

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: P1251245

Luminaire Tested: P3AS05R409030DE010 E3DLD1LI

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1251245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R409030DE010 E3DLD1LI  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

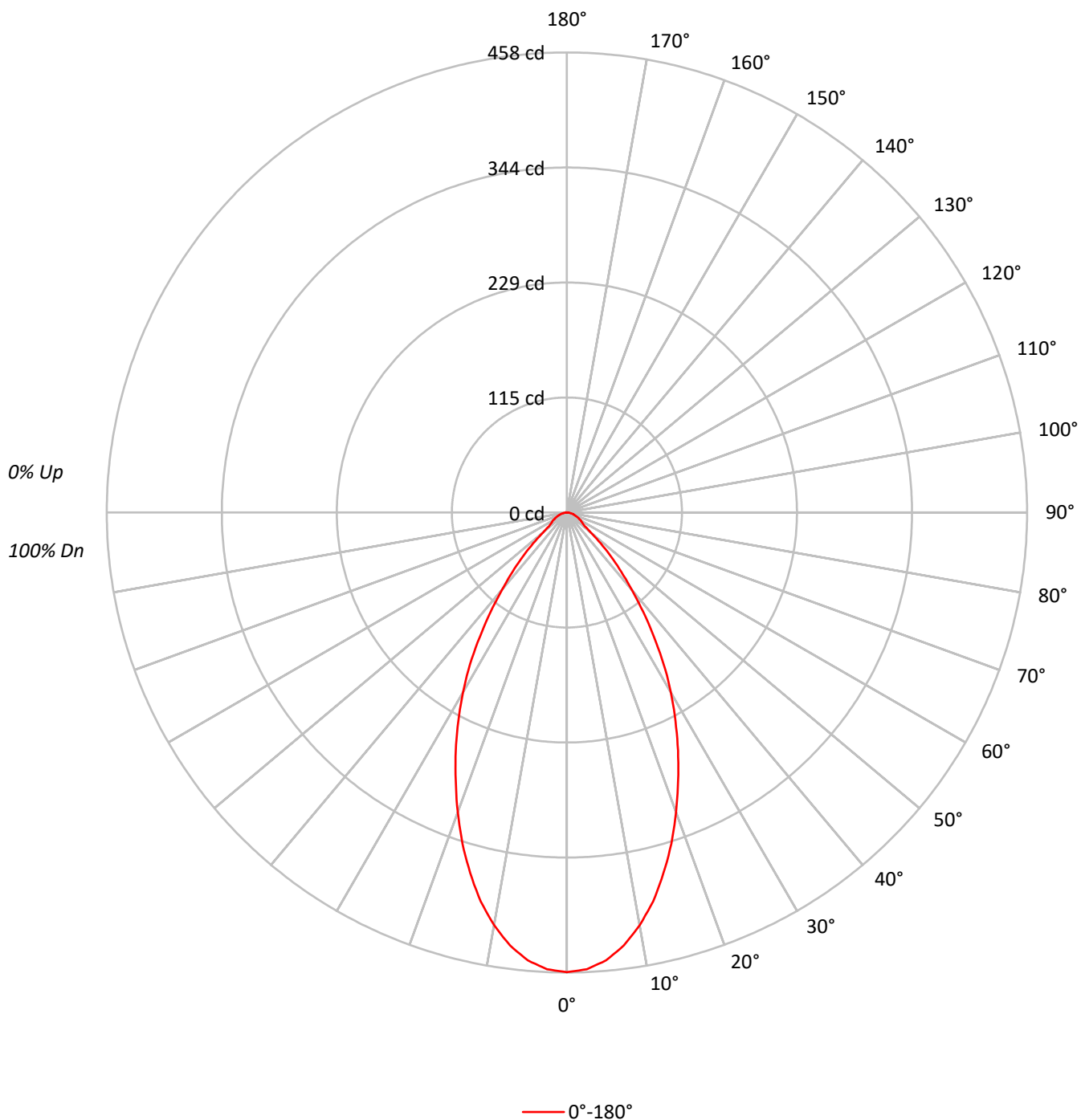
Lumens per Lamp: N/A  
Luminaire Lumens: 447.0 lumens  
Efficiency: N/A  
Efficacy: 62.1 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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  |
| 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 | 104 | 102 | 103 | 101 | 99  |  | 99  | 98  | 96  |  | 96  |
| 2   | 106 | 100 | 96  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 89  |  | 92  | 89  | 87  |  | 89  |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 83  |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 78  | 74  | 82  | 77  | 73  |  | 80  | 75  | 72  |  | 78  |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 67  | 76  | 71  | 67  |  | 75  | 70  | 66  |  | 73  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 67  | 62  | 71  | 66  | 61  |  | 70  | 65  | 61  |  | 68  |
| 7   | 79  | 69  | 62  | 57  | 78  | 68  | 62  | 57  | 67  | 61  | 57  |  | 65  | 60  | 57  |  | 64  |
| 8   | 75  | 64  | 58  | 53  | 74  | 64  | 58  | 53  | 63  | 57  | 53  |  | 62  | 56  | 53  |  | 61  |
| 9   | 71  | 60  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |
| 10  | 67  | 57  | 51  | 46  | 66  | 56  | 50  | 46  | 56  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 100343 |
| 5°  | 98525  |
| 10° | 92873  |
| 15° | 84359  |
| 20° | 74113  |
| 25° | 63294  |
| 30° | 52413  |
| 35° | 40422  |
| 40° | 28768  |
| 45° | 19382  |
