

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: P1294144

Luminaire Tested: P3AS09R55W2N902750DE010 E3DL1LI\_5000K

Issue Date: 1/30/2026

**Test Information**

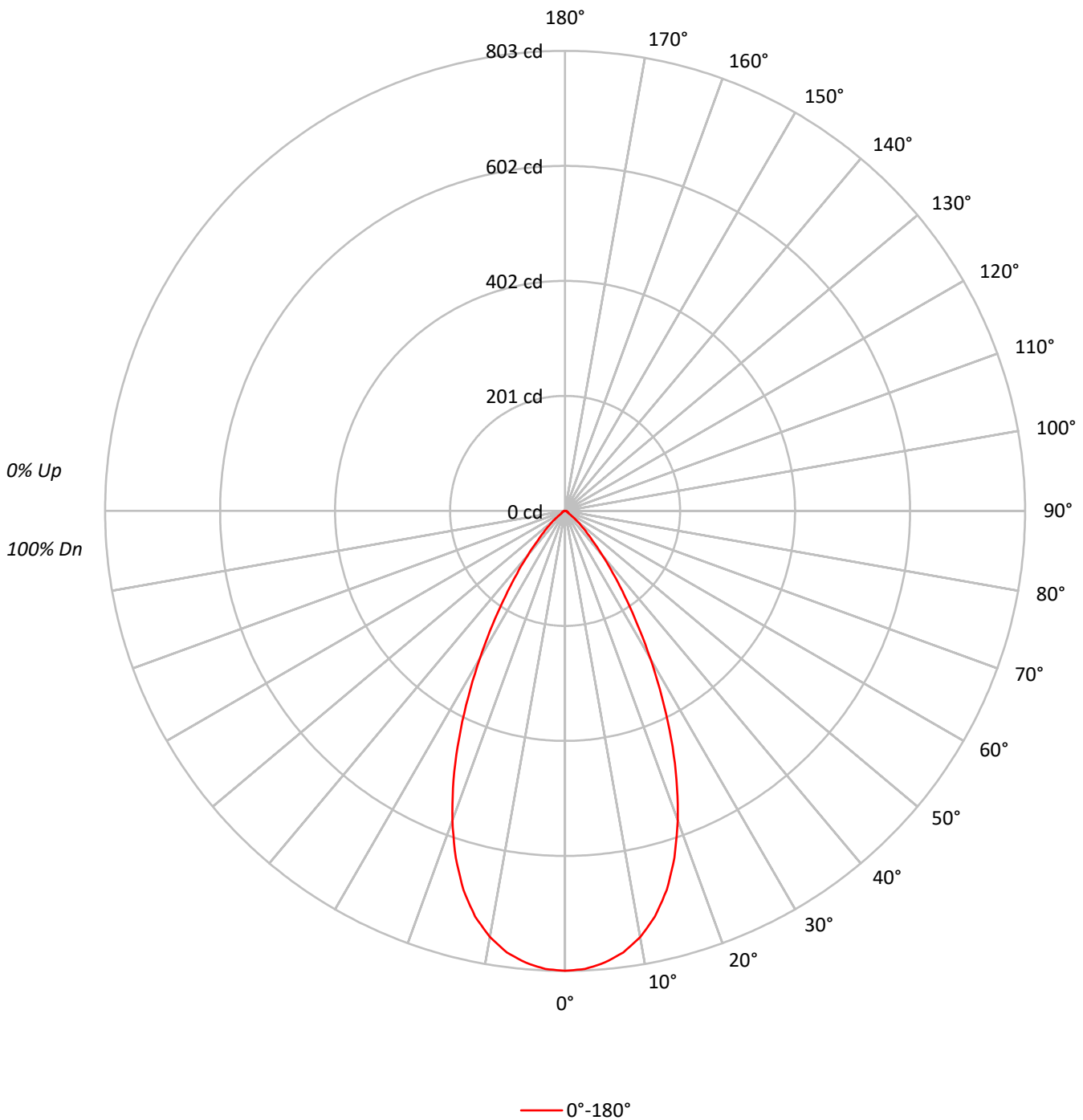
Test Method: LM-79-2019  
Report Number: P1294144  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R55W2N902750DE010 E3DL1LI\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,  
E3DL1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 641.0 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81  
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 |    |    |   |
| 1   | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 93  |    |    |   |
| 2   | 108 | 103 | 99  | 95  | 106 | 101 | 97  | 94  | 98  | 95  | 92  | 95  | 92  | 90  | 92  | 90  | 88  | 87  |    |    |   |
| 3   | 102 | 96  | 91  | 87  | 100 | 94  | 90  | 86  | 92  | 88  | 85  | 89  | 86  | 83  | 87  | 85  | 82  | 81  |    |    |   |
| 4   | 97  | 90  | 84  | 80  | 95  | 89  | 83  | 79  | 86  | 82  | 78  | 84  | 81  | 78  | 82  | 79  | 77  | 75  |    |    |   |
| 5   | 92  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 81  | 77  | 73  | 80  | 76  | 72  | 78  | 75  | 72  | 70  |    |    |   |
| 6   | 88  | 79  | 73  | 69  | 86  | 78  | 73  | 68  | 77  | 72  | 68  | 75  | 71  | 68  | 74  | 70  | 67  | 66  |    |    |   |
| 7   | 84  | 74  | 68  | 64  | 82  | 74  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 62  |    |    |   |
| 8   | 80  | 70  | 64  | 60  | 78  | 70  | 64  | 60  | 69  | 63  | 60  | 67  | 63  | 60  | 67  | 62  | 59  | 58  |    |    |   |
| 9   | 76  | 66  | 61  | 57  | 75  | 66  | 60  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 63  | 59  | 56  | 55  |    |    |   |
| 10  | 73  | 63  | 57  | 53  | 72  | 62  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 60  | 56  | 53  | 52  |    |    |   |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 176017 |
