

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: P1305021

Luminaire Tested: P3DUS09R70B2750DE010 E3CBUS1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305021  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-95)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3DUS09R70B2750DE010 E3CBUS1MW\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 80CRI , E3CBUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

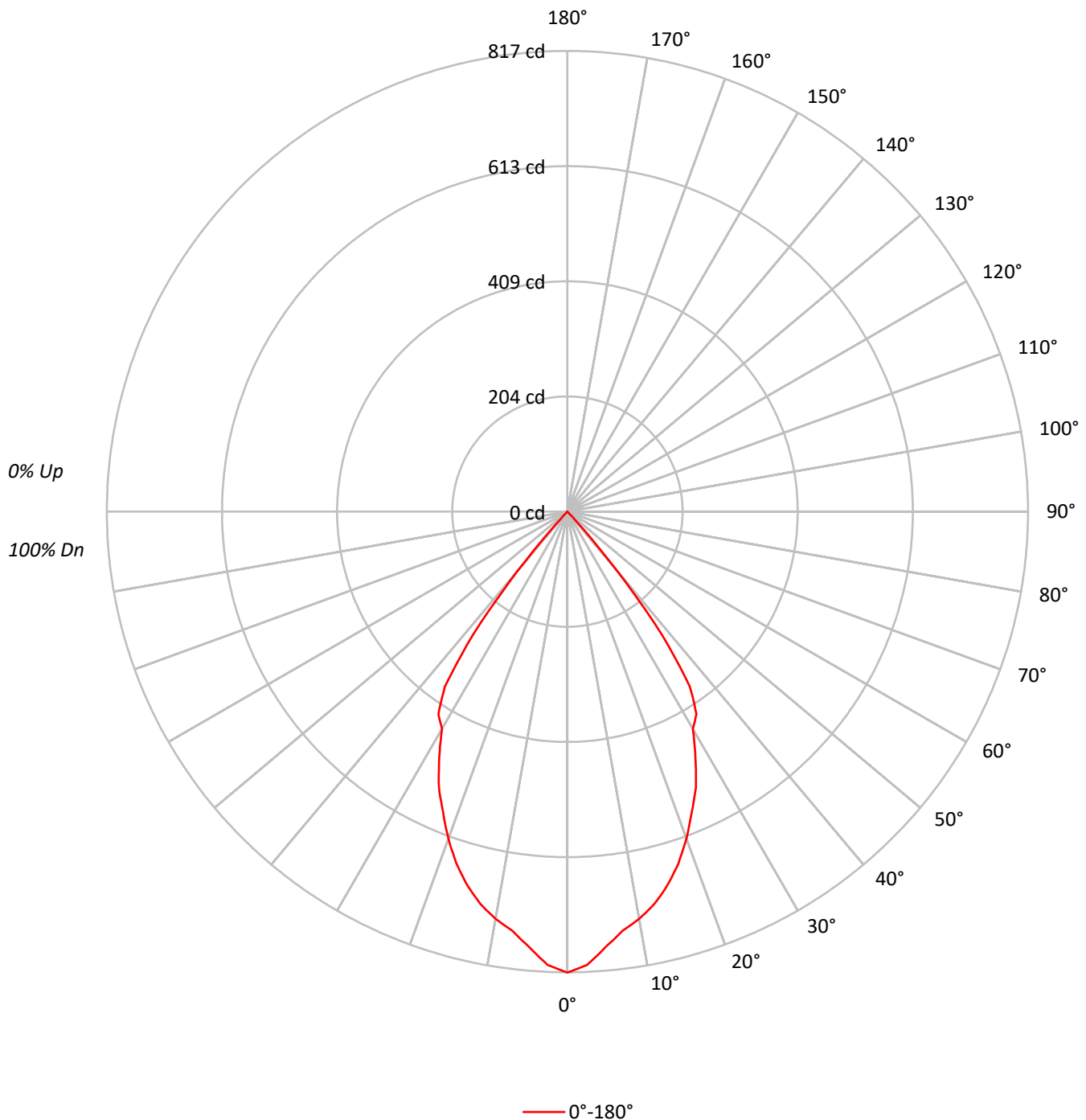
Lumens per Lamp: N/A  
Luminaire Lumens: 737.0 lumens  
Efficiency: N/A  
Efficacy: 56.3 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.99  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 |  | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 114 | 111 | 108 | 106 |  | 111 | 109 | 107 | 105 |  | 105 | 103 | 101 |  | 101 | 100 | 98  |  | 98  | 96  | 95  |
| 2   | 108 | 103 | 99  | 96  |  | 106 | 102 | 98  | 95  |  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  | 91  | 89  |
| 3   | 103 | 96  | 91  | 88  |  | 101 | 95  | 90  | 87  |  | 92  | 89  | 85  |  | 90  | 87  | 84  |  | 88  | 85  | 83  |
| 4   | 98  | 90  | 85  | 80  |  | 96  | 89  | 84  | 80  |  | 87  | 82  | 79  |  | 85  | 81  | 78  |  | 83  | 80  | 77  |
| 5   | 93  | 84  | 79  | 74  |  | 91  | 83  | 78  | 74  |  | 82  | 77  | 73  |  | 80  | 76  | 73  |  | 78  | 75  | 72  |
| 6   | 88  | 79  | 73  | 69  |  | 86  | 78  | 73  | 69  |  | 77  | 72  | 68  |  | 75  | 71  | 68  |  | 74  | 70  | 67  |
| 7   | 83  | 74  | 68  | 64  |  | 82  | 74  | 68  | 64  |  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  | 66  | 63  |
| 8   | 79  | 70  | 64  | 60  |  | 78  | 69  | 64  | 60  |  | 68  | 63  | 59  |  | 67  | 62  | 59  |  | 66  | 62  | 59  |
| 9   | 75  | 66  | 60  | 56  |  | 74  | 65  | 60  | 56  |  | 64  | 59  | 56  |  | 63  | 59  | 55  |  | 63  | 58  | 55  |
| 10  | 72  | 62  | 56  | 52  |  | 71  | 62  | 56  | 52  |  | 61  | 56  | 52  |  | 60  | 55  | 52  |  | 59  | 55  | 52  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 179240 |
| 5°  | 170658 |
| 10° | 163257 |
| 15° | 155733 |
| 20° | 144026 |
| 25° | 130508 |
| 30° | 112676 |
| 35° | 101375 |
| 40° | 39417  |
| 45° | 0      |
| 50° | 0      |
| 55° | 0      |
| 60° | 0      |
| 65° | 0      |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

