

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: P1300573

Luminaire Tested: P3A17R35W2N902750DE010 E3PH1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

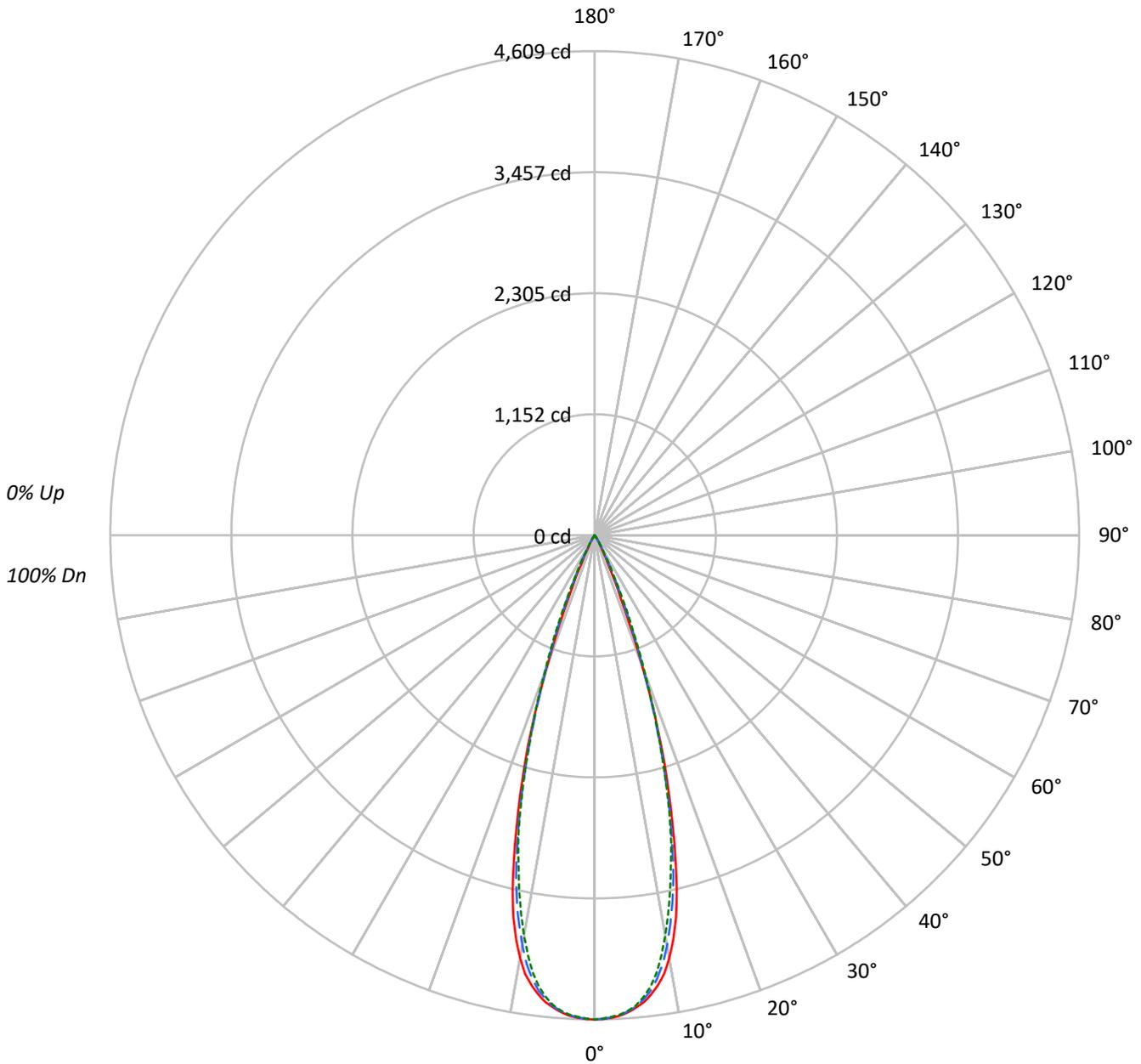
Test Method: LM-79-2019  
Report Number: P1300573  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R35W2N902750DE010 E3PH1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,  
E3PH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1399.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
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: P1300573  
CATALOG NUMBER: P3A17R35W2N902750DE010 E3PH1MW\_5000K

