

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: P1300156

Luminaire Tested: P3A17R30W2N902750DE010 E3DL1H\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1300156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R30W2N902750DE010 E3DL1H\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
E3DL1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

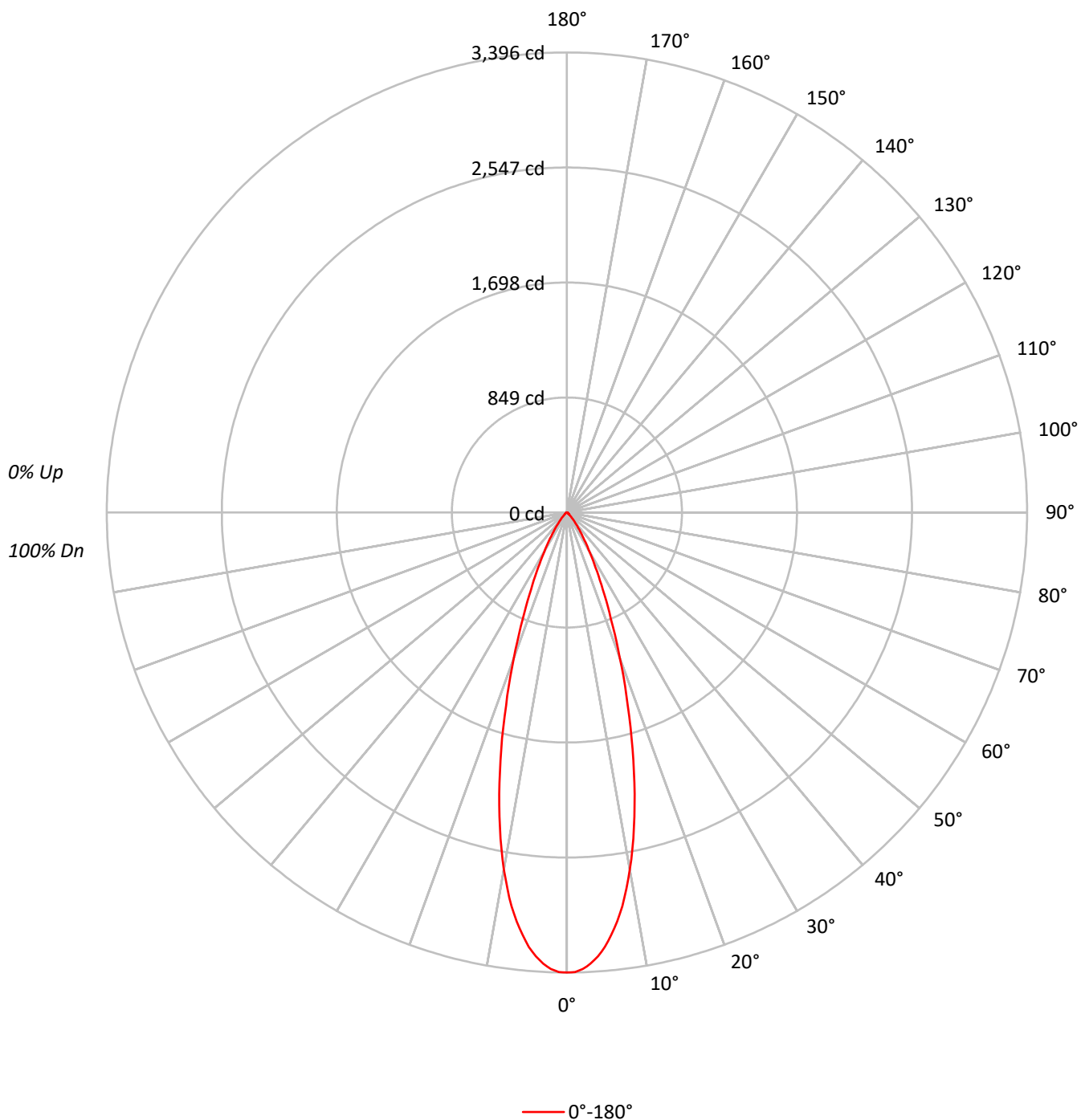
Lumens per Lamp: N/A  
Luminaire Lumens: 1276.0 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1300156

