

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: P1270356

Luminaire Tested: P3A17R659740DE010 E3CD1MB

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1270356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R659740DE010 E3CD1MB  
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 97CRI , E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

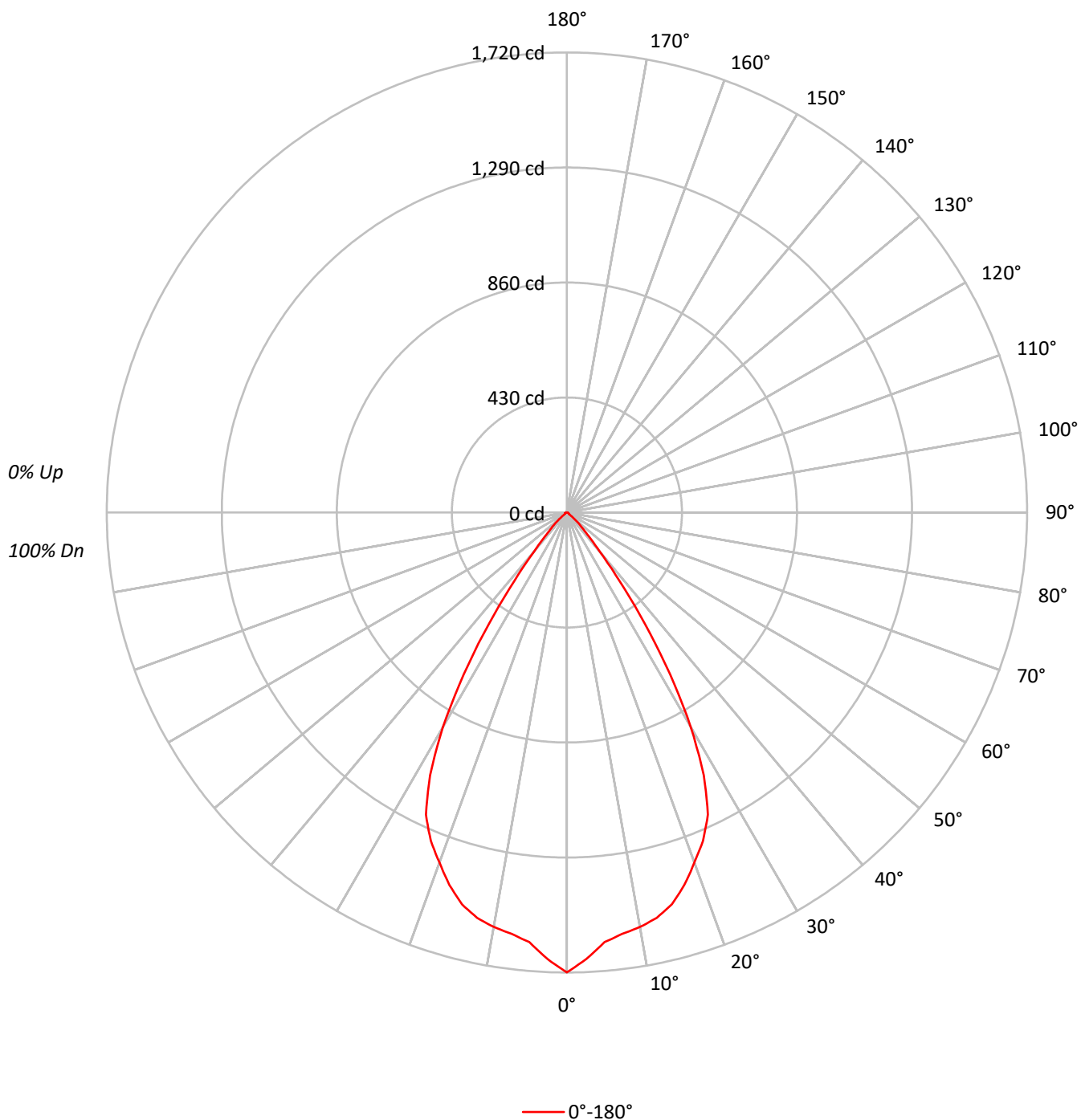
Lumens per Lamp: N/A  
Luminaire Lumens: 1542.9 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 101 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 92  |
| 3   | 103 | 96  | 91  | 87  | 101 | 95  | 90  | 87  | 92  | 88  | 85  |  | 90  | 87  | 84  |  | 88  |
| 4   | 97  | 90  | 84  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 79  |  | 85  | 81  | 78  |  | 83  |
| 5   | 93  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 82  | 77  | 73  |  | 80  | 76  | 73  |  | 78  |
| 6   | 88  | 79  | 73  | 69  | 86  | 78  | 73  | 69  | 77  | 72  | 68  |  | 75  | 71  | 68  |  | 74  |
| 7   | 84  | 74  | 68  | 64  | 82  | 74  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 8   | 80  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 63  | 60  |  | 67  | 63  | 59  |  | 66  |
| 9   | 76  | 66  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 60  | 56  |  | 64  | 59  | 56  |  | 63  |
| 10  | 72  | 63  | 57  | 53  | 71  | 62  | 57  | 53  | 61  | 56  | 53  |  | 60  | 56  | 53  |  | 60  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 377075 |
| 5°  | 354897 |
| 10° | 350383 |
| 15° | 344202 |
| 20° | 324992 |
| 25° | 301614 |
| 30° | 234441 |
| 35° | 135613 |
| 40° | 54645  |
| 45° | 25150  |
| 50° | 9791   |
| 55° | 3823   |
| 60° | 3289   |
| 65° | 3217   |
