

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: P1297597

Luminaire Tested: P3A13R50W2N902750DE010 E3D1WH\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297597  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R50W2N902750DE010 E3D1WH\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,  
E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

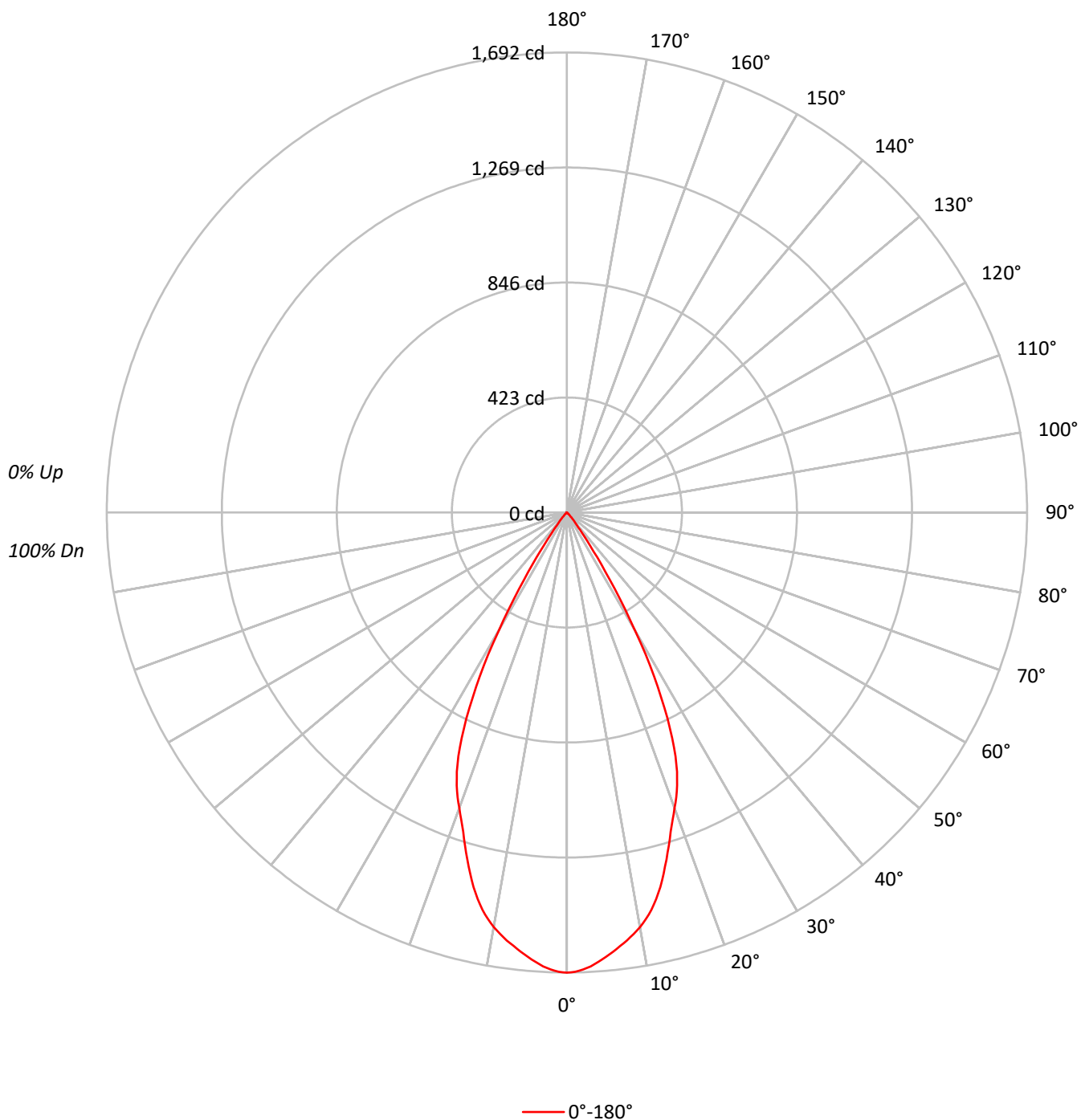
Lumens per Lamp: N/A  
Luminaire Lumens: 1062.0 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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

TEST NUMBER: P1297597

CATALOG NUMBER: P3A13R50W2N902750DE010 E3D1WH\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1297597

