

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: P1247763

Luminaire Tested: P3A20R559024D010 E3DLD1LI

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247763  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R559024D010 E3DLD1LI  
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

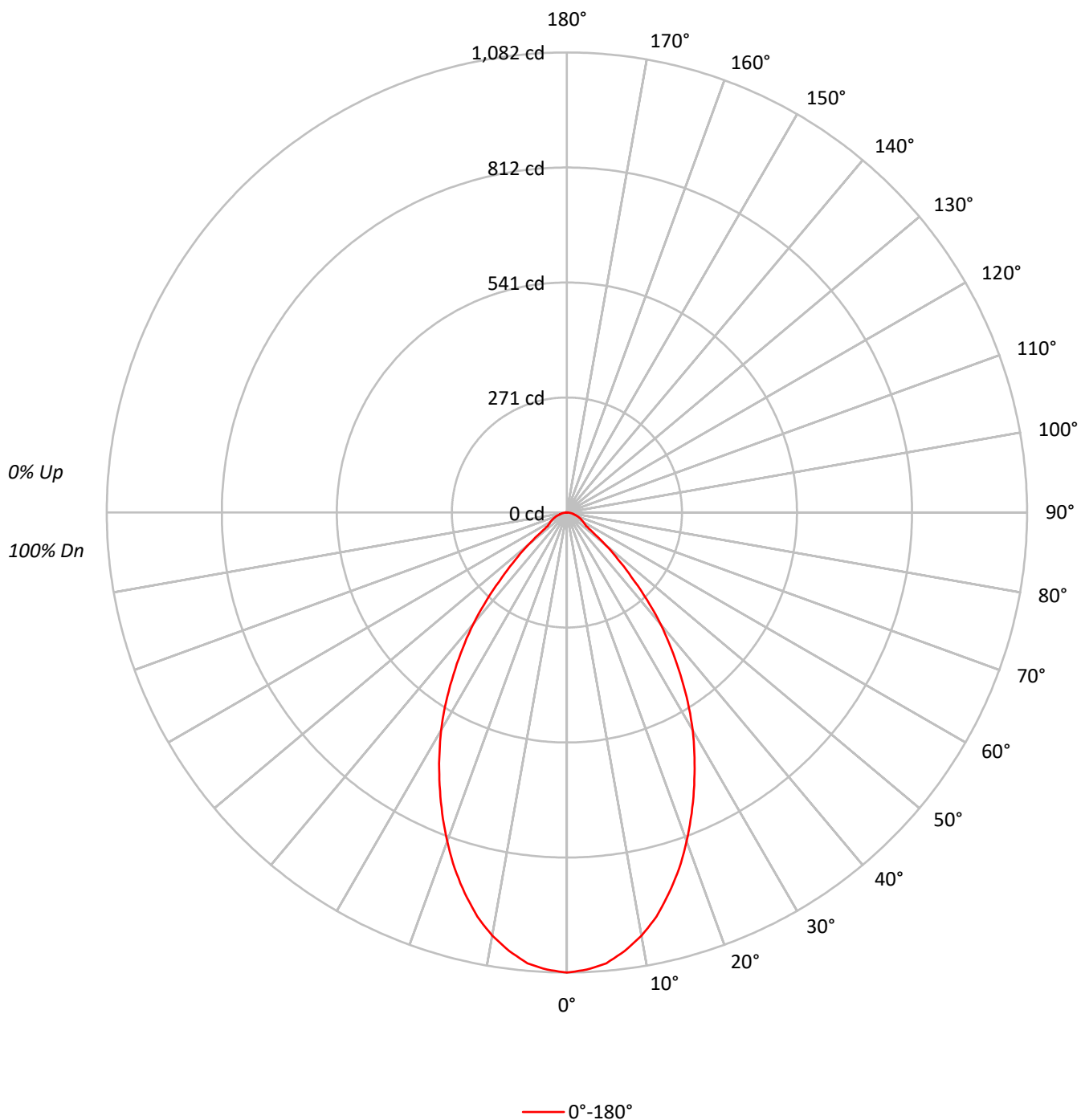
Lumens per Lamp: N/A  
Luminaire Lumens: 1262.0 lumens  
Efficiency: N/A  
Efficacy: 43.8 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1247763

