

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: P1249188

Luminaire Tested: P3AS13R209027DE010 E3CD1MMS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1249188  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R209027DE010 E3CD1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

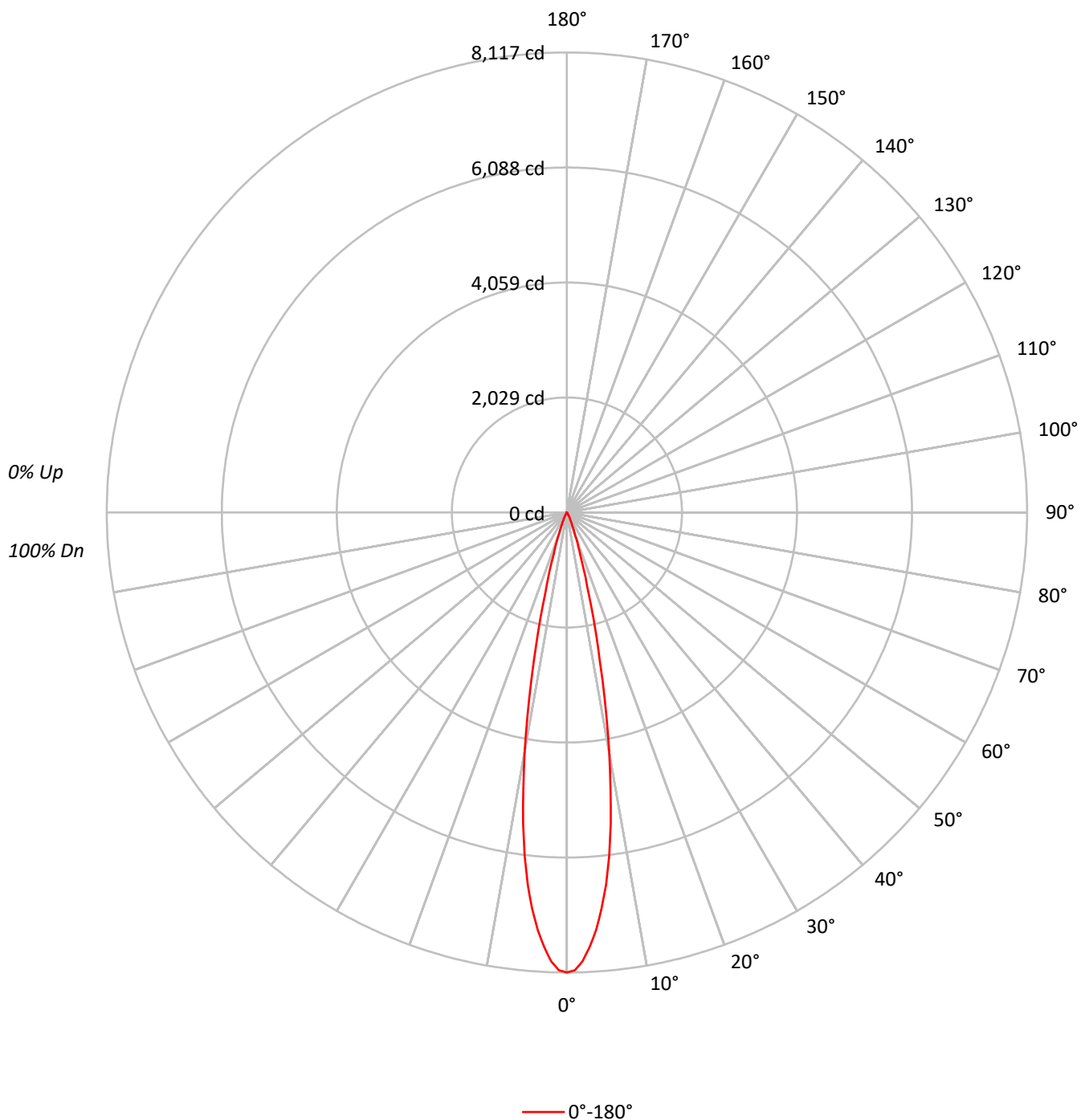
Lumens per Lamp: N/A  
Luminaire Lumens: 1146.0 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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   | 116 | 114 | 112 | 110 | 113 | 112 | 110 | 109 | 108 | 106 | 105 |  | 104 | 103 | 102 |  | 101 |
| 2   | 112 | 109 | 107 | 104 | 110 | 108 | 105 | 103 | 104 | 103 | 101 |  | 102 | 100 | 99  |  | 99  |
| 3   | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99  | 102 | 99  | 97  |  | 99  | 98  | 96  |  | 97  |
| 4   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 96  | 99  | 97  | 95  |  | 97  | 95  | 93  |  | 96  |
| 5   | 104 | 99  | 96  | 93  | 103 | 98  | 95  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 6   | 102 | 97  | 93  | 91  | 101 | 96  | 93  | 90  | 95  | 92  | 90  |  | 94  | 91  | 89  |  | 93  |
| 7   | 100 | 94  | 91  | 88  | 99  | 94  | 91  | 88  | 93  | 90  | 88  |  | 92  | 89  | 87  |  | 91  |
| 8   | 98  | 92  | 89  | 86  | 97  | 92  | 89  | 86  | 91  | 88  | 86  |  | 90  | 88  | 86  |  | 89  |
| 9   | 96  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 10  | 94  | 89  | 85  | 83  | 93  | 88  | 85  | 83  | 88  | 85  | 83  |  | 87  | 84  | 83  |  | 87  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1779879 |
| 5°  | 1544856 |
| 10° | 954558  |
| 15° | 331557  |
| 20° | 101812  |
| 25° | 36002   |
| 30° | 13319   |
| 35° | 5354    |
| 40° | 2863    |
| 45° | 1116    |
| 50° | 614     |
