

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: P1270661

Luminaire Tested: P3A20R509740D010 E3DLD1GPH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1270661  
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: P3A20R509740D010 E3DLD1GPH  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DLD1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

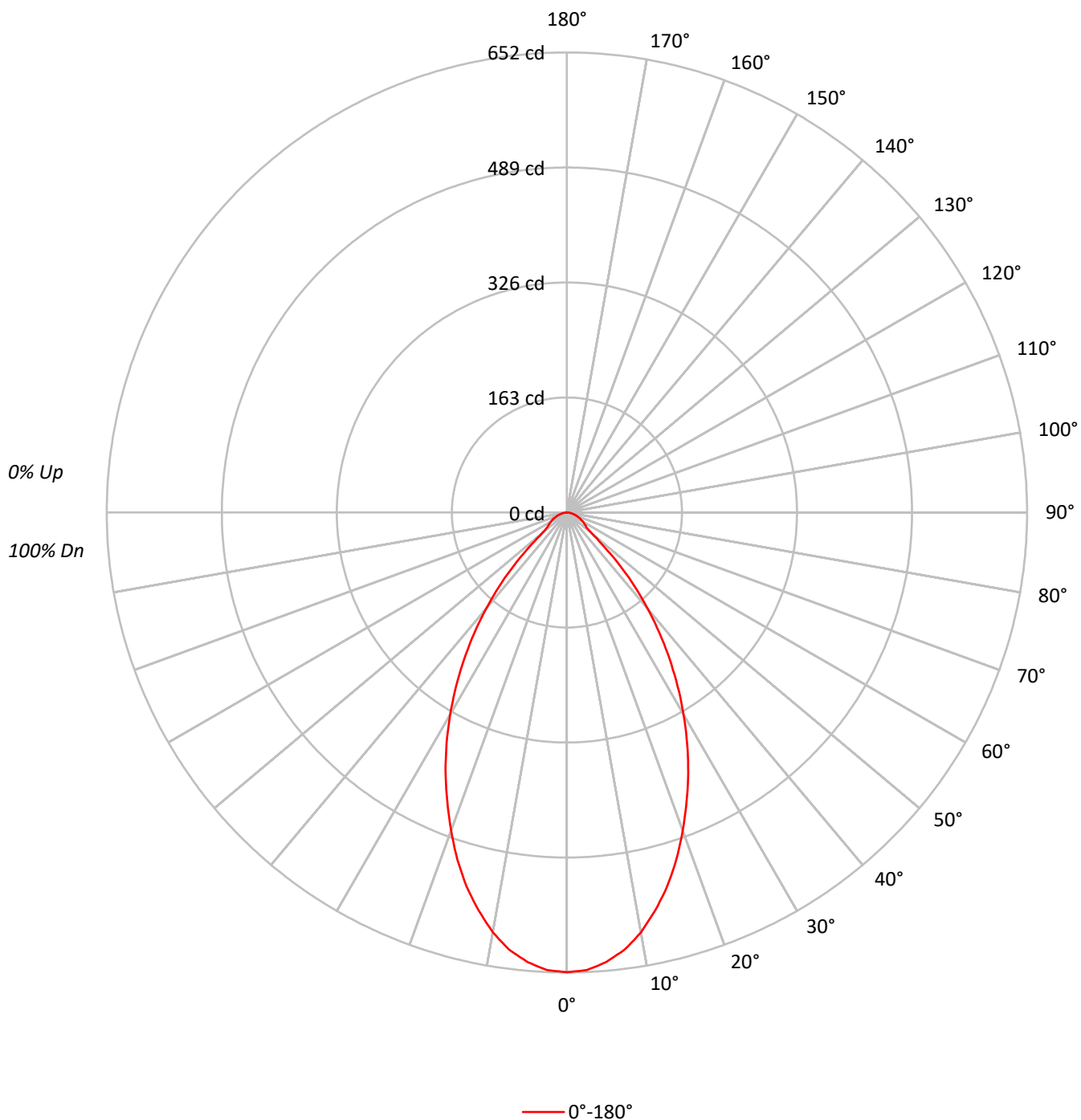
Lumens per Lamp: N/A  
Luminaire Lumens: 703.0 lumens  
Efficiency: N/A  
Efficacy: 24.4 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

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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°  | 142861 |
| 5°  | 140766 |
| 10° | 134533 |
| 15° | 124586 |
| 20° | 111963 |
| 25° | 98425  |
| 30° | 83709  |
| 35° | 67860  |
| 40° | 50981  |
| 45° | 32841  |
| 50° | 15590  |
| 55° | 12272  |
| 60° | 11622  |
| 65° | 10844  |
| 70° | 9745   |
| 75° | 8811   |
| 80° | 8082   |
| 85° | 8051   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32841 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.9   | 8.5       |
| 10°-20°   | 153.0  | 21.8      |
| 20°-30°   | 185.9  | 26.4      |
| 30°-40°   | 157.7  | 22.4      |
| 40°-50°   | 81.9   | 11.6      |
| 50°-60°   | 29.6   | 4.2       |
| 60°-70°   | 20.5   | 2.9       |
| 70°-80°   | 11.1   | 1.6       |
| 80°-90°   | 3.5    | 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°    | 398.9  | 56.7      |
| 0°-40°    | 556.5  | 79.2      |
| 0°-60°    | 668.0  | 95.0      |
| 0°-90°    | 703.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 703.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 652 |      |
| 5°  | 640 | 60   |
| 15° | 549 | 153  |
| 25° | 407 | 186  |
| 35° | 254 | 158  |
| 45° | 106 | 82   |
| 55° | 32  | 30   |
| 65° | 21  | 20   |
| 75° | 10  | 11   |
| 85° | 3   | 3    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 651.5 |
| 2.5°  | 649.1 |
| 5°    | 639.5 |
| 7.5°  | 625.0 |
| 10°   | 604.2 |
| 12.5° | 577.7 |
| 15°   | 548.8 |
| 17.5° | 515.9 |
| 20°   | 479.8 |
| 22.5° | 442.9 |
| 25°   | 406.8 |
| 27.5° | 369.1 |
| 30°   | 330.6 |
| 32.5° | 292.1 |
| 35°   | 253.5 |
| 37.5° | 215.8 |
| 40°   | 178.1 |
| 42.5° | 142.0 |
| 45°   | 105.9 |
| 47.5° | 70.6  |
| 50°   | 45.7  |
| 52.5° | 35.3  |
| 55°   | 32.1  |
| 57.5° | 28.9  |
| 60°   | 26.5  |
| 62.5° | 23.3  |
| 65°   | 20.9  |
| 67.5° | 17.7  |
| 70°   | 15.2  |
| 72.5° | 12.8  |
| 75°   | 10.4  |
| 77.5° | 8.0   |
| 80°   | 6.4   |
| 82.5° | 4.8   |
| 85°   | 3.2   |
| 87.5° | 1.6   |
| 90°   | 0.0   |

(END OF REPORT)