

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: P1294120

Luminaire Tested: P3A09R55W2N902750DE010 E3D1WH\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1294120  
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: P3A09R55W2N902750DE010 E3D1WH\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

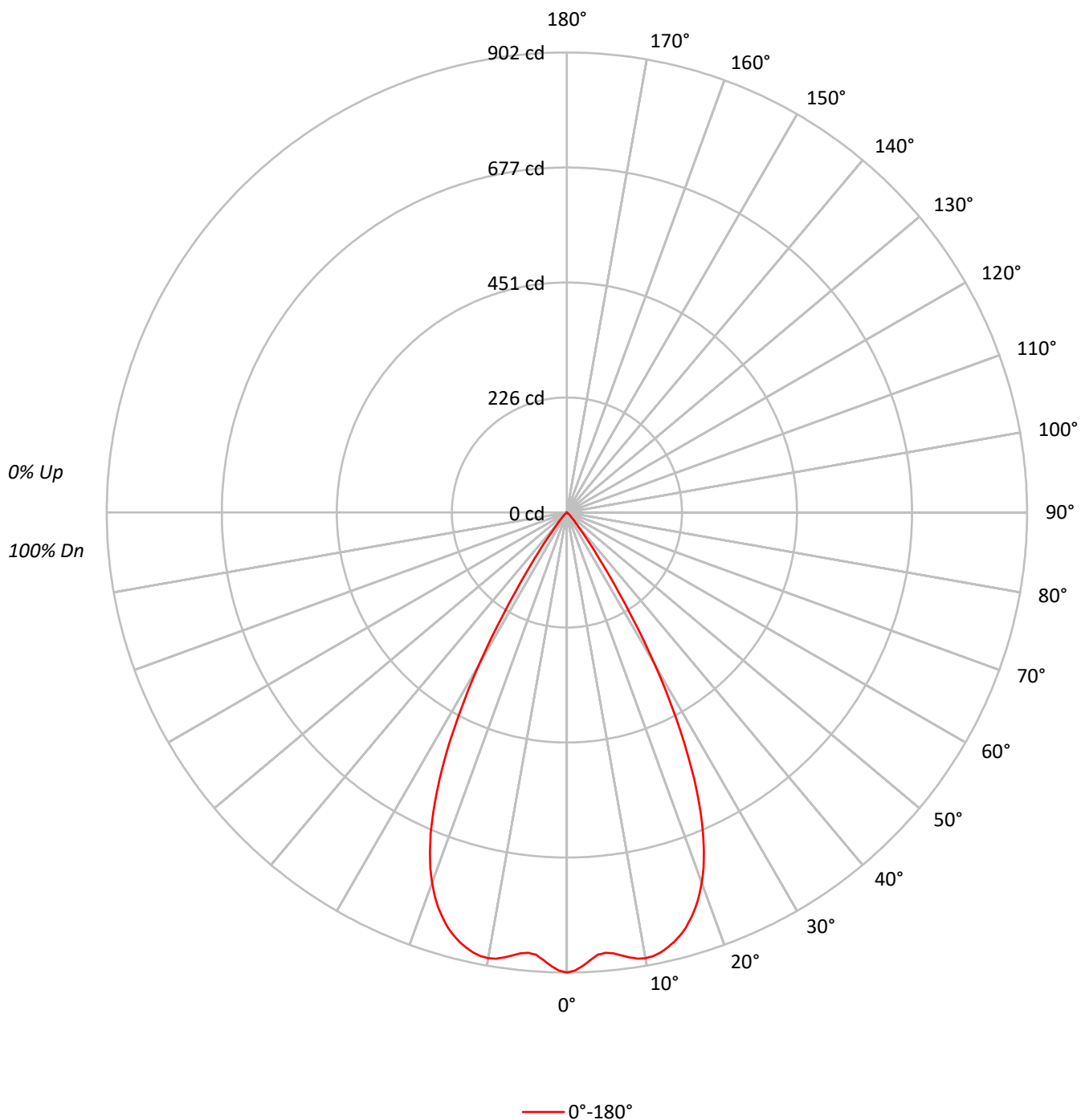
Lumens per Lamp: N/A  
Luminaire Lumens: 682.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  | 30  | 10  | 50  | 30 | 10 |
| 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  | 65  | 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°  | 197769 |
| 5°  | 190777 |
| 10° | 197592 |
| 15° | 194802 |
| 20° | 180289 |
| 25° | 145823 |
| 30° | 87381  |
| 35° | 29607  |
| 40° | 8158   |
| 45° | 3628   |
| 50° | 1058   |
| 55° | 191    |
| 60° | 132    |
| 65° | 156    |
| 70° | 192    |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3628 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 83.9   | 12.3      |
| 10°-20°   | 238.9  | 35.0      |
| 20°-30°   | 265.6  | 38.9      |
| 30°-40°   | 82.7   | 12.1      |
| 40°-50°   | 9.9    | 1.5       |
| 50°-60°   | 0.8    | 0.1       |
| 60°-70°   | 0.3    | 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°    | 588.3  | 86.3      |
| 0°-40°    | 671.0  | 98.4      |
| 0°-60°    | 681.7  | 100.0     |
| 0°-90°    | 682.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 682.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 902 |      |
| 5°  | 867 | 84   |
| 15° | 858 | 239  |
| 25° | 603 | 266  |
| 35° | 111 | 83   |
| 45° | 12  | 10   |
| 55° | 0   | 1    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 901.9 |
| 1°    | 898.5 |
| 2°    | 889.7 |
| 3°    | 878.9 |
| 4°    | 869.0 |
| 5°    | 866.7 |
| 6°    | 869.3 |
| 7°    | 874.7 |
| 8°    | 880.9 |
| 9°    | 885.8 |
| 10°   | 887.4 |
| 11°   | 886.4 |
| 12°   | 882.2 |
| 13°   | 875.7 |
| 14°   | 868.2 |
| 15°   | 858.1 |
| 16°   | 846.5 |
| 17°   | 831.7 |
| 18°   | 815.1 |
| 19°   | 795.2 |
| 20°   | 772.6 |
| 21°   | 747.0 |
| 22°   | 716.7 |
| 23°   | 683.2 |
| 24°   | 644.9 |
| 25°   | 602.7 |
| 26°   | 556.3 |
| 27°   | 507.1 |
| 28°   | 454.5 |
| 29°   | 400.3 |
| 30°   | 345.1 |
| 31°   | 289.7 |
| 32°   | 235.5 |
| 32.5° | 211.4 |
| 33°   | 186.5 |
| 34°   | 144.3 |
| 35°   | 110.6 |
| 36°   | 84.2  |
| 37°   | 62.4  |
| 37.5° | 53.4  |
| 38°   | 46.4  |
| 39°   | 35.2  |
| 40°   | 28.5  |
| 42.5° | 18.1  |
| 45°   | 11.7  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 7.0 |
| 50°   | 3.1 |
| 52.5° | 1.0 |
| 55°   | 0.5 |
| 57.5° | 0.3 |
| 60°   | 0.3 |
| 62.5° | 0.3 |
| 65°   | 0.3 |
| 67.5° | 0.3 |
| 70°   | 0.3 |
| 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)