

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: P1291869

Luminaire Tested: P3A09R20W2N902750DE010 E3CB1MMS\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1291869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R20W2N902750DE010 E3CB1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,  
E3CB1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

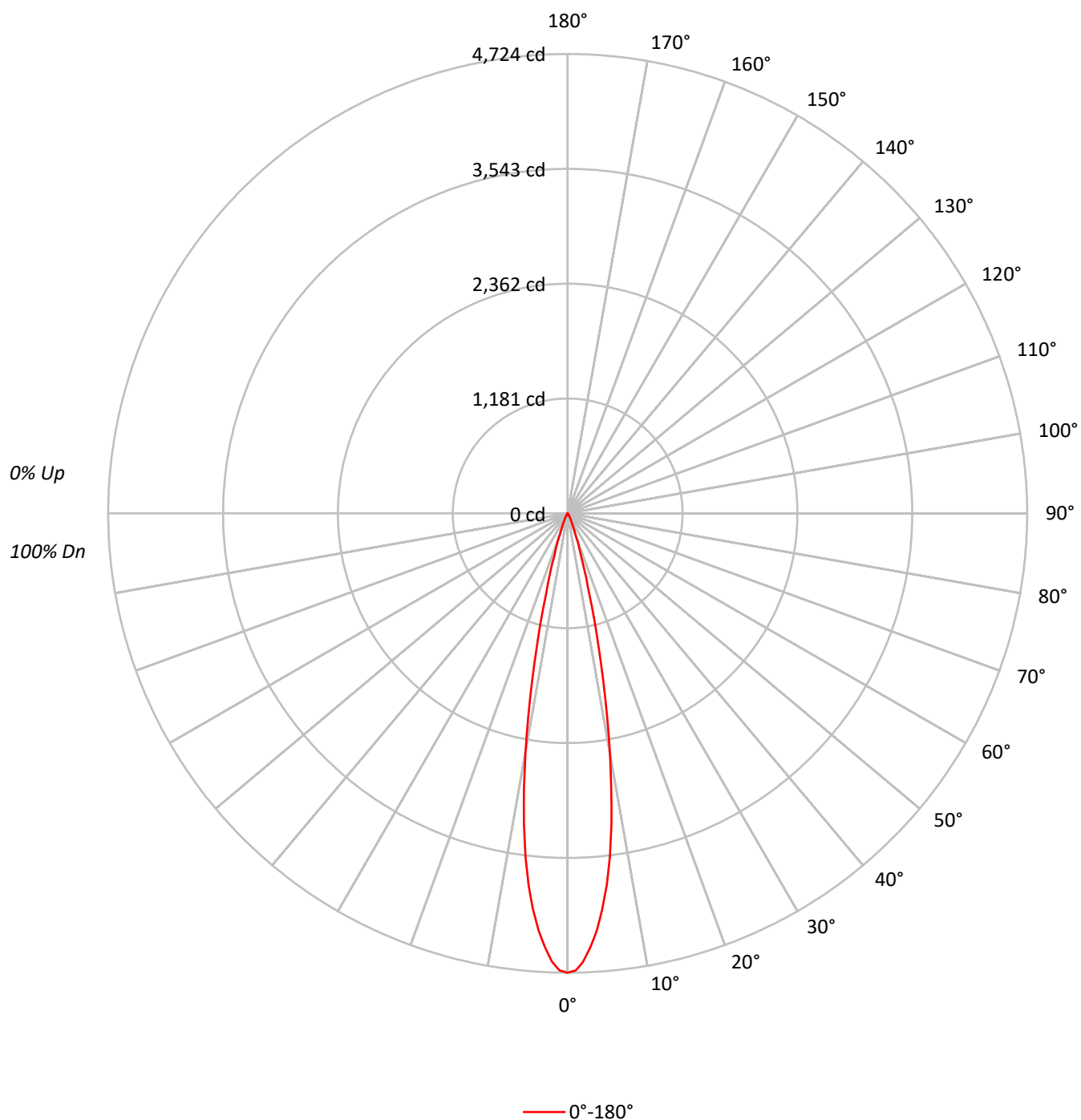
Lumens per Lamp: N/A  
Luminaire Lumens: 667.0 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |  | 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   | 116 | 114 | 112 | 110 | 113 | 112 | 110 | 109 | 108 | 106 | 105 |  | 104 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 112 | 109 | 107 | 104 | 110 | 108 | 105 | 103 | 104 | 103 | 101 |  | 102 | 100 | 99  |  | 99  | 98  | 97  |  | 95  |
| 3   | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99  | 102 | 99  | 97  |  | 99  | 98  | 96  |  | 97  | 96  | 95  |  | 93  |
| 4   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 96  | 99  | 97  | 95  |  | 97  | 95  | 93  |  | 96  | 94  | 92  |  | 91  |
| 5   | 104 | 99  | 96  | 93  | 103 | 98  | 95  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  | 92  | 91  |  | 90  |
| 6   | 102 | 97  | 93  | 91  | 101 | 96  | 93  | 90  | 95  | 92  | 90  |  | 94  | 91  | 89  |  | 93  | 90  | 89  |  | 88  |
| 7   | 100 | 94  | 91  | 88  | 99  | 94  | 91  | 88  | 93  | 90  | 88  |  | 92  | 89  | 87  |  | 91  | 89  | 87  |  | 86  |
| 8   | 98  | 92  | 89  | 86  | 97  | 92  | 89  | 86  | 91  | 88  | 86  |  | 90  | 88  | 86  |  | 89  | 87  | 85  |  | 85  |
| 9   | 96  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  |  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 83  |
| 10  | 94  | 89  | 85  | 83  | 93  | 88  | 85  | 83  | 88  | 85  | 83  |  | 87  | 84  | 83  |  | 86  | 84  | 82  |  | 82  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1035926 |
