

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: P1298096

Luminaire Tested: P3A13R55W2N902765DE010 E3DL1LI\_4000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1298096  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R55W2N902765DE010 E3DL1LI\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI ,  
E3DL1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

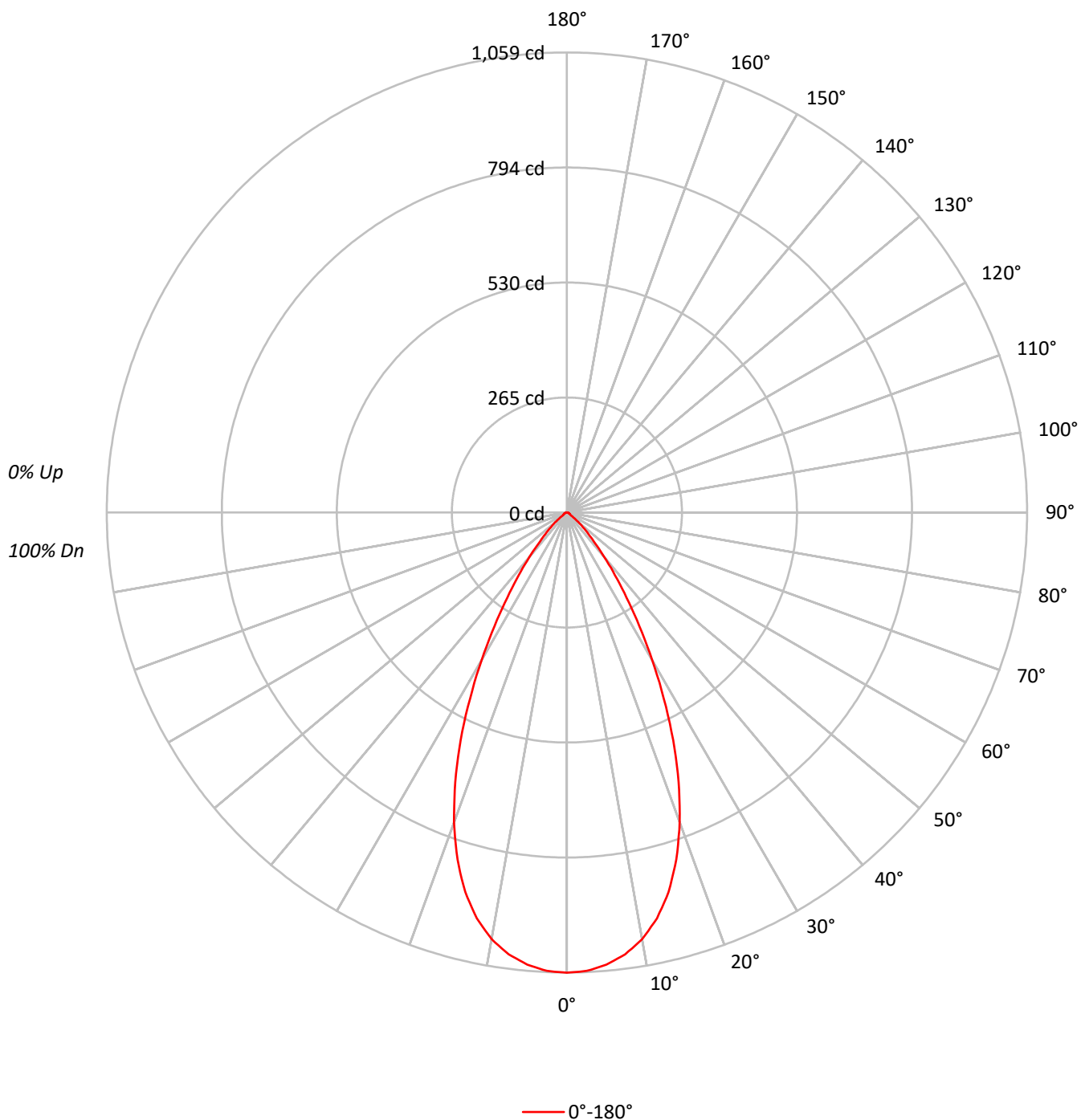
Lumens per Lamp: N/A  
Luminaire Lumens: 846.0 lumens  
Efficiency: N/A  
Efficacy: 68.8 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |    |    | 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 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 93  |    |    |    |
| 2   | 108 | 103 | 99  | 95  | 106 | 101 | 97  | 94  | 98  | 95  | 92  | 95  | 92  | 90  | 92  | 90  | 88  | 87  |    |    |    |
| 3   | 102 | 96  | 91  | 87  | 100 | 94  | 90  | 86  | 92  | 88  | 85  | 89  | 86  | 83  | 87  | 85  | 82  | 81  |    |    |    |
| 4   | 97  | 90  | 84  | 80  | 95  | 89  | 83  | 79  | 86  | 82  | 78  | 84  | 81  | 78  | 82  | 79  | 77  | 75  |    |    |    |
| 5   | 92  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 81  | 77  | 73  | 80  | 76  | 72  | 78  | 75  | 72  | 70  |    |    |    |
| 6   | 88  | 79  | 73  | 69  | 86  | 78  | 73  | 68  | 77  | 72  | 68  | 75  | 71  | 68  | 74  | 70  | 67  | 66  |    |    |    |
| 7   | 84  | 74  | 68  | 64  | 82  | 74  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 62  |    |    |    |
| 8   | 80  | 70  | 64  | 60  | 78  | 70  | 64  | 60  | 69  | 63  | 60  | 67  | 63  | 60  | 67  | 62  | 59  | 58  |    |    |    |
| 9   | 76  | 66  | 61  | 57  | 75  | 66  | 60  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 63  | 59  | 56  | 55  |    |    |    |
| 10  | 73  | 63  | 57  | 53  | 72  | 62  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 60  | 56  | 53  | 52  |    |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 232306 |
