

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: P1248591

Luminaire Tested: P3AS05R509027DE010 E3DLD1H

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1248591  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R509027DE010 E3DLD1H  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DLD1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

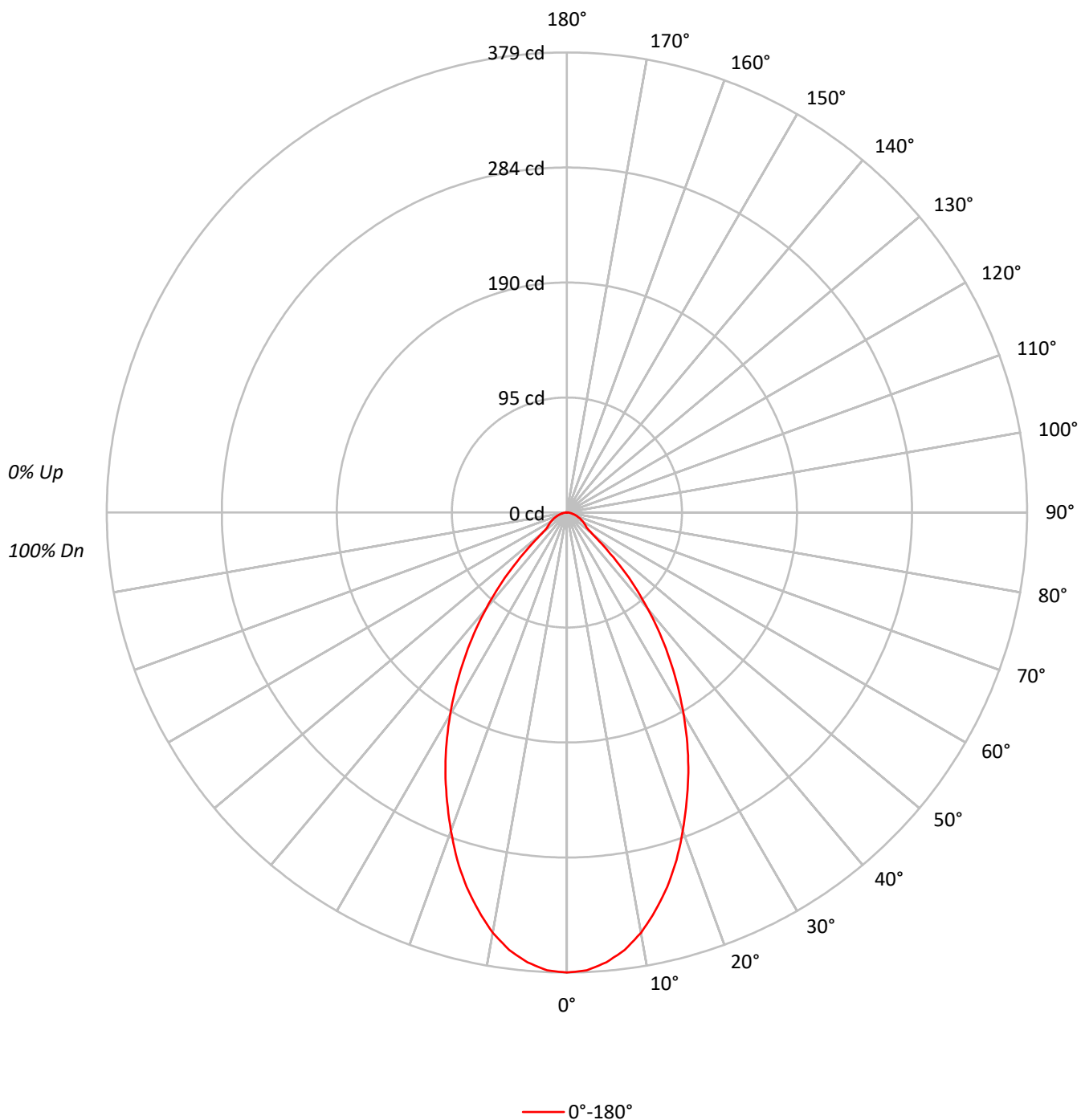
Lumens per Lamp: N/A  
Luminaire Lumens: 409.0 lumens  
Efficiency: N/A  
Efficacy: 56.8 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 97  | 96  |  | 95  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  |  | 92  | 89  | 86  |  | 89  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  |  | 85  | 81  | 78  |  | 83  |
| 4   | 93  | 85  | 78  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 66  | 75  | 70  | 66  |  | 74  | 69  | 65  |  | 72  |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 65  | 61  | 70  | 65  | 60  |  | 69  | 64  | 60  |  | 67  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 61  | 56  | 66  | 60  | 56  |  | 64  | 59  | 55  |  | 63  |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 56  | 52  | 61  | 56  | 52  |  | 60  | 55  | 51  |  | 59  |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  |  | 54  | 48  | 45  |  | 53  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 83107 |
| 5°  | 81884 |
| 10° | 78266 |
| 15° | 72486 |
| 20° | 65129 |
| 25° | 57269 |
| 30° | 48691 |
| 35° | 39485 |
| 40° | 29656 |
| 45° | 19103 |
| 50° | 9074  |
| 55° | 7149  |
| 60° | 6754  |
| 65° | 6278  |
| 70° | 5706  |
| 75° | 5168  |
| 80° | 4672  |
| 85° | 4780  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19103 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 34.9   | 8.5       |
| 10°-20°   | 89.0   | 21.8      |
| 20°-30°   | 108.2  | 26.4      |
| 30°-40°   | 91.7   | 22.4      |
| 40°-50°   | 47.6   | 11.6      |
| 50°-60°   | 17.2   | 4.2       |
| 60°-70°   | 11.9   | 2.9       |
| 70°-80°   | 6.5    | 1.6       |
| 80°-90°   | 2.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 232.1  | 56.7      |
| 0°-40°    | 323.8  | 79.2      |
| 0°-60°    | 388.6  | 95.0      |
| 0°-90°    | 409.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 409.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 379 |      |
| 5°  | 372 | 35   |
| 15° | 319 | 89   |
| 25° | 237 | 108  |
| 35° | 148 | 92   |
| 45° | 62  | 48   |
| 55° | 19  | 17   |
| 65° | 12  | 12   |
| 75° | 6   | 6    |
| 85° | 2   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 379.0 |
| 2.5°  | 377.6 |
| 5°    | 372.0 |
| 7.5°  | 363.6 |
| 10°   | 351.5 |
| 12.5° | 336.1 |
| 15°   | 319.3 |
| 17.5° | 300.2 |
| 20°   | 279.1 |
| 22.5° | 257.7 |
| 25°   | 236.7 |
| 27.5° | 214.7 |
| 30°   | 192.3 |
| 32.5° | 169.9 |
| 35°   | 147.5 |
| 37.5° | 125.6 |
| 40°   | 103.6 |
| 42.5° | 82.6  |
| 45°   | 61.6  |
| 47.5° | 41.1  |
| 50°   | 26.6  |
| 52.5° | 20.5  |
| 55°   | 18.7  |
| 57.5° | 16.8  |
| 60°   | 15.4  |
| 62.5° | 13.5  |
| 65°   | 12.1  |
| 67.5° | 10.3  |
| 70°   | 8.9   |
| 72.5° | 7.5   |
| 75°   | 6.1   |
| 77.5° | 4.7   |
| 80°   | 3.7   |
| 82.5° | 2.8   |
| 85°   | 1.9   |
| 87.5° | 0.9   |
| 90°   | 0.0   |

(END OF REPORT)