| 55° | 688     |
| 60° | 789     |
| 65° | 467     |
| 70° | 577     |
| 75° | 763     |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1116 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 582.5  | 50.8      |
| 10°-20°   | 462.2  | 40.3      |
| 20°-30°   | 80.0   | 7.0       |
| 30°-40°   | 14.5   | 1.3       |
| 40°-50°   | 3.3    | 0.3       |
| 50°-60°   | 1.6    | 0.1       |
| 60°-70°   | 1.0    | 0.1       |
| 70°-80°   | 0.8    | 0.1       |
| 80°-90°   | 0.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 1124.6 | 98.1      |
| 0°-40°    | 1139.2 | 99.4      |
| 0°-60°    | 1144.1 | 99.8      |
| 0°-90°    | 1146.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1146.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 8117 |      |
| 5°  | 7018 | 582  |
| 15° | 1460 | 462  |
| 25° | 149  | 80   |
| 35° | 20   | 15   |
| 45° | 4    | 3    |
| 55° | 2    | 2    |
| 65° | 1    | 1    |
| 75° | 1    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 8116.9 |
| 1°    | 8077.8 |
| 2°    | 7923.6 |
| 3°    | 7676.0 |
| 4°    | 7385.7 |
| 5°    | 7018.3 |
| 6°    | 6597.4 |
| 7°    | 6107.6 |
| 8°    | 5549.7 |
| 9°    | 4922.9 |
| 10°   | 4287.0 |
| 12.5° | 2704.1 |
| 15°   | 1460.5 |
| 17.5° | 780.1  |
| 20°   | 436.3  |
| 22.5° | 249.5  |
| 25°   | 148.8  |
| 27.5° | 90.7   |
| 30°   | 52.6   |
| 32.5° | 30.8   |
| 35°   | 20.0   |
| 37.5° | 13.6   |
| 40°   | 10.0   |
| 42.5° | 6.3    |
| 45°   | 3.6    |
| 47.5° | 1.8    |
| 50°   | 1.8    |
| 52.5° | 1.8    |
| 55°   | 1.8    |
| 57.5° | 1.8    |
| 60°   | 1.8    |
| 62.5° | 0.9    |
| 65°   | 0.9    |
| 67.5° | 0.9    |
| 70°   | 0.9    |
| 72.5° | 0.9    |
| 75°   | 0.9    |
| 77.5° | 0.9    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)