

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: P1258189

Luminaire Tested: P3AS20R459040D010 E3DLD1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1258189  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R459040D010 E3DLD1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

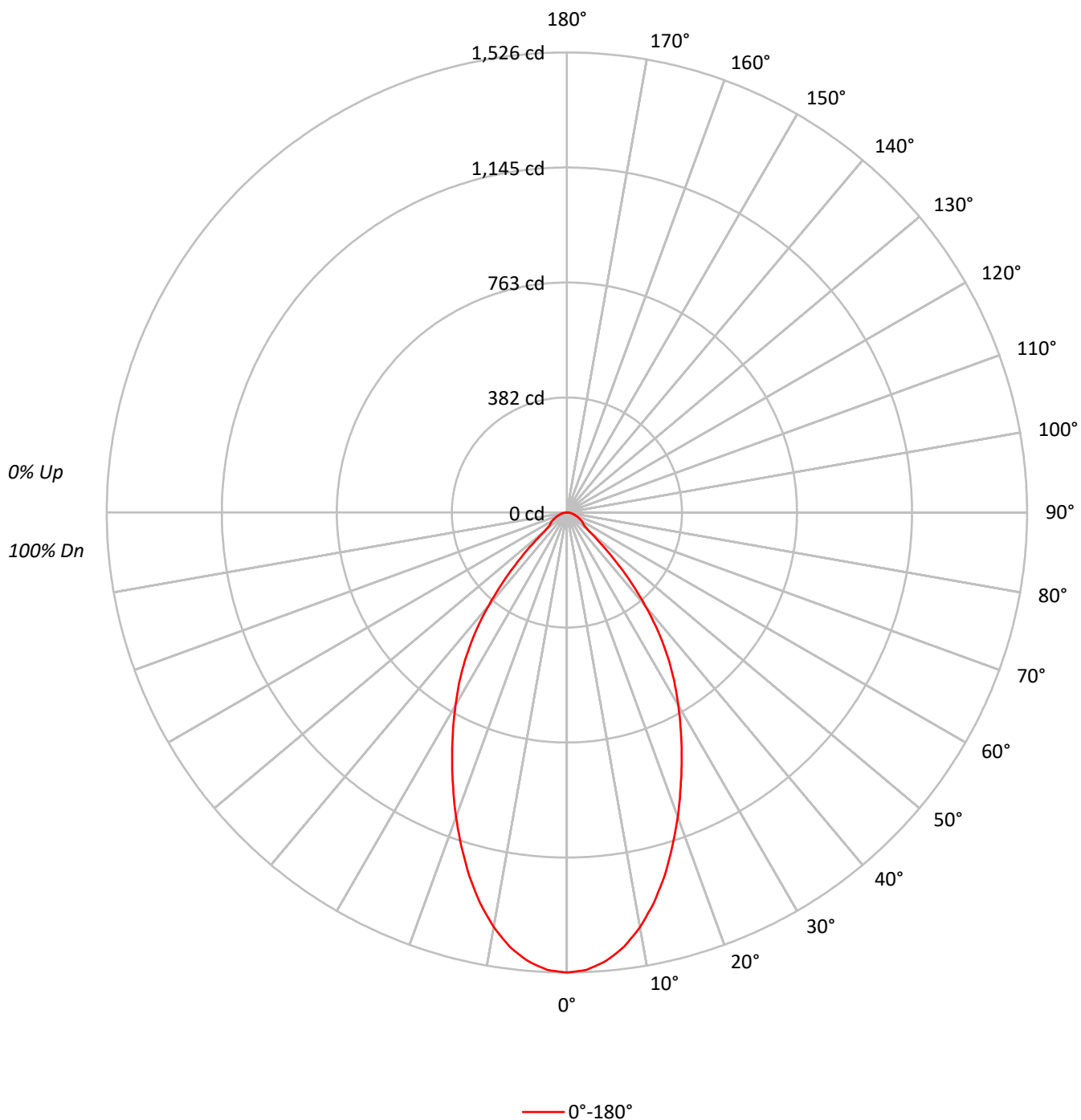
Lumens per Lamp: N/A  
Luminaire Lumens: 1578.0 lumens  
Efficiency: N/A  
Efficacy: 54.8 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 97  | 96  |  | 96  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  |  | 92  | 89  | 86  |  | 89  |
| 3   | 99  | 92  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 83  | 80  |  | 85  | 81  | 78  |  | 83  |
| 4   | 94  | 85  | 78  | 74  | 92  | 84  | 78  | 73  | 81  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 5   | 88  | 79  | 72  | 67  | 86  | 78  | 71  | 67  | 76  | 70  | 66  |  | 74  | 69  | 65  |  | 72  |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 66  | 61  | 71  | 65  | 61  |  | 69  | 64  | 60  |  | 68  |
| 7   | 78  | 68  | 61  | 57  | 77  | 67  | 61  | 56  | 66  | 60  | 56  |  | 65  | 60  | 56  |  | 64  |
| 8   | 74  | 64  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  |  | 61  | 56  | 52  |  | 60  |
| 9   | 70  | 60  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |
| 10  | 67  | 56  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  |  | 54  | 49  | 45  |  | 53  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 334578 |
| 5°  | 328637 |
| 10° | 310994 |
| 15° | 283611 |
| 20° | 250808 |
| 25° | 217803 |
| 30° | 186940 |
| 35° | 155770 |
| 40° | 116075 |
| 45° | 71046  |
| 50° | 32886  |
| 55° | 25729  |
| 60° | 24735  |
| 65° | 22622  |
| 70° | 20965  |
