

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: P1270560

Luminaire Tested: P3AS20R309740D010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1270560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R309740D010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

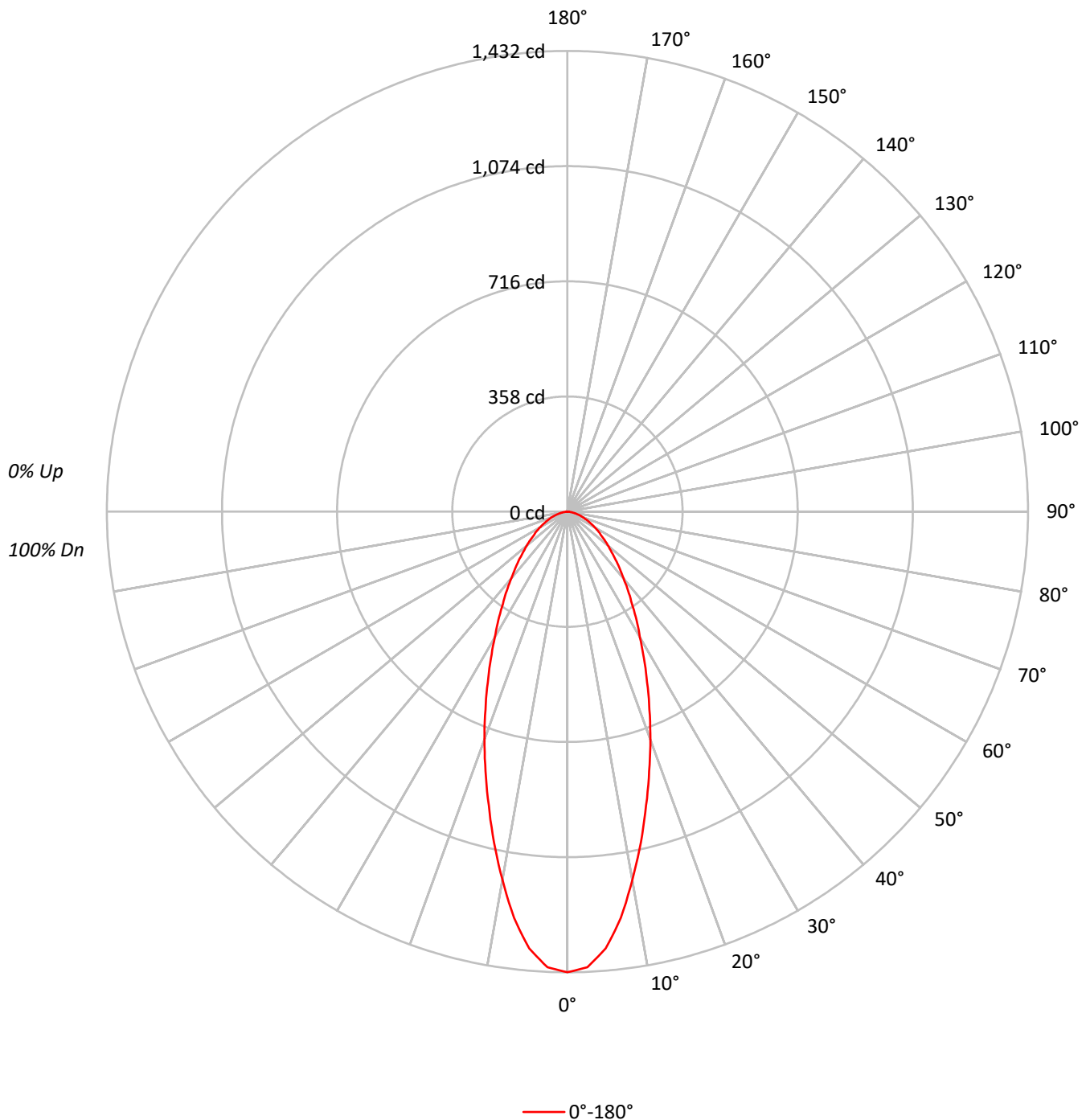
Lumens per Lamp: N/A  
Luminaire Lumens: 1274.0 lumens  
Efficiency: N/A  
Efficacy: 44.2 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  |  | 98  | 96  | 94  |  | 94  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  |  | 90  | 86  | 83  |  | 87  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 82  | 78  | 75  |  | 80  |
| 4   | 91  | 82  | 75  | 69  | 89  | 80  | 74  | 69  | 78  | 72  | 68  |  | 76  | 71  | 67  |  | 74  |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 67  | 62  | 72  | 66  | 62  |  | 70  | 65  | 61  |  | 69  |
| 6   | 80  | 69  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  |  | 65  | 60  | 56  |  | 64  |
| 7   | 76  | 65  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  |  | 61  | 56  | 52  |  | 60  |
| 8   | 71  | 60  | 53  | 48  | 70  | 60  | 53  | 48  | 58  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |
| 9   | 68  | 57  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  |  | 54  | 49  | 45  |  | 53  |
| 10  | 64  | 53  | 47  | 42  | 63  | 53  | 46  | 42  | 52  | 46  | 42  |  | 51  | 46  | 42  |  | 50  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 313922 |
| 5°  | 300043 |
| 10° | 258802 |
| 15° | 214530 |
| 20° | 175855 |
| 25° | 141758 |
| 30° | 114245 |
| 35° | 93585  |
| 40° | 77774  |
| 45° | 65929  |
| 50° | 56425  |
| 55° | 48782  |
| 60° | 43505  |
| 65° | 37981  |
| 70° | 33339  |
