

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: P1254565

Luminaire Tested: P3AS13R129035DE010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1254565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R129035DE010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R12 optic, 3500K CCT AND, 90CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

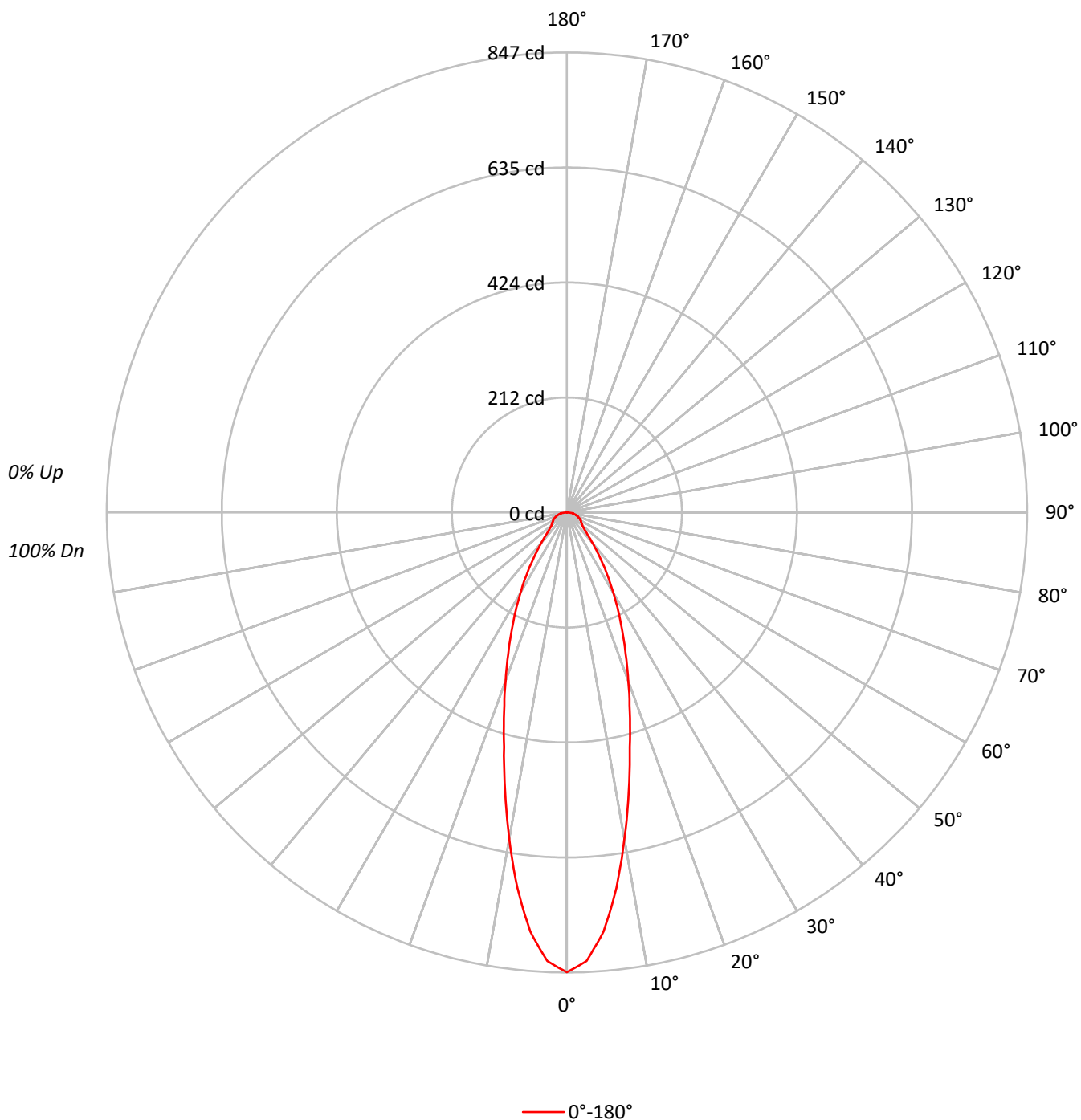
Lumens per Lamp: N/A  
Luminaire Lumens: 496.0 lumens  
Efficiency: N/A  
Efficacy: 32.0 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.5  
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 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  |  | 98  | 96  | 94  |  | 95  |
| 2   | 105 | 99  | 94  | 90  | 102 | 97  | 92  | 89  | 94  | 90  | 87  |  | 91  | 87  | 85  |  | 88  |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 78  |  | 84  | 80  | 77  |  | 82  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 76  | 71  |  | 79  | 74  | 71  |  | 77  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 67  | 76  | 70  | 66  |  | 74  | 69  | 65  |  | 72  |
| 6   | 83  | 73  | 67  | 62  | 82  | 73  | 66  | 62  | 71  | 65  | 61  |  | 70  | 65  | 61  |  | 68  |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 58  | 67  | 61  | 57  |  | 66  | 61  | 57  |  | 65  |
| 8   | 75  | 65  | 59  | 54  | 74  | 65  | 58  | 54  | 63  | 58  | 54  |  | 62  | 57  | 54  |  | 61  |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  |  | 59  | 54  | 51  |  | 58  |
| 10  | 69  | 59  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  |  | 56  | 51  | 48  |  | 56  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 185643 |
| 5°  | 170460 |
| 10° | 135825 |
| 15° | 101499 |
| 20° | 77077  |
| 25° | 58358  |
| 30° | 43171  |
| 35° | 30838  |
