

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: P1282616

Luminaire Tested: P3AS09R15B2750DE010 E3DL1MW\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1282616  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R15B2750DE010 E3DL1MW\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

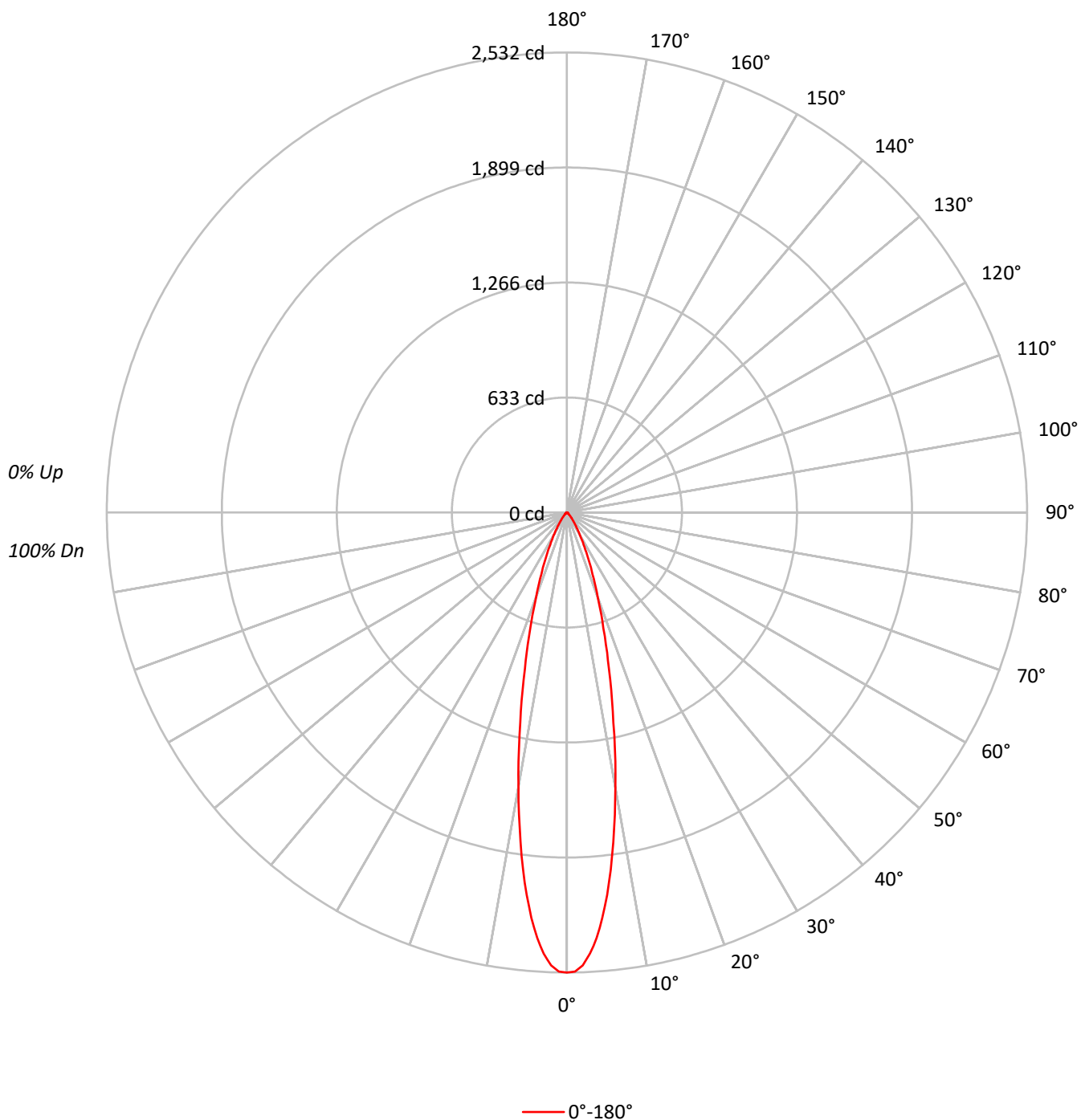
Lumens per Lamp: N/A  
Luminaire Lumens: 650.0 lumens  
Efficiency: N/A  
Efficacy: 49.6 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 0   |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |  |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 95  |  |  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 97  | 98  | 96  | 95  | 96  | 94  | 93  | 91  |  |  |
| 3   | 106 | 101 | 97  | 93  | 104 | 99  | 96  | 93  | 97  | 94  | 91  | 94  | 92  | 90  | 92  | 90  | 88  | 87  |  |  |
| 4   | 102 | 96  | 92  | 88  | 100 | 95  | 91  | 88  | 93  | 89  | 87  | 91  | 88  | 86  | 89  | 87  | 85  | 83  |  |  |
| 5   | 98  | 92  | 87  | 84  | 97  | 91  | 87  | 83  | 89  | 85  | 83  | 88  | 84  | 82  | 86  | 83  | 81  | 80  |  |  |
| 6   | 95  | 88  | 83  | 80  | 94  | 87  | 83  | 80  | 86  | 82  | 79  | 85  | 81  | 79  | 83  | 80  | 78  | 77  |  |  |
| 7   | 92  | 85  | 80  | 77  | 91  | 84  | 80  | 76  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 75  | 74  |  |  |
| 8   | 89  | 81  | 77  | 74  | 88  | 81  | 77  | 73  | 80  | 76  | 73  | 79  | 75  | 73  | 78  | 75  | 73  | 72  |  |  |
| 9   | 86  | 79  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 69  |  |  |
| 10  | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  | 74  | 71  | 68  | 74  | 70  | 68  | 67  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 555263 |
| 5°  | 492889 |
| 10° | 342300 |
| 15° | 202430 |
| 20° | 115277 |
| 25° | 65907  |
| 30° | 36461  |
| 35° | 19434  |
| 40° | 10763  |
| 45° | 5830   |
| 50° | 3616   |
