

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: P1300504

Luminaire Tested: P3A17R35W2N902750DE010 E3DL1WMH\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1300504  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R35W2N902750DE010 E3DL1WMH\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

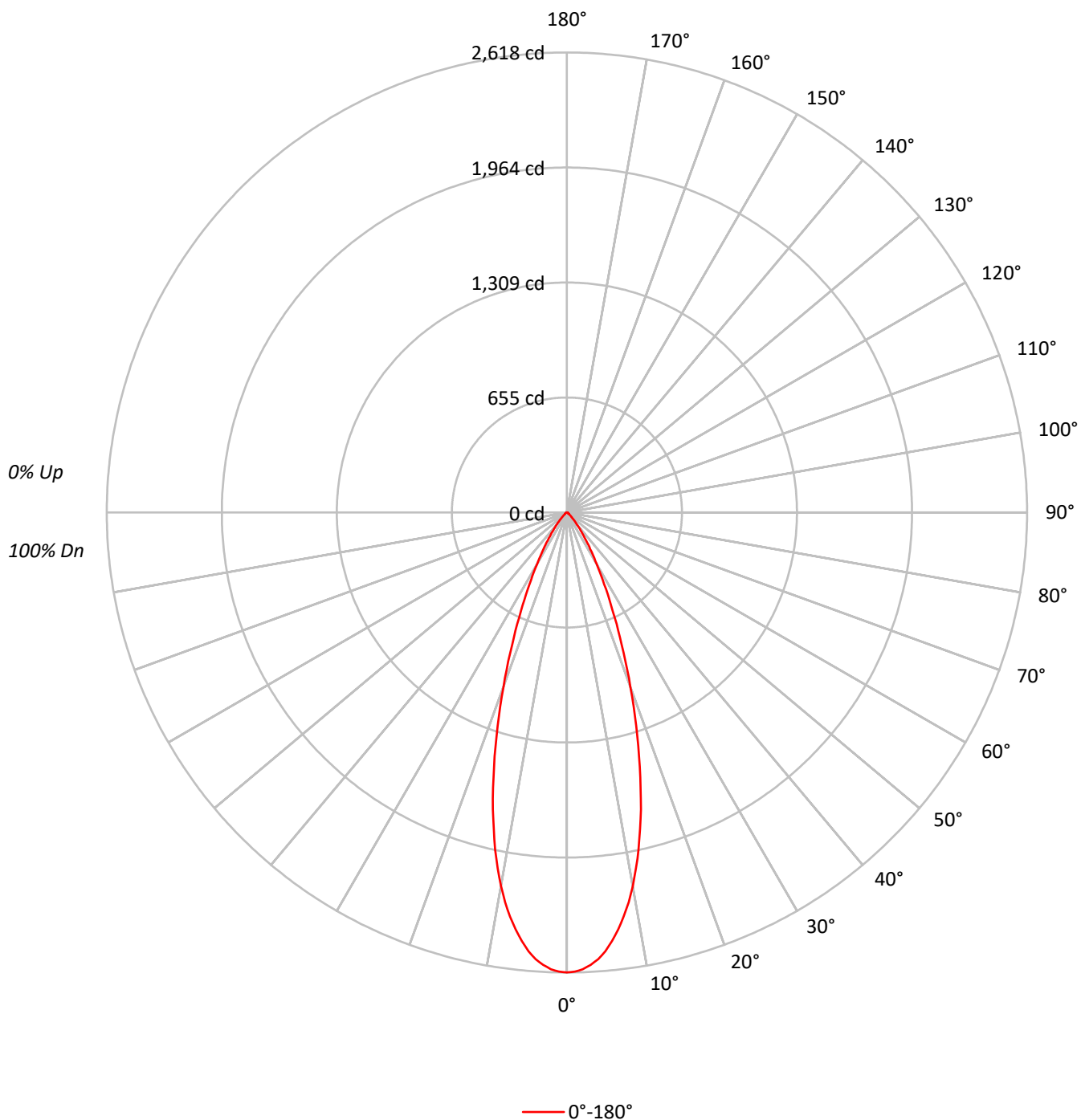
Lumens per Lamp: N/A  
Luminaire Lumens: 1138.0 lumens  
Efficiency: N/A  
Efficacy: 58.7 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.58  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1300504

