

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: P1297342

Luminaire Tested: P3A13R45W2N902750DE010 E3DLD1GPH\_3000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R45W2N902750DE010 E3DLD1GPH\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,  
E3DLD1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

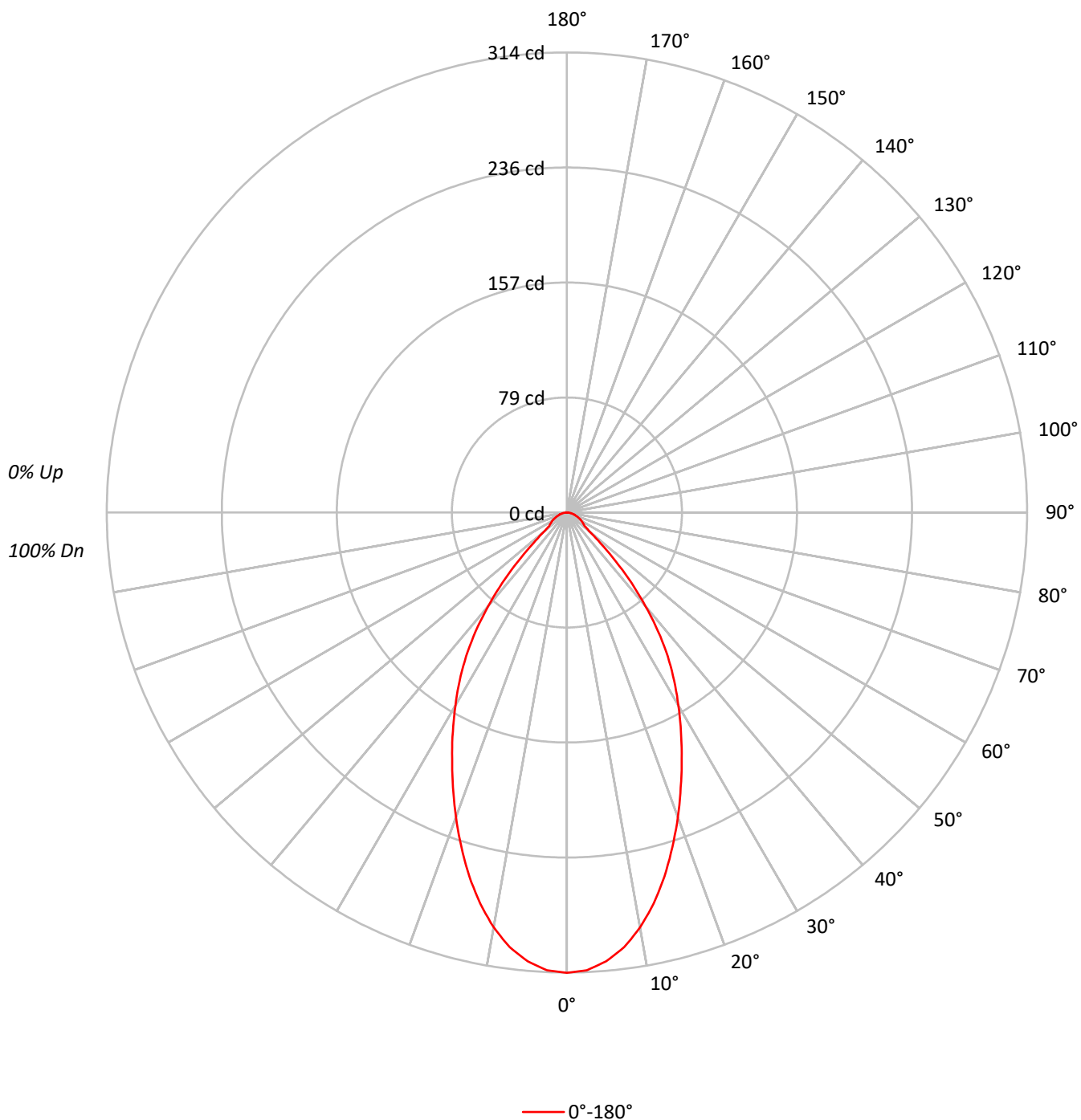
Lumens per Lamp: N/A  
Luminaire Lumens: 325.0 lumens  
Efficiency: N/A  
Efficacy: 26.4 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1297342

