

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: P1426054

Luminaire Tested: P3A02RH9727DE010 E3HY1WMH

Issue Date: 3/9/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1426054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02RH9727DE010 E3HY1WMH  
Description: 3in Adjustable LED luminaire with, RH optic, 2700K CCT AND, 97CRI , E3HY1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

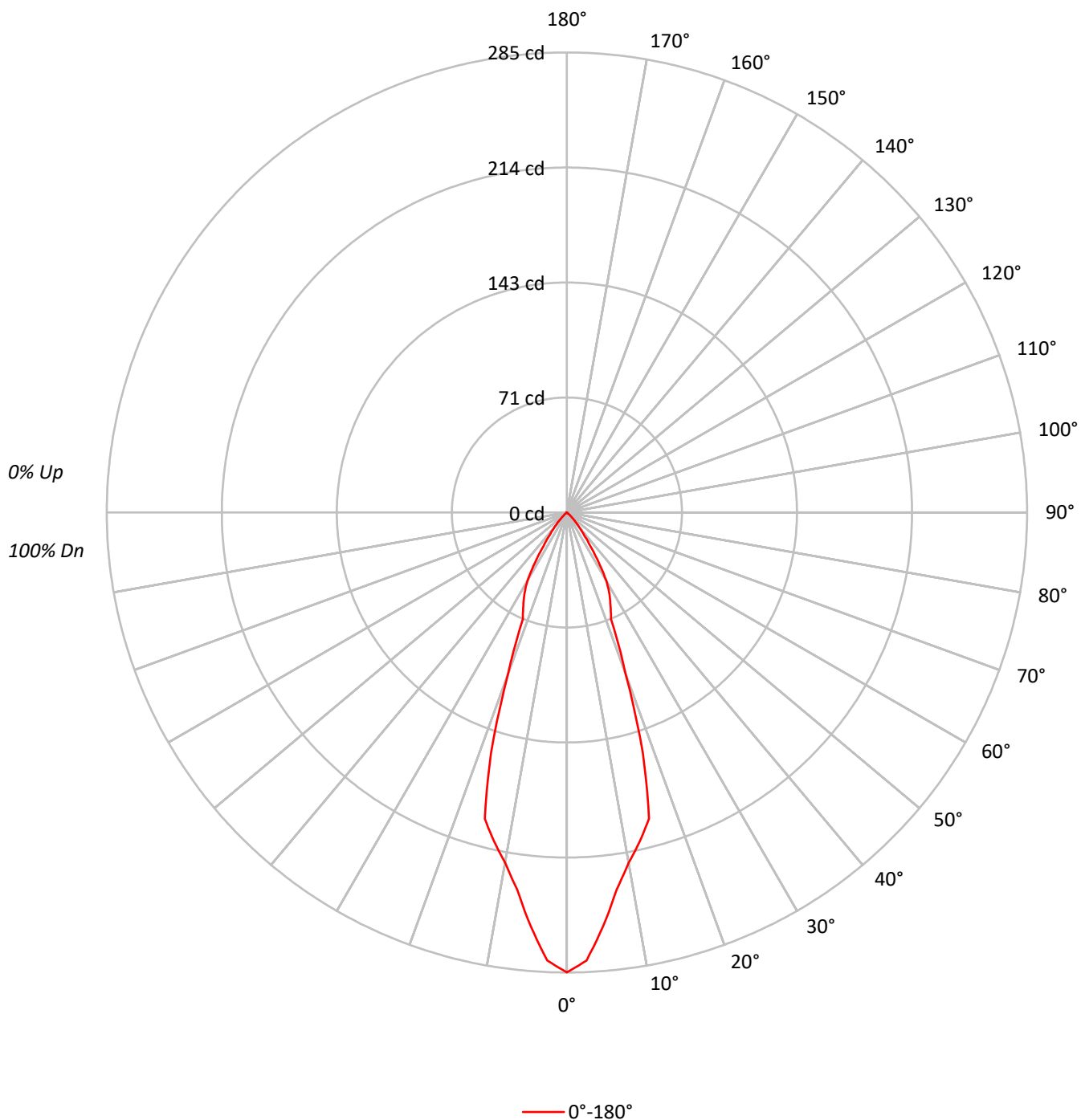
Lumens per Lamp: N/A  
Luminaire Lumens: 125.0 lumens  
Efficiency: N/A  
Efficacy: 34.7 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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: P1426054

