

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: P1268270

Luminaire Tested: P3A20R509735D010 E3CD1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1268270  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R509735D010 E3CD1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

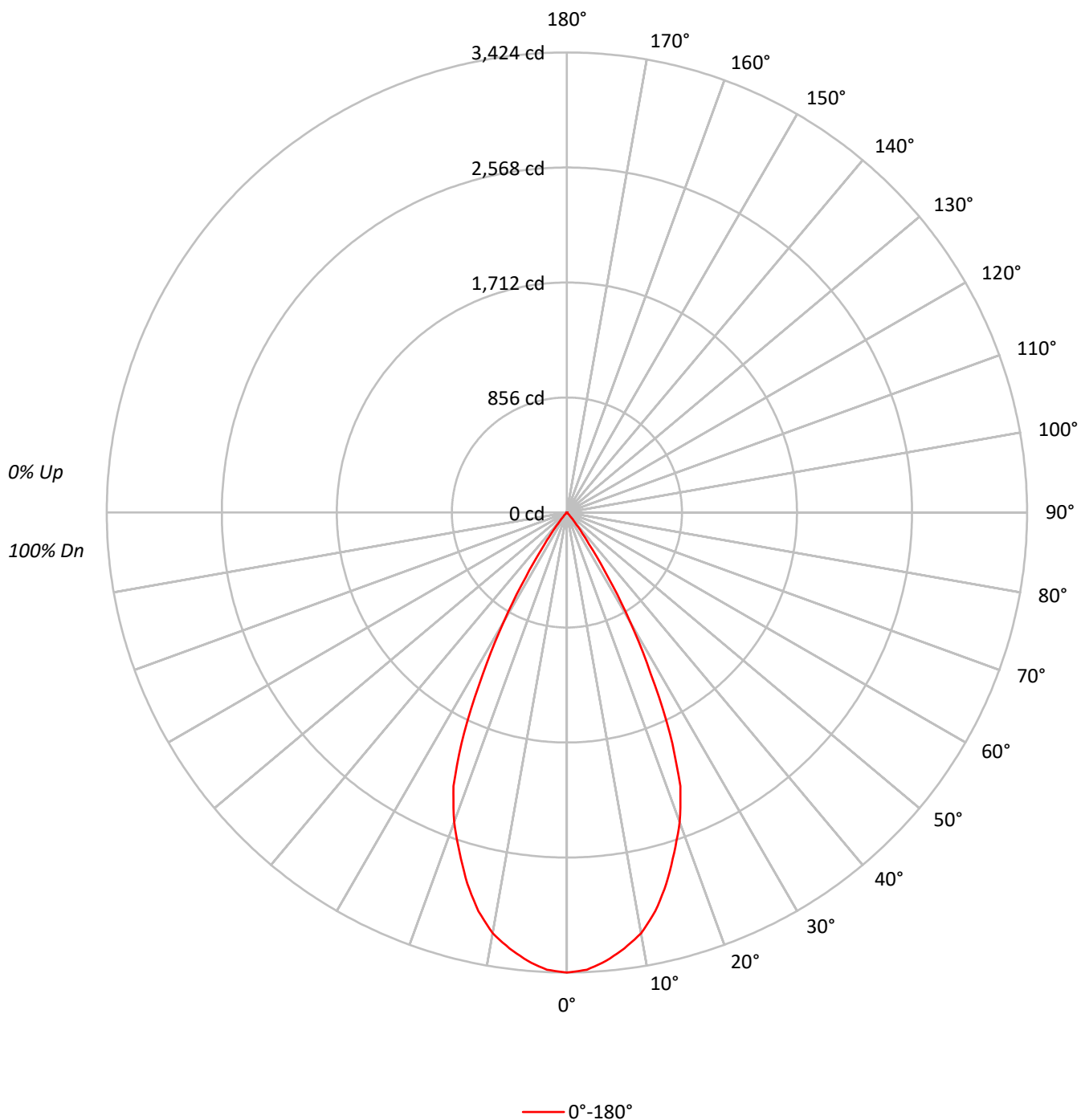
Lumens per Lamp: N/A  
Luminaire Lumens: 2156.0 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 101 | 99  | 98  | 97  | 96  | 96  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 91  | 91  | 90  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 88  | 86  | 86  | 86  | 85  |
| 4   | 100 | 94  | 89  | 85  | 99  | 92  | 88  | 85  | 90  | 87  | 84  | 88  | 85  | 83  | 87  | 84  | 82  | 82  | 82  | 80  |
| 5   | 96  | 89  | 84  | 80  | 94  | 88  | 83  | 79  | 86  | 82  | 79  | 84  | 81  | 78  | 83  | 80  | 77  | 77  | 77  | 76  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 79  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 73  | 73  | 72  |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 70  | 70  | 69  |
| 8   | 85  | 76  | 71  | 67  | 83  | 76  | 71  | 67  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 66  | 66  | 65  |
| 9   | 81  | 73  | 68  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 64  | 71  | 66  | 63  | 70  | 66  | 63  | 63  | 63  | 62  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  | 68  | 63  | 61  | 67  | 63  | 60  | 60  | 60  | 59  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 750861 |
| 5°  | 737440 |
| 10° | 708070 |
| 15° | 649289 |
| 20° | 572533 |
| 25° | 438848 |
| 30° | 238594 |
| 35° | 76774  |
| 40° | 18034  |
| 45° | 2450   |
| 50° | 2149   |
| 55° | 2409   |
| 60° | 2061   |
| 65° | 2439   |
| 70° | 2052   |
