

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: P1297690

Luminaire Tested: P3A13R50W2N902750DE010 E3DLP1WH\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297690  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R50W2N902750DE010 E3DLP1WH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,  
E3DLP1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

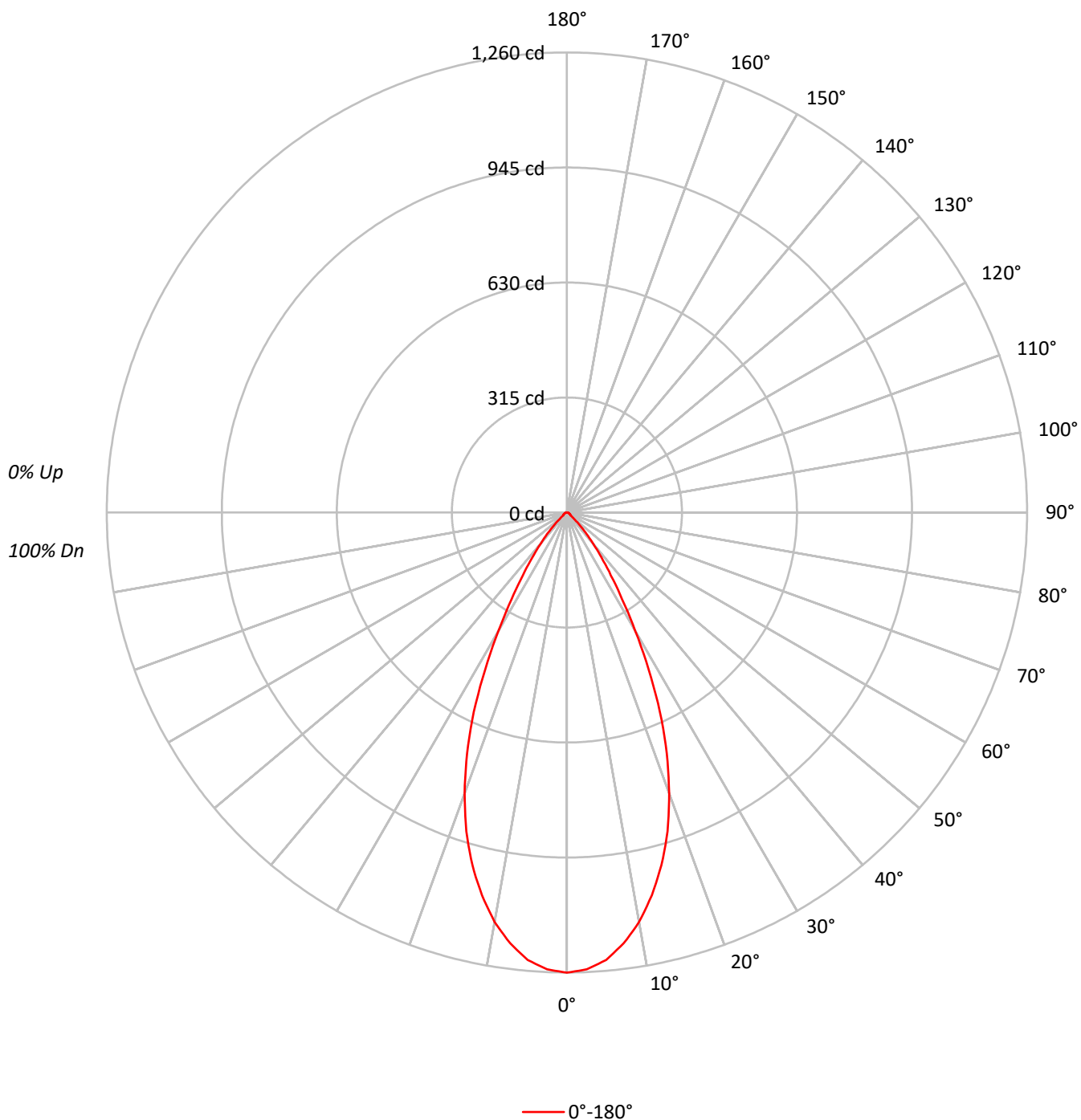
Lumens per Lamp: N/A  
Luminaire Lumens: 868.0 lumens  
Efficiency: N/A  
Efficacy: 70.6 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1297690

