

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: P1299493

Luminaire Tested: P3A17R20W2N902750DE010 E3D1LI\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1299493  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R20W2N902750DE010 E3D1LI\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,  
E3D1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

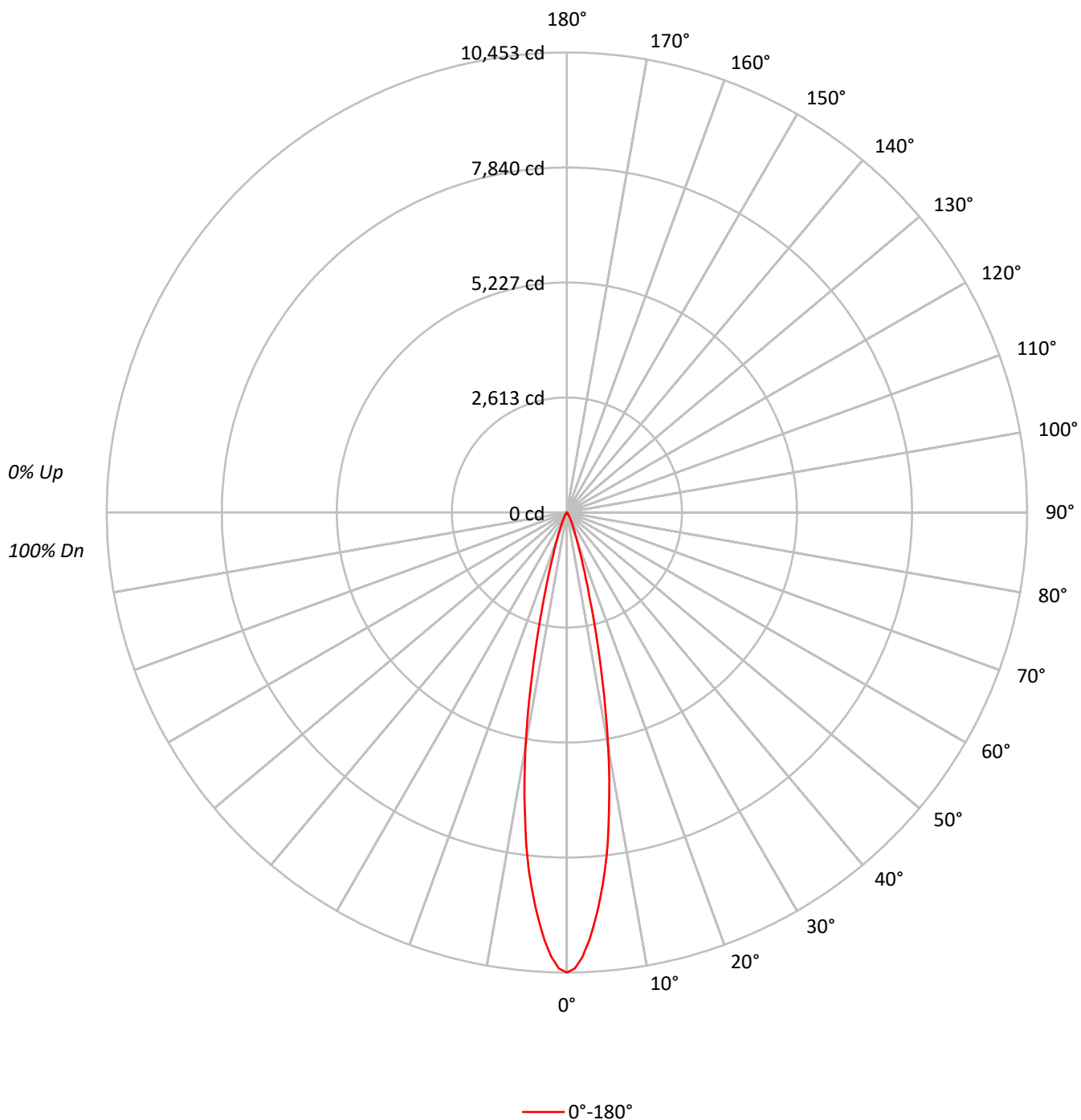
Lumens per Lamp: N/A  
Luminaire Lumens: 1511.0 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 |
| RC  | 80  |     |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |  |  | 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   | 115 | 114 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 97  |  |  |    |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 98  | 96  | 95  |  |  |    |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 93  |  |  |    |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 95  | 93  | 95  | 93  | 92  | 91  |  |  |    |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 90  | 89  |  |  |    |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 89  | 88  | 87  |  |  |    |
| 7   | 99  | 93  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 85  |  |  |    |
| 8   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 88  | 86  | 84  | 83  |  |  |    |
| 9   | 95  | 89  | 85  | 83  | 94  | 89  | 85  | 83  | 88  | 85  | 83  | 87  | 84  | 83  | 87  | 84  | 82  | 81  |  |  |    |
| 10  | 93  | 87  | 84  | 81  | 92  | 87  | 83  | 81  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 80  |  |  |    |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 2292075 |
| 5°  | 1929821 |
| 10° | 1205344 |
| 15° | 450627  |
| 20° | 154690  |
| 25° | 64455   |
| 30° | 30359   |
| 35° | 13599   |
| 40° | 6412    |
| 45° | 3287    |
| 50° | 1194    |