CATALOG NUMBER: P3A17R35W2N902750DE010 E3DL1WMH\_2700K

### 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   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 95  |    |    |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 90  |    |    |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 88  | 86  | 85  |    |    |
| 4   | 100 | 94  | 89  | 85  | 99  | 93  | 88  | 85  | 91  | 87  | 84  | 89  | 85  | 83  | 87  | 84  | 82  | 80  |    |    |
| 5   | 96  | 89  | 84  | 80  | 95  | 88  | 83  | 80  | 86  | 82  | 79  | 85  | 81  | 78  | 83  | 80  | 78  | 76  |    |    |
| 6   | 92  | 85  | 80  | 76  | 91  | 84  | 79  | 76  | 83  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 74  | 73  |    |    |
| 7   | 89  | 81  | 76  | 72  | 88  | 80  | 75  | 72  | 79  | 75  | 71  | 78  | 74  | 71  | 77  | 73  | 71  | 70  |    |    |
| 8   | 85  | 77  | 72  | 69  | 84  | 77  | 72  | 68  | 76  | 71  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 67  |    |    |
| 9   | 82  | 74  | 69  | 66  | 81  | 74  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 68  | 65  | 64  |    |    |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 65  | 62  | 69  | 65  | 62  | 61  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 573967 |
| 5°  | 551616 |
| 10° | 480619 |
| 15° | 368129 |
| 20° | 246281 |
| 25° | 149017 |
| 30° | 85507  |
| 35° | 47810  |
| 40° | 25419  |
| 45° | 13087  |
| 50° | 6277   |
| 55° | 4970   |
| 60° | 4736   |
| 65° | 3943   |
| 70° | 4167   |
| 75° | 3643   |
| 80° | 4041   |
| 85° | 2768   |

**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°    | 228.0  | 20.0      |
| 10°-20°   | 441.8  | 38.8      |
| 20°-30°   | 289.3  | 25.4      |
| 30°-40°   | 117.4  | 10.3      |
| 40°-50°   | 35.2   | 3.1       |
| 50°-60°   | 12.0   | 1.1       |
| 60°-70°   | 8.0    | 0.7       |
| 70°-80°   | 4.7    | 0.4       |
| 80°-90°   | 1.6    | 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°    | 959.1  | 84.3      |
| 0°-40°    | 1076.5 | 94.6      |
| 0°-60°    | 1123.6 | 98.7      |
| 0°-90°    | 1138.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1138.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2618 |      |
| 5°  | 2506 | 228  |
| 15° | 1622 | 442  |
| 25° | 616  | 289  |
| 35° | 179  | 117  |
| 45° | 42   | 35   |
| 55° | 13   | 12   |
| 65° | 8    | 8    |
| 75° | 4    | 5    |
| 85° | 1    | 2    |
| 90° | 0    |      |

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CATALOG NUMBER: P3A17R35W2N902750DE010 E3DL1WMH\_2700K

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2617.5 |
| 1°    | 2613.1 |
| 2°    | 2601.2 |
| 3°    | 2577.4 |
| 4°    | 2549.3 |
| 5°    | 2506.0 |
| 6°    | 2451.8 |
| 7°    | 2391.2 |
| 8°    | 2323.0 |
| 9°    | 2245.1 |
| 10°   | 2158.5 |
| 11°   | 2062.1 |
| 12°   | 1961.5 |
| 13°   | 1848.9 |
| 14°   | 1741.7 |
| 15°   | 1621.6 |
| 17.5° | 1330.4 |
| 20°   | 1055.4 |
| 22.5° | 811.9  |
| 25°   | 615.9  |
| 27.5° | 459.0  |
| 30°   | 337.7  |
| 32.5° | 247.9  |
| 35°   | 178.6  |
| 37.5° | 126.7  |
| 40°   | 88.8   |
| 42.5° | 61.7   |
| 45°   | 42.2   |
| 47.5° | 28.1   |
| 50°   | 18.4   |
| 52.5° | 14.1   |
| 55°   | 13.0   |
| 57.5° | 11.9   |
| 60°   | 10.8   |
| 62.5° | 9.7    |
| 65°   | 7.6    |
| 67.5° | 6.5    |
| 70°   | 6.5    |
| 72.5° | 5.4    |
| 75°   | 4.3    |
| 77.5° | 3.2    |
| 80°   | 3.2    |
| 82.5° | 2.2    |
| 85°   | 1.1    |
| 87.5° | 1.1    |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)