

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: P1268386

Luminaire Tested: P3A20R709735D010 E3CD1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1268386  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R709735D010 E3CD1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

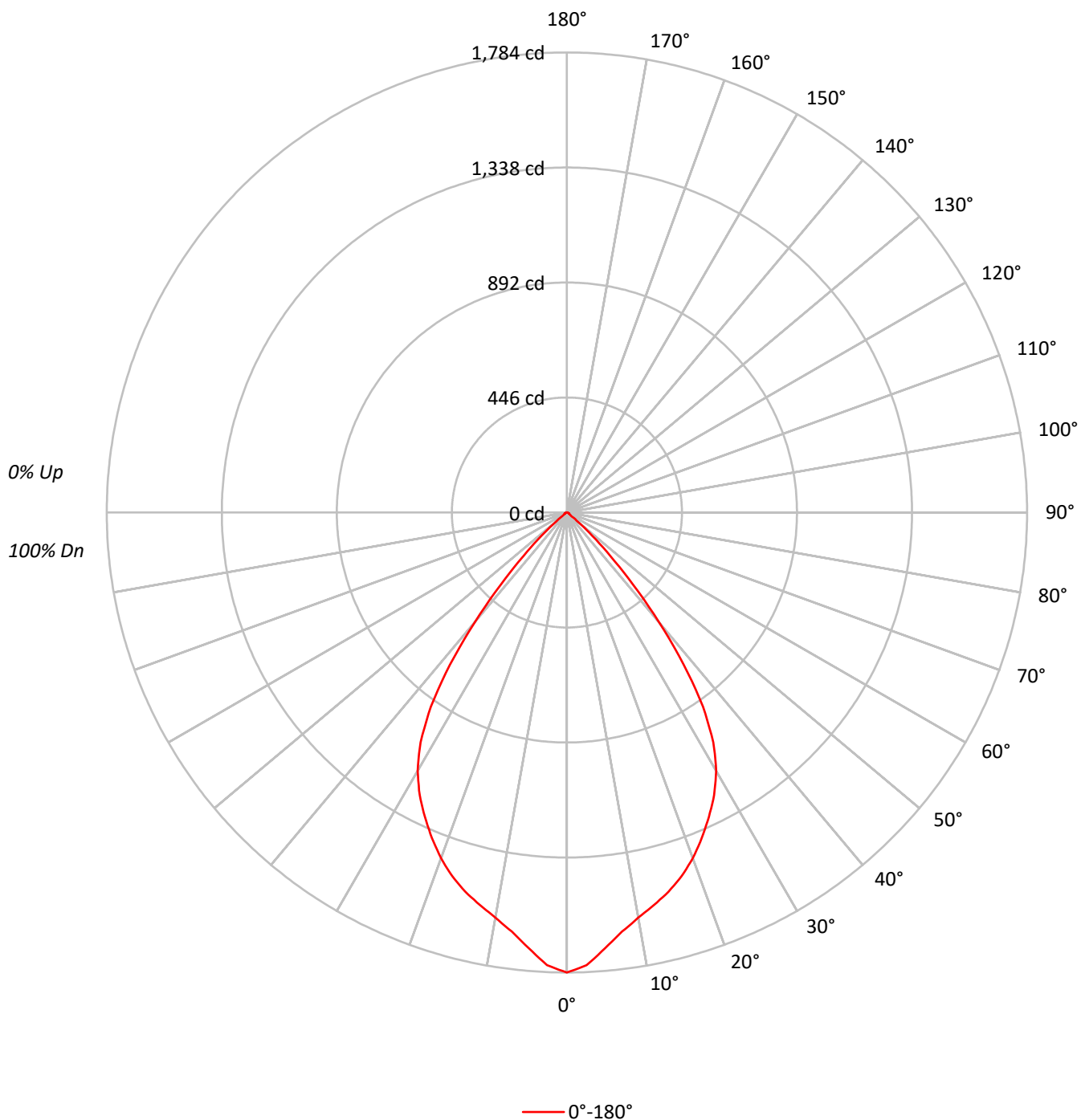
Lumens per Lamp: N/A  
Luminaire Lumens: 1970.0 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  |
| 2   | 107 | 102 | 97  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 91  |
| 3   | 101 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 84  | 81  |  | 85  |
| 4   | 95  | 87  | 81  | 77  | 94  | 86  | 81  | 76  | 84  | 79  | 75  |  | 82  | 78  | 75  |  | 80  |
| 5   | 90  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 69  |  | 77  | 72  | 69  |  | 75  |
| 6   | 85  | 75  | 69  | 64  | 83  | 75  | 69  | 64  | 73  | 68  | 64  |  | 72  | 67  | 63  |  | 70  |
| 7   | 80  | 70  | 64  | 59  | 79  | 70  | 64  | 59  | 68  | 63  | 59  |  | 67  | 62  | 59  |  | 66  |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 55  |  | 63  | 58  | 54  |  | 62  |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  |  | 59  | 54  | 50  |  | 58  |
| 10  | 68  | 58  | 52  | 47  | 67  | 57  | 51  | 47  | 56  | 51  | 47  |  | 56  | 51  | 47  |  | 55  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 391197 |
| 5°  | 373277 |
| 10° | 355148 |
| 15° | 345655 |
| 20° | 332879 |
| 25° | 315067 |
| 30° | 293032 |
| 35° | 246143 |
| 40° | 158640 |
| 45° | 73744  |
| 50° | 19343  |
| 55° | 4817   |
| 60° | 4824   |
| 65° | 4099   |
| 70° | 4039   |
| 75° | 3982   |
| 80° | 3915   |
