

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: P1296490

Luminaire Tested: P3A13R30W2N902765DE010 E3CD1MW\_4000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1296490  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R30W2N902765DE010 E3CD1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

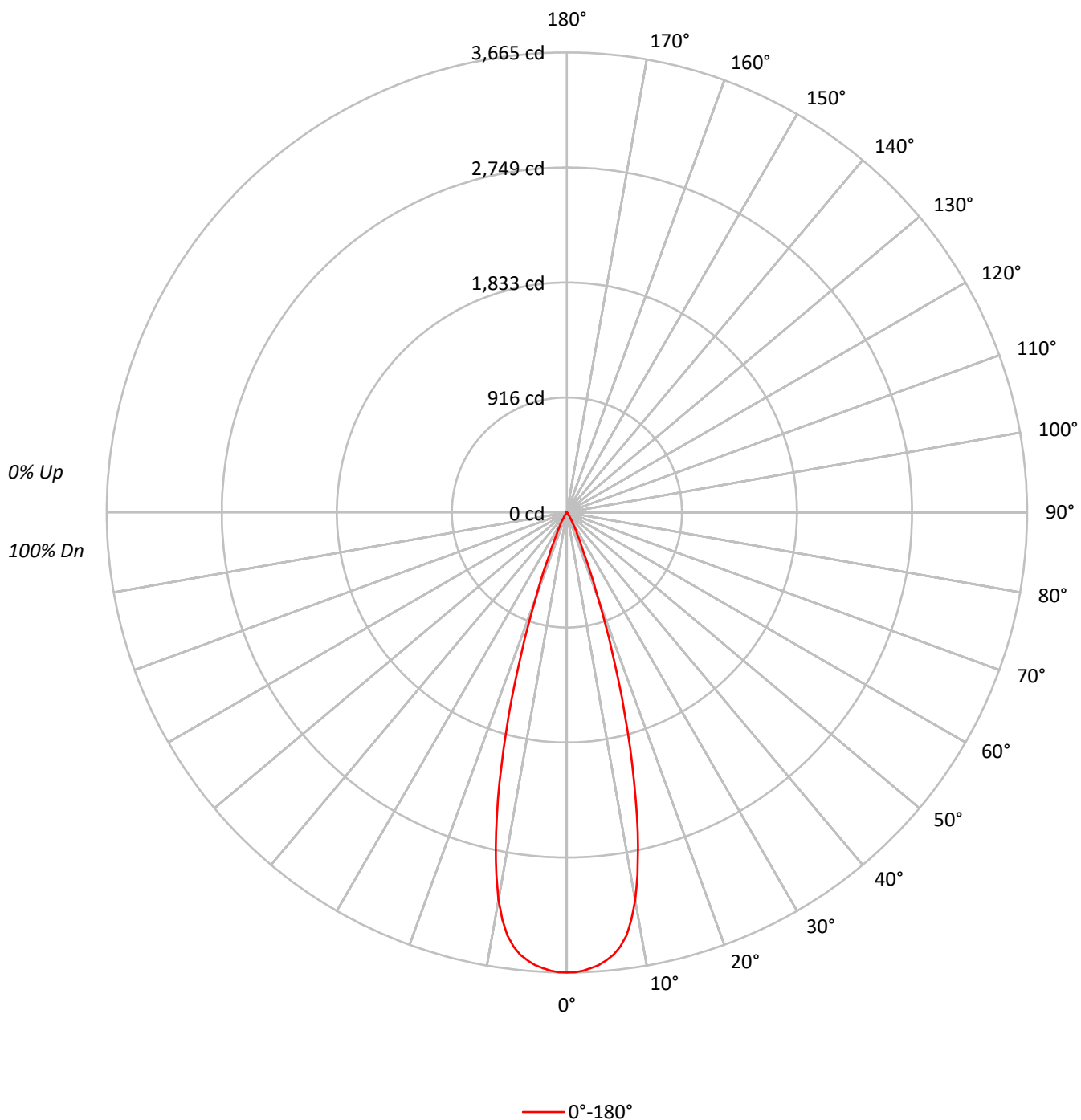
Lumens per Lamp: N/A  
Luminaire Lumens: 987.1 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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  |     |  |  |
| 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   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  |  |  |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  |  |  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 97  | 95  | 93  | 95  | 94  | 92  | 91  |  |  |
| 4   | 105 | 100 | 96  | 93  | 103 | 98  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  |  |  |
| 5   | 102 | 96  | 92  | 89  | 100 | 95  | 91  | 89  | 94  | 90  | 88  | 92  | 89  | 87  | 91  | 88  | 87  | 85  |  |  |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 88  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  |  |  |
| 7   | 96  | 90  | 86  | 83  | 95  | 89  | 86  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  |  |  |
| 8   | 94  | 87  | 83  | 81  | 93  | 87  | 83  | 80  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  |  |  |
| 9   | 91  | 85  | 81  | 78  | 90  | 84  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 79  | 77  | 77  |  |  |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 78  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 77  | 75  | 75  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 803751 |
| 5°  | 788552 |
| 10° | 698072 |
| 15° | 442273 |
| 20° | 167875 |
| 25° | 49696  |
| 30° | 19623  |
| 35° | 6023   |
| 40° | 2662   |
| 45° | 961    |
| 50° | 785    |
| 55° | 612    |
| 60° | 702    |
| 65° | 830    |
| 70° | 513    |
| 75° | 678    |
| 80° | 1010   |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $80^\circ$

