

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: P1294415

Luminaire Tested: P3AS09R60W2N902750DE010 E3CD1MMS\_3000K

Issue Date: 1/30/2026

**Test Information**

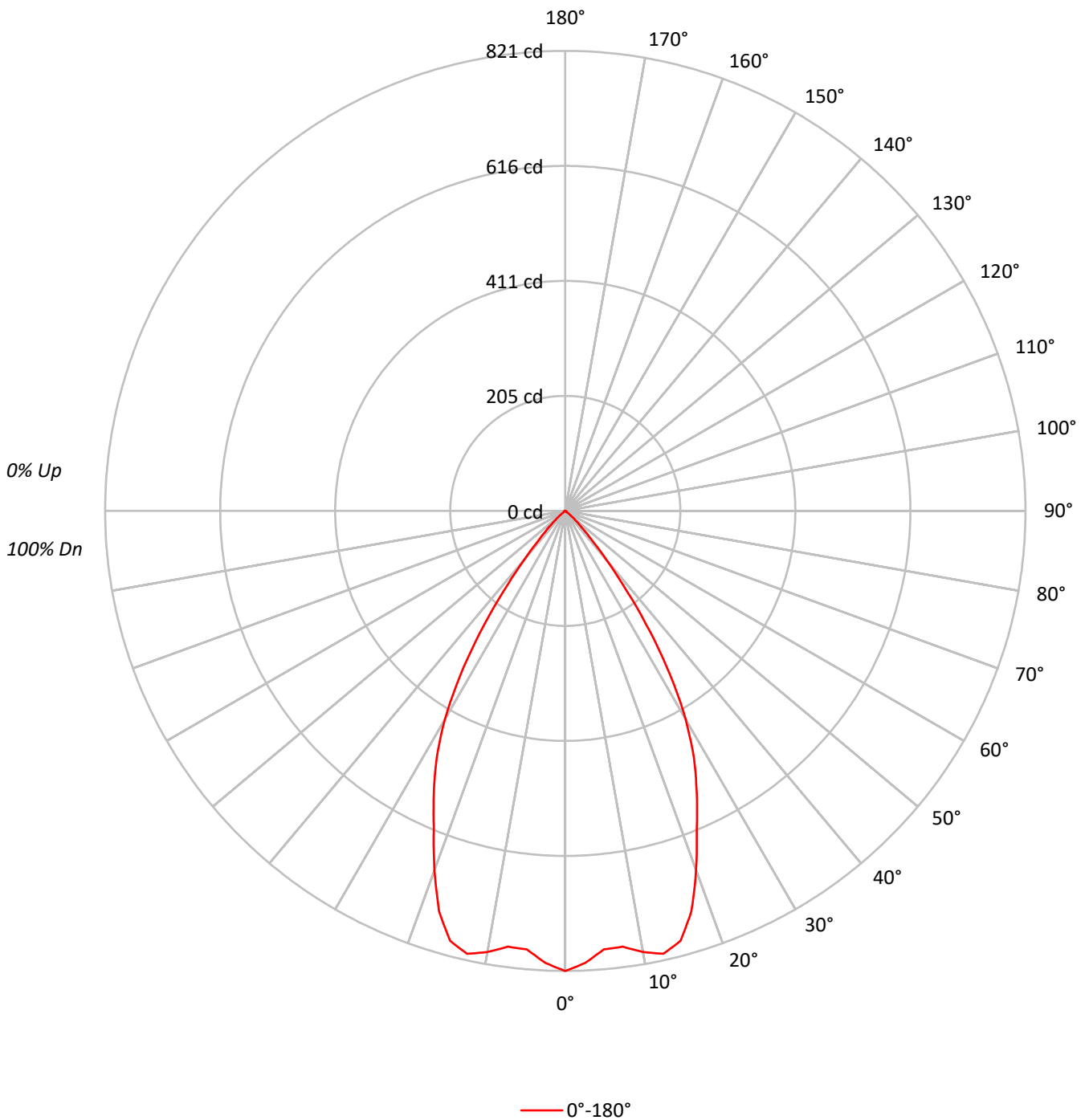
Test Method: LM-79-2019  
Report Number: P1294415  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R60W2N902750DE010 E3CD1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,  
E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 754.0 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91  
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 | 100 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 100 | 98  | 97  | 96  | 95  | 94  | 94  | 94  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 87  | 87  | 87  | 87  |
| 3   | 103 | 96  | 91  | 88  | 101 | 95  | 90  | 87  | 92  | 89  | 85  | 90  | 87  | 84  | 88  | 85  | 83  | 81  | 81  | 81  | 81  |
| 4   | 98  | 90  | 85  | 81  | 96  | 89  | 84  | 80  | 87  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 76  | 76  | 76  | 76  |
| 5   | 93  | 84  | 79  | 74  | 91  | 84  | 78  | 74  | 82  | 77  | 73  | 80  | 76  | 73  | 79  | 75  | 72  | 71  | 71  | 71  | 71  |
| 6   | 88  | 79  | 73  | 69  | 87  | 79  | 73  | 69  | 77  | 72  | 68  | 76  | 71  | 68  | 74  | 70  | 68  | 66  | 66  | 66  | 66  |
| 7   | 84  | 75  | 69  | 64  | 82  | 74  | 68  | 64  | 73  | 68  | 64  | 71  | 67  | 64  | 70  | 66  | 63  | 62  | 62  | 62  | 62  |
| 8   | 80  | 70  | 64  | 60  | 78  | 70  | 64  | 60  | 69  | 64  | 60  | 68  | 63  | 60  | 67  | 63  | 59  | 58  | 58  | 58  | 58  |
| 9   | 76  | 66  | 61  | 57  | 75  | 66  | 60  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 63  | 59  | 56  | 55  | 55  | 55  | 55  |
| 10  | 72  | 63  | 57  | 53  | 71  | 62  | 57  | 53  | 62  | 56  | 53  | 61  | 56  | 53  | 60  | 56  | 53  | 51  | 51  | 51  | 51  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 180051 |
