

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: P1283902

Luminaire Tested: P3AS09R60B2750DE010 E3D1WMH\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1283902  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R60B2750DE010 E3D1WMH\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

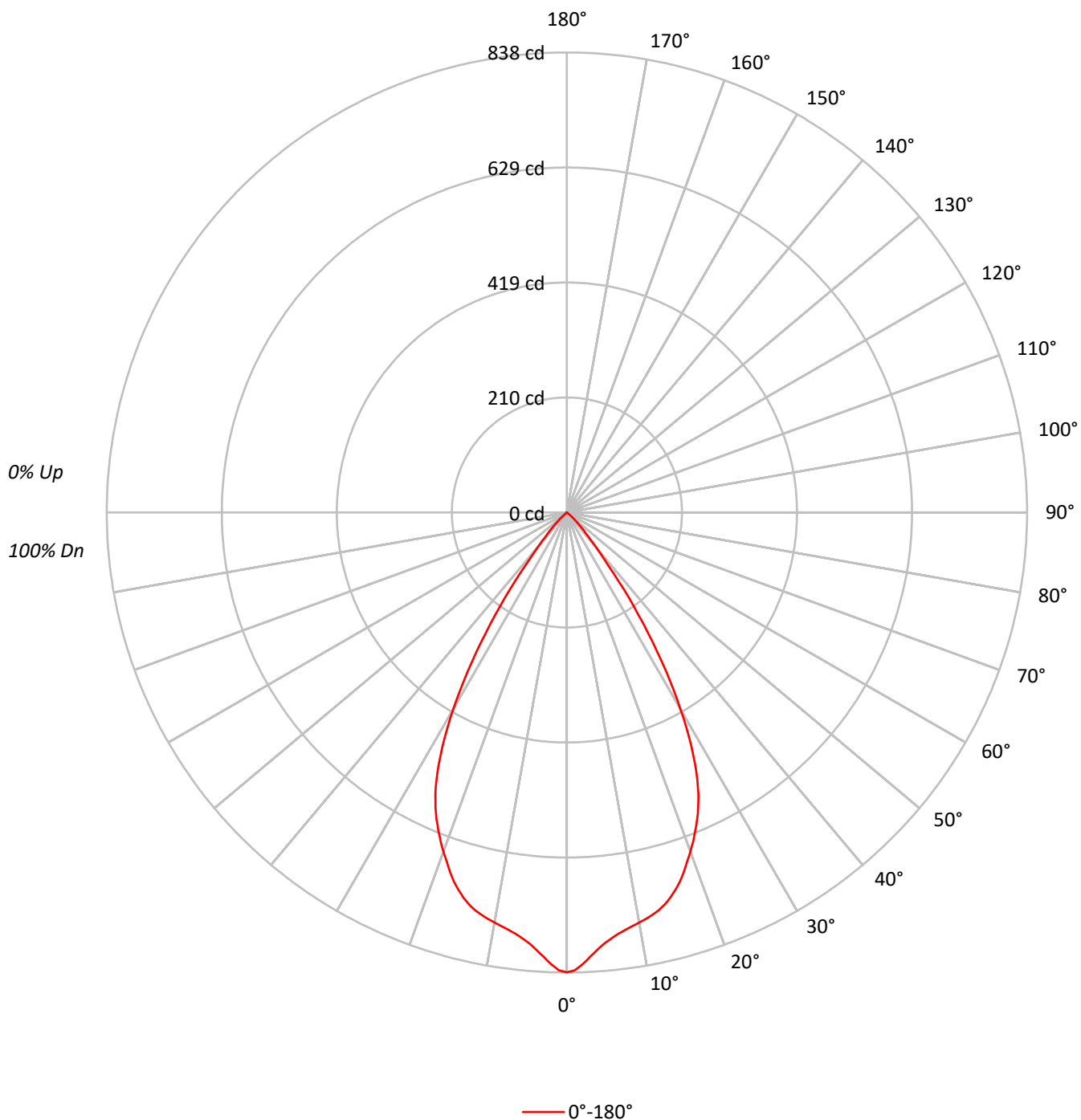
Lumens per Lamp: N/A  
Luminaire Lumens: 701.0 lumens  
Efficiency: N/A  
Efficacy: 53.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.88  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.1  
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 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 106 |  | 111 | 109 | 107 | 105 |  | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  | 97  | 96  | 94  |
| 2   | 108 | 104 | 100 | 96  |  | 106 | 102 | 98  | 95  |  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  | 91  | 89  | 88  |
| 3   | 103 | 97  | 92  | 88  |  | 101 | 96  | 91  | 88  |  | 93  | 89  | 86  |  | 91  | 87  | 85  |  | 88  | 86  | 84  | 82  |
| 4   | 98  | 91  | 85  | 81  |  | 96  | 90  | 85  | 81  |  | 88  | 83  | 80  |  | 86  | 82  | 79  |  | 84  | 81  | 78  | 77  |
| 5   | 93  | 85  | 80  | 75  |  | 92  | 84  | 79  | 75  |  | 83  | 78  | 74  |  | 81  | 77  | 74  |  | 79  | 76  | 73  | 72  |
| 6   | 89  | 80  | 74  | 70  |  | 87  | 79  | 74  | 70  |  | 78  | 73  | 70  |  | 77  | 72  | 69  |  | 75  | 71  | 69  | 67  |
| 7   | 85  | 76  | 70  | 66  |  | 83  | 75  | 69  | 65  |  | 74  | 69  | 65  |  | 72  | 68  | 65  |  | 71  | 67  | 64  | 63  |
| 8   | 81  | 71  | 65  | 61  |  | 79  | 71  | 65  | 61  |  | 70  | 65  | 61  |  | 69  | 64  | 61  |  | 68  | 64  | 61  | 59  |
| 9   | 77  | 67  | 62  | 58  |  | 76  | 67  | 61  | 58  |  | 66  | 61  | 57  |  | 65  | 61  | 57  |  | 64  | 60  | 57  | 56  |
| 10  | 73  | 64  | 58  | 54  |  | 72  | 63  | 58  | 54  |  | 63  | 58  | 54  |  | 62  | 57  | 54  |  | 61  | 57  | 54  | 53  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 183669 |
| 5°  | 173387 |
| 10° | 168890 |
| 15° | 165018 |
| 20° | 153430 |
| 25° | 137161 |
| 30° | 104776 |
