

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: P1297663

Luminaire Tested: P3AS13R50W2N902750DE010 E3DLD1WMH\_3500K

Issue Date: 1/30/2026

**Test Information**

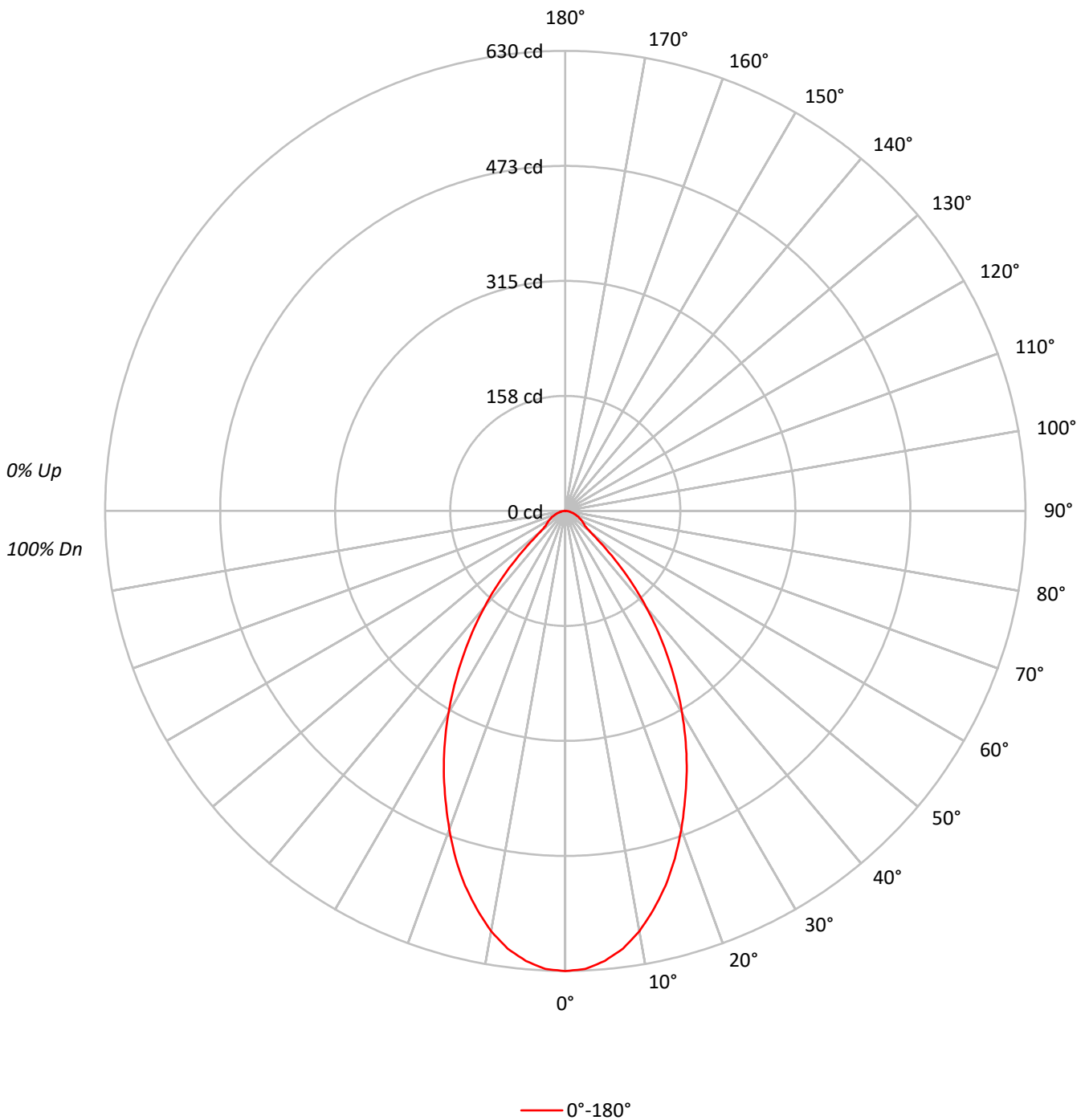
Test Method: LM-79-2019  
Report Number: P1297663  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R50W2N902750DE010 E3DLD1WMH\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,  
E3DLD1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 680.0 lumens  
Efficiency: N/A  
Efficacy: 55.3 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
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: P1297663  
CATALOG NUMBER: P3AS13R50W2N902750DE010 E3DLD1WMH\_3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P1297663