CATALOG NUMBER: P3A20R559024D010 E3DLD1LI

### Luminous Intensity Polar Plot



TEST NUMBER: P1247763

CATALOG NUMBER: P3A20R559024D010 E3DLD1LI

**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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  |  | 99  | 97  | 95  |  | 95  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  |  | 91  | 88  | 86  |  | 89  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  |  | 85  | 81  | 77  |  | 82  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 76  |
| 5   | 87  | 77  | 71  | 66  | 85  | 76  | 70  | 65  | 75  | 69  | 65  |  | 73  | 68  | 64  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 60  | 69  | 64  | 59  |  | 68  | 63  | 59  |  | 66  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  |  | 63  | 58  | 54  |  | 62  |
| 8   | 73  | 62  | 55  | 51  | 72  | 62  | 55  | 51  | 60  | 55  | 50  |  | 59  | 54  | 50  |  | 58  |
| 9   | 69  | 58  | 51  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  |  | 56  | 50  | 46  |  | 55  |
| 10  | 65  | 55  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  |  | 52  | 47  | 43  |  | 52  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 237284 |
| 5°  | 234250 |
| 10° | 225024 |
| 15° | 210467 |
| 20° | 192003 |
| 25° | 171300 |
| 30° | 149821 |
| 35° | 124477 |
| 40° | 98127  |
| 45° | 66550  |
| 50° | 40664  |
| 55° | 21065  |
| 60° | 19604  |
| 65° | 18575  |
| 70° | 17182  |
| 75° | 15166  |
| 80° | 15027  |
| 85° | 11322  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66550 cd/sqm

TEST NUMBER: P1247763

CATALOG NUMBER: P3A20R559024D010 E3DLD1LI

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 99.8   | 7.9       |
| 10°-20°   | 259.1  | 20.5      |
| 20°-30°   | 324.5  | 25.7      |
| 30°-40°   | 289.6  | 23.0      |
| 40°-50°   | 169.6  | 13.4      |
| 50°-60°   | 58.6   | 4.6       |
| 60°-70°   | 35.4   | 2.8       |
| 70°-80°   | 19.7   | 1.6       |
| 80°-90°   | 5.7    | 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°    | 683.4  | 54.2      |
| 0°-40°    | 973.1  | 77.1      |
| 0°-60°    | 1201.2 | 95.2      |
| 0°-90°    | 1262.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1262.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1082 |      |
| 5°  | 1064 | 100  |
| 15° | 927  | 259  |
| 25° | 708  | 324  |
| 35° | 465  | 290  |
| 45° | 215  | 170  |
| 55° | 55   | 59   |
| 65° | 36   | 35   |
| 75° | 18   | 20   |
| 85° | 4    | 6    |
| 90° | 0    |      |

TEST NUMBER: P1247763

CATALOG NUMBER: P3A20R559024D010 E3DLD1LI

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1082.1 |
| 2.5°  | 1076.2 |
| 5°    | 1064.2 |
| 7.5°  | 1040.4 |
| 10°   | 1010.6 |
| 12.5° | 973.3  |
| 15°   | 927.1  |
| 17.5° | 877.9  |
| 20°   | 822.8  |
| 22.5° | 766.1  |
| 25°   | 708.0  |
| 27.5° | 649.9  |
| 30°   | 591.7  |
| 32.5° | 529.1  |
| 35°   | 465.0  |
| 37.5° | 402.4  |
| 40°   | 342.8  |
| 42.5° | 278.7  |
| 45°   | 214.6  |
| 47.5° | 164.0  |
| 50°   | 119.2  |
| 52.5° | 77.5   |
| 55°   | 55.1   |
| 57.5° | 49.2   |
| 60°   | 44.7   |
| 62.5° | 40.2   |
| 65°   | 35.8   |
| 67.5° | 31.3   |
| 70°   | 26.8   |
| 72.5° | 22.4   |
| 75°   | 17.9   |
| 77.5° | 14.9   |
| 80°   | 11.9   |
| 82.5° | 7.5    |
| 85°   | 4.5    |
| 87.5° | 3.0    |
| 90°   | 0.0    |

(END OF REPORT)