

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: P1260293

Luminaire Tested: P3AS17R209050DE010 E3DL1WMH

Issue Date: 1/30/2026

**Test Information**

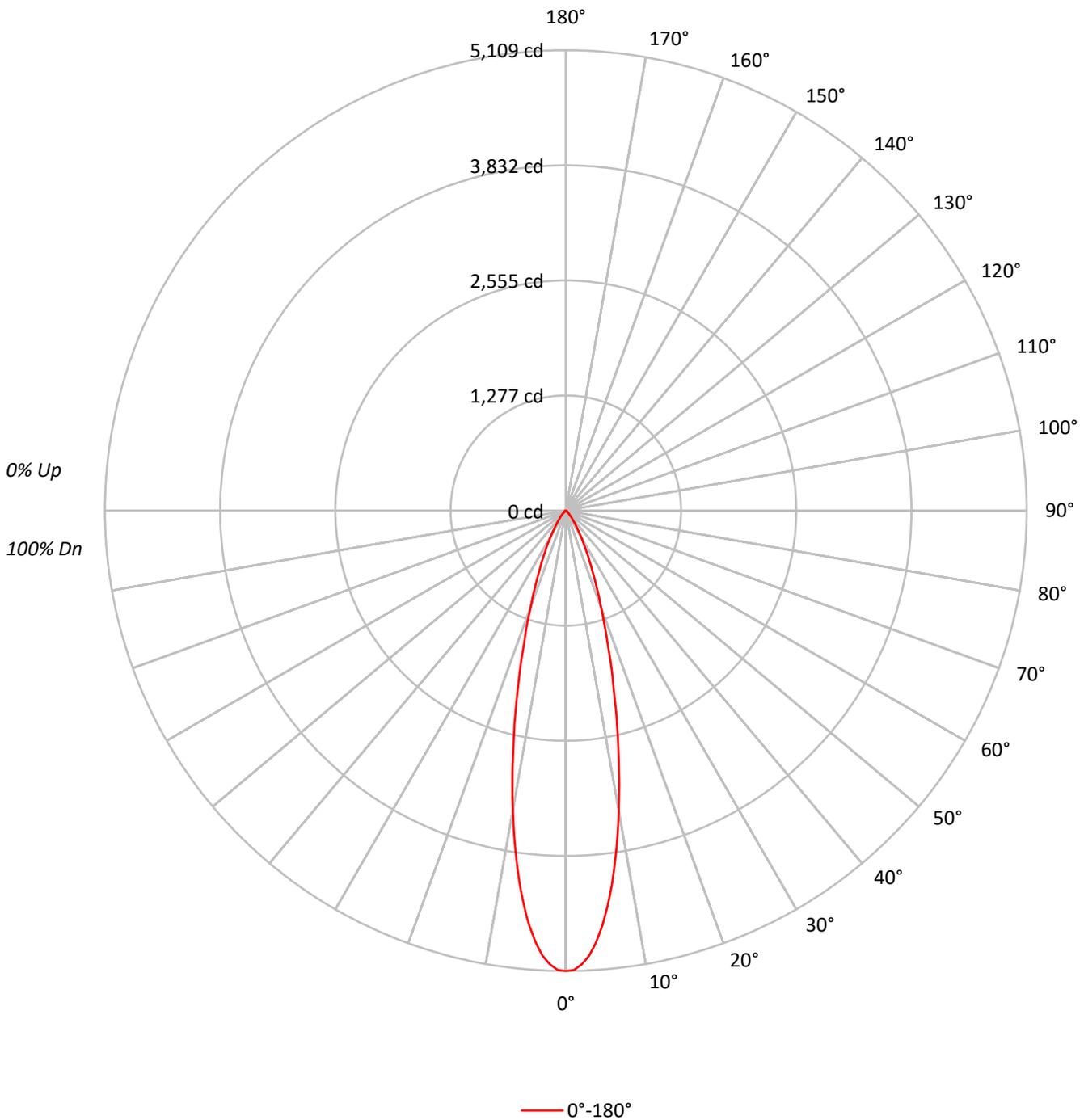
Test Method: LM-79-2019  
Report Number: P1260293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R209050DE010 E3DL1WMH  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1456.0 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46  
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  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 95  | 95  | 95  | 95  |
| 2   | 110 | 106 | 102 | 100 | 108 | 104 | 101 | 98  | 101 | 98  | 96  | 98  | 96  | 94  | 95  | 94  | 92  | 91  | 91  | 91  | 91  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 97  | 93  | 91  | 94  | 92  | 89  | 92  | 90  | 88  | 87  | 87  | 87  | 87  |
| 4   | 102 | 96  | 91  | 88  | 100 | 95  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 85  | 89  | 86  | 84  | 83  | 83  | 83  | 83  |
| 5   | 98  | 91  | 87  | 83  | 97  | 90  | 86  | 83  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 79  | 79  | 79  | 79  |
| 6   | 95  | 87  | 83  | 79  | 93  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 81  | 78  | 83  | 80  | 77  | 76  | 76  | 76  | 76  |
| 7   | 91  | 84  | 79  | 76  | 90  | 83  | 79  | 76  | 82  | 78  | 75  | 81  | 78  | 75  | 80  | 77  | 75  | 73  | 73  | 73  | 73  |
| 8   | 88  | 81  | 76  | 73  | 87  | 80  | 76  | 73  | 79  | 75  | 72  | 78  | 75  | 72  | 78  | 74  | 72  | 71  | 71  | 71  | 71  |
| 9   | 85  | 78  | 73  | 70  | 85  | 77  | 73  | 70  | 77  | 73  | 70  | 76  | 72  | 69  | 75  | 72  | 69  | 68  | 68  | 68  | 68  |
| 10  | 83  | 75  | 71  | 68  | 82  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 70  | 67  | 73  | 69  | 67  | 66  | 66  | 66  | 66  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1120217 |
| 5°  | 1018311 |
| 10° | 752602  |
| 15° | 465565  |
| 20° | 265860  |
| 25° | 151775  |
| 30° | 85127   |
