

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: P1426931

Luminaire Tested: P3A20RH9827D010 E3HY1B

Issue Date: 3/9/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1426931  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20RH9827D010 E3HY1B  
Description: 3in Adjustable LED luminaire with, RH optic, 2700K CCT AND, 98CRI , E3HY1B TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

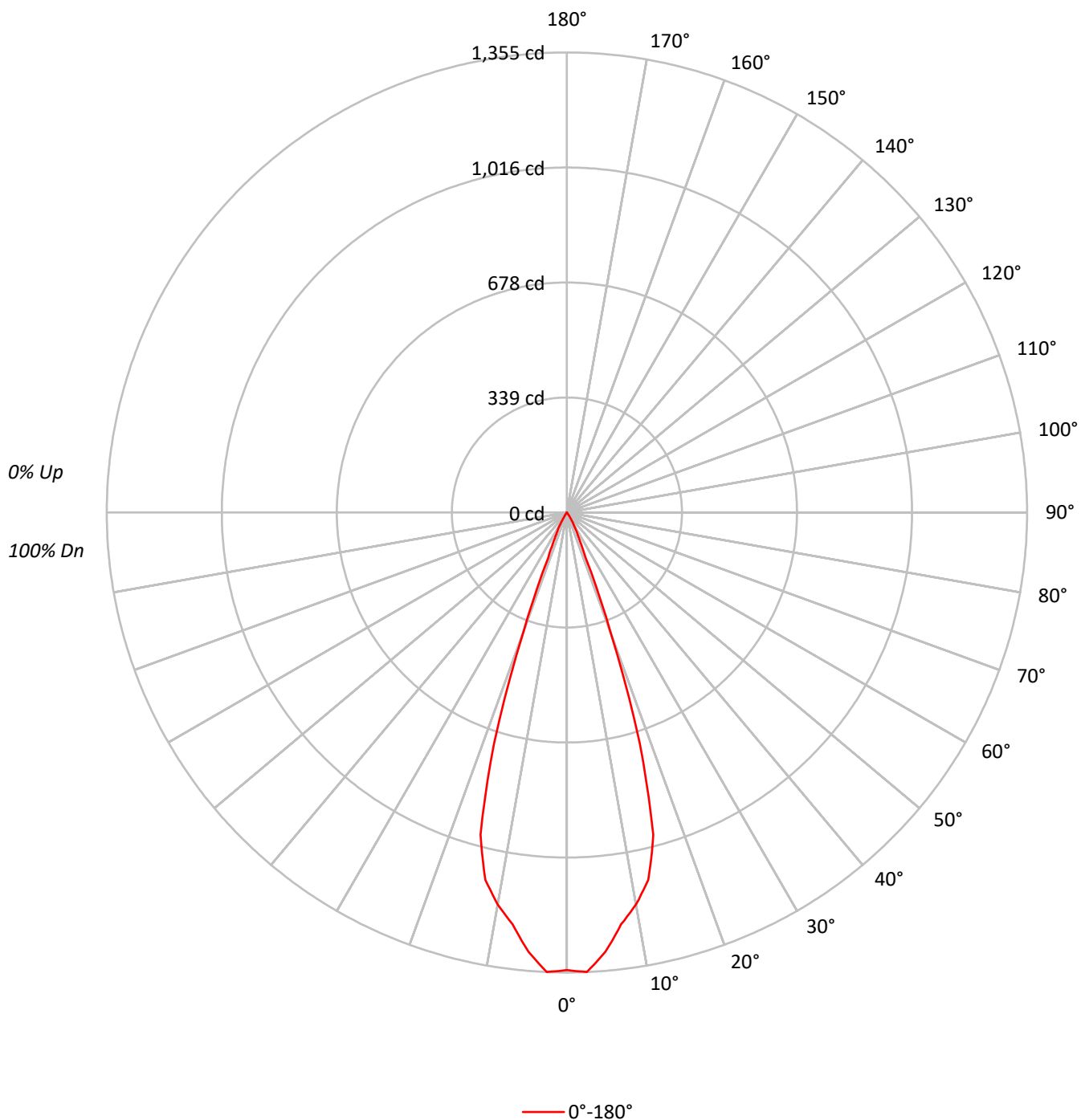
Lumens per Lamp: N/A  
Luminaire Lumens: 420.0 lumens  
Efficiency: N/A  
Efficacy: 15.3 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.51  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 98  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 95  |
| 4   | 105 | 99  | 95  | 92  | 103 | 98  | 95  | 92  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 5   | 102 | 96  | 92  | 89  | 100 | 95  | 91  | 88  | 93  | 90  | 88  |  | 92  | 89  | 87  |  | 90  |
| 6   | 99  | 92  | 88  | 85  | 97  | 92  | 88  | 85  | 90  | 87  | 85  |  | 89  | 86  | 84  |  | 88  |
| 7   | 96  | 89  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 82  |  | 87  | 84  | 81  |  | 86  |
| 8   | 93  | 87  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 9   | 91  | 84  | 80  | 77  | 90  | 84  | 80  | 77  | 83  | 79  | 77  |  | 82  | 79  | 77  |  | 81  |
| 10  | 88  | 82  | 78  | 75  | 87  | 81  | 77  | 75  | 81  | 77  | 75  |  | 80  | 77  | 75  |  | 79  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 295525 |
| 5°  | 285978 |
| 10° | 261006 |
| 15° | 223066 |
| 20° | 87531  |
| 25° | 20009  |
| 30° | 9039   |
| 35° | 1151   |
| 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

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 119.5  | 28.4      |
| 10°-20°   | 242.1  | 57.6      |
| 20°-30°   | 52.7   | 12.5      |
| 30°-40°   | 5.8    | 1.4       |
| 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°    | 414.2  | 98.6      |
| 0°-40°    | 420.0  | 100.0     |
| 0°-60°    | 420.0  | 100.0     |
| 0°-90°    | 420.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 420.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1348 |      |
| 5°  | 1299 | 119  |
| 15° | 983  | 242  |
| 25° | 83   | 53   |
| 35° | 4    | 6    |
| 45° | 0    | 0    |
| 55° | 0    | 0    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1347.7 |
| 2.5°  | 1354.8 |
| 5°    | 1299.2 |
| 7.5°  | 1223.6 |
| 10°   | 1172.2 |
| 12.5° | 1108.1 |
| 15°   | 982.6  |
| 17.5° | 713.0  |
| 20°   | 375.1  |
| 22.5° | 144.0  |
| 25°   | 82.7   |
| 27.5° | 55.6   |
| 30°   | 35.7   |
| 32.5° | 15.7   |
| 35°   | 4.3    |
| 37.5° | 1.4    |
| 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)