

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: P1270668

Luminaire Tested: P3A20R509740D010 E3DLP1H

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1270668  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R509740D010 E3DLP1H  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DLP1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

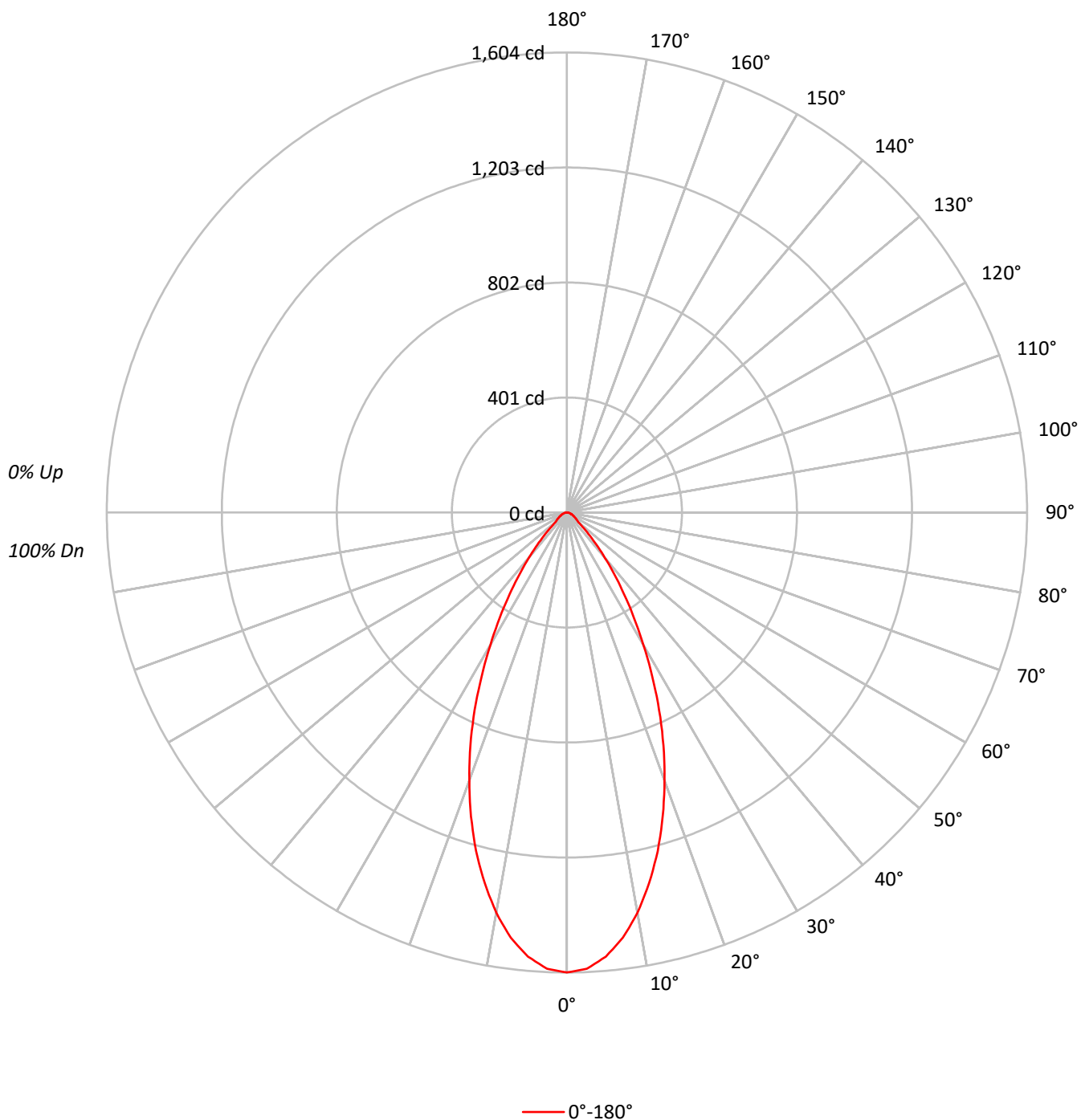
Lumens per Lamp: N/A  
Luminaire Lumens: 1209.1 lumens  
Efficiency: N/A  
Efficacy: 42.0 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1270668

