

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: P1271505

Luminaire Tested: P3AS09R159827DE010 E3CD1MB

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1271505  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R159827DE010 E3CD1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

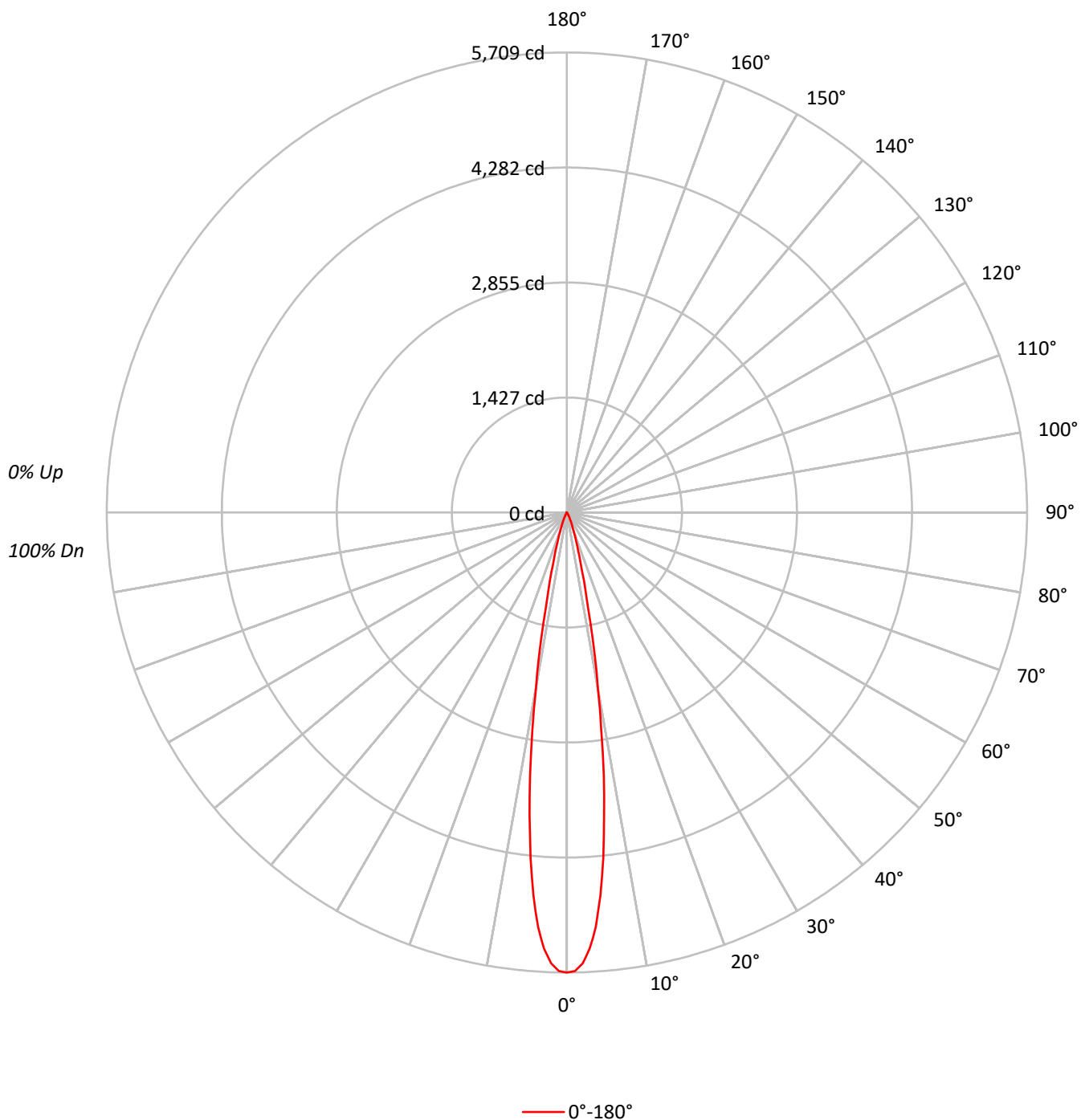
Lumens per Lamp: N/A  
Luminaire Lumens: 644.0 lumens  
Efficiency: N/A  
Efficacy: 58.5 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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: P1271505