| 75° | 28043  |
| 80° | 20836  |
| 85° | 11825  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65929 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 123.6  | 9.7       |
| 10°-20°   | 263.5  | 20.7      |
| 20°-30°   | 270.1  | 21.2      |
| 30°-40°   | 220.8  | 17.3      |
| 40°-50°   | 165.1  | 13.0      |
| 50°-60°   | 116.0  | 9.1       |
| 60°-70°   | 73.0   | 5.7       |
| 70°-80°   | 35.2   | 2.8       |
| 80°-90°   | 6.7    | 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°    | 657.2  | 51.6      |
| 0°-40°    | 878.0  | 68.9      |
| 0°-60°    | 1159.1 | 91.0      |
| 0°-90°    | 1274.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1274.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1432 |      |
| 5°  | 1363 | 124  |
| 15° | 945  | 264  |
| 25° | 586  | 270  |
| 35° | 350  | 221  |
| 45° | 213  | 165  |
| 55° | 128  | 116  |
| 65° | 73   | 73   |
| 75° | 33   | 35   |
| 85° | 5    | 7    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1431.6 |
| 2.5°  | 1417.5 |
| 5°    | 1363.1 |
| 7.5°  | 1273.4 |
| 10°   | 1162.3 |
| 12.5° | 1053.7 |
| 15°   | 945.0  |
| 17.5° | 845.8  |
| 20°   | 753.6  |
| 22.5° | 666.2  |
| 25°   | 585.9  |
| 27.5° | 515.0  |
| 30°   | 451.2  |
| 32.5° | 399.3  |
| 35°   | 349.6  |
| 37.5° | 309.5  |
| 40°   | 271.7  |
| 42.5° | 241.0  |
| 45°   | 212.6  |
| 47.5° | 186.6  |
| 50°   | 165.4  |
| 52.5° | 146.5  |
| 55°   | 127.6  |
| 57.5° | 113.4  |
| 60°   | 99.2   |
| 62.5° | 85.0   |
| 65°   | 73.2   |
| 67.5° | 61.4   |
| 70°   | 52.0   |
| 72.5° | 42.5   |
| 75°   | 33.1   |
| 77.5° | 23.6   |
| 80°   | 16.5   |
| 82.5° | 9.4    |
| 85°   | 4.7    |
| 87.5° | 2.4    |
| 90°   | 0.0    |

(END OF REPORT)