

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: P1292655

Luminaire Tested: P3A09R30W2N902750DE010 E3PHLD1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1292655  
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: P3A09R30W2N902750DE010 E3PHLD1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

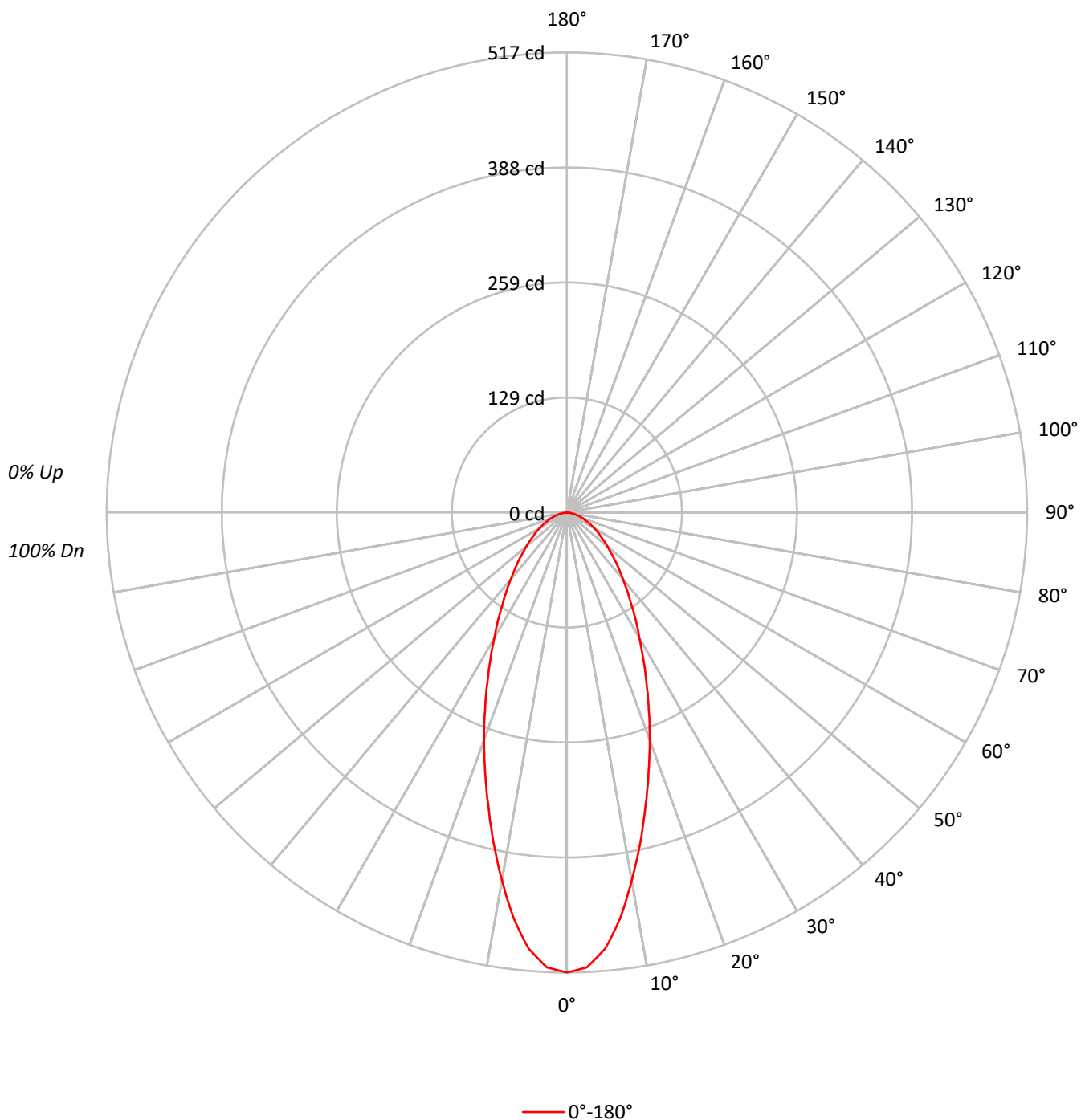
Lumens per Lamp: N/A  
Luminaire Lumens: 460.0 lumens  
Efficiency: N/A  
Efficacy: 51.1 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1292655