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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  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 91  |    |    |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 82  | 97  | 91  | 85  | 81  | 88  | 83  | 80  | 85  | 81  | 78  | 83  | 80  | 77  | 75  |    |    |
| 4   | 94  | 85  | 78  | 74  | 92  | 84  | 78  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 74  | 71  | 69  |    |    |
| 5   | 88  | 79  | 72  | 67  | 86  | 78  | 71  | 67  | 76  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 65  | 63  |    |    |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 66  | 61  | 71  | 65  | 61  | 69  | 64  | 60  | 68  | 63  | 60  | 58  |    |    |
| 7   | 78  | 68  | 61  | 57  | 77  | 67  | 61  | 56  | 66  | 60  | 56  | 65  | 60  | 56  | 64  | 59  | 55  | 54  |    |    |
| 8   | 74  | 64  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |    |
| 9   | 70  | 60  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 52  | 48  | 47  |    |    |
| 10  | 67  | 56  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 45  | 44  |    |    |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 68898 |
| 5°  | 67686 |
| 10° | 64038 |
| 15° | 58411 |
| 20° | 51664 |
| 25° | 44857 |
| 30° | 38512 |
| 35° | 32096 |
| 40° | 23902 |
| 45° | 14637 |
| 50° | 6789  |
| 55° | 5314  |
| 60° | 5087  |
| 65° | 4670  |
| 70° | 4296  |
| 75° | 4151  |
| 80° | 3788  |
| 85° | 2768  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 14637 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 28.7   | 8.8       |
| 10°-20°   | 71.6   | 22.0      |
| 20°-30°   | 85.1   | 26.2      |
| 30°-40°   | 74.0   | 22.8      |
| 40°-50°   | 37.1   | 11.4      |
| 50°-60°   | 12.9   | 4.0       |
| 60°-70°   | 9.0    | 2.8       |
| 70°-80°   | 5.0    | 1.5       |
| 80°-90°   | 1.5    | 0.5       |
| 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°    | 185.5  | 57.1      |
| 0°-40°    | 259.4  | 79.8      |
| 0°-60°    | 309.4  | 95.2      |
| 0°-90°    | 325.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 325.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 314 |      |
| 5°  | 308 | 29   |
| 15° | 257 | 72   |
| 25° | 185 | 85   |
| 35° | 120 | 74   |
| 45° | 47  | 37   |
| 55° | 14  | 13   |
| 65° | 9   | 9    |
| 75° | 5   | 5    |
| 85° | 1   | 1    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 314.2 |
| 2.5°  | 312.7 |
| 5°    | 307.5 |
| 7.5°  | 299.3 |
| 10°   | 287.6 |
| 12.5° | 273.4 |
| 15°   | 257.3 |
| 17.5° | 239.3 |
| 20°   | 221.4 |
| 22.5° | 203.0 |
| 25°   | 185.4 |
| 27.5° | 168.5 |
| 30°   | 152.1 |
| 32.5° | 136.3 |
| 35°   | 119.9 |
| 37.5° | 102.3 |
| 40°   | 83.5  |
| 42.5° | 65.2  |
| 45°   | 47.2  |
| 47.5° | 31.1  |
| 50°   | 19.9  |
| 52.5° | 15.4  |
| 55°   | 13.9  |
| 57.5° | 12.7  |
| 60°   | 11.6  |
| 62.5° | 10.5  |
| 65°   | 9.0   |
| 67.5° | 7.9   |
| 70°   | 6.7   |
| 72.5° | 5.6   |
| 75°   | 4.9   |
| 77.5° | 3.7   |
| 80°   | 3.0   |
| 82.5° | 2.2   |
| 85°   | 1.1   |
| 87.5° | 0.7   |
| 90°   | 0.0   |

(END OF REPORT)