

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: P1295643

Luminaire Tested: P3A13R15W2N902765DE010 E3PH1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1295643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R15W2N902765DE010 E3PH1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI ,  
E3PH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

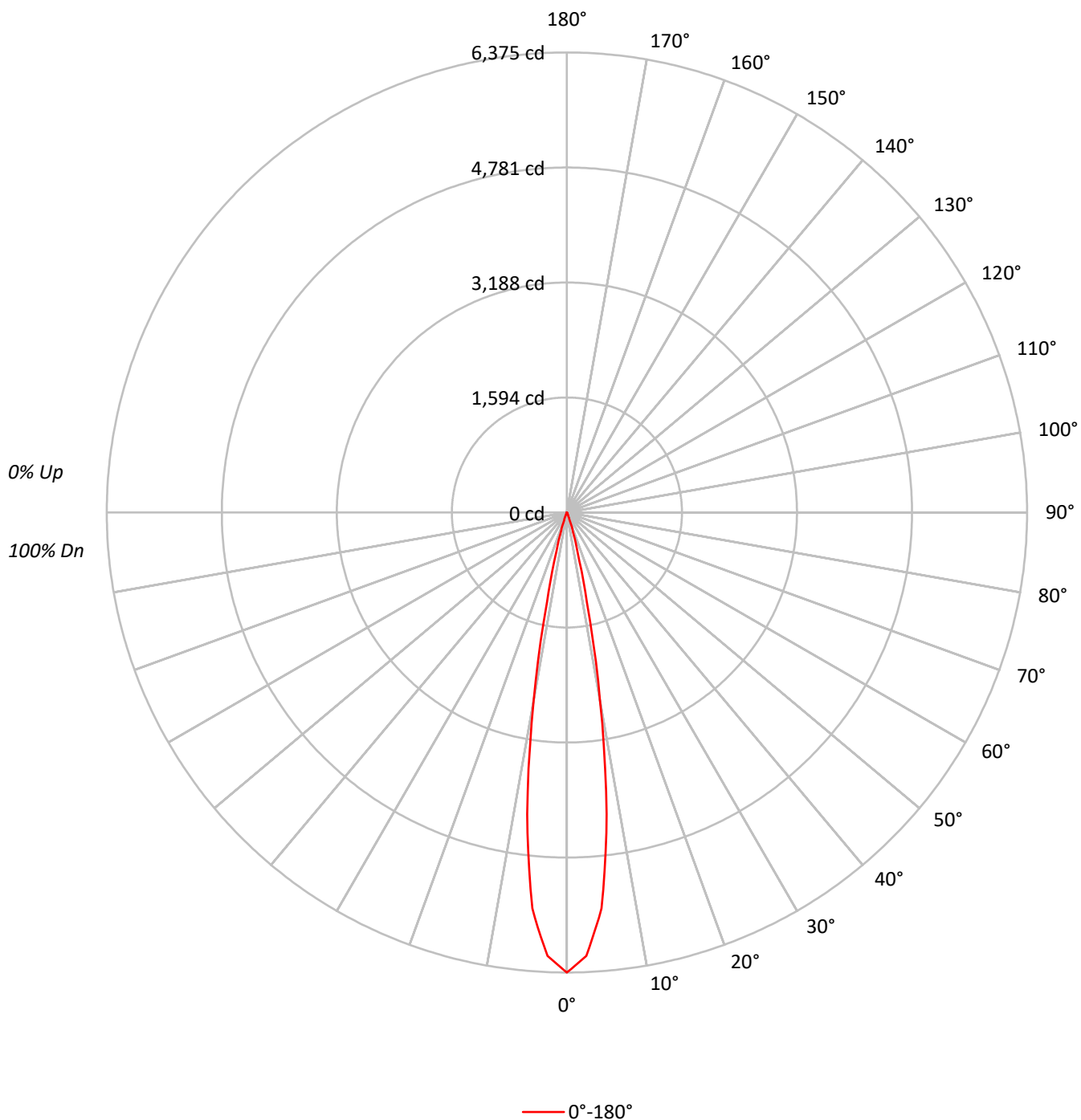
Lumens per Lamp: N/A  
Luminaire Lumens: 663.0 lumens  
Efficiency: N/A  
Efficacy: 53.9 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.29  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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: P1295643

CATALOG NUMBER: P3A13R15W2N902765DE010 E3PH1MW\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1295643

