

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: P1270281

Luminaire Tested: P3A17R509740DE010 E3DL1WH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1270281  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R509740DE010 E3DL1WH  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DL1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

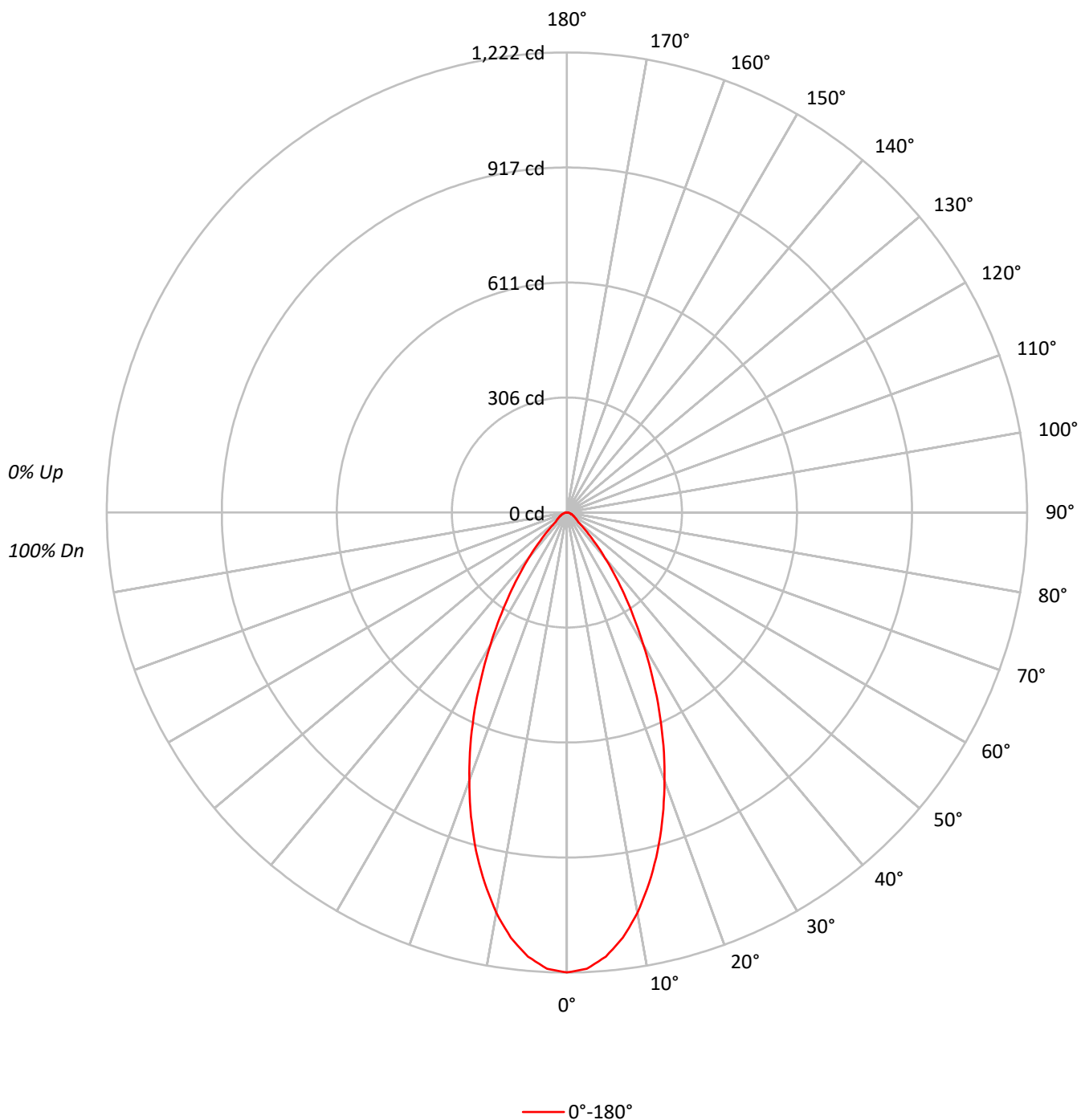
Lumens per Lamp: N/A  
Luminaire Lumens: 921.0 lumens  
Efficiency: N/A  
Efficacy: 43.4 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 91  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 85  | 91  | 87  | 83  |  | 88  | 85  | 82  |  | 86  |
| 4   | 96  | 88  | 82  | 78  | 94  | 87  | 82  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 81  |
| 5   | 91  | 83  | 76  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 77  |
| 6   | 87  | 77  | 71  | 67  | 85  | 77  | 71  | 67  | 75  | 70  | 66  |  | 74  | 69  | 66  |  | 72  |
| 7   | 82  | 73  | 67  | 62  | 81  | 72  | 66  | 62  | 71  | 66  | 62  |  | 70  | 65  | 61  |  | 68  |
| 8   | 78  | 69  | 63  | 58  | 77  | 68  | 62  | 58  | 67  | 62  | 58  |  | 66  | 61  | 58  |  | 65  |
| 9   | 75  | 65  | 59  | 55  | 74  | 64  | 59  | 55  | 63  | 58  | 55  |  | 63  | 58  | 54  |  | 62  |
| 10  | 71  | 61  | 56  | 52  | 70  | 61  | 55  | 52  | 60  | 55  | 51  |  | 59  | 55  | 51  |  | 59  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 267873 |
| 5°  | 260664 |
| 10° | 240365 |
| 15° | 211375 |
| 20° | 176859 |
| 25° | 140234 |
| 30° | 102902 |
| 35° | 70751  |
| 40° | 44970  |
| 45° | 25119  |
| 50° | 13611  |
| 55° | 11431  |
| 60° | 9824   |
| 65° | 9080   |
| 70° | 8014   |
| 75° | 7371   |
| 80° | 6314   |
