

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: P1248852

Luminaire Tested: P3AS09R309027DE010 E3DLD1GPH

Issue Date: 1/30/2026

**Test Information**

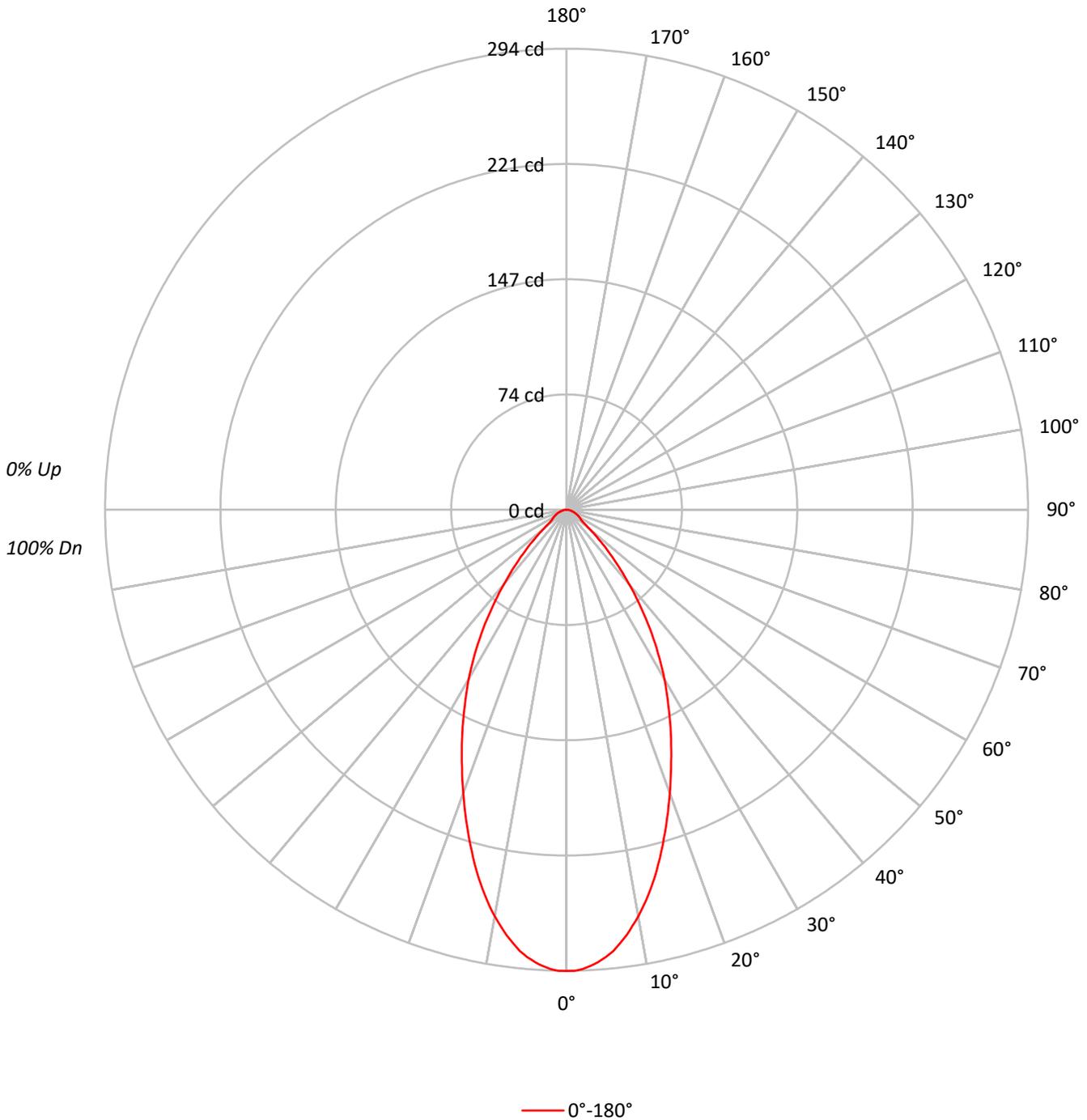
Test Method: LM-79-2019  
Report Number: P1248852  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R309027DE010 E3DLD1GPH  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3DLD1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 273.0 lumens  
Efficiency: N/A  
Efficacy: 24.6 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): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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  |     |    |    | 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 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 94  | 93  | 91  |    |    |    | 91  |
| 2   | 106 | 100 | 96  | 92  | 104 | 99  | 94  | 91  | 95  | 92  | 89  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |    | 83  |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 82  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 80  | 78  | 76  |    |    |    | 76  |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 79  | 74  | 82  | 77  | 73  | 80  | 76  | 72  | 78  | 74  | 71  | 70  |    |    |    | 70  |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 68  | 76  | 71  | 67  | 75  | 70  | 66  | 73  | 69  | 66  | 64  |    |    |    | 64  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 67  | 62  | 71  | 66  | 62  | 70  | 65  | 61  | 69  | 64  | 61  | 59  |    |    |    | 59  |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 58  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 55  |    |    |    | 55  |
| 8   | 75  | 65  | 58  | 54  | 74  | 64  | 58  | 53  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 51  |    |    |    | 51  |
| 9   | 71  | 61  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 50  | 57  | 53  | 49  | 48  |    |    |    | 48  |
| 10  | 68  | 57  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 50  | 47  | 55  | 50  | 46  | 54  | 50  | 46  | 45  |    |    |    | 45  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 64490 |
