

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: P1292849

Luminaire Tested: P3A09R30W2N902765DE010 E3PHLP1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1292849  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R30W2N902765DE010 E3PHLP1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

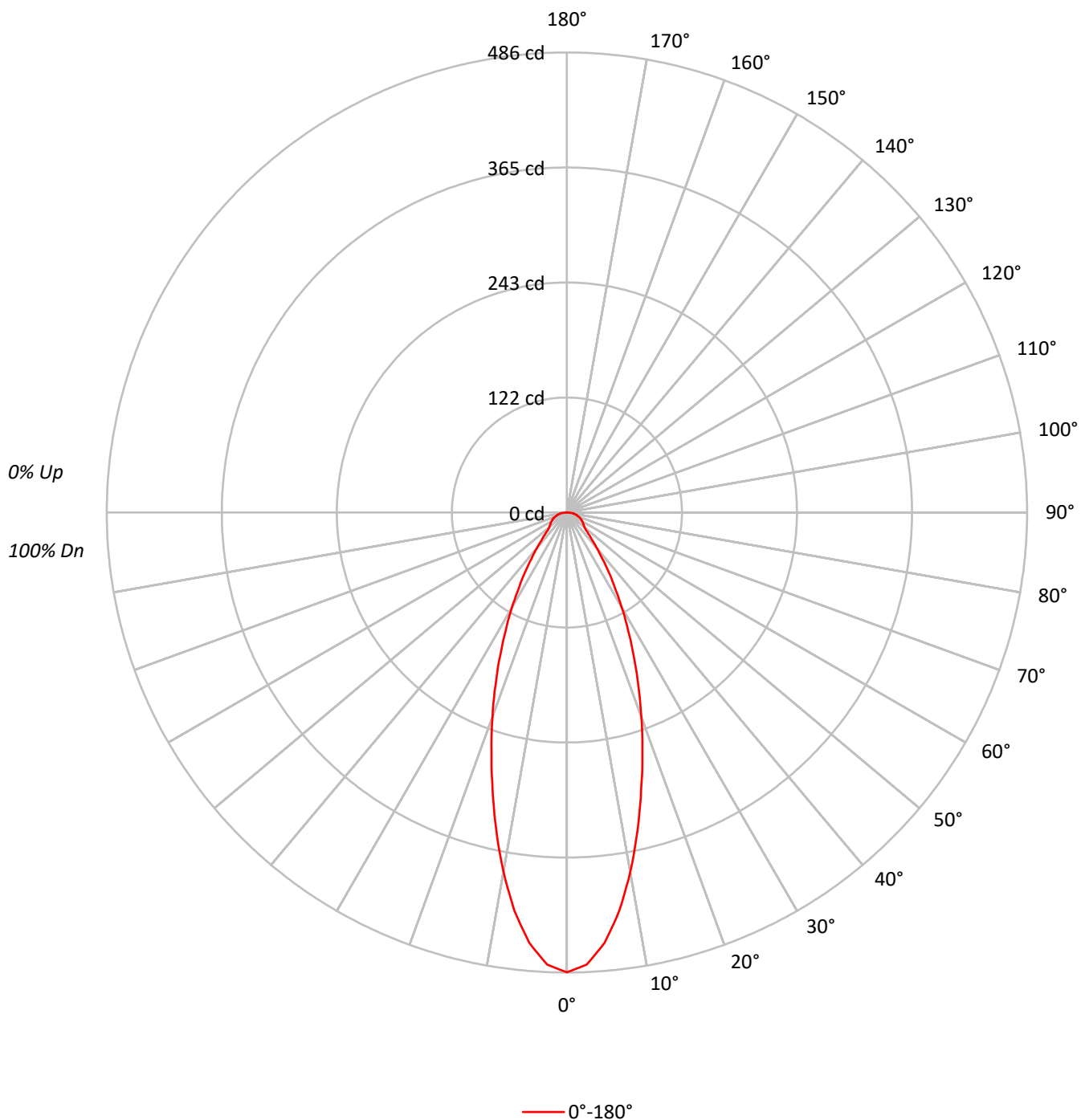
Lumens per Lamp: N/A  
Luminaire Lumens: 328.0 lumens  
Efficiency: N/A  
Efficacy: 36.4 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 9  
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 | 101 | 102 | 100 | 97  |  | 98  | 96  | 94  |  | 95  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  |  | 91  | 88  | 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  | 66  | 75  | 70  | 66  |  | 74  | 69  | 65  |  | 72  |
| 6   | 83  | 73  | 67  | 62  | 82  | 72  | 66  | 62  | 71  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 7   | 79  | 69  | 62  | 57  | 78  | 68  | 62  | 57  | 67  | 61  | 57  |  | 66  | 60  | 57  |  | 64  |
| 8   | 75  | 65  | 58  | 54  | 74  | 64  | 58  | 54  | 63  | 57  | 53  |  | 62  | 57  | 53  |  | 61  |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  |  | 59  | 54  | 50  |  | 58  |
| 10  | 68  | 58  | 52  | 48  | 67  | 58  | 52  | 48  | 57  | 51  | 48  |  | 56  | 51  | 47  |  | 55  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 106505 |
| 5°  | 100418 |
| 10° | 85837  |
| 15° | 68786  |
| 20° | 53625  |
| 25° | 40333  |
| 30° | 29422  |
| 35° | 20719  |
| 40° | 14227  |
| 45° | 10172  |
| 50° | 8324   |
| 55° | 8028   |
| 60° | 8113   |
| 65° | 8302   |
| 70° | 8655   |
| 75° | 9235   |
| 80° | 9597   |
