

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: P1299475

Luminaire Tested: P3A17R20W2N902750DE010 E3CD1MMS\_3000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1299475  
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: P3A17R20W2N902750DE010 E3CD1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

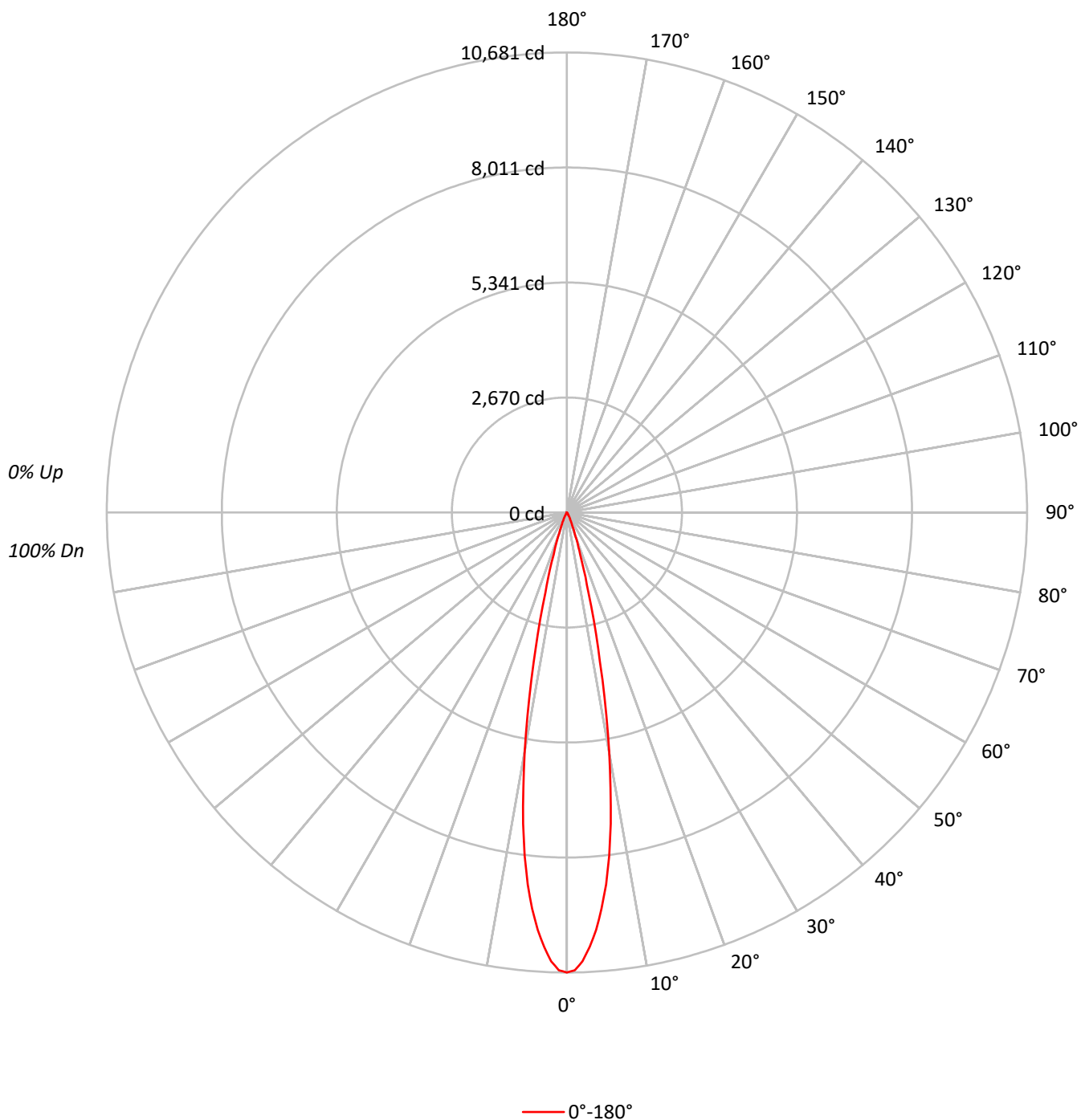
Lumens per Lamp: N/A  
Luminaire Lumens: 1508.0 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.4  
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 |  |  |  | 20 |  |  |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |    |    | 0  |  |  |  | 0  |  |  |  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 0  |  |  |  | 0  |  |  |  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |  |  |    |  |  |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |  |  |  |    |  |  |  | 100 |
| 1   | 116 | 114 | 112 | 110 | 113 | 112 | 110 | 109 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  |    |    |    |  |  |  |    |  |  |  | 98  |
| 2   | 112 | 109 | 107 | 104 | 110 | 108 | 105 | 103 | 104 | 103 | 101 | 102 | 100 | 99  | 99  | 98  | 97  | 95  |    |    |    |  |  |  |    |  |  |  | 95  |
| 3   | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99  | 102 | 99  | 97  | 99  | 98  | 96  | 97  | 96  | 95  | 93  |    |    |    |  |  |  |    |  |  |  | 93  |
| 4   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 96  | 99  | 97  | 95  | 97  | 95  | 93  | 96  | 94  | 92  | 91  |    |    |    |  |  |  |    |  |  |  | 91  |
| 5   | 104 | 99  | 96  | 93  | 103 | 98  | 95  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 91  | 90  |    |    |    |  |  |  |    |  |  |  | 90  |
| 6   | 102 | 97  | 93  | 91  | 101 | 96  | 93  | 90  | 95  | 92  | 90  | 94  | 91  | 89  | 93  | 90  | 89  | 88  |    |    |    |  |  |  |    |  |  |  | 88  |
| 7   | 100 | 94  | 91  | 88  | 99  | 94  | 91  | 88  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 86  |    |    |    |  |  |  |    |  |  |  | 86  |
| 8   | 98  | 92  | 89  | 86  | 97  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 88  | 86  | 89  | 87  | 85  | 85  |    |    |    |  |  |  |    |  |  |  | 85  |
| 9   | 96  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 83  |    |    |    |  |  |  |    |  |  |  | 83  |
