

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: P1304990

Luminaire Tested: P3RT09R40B2750DE010 E3CBUS1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

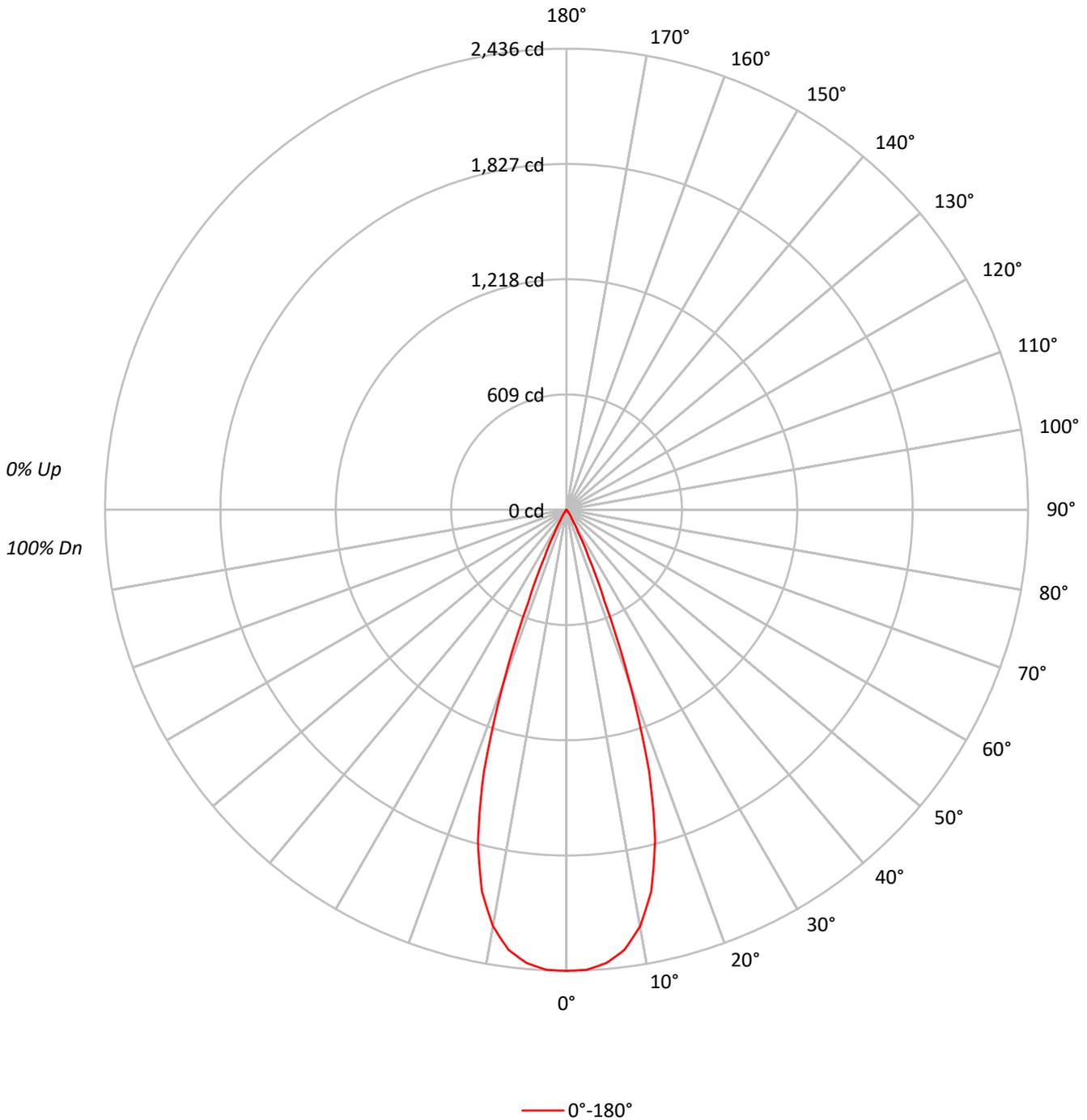
Test Method: LM-79-2019  
Report Number: P1304990  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-90)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT09R40B2750DE010 E3CBUS1MW\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 80CRI , E3CBUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 869.0 lumens  
Efficiency: N/A  
Efficacy: 66.3 lumens/watt  
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.55  
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  |  | 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   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  |  | 96  |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 103 | 100 | 98  | 100 | 98  | 96  | 97  | 96  | 94  |  | 93  |
| 3   | 107 | 103 | 99  | 96  | 106 | 101 | 98  | 95  | 99  | 96  | 94  | 97  | 94  | 92  | 94  | 93  | 91  |  | 90  |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 94  | 91  | 95  | 92  | 90  | 94  | 91  | 89  | 92  | 90  | 88  |  | 87  |
| 5   | 101 | 95  | 90  | 87  | 99  | 94  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 89  | 87  | 85  |  | 84  |
| 6   | 98  | 91  | 87  | 84  | 96  | 90  | 86  | 84  | 89  | 86  | 83  | 88  | 85  | 83  | 87  | 84  | 82  |  | 81  |
| 7   | 95  | 88  | 84  | 81  | 94  | 87  | 83  | 80  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 81  | 79  |  | 78  |
| 8   | 92  | 85  | 81  | 78  | 91  | 85  | 80  | 78  | 84  | 80  | 77  | 83  | 79  | 77  | 82  | 79  | 77  |  | 76  |
| 9   | 89  | 82  | 78  | 75  | 88  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 75  | 80  | 77  | 74  |  | 73  |
| 10  | 87  | 80  | 76  | 73  | 86  | 79  | 75  | 73  | 79  | 75  | 73  | 78  | 75  | 72  | 77  | 74  | 72  |  | 71  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 534277 |
| 5°  | 529274 |
| 10° | 497653 |
| 15° | 410036 |
| 20° | 227076 |
| 25° | 65859  |
| 30° | 16256  |
| 35° | 5836   |
| 40° | 1460   |
| 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°    | 224.3  | 25.8      |
| 10°-20°   | 472.8  | 54.4      |
| 20°-30°   | 155.6  | 17.9      |
| 30°-40°   | 15.7   | 1.8       |
| 40°-50°   | 0.7    | 0.1       |
| 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       |
| 0°-30°    | 852.7  | 98.1      |
| 0°-40°    | 868.3  | 99.9      |
| 0°-60°    | 869.0  | 100.0     |
| 0°-90°    | 869.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 869.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2436 |      |
| 5°  | 2404 | 224  |
| 15° | 1806 | 473  |
| 25° | 272  | 156  |
| 35° | 22   | 16   |
| 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°    | 2436.5 |
| 2.5°  | 2432.7 |
| 5°    | 2404.5 |
| 7.5°  | 2345.4 |
| 10°   | 2235.0 |
| 12.5° | 2064.3 |
| 15°   | 1806.2 |
| 17.5° | 1450.6 |
| 20°   | 973.1  |
| 22.5° | 525.1  |
| 25°   | 272.2  |
| 27.5° | 129.7  |
| 30°   | 64.2   |
| 32.5° | 35.9   |
| 35°   | 21.8   |
| 37.5° | 11.6   |
| 40°   | 5.1    |
| 42.5° | 1.3    |
| 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)