CATALOG NUMBER: P3A13R50W2N902750DE010 E3D1WH\_3000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 105 | 104 | 102 | 102 | 101 | 99  | 98  | 97  | 97  | 95  |    |    |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 90  |    |    |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 88  | 86  | 85  |    |    |
| 4   | 100 | 94  | 89  | 85  | 99  | 92  | 88  | 85  | 90  | 87  | 84  | 88  | 85  | 83  | 87  | 84  | 82  | 80  |    |    |
| 5   | 96  | 89  | 84  | 80  | 94  | 88  | 83  | 79  | 86  | 82  | 79  | 84  | 81  | 78  | 83  | 80  | 77  | 76  |    |    |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 72  |    |    |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 70  | 77  | 73  | 70  | 76  | 72  | 70  | 68  |    |    |
| 8   | 84  | 76  | 71  | 67  | 83  | 76  | 71  | 67  | 75  | 70  | 67  | 74  | 69  | 66  | 73  | 69  | 66  | 65  |    |    |
| 9   | 81  | 73  | 67  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 70  | 66  | 63  | 62  |    |    |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 60  | 67  | 63  | 60  | 67  | 63  | 60  | 59  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 371133 |
| 5°  | 361236 |
| 10° | 344728 |
| 15° | 312079 |
| 20° | 269990 |
| 25° | 221481 |
| 30° | 127235 |
| 35° | 39511  |
| 40° | 10620  |
| 45° | 3721   |
| 50° | 887    |
| 55° | 268    |
| 60° | 175    |
| 65° | 208    |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 3721 cd/sqm

TEST NUMBER: P1297597

CATALOG NUMBER: P3A13R50W2N902750DE010 E3D1WH\_3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 153.7  | 14.5      |
| 10°-20°   | 380.9  | 35.9      |
| 20°-30°   | 400.4  | 37.7      |
| 30°-40°   | 114.6  | 10.8      |
| 40°-50°   | 11.2   | 1.1       |
| 50°-60°   | 0.9    | 0.1       |
| 60°-70°   | 0.3    | 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°    | 935.0  | 88.0      |
| 0°-40°    | 1049.6 | 98.8      |
| 0°-60°    | 1061.6 | 100.0     |
| 0°-90°    | 1062.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1062.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1692 |      |
| 5°  | 1641 | 154  |
| 15° | 1375 | 381  |
| 25° | 915  | 400  |
| 35° | 148  | 115  |
| 45° | 12   | 11   |
| 55° | 1    | 1    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

TEST NUMBER: P1297597

CATALOG NUMBER: P3A13R50W2N902750DE010 E3D1WH\_3000K

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1692.5 |
| 1°    | 1689.9 |
| 2°    | 1682.4 |
| 3°    | 1671.5 |
| 4°    | 1656.9 |
| 5°    | 1641.1 |
| 6°    | 1624.3 |
| 7°    | 1606.3 |
| 8°    | 1589.4 |
| 9°    | 1569.9 |
| 10°   | 1548.2 |
| 11°   | 1523.1 |
| 12°   | 1494.3 |
| 13°   | 1458.3 |
| 14°   | 1419.3 |
| 15°   | 1374.7 |
| 16°   | 1327.5 |
| 17°   | 1281.8 |
| 18°   | 1235.0 |
| 19°   | 1193.8 |
| 20°   | 1157.0 |
| 21°   | 1121.8 |
| 22°   | 1081.7 |
| 23°   | 1035.6 |
| 24°   | 981.7  |
| 25°   | 915.4  |
| 26°   | 843.4  |
| 27°   | 763.2  |
| 28°   | 683.4  |
| 29°   | 597.3  |
| 30°   | 502.5  |
| 31°   | 413.7  |
| 32°   | 332.0  |
| 32.5° | 296.4  |
| 33°   | 260.4  |
| 34°   | 199.7  |
| 35°   | 147.6  |
| 36°   | 108.3  |
| 37°   | 80.6   |
| 37.5° | 69.7   |
| 38°   | 60.3   |
| 39°   | 46.8   |
| 40°   | 37.1   |
| 42.5° | 21.0   |
| 45°   | 12.0   |



TEST NUMBER: P1297597

CATALOG NUMBER: P3A13R50W2N902750DE010 E3D1WH\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 6.7 |
| 50°   | 2.6 |
| 52.5° | 1.1 |
| 55°   | 0.7 |
| 57.5° | 0.7 |
| 60°   | 0.4 |
| 62.5° | 0.4 |
| 65°   | 0.4 |
| 67.5° | 0.4 |
| 70°   | 0.0 |
| 72.5° | 0.0 |
| 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)