

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: P1290180

Luminaire Tested: P3AS05R50W2N902765DE010 E3DL1H\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1290180  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R50W2N902765DE010 E3DL1H\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,  
E3DL1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

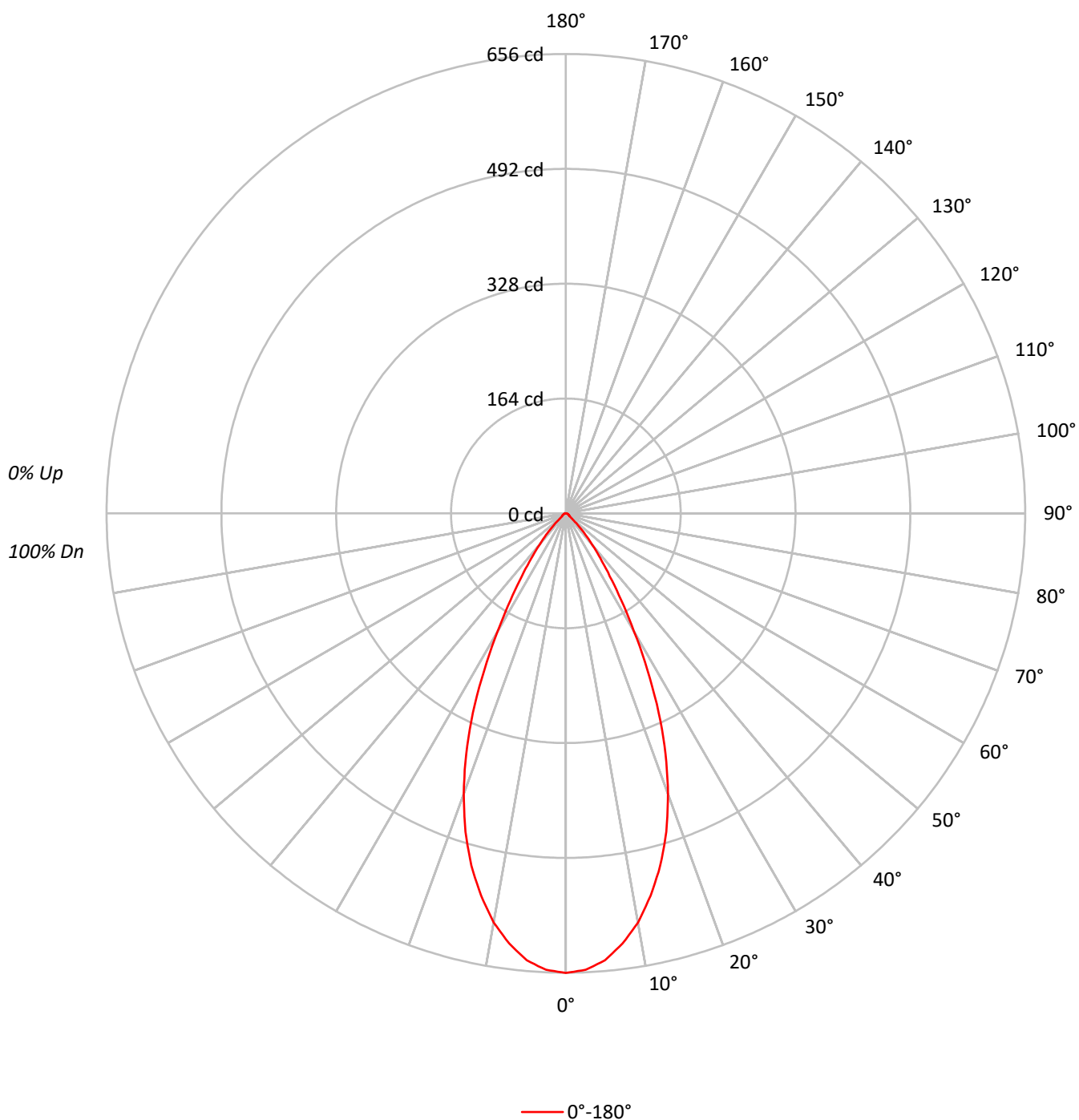
Lumens per Lamp: N/A  
Luminaire Lumens: 451.9 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  | 96  | 95  |  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  | 91  | 89  |  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 88  | 85  | 83  |  | 82  |
| 4   | 98  | 91  | 85  | 81  | 96  | 90  | 85  | 81  | 87  | 83  | 80  |  | 85  | 82  | 79  |  | 84  | 81  | 78  |  | 76  |
| 5   | 93  | 85  | 80  | 76  | 92  | 84  | 79  | 75  | 83  | 78  | 74  |  | 81  | 77  | 74  |  | 79  | 76  | 73  |  | 72  |
| 6   | 89  | 80  | 75  | 71  | 88  | 80  | 74  | 70  | 78  | 73  | 70  |  | 77  | 73  | 69  |  | 75  | 72  | 69  |  | 68  |
| 7   | 85  | 76  | 70  | 66  | 84  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 65  |  | 72  | 68  | 65  |  | 64  |
| 8   | 81  | 72  | 66  | 62  | 80  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  | 64  | 61  |  | 60  |
| 9   | 78  | 68  | 63  | 59  | 76  | 68  | 62  | 59  | 67  | 62  | 59  |  | 66  | 62  | 58  |  | 65  | 61  | 58  |  | 57  |
| 10  | 74  | 65  | 59  | 56  | 73  | 65  | 59  | 56  | 64  | 59  | 55  |  | 63  | 59  | 55  |  | 62  | 58  | 55  |  | 54  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 143914 |
| 5°  | 141008 |
| 10° | 132084 |
| 15° | 118230 |
| 20° | 99502  |
| 25° | 75948  |
| 30° | 49349  |
| 35° | 29259  |
| 40° | 16917  |
