

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: P1292349

Luminaire Tested: P3A09R25W2N902765DE010 E3D1H\_4000K

Issue Date: 1/29/2026

**Test Information**

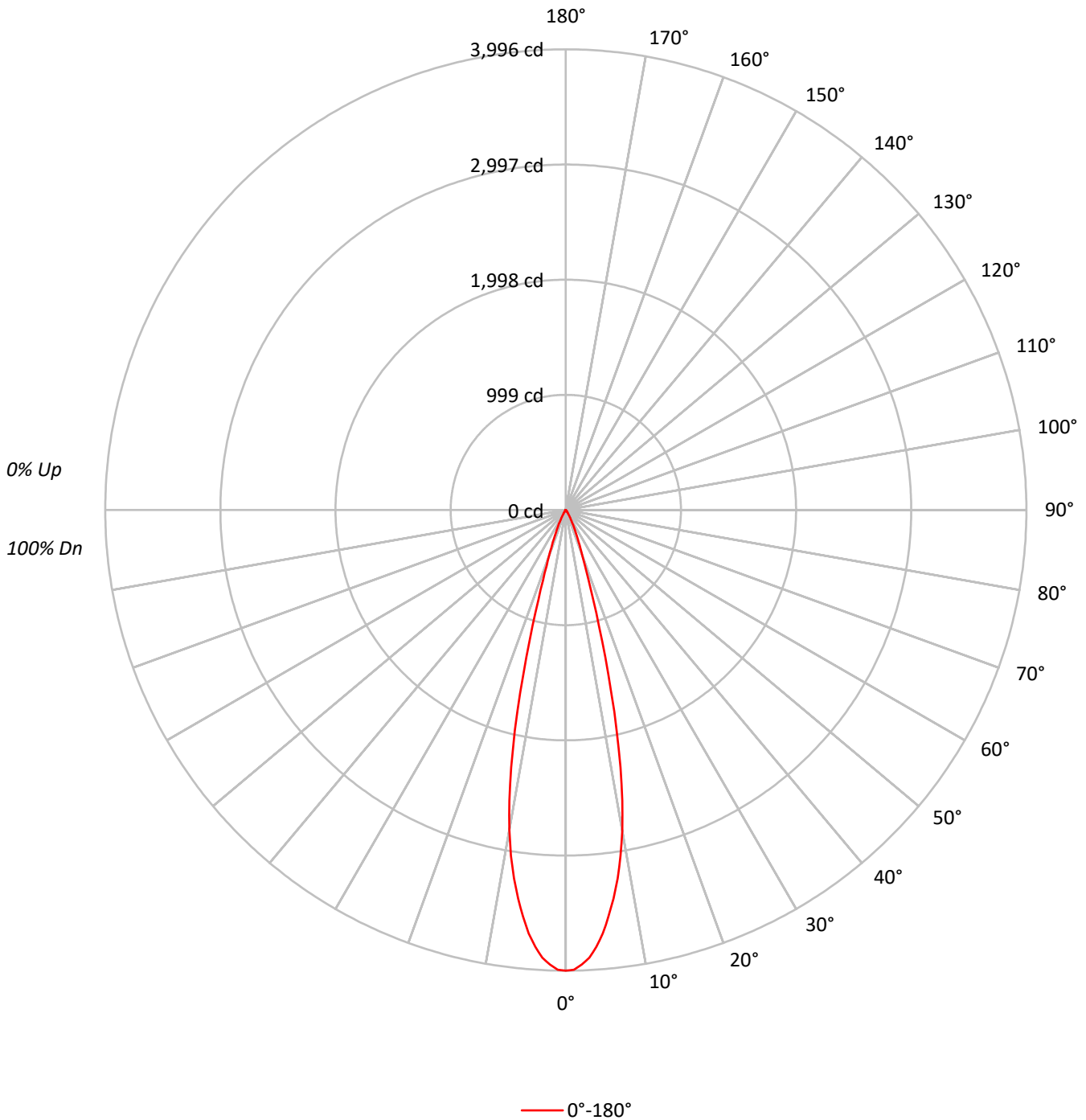
Test Method: LM-79-2019  
Report Number: P1292349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R25W2N902765DE010 E3D1H\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 800.0 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.4  
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  |     |     |     |    |    | 0  |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 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 | 100 | 100 | 99 | 99 | 99 | 100 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 99  | 99  | 99  | 99  | 99  | 99 | 99 | 99 | 97  |
| 2   | 112 | 108 | 106 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 96  | 96  | 96  | 96 | 96 | 96 | 94  |
| 3   | 109 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 96  | 94  | 93  | 96 | 94 | 93 | 92  |
| 4   | 106 | 101 | 97  | 94  | 104 | 100 | 96  | 94  | 98  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 94  | 92  | 90  | 94 | 92 | 90 | 89  |
| 5   | 103 | 97  | 93  | 91  | 101 | 96  | 93  | 90  | 95  | 92  | 90  | 93  | 91  | 89  | 92  | 90  | 88  | 92  | 90  | 88  | 92 | 90 | 88 | 87  |
| 6   | 100 | 94  | 90  | 88  | 99  | 94  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 88  | 86  | 90 | 88 | 86 | 85  |
| 7   | 98  | 92  | 88  | 85  | 97  | 91  | 87  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 86  | 84  | 88 | 86 | 84 | 83  |
| 8   | 95  | 89  | 85  | 83  | 94  | 89  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 86  | 84  | 82  | 86 | 84 | 82 | 81  |
| 9   | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 80  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 84  | 82  | 80  | 84 | 82 | 80 | 79  |
| 10  | 91  | 85  | 81  | 79  | 90  | 84  | 81  | 79  | 84  | 81  | 78  | 83  | 80  | 78  | 83  | 80  | 78  | 83  | 80  | 78  | 83 | 80 | 78 | 77  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 876158 |