| 55° | 229     |
| 60° | 263     |
| 65° | 311     |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 3287 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 729.1  | 48.3      |
| 10°-20°   | 600.5  | 39.7      |
| 20°-30°   | 136.5  | 9.0       |
| 30°-40°   | 34.7   | 2.3       |
| 40°-50°   | 8.7    | 0.6       |
| 50°-60°   | 1.1    | 0.1       |
| 60°-70°   | 0.4    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 1466.1 | 97.0      |
| 0°-40°    | 1500.8 | 99.3      |
| 0°-60°    | 1510.6 | 100.0     |
| 0°-90°    | 1511.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1511.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 10453 |      |
| 5°  | 8767  | 729  |
| 15° | 1985  | 601  |
| 25° | 266   | 136  |
| 35° | 51    | 35   |
| 45° | 11    | 9    |
| 55° | 1     | 1    |
| 65° | 1     | 0    |
| 75° | 0     | 0    |
| 85° | 0     | 0    |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 10452.7 |
| 1°    | 10364.0 |
| 2°    | 10102.9 |
| 3°    | 9728.4  |
| 4°    | 9268.7  |
| 5°    | 8767.2  |
| 6°    | 8208.3  |
| 7°    | 7591.5  |
| 8°    | 6871.9  |
| 9°    | 6158.9  |
| 10°   | 5413.3  |
| 11°   | 4619.9  |
| 12°   | 3827.7  |
| 13°   | 3156.5  |
| 14°   | 2514.9  |
| 15°   | 1985.0  |
| 16°   | 1566.7  |
| 17°   | 1235.9  |
| 18°   | 993.1   |
| 19°   | 807.6   |
| 20°   | 662.9   |
| 21°   | 554.2   |
| 22°   | 462.6   |
| 23°   | 384.6   |
| 24°   | 320.8   |
| 25°   | 266.4   |
| 27.5° | 174.3   |
| 30°   | 119.9   |
| 32.5° | 73.8    |
| 35°   | 50.8    |
| 37.5° | 32.5    |
| 40°   | 22.4    |
| 42.5° | 15.4    |
| 45°   | 10.6    |
| 47.5° | 7.1     |
| 50°   | 3.5     |
| 52.5° | 1.8     |
| 55°   | 0.6     |
| 57.5° | 0.6     |
| 60°   | 0.6     |
| 62.5° | 0.6     |
| 65°   | 0.6     |
| 67.5° | 0.0     |
| 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)