

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: P1248400

Luminaire Tested: P3AS05R159027DE010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

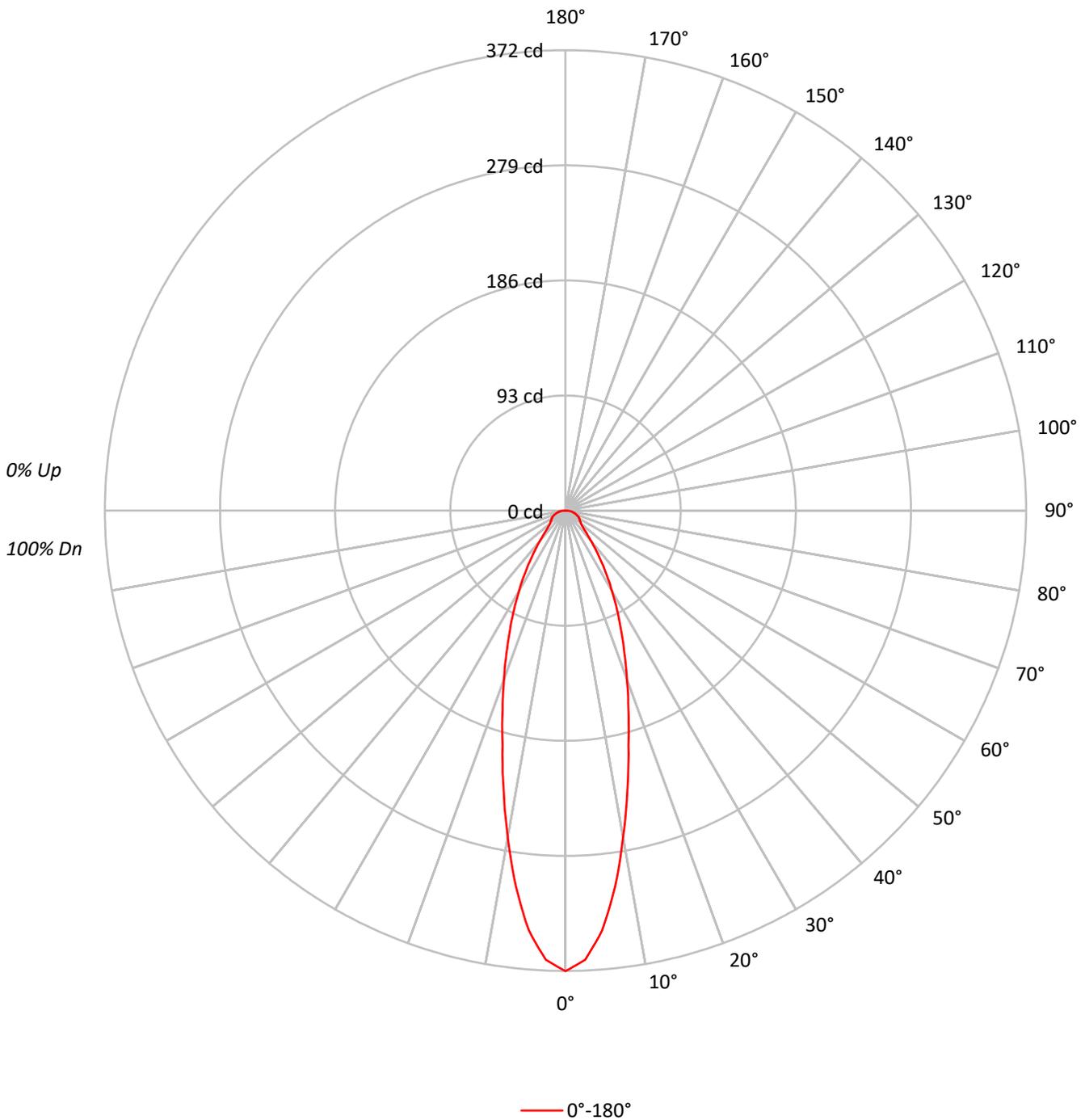
Test Method: LM-79-2019  
Report Number: P1248400  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R159027DE010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 218.0 lumens  
Efficiency: N/A  
Efficacy: 30.3 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 95  | 93  | 92  | 90  | 90  | 90  | 90  |
| 2   | 105 | 99  | 94  | 90  | 102 | 97  | 92  | 89  | 94  | 90  | 87  | 91  | 87  | 85  | 88  | 85  | 83  | 81  | 81  | 81  | 81  |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 74  | 74  | 74  | 74  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 76  | 71  | 79  | 74  | 71  | 77  | 73  | 70  | 68  | 68  | 68  | 68  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 67  | 76  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 65  | 63  | 63  | 63  | 63  |
| 6   | 83  | 73  | 67  | 62  | 82  | 73  | 66  | 62  | 71  | 65  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 59  | 59  | 59  | 59  |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 58  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 55  | 55  | 55  | 55  |
| 8   | 75  | 65  | 59  | 54  | 74  | 65  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 53  | 52  | 52  | 52  | 52  |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 58  | 54  | 50  | 49  | 49  | 49  | 49  |
| 10  | 69  | 59  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 56  | 51  | 48  | 46  | 46  | 46  | 46  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 81594 |
| 5°  | 74928 |
| 10° | 59696 |
| 15° | 44609 |
| 20° | 33883 |
| 25° | 25647 |
| 30° | 18990 |
| 35° | 13545 |