| 85° | 10567  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 11256 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 41.3   | 12.6      |
| 10°-20°   | 84.2   | 25.7      |
| 20°-30°   | 76.7   | 23.4      |
| 30°-40°   | 48.8   | 14.9      |
| 40°-50°   | 26.1   | 8.0       |
| 50°-60°   | 19.1   | 5.8       |
| 60°-70°   | 16.1   | 4.9       |
| 70°-80°   | 11.2   | 3.4       |
| 80°-90°   | 4.5    | 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°    | 202.2  | 61.6      |
| 0°-40°    | 251.0  | 76.5      |
| 0°-60°    | 296.3  | 90.3      |
| 0°-90°    | 328.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 328.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 486 |      |
| 5°  | 456 | 41   |
| 15° | 303 | 84   |
| 25° | 167 | 77   |
| 35° | 77  | 49   |
| 45° | 33  | 26   |
| 55° | 21  | 19   |
| 65° | 16  | 16   |
| 75° | 11  | 11   |
| 85° | 4   | 4    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 485.7 |
| 2.5°  | 478.1 |
| 5°    | 456.2 |
| 7.5°  | 424.2 |
| 10°   | 385.5 |
| 12.5° | 344.3 |
| 15°   | 303.0 |
| 17.5° | 265.1 |
| 20°   | 229.8 |
| 22.5° | 197.0 |
| 25°   | 166.7 |
| 27.5° | 139.7 |
| 30°   | 116.2 |
| 32.5° | 94.3  |
| 35°   | 77.4  |
| 37.5° | 61.4  |
| 40°   | 49.7  |
| 42.5° | 39.6  |
| 45°   | 32.8  |
| 47.5° | 26.9  |
| 50°   | 24.4  |
| 52.5° | 22.7  |
| 55°   | 21.0  |
| 57.5° | 20.2  |
| 60°   | 18.5  |
| 62.5° | 17.7  |
| 65°   | 16.0  |
| 67.5° | 15.2  |
| 70°   | 13.5  |
| 72.5° | 11.8  |
| 75°   | 10.9  |
| 77.5° | 9.3   |
| 80°   | 7.6   |
| 82.5° | 6.7   |
| 85°   | 4.2   |
| 87.5° | 1.7   |
| 90°   | 0.0   |

(END OF REPORT)