  |
| 17.5° | 479.2  |
| 20°   | 318.5  |
| 22.5° | 214.4  |
| 25°   | 139.0  |
| 27.5° | 82.3   |
| 30°   | 51.7   |
| 32.5° | 34.9   |
| 35°   | 22.6   |
| 37.5° | 12.6   |
| 40°   | 6.6    |
| 42.5° | 3.7    |
| 45°   | 2.3    |
| 47.5° | 1.4    |
| 50°   | 0.9    |
| 52.5° | 0.6    |
| 55°   | 0.3    |
| 57.5° | 0.3    |
| 60°   | 0.3    |
| 62.5° | 0.3    |
| 65°   | 0.3    |
| 67.5° | 0.0    |
| 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    |



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**CANDELA DISTRIBUTION (continued):**



(END OF REPORT)