| 35° | 60498  |
| 40° | 23473  |
| 45° | 9768   |
| 50° | 2149   |
| 55° | 344    |
| 60° | 263    |
| 65° | 156    |
| 70° | 192    |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 9768 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.4   | 10.6      |
| 10°-20°   | 202.5  | 28.9      |
| 20°-30°   | 253.6  | 36.2      |
| 30°-40°   | 141.8  | 20.2      |
| 40°-50°   | 26.9   | 3.8       |
| 50°-60°   | 1.4    | 0.2       |
| 60°-70°   | 0.3    | 0.0       |
| 70°-80°   | 0.1    | 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°    | 530.5  | 75.7      |
| 0°-40°    | 672.2  | 95.9      |
| 0°-60°    | 700.6  | 99.9      |
| 0°-90°    | 701.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 701.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 838 |      |
| 5°  | 788 | 74   |
| 15° | 727 | 202  |
| 25° | 567 | 254  |
| 35° | 226 | 142  |
| 45° | 32  | 27   |
| 55° | 1   | 1    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 837.6 |
| 1°    | 834.2 |
| 2°    | 823.3 |
| 3°    | 810.4 |
| 4°    | 798.3 |
| 5°    | 787.7 |
| 6°    | 779.7 |
| 7°    | 772.8 |
| 8°    | 767.6 |
| 9°    | 762.8 |
| 10°   | 758.5 |
| 11°   | 754.2 |
| 12°   | 749.3 |
| 13°   | 743.3 |
| 14°   | 736.1 |
| 15°   | 726.9 |
| 16°   | 715.7 |
| 17°   | 703.1 |
| 18°   | 688.8 |
| 19°   | 672.4 |
| 20°   | 657.5 |
| 21°   | 641.5 |
| 22°   | 624.8 |
| 23°   | 607.3 |
| 24°   | 588.1 |
| 25°   | 566.9 |
| 26°   | 542.0 |
| 27°   | 514.2 |
| 28°   | 482.9 |
| 29°   | 449.6 |
| 30°   | 413.8 |
| 31°   | 377.7 |
| 32°   | 340.4 |
| 32.5° | 320.0 |
| 33°   | 301.7 |
| 34°   | 263.5 |
| 35°   | 226.0 |
| 36°   | 192.1 |
| 37°   | 156.3 |
| 37.5° | 139.9 |
| 38°   | 123.9 |
| 39°   | 99.8  |
| 40°   | 82.0  |
| 42.5° | 49.9  |
| 45°   | 31.5  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°   |
|-------|------|
| 47.5° | 17.5 |
| 50°   | 6.3  |
| 52.5° | 1.4  |
| 55°   | 0.9  |
| 57.5° | 0.6  |
| 60°   | 0.6  |
| 62.5° | 0.3  |
| 65°   | 0.3  |
| 67.5° | 0.3  |
| 70°   | 0.3  |
| 72.5° | 0.3  |
| 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)