| 75° | 2711   |
| 80° | 2020   |
| 85° | 4026   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 85°  
Luminance: 4026 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 314.4  | 14.6      |
| 10°-20°   | 795.0  | 36.9      |
| 20°-30°   | 796.2  | 36.9      |
| 30°-40°   | 223.9  | 10.4      |
| 40°-50°   | 13.5   | 0.6       |
| 50°-60°   | 5.1    | 0.2       |
| 60°-70°   | 4.1    | 0.2       |
| 70°-80°   | 2.7    | 0.1       |
| 80°-90°   | 1.1    | 0.1       |
| 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       |
| 0°-30°    | 1905.6 | 88.4      |
| 0°-40°    | 2129.5 | 98.8      |
| 0°-60°    | 2148.1 | 99.6      |
| 0°-90°    | 2156.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2156.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3424 |      |
| 5°  | 3350 | 314  |
| 15° | 2860 | 795  |
| 25° | 1814 | 796  |
| 35° | 287  | 224  |
| 45° | 8    | 14   |
| 55° | 6    | 5    |
| 65° | 5    | 4    |
| 75° | 3    | 3    |
| 85° | 2    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3424.2 |
| 2.5°  | 3406.9 |
| 5°    | 3350.2 |
| 7.5°  | 3273.0 |
| 10°   | 3180.0 |
| 12.5° | 3039.7 |
| 15°   | 2860.1 |
| 17.5° | 2653.7 |
| 20°   | 2453.5 |
| 22.5° | 2204.6 |
| 25°   | 1813.8 |
| 27.5° | 1350.5 |
| 30°   | 942.3  |
| 32.5° | 568.9  |
| 35°   | 286.8  |
| 37.5° | 135.5  |
| 40°   | 63.0   |
| 42.5° | 23.6   |
| 45°   | 7.9    |
| 47.5° | 6.3    |
| 50°   | 6.3    |
| 52.5° | 6.3    |
| 55°   | 6.3    |
| 57.5° | 4.7    |
| 60°   | 4.7    |
| 62.5° | 4.7    |
| 65°   | 4.7    |
| 67.5° | 3.2    |
| 70°   | 3.2    |
| 72.5° | 3.2    |
| 75°   | 3.2    |
| 77.5° | 1.6    |
| 80°   | 1.6    |
| 82.5° | 1.6    |
| 85°   | 1.6    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)