

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: P1283810

Luminaire Tested: P3AS09R55B2750DE010 E3DLD1MW\_4000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1283810  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R55B2750DE010 E3DLD1MW\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 80CRI , E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

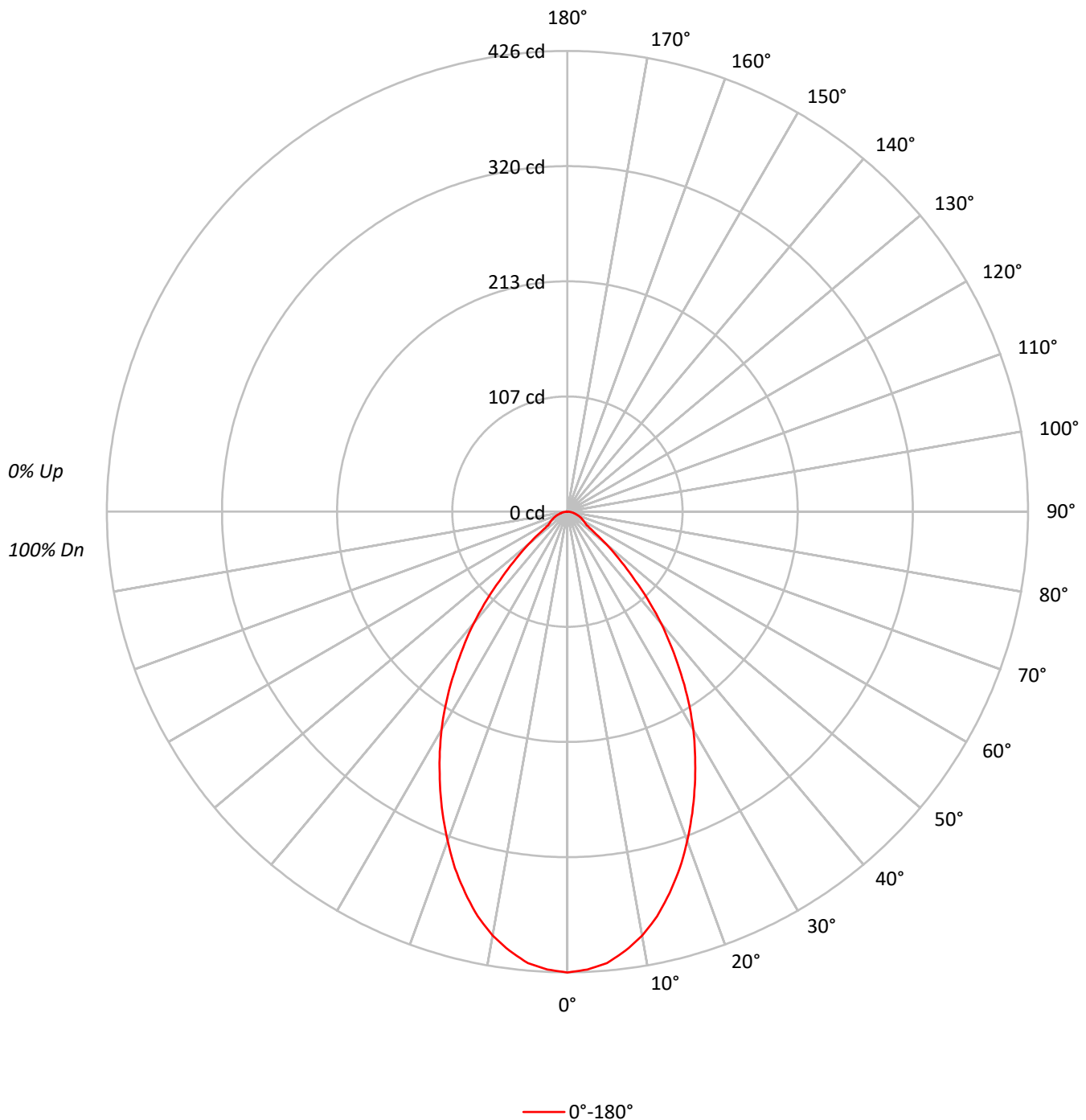
Lumens per Lamp: N/A  
Luminaire Lumens: 497.0 lumens  
Efficiency: N/A  
Efficacy: 37.9 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1283810