| 5°  | 174224 |
| 10° | 168244 |
| 15° | 155529 |
| 20° | 134202 |
| 25° | 105998 |
| 30° | 75201  |
| 35° | 48479  |
| 40° | 29112  |
| 45° | 16405  |
| 50° | 8836   |
| 55° | 3135   |
| 60° | 2851   |
| 65° | 2750   |
| 70° | 2629   |
| 75° | 2457   |
| 80° | 2273   |
| 85° | 1510   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16405 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.4   | 11.6      |
| 10°-20°   | 189.4  | 29.6      |
| 20°-30°   | 198.5  | 31.0      |
| 30°-40°   | 115.8  | 18.1      |
| 40°-50°   | 43.3   | 6.8       |
| 50°-60°   | 10.2   | 1.6       |
| 60°-70°   | 5.2    | 0.8       |
| 70°-80°   | 3.1    | 0.5       |
| 80°-90°   | 0.9    | 0.1       |
| 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°    | 462.4  | 72.1      |
| 0°-40°    | 578.2  | 90.2      |
| 0°-60°    | 631.8  | 98.6      |
| 0°-90°    | 641.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 641.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 803 |      |
| 5°  | 792 | 74   |
| 15° | 685 | 189  |
| 25° | 438 | 199  |
| 35° | 181 | 116  |
| 45° | 53  | 43   |
| 55° | 8   | 10   |
| 65° | 5   | 5    |
| 75° | 3   | 3    |
| 85° | 1   | 1    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 802.7 |
| 2.5°  | 800.3 |
| 5°    | 791.5 |
| 7.5°  | 777.4 |
| 10°   | 755.6 |
| 12.5° | 725.1 |
| 15°   | 685.1 |
| 17.5° | 634.5 |
| 20°   | 575.1 |
| 22.5° | 508.7 |
| 25°   | 438.1 |
| 27.5° | 365.8 |
| 30°   | 297.0 |
| 32.5° | 234.6 |
| 35°   | 181.1 |
| 37.5° | 137.6 |
| 40°   | 101.7 |
| 42.5° | 72.9  |
| 45°   | 52.9  |
| 47.5° | 38.2  |
| 50°   | 25.9  |
| 52.5° | 14.7  |
| 55°   | 8.2   |
| 57.5° | 7.1   |
| 60°   | 6.5   |
| 62.5° | 5.9   |
| 65°   | 5.3   |
| 67.5° | 4.7   |
| 70°   | 4.1   |
| 72.5° | 3.5   |
| 75°   | 2.9   |
| 77.5° | 2.4   |
| 80°   | 1.8   |
| 82.5° | 1.2   |
| 85°   | 0.6   |
| 87.5° | 0.6   |
| 90°   | 0.0   |

(END OF REPORT)