

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: P1247844

Luminaire Tested: P3AS20R709024D010 E3DL1LI

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247844  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R709024D010 E3DL1LI  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3DL1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

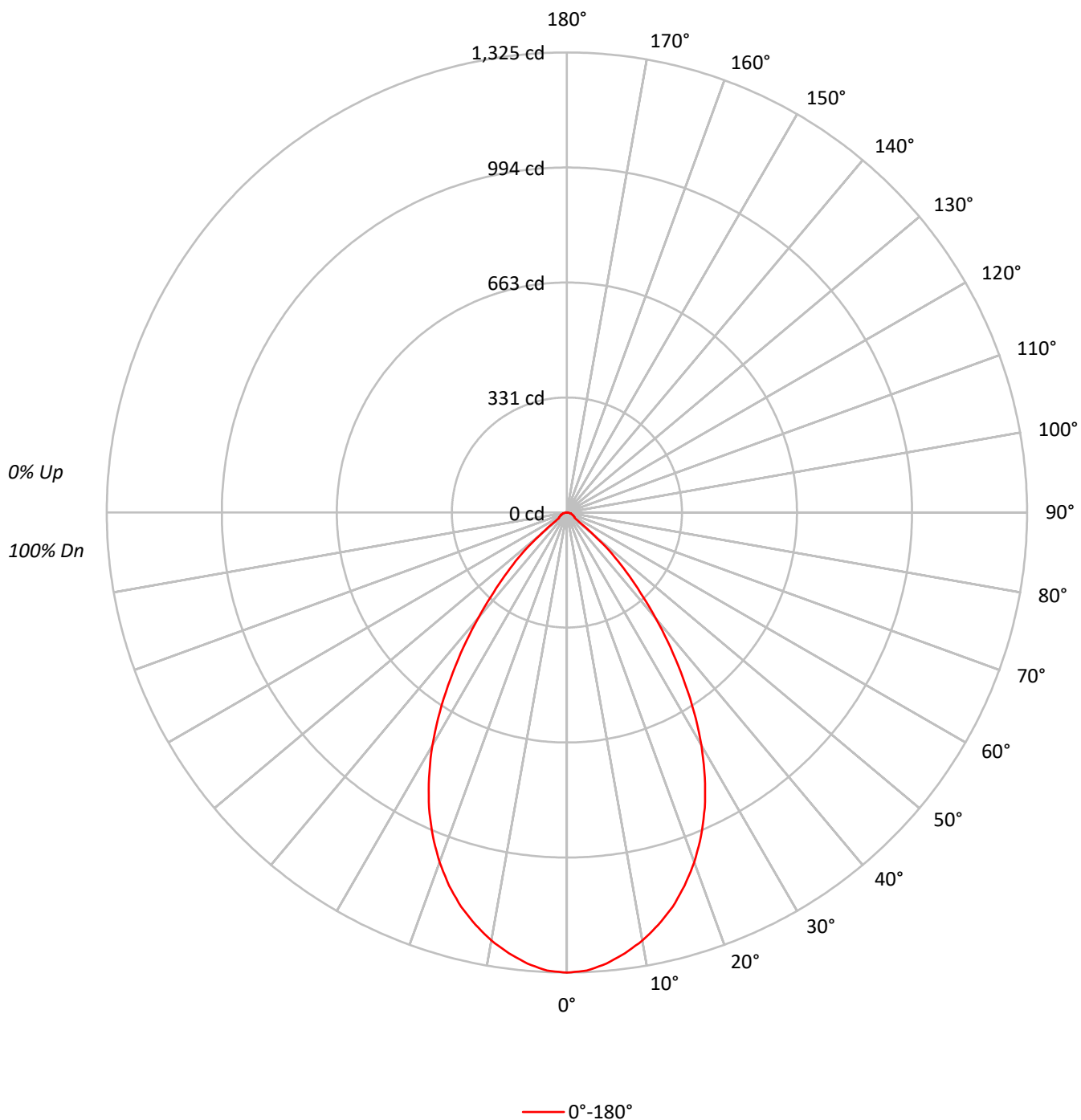
Lumens per Lamp: N/A  
Luminaire Lumens: 1501.0 lumens  
Efficiency: N/A  
Efficacy: 52.1 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 100 |  | 100 | 98  | 97  |  | 96  |
| 2   | 106 | 101 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 92  | 90  |  | 93  | 90  | 88  |  | 90  |
| 3   | 100 | 93  | 88  | 83  | 98  | 92  | 87  | 82  | 89  | 85  | 81  |  | 86  | 83  | 80  |  | 84  |
| 4   | 94  | 86  | 80  | 75  | 93  | 85  | 79  | 75  | 83  | 78  | 74  |  | 81  | 76  | 73  |  | 79  |
| 5   | 89  | 80  | 73  | 69  | 87  | 79  | 73  | 68  | 77  | 72  | 68  |  | 75  | 71  | 67  |  | 74  |
| 6   | 84  | 74  | 68  | 63  | 82  | 73  | 67  | 63  | 72  | 66  | 62  |  | 70  | 65  | 62  |  | 69  |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 58  | 67  | 61  | 57  |  | 66  | 61  | 57  |  | 65  |
| 8   | 75  | 65  | 58  | 53  | 74  | 64  | 58  | 53  | 63  | 57  | 53  |  | 62  | 57  | 53  |  | 61  |
| 9   | 71  | 60  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |
| 10  | 67  | 57  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 50  | 46  |  | 55  | 49  | 46  |  | 54  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 290591 |
| 5°  | 287100 |
| 10° | 278797 |
| 15° | 266994 |
| 20° | 250085 |
| 25° | 227215 |
| 30° | 196258 |
| 35° | 156413 |
| 40° | 113928 |
| 45° | 74891  |
| 50° | 35103  |
| 55° | 10819  |