| 10  | 94  | 89  | 85  | 83  | 93  | 88  | 85  | 83  | 88  | 85  | 83  | 87  | 84  | 83  | 86  | 84  | 82  | 82  |    |    |    |  |  |  |    |  |  |  | 82  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 2342093 |
| 5°  | 2032858 |
| 10° | 1256089 |
| 15° | 436279  |
| 20° | 133968  |
| 25° | 47374   |
| 30° | 17522   |
| 35° | 7040    |
| 40° | 3750    |
| 45° | 1489    |
| 50° | 819     |
| 55° | 918     |
| 60° | 1053    |
| 65° | 623     |
| 70° | 769     |
| 75° | 1017    |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1489 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 766.5  | 50.8      |
| 10°-20°   | 608.1  | 40.3      |
| 20°-30°   | 105.3  | 7.0       |
| 30°-40°   | 19.1   | 1.3       |
| 40°-50°   | 4.4    | 0.3       |
| 50°-60°   | 2.2    | 0.1       |
| 60°-70°   | 1.3    | 0.1       |
| 70°-80°   | 1.1    | 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°    | 1479.9 | 98.1      |
| 0°-40°    | 1499.0 | 99.4      |
| 0°-60°    | 1505.6 | 99.8      |
| 0°-90°    | 1508.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1508.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 10681 |      |
| 5°  | 9235  | 766  |
| 15° | 1922  | 608  |
| 25° | 196   | 105  |
| 35° | 26    | 19   |
| 45° | 5     | 4    |
| 55° | 2     | 2    |
| 65° | 1     | 1    |
| 75° | 1     | 1    |
| 85° | 0     | 0    |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 10680.8 |
| 1°    | 10629.5 |
| 2°    | 10426.6 |
| 3°    | 10100.7 |
| 4°    | 9718.7  |
| 5°    | 9235.3  |
| 6°    | 8681.4  |
| 7°    | 8036.9  |
| 8°    | 7302.8  |
| 9°    | 6478.0  |
| 10°   | 5641.2  |
| 12.5° | 3558.3  |
| 15°   | 1921.8  |
| 17.5° | 1026.5  |
| 20°   | 574.1   |
| 22.5° | 328.3   |
| 25°   | 195.8   |
| 27.5° | 119.4   |
| 30°   | 69.2    |
| 32.5° | 40.6    |
| 35°   | 26.3    |
| 37.5° | 17.9    |
| 40°   | 13.1    |
| 42.5° | 8.4     |
| 45°   | 4.8     |
| 47.5° | 2.4     |
| 50°   | 2.4     |
| 52.5° | 2.4     |
| 55°   | 2.4     |
| 57.5° | 2.4     |
| 60°   | 2.4     |
| 62.5° | 1.2     |
| 65°   | 1.2     |
| 67.5° | 1.2     |
| 70°   | 1.2     |
| 72.5° | 1.2     |
| 75°   | 1.2     |
| 77.5° | 1.2     |
| 80°   | 0.0     |
| 82.5° | 0.0     |
| 85°   | 0.0     |
| 87.5° | 0.0     |
| 90°   | 0.0     |

(END OF REPORT)