

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: P1291386

Luminaire Tested: P3A05R70W2N902765DE010 E3CD1MMS\_2700K

Issue Date: 1/30/2026

**Test Information**

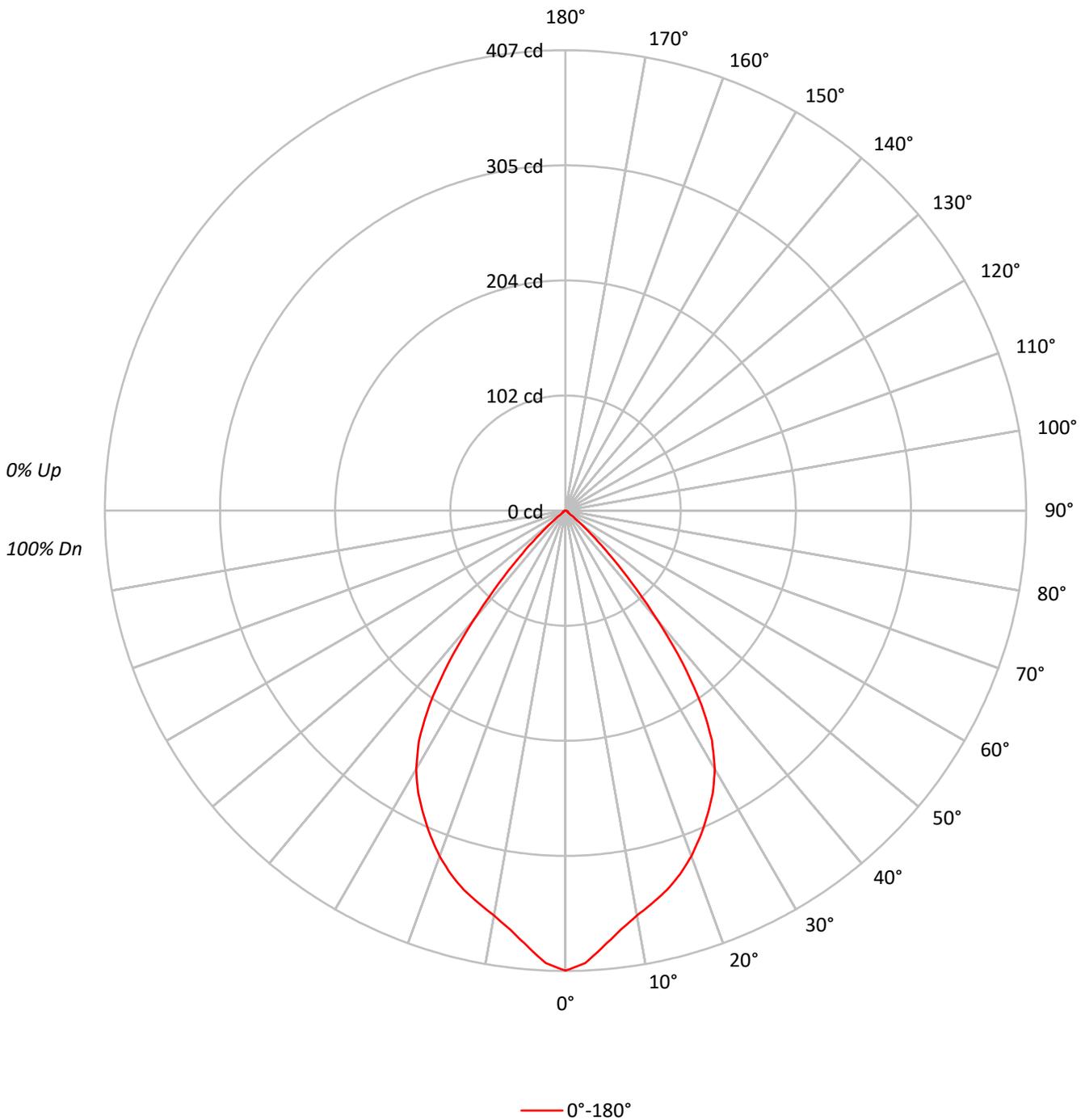
Test Method: LM-79-2019  
Report Number: P1291386  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R70W2N902765DE010 E3CD1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 449.0 lumens  
Efficiency: N/A  
Efficacy: 76.1 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): 5.9  
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 |    |    |   |
| 1   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 94  | 93  |    |    |   |
| 2   | 107 | 102 | 97  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85  |    |    |   |
| 3   | 101 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  | 88  | 84  | 81  | 85  | 82  | 80  | 78  |    |    |   |
| 4   | 95  | 87  | 81  | 77  | 94  | 86  | 81  | 76  | 84  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |    |    |   |
| 5   | 90  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 69  | 77  | 72  | 69  | 75  | 71  | 68  | 66  |    |    |   |
| 6   | 85  | 75  | 69  | 64  | 83  | 75  | 69  | 64  | 73  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 63  | 61  |    |    |   |
| 7   | 80  | 70  | 64  | 59  | 79  | 70  | 64  | 59  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 58  | 57  |    |    |   |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 55  | 63  | 58  | 54  | 62  | 57  | 54  | 53  |    |    |   |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 50  | 58  | 54  | 50  | 49  |    |    |   |
| 10  | 68  | 58  | 52  | 47  | 67  | 57  | 51  | 47  | 56  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 47  | 46  |    |    |   |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 89160 |
| 5°  | 85076 |
| 10° | 80938 |
