

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: P1289996

Luminaire Tested: P3AS05R50W2N902750DE010 E3D1LI\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1289996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R50W2N902750DE010 E3D1LI\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,  
E3D1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

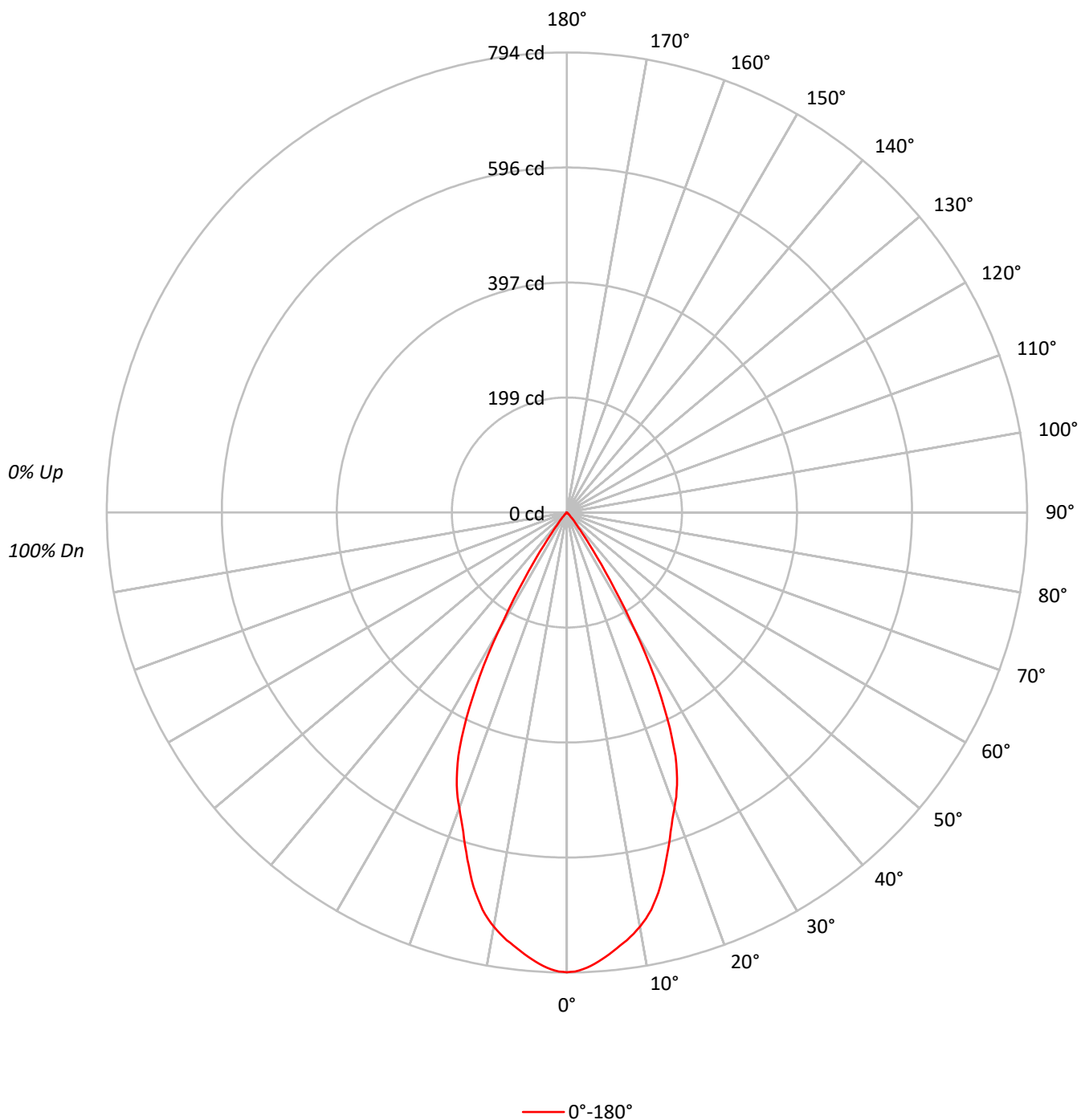
Lumens per Lamp: N/A  
Luminaire Lumens: 498.0 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 112 | 109 | 107 |  | 112 | 110 | 108 | 106 |  | 105 | 104 | 102 |  | 102 | 101 | 99  |  | 98  | 97  | 97  |  | 95  |  |  |   |
| 2   | 109 | 105 | 101 | 98  |  | 107 | 103 | 100 | 97  |  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  | 93  | 91  |  | 90  |  |  |   |
| 3   | 105 | 99  | 95  | 91  |  | 103 | 98  | 94  | 90  |  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  | 88  | 86  |  | 85  |  |  |   |
| 4   | 100 | 94  | 89  | 85  |  | 99  | 92  | 88  | 85  |  | 90  | 87  | 84  |  | 88  | 85  | 83  |  | 87  | 84  | 82  |  | 80  |  |  |   |
| 5   | 96  | 89  | 84  | 80  |  | 94  | 88  | 83  | 79  |  | 86  | 82  | 79  |  | 84  | 81  | 78  |  | 83  | 80  | 77  |  | 76  |  |  |   |
| 6   | 92  | 84  | 79  | 75  |  | 91  | 83  | 78  | 75  |  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  | 76  | 73  |  | 72  |  |  |   |
| 7   | 88  | 80  | 75  | 71  |  | 87  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 77  | 73  | 70  |  | 76  | 72  | 70  |  | 68  |  |  |   |
| 8   | 84  | 76  | 71  | 67  |  | 83  | 76  | 71  | 67  |  | 74  | 70  | 67  |  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 65  |  |  |   |
| 9   | 81  | 73  | 67  | 64  |  | 80  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  | 66  | 63  |  | 70  | 66  | 63  |  | 62  |  |  |   |
| 10  | 78  | 69  | 64  | 61  |  | 77  | 69  | 64  | 61  |  | 68  | 64  | 60  |  | 67  | 63  | 60  |  | 67  | 63  | 60  |  | 59  |  |  |   |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 174021 |
| 5°  | 169403 |
