

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: P1290545

Luminaire Tested: P3A05R55W2N902765DE010 E3DLD1MW\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1290545  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R55W2N902765DE010 E3DLD1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,  
E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

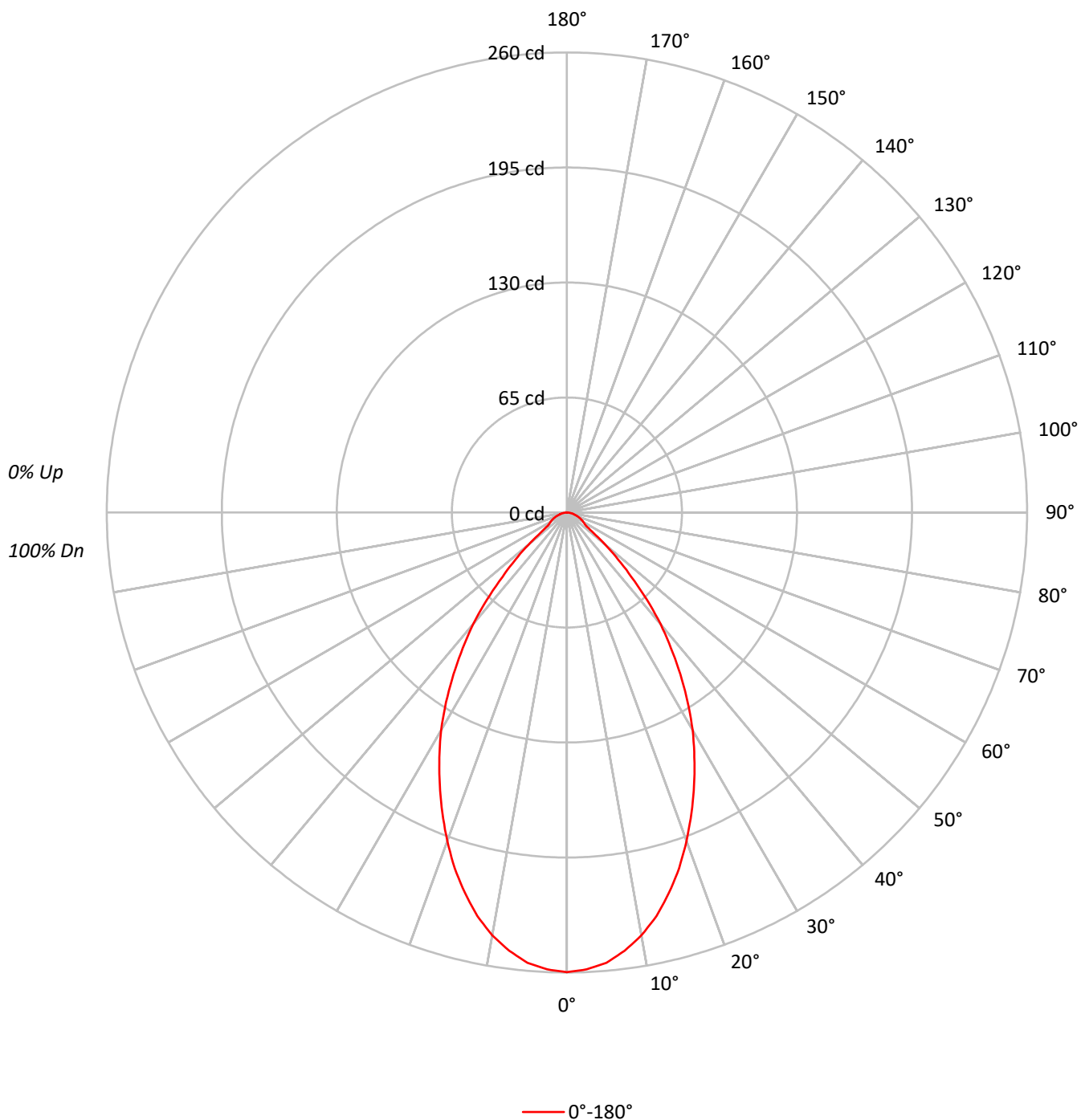
Lumens per Lamp: N/A  
Luminaire Lumens: 303.0 lumens  
Efficiency: N/A  
Efficacy: 51.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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: P1290545