| 60° | 10438  |
| 65° | 10066  |
| 70° | 9553   |
| 75° | 10082  |
| 80° | 9471   |
| 85° | 7548   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74891 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 122.8  | 8.2       |
| 10°-20°   | 329.1  | 21.9      |
| 20°-30°   | 427.8  | 28.5      |
| 30°-40°   | 363.0  | 24.2      |
| 40°-50°   | 187.2  | 12.5      |
| 50°-60°   | 36.1   | 2.4       |
| 60°-70°   | 19.6   | 1.3       |
| 70°-80°   | 12.0   | 0.8       |
| 80°-90°   | 3.5    | 0.2       |
| 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°    | 879.8  | 58.6      |
| 0°-40°    | 1242.8 | 82.8      |
| 0°-60°    | 1466.0 | 97.7      |
| 0°-90°    | 1501.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1501.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1325 |      |
| 5°  | 1304 | 123  |
| 15° | 1176 | 329  |
| 25° | 939  | 428  |
| 35° | 584  | 363  |
| 45° | 242  | 187  |
| 55° | 28   | 36   |
| 65° | 19   | 20   |
| 75° | 12   | 12   |
| 85° | 3    | 3    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1325.2 |
| 2.5°  | 1320.7 |
| 5°    | 1304.3 |
| 7.5°  | 1280.4 |
| 10°   | 1252.1 |
| 12.5° | 1216.3 |
| 15°   | 1176.1 |
| 17.5° | 1126.9 |
| 20°   | 1071.7 |
| 22.5° | 1009.1 |
| 25°   | 939.1  |
| 27.5° | 860.1  |
| 30°   | 775.1  |
| 32.5° | 681.2  |
| 35°   | 584.3  |
| 37.5° | 488.9  |
| 40°   | 398.0  |
| 42.5° | 313.0  |
| 45°   | 241.5  |
| 47.5° | 177.4  |
| 50°   | 102.9  |
| 52.5° | 44.7   |
| 55°   | 28.3   |
| 57.5° | 26.8   |
| 60°   | 23.8   |
| 62.5° | 22.4   |
| 65°   | 19.4   |
| 67.5° | 17.9   |
| 70°   | 14.9   |
| 72.5° | 13.4   |
| 75°   | 11.9   |
| 77.5° | 8.9    |
| 80°   | 7.5    |
| 82.5° | 4.5    |
| 85°   | 3.0    |
| 87.5° | 1.5    |
| 90°   | 0.0    |

(END OF REPORT)