

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: P1304885

Luminaire Tested: P3RT02R55B2750DE010 E3CBUS1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1304885  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-92)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT02R55B2750DE010 E3CBUS1MW\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 80CRI , E3CBUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

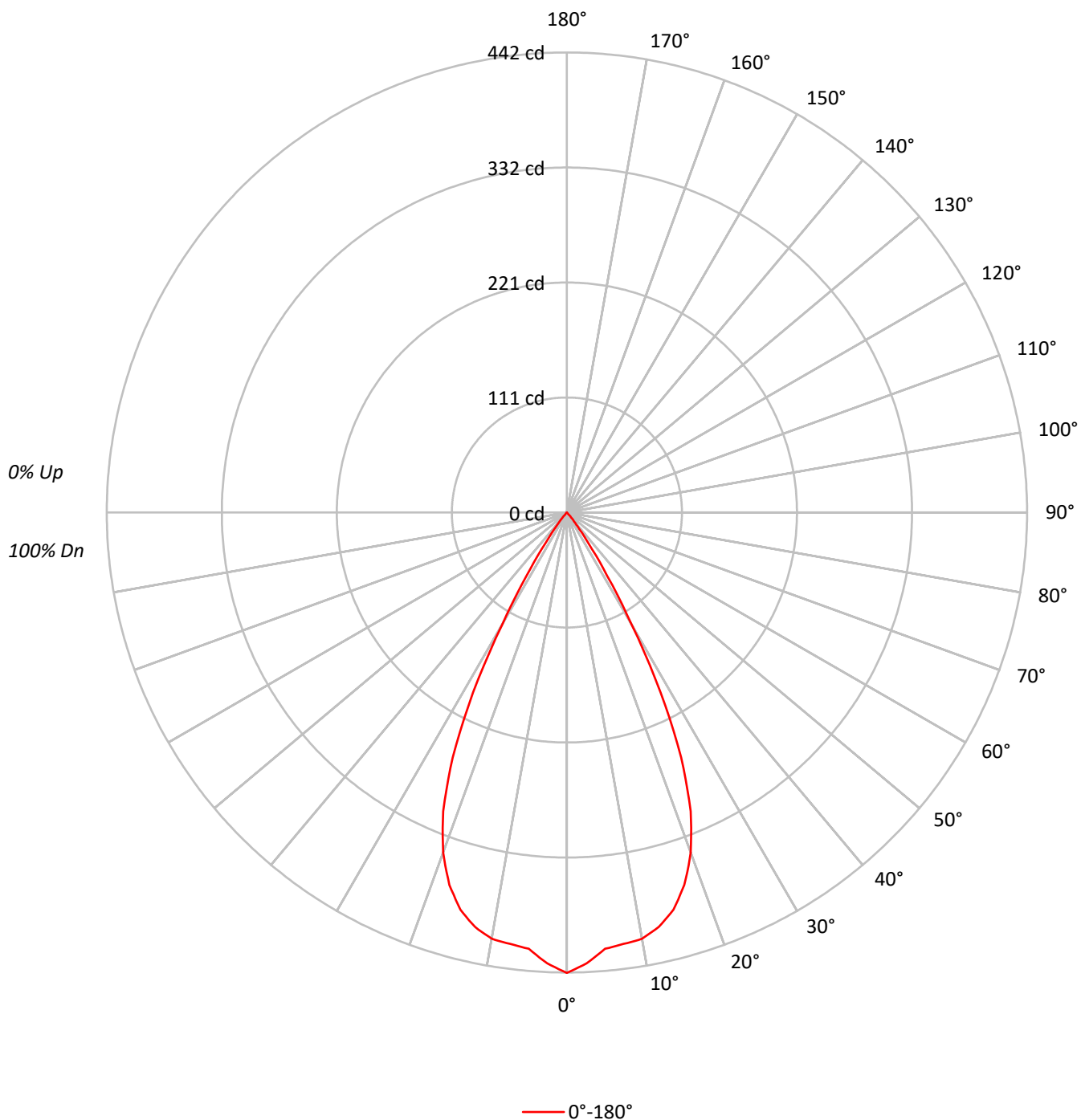
Lumens per Lamp: N/A  
Luminaire Lumens: 292.0 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 2.9  
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  |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |     |     | 0   |
| 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 |  | 98  | 98  | 97  | 95  |
| 2   | 109 | 105 | 102 | 99  | 107 | 103 | 100 | 97  | 100 | 98  | 95  |  | 97  | 95  | 93  |  | 95  | 93  | 91  | 90  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 91  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  | 88  | 87  | 85  |
| 4   | 100 | 94  | 89  | 85  | 99  | 93  | 88  | 85  | 91  | 87  | 84  |  | 89  | 86  | 83  |  | 87  | 84  | 82  | 81  |
| 5   | 96  | 89  | 84  | 80  | 95  | 88  | 83  | 80  | 86  | 82  | 79  |  | 85  | 81  | 78  |  | 83  | 80  | 78  | 76  |
| 6   | 92  | 84  | 79  | 76  | 91  | 84  | 79  | 75  | 82  | 78  | 75  |  | 81  | 77  | 74  |  | 80  | 76  | 74  | 73  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  | 73  | 70  | 69  |
| 8   | 85  | 76  | 71  | 68  | 84  | 76  | 71  | 67  | 75  | 70  | 67  |  | 74  | 70  | 67  |  | 73  | 69  | 67  | 65  |
| 9   | 81  | 73  | 68  | 64  | 80  | 72  | 67  | 64  | 72  | 67  | 64  |  | 71  | 67  | 64  |  | 70  | 66  | 64  | 62  |
| 10  | 78  | 70  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 68  | 64  | 61  |  | 67  | 63  | 61  | 59  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 97010 |
| 5°  | 92626 |
| 10° | 92606 |
| 15° | 89694 |
| 20° | 81160 |
| 25° | 62834 |
| 30° | 31473 |
| 35° | 9476  |
| 40° | 2032  |
| 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°    | 40.2   | 13.8      |
| 10°-20°   | 109.6  | 37.5      |
| 20°-30°   | 112.8  | 38.6      |
| 30°-40°   | 28.4   | 9.7       |
| 40°-50°   | 1.0    | 0.3       |
| 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°    | 262.6  | 89.9      |
| 0°-40°    | 291.0  | 99.7      |
| 0°-60°    | 292.0  | 100.0     |
| 0°-90°    | 292.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 292.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 442 |      |
| 5°  | 421 | 40   |
| 15° | 395 | 110  |
| 25° | 260 | 113  |
| 35° | 35  | 28   |
| 45° | 0   | 1    |
| 55° | 0   | 0    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 442.4 |
| 2.5°  | 433.6 |
| 5°    | 420.8 |
| 7.5°  | 418.1 |
| 10°   | 415.9 |
| 12.5° | 407.9 |
| 15°   | 395.1 |
| 17.5° | 375.2 |
| 20°   | 347.8 |
| 22.5° | 310.6 |
| 25°   | 259.7 |
| 27.5° | 195.1 |
| 30°   | 124.3 |
| 32.5° | 72.1  |
| 35°   | 35.4  |
| 37.5° | 16.8  |
| 40°   | 7.1   |
| 42.5° | 1.8   |
| 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)