| 5°  | 63042 |
| 10° | 58627 |
| 15° | 52168 |
| 20° | 44874 |
| 25° | 38010 |
| 30° | 31549 |
| 35° | 24762 |
| 40° | 17748 |
| 45° | 11629 |
| 50° | 6618  |
| 55° | 4358  |
| 60° | 4122  |
| 65° | 3840  |
| 70° | 3462  |
| 75° | 3135  |
| 80° | 2904  |
| 85° | 2516  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11629 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.6   | 9.7       |
| 10°-20°   | 63.9   | 23.4      |
| 20°-30°   | 72.0   | 26.4      |
| 30°-40°   | 57.5   | 21.1      |
| 40°-50°   | 29.5   | 10.8      |
| 50°-60°   | 11.1   | 4.1       |
| 60°-70°   | 7.3    | 2.7       |
| 70°-80°   | 3.9    | 1.4       |
| 80°-90°   | 1.1    | 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       |
| 0°-30°    | 162.5  | 59.5      |
| 0°-40°    | 220.0  | 80.6      |
| 0°-60°    | 260.6  | 95.5      |
| 0°-90°    | 273.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 273.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 294 |      |
| 5°  | 286 | 27   |
| 15° | 230 | 64   |
| 25° | 157 | 72   |
| 35° | 92  | 57   |
| 45° | 38  | 30   |
| 55° | 11  | 11   |
| 65° | 7   | 7    |
| 75° | 4   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 294.1 |
| 1°    | 294.1 |
| 2°    | 293.1 |
| 3°    | 291.4 |
| 4°    | 289.1 |
| 5°    | 286.4 |
| 6°    | 283.1 |
| 7°    | 278.7 |
| 8°    | 274.0 |
| 9°    | 268.7 |
| 10°   | 263.3 |
| 11°   | 257.3 |
| 12°   | 250.9 |
| 13°   | 244.2 |
| 14°   | 237.2 |
| 15°   | 229.8 |
| 17.5° | 211.0 |
| 20°   | 192.3 |
| 22.5° | 174.2 |
| 25°   | 157.1 |
| 27.5° | 140.4 |
| 30°   | 124.6 |
| 32.5° | 108.5 |
| 35°   | 92.5  |
| 37.5° | 76.7  |
| 40°   | 62.0  |
| 42.5° | 48.9  |
| 45°   | 37.5  |
| 47.5° | 27.8  |
| 50°   | 19.4  |
| 52.5° | 13.7  |
| 55°   | 11.4  |
| 57.5° | 10.4  |
| 60°   | 9.4   |
| 62.5° | 8.4   |
| 65°   | 7.4   |
| 67.5° | 6.4   |
| 70°   | 5.4   |
| 72.5° | 4.4   |
| 75°   | 3.7   |
| 77.5° | 3.0   |
| 80°   | 2.3   |
| 82.5° | 1.7   |
| 85°   | 1.0   |
| 87.5° | 0.3   |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)