CATALOG NUMBER: P3AS13R50W2N902750DE010 E3DLD1WMH\_3500K

**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  | 50  | 30 | 10 | 0  |     |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    | 100 |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 95  | 94  | 93  | 91  |    |    |    | 91  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 83  |    |    |    | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 75  |    |    |    | 75  |
| 4   | 93  | 85  | 78  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 69  |    |    |    | 69  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 66  | 75  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 64  | 63  |    |    |    | 63  |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 65  | 61  | 70  | 65  | 60  | 69  | 64  | 60  | 67  | 63  | 59  | 58  |    |    |    | 58  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 63  | 59  | 55  | 53  |    |    |    | 53  |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 51  | 59  | 55  | 51  | 50  |    |    |    | 50  |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 46  |    |    |    | 46  |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  | 54  | 48  | 45  | 53  | 48  | 45  | 43  |    |    |    | 43  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 138191 |
| 5°  | 136165 |
| 10° | 130125 |
| 15° | 120523 |
| 20° | 108299 |
| 25° | 95207  |
| 30° | 80974  |
| 35° | 65638  |
| 40° | 49321  |
| 45° | 31755  |
| 50° | 15078  |
| 55° | 11851  |
| 60° | 11227  |
| 65° | 10481  |
| 70° | 9425   |
| 75° | 8557   |
| 80° | 7829   |
| 85° | 7799   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31755 cd/sqm



TEST NUMBER: P1297663

CATALOG NUMBER: P3AS13R50W2N902750DE010 E3DLD1WMH\_3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.0   | 8.5       |
| 10°-20°   | 148.0  | 21.8      |
| 20°-30°   | 179.8  | 26.4      |
| 30°-40°   | 152.5  | 22.4      |
| 40°-50°   | 79.2   | 11.6      |
| 50°-60°   | 28.5   | 4.2       |
| 60°-70°   | 19.8   | 2.9       |
| 70°-80°   | 10.7   | 1.6       |
| 80°-90°   | 3.4    | 0.5       |
| 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       |
| 0°-30°    | 385.8  | 56.7      |
| 0°-40°    | 538.3  | 79.2      |
| 0°-60°    | 646.1  | 95.0      |
| 0°-90°    | 680.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 680.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 630 |      |
| 5°  | 619 | 58   |
| 15° | 531 | 148  |
| 25° | 394 | 180  |
| 35° | 245 | 153  |
| 45° | 102 | 79   |
| 55° | 31  | 29   |
| 65° | 20  | 20   |
| 75° | 10  | 11   |
| 85° | 3   | 3    |
| 90° | 0   |      |



TEST NUMBER: P1297663  
CATALOG NUMBER: P3AS13R50W2N902750DE010 E3DLD1WMH\_3500K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 630.2 |
| 2.5°  | 627.9 |
| 5°    | 618.6 |
| 7.5°  | 604.6 |
| 10°   | 584.4 |
| 12.5° | 558.8 |
| 15°   | 530.9 |
| 17.5° | 499.0 |
| 20°   | 464.1 |
| 22.5° | 428.4 |
| 25°   | 393.5 |
| 27.5° | 357.0 |
| 30°   | 319.8 |
| 32.5° | 282.5 |
| 35°   | 245.2 |
| 37.5° | 208.8 |
| 40°   | 172.3 |
| 42.5° | 137.4 |
| 45°   | 102.4 |
| 47.5° | 68.3  |
| 50°   | 44.2  |
| 52.5° | 34.1  |
| 55°   | 31.0  |
| 57.5° | 27.9  |
| 60°   | 25.6  |
| 62.5° | 22.5  |
| 65°   | 20.2  |
| 67.5° | 17.1  |
| 70°   | 14.7  |
| 72.5° | 12.4  |
| 75°   | 10.1  |
| 77.5° | 7.8   |
| 80°   | 6.2   |
| 82.5° | 4.7   |
| 85°   | 3.1   |
| 87.5° | 1.6   |
| 90°   | 0.0   |

(END OF REPORT)