| 5°  | 811620 |
| 10° | 627955 |
| 15° | 299934 |
| 20° | 98895  |
| 25° | 41688  |
| 30° | 16154  |
| 35° | 6987   |
| 40° | 2319   |
| 45° | 1085   |
| 50° | 409    |
| 55° | 229    |
| 60° | 132    |
| 65° | 156    |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1085 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 324.1  | 40.5      |
| 10°-20°   | 368.6  | 46.1      |
| 20°-30°   | 85.7   | 10.7      |
| 30°-40°   | 18.0   | 2.2       |
| 40°-50°   | 2.9    | 0.4       |
| 50°-60°   | 0.5    | 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       |
| 0°-30°    | 778.4  | 97.3      |
| 0°-40°    | 796.4  | 99.5      |
| 0°-60°    | 799.8  | 100.0     |
| 0°-90°    | 800.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 800.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3996 |      |
| 5°  | 3687 | 324  |
| 15° | 1321 | 369  |
| 25° | 172  | 86   |
| 35° | 26   | 18   |
| 45° | 4    | 3    |
| 55° | 1    | 0    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3995.6 |
| 1°    | 3987.4 |
| 2°    | 3946.0 |
| 3°    | 3887.7 |
| 4°    | 3798.6 |
| 5°    | 3687.2 |
| 6°    | 3544.2 |
| 7°    | 3394.6 |
| 8°    | 3226.6 |
| 9°    | 3037.2 |
| 10°   | 2820.2 |
| 11°   | 2568.8 |
| 12°   | 2280.2 |
| 13°   | 1964.0 |
| 14°   | 1633.3 |
| 15°   | 1321.2 |
| 16°   | 1045.1 |
| 17°   | 814.2  |
| 18°   | 640.4  |
| 19°   | 512.2  |
| 20°   | 423.8  |
| 21°   | 354.2  |
| 22°   | 297.3  |
| 23°   | 248.3  |
| 24°   | 207.7  |
| 25°   | 172.3  |
| 27.5° | 102.1  |
| 30°   | 63.8   |
| 32.5° | 40.9   |
| 35°   | 26.1   |
| 37.5° | 15.7   |
| 40°   | 8.1    |
| 42.5° | 5.2    |
| 45°   | 3.5    |
| 47.5° | 2.0    |
| 50°   | 1.2    |
| 52.5° | 0.6    |
| 55°   | 0.6    |
| 57.5° | 0.3    |
| 60°   | 0.3    |
| 62.5° | 0.3    |
| 65°   | 0.3    |
| 67.5° | 0.3    |
| 70°   | 0.0    |
| 72.5° | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 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)