| 5°  | 172903 |
| 10° | 178019 |
| 15° | 180319 |
| 20° | 159217 |
| 25° | 134185 |
| 30° | 108827 |
| 35° | 70885  |
| 40° | 32547  |
| 45° | 12466  |
| 50° | 4162   |
| 55° | 1109   |
| 60° | 1009   |
| 65° | 882    |
| 70° | 769    |
| 75° | 1017   |
| 80° | 758    |
| 85° | 1510   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12466 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 75.6   | 10.0      |
| 10°-20°   | 217.5  | 28.8      |
| 20°-30°   | 253.7  | 33.6      |
| 30°-40°   | 163.7  | 21.7      |
| 40°-50°   | 36.7   | 4.9       |
| 50°-60°   | 3.6    | 0.5       |
| 60°-70°   | 1.7    | 0.2       |
| 70°-80°   | 1.0    | 0.1       |
| 80°-90°   | 0.4    | 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°    | 546.8  | 72.5      |
| 0°-40°    | 710.5  | 94.2      |
| 0°-60°    | 750.8  | 99.6      |
| 0°-90°    | 754.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 754.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 821 |      |
| 5°  | 786 | 76   |
| 15° | 794 | 218  |
| 25° | 555 | 254  |
| 35° | 265 | 164  |
| 45° | 40  | 37   |
| 55° | 3   | 4    |
| 65° | 2   | 2    |
| 75° | 1   | 1    |
| 85° | 1   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 821.1 |
| 2.5°  | 807.7 |
| 5°    | 785.5 |
| 7.5°  | 784.4 |
| 10°   | 799.5 |
| 12.5° | 809.4 |
| 15°   | 794.3 |
| 17.5° | 748.8 |
| 20°   | 682.3 |
| 22.5° | 612.9 |
| 25°   | 554.6 |
| 27.5° | 497.4 |
| 30°   | 429.8 |
| 32.5° | 350.5 |
| 35°   | 264.8 |
| 37.5° | 180.8 |
| 40°   | 113.7 |
| 42.5° | 68.2  |
| 45°   | 40.2  |
| 47.5° | 23.3  |
| 50°   | 12.2  |
| 52.5° | 4.1   |
| 55°   | 2.9   |
| 57.5° | 2.3   |
| 60°   | 2.3   |
| 62.5° | 1.7   |
| 65°   | 1.7   |
| 67.5° | 1.7   |
| 70°   | 1.2   |
| 72.5° | 1.2   |
| 75°   | 1.2   |
| 77.5° | 0.6   |
| 80°   | 0.6   |
| 82.5° | 0.6   |
| 85°   | 0.6   |
| 87.5° | 0.0   |
| 90°   | 0.0   |

(END OF REPORT)