| 85° | 6290   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25119 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 109.7  | 11.9      |
| 10°-20°   | 257.9  | 28.0      |
| 20°-30°   | 263.8  | 28.6      |
| 30°-40°   | 167.3  | 18.2      |
| 40°-50°   | 66.5   | 7.2       |
| 50°-60°   | 27.0   | 2.9       |
| 60°-70°   | 17.3   | 1.9       |
| 70°-80°   | 8.9    | 1.0       |
| 80°-90°   | 2.7    | 0.3       |
| 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°    | 631.4  | 68.6      |
| 0°-40°    | 798.6  | 86.7      |
| 0°-60°    | 892.2  | 96.9      |
| 0°-90°    | 921.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 921.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1222 |      |
| 5°  | 1184 | 110  |
| 15° | 931  | 258  |
| 25° | 580  | 264  |
| 35° | 264  | 167  |
| 45° | 81   | 67   |
| 55° | 30   | 27   |
| 65° | 18   | 17   |
| 75° | 9    | 9    |
| 85° | 2    | 3    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1221.6 |
| 2.5°  | 1212.9 |
| 5°    | 1184.2 |
| 7.5°  | 1139.3 |
| 10°   | 1079.5 |
| 12.5° | 1008.4 |
| 15°   | 931.1  |
| 17.5° | 846.4  |
| 20°   | 757.9  |
| 22.5° | 669.4  |
| 25°   | 579.6  |
| 27.5° | 489.9  |
| 30°   | 406.4  |
| 32.5° | 331.6  |
| 35°   | 264.3  |
| 37.5° | 206.9  |
| 40°   | 157.1  |
| 42.5° | 115.9  |
| 45°   | 81.0   |
| 47.5° | 54.8   |
| 50°   | 39.9   |
| 52.5° | 33.7   |
| 55°   | 29.9   |
| 57.5° | 26.2   |
| 60°   | 22.4   |
| 62.5° | 19.9   |
| 65°   | 17.5   |
| 67.5° | 15.0   |
| 70°   | 12.5   |
| 72.5° | 10.0   |
| 75°   | 8.7    |
| 77.5° | 6.2    |
| 80°   | 5.0    |
| 82.5° | 3.7    |
| 85°   | 2.5    |
| 87.5° | 1.2    |
| 90°   | 0.0    |

(END OF REPORT)