

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: P1290047

Luminaire Tested: P3A05R50W2N902750DE010 E3DLD1GPH\_3000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1290047  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R50W2N902750DE010 E3DLD1GPH\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,  
E3DLD1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

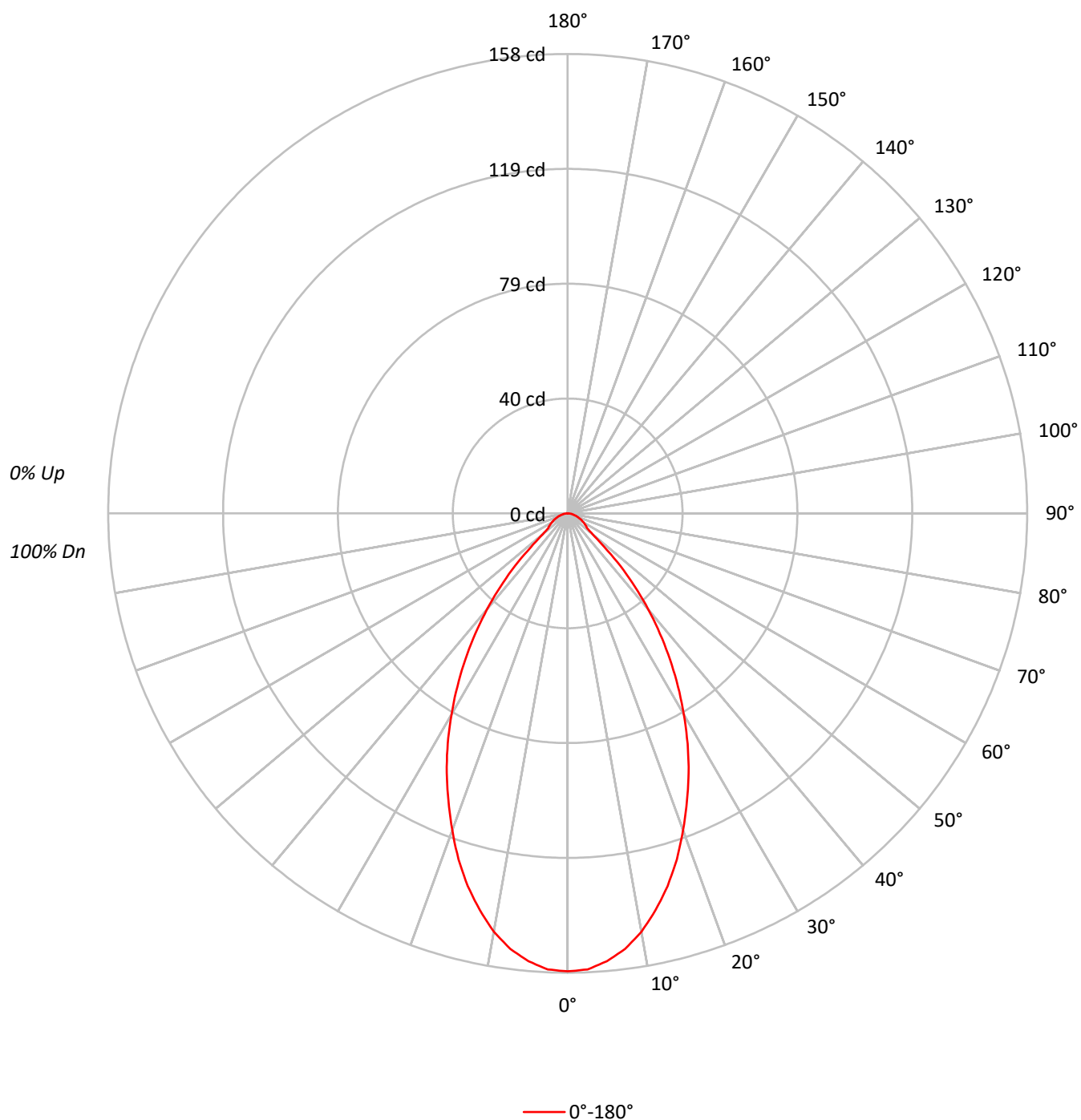
Lumens per Lamp: N/A  
Luminaire Lumens: 170.0 lumens  
Efficiency: N/A  
Efficacy: 28.8 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 97  | 96  |  | 95  | 94  | 93  | 91  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  |  | 92  | 89  | 86  |  | 89  | 86  | 84  | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  |  | 85  | 81  | 78  |  | 83  | 80  | 77  | 75  |
| 4   | 93  | 85  | 78  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  |  | 79  | 75  | 71  |  | 77  | 73  | 70  | 69  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 66  | 75  | 70  | 66  |  | 74  | 69  | 65  |  | 72  | 68  | 64  | 63  |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 65  | 61  | 70  | 65  | 60  |  | 69  | 64  | 60  |  | 67  | 63  | 59  | 58  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 61  | 56  | 66  | 60  | 56  |  | 64  | 59  | 55  |  | 63  | 59  | 55  | 53  |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 56  | 52  | 61  | 56  | 52  |  | 60  | 55  | 51  |  | 59  | 55  | 51  | 50  |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  |  | 57  | 52  | 48  |  | 56  | 51  | 48  | 46  |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  |  | 54  | 48  | 45  |  | 53  | 48  | 45  | 43  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 34537 |
| 5°  | 34030 |
| 10° | 32531 |
| 15° | 30125 |
| 20° | 27069 |
| 25° | 23808 |