| 40° | 21125  |
| 45° | 14761  |
| 50° | 12588  |
| 55° | 12348  |
| 60° | 12806  |
| 65° | 13542  |
| 70° | 13784  |
| 75° | 14318  |
| 80° | 15532  |
| 85° | 15347  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 18144 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.6   | 13.8      |
| 10°-20°   | 125.4  | 25.3      |
| 20°-30°   | 111.1  | 22.4      |
| 30°-40°   | 72.8   | 14.7      |
| 40°-50°   | 38.9   | 7.8       |
| 50°-60°   | 29.4   | 5.9       |
| 60°-70°   | 25.3   | 5.1       |
| 70°-80°   | 17.4   | 3.5       |
| 80°-90°   | 7.1    | 1.4       |
| 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°    | 305.1  | 61.5      |
| 0°-40°    | 377.9  | 76.2      |
| 0°-60°    | 446.2  | 90.0      |
| 0°-90°    | 496.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 496.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 847 |      |
| 5°  | 774 | 69   |
| 15° | 447 | 125  |
| 25° | 241 | 111  |
| 35° | 115 | 73   |
| 45° | 48  | 39   |
| 55° | 32  | 29   |
| 65° | 26  | 25   |
| 75° | 17  | 17   |
| 85° | 6   | 7    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 846.6 |
| 2.5°  | 826.6 |
| 5°    | 774.4 |
| 7.5°  | 697.6 |
| 10°   | 610.0 |
| 12.5° | 525.5 |
| 15°   | 447.1 |
| 17.5° | 384.1 |
| 20°   | 330.3 |
| 22.5° | 282.7 |
| 25°   | 241.2 |
| 27.5° | 204.4 |
| 30°   | 170.5 |
| 32.5° | 141.4 |
| 35°   | 115.2 |
| 37.5° | 92.2  |
| 40°   | 73.8  |
| 42.5° | 58.4  |
| 45°   | 47.6  |
| 47.5° | 41.5  |
| 50°   | 36.9  |
| 52.5° | 35.3  |
| 55°   | 32.3  |
| 57.5° | 30.7  |
| 60°   | 29.2  |
| 62.5° | 27.7  |
| 65°   | 26.1  |
| 67.5° | 23.0  |
| 70°   | 21.5  |
| 72.5° | 18.4  |
| 75°   | 16.9  |
| 77.5° | 13.8  |
| 80°   | 12.3  |
| 82.5° | 10.8  |
| 85°   | 6.1   |
| 87.5° | 3.1   |
| 90°   | 0.0   |

(END OF REPORT)