CATALOG NUMBER: P3A05R55W2N902765DE010 E3DLD1MW\_2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P1290545

CATALOG NUMBER: P3A05R55W2N902765DE010 E3DLD1MW\_2700K

### 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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 93  | 91  |  |  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  | 91  | 88  | 86  | 89  | 86  | 84  | 82  |  |  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 74  |  |  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |  |  |
| 5   | 87  | 77  | 71  | 66  | 85  | 76  | 70  | 65  | 75  | 69  | 65  | 73  | 68  | 64  | 71  | 67  | 64  | 62  |  |  |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 60  | 69  | 64  | 59  | 68  | 63  | 59  | 66  | 62  | 58  | 57  |  |  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 52  |  |  |
| 8   | 73  | 62  | 55  | 51  | 72  | 62  | 55  | 51  | 60  | 55  | 50  | 59  | 54  | 50  | 58  | 53  | 50  | 48  |  |  |
| 9   | 69  | 58  | 51  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  | 56  | 50  | 46  | 55  | 50  | 46  | 45  |  |  |
| 10  | 65  | 55  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 47  | 43  | 42  |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 56969 |
| 5°  | 56240 |
| 10° | 54018 |
| 15° | 50534 |
| 20° | 46087 |
| 25° | 41131 |
| 30° | 35980 |
| 35° | 29901 |
| 40° | 23558 |
| 45° | 15971 |
| 50° | 9757  |
| 55° | 5046  |
| 60° | 4693  |
| 65° | 4462  |
| 70° | 4103  |
| 75° | 3643  |
| 80° | 3662  |
| 85° | 2768  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 15971 cd/sqm

TEST NUMBER: P1290545

CATALOG NUMBER: P3A05R55W2N902765DE010 E3DLD1MW\_2700K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.0   | 7.9       |
| 10°-20°   | 62.2   | 20.5      |
| 20°-30°   | 77.9   | 25.7      |
| 30°-40°   | 69.5   | 23.0      |
| 40°-50°   | 40.7   | 13.4      |
| 50°-60°   | 14.0   | 4.6       |
| 60°-70°   | 8.5    | 2.8       |
| 70°-80°   | 4.7    | 1.6       |
| 80°-90°   | 1.4    | 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°    | 164.1  | 54.2      |
| 0°-40°    | 233.6  | 77.1      |
| 0°-60°    | 288.4  | 95.2      |
| 0°-90°    | 303.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 303.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 260 |      |
| 5°  | 256 | 24   |
| 15° | 223 | 62   |
| 25° | 170 | 78   |
| 35° | 112 | 70   |
| 45° | 52  | 41   |
| 55° | 13  | 14   |
| 65° | 9   | 8    |
| 75° | 4   | 5    |
| 85° | 1   | 1    |
| 90° | 0   |      |

TEST NUMBER: P1290545

CATALOG NUMBER: P3A05R55W2N902765DE010 E3DLD1MW\_2700K

**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 259.8 |
| 2.5°  | 258.4 |
| 5°    | 255.5 |
| 7.5°  | 249.8 |
| 10°   | 242.6 |
| 12.5° | 233.7 |
| 15°   | 222.6 |
| 17.5° | 210.8 |
| 20°   | 197.5 |
| 22.5° | 183.9 |
| 25°   | 170.0 |
| 27.5° | 156.0 |
| 30°   | 142.1 |
| 32.5° | 127.0 |
| 35°   | 111.7 |
| 37.5° | 96.6  |
| 40°   | 82.3  |
| 42.5° | 66.9  |
| 45°   | 51.5  |
| 47.5° | 39.4  |
| 50°   | 28.6  |
| 52.5° | 18.6  |
| 55°   | 13.2  |
| 57.5° | 11.8  |
| 60°   | 10.7  |
| 62.5° | 9.7   |
| 65°   | 8.6   |
| 67.5° | 7.5   |
| 70°   | 6.4   |
| 72.5° | 5.4   |
| 75°   | 4.3   |
| 77.5° | 3.6   |
| 80°   | 2.9   |
| 82.5° | 1.8   |
| 85°   | 1.1   |
| 87.5° | 0.7   |
| 90°   | 0.0   |

(END OF REPORT)