CATALOG NUMBER: P3A09R30W2N902750DE010 E3PHLD1MW\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1292655

CATALOG NUMBER: P3A09R30W2N902750DE010 E3PHLD1MW\_4000K

### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|---|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |  |  |   |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |  |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |  |   |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 90  |  |  |   |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 90  | 86  | 83  | 87  | 84  | 82  | 80  |  |  |   |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  | 82  | 78  | 75  | 80  | 76  | 73  | 71  |  |  |   |
| 4   | 91  | 82  | 75  | 69  | 89  | 80  | 74  | 69  | 78  | 72  | 68  | 76  | 71  | 67  | 74  | 70  | 66  | 65  |  |  |   |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 67  | 62  | 72  | 66  | 62  | 70  | 65  | 61  | 69  | 64  | 61  | 59  |  |  |   |
| 6   | 80  | 69  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 54  |  |  |   |
| 7   | 76  | 65  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 51  | 50  |  |  |   |
| 8   | 71  | 60  | 53  | 48  | 70  | 60  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 46  |  |  |   |
| 9   | 68  | 57  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 44  | 43  |  |  |   |
| 10  | 64  | 53  | 47  | 42  | 63  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50  | 45  | 42  | 40  |  |  |   |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 113346 |
| 5°  | 108342 |
| 10° | 93452  |
| 15° | 77458  |
| 20° | 63496  |
| 25° | 51172  |
| 30° | 41247  |
| 35° | 33783  |
| 40° | 28081  |
| 45° | 23816  |
| 50° | 20366  |
| 55° | 17624  |
| 60° | 15700  |
| 65° | 13698  |
| 70° | 12053  |
| 75° | 10082  |
| 80° | 7577   |
| 85° | 4277   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 23816 cd/sqm

TEST NUMBER: P1292655

CATALOG NUMBER: P3A09R30W2N902750DE010 E3PHLD1MW\_4000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 44.6   | 9.7       |
| 10°-20°   | 95.1   | 20.7      |
| 20°-30°   | 97.5   | 21.2      |
| 30°-40°   | 79.7   | 17.3      |
| 40°-50°   | 59.6   | 13.0      |
| 50°-60°   | 41.9   | 9.1       |
| 60°-70°   | 26.3   | 5.7       |
| 70°-80°   | 12.7   | 2.8       |
| 80°-90°   | 2.4    | 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°    | 237.3  | 51.6      |
| 0°-40°    | 317.0  | 68.9      |
| 0°-60°    | 418.5  | 91.0      |
| 0°-90°    | 460.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 460.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 517 |      |
| 5°  | 492 | 45   |
| 15° | 341 | 95   |
| 25° | 212 | 98   |
| 35° | 126 | 80   |
| 45° | 77  | 60   |
| 55° | 46  | 42   |
| 65° | 26  | 26   |
| 75° | 12  | 13   |
| 85° | 2   | 2    |
| 90° | 0   |      |

TEST NUMBER: P1292655

CATALOG NUMBER: P3A09R30W2N902750DE010 E3PHLD1MW\_4000K

**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 516.9 |
| 2.5°  | 511.8 |
| 5°    | 492.2 |
| 7.5°  | 459.8 |
| 10°   | 419.7 |
| 12.5° | 380.4 |
| 15°   | 341.2 |
| 17.5° | 305.4 |
| 20°   | 272.1 |
| 22.5° | 240.5 |
| 25°   | 211.5 |
| 27.5° | 186.0 |
| 30°   | 162.9 |
| 32.5° | 144.2 |
| 35°   | 126.2 |
| 37.5° | 111.7 |
| 40°   | 98.1  |
| 42.5° | 87.0  |
| 45°   | 76.8  |
| 47.5° | 67.4  |
| 50°   | 59.7  |
| 52.5° | 52.9  |
| 55°   | 46.1  |
| 57.5° | 40.9  |
| 60°   | 35.8  |
| 62.5° | 30.7  |
| 65°   | 26.4  |
| 67.5° | 22.2  |
| 70°   | 18.8  |
| 72.5° | 15.4  |
| 75°   | 11.9  |
| 77.5° | 8.5   |
| 80°   | 6.0   |
| 82.5° | 3.4   |
| 85°   | 1.7   |
| 87.5° | 0.9   |
| 90°   | 0.0   |

(END OF REPORT)