

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: P1265905

Luminaire Tested: P3A20R509730D010 E3DLD1LI

Issue Date: 1/30/2026

**Test Information**

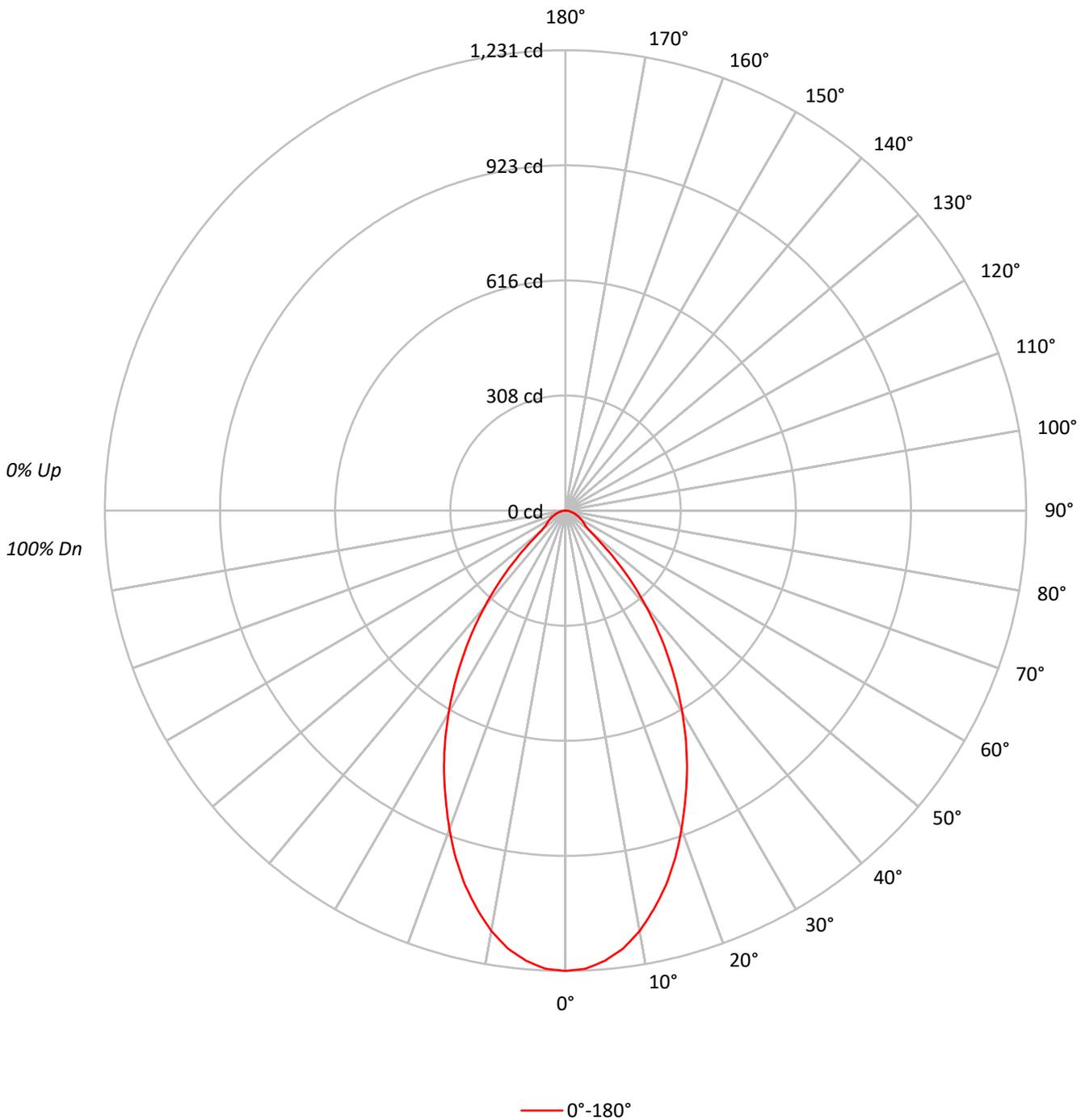
Test Method: LM-79-2019  
Report Number: P1265905  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R509730D010 E3DLD1LI  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1328.0 lumens  
Efficiency: N/A  
Efficacy: 46.1 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): 28.8  
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   | 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°  | 269869 |
| 5°  | 265903 |
| 10° | 254126 |
| 15° | 235348 |
| 20° | 211512 |
| 25° | 185914 |
| 30° | 158126 |
| 35° | 128225 |
| 40° | 96323  |
| 45° | 62053  |
| 50° | 29475  |
| 55° | 23168  |
| 60° | 21928  |
| 65° | 20443  |
| 70° | 18465  |
| 75° | 16691  |
| 80° | 15280  |
| 85° | 15347  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 62053 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 113.2  | 8.5       |
| 10°-20°   | 289.0  | 21.8      |
| 20°-30°   | 351.2  | 26.4      |
| 30°-40°   | 297.8  | 22.4      |
| 40°-50°   | 154.7  | 11.7      |
| 50°-60°   | 55.8   | 4.2       |
| 60°-70°   | 38.6   | 2.9       |
| 70°-80°   | 21.0   | 1.6       |
| 80°-90°   | 6.6    | 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°    | 753.5  | 56.7      |
| 0°-40°    | 1051.3 | 79.2      |
| 0°-60°    | 1261.8 | 95.0      |
| 0°-90°    | 1328.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1328.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1231 |      |
| 5°  | 1208 | 113  |
| 15° | 1037 | 289  |
| 25° | 768  | 351  |
| 35° | 479  | 298  |
| 45° | 200  | 155  |
| 55° | 61   | 56   |
| 65° | 39   | 39   |
| 75° | 20   | 21   |
| 85° | 6    | 7    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1230.7 |
| 2.5°  | 1226.2 |
| 5°    | 1208.0 |
| 7.5°  | 1180.7 |
| 10°   | 1141.3 |
| 12.5° | 1091.3 |
| 15°   | 1036.7 |
| 17.5° | 974.6  |
| 20°   | 906.4  |
| 22.5° | 836.7  |
| 25°   | 768.4  |
| 27.5° | 697.2  |
| 30°   | 624.5  |
| 32.5° | 551.7  |
| 35°   | 479.0  |
| 37.5° | 407.7  |
| 40°   | 336.5  |
| 42.5° | 268.3  |
| 45°   | 200.1  |
| 47.5° | 133.4  |
| 50°   | 86.4   |
| 52.5° | 66.7   |
| 55°   | 60.6   |
| 57.5° | 54.6   |
| 60°   | 50.0   |
| 62.5° | 44.0   |
| 65°   | 39.4   |
| 67.5° | 33.3   |
| 70°   | 28.8   |
| 72.5° | 24.3   |
| 75°   | 19.7   |
| 77.5° | 15.2   |
| 80°   | 12.1   |
| 82.5° | 9.1    |
| 85°   | 6.1    |
| 87.5° | 3.0    |
| 90°   | 0.0    |

(END OF REPORT)