

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: P1290489

Luminaire Tested: P3A05R55W2N902765DE010 E3D1WMH\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1290489  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R55W2N902765DE010 E3D1WMH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,  
E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

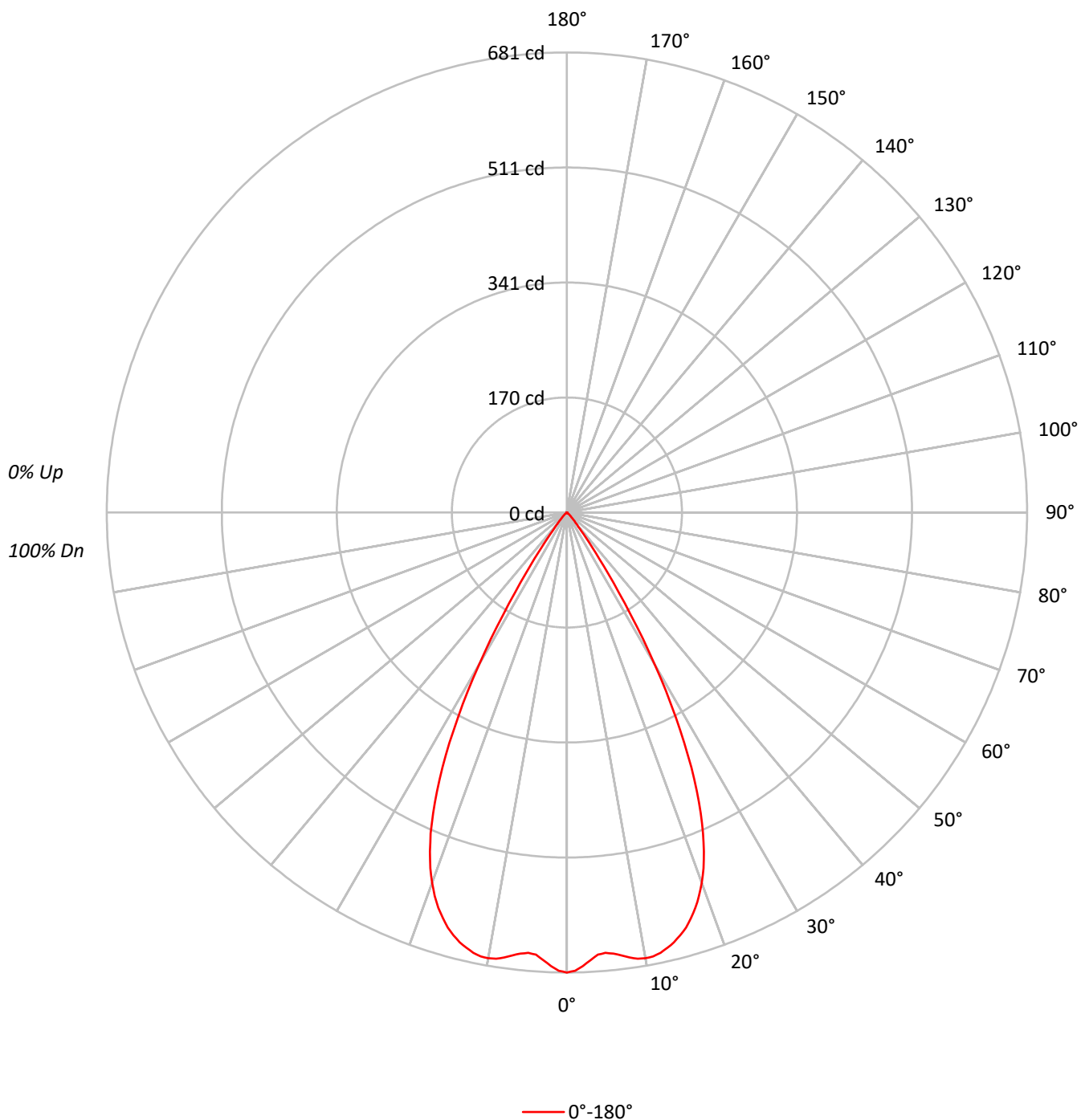
Lumens per Lamp: N/A  
Luminaire Lumens: 515.0 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |  | 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 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  | 97  | 96  |  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  | 92  | 91  |  | 89  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 90  | 95  | 91  | 88  |  | 92  | 89  | 87  |  | 90  | 88  | 86  |  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 84  | 82  |  | 86  | 83  | 81  |  | 79  |
| 5   | 95  | 88  | 82  | 79  | 94  | 87  | 82  | 78  | 85  | 81  | 78  |  | 84  | 80  | 77  |  | 82  | 79  | 76  |  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 74  | 81  | 76  | 73  |  | 80  | 76  | 73  |  | 78  | 75  | 72  |  | 71  |
| 7   | 87  | 79  | 73  | 70  | 86  | 78  | 73  | 69  | 77  | 72  | 69  |  | 76  | 72  | 69  |  | 75  | 71  | 68  |  | 67  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 66  | 73  | 69  | 65  |  | 72  | 68  | 65  |  | 71  | 68  | 65  |  | 63  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  | 64  | 61  |  | 60  |
| 10  | 77  | 68  | 62  | 59  | 76  | 67  | 62  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 65  | 61  | 58  |  | 57  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 149352 |
| 5°  | 144067 |
| 10° | 149207 |
| 15° | 147106 |
| 20° | 136139 |
| 25° | 110111 |
| 30° | 65985  |
| 35° | 22352  |
| 40° | 6154   |
| 45° | 2729   |
| 50° | 785    |
| 55° | 153    |