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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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  |  | 99  | 97  | 95  |  | 95  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  |  | 91  | 88  | 86  |  | 89  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  |  | 85  | 81  | 77  |  | 82  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 76  |
| 5   | 87  | 77  | 71  | 66  | 85  | 76  | 70  | 65  | 75  | 69  | 65  |  | 73  | 68  | 64  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 60  | 69  | 64  | 59  |  | 68  | 63  | 59  |  | 66  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  |  | 63  | 58  | 54  |  | 62  |
| 8   | 73  | 62  | 55  | 51  | 72  | 62  | 55  | 51  | 60  | 55  | 50  |  | 59  | 54  | 50  |  | 58  |
| 9   | 69  | 58  | 51  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  |  | 56  | 50  | 46  |  | 55  |
| 10  | 65  | 55  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  |  | 52  | 47  | 43  |  | 52  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 93457 |
| 5°  | 92252 |
| 10° | 88620 |
| 15° | 82884 |
| 20° | 75607 |
| 25° | 67456 |
| 30° | 58996 |
| 35° | 49014 |
| 40° | 38644 |
| 45° | 26204 |
| 50° | 16034 |
| 55° | 8296  |
| 60° | 7719  |
| 65° | 7316  |
| 70° | 6796  |
| 75° | 5931  |
| 80° | 5935  |
| 85° | 4529  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26204 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.3   | 7.9       |
| 10°-20°   | 102.0  | 20.5      |
| 20°-30°   | 127.8  | 25.7      |
| 30°-40°   | 114.1  | 23.0      |
| 40°-50°   | 66.8   | 13.4      |
| 50°-60°   | 23.1   | 4.6       |
| 60°-70°   | 13.9   | 2.8       |
| 70°-80°   | 7.7    | 1.6       |
| 80°-90°   | 2.2    | 0.5       |
| 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°    | 269.1  | 54.2      |
| 0°-40°    | 383.2  | 77.1      |
| 0°-60°    | 473.1  | 95.2      |
| 0°-90°    | 497.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 497.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 426 |      |
| 5°  | 419 | 39   |
| 15° | 365 | 102  |
| 25° | 279 | 128  |
| 35° | 183 | 114  |
| 45° | 84  | 67   |
| 55° | 22  | 23   |
| 65° | 14  | 14   |
| 75° | 7   | 8    |
| 85° | 2   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 426.2 |
| 2.5°  | 423.8 |
| 5°    | 419.1 |
| 7.5°  | 409.7 |
| 10°   | 398.0 |
| 12.5° | 383.3 |
| 15°   | 365.1 |
| 17.5° | 345.7 |
| 20°   | 324.0 |
| 22.5° | 301.7 |
| 25°   | 278.8 |
| 27.5° | 255.9 |
| 30°   | 233.0 |
| 32.5° | 208.4 |
| 35°   | 183.1 |
| 37.5° | 158.5 |
| 40°   | 135.0 |
| 42.5° | 109.8 |
| 45°   | 84.5  |
| 47.5° | 64.6  |
| 50°   | 47.0  |
| 52.5° | 30.5  |
| 55°   | 21.7  |
| 57.5° | 19.4  |
| 60°   | 17.6  |
| 62.5° | 15.8  |
| 65°   | 14.1  |
| 67.5° | 12.3  |
| 70°   | 10.6  |
| 72.5° | 8.8   |
| 75°   | 7.0   |
| 77.5° | 5.9   |
| 80°   | 4.7   |
| 82.5° | 2.9   |
| 85°   | 1.8   |
| 87.5° | 1.2   |
| 90°   | 0.0   |

(END OF REPORT)