CATALOG NUMBER: P3A20R509740D010 E3DLP1H

### Luminous Intensity Polar Plot



TEST NUMBER: P1270668

CATALOG NUMBER: P3A20R509740D010 E3DLP1H

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|
| RF  | 20  |     |     |     |  | 20  |     |     |     |  | 20  |     |     |  |     | 20  |     |  |     |     | 20  |
| RC  | 80  |     |     |     |  | 70  |     |     |     |  | 30  |     |     |  |     | 10  |     |  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  |  | 70  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  |
| RCR |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 |  | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 113 | 110 | 107 | 105 |  | 111 | 108 | 106 | 103 |  | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  | 95  | 94  |
| 2   | 107 | 102 | 98  | 94  |  | 105 | 100 | 96  | 93  |  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 91  | 89  | 87  |
| 3   | 101 | 95  | 89  | 85  |  | 99  | 93  | 88  | 85  |  | 91  | 87  | 83  |  | 88  | 85  | 82  |  | 86  | 83  | 81  |
| 4   | 96  | 88  | 82  | 78  |  | 94  | 87  | 82  | 78  |  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 81  | 78  | 75  |
| 5   | 91  | 83  | 76  | 72  |  | 90  | 82  | 76  | 72  |  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 77  | 73  | 70  |
| 6   | 87  | 77  | 71  | 67  |  | 85  | 77  | 71  | 67  |  | 75  | 70  | 66  |  | 74  | 69  | 66  |  | 72  | 68  | 65  |
| 7   | 82  | 73  | 67  | 62  |  | 81  | 72  | 66  | 62  |  | 71  | 66  | 62  |  | 70  | 65  | 61  |  | 68  | 64  | 61  |
| 8   | 78  | 69  | 63  | 58  |  | 77  | 68  | 62  | 58  |  | 67  | 62  | 58  |  | 66  | 61  | 58  |  | 65  | 61  | 57  |
| 9   | 75  | 65  | 59  | 55  |  | 74  | 64  | 59  | 55  |  | 63  | 58  | 55  |  | 63  | 58  | 54  |  | 62  | 57  | 54  |
| 10  | 71  | 61  | 56  | 52  |  | 70  | 61  | 55  | 52  |  | 60  | 55  | 51  |  | 59  | 55  | 51  |  | 59  | 54  | 51  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 351638 |
| 5°  | 342174 |
| 10° | 315514 |
| 15° | 277482 |
| 20° | 232164 |
| 25° | 184099 |
| 30° | 135059 |
| 35° | 92862  |
| 40° | 59025  |
| 45° | 32996  |
| 50° | 17876  |
| 55° | 15025  |
| 60° | 12938  |
| 65° | 11882  |
| 70° | 10515  |
| 75° | 9743   |
| 80° | 8208   |
| 85° | 8303   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32996 cd/sqm

TEST NUMBER: P1270668

CATALOG NUMBER: P3A20R509740D010 E3DLP1H

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 144.0  | 11.9      |
| 10°-20°   | 338.5  | 28.0      |
| 20°-30°   | 346.3  | 28.6      |
| 30°-40°   | 219.6  | 18.2      |
| 40°-50°   | 87.4   | 7.2       |
| 50°-60°   | 35.4   | 2.9       |
| 60°-70°   | 22.7   | 1.9       |
| 70°-80°   | 11.7   | 1.0       |
| 80°-90°   | 3.6    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 828.8  | 68.5      |
| 0°-40°    | 1048.4 | 86.7      |
| 0°-60°    | 1171.2 | 96.9      |
| 0°-90°    | 1209.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1209.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1604 |      |
| 5°  | 1554 | 144  |
| 15° | 1222 | 339  |
| 25° | 761  | 346  |
| 35° | 347  | 220  |
| 45° | 106  | 87   |
| 55° | 39   | 35   |
| 65° | 23   | 23   |
| 75° | 12   | 12   |
| 85° | 3    | 4    |
| 90° | 0    |      |

TEST NUMBER: P1270668

CATALOG NUMBER: P3A20R509740D010 E3DLP1H

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1603.6 |
| 2.5°  | 1592.1 |
| 5°    | 1554.5 |
| 7.5°  | 1495.6 |
| 10°   | 1417.0 |
| 12.5° | 1323.8 |
| 15°   | 1222.3 |
| 17.5° | 1111.1 |
| 20°   | 994.9  |
| 22.5° | 878.7  |
| 25°   | 760.9  |
| 27.5° | 643.1  |
| 30°   | 533.4  |
| 32.5° | 435.3  |
| 35°   | 346.9  |
| 37.5° | 271.6  |
| 40°   | 206.2  |
| 42.5° | 152.2  |
| 45°   | 106.4  |
| 47.5° | 72.0   |
| 50°   | 52.4   |
| 52.5° | 44.2   |
| 55°   | 39.3   |
| 57.5° | 34.4   |
| 60°   | 29.5   |
| 62.5° | 26.2   |
| 65°   | 22.9   |
| 67.5° | 19.6   |
| 70°   | 16.4   |
| 72.5° | 13.1   |
| 75°   | 11.5   |
| 77.5° | 8.2    |
| 80°   | 6.5    |
| 82.5° | 4.9    |
| 85°   | 3.3    |
| 87.5° | 1.6    |
| 90°   | 0.0    |

(END OF REPORT)