| 5°  | 899139  |
| 10° | 555568  |
| 15° | 192964  |
| 20° | 59248   |
| 25° | 20953   |
| 30° | 7748    |
| 35° | 3105    |
| 40° | 1660    |
| 45° | 651     |
| 50° | 375     |
| 55° | 421     |
| 60° | 482     |
| 65° | 259     |
| 70° | 321     |
| 75° | 424     |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 651 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 339.0  | 50.8      |
| 10°-20°   | 269.0  | 40.3      |
| 20°-30°   | 46.6   | 7.0       |
| 30°-40°   | 8.5    | 1.3       |
| 40°-50°   | 2.0    | 0.3       |
| 50°-60°   | 1.0    | 0.1       |
| 60°-70°   | 0.6    | 0.1       |
| 70°-80°   | 0.5    | 0.1       |
| 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°    | 654.6  | 98.1      |
| 0°-40°    | 663.0  | 99.4      |
| 0°-60°    | 666.0  | 99.8      |
| 0°-90°    | 667.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 667.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4724 |      |
| 5°  | 4085 | 339  |
| 15° | 850  | 269  |
| 25° | 87   | 47   |
| 35° | 12   | 8    |
| 45° | 2    | 2    |
| 55° | 1    | 1    |
| 65° | 0    | 1    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 4724.2 |
| 1°    | 4701.5 |
| 2°    | 4611.7 |
| 3°    | 4467.6 |
| 4°    | 4298.7 |
| 5°    | 4084.8 |
| 6°    | 3839.9 |
| 7°    | 3554.8 |
| 8°    | 3230.1 |
| 9°    | 2865.3 |
| 10°   | 2495.1 |
| 12.5° | 1573.9 |
| 15°   | 850.0  |
| 17.5° | 454.0  |
| 20°   | 253.9  |
| 22.5° | 145.2  |
| 25°   | 86.6   |
| 27.5° | 52.8   |
| 30°   | 30.6   |
| 32.5° | 18.0   |
| 35°   | 11.6   |
| 37.5° | 7.9    |
| 40°   | 5.8    |
| 42.5° | 3.7    |
| 45°   | 2.1    |
| 47.5° | 1.1    |
| 50°   | 1.1    |
| 52.5° | 1.1    |
| 55°   | 1.1    |
| 57.5° | 1.1    |
| 60°   | 1.1    |
| 62.5° | 0.5    |
| 65°   | 0.5    |
| 67.5° | 0.5    |
| 70°   | 0.5    |
| 72.5° | 0.5    |
| 75°   | 0.5    |
| 77.5° | 0.5    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)