

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: P1302781

Luminaire Tested: P3AS17R70W2N902765DE010 E3CD1MW\_5000K

Issue Date: 1/30/2026

**Test Information**

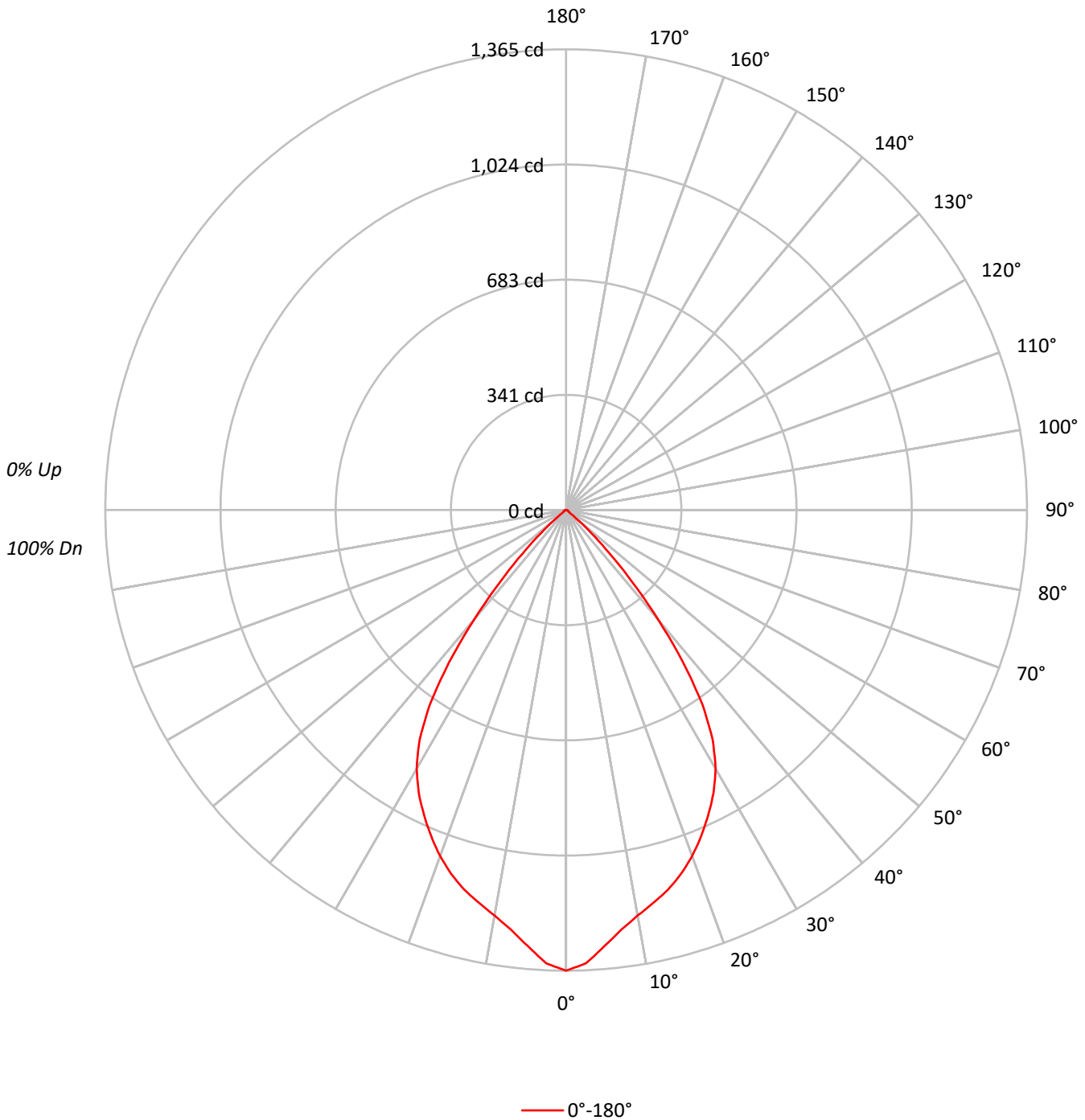
Test Method: LM-79-2019  
Report Number: P1302781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R70W2N902765DE010 E3CD1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,  
E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1507.0 lumens  
Efficiency: N/A  
Efficacy: 77.7 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): 19.4  
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°  | 299252 |
| 5°  | 285537 |
| 10° | 271672 |
| 15° | 264406 |
| 20° | 254659 |
| 25° | 241006 |
| 30° | 224161 |
| 35° | 188295 |
| 40° | 121370 |
| 45° | 56409  |
| 50° | 14805  |
| 55° | 3670   |
| 60° | 3684   |
| 65° | 3113   |
| 70° | 3077   |
| 75° | 3050   |
| 80° | 3031   |
| 85° | 3019   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 56409 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 121.4  | 8.1       |
| 10°-20°   | 327.3  | 21.7      |
| 20°-30°   | 457.3  | 30.3      |
| 30°-40°   | 424.0  | 28.1      |
| 40°-50°   | 152.0  | 10.1      |
| 50°-60°   | 12.9   | 0.9       |
| 60°-70°   | 6.4    | 0.4       |
| 70°-80°   | 4.1    | 0.3       |
| 80°-90°   | 1.6    | 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°    | 906.0  | 60.1      |
| 0°-40°    | 1329.9 | 88.3      |
| 0°-60°    | 1494.8 | 99.2      |
| 0°-90°    | 1507.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1507.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1365 |      |
| 5°  | 1297 | 121  |
| 15° | 1165 | 327  |
| 25° | 996  | 457  |
| 35° | 703  | 424  |
| 45° | 182  | 152  |
| 55° | 10   | 13   |
| 65° | 6    | 6    |
| 75° | 4    | 4    |
| 85° | 1    | 2    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1364.7 |
| 2.5°  | 1344.2 |
| 5°    | 1297.2 |
| 7.5°  | 1253.9 |
| 10°   | 1220.1 |
| 12.5° | 1192.4 |
| 15°   | 1164.7 |
| 17.5° | 1131.0 |
| 20°   | 1091.3 |
| 22.5° | 1045.5 |
| 25°   | 996.1  |
| 27.5° | 945.5  |
| 30°   | 885.3  |
| 32.5° | 808.2  |
| 35°   | 703.4  |
| 37.5° | 569.7  |
| 40°   | 424.0  |
| 42.5° | 289.1  |
| 45°   | 181.9  |
| 47.5° | 101.2  |
| 50°   | 43.4   |
| 52.5° | 14.5   |
| 55°   | 9.6    |
| 57.5° | 8.4    |
| 60°   | 8.4    |
| 62.5° | 7.2    |
| 65°   | 6.0    |
| 67.5° | 6.0    |
| 70°   | 4.8    |
| 72.5° | 4.8    |
| 75°   | 3.6    |
| 77.5° | 3.6    |
| 80°   | 2.4    |
| 82.5° | 2.4    |
| 85°   | 1.2    |
| 87.5° | 1.2    |
| 90°   | 0.0    |

(END OF REPORT)