

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: P1295758

Luminaire Tested: P3A13R20W2N902750DE010 E3DLD1MW\_5000K

Issue Date: 1/30/2026

**Test Information**

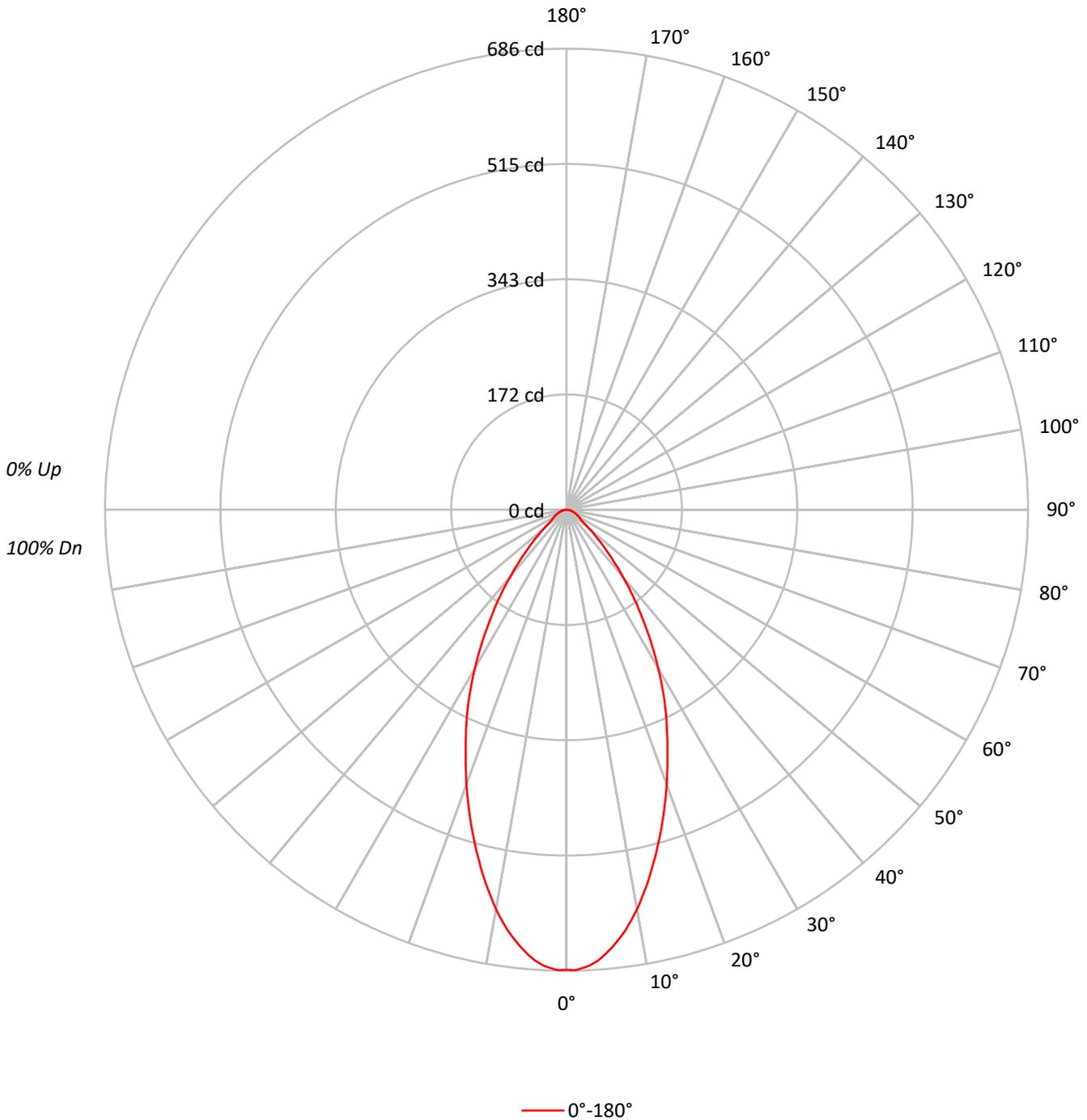
Test Method: LM-79-2019  
Report Number: P1295758  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R20W2N902750DE010 E3DLD1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,  
E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 607.0 lumens  
Efficiency: N/A  
Efficacy: 49.3 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83  
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