| 35° | 46311   |
| 40° | 25362   |
| 45° | 13955   |
| 50° | 8153    |
| 55° | 5926    |
| 60° | 5570    |
| 65° | 5085    |
| 70° | 4488    |
| 75° | 4745    |
| 80° | 3536    |
| 85° | 3522    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13955 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 400.6  | 27.5      |
| 10°-20°   | 571.9  | 39.3      |
| 20°-30°   | 298.5  | 20.5      |
| 30°-40°   | 115.4  | 7.9       |
| 40°-50°   | 37.5   | 2.6       |
| 50°-60°   | 14.8   | 1.0       |
| 60°-70°   | 9.7    | 0.7       |
| 70°-80°   | 5.7    | 0.4       |
| 80°-90°   | 1.9    | 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       |
| 0°-30°    | 1271.0 | 87.3      |
| 0°-40°    | 1386.4 | 95.2      |
| 0°-60°    | 1438.6 | 98.8      |
| 0°-90°    | 1456.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1456.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 5109 |      |
| 5°  | 4626 | 401  |
| 15° | 2051 | 572  |
| 25° | 627  | 298  |
| 35° | 173  | 115  |
| 45° | 45   | 37   |
| 55° | 16   | 15   |
| 65° | 10   | 10   |
| 75° | 6    | 6    |
| 85° | 1    | 2    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 5108.6 |
| 1°    | 5098.8 |
| 2°    | 5038.3 |
| 3°    | 4945.5 |
| 4°    | 4802.0 |
| 5°    | 4626.2 |
| 6°    | 4418.0 |
| 7°    | 4187.3 |
| 8°    | 3920.1 |
| 9°    | 3659.9 |
| 10°   | 3380.0 |
| 12.5° | 2686.5 |
| 15°   | 2050.8 |
| 17.5° | 1534.6 |
| 20°   | 1139.3 |
| 22.5° | 843.9  |
| 25°   | 627.3  |
| 27.5° | 462.8  |
| 30°   | 336.2  |
| 32.5° | 243.3  |
| 35°   | 173.0  |
| 37.5° | 125.2  |
| 40°   | 88.6   |
| 42.5° | 63.3   |
| 45°   | 45.0   |
| 47.5° | 32.4   |
| 50°   | 23.9   |
| 52.5° | 18.3   |
| 55°   | 15.5   |
| 57.5° | 14.1   |
| 60°   | 12.7   |
| 62.5° | 11.3   |
| 65°   | 9.8    |
| 67.5° | 8.4    |
| 70°   | 7.0    |
| 72.5° | 7.0    |
| 75°   | 5.6    |
| 77.5° | 4.2    |
| 80°   | 2.8    |
| 82.5° | 2.8    |
| 85°   | 1.4    |
| 87.5° | 1.4    |
| 90°   | 0.0    |

(END OF REPORT)