| 70° | 3206   |
| 75° | 3135   |
| 80° | 3157   |
| 85° | 3019   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25150 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 153.3  | 9.9       |
| 10°-20°   | 423.4  | 27.4      |
| 20°-30°   | 554.2  | 35.9      |
| 30°-40°   | 321.0  | 20.8      |
| 40°-50°   | 68.7   | 4.5       |
| 50°-60°   | 11.2   | 0.7       |
| 60°-70°   | 6.2    | 0.4       |
| 70°-80°   | 3.6    | 0.2       |
| 80°-90°   | 1.3    | 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°    | 1130.9 | 73.3      |
| 0°-40°    | 1451.9 | 94.1      |
| 0°-60°    | 1531.8 | 99.3      |
| 0°-90°    | 1542.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1542.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1720 |      |
| 5°  | 1612 | 153  |
| 15° | 1516 | 423  |
| 25° | 1247 | 554  |
| 35° | 507  | 321  |
| 45° | 81   | 69   |
| 55° | 10   | 11   |
| 65° | 6    | 6    |
| 75° | 4    | 4    |
| 85° | 1    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1719.6 |
| 2.5°  | 1670.9 |
| 5°    | 1612.3 |
| 7.5°  | 1588.6 |
| 10°   | 1573.6 |
| 12.5° | 1552.4 |
| 15°   | 1516.2 |
| 17.5° | 1460.0 |
| 20°   | 1392.7 |
| 22.5° | 1329.0 |
| 25°   | 1246.6 |
| 27.5° | 1108.1 |
| 30°   | 925.9  |
| 32.5° | 717.5  |
| 35°   | 506.6  |
| 37.5° | 320.7  |
| 40°   | 190.9  |
| 42.5° | 119.8  |
| 45°   | 81.1   |
| 47.5° | 52.4   |
| 50°   | 28.7   |
| 52.5° | 13.7   |
| 55°   | 10.0   |
| 57.5° | 8.7    |
| 60°   | 7.5    |
| 62.5° | 7.5    |
| 65°   | 6.2    |
| 67.5° | 5.0    |
| 70°   | 5.0    |
| 72.5° | 3.7    |
| 75°   | 3.7    |
| 77.5° | 2.5    |
| 80°   | 2.5    |
| 82.5° | 1.2    |
| 85°   | 1.2    |
| 87.5° | 1.2    |
| 90°   | 0.0    |

(END OF REPORT)