CATALOG NUMBER: P3A13R15W2N902765DE010 E3PH1MW\_3500K

**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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1   | 116 | 114 | 113 | 111 | 114 | 112 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 101 | 101 | 100 | 99  | 99  | 99  |
| 2   | 113 | 110 | 108 | 106 | 111 | 109 | 107 | 105 | 106 | 104 | 103 | 103 | 102 | 100 | 100 | 99  | 98  | 97  | 97  | 97  |
| 3   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 104 | 101 | 100 | 101 | 100 | 98  | 99  | 98  | 97  | 96  | 96  | 96  |
| 4   | 109 | 104 | 101 | 99  | 107 | 103 | 101 | 99  | 102 | 99  | 98  | 100 | 98  | 97  | 98  | 97  | 95  | 94  | 94  | 94  |
| 5   | 107 | 102 | 99  | 97  | 105 | 101 | 99  | 96  | 100 | 98  | 96  | 99  | 96  | 95  | 97  | 96  | 94  | 93  | 93  | 93  |
| 6   | 105 | 100 | 97  | 95  | 104 | 100 | 97  | 95  | 98  | 96  | 94  | 97  | 95  | 93  | 96  | 94  | 93  | 92  | 92  | 92  |
| 7   | 103 | 98  | 95  | 93  | 102 | 98  | 95  | 93  | 97  | 94  | 93  | 96  | 94  | 92  | 95  | 93  | 92  | 91  | 91  | 91  |
| 8   | 101 | 97  | 94  | 92  | 101 | 96  | 94  | 92  | 96  | 93  | 91  | 95  | 93  | 91  | 94  | 92  | 91  | 90  | 90  | 90  |
| 9   | 100 | 95  | 92  | 90  | 99  | 95  | 92  | 90  | 94  | 92  | 90  | 94  | 91  | 90  | 93  | 91  | 90  | 89  | 89  | 89  |
| 10  | 99  | 94  | 91  | 89  | 98  | 94  | 91  | 89  | 93  | 91  | 89  | 93  | 90  | 89  | 92  | 90  | 89  | 88  | 88  | 88  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1397892 |
| 5°  | 1212015 |
| 10° | 589301  |
| 15° | 125721  |
| 20° | 26416   |
| 25° | 7863    |
| 30° | 1696    |
| 35° | 294     |
| 40° | 0       |
| 45° | 0       |
| 50° | 0       |
| 55° | 0       |
| 60° | 0       |
| 65° | 0       |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 0 cd/sqm

TEST NUMBER: P1295643

CATALOG NUMBER: P3A13R15W2N902765DE010 E3PH1MW\_3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 430.1  | 64.9      |
| 10°-20°   | 213.9  | 32.3      |
| 20°-30°   | 17.8   | 2.7       |
| 30°-40°   | 1.2    | 0.2       |
| 40°-50°   | 0.0    | 0.0       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 661.8  | 99.8      |
| 0°-40°    | 663.0  | 100.0     |
| 0°-60°    | 663.0  | 100.0     |
| 0°-90°    | 663.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 663.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 6375 |      |
| 5°  | 5506 | 430  |
| 15° | 554  | 214  |
| 25° | 32   | 18   |
| 35° | 1    | 1    |
| 45° | 0    | 0    |
| 55° | 0    | 0    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



TEST NUMBER: P1295643

CATALOG NUMBER: P3A13R15W2N902765DE010 E3PH1MW\_3500K

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 6374.9 |
| 2.5°  | 6151.8 |
| 5°    | 5506.2 |
| 7.5°  | 4215.9 |
| 10°   | 2646.6 |
| 12.5° | 1273.4 |
| 15°   | 553.8  |
| 17.5° | 282.5  |
| 20°   | 113.2  |
| 22.5° | 56.0   |
| 25°   | 32.5   |
| 27.5° | 16.8   |
| 30°   | 6.7    |
| 32.5° | 2.2    |
| 35°   | 1.1    |
| 37.5° | 1.1    |
| 40°   | 0.0    |
| 42.5° | 0.0    |
| 45°   | 0.0    |
| 47.5° | 0.0    |
| 50°   | 0.0    |
| 52.5° | 0.0    |
| 55°   | 0.0    |
| 57.5° | 0.0    |
| 60°   | 0.0    |
| 62.5° | 0.0    |
| 65°   | 0.0    |
| 67.5° | 0.0    |
| 70°   | 0.0    |
| 72.5° | 0.0    |
| 75°   | 0.0    |
| 77.5° | 0.0    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)