| 15° | 78775 |
| 20° | 75863 |
| 25° | 71811 |
| 30° | 66795 |
| 35° | 56108 |
| 40° | 36153 |
| 45° | 16808 |
| 50° | 4401  |
| 55° | 1109  |
| 60° | 1096  |
| 65° | 934   |
| 70° | 898   |
| 75° | 932   |
| 80° | 884   |
| 85° | 1006  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16808 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 36.2   | 8.1       |
| 10°-20°   | 97.5   | 21.7      |
| 20°-30°   | 136.2  | 30.3      |
| 30°-40°   | 126.3  | 28.1      |
| 40°-50°   | 45.3   | 10.1      |
| 50°-60°   | 3.8    | 0.9       |
| 60°-70°   | 1.9    | 0.4       |
| 70°-80°   | 1.2    | 0.3       |
| 80°-90°   | 0.5    | 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°    | 269.9  | 60.1      |
| 0°-40°    | 396.2  | 88.3      |
| 0°-60°    | 445.3  | 99.2      |
| 0°-90°    | 449.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 449.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 407 |      |
| 5°  | 386 | 36   |
| 15° | 347 | 98   |
| 25° | 297 | 136  |
| 35° | 210 | 126  |
| 45° | 54  | 45   |
| 55° | 3   | 4    |
| 65° | 2   | 2    |
| 75° | 1   | 1    |
| 85° | 0   | 1    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 406.6 |
| 2.5°  | 400.5 |
| 5°    | 386.5 |
| 7.5°  | 373.6 |
| 10°   | 363.5 |
| 12.5° | 355.3 |
| 15°   | 347.0 |
| 17.5° | 337.0 |
| 20°   | 325.1 |
| 22.5° | 311.5 |
| 25°   | 296.8 |
| 27.5° | 281.7 |
| 30°   | 263.8 |
| 32.5° | 240.8 |
| 35°   | 209.6 |
| 37.5° | 169.7 |
| 40°   | 126.3 |
| 42.5° | 86.1  |
| 45°   | 54.2  |
| 47.5° | 30.1  |
| 50°   | 12.9  |
| 52.5° | 4.3   |
| 55°   | 2.9   |
| 57.5° | 2.5   |
| 60°   | 2.5   |
| 62.5° | 2.2   |
| 65°   | 1.8   |
| 67.5° | 1.8   |
| 70°   | 1.4   |
| 72.5° | 1.4   |
| 75°   | 1.1   |
| 77.5° | 1.1   |
| 80°   | 0.7   |
| 82.5° | 0.7   |
| 85°   | 0.4   |
| 87.5° | 0.4   |
| 90°   | 0.0   |

(END OF REPORT)