

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: P1270549

Luminaire Tested: P3AS20R309740D010 E3DLD1LI

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1270549  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R309740D010 E3DLD1LI  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

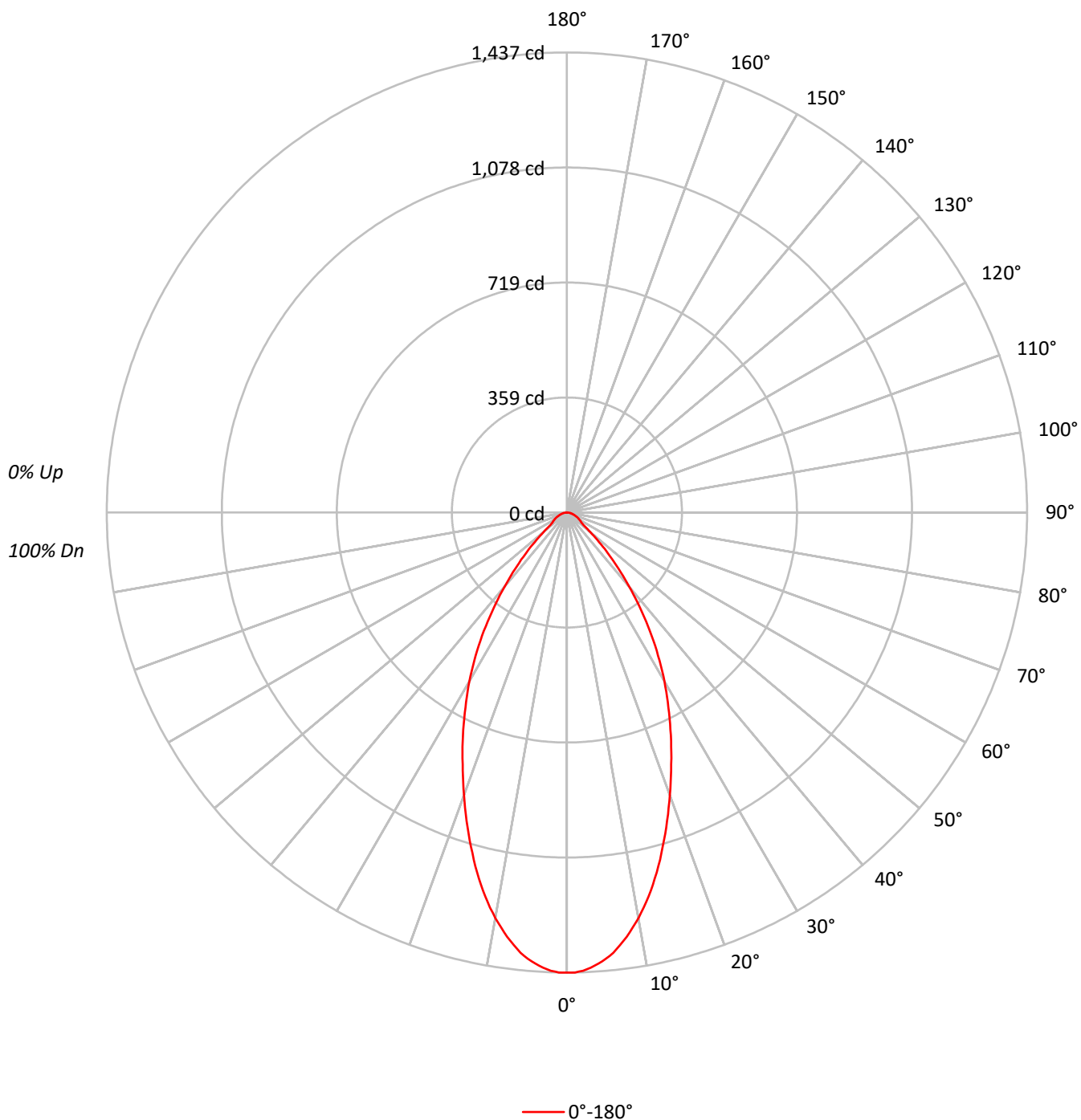
Lumens per Lamp: N/A  
Luminaire Lumens: 1334.0 lumens  
Efficiency: N/A  
Efficacy: 46.3 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1270549

