

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: P1291271

Luminaire Tested: P3A05R70W2N902750DE010 E3D1H\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1291271  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R70W2N902750DE010 E3D1H\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

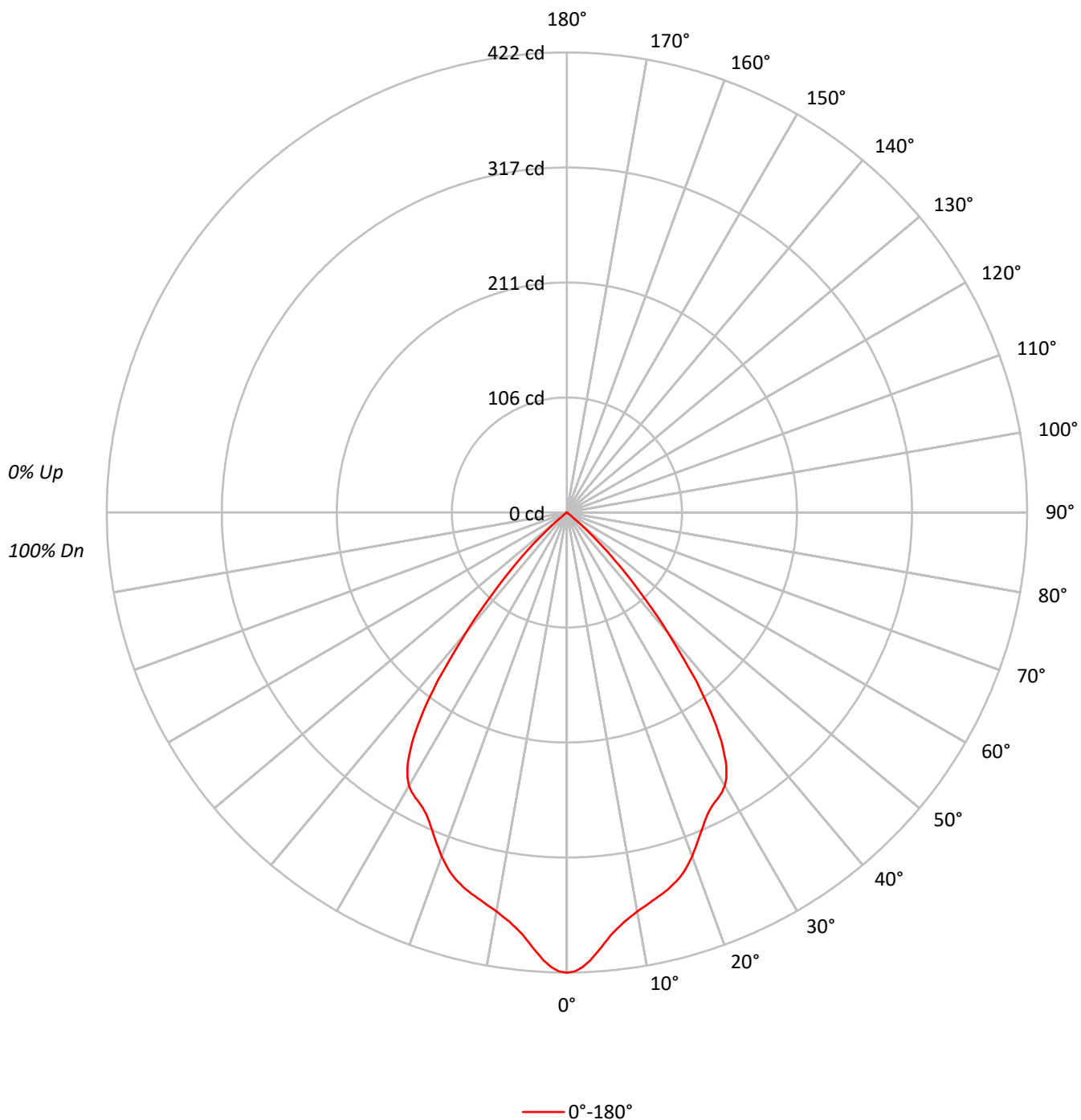
Lumens per Lamp: N/A  
Luminaire Lumens: 476.0 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| 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 | 108 | 105 | 111 | 108 | 106 | 104 | 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 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 84  | 81  |  | 86  |
| 4   | 95  | 87  | 81  | 77  | 94  | 86  | 81  | 77  | 84  | 79  | 76  |  | 82  | 78  | 75  |  | 80  |
| 5   | 90  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 69  |  | 77  | 72  | 69  |  | 75  |
| 6   | 85  | 75  | 69  | 64  | 83  | 75  | 69  | 64  | 73  | 68  | 64  |  | 72  | 67  | 63  |  | 70  |
| 7   | 80  | 70  | 64  | 59  | 79  | 70  | 63  | 59  | 68  | 63  | 59  |  | 67  | 62  | 58  |  | 66  |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 54  |  | 63  | 58  | 54  |  | 62  |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  |  | 59  | 54  | 50  |  | 58  |
| 10  | 68  | 58  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 51  | 47  |  | 55  | 50  | 47  |  | 55  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 92558 |
| 5°  | 87277 |
| 10° | 82742 |
| 15° | 81272 |
| 20° | 78337 |
| 25° | 73843 |
| 30° | 73302 |
| 35° | 63845 |
| 40° | 41306 |
| 45° | 19537 |
| 50° | 2729  |
| 55° | 229   |
| 60° | 175   |
| 65° | 208   |
| 70° | 128   |
| 75° | 169   |
| 80° | 253   |
| 85° | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19537 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 37.0   | 7.8       |
| 10°-20°   | 100.5  | 21.1      |