CATALOG NUMBER: P3A02RH9727DE010 E3HY1WMH

### Luminous Intensity Polar Plot



TEST NUMBER: P1426054

CATALOG NUMBER: P3A02RH9727DE010 E3HY1WMH

**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   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  |
| 2   | 109 | 105 | 102 | 99  | 107 | 104 | 100 | 98  | 100 | 98  | 96  |  | 97  | 95  | 93  |  | 95  |
| 3   | 105 | 99  | 95  | 92  | 103 | 98  | 94  | 91  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  |
| 4   | 101 | 94  | 89  | 86  | 99  | 93  | 89  | 85  | 91  | 87  | 84  |  | 89  | 86  | 83  |  | 87  |
| 5   | 96  | 89  | 84  | 81  | 95  | 88  | 84  | 80  | 87  | 83  | 79  |  | 85  | 82  | 79  |  | 84  |
| 6   | 93  | 85  | 80  | 76  | 91  | 84  | 79  | 76  | 83  | 78  | 75  |  | 81  | 78  | 75  |  | 80  |
| 7   | 89  | 81  | 76  | 72  | 88  | 80  | 75  | 72  | 79  | 75  | 72  |  | 78  | 74  | 71  |  | 77  |
| 8   | 85  | 77  | 72  | 69  | 84  | 77  | 72  | 68  | 76  | 71  | 68  |  | 75  | 71  | 68  |  | 74  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 62  | 78  | 70  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 62473 |
| 5°  | 56636 |
| 10° | 49053 |
| 15° | 44586 |
| 20° | 24875 |
| 25° | 15436 |
| 30° | 12382 |
| 35° | 6746  |
| 40° | 3406  |
| 45° | 1520  |
| 50° | 478   |
| 55° | 76    |
| 60° | 0     |
| 65° | 0     |
| 70° | 0     |
| 75° | 0     |
| 80° | 0     |
| 85° | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1520 cd/sqm

TEST NUMBER: P1426054

CATALOG NUMBER: P3A02RH9727DE010 E3HY1WMH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.3   | 18.7      |
| 10°-20°   | 49.8   | 39.8      |
| 20°-30°   | 30.6   | 24.5      |
| 30°-40°   | 16.7   | 13.4      |
| 40°-50°   | 4.2    | 3.4       |
| 50°-60°   | 0.4    | 0.3       |
| 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°    | 103.7  | 83.0      |
| 0°-40°    | 120.5  | 96.3      |
| 0°-60°    | 125.0  | 100.0     |
| 0°-90°    | 125.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 125.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 285 |      |
| 5°  | 257 | 23   |
| 15° | 196 | 50   |
| 25° | 64  | 31   |
| 35° | 25  | 17   |
| 45° | 5   | 4    |
| 55° | 0   | 0    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |

TEST NUMBER: P1426054

CATALOG NUMBER: P3A02RH9727DE010 E3HY1WMH

**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 284.9 |
| 2.5°  | 277.8 |
| 5°    | 257.3 |
| 7.5°  | 235.6 |
| 10°   | 220.3 |
| 12.5° | 208.6 |
| 15°   | 196.4 |
| 17.5° | 156.3 |
| 20°   | 106.6 |
| 22.5° | 71.4  |
| 25°   | 63.8  |
| 27.5° | 57.1  |
| 30°   | 48.9  |
| 32.5° | 36.6  |
| 35°   | 25.2  |
| 37.5° | 17.2  |
| 40°   | 11.9  |
| 42.5° | 8.0   |
| 45°   | 4.9   |
| 47.5° | 2.7   |
| 50°   | 1.4   |
| 52.5° | 0.6   |
| 55°   | 0.2   |
| 57.5° | 0.2   |
| 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)