

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: P1246119

Luminaire Tested: P3A05R309024DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1246119  
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: P3A05R309024DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

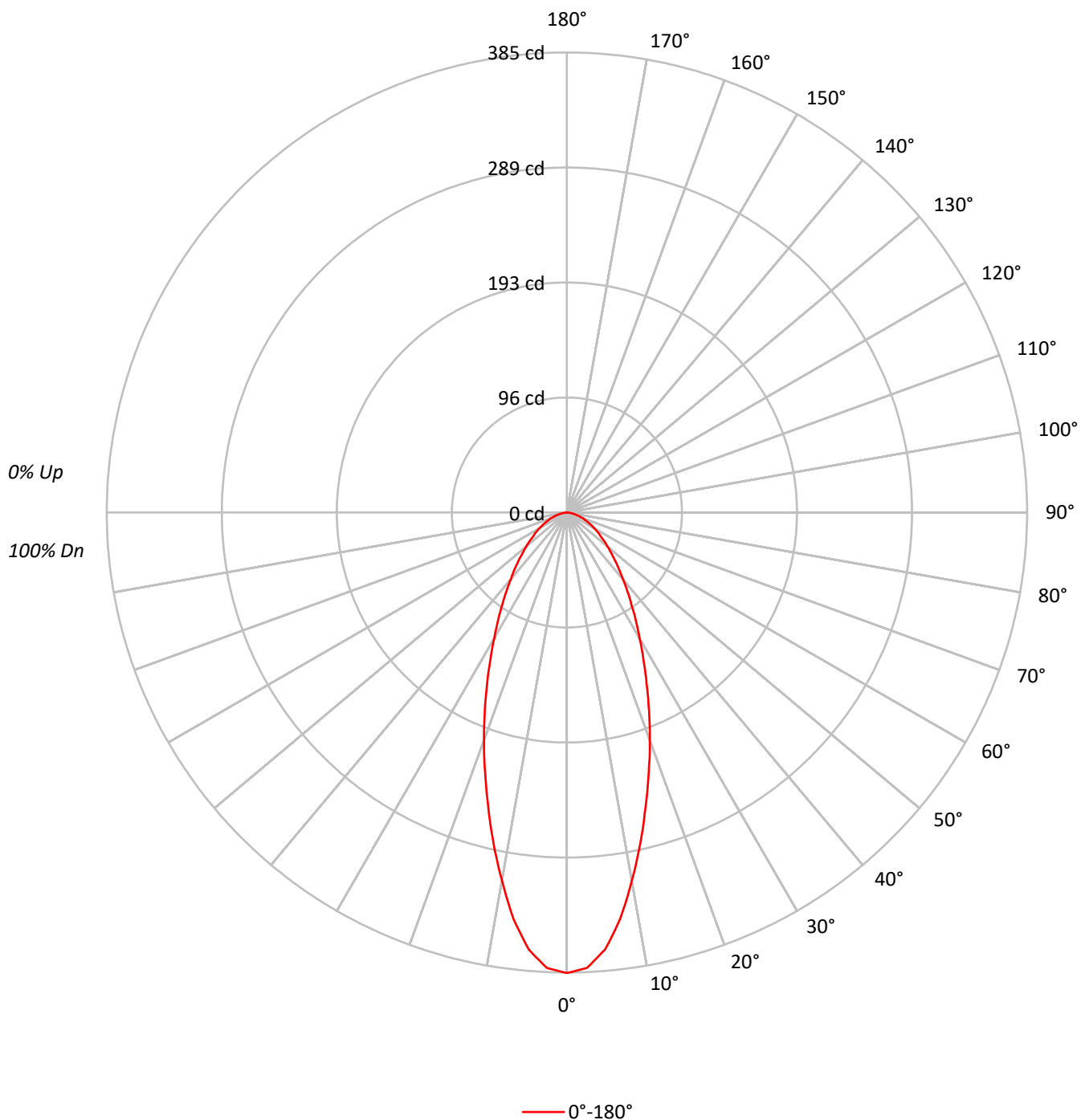
Lumens per Lamp: N/A  
Luminaire Lumens: 342.9 lumens  
Efficiency: N/A  
Efficacy: 47.6 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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   | 72  | 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°  | 84511 |
| 5°  | 80783 |
| 10° | 69671 |
| 15° | 57753 |
| 20° | 47347 |
| 25° | 38155 |
| 30° | 30764 |
| 35° | 25190 |
| 40° | 20925 |
| 45° | 17738 |
| 50° | 15181 |
| 55° | 13113 |
| 60° | 11710 |
| 65° | 10222 |
| 70° | 8976  |
| 75° | 7540  |
| 80° | 5683  |
| 85° | 3271  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17738 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.3   | 9.7       |
| 10°-20°   | 70.9   | 20.7      |
| 20°-30°   | 72.7   | 21.2      |
| 30°-40°   | 59.4   | 17.3      |
| 40°-50°   | 44.4   | 13.0      |
| 50°-60°   | 31.2   | 9.1       |
| 60°-70°   | 19.6   | 5.7       |
| 70°-80°   | 9.5    | 2.8       |
| 80°-90°   | 1.8    | 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°    | 176.9  | 51.6      |
| 0°-40°    | 236.4  | 68.9      |
| 0°-60°    | 312.0  | 91.0      |
| 0°-90°    | 342.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 342.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 385 |      |
| 5°  | 367 | 33   |
| 15° | 254 | 71   |
| 25° | 158 | 73   |
| 35° | 94  | 59   |
| 45° | 57  | 44   |
| 55° | 34  | 31   |
| 65° | 20  | 20   |
| 75° | 9   | 9    |
| 85° | 1   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 385.4 |
| 2.5°  | 381.6 |
| 5°    | 367.0 |
| 7.5°  | 342.8 |
| 10°   | 312.9 |
| 12.5° | 283.7 |
| 15°   | 254.4 |
| 17.5° | 227.7 |
| 20°   | 202.9 |
| 22.5° | 179.4 |
| 25°   | 157.7 |
| 27.5° | 138.7 |
| 30°   | 121.5 |
| 32.5° | 107.5 |
| 35°   | 94.1  |
| 37.5° | 83.3  |
| 40°   | 73.1  |
| 42.5° | 64.9  |
| 45°   | 57.2  |
| 47.5° | 50.2  |
| 50°   | 44.5  |
| 52.5° | 39.4  |
| 55°   | 34.3  |
| 57.5° | 30.5  |
| 60°   | 26.7  |
| 62.5° | 22.9  |
| 65°   | 19.7  |
| 67.5° | 16.5  |
| 70°   | 14.0  |
| 72.5° | 11.4  |
| 75°   | 8.9   |
| 77.5° | 6.4   |
| 80°   | 4.5   |
| 82.5° | 2.5   |
| 85°   | 1.3   |
| 87.5° | 0.6   |
| 90°   | 0.0   |

(END OF REPORT)