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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  |     |     |     | 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   | 113 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 91  |    |    | 91  |
| 2   | 106 | 100 | 96  | 92  | 104 | 99  | 94  | 91  | 95  | 92  | 89  | 92  | 89  | 87  | 90  | 87  | 85  | 83  |    |    | 83  |
| 3   | 100 | 93  | 87  | 82  | 98  | 91  | 86  | 82  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 76  |    |    | 76  |
| 4   | 94  | 86  | 79  | 75  | 92  | 85  | 79  | 74  | 82  | 77  | 73  | 80  | 76  | 72  | 78  | 75  | 72  | 70  |    |    | 70  |
| 5   | 89  | 80  | 73  | 68  | 87  | 79  | 73  | 68  | 77  | 71  | 67  | 75  | 70  | 67  | 73  | 69  | 66  | 65  |    |    | 65  |
| 6   | 84  | 74  | 68  | 63  | 82  | 73  | 67  | 63  | 72  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 61  | 60  |    |    | 60  |
| 7   | 80  | 69  | 63  | 58  | 78  | 69  | 62  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 65  | 60  | 57  | 55  |    |    | 55  |
| 8   | 75  | 65  | 59  | 54  | 74  | 64  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 53  | 61  | 57  | 53  | 52  |    |    | 52  |
| 9   | 72  | 61  | 55  | 50  | 70  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 50  | 48  |    |    | 48  |
| 10  | 68  | 58  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 47  | 45  |    |    | 45  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 150141 |
| 5°  | 146137 |
| 10° | 134422 |
| 15° | 118321 |
| 20° | 101485 |
| 25° | 85263  |
| 30° | 68922  |
| 35° | 52414  |
| 40° | 37298  |
| 45° | 24623  |
| 50° | 15249  |
| 55° | 10016  |
| 60° | 9122   |
| 65° | 8406   |
| 70° | 7886   |
| 75° | 7202   |
| 80° | 6819   |
| 85° | 5787   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24623 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 61.4   | 10.1      |
| 10°-20°   | 145.1  | 23.9      |
| 20°-30°   | 161.1  | 26.5      |
| 30°-40°   | 122.9  | 20.2      |
| 40°-50°   | 62.9   | 10.4      |
| 50°-60°   | 25.8   | 4.3       |
| 60°-70°   | 16.1   | 2.7       |
| 70°-80°   | 9.0    | 1.5       |
| 80°-90°   | 2.6    | 0.4       |
| 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°    | 367.6  | 60.6      |
| 0°-40°    | 490.5  | 80.8      |
| 0°-60°    | 579.2  | 95.4      |
| 0°-90°    | 607.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 607.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 685 |      |
| 5°  | 664 | 61   |
| 15° | 521 | 145  |
| 25° | 352 | 161  |
| 35° | 196 | 123  |
| 45° | 79  | 63   |
| 55° | 26  | 26   |
| 65° | 16  | 16   |
| 75° | 8   | 9    |
| 85° | 2   | 3    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 684.7 |
| 1°    | 685.5 |
| 2°    | 682.4 |
| 3°    | 678.5 |
| 4°    | 672.4 |
| 5°    | 663.9 |
| 6°    | 653.9 |
| 7°    | 643.1 |
| 8°    | 631.5 |
| 9°    | 617.6 |
| 10°   | 603.7 |
| 12.5° | 563.6 |
| 15°   | 521.2 |
| 17.5° | 478.1 |
| 20°   | 434.9 |
| 22.5° | 391.7 |
| 25°   | 352.4 |
| 27.5° | 313.1 |
| 30°   | 272.2 |
| 32.5° | 233.6 |
| 35°   | 195.8 |
| 37.5° | 162.7 |
| 40°   | 130.3 |
| 42.5° | 102.6 |
| 45°   | 79.4  |
| 47.5° | 60.1  |
| 50°   | 44.7  |
| 52.5° | 33.2  |
| 55°   | 26.2  |
| 57.5° | 23.9  |
| 60°   | 20.8  |
| 62.5° | 18.5  |
| 65°   | 16.2  |
| 67.5° | 13.9  |
| 70°   | 12.3  |
| 72.5° | 10.0  |
| 75°   | 8.5   |
| 77.5° | 6.9   |
| 80°   | 5.4   |
| 82.5° | 3.9   |
| 85°   | 2.3   |
| 87.5° | 0.8   |
| 90°   | 0.0   |

(END OF REPORT)