| 85° | 4026   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73744 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 158.7  | 8.1       |
| 10°-20°   | 427.8  | 21.7      |
| 20°-30°   | 597.8  | 30.3      |
| 30°-40°   | 554.2  | 28.1      |
| 40°-50°   | 198.7  | 10.1      |
| 50°-60°   | 16.8   | 0.9       |
| 60°-70°   | 8.4    | 0.4       |
| 70°-80°   | 5.4    | 0.3       |
| 80°-90°   | 2.1    | 0.1       |
| 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°    | 1184.3 | 60.1      |
| 0°-40°    | 1738.5 | 88.3      |
| 0°-60°    | 1954.1 | 99.2      |
| 0°-90°    | 1970.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1970.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1784 |      |
| 5°  | 1696 | 159  |
| 15° | 1523 | 428  |
| 25° | 1302 | 598  |
| 35° | 920  | 554  |
| 45° | 238  | 199  |
| 55° | 13   | 17   |
| 65° | 8    | 8    |
| 75° | 5    | 5    |
| 85° | 2    | 2    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1784.0 |
| 2.5°  | 1757.2 |
| 5°    | 1695.8 |
| 7.5°  | 1639.1 |
| 10°   | 1595.0 |
| 12.5° | 1558.8 |
| 15°   | 1522.6 |
| 17.5° | 1478.5 |
| 20°   | 1426.5 |
| 22.5° | 1366.7 |
| 25°   | 1302.2 |
| 27.5° | 1236.0 |
| 30°   | 1157.3 |
| 32.5° | 1056.5 |
| 35°   | 919.5  |
| 37.5° | 744.8  |
| 40°   | 554.2  |
| 42.5° | 377.9  |
| 45°   | 237.8  |
| 47.5° | 132.3  |
| 50°   | 56.7   |
| 52.5° | 18.9   |
| 55°   | 12.6   |
| 57.5° | 11.0   |
| 60°   | 11.0   |
| 62.5° | 9.4    |
| 65°   | 7.9    |
| 67.5° | 7.9    |
| 70°   | 6.3    |
| 72.5° | 6.3    |
| 75°   | 4.7    |
| 77.5° | 4.7    |
| 80°   | 3.1    |
| 82.5° | 3.1    |
| 85°   | 1.6    |
| 87.5° | 1.6    |
| 90°   | 0.0    |

(END OF REPORT)