| 40° | 9275  |
| 45° | 6481  |
| 50° | 5526  |
| 55° | 5429  |
| 60° | 5614  |
| 65° | 5967  |
| 70° | 6091  |
| 75° | 6270  |
| 80° | 6819  |
| 85° | 6793  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 7896 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 30.1   | 13.8      |
| 10°-20°   | 55.1   | 25.3      |
| 20°-30°   | 48.8   | 22.4      |
| 30°-40°   | 32.0   | 14.7      |
| 40°-50°   | 17.1   | 7.8       |
| 50°-60°   | 12.9   | 5.9       |
| 60°-70°   | 11.1   | 5.1       |
| 70°-80°   | 7.7    | 3.5       |
| 80°-90°   | 3.1    | 1.4       |
| 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°    | 134.1  | 61.5      |
| 0°-40°    | 166.1  | 76.2      |
| 0°-60°    | 196.1  | 89.9      |
| 0°-90°    | 218.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 218.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 372 |      |
| 5°  | 340 | 30   |
| 15° | 196 | 55   |
| 25° | 106 | 49   |
| 35° | 51  | 32   |
| 45° | 21  | 17   |
| 55° | 14  | 13   |
| 65° | 12  | 11   |
| 75° | 7   | 8    |
| 85° | 3   | 3    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 372.1 |
| 2.5°  | 363.3 |
| 5°    | 340.4 |
| 7.5°  | 306.6 |
| 10°   | 268.1 |
| 12.5° | 231.0 |
| 15°   | 196.5 |
| 17.5° | 168.8 |
| 20°   | 145.2 |
| 22.5° | 124.3 |
| 25°   | 106.0 |
| 27.5° | 89.8  |
| 30°   | 75.0  |
| 32.5° | 62.1  |
| 35°   | 50.6  |
| 37.5° | 40.5  |
| 40°   | 32.4  |
| 42.5° | 25.7  |
| 45°   | 20.9  |
| 47.5° | 18.2  |
| 50°   | 16.2  |
| 52.5° | 15.5  |
| 55°   | 14.2  |
| 57.5° | 13.5  |
| 60°   | 12.8  |
| 62.5° | 12.2  |
| 65°   | 11.5  |
| 67.5° | 10.1  |
| 70°   | 9.5   |
| 72.5° | 8.1   |
| 75°   | 7.4   |
| 77.5° | 6.1   |
| 80°   | 5.4   |
| 82.5° | 4.7   |
| 85°   | 2.7   |
| 87.5° | 1.4   |
| 90°   | 0.0   |

(END OF REPORT)