| 45° | 8466   |
| 50° | 3138   |
| 55° | 2447   |
| 60° | 2281   |
| 65° | 2075   |
| 70° | 2052   |
| 75° | 2033   |
| 80° | 2020   |
| 85° | 2013   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8466 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.6   | 13.2      |
| 10°-20°   | 144.0  | 31.9      |
| 20°-30°   | 141.3  | 31.3      |
| 30°-40°   | 71.2   | 15.8      |
| 40°-50°   | 22.5   | 5.0       |
| 50°-60°   | 5.8    | 1.3       |
| 60°-70°   | 4.1    | 0.9       |
| 70°-80°   | 2.5    | 0.6       |
| 80°-90°   | 0.9    | 0.2       |
| 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°    | 344.9  | 76.3      |
| 0°-40°    | 416.1  | 92.1      |
| 0°-60°    | 444.4  | 98.3      |
| 0°-90°    | 451.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 451.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 656 |      |
| 5°  | 641 | 60   |
| 15° | 521 | 144  |
| 25° | 314 | 141  |
| 35° | 109 | 71   |
| 45° | 27  | 22   |
| 55° | 6   | 6    |
| 65° | 4   | 4    |
| 75° | 2   | 3    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 656.3 |
| 2.5°  | 652.3 |
| 5°    | 640.6 |
| 7.5°  | 619.7 |
| 10°   | 593.2 |
| 12.5° | 559.0 |
| 15°   | 520.8 |
| 17.5° | 476.6 |
| 20°   | 426.4 |
| 22.5° | 372.1 |
| 25°   | 313.9 |
| 27.5° | 252.0 |
| 30°   | 194.9 |
| 32.5° | 146.7 |
| 35°   | 109.3 |
| 37.5° | 80.8  |
| 40°   | 59.1  |
| 42.5° | 41.8  |
| 45°   | 27.3  |
| 47.5° | 15.7  |
| 50°   | 9.2   |
| 52.5° | 6.8   |
| 55°   | 6.4   |
| 57.5° | 5.6   |
| 60°   | 5.2   |
| 62.5° | 4.8   |
| 65°   | 4.0   |
| 67.5° | 3.6   |
| 70°   | 3.2   |
| 72.5° | 2.8   |
| 75°   | 2.4   |
| 77.5° | 2.0   |
| 80°   | 1.6   |
| 82.5° | 1.2   |
| 85°   | 0.8   |
| 87.5° | 0.4   |
| 90°   | 0.0   |

(END OF REPORT)