| 75° | 19995  |
| 80° | 18310  |
| 85° | 13838  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71046 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 139.5  | 8.8       |
| 10°-20°   | 347.8  | 22.0      |
| 20°-30°   | 413.3  | 26.2      |
| 30°-40°   | 359.1  | 22.8      |
| 40°-50°   | 180.1  | 11.4      |
| 50°-60°   | 62.5   | 4.0       |
| 60°-70°   | 43.8   | 2.8       |
| 70°-80°   | 24.4   | 1.5       |
| 80°-90°   | 7.4    | 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°    | 900.6  | 57.1      |
| 0°-40°    | 1259.7 | 79.8      |
| 0°-60°    | 1502.3 | 95.2      |
| 0°-90°    | 1578.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1578.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1526 |      |
| 5°  | 1493 | 139  |
| 15° | 1249 | 348  |
| 25° | 900  | 413  |
| 35° | 582  | 359  |
| 45° | 229  | 180  |
| 55° | 67   | 63   |
| 65° | 44   | 44   |
| 75° | 24   | 24   |
| 85° | 6    | 7    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1525.8 |
| 2.5°  | 1518.5 |
| 5°    | 1493.0 |
| 7.5°  | 1453.0 |
| 10°   | 1396.7 |
| 12.5° | 1327.5 |
| 15°   | 1249.3 |
| 17.5° | 1162.1 |
| 20°   | 1074.8 |
| 22.5° | 985.7  |
| 25°   | 900.2  |
| 27.5° | 818.3  |
| 30°   | 738.3  |
| 32.5° | 662.0  |
| 35°   | 581.9  |
| 37.5° | 496.5  |
| 40°   | 405.5  |
| 42.5° | 316.4  |
| 45°   | 229.1  |
| 47.5° | 150.9  |
| 50°   | 96.4   |
| 52.5° | 74.6   |
| 55°   | 67.3   |
| 57.5° | 61.8   |
| 60°   | 56.4   |
| 62.5° | 50.9   |
| 65°   | 43.6   |
| 67.5° | 38.2   |
| 70°   | 32.7   |
| 72.5° | 27.3   |
| 75°   | 23.6   |
| 77.5° | 18.2   |
| 80°   | 14.5   |
| 82.5° | 10.9   |
| 85°   | 5.5    |
| 87.5° | 3.6    |
| 90°   | 0.0    |

(END OF REPORT)