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLP1WH\_5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1297690

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLP1WH\_5000K

**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 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 94  |    |    |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 87  |    |    |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 84  | 88  | 85  | 83  | 82  |    |    |
| 4   | 98  | 91  | 85  | 81  | 96  | 90  | 85  | 81  | 87  | 83  | 80  | 85  | 82  | 79  | 84  | 80  | 78  | 76  |    |    |
| 5   | 93  | 85  | 80  | 75  | 92  | 84  | 79  | 75  | 83  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 72  |    |    |
| 6   | 89  | 80  | 75  | 71  | 88  | 80  | 74  | 70  | 78  | 73  | 70  | 77  | 73  | 69  | 75  | 72  | 69  | 67  |    |    |
| 7   | 85  | 76  | 70  | 66  | 84  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 64  |    |    |
| 8   | 81  | 72  | 66  | 62  | 80  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 62  | 68  | 64  | 61  | 60  |    |    |
| 9   | 78  | 68  | 63  | 59  | 76  | 68  | 62  | 59  | 67  | 62  | 59  | 66  | 62  | 58  | 65  | 61  | 58  | 57  |    |    |
| 10  | 74  | 65  | 59  | 56  | 73  | 65  | 59  | 56  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 55  | 54  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 276359 |
| 5°  | 270790 |
| 10° | 253636 |
| 15° | 227061 |
| 20° | 191070 |
| 25° | 145823 |
| 30° | 94774  |
| 35° | 56189  |
| 40° | 32461  |
| 45° | 16281  |
| 50° | 6072   |
| 55° | 4702   |
| 60° | 4386   |
| 65° | 3995   |
| 70° | 3975   |
| 75° | 3897   |
| 80° | 3915   |
| 85° | 3774   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16281 cd/sqm

TEST NUMBER: P1297690

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLP1WH\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 114.5  | 13.2      |
| 10°-20°   | 276.6  | 31.9      |
| 20°-30°   | 271.3  | 31.3      |
| 30°-40°   | 136.7  | 15.7      |
| 40°-50°   | 43.2   | 5.0       |
| 50°-60°   | 11.2   | 1.3       |
| 60°-70°   | 7.9    | 0.9       |
| 70°-80°   | 4.9    | 0.6       |
| 80°-90°   | 1.7    | 0.2       |
| 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°    | 662.4  | 76.3      |
| 0°-40°    | 799.1  | 92.1      |
| 0°-60°    | 853.5  | 98.3      |
| 0°-90°    | 868.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 868.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1260 |      |
| 5°  | 1230 | 114  |
| 15° | 1000 | 277  |
| 25° | 603  | 271  |
| 35° | 210  | 137  |
| 45° | 52   | 43   |
| 55° | 12   | 11   |
| 65° | 8    | 8    |
| 75° | 5    | 5    |
| 85° | 2    | 2    |
| 90° | 0    |      |

TEST NUMBER: P1297690

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLP1WH\_5000K

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1260.3 |
| 2.5°  | 1252.6 |
| 5°    | 1230.2 |
| 7.5°  | 1190.1 |
| 10°   | 1139.1 |
| 12.5° | 1073.5 |
| 15°   | 1000.2 |
| 17.5° | 915.3  |
| 20°   | 818.8  |
| 22.5° | 714.6  |
| 25°   | 602.7  |
| 27.5° | 483.9  |
| 30°   | 374.3  |
| 32.5° | 281.7  |
| 35°   | 209.9  |
| 37.5° | 155.1  |
| 40°   | 113.4  |
| 42.5° | 80.3   |
| 45°   | 52.5   |
| 47.5° | 30.1   |
| 50°   | 17.8   |
| 52.5° | 13.1   |
| 55°   | 12.3   |
| 57.5° | 10.8   |
| 60°   | 10.0   |
| 62.5° | 9.3    |
| 65°   | 7.7    |
| 67.5° | 6.9    |
| 70°   | 6.2    |
| 72.5° | 5.4    |
| 75°   | 4.6    |
| 77.5° | 3.9    |
| 80°   | 3.1    |
| 82.5° | 2.3    |
| 85°   | 1.5    |
| 87.5° | 0.8    |
| 90°   | 0.0    |

(END OF REPORT)