

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: P1304180

Luminaire Tested: P3RT09R409730DE010 E3CBUS1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1304180  
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: P3RT09R409730DE010 E3CBUS1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3CBUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

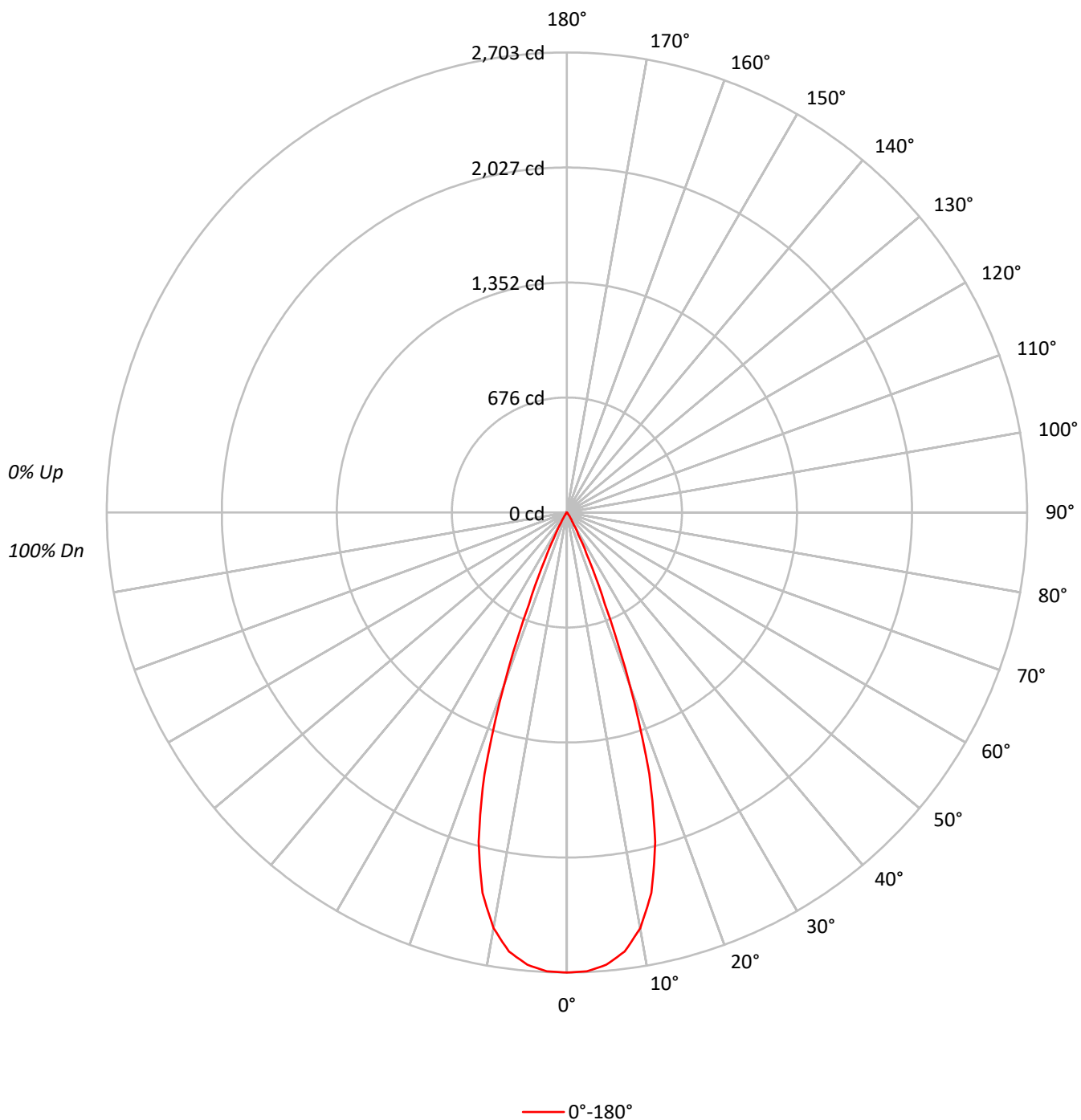
Lumens per Lamp: N/A  
Luminaire Lumens: 964.0 lumens  
Efficiency: N/A  
Efficacy: 86.8 lumens/watt  
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.55  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96 | 94 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 103 | 100 | 98  | 100 | 98  | 96  | 97  | 96  | 94  | 94  | 93 | 91 |
| 3   | 107 | 103 | 99  | 96  | 106 | 101 | 98  | 95  | 99  | 96  | 94  | 97  | 94  | 92  | 94  | 93  | 91  | 92  | 90 | 88 |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 94  | 91  | 95  | 92  | 90  | 94  | 91  | 89  | 92  | 90  | 88  | 89  | 87 | 85 |
| 5   | 101 | 95  | 90  | 87  | 99  | 94  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 89  | 87  | 85  | 87  | 84 | 82 |
| 6   | 98  | 91  | 87  | 84  | 96  | 90  | 86  | 84  | 89  | 86  | 83  | 88  | 85  | 83  | 87  | 84  | 82  | 84  | 81 | 79 |
| 7   | 95  | 88  | 84  | 81  | 94  | 87  | 83  | 80  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 82  | 79 | 77 |
| 8   | 92  | 85  | 81  | 78  | 91  | 85  | 80  | 78  | 84  | 80  | 77  | 83  | 79  | 77  | 82  | 79  | 77  | 80  | 77 | 74 |
| 9   | 89  | 82  | 78  | 75  | 88  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 75  | 80  | 77  | 74  | 77  | 74 | 72 |
| 10  | 87  | 80  | 76  | 73  | 86  | 79  | 75  | 73  | 79  | 75  | 73  | 78  | 75  | 72  | 77  | 74  | 72  | 77  | 74 | 71 |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 592694 |
| 5°  | 587122 |
| 10° | 552049 |
| 15° | 454872 |
| 20° | 251905 |
| 25° | 73045  |
| 30° | 18028  |
| 35° | 6478   |
| 40° | 1632   |
| 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°    | 248.8  | 25.8      |
| 10°-20°   | 524.4  | 54.4      |
| 20°-30°   | 172.6  | 17.9      |
| 30°-40°   | 17.4   | 1.8       |
| 40°-50°   | 0.8    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 945.9  | 98.1      |
| 0°-40°    | 963.2  | 99.9      |
| 0°-60°    | 964.0  | 100.0     |
| 0°-90°    | 964.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 964.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2703 |      |
| 5°  | 2667 | 249  |
| 15° | 2004 | 524  |
| 25° | 302  | 173  |
| 35° | 24   | 17   |
| 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°    | 2702.9 |
| 2.5°  | 2698.6 |
| 5°    | 2667.3 |
| 7.5°  | 2601.8 |
| 10°   | 2479.3 |
| 12.5° | 2289.9 |
| 15°   | 2003.7 |
| 17.5° | 1609.2 |
| 20°   | 1079.5 |
| 22.5° | 582.5  |
| 25°   | 301.9  |
| 27.5° | 143.8  |
| 30°   | 71.2   |
| 32.5° | 39.9   |
| 35°   | 24.2   |
| 37.5° | 12.8   |
| 40°   | 5.7    |
| 42.5° | 1.4    |
| 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)