CATALOG NUMBER: P3AS20R309740D010 E3DLD1LI

### Luminous Intensity Polar Plot



TEST NUMBER: P1270549

CATALOG NUMBER: P3AS20R309740D010 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 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  |  | 99  | 98  | 96  |  | 96  |
| 2   | 106 | 100 | 96  | 92  | 104 | 99  | 94  | 91  | 95  | 92  | 89  |  | 92  | 89  | 87  |  | 89  |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 82  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 79  | 74  | 82  | 77  | 73  |  | 80  | 76  | 72  |  | 78  |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 68  | 76  | 71  | 67  |  | 75  | 70  | 66  |  | 73  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 67  | 62  | 71  | 66  | 62  |  | 70  | 65  | 61  |  | 69  |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 58  | 67  | 61  | 57  |  | 66  | 61  | 57  |  | 65  |
| 8   | 75  | 65  | 58  | 54  | 74  | 64  | 58  | 53  | 63  | 57  | 53  |  | 62  | 57  | 53  |  | 61  |
| 9   | 71  | 61  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 54  | 50  |  | 58  | 53  | 50  |  | 57  |
| 10  | 68  | 57  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 50  | 47  |  | 55  | 50  | 46  |  | 54  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 315150 |
| 5°  | 308078 |
| 10° | 286479 |
| 15° | 254916 |
| 20° | 219259 |
| 25° | 185745 |
| 30° | 154176 |
| 35° | 120943 |
| 40° | 86677  |
| 45° | 56843  |
| 50° | 32374  |
| 55° | 21294  |
| 60° | 20086  |
| 65° | 18679  |
| 70° | 16798  |
| 75° | 15250  |
| 80° | 14522  |
| 85° | 12328  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56843 cd/sqm

TEST NUMBER: P1270549

CATALOG NUMBER: P3AS20R309740D010 E3DLD1LI

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 129.9  | 9.7       |
| 10°-20°   | 312.2  | 23.4      |
| 20°-30°   | 351.8  | 26.4      |
| 30°-40°   | 281.0  | 21.1      |
| 40°-50°   | 144.4  | 10.8      |
| 50°-60°   | 54.3   | 4.1       |
| 60°-70°   | 35.6   | 2.7       |
| 70°-80°   | 19.2   | 1.4       |
| 80°-90°   | 5.6    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 793.9  | 59.5      |
| 0°-40°    | 1074.9 | 80.6      |
| 0°-60°    | 1273.6 | 95.5      |
| 0°-90°    | 1334.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1334.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1437 |      |
| 5°  | 1400 | 130  |
| 15° | 1123 | 312  |
| 25° | 768  | 352  |
| 35° | 452  | 281  |
| 45° | 183  | 144  |
| 55° | 56   | 54   |
| 65° | 36   | 36   |
| 75° | 18   | 19   |
| 85° | 5    | 6    |
| 90° | 0    |      |

TEST NUMBER: P1270549

CATALOG NUMBER: P3AS20R309740D010 E3DLD1LI

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1437.2 |
| 1°    | 1437.2 |
| 2°    | 1432.3 |
| 3°    | 1424.1 |
| 4°    | 1412.7 |
| 5°    | 1399.6 |
| 6°    | 1383.2 |
| 7°    | 1361.9 |
| 8°    | 1339.0 |
| 9°    | 1312.8 |
| 10°   | 1286.6 |
| 11°   | 1257.2 |
| 12°   | 1226.1 |
| 13°   | 1193.3 |
| 14°   | 1159.0 |
| 15°   | 1122.9 |
| 17.5° | 1031.3 |
| 20°   | 939.6  |
| 22.5° | 851.2  |
| 25°   | 767.7  |
| 27.5° | 685.9  |
| 30°   | 608.9  |
| 32.5° | 530.4  |
| 35°   | 451.8  |
| 37.5° | 374.9  |
| 40°   | 302.8  |
| 42.5° | 239.0  |
| 45°   | 183.3  |
| 47.5° | 135.9  |
| 50°   | 94.9   |
| 52.5° | 67.1   |
| 55°   | 55.7   |
| 57.5° | 50.7   |
| 60°   | 45.8   |
| 62.5° | 40.9   |
| 65°   | 36.0   |
| 67.5° | 31.1   |
| 70°   | 26.2   |
| 72.5° | 21.3   |
| 75°   | 18.0   |
| 77.5° | 14.7   |
| 80°   | 11.5   |
| 82.5° | 8.2    |
| 85°   | 4.9    |
| 87.5° | 1.6    |



TEST NUMBER: P1270549

CATALOG NUMBER: P3AS20R309740D010 E3DLD1LI

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)