Luminance: 1010 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 329.3  | 33.4      |
| 10°-20°   | 513.2  | 52.0      |
| 20°-30°   | 119.2  | 12.1      |
| 30°-40°   | 18.5   | 1.9       |
| 40°-50°   | 3.1    | 0.3       |
| 50°-60°   | 1.5    | 0.2       |
| 60°-70°   | 1.3    | 0.1       |
| 70°-80°   | 0.8    | 0.1       |
| 80°-90°   | 0.1    | 0.0       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 961.7  | 97.4      |
| 0°-40°    | 980.2  | 99.3      |
| 0°-60°    | 984.8  | 99.8      |
| 0°-90°    | 987.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 987.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3665 |      |
| 5°  | 3582 | 329  |
| 15° | 1948 | 513  |
| 25° | 205  | 119  |
| 35° | 22   | 18   |
| 45° | 3    | 3    |
| 55° | 2    | 2    |
| 65° | 2    | 1    |
| 75° | 1    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3665.4 |
| 1°    | 3663.1 |
| 2°    | 3653.0 |
| 3°    | 3635.9 |
| 4°    | 3614.2 |
| 5°    | 3582.4 |
| 6°    | 3542.9 |
| 7°    | 3484.0 |
| 8°    | 3403.4 |
| 9°    | 3284.7 |
| 10°   | 3135.1 |
| 11°   | 2942.1 |
| 12°   | 2724.2 |
| 13°   | 2482.4 |
| 14°   | 2216.4 |
| 15°   | 1948.2 |
| 17.5° | 1274.5 |
| 20°   | 719.4  |
| 22.5° | 367.5  |
| 25°   | 205.4  |
| 27.5° | 126.4  |
| 30°   | 77.5   |
| 32.5° | 41.9   |
| 35°   | 22.5   |
| 37.5° | 14.7   |
| 40°   | 9.3    |
| 42.5° | 5.4    |
| 45°   | 3.1    |
| 47.5° | 2.3    |
| 50°   | 2.3    |
| 52.5° | 1.6    |
| 55°   | 1.6    |
| 57.5° | 1.6    |
| 60°   | 1.6    |
| 62.5° | 1.6    |
| 65°   | 1.6    |
| 67.5° | 0.8    |
| 70°   | 0.8    |
| 72.5° | 0.8    |
| 75°   | 0.8    |
| 77.5° | 0.8    |
| 80°   | 0.8    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)