| 55° | 2867   |
| 60° | 2456   |
| 65° | 2283   |
| 70° | 1988   |
| 75° | 2118   |
| 80° | 1642   |
| 85° | 1510   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 5830 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 190.4  | 29.3      |
| 10°-20°   | 251.3  | 38.7      |
| 20°-30°   | 129.4  | 19.9      |
| 30°-40°   | 48.6   | 7.5       |
| 40°-50°   | 15.9   | 2.4       |
| 50°-60°   | 6.8    | 1.1       |
| 60°-70°   | 4.3    | 0.7       |
| 70°-80°   | 2.6    | 0.4       |
| 80°-90°   | 0.7    | 0.1       |
| 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°    | 571.1  | 87.9      |
| 0°-40°    | 619.7  | 95.3      |
| 0°-60°    | 642.4  | 98.8      |
| 0°-90°    | 650.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 650.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2532 |      |
| 5°  | 2239 | 190  |
| 15° | 892  | 251  |
| 25° | 272  | 129  |
| 35° | 73   | 49   |
| 45° | 19   | 16   |
| 55° | 8    | 7    |
| 65° | 4    | 4    |
| 75° | 2    | 3    |
| 85° | 1    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2532.2 |
| 1°    | 2527.2 |
| 2°    | 2494.0 |
| 3°    | 2430.8 |
| 4°    | 2347.5 |
| 5°    | 2239.2 |
| 6°    | 2116.5 |
| 7°    | 1981.8 |
| 8°    | 1832.2 |
| 9°    | 1684.4 |
| 10°   | 1537.3 |
| 12.5° | 1182.8 |
| 15°   | 891.7  |
| 17.5° | 667.5  |
| 20°   | 494.0  |
| 22.5° | 368.8  |
| 25°   | 272.4  |
| 27.5° | 198.5  |
| 30°   | 144.0  |
| 32.5° | 102.1  |
| 35°   | 72.6   |
| 37.5° | 52.0   |
| 40°   | 37.6   |
| 42.5° | 26.9   |
| 45°   | 18.8   |
| 47.5° | 13.8   |
| 50°   | 10.6   |
| 52.5° | 8.8    |
| 55°   | 7.5    |
| 57.5° | 6.3    |
| 60°   | 5.6    |
| 62.5° | 5.0    |
| 65°   | 4.4    |
| 67.5° | 3.8    |
| 70°   | 3.1    |
| 72.5° | 3.1    |
| 75°   | 2.5    |
| 77.5° | 1.9    |
| 80°   | 1.3    |
| 82.5° | 1.3    |
| 85°   | 0.6    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)