

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: P1268243

Luminaire Tested: P3AS20R459735D010 E3CD1MB

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1268243  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R459735D010 E3CD1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

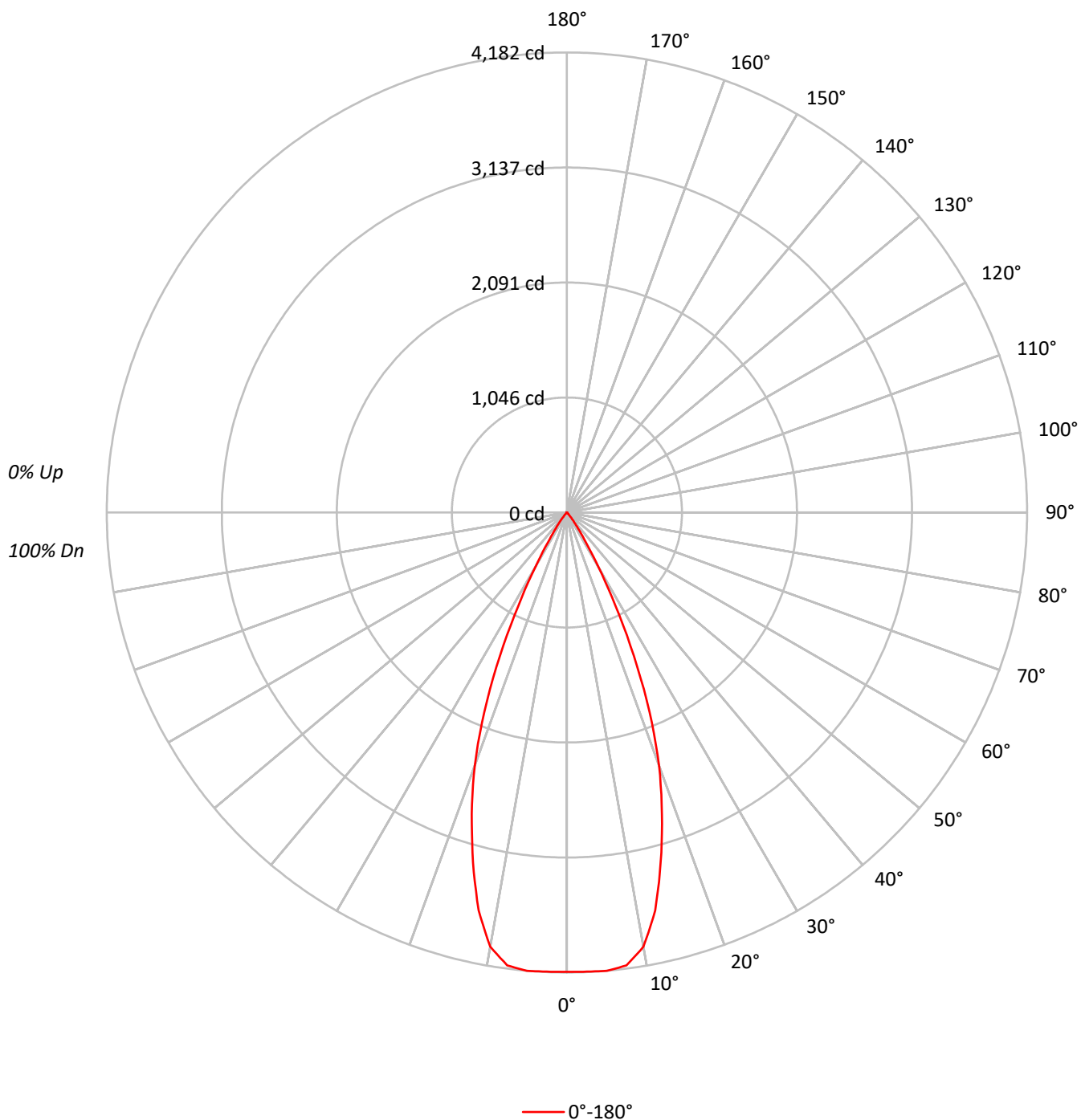
Lumens per Lamp: N/A  
Luminaire Lumens: 2112.1 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 100 | 99 | 99 |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 95  | 94 | 93 |
| 2   | 110 | 106 | 102 | 100 | 108 | 104 | 101 | 98  | 101 | 98  | 96  | 98  | 96  | 94  | 95  | 94  | 92  | 91  | 90 | 89 |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 91  | 94  | 91  | 89  | 92  | 90  | 88  | 86  | 85 | 84 |
| 4   | 102 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 89  | 86  | 90  | 87  | 85  | 88  | 86  | 84  | 82  | 81 | 80 |
| 5   | 98  | 91  | 86  | 82  | 96  | 90  | 85  | 82  | 88  | 84  | 81  | 87  | 83  | 81  | 85  | 82  | 80  | 79  | 78 | 77 |
| 6   | 94  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 76  | 75  | 74 | 73 |
| 7   | 90  | 83  | 78  | 74  | 89  | 82  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 73  | 72  | 71 | 70 |
| 8   | 87  | 79  | 74  | 71  | 86  | 79  | 74  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 69  | 68 | 67 |
| 9   | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  | 74  | 70  | 67  | 73  | 70  | 67  | 66  | 65 | 64 |
| 10  | 81  | 73  | 68  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 71  | 67  | 65  | 64  | 63 | 62 |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 915672 |
| 5°  | 920557 |
| 10° | 892257 |
| 15° | 747723 |
| 20° | 571576 |
| 25° | 347948 |
| 30° | 144782 |
| 35° | 46391  |
| 40° | 14427  |
| 45° | 2946   |
| 50° | 2149   |
| 55° | 2409   |
| 60° | 2061   |
| 65° | 2439   |
| 70° | 2052   |
| 75° | 2711   |
| 80° | 2020   |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 2946 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 394.4  | 18.7      |
| 10°-20°   | 905.3  | 42.9      |
| 20°-30°   | 651.8  | 30.9      |
| 30°-40°   | 135.6  | 6.4       |
| 40°-50°   | 12.4   | 0.6       |
| 50°-60°   | 5.1    | 0.2       |
| 60°-70°   | 4.1    | 0.2       |
| 70°-80°   | 2.7    | 0.1       |
| 80°-90°   | 0.7    | 0.0       |
| 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°    | 1951.5 | 92.4      |
| 0°-40°    | 2087.1 | 98.8      |
| 0°-60°    | 2104.6 | 99.6      |
| 0°-90°    | 2112.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2112.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4176 |      |
| 5°  | 4182 | 394  |
| 15° | 3294 | 905  |
| 25° | 1438 | 652  |
| 35° | 173  | 136  |
| 45° | 10   | 12   |
| 55° | 6    | 5    |
| 65° | 5    | 4    |
| 75° | 3    | 3    |
| 85° | 0    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 4175.8 |
| 2.5°  | 4177.4 |
| 5°    | 4182.1 |
| 7.5°  | 4152.2 |
| 10°   | 4007.2 |
| 12.5° | 3704.8 |
| 15°   | 3293.7 |
| 17.5° | 2873.1 |
| 20°   | 2449.4 |
| 22.5° | 1962.7 |
| 25°   | 1438.1 |
| 27.5° | 948.3  |
| 30°   | 571.8  |
| 32.5° | 319.8  |
| 35°   | 173.3  |
| 37.5° | 97.7   |
| 40°   | 50.4   |
| 42.5° | 22.1   |
| 45°   | 9.5    |
| 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°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)