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### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 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  |  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |  | 100 |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  | 98  | 97  |  | 95  |
| 2   | 110 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 98  | 96  |  | 98  | 96  | 94  |  | 95  | 93  | 92  |  | 90  |
| 3   | 105 | 100 | 96  | 92  | 103 | 98  | 95  | 91  | 96  | 93  | 90  |  | 94  | 91  | 89  |  | 91  | 89  | 87  |  | 86  |
| 4   | 101 | 95  | 90  | 87  | 99  | 94  | 89  | 86  | 92  | 88  | 85  |  | 90  | 87  | 84  |  | 88  | 85  | 83  |  | 82  |
| 5   | 97  | 90  | 85  | 82  | 96  | 89  | 85  | 81  | 88  | 84  | 81  |  | 86  | 83  | 80  |  | 85  | 82  | 79  |  | 78  |
| 6   | 94  | 86  | 81  | 78  | 92  | 85  | 81  | 77  | 84  | 80  | 77  |  | 83  | 79  | 76  |  | 81  | 78  | 76  |  | 75  |
| 7   | 90  | 82  | 77  | 74  | 89  | 82  | 77  | 74  | 81  | 76  | 73  |  | 80  | 76  | 73  |  | 79  | 75  | 73  |  | 71  |
| 8   | 87  | 79  | 74  | 71  | 86  | 79  | 74  | 71  | 78  | 73  | 70  |  | 77  | 73  | 70  |  | 76  | 72  | 70  |  | 69  |
| 9   | 84  | 76  | 71  | 68  | 83  | 75  | 71  | 68  | 75  | 70  | 67  |  | 74  | 70  | 67  |  | 73  | 70  | 67  |  | 66  |
| 10  | 81  | 73  | 68  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  | 67  | 65  |  | 63  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 744589 |
| 5°  | 708693 |
| 10° | 596115 |
| 15° | 429900 |
| 20° | 266653 |
| 25° | 151654 |
| 30° | 84241  |
| 35° | 45829  |
| 40° | 24160  |
| 45° | 13087  |
| 50° | 6993   |
| 55° | 4626   |
| 60° | 4210   |
| 65° | 4358   |
| 70° | 3847   |
| 75° | 3050   |
| 80° | 3031   |
| 85° | 3019   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13087 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 289.9  | 22.7      |
| 10°-20°   | 515.3  | 40.4      |
| 20°-30°   | 297.8  | 23.3      |
| 30°-40°   | 113.0  | 8.9       |
| 40°-50°   | 34.7   | 2.7       |
| 50°-60°   | 11.7   | 0.9       |
| 60°-70°   | 7.9    | 0.6       |
| 70°-80°   | 4.3    | 0.3       |
| 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       |
| 0°-30°    | 1103.1 | 86.5      |
| 0°-40°    | 1216.1 | 95.3      |
| 0°-60°    | 1262.5 | 98.9      |
| 0°-90°    | 1276.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1276.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3396 |      |
| 5°  | 3220 | 290  |
| 15° | 1894 | 515  |
| 25° | 627  | 298  |
| 35° | 171  | 113  |
| 45° | 42   | 35   |
| 55° | 12   | 12   |
| 65° | 8    | 8    |
| 75° | 4    | 4    |
| 85° | 1    | 1    |
| 90° | 0    |      |

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CATALOG NUMBER: P3A17R30W2N902750DE010 E3DL1H\_5000K

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3395.6 |
| 1°    | 3393.2 |
| 2°    | 3372.7 |
| 3°    | 3334.1 |
| 4°    | 3285.9 |
| 5°    | 3219.6 |
| 6°    | 3135.2 |
| 7°    | 3041.2 |
| 8°    | 2936.3 |
| 9°    | 2811.0 |
| 10°   | 2677.2 |
| 11°   | 2532.5 |
| 12°   | 2379.4 |
| 13°   | 2219.1 |
| 14°   | 2056.4 |
| 15°   | 1893.7 |
| 17.5° | 1493.5 |
| 20°   | 1142.7 |
| 22.5° | 847.4  |
| 25°   | 626.8  |
| 27.5° | 455.6  |
| 30°   | 332.7  |
| 32.5° | 239.9  |
| 35°   | 171.2  |
| 37.5° | 119.3  |
| 40°   | 84.4   |
| 42.5° | 59.1   |
| 45°   | 42.2   |
| 47.5° | 28.9   |
| 50°   | 20.5   |
| 52.5° | 14.5   |
| 55°   | 12.1   |
| 57.5° | 10.8   |
| 60°   | 9.6    |
| 62.5° | 8.4    |
| 65°   | 8.4    |
| 67.5° | 7.2    |
| 70°   | 6.0    |
| 72.5° | 4.8    |
| 75°   | 3.6    |
| 77.5° | 3.6    |
| 80°   | 2.4    |
| 82.5° | 2.4    |
| 85°   | 1.2    |
| 87.5° | 0.0    |



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CATALOG NUMBER: P3A17R30W2N902750DE010 E3DL1H\_5000K

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)