| 60° | 88     |
| 65° | 104    |
| 70° | 128    |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 2729 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.3   | 12.3      |
| 10°-20°   | 180.4  | 35.0      |
| 20°-30°   | 200.5  | 38.9      |
| 30°-40°   | 62.4   | 12.1      |
| 40°-50°   | 7.5    | 1.5       |
| 50°-60°   | 0.6    | 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       |
| 0°-30°    | 444.3  | 86.3      |
| 0°-40°    | 506.7  | 98.4      |
| 0°-60°    | 514.8  | 100.0     |
| 0°-90°    | 515.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 515.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 681 |      |
| 5°  | 654 | 63   |
| 15° | 648 | 180  |
| 25° | 455 | 201  |
| 35° | 84  | 62   |
| 45° | 9   | 7    |
| 55° | 0   | 1    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 681.1 |
| 1°    | 678.5 |
| 2°    | 671.9 |
| 3°    | 663.7 |
| 4°    | 656.2 |
| 5°    | 654.5 |
| 6°    | 656.4 |
| 7°    | 660.5 |
| 8°    | 665.2 |
| 9°    | 668.9 |
| 10°   | 670.1 |
| 11°   | 669.3 |
| 12°   | 666.2 |
| 13°   | 661.3 |
| 14°   | 655.6 |
| 15°   | 648.0 |
| 16°   | 639.2 |
| 17°   | 628.0 |
| 18°   | 615.5 |
| 19°   | 600.5 |
| 20°   | 583.4 |
| 21°   | 564.1 |
| 22°   | 541.2 |
| 23°   | 515.9 |
| 24°   | 487.0 |
| 25°   | 455.1 |
| 26°   | 420.1 |
| 27°   | 382.9 |
| 28°   | 343.2 |
| 29°   | 302.3 |
| 30°   | 260.6 |
| 31°   | 218.7 |
| 32°   | 177.8 |
| 32.5° | 159.7 |
| 33°   | 140.9 |
| 34°   | 109.0 |
| 35°   | 83.5  |
| 36°   | 63.6  |
| 37°   | 47.2  |
| 37.5° | 40.3  |
| 38°   | 35.0  |
| 39°   | 26.6  |
| 40°   | 21.5  |
| 42.5° | 13.7  |
| 45°   | 8.8   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 5.3 |
| 50°   | 2.3 |
| 52.5° | 0.8 |
| 55°   | 0.4 |
| 57.5° | 0.2 |
| 60°   | 0.2 |
| 62.5° | 0.2 |
| 65°   | 0.2 |
| 67.5° | 0.2 |
| 70°   | 0.2 |
| 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)