

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: P1301168

Luminaire Tested: P3A17R45W2N902750DE010 E3DLP1GPH\_3500K

Issue Date: 1/30/2026

**Test Information**

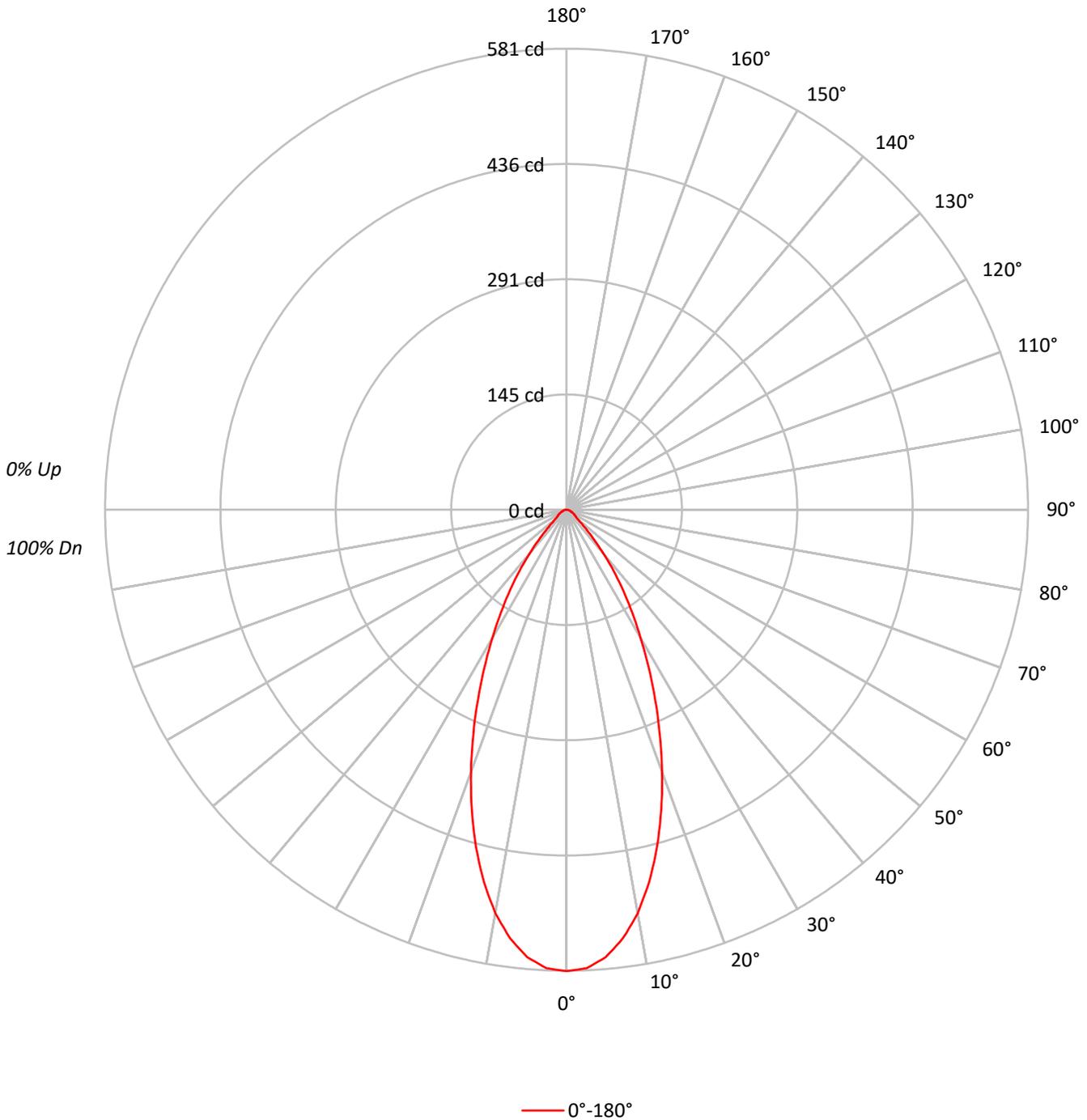
Test Method: LM-79-2019  
Report Number: P1301168  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R45W2N902750DE010 E3DLP1GPH\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3500K CCT AND, 90CRI ,  
E3DLP1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 428.0 lumens  
Efficiency: N/A  
Efficacy: 22.1 lumens/watt  
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76  
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  |     |     |     | 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 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 94  | 93  |    |    | 93  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 86  |    |    | 86  |
| 3   | 102 | 95  | 90  | 85  | 100 | 93  | 89  | 85  | 91  | 87  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 79  |    |    | 79  |
| 4   | 96  | 88  | 83  | 78  | 94  | 87  | 82  | 78  | 85  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 74  |    |    | 74  |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 69  |    |    | 69  |
| 6   | 87  | 78  | 72  | 67  | 85  | 77  | 71  | 67  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 66  | 64  |    |    | 64  |
| 7   | 83  | 73  | 67  | 63  | 81  | 72  | 67  | 63  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 61  | 60  |    |    | 60  |
| 8   | 79  | 69  | 63  | 59  | 77  | 68  | 63  | 59  | 67  | 62  | 58  | 66  | 62  | 58  | 65  | 61  | 58  | 56  |    |    | 56  |
| 9   | 75  | 65  | 59  | 55  | 74  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 55  | 53  |    |    | 53  |
| 10  | 72  | 62  | 56  | 52  | 71  | 61  | 56  | 52  | 61  | 55  | 52  | 60  | 55  | 52  | 59  | 55  | 52  | 50  |    |    | 50  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 127490 |