| 10° | 161654 |
| 15° | 146357 |
| 20° | 126618 |
| 25° | 103845 |
| 30° | 59655  |
| 35° | 18524  |
| 40° | 4981   |
| 45° | 1737   |
| 50° | 409    |
| 55° | 153    |
| 60° | 88     |
| 65° | 104    |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 1737 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 72.1   | 14.5      |
| 10°-20°   | 178.6  | 35.9      |
| 20°-30°   | 187.7  | 37.7      |
| 30°-40°   | 53.7   | 10.8      |
| 40°-50°   | 5.2    | 1.1       |
| 50°-60°   | 0.4    | 0.1       |
| 60°-70°   | 0.2    | 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°    | 438.4  | 88.0      |
| 0°-40°    | 492.2  | 98.8      |
| 0°-60°    | 497.9  | 100.0     |
| 0°-90°    | 498.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 498.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 794 |      |
| 5°  | 770 | 72   |
| 15° | 645 | 179  |
| 25° | 429 | 188  |
| 35° | 69  | 54   |
| 45° | 6   | 5    |
| 55° | 0   | 0    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 793.6 |
| 1°    | 792.4 |
| 2°    | 788.9 |
| 3°    | 783.8 |
| 4°    | 777.0 |
| 5°    | 769.6 |
| 6°    | 761.7 |
| 7°    | 753.2 |
| 8°    | 745.3 |
| 9°    | 736.2 |
| 10°   | 726.0 |
| 11°   | 714.2 |
| 12°   | 700.7 |
| 13°   | 683.8 |
| 14°   | 665.6 |
| 15°   | 644.7 |
| 16°   | 622.5 |
| 17°   | 601.1 |
| 18°   | 579.1 |
| 19°   | 559.8 |
| 20°   | 542.6 |
| 21°   | 526.1 |
| 22°   | 507.3 |
| 23°   | 485.6 |
| 24°   | 460.3 |
| 25°   | 429.2 |
| 26°   | 395.5 |
| 27°   | 357.9 |
| 28°   | 320.5 |
| 29°   | 280.1 |
| 30°   | 235.6 |
| 31°   | 194.0 |
| 32°   | 155.7 |
| 32.5° | 139.0 |
| 33°   | 122.1 |
| 34°   | 93.6  |
| 35°   | 69.2  |
| 36°   | 50.8  |
| 37°   | 37.8  |
| 37.5° | 32.7  |
| 38°   | 28.3  |
| 39°   | 22.0  |
| 40°   | 17.4  |
| 42.5° | 9.8   |
| 45°   | 5.6   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 3.2 |
| 50°   | 1.2 |
| 52.5° | 0.5 |
| 55°   | 0.4 |
| 57.5° | 0.4 |
| 60°   | 0.2 |
| 62.5° | 0.2 |
| 65°   | 0.2 |
| 67.5° | 0.2 |
| 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)