| 20°-30°   | 142.2  | 29.9      |
| 30°-40°   | 142.9  | 30.0      |
| 40°-50°   | 51.4   | 10.8      |
| 50°-60°   | 1.4    | 0.3       |
| 60°-70°   | 0.3    | 0.1       |
| 70°-80°   | 0.2    | 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       |
| 0°-30°    | 279.8  | 58.8      |
| 0°-40°    | 422.7  | 88.8      |
| 0°-60°    | 475.5  | 99.9      |
| 0°-90°    | 476.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 476.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 422 |      |
| 5°  | 396 | 37   |
| 15° | 358 | 101  |
| 25° | 305 | 142  |
| 35° | 238 | 143  |
| 45° | 63  | 51   |
| 55° | 1   | 1    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 422.1 |
| 1°    | 420.9 |
| 2°    | 417.2 |
| 3°    | 411.3 |
| 4°    | 403.9 |
| 5°    | 396.5 |
| 6°    | 389.4 |
| 7°    | 384.0 |
| 8°    | 379.1 |
| 9°    | 375.2 |
| 10°   | 371.6 |
| 11°   | 368.7 |
| 12°   | 366.0 |
| 13°   | 363.2 |
| 14°   | 360.7 |
| 15°   | 358.0 |
| 16°   | 354.6 |
| 17°   | 351.1 |
| 18°   | 346.8 |
| 19°   | 341.5 |
| 20°   | 335.7 |
| 21°   | 329.2 |
| 22°   | 322.8 |
| 23°   | 316.5 |
| 24°   | 310.5 |
| 25°   | 305.2 |
| 26°   | 301.5 |
| 27°   | 298.5 |
| 28°   | 296.2 |
| 29°   | 293.4 |
| 30°   | 289.5 |
| 31°   | 283.9 |
| 32°   | 275.9 |
| 32.5° | 271.4 |
| 33°   | 265.3 |
| 34°   | 253.4 |
| 35°   | 238.5 |
| 36°   | 222.1 |
| 37°   | 203.5 |
| 37.5° | 194.9 |
| 38°   | 183.2 |
| 39°   | 162.3 |
| 40°   | 144.3 |
| 42.5° | 99.9  |
| 45°   | 63.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°   |
|-------|------|
| 47.5° | 33.8 |
| 50°   | 8.0  |
| 52.5° | 1.0  |
| 55°   | 0.6  |
| 57.5° | 0.6  |
| 60°   | 0.4  |
| 62.5° | 0.4  |
| 65°   | 0.4  |
| 67.5° | 0.2  |
| 70°   | 0.2  |
| 72.5° | 0.2  |
| 75°   | 0.2  |
| 77.5° | 0.2  |
| 80°   | 0.2  |
| 82.5° | 0.0  |
| 85°   | 0.0  |
| 87.5° | 0.0  |
| 90°   | 0.0  |

(END OF REPORT)