| 50° | 10575  |
| 55° | 7455   |
| 60° | 7017   |
| 65° | 6486   |
| 70° | 5770   |
| 75° | 5507   |
| 80° | 4420   |
| 85° | 3774   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19382 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 41.7   | 9.3       |
| 10°-20°   | 103.5  | 23.2      |
| 20°-30°   | 119.7  | 26.8      |
| 30°-40°   | 94.3   | 21.1      |
| 40°-50°   | 48.4   | 10.8      |
| 50°-60°   | 18.5   | 4.1       |
| 60°-70°   | 12.2   | 2.7       |
| 70°-80°   | 6.7    | 1.5       |
| 80°-90°   | 2.0    | 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°    | 264.9  | 59.3      |
| 0°-40°    | 359.2  | 80.4      |
| 0°-60°    | 426.1  | 95.3      |
| 0°-90°    | 447.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 447.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 458 |      |
| 5°  | 448 | 42   |
| 15° | 372 | 104  |
| 25° | 262 | 120  |
| 35° | 151 | 94   |
| 45° | 62  | 48   |
| 55° | 20  | 19   |
| 65° | 12  | 12   |
| 75° | 6   | 7    |
| 85° | 2   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 457.6 |
| 2.5°  | 455.1 |
| 5°    | 447.6 |
| 7.5°  | 434.6 |
| 10°   | 417.1 |
| 12.5° | 396.6 |
| 15°   | 371.6 |
| 17.5° | 345.6 |
| 20°   | 317.6 |
| 22.5° | 289.1 |
| 25°   | 261.6 |
| 27.5° | 234.0 |
| 30°   | 207.0 |
| 32.5° | 179.5 |
| 35°   | 151.0 |
| 37.5° | 124.5 |
| 40°   | 100.5 |
| 42.5° | 80.0  |
| 45°   | 62.5  |
| 47.5° | 45.5  |
| 50°   | 31.0  |
| 52.5° | 22.5  |
| 55°   | 19.5  |
| 57.5° | 17.5  |
| 60°   | 16.0  |
| 62.5° | 14.0  |
| 65°   | 12.5  |
| 67.5° | 10.5  |
| 70°   | 9.0   |
| 72.5° | 7.5   |
| 75°   | 6.5   |
| 77.5° | 5.0   |
| 80°   | 3.5   |
| 82.5° | 3.0   |
| 85°   | 1.5   |
| 87.5° | 1.0   |
| 90°   | 0.0   |

(END OF REPORT)