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

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 72.7   | 9.9       |
| 10°-20°   | 191.7  | 26.0      |
| 20°-30°   | 245.2  | 33.3      |
| 30°-40°   | 211.7  | 28.7      |
| 40°-50°   | 15.8   | 2.1       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 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°    | 509.6  | 69.1      |
| 0°-40°    | 721.2  | 97.9      |
| 0°-60°    | 737.0  | 100.0     |
| 0°-90°    | 737.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 737.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 817 |      |
| 5°  | 775 | 73   |
| 15° | 686 | 192  |
| 25° | 539 | 245  |
| 35° | 379 | 212  |
| 45° | 0   | 16   |
| 55° | 0   | 0    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 817.4 |
| 2.5°  | 804.6 |
| 5°    | 775.3 |
| 7.5°  | 749.8 |
| 10°   | 733.2 |
| 12.5° | 712.8 |
| 15°   | 686.0 |
| 17.5° | 654.2 |
| 20°   | 617.2 |
| 22.5° | 576.4 |
| 25°   | 539.4 |
| 27.5° | 492.2 |
| 30°   | 445.0 |
| 32.5° | 425.9 |
| 35°   | 378.7 |
| 37.5° | 275.4 |
| 40°   | 137.7 |
| 42.5° | 17.9  |
| 45°   | 0.0   |
| 47.5° | 0.0   |
| 50°   | 0.0   |
| 52.5° | 0.0   |
| 55°   | 0.0   |
| 57.5° | 0.0   |
| 60°   | 0.0   |
| 62.5° | 0.0   |
| 65°   | 0.0   |
| 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   |
| 90°   | 0.0   |

(END OF REPORT)