| 5°  | 229958 |
| 10° | 222062 |
| 15° | 205268 |
| 20° | 177115 |
| 25° | 139895 |
| 30° | 99230  |
| 35° | 63978  |
| 40° | 38443  |
| 45° | 21677  |
| 50° | 11633  |
| 55° | 4167   |
| 60° | 3728   |
| 65° | 3632   |
| 70° | 3462   |
| 75° | 3304   |
| 80° | 2904   |
| 85° | 2013   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21677 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 98.2   | 11.6      |
| 10°-20°   | 250.0  | 29.6      |
| 20°-30°   | 262.0  | 31.0      |
| 30°-40°   | 152.9  | 18.1      |
| 40°-50°   | 57.2   | 6.8       |
| 50°-60°   | 13.5   | 1.6       |
| 60°-70°   | 6.9    | 0.8       |
| 70°-80°   | 4.1    | 0.5       |
| 80°-90°   | 1.2    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 610.3  | 72.1      |
| 0°-40°    | 763.1  | 90.2      |
| 0°-60°    | 833.8  | 98.6      |
| 0°-90°    | 846.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 846.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1059 |      |
| 5°  | 1045 | 98   |
| 15° | 904  | 250  |
| 25° | 578  | 262  |
| 35° | 239  | 153  |
| 45° | 70   | 57   |
| 55° | 11   | 13   |
| 65° | 7    | 7    |
| 75° | 4    | 4    |
| 85° | 1    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1059.4 |
| 2.5°  | 1056.3 |
| 5°    | 1044.7 |
| 7.5°  | 1026.0 |
| 10°   | 997.3  |
| 12.5° | 957.0  |
| 15°   | 904.2  |
| 17.5° | 837.4  |
| 20°   | 759.0  |
| 22.5° | 671.3  |
| 25°   | 578.2  |
| 27.5° | 482.7  |
| 30°   | 391.9  |
| 32.5° | 309.7  |
| 35°   | 239.0  |
| 37.5° | 181.6  |
| 40°   | 134.3  |
| 42.5° | 96.2   |
| 45°   | 69.9   |
| 47.5° | 50.4   |
| 50°   | 34.1   |
| 52.5° | 19.4   |
| 55°   | 10.9   |
| 57.5° | 9.3    |
| 60°   | 8.5    |
| 62.5° | 7.8    |
| 65°   | 7.0    |
| 67.5° | 6.2    |
| 70°   | 5.4    |
| 72.5° | 4.7    |
| 75°   | 3.9    |
| 77.5° | 3.1    |
| 80°   | 2.3    |
| 82.5° | 1.6    |
| 85°   | 0.8    |
| 87.5° | 0.8    |
| 90°   | 0.0    |

(END OF REPORT)