| 5°  | 124587 |
| 10° | 114917 |
| 15° | 99932  |
| 20° | 82094  |
| 25° | 63875  |
| 30° | 47172  |
| 35° | 33194  |
| 40° | 20725  |
| 45° | 11226  |
| 50° | 6072   |
| 55° | 5199   |
| 60° | 4693   |
| 65° | 3995   |
| 70° | 3398   |
| 75° | 3558   |
| 80° | 3031   |
| 85° | 3019   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11226 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 52.4   | 12.2      |
| 10°-20°   | 121.7  | 28.4      |
| 20°-30°   | 120.8  | 28.2      |
| 30°-40°   | 77.8   | 18.2      |
| 40°-50°   | 30.0   | 7.0       |
| 50°-60°   | 12.2   | 2.8       |
| 60°-70°   | 7.7    | 1.8       |
| 70°-80°   | 4.2    | 1.0       |
| 80°-90°   | 1.3    | 0.3       |
| 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°    | 294.9  | 68.9      |
| 0°-40°    | 372.7  | 87.1      |
| 0°-60°    | 414.9  | 96.9      |
| 0°-90°    | 428.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 428.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 581 |      |
| 5°  | 566 | 52   |
| 15° | 440 | 122  |
| 25° | 264 | 121  |
| 35° | 124 | 78   |
| 45° | 36  | 30   |
| 55° | 14  | 12   |
| 65° | 8   | 8    |
| 75° | 4   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 581.4 |
| 2.5°  | 578.4 |
| 5°    | 566.0 |
| 7.5°  | 544.6 |
| 10°   | 516.1 |
| 12.5° | 480.5 |
| 15°   | 440.2 |
| 17.5° | 396.3 |
| 20°   | 351.8 |
| 22.5° | 306.7 |
| 25°   | 264.0 |
| 27.5° | 223.7 |
| 30°   | 186.3 |
| 32.5° | 153.6 |
| 35°   | 124.0 |
| 37.5° | 97.3  |
| 40°   | 72.4  |
| 42.5° | 52.2  |
| 45°   | 36.2  |
| 47.5° | 24.3  |
| 50°   | 17.8  |
| 52.5° | 14.8  |
| 55°   | 13.6  |
| 57.5° | 11.9  |
| 60°   | 10.7  |
| 62.5° | 8.9   |
| 65°   | 7.7   |
| 67.5° | 6.5   |
| 70°   | 5.3   |
| 72.5° | 4.7   |
| 75°   | 4.2   |
| 77.5° | 3.0   |
| 80°   | 2.4   |
| 82.5° | 1.8   |
| 85°   | 1.2   |
| 87.5° | 0.6   |
| 90°   | 0.0   |

(END OF REPORT)