| 30° | 20231 |
| 35° | 16410 |
| 40° | 12337 |
| 45° | 7939  |
| 50° | 3787  |
| 55° | 2982  |
| 60° | 2807  |
| 65° | 2594  |
| 70° | 2372  |
| 75° | 2118  |
| 80° | 2020  |
| 85° | 2013  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7939 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 14.5   | 8.5       |
| 10°-20°   | 37.0   | 21.8      |
| 20°-30°   | 45.0   | 26.4      |
| 30°-40°   | 38.1   | 22.4      |
| 40°-50°   | 19.8   | 11.6      |
| 50°-60°   | 7.2    | 4.2       |
| 60°-70°   | 4.9    | 2.9       |
| 70°-80°   | 2.7    | 1.6       |
| 80°-90°   | 0.9    | 0.5       |
| 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°    | 96.5   | 56.7      |
| 0°-40°    | 134.6  | 79.2      |
| 0°-60°    | 161.5  | 95.0      |
| 0°-90°    | 170.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 170.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 158 |      |
| 5°  | 155 | 14   |
| 15° | 133 | 37   |
| 25° | 98  | 45   |
| 35° | 61  | 38   |
| 45° | 26  | 20   |
| 55° | 8   | 7    |
| 65° | 5   | 5    |
| 75° | 2   | 3    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 157.5 |
| 2.5°  | 157.0 |
| 5°    | 154.6 |
| 7.5°  | 151.1 |
| 10°   | 146.1 |
| 12.5° | 139.7 |
| 15°   | 132.7 |
| 17.5° | 124.8 |
| 20°   | 116.0 |
| 22.5° | 107.1 |
| 25°   | 98.4  |
| 27.5° | 89.3  |
| 30°   | 79.9  |
| 32.5° | 70.6  |
| 35°   | 61.3  |
| 37.5° | 52.2  |
| 40°   | 43.1  |
| 42.5° | 34.3  |
| 45°   | 25.6  |
| 47.5° | 17.1  |
| 50°   | 11.1  |
| 52.5° | 8.5   |
| 55°   | 7.8   |
| 57.5° | 7.0   |
| 60°   | 6.4   |
| 62.5° | 5.6   |
| 65°   | 5.0   |
| 67.5° | 4.3   |
| 70°   | 3.7   |
| 72.5° | 3.1   |
| 75°   | 2.5   |
| 77.5° | 1.9   |
| 80°   | 1.6   |
| 82.5° | 1.2   |
| 85°   | 0.8   |
| 87.5° | 0.4   |
| 90°   | 0.0   |

(END OF REPORT)