CATALOG NUMBER: P3AS09R159827DE010 E3CD1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1271505

CATALOG NUMBER: P3AS09R159827DE010 E3CD1MB

**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 |    |    |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 103 | 101 | 100 | 100 | 98  |    |    |
| 2   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 96  |    |    |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 97  | 95  | 94  |    |    |
| 4   | 107 | 103 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 96  | 94  | 97  | 95  | 93  | 92  |    |    |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 92  | 91  |    |    |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 91  | 94  | 92  | 90  | 89  |    |    |
| 7   | 101 | 96  | 92  | 90  | 100 | 95  | 92  | 90  | 94  | 91  | 89  | 93  | 91  | 89  | 92  | 90  | 89  | 88  |    |    |
| 8   | 99  | 94  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 86  |    |    |
| 9   | 97  | 92  | 89  | 87  | 97  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 87  | 86  | 85  |    |    |
| 10  | 96  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 87  | 85  | 89  | 86  | 85  | 88  | 86  | 85  | 84  |    |    |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1251786 |
| 5°  | 1049106 |
| 10° | 494179  |
| 15° | 148991  |
| 20° | 55118   |
| 25° | 21437   |
| 30° | 8001    |
| 35° | 2463    |
| 40° | 887     |
| 45° | 465     |
| 50° | 341     |
| 55° | 382     |
| 60° | 439     |
| 65° | 259     |
| 70° | 321     |
| 75° | 424     |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 465 cd/sqm

TEST NUMBER: P1271505

CATALOG NUMBER: P3AS09R159827DE010 E3CD1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 368.5  | 57.2      |
| 10°-20°   | 219.0  | 34.0      |
| 20°-30°   | 46.0   | 7.1       |
| 30°-40°   | 7.4    | 1.2       |
| 40°-50°   | 1.2    | 0.2       |
| 50°-60°   | 0.9    | 0.1       |
| 60°-70°   | 0.6    | 0.1       |
| 70°-80°   | 0.3    | 0.1       |
| 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°    | 633.5  | 98.4      |
| 0°-40°    | 640.9  | 99.5      |
| 0°-60°    | 643.1  | 99.9      |
| 0°-90°    | 644.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 644.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 5709 |      |
| 5°  | 4766 | 368  |
| 15° | 656  | 219  |
| 25° | 89   | 46   |
| 35° | 9    | 7    |
| 45° | 2    | 1    |
| 55° | 1    | 1    |
| 65° | 0    | 1    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

TEST NUMBER: P1271505

CATALOG NUMBER: P3AS09R159827DE010 E3CD1MB

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 5708.6 |
| 1°    | 5690.8 |
| 2°    | 5600.1 |
| 3°    | 5418.9 |
| 4°    | 5153.1 |
| 5°    | 4766.1 |
| 6°    | 4311.5 |
| 7°    | 3791.6 |
| 8°    | 3295.2 |
| 9°    | 2733.1 |
| 10°   | 2219.4 |
| 12.5° | 1197.5 |
| 15°   | 656.3  |
| 17.5° | 384.4  |
| 20°   | 236.2  |
| 22.5° | 144.6  |
| 25°   | 88.6   |
| 27.5° | 53.5   |
| 30°   | 31.6   |
| 32.5° | 17.8   |
| 35°   | 9.2    |
| 37.5° | 5.1    |
| 40°   | 3.1    |
| 42.5° | 2.0    |
| 45°   | 1.5    |
| 47.5° | 1.0    |
| 50°   | 1.0    |
| 52.5° | 1.0    |
| 55°   | 1.0    |
| 57.5° | 1.0    |
| 60°   | 1.0    |
| 62.5° | 0.5    |
| 65°   | 0.5    |
| 67.5° | 0.5    |
| 70°   | 0.5    |
| 72.5° | 0.5    |
| 75°   | 0.5    |
| 77.5° | 0.0    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)