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



TEST NUMBER: P1300573

CATALOG NUMBER: P3A17R35W2N902750DE010 E3PH1MW\_5000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 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 | 100 | 100 | 100 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 97  | 97  | 97  |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  | 100 | 98  | 97  | 97  | 96  | 95  | 93  | 93  | 93  | 93  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  | 97  | 95  | 93  | 95  | 93  | 92  | 90  | 90  | 90  | 90  |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 90  | 89  | 87  | 87  | 87  | 87  |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  | 92  | 89  | 87  | 90  | 88  | 86  | 85  | 85  | 85  | 85  |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 82  | 82  | 82  |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 80  | 80  | 80  | 80  |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  | 84  | 81  | 79  | 83  | 80  | 78  | 77  | 77  | 77  | 77  |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  | 82  | 79  | 76  | 81  | 78  | 76  | 75  | 75  | 75  | 75  |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 73  | 73  | 73  | 73  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1010708 | 1010708 | 1010708 |
| 5°  | 993350  | 991237  | 989102  |
| 10° | 910382  | 883016  | 861552  |
| 15° | 651899  | 631105  | 623454  |
| 20° | 302286  | 312694  | 323661  |
| 25° | 71714   | 102054  | 106409  |
| 30° | 21041   | 24105   | 27143   |
| 35° | 4845    | 7736    | 7094    |
| 40° | 1031    | 2061    | 1374    |
| 45° | 372     | 372     | 372     |
| 50° | 409     | 0       | 409     |
| 55° | 0       | 0       | 0       |
| 60° | 0       | 0       | 0       |
| 65° | 0       | 0       | 0       |
| 70° | 0       | 0       | 0       |
| 75° | 0       | 0       | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 432 cd/sqm



TEST NUMBER: P1300573

CATALOG NUMBER: P3A17R35W2N902750DE010 E3PH1MW\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 413.8  | 29.6      |
| 10°-20°   | 739.8  | 52.9      |
| 20°-30°   | 222.6  | 15.9      |
| 30°-40°   | 21.3   | 1.5       |
| 40°-50°   | 1.4    | 0.1       |
| 50°-60°   | 0.1    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 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       |
| 0°-30°    | 1376.2 | 98.4      |
| 0°-40°    | 1397.4 | 99.9      |
| 0°-60°    | 1399.0 | 100.0     |
| 0°-90°    | 1399.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1399.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4609 | 4609  | 4609 | 4609  | 4609 |      |
| 5°  | 4513 | 4512  | 4503 | 4497  | 4494 | 418  |
| 15° | 2872 | 2850  | 2780 | 2768  | 2746 | 758  |
| 25° | 296  | 327   | 422  | 440   | 440  | 191  |
| 35° | 18   | 24    | 29   | 31    | 26   | 17   |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |



TEST NUMBER: P1300573

CATALOG NUMBER: P3A17R35W2N902750DE010 E3PH1MW\_5000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4609.2 | 4609.2 | 4609.2 | 4609.2 | 4609.2 |
| 1°    | 4606.8 | 4606.8 | 4604.4 | 4604.4 | 4599.6 |
| 2°    | 4596.0 | 4597.2 | 4592.4 | 4591.1 | 4587.5 |
| 3°    | 4579.1 | 4575.5 | 4575.5 | 4573.1 | 4570.7 |
| 4°    | 4552.6 | 4545.4 | 4542.9 | 4544.1 | 4539.3 |
| 5°    | 4512.8 | 4511.6 | 4503.2 | 4497.2 | 4493.5 |
| 6°    | 4469.4 | 4461.0 | 4442.9 | 4427.3 | 4423.6 |
| 7°    | 4404.4 | 4386.3 | 4370.6 | 4338.1 | 4333.3 |
| 8°    | 4324.8 | 4295.9 | 4262.2 | 4216.4 | 4214.0 |
| 9°    | 4227.2 | 4180.2 | 4133.2 | 4071.8 | 4050.1 |
| 10°   | 4088.6 | 4045.3 | 3965.7 | 3911.5 | 3869.3 |
| 11°   | 3916.3 | 3862.1 | 3769.3 | 3704.2 | 3669.3 |
| 12°   | 3721.1 | 3670.5 | 3562.1 | 3503.0 | 3453.6 |
| 13°   | 3470.5 | 3428.3 | 3327.1 | 3262.0 | 3223.4 |
| 14°   | 3180.1 | 3148.7 | 3052.3 | 3023.4 | 3010.2 |
| 15°   | 2871.6 | 2849.9 | 2780.0 | 2767.9 | 2746.3 |
| 17.5° | 2113.6 | 2077.5 | 2037.7 | 2044.9 | 2052.2 |
| 20°   | 1295.4 | 1346.0 | 1340.0 | 1366.5 | 1387.0 |
| 22.5° | 645.9  | 711.0  | 786.9  | 832.7  | 855.6  |
| 25°   | 296.4  | 326.6  | 421.8  | 439.8  | 439.8  |
| 27.5° | 149.4  | 156.7  | 198.8  | 202.4  | 212.1  |
| 30°   | 83.1   | 89.2   | 95.2   | 106.0  | 107.2  |
| 32.5° | 42.2   | 49.4   | 51.8   | 57.8   | 55.4   |
| 35°   | 18.1   | 24.1   | 28.9   | 31.3   | 26.5   |
| 37.5° | 8.4    | 10.8   | 15.7   | 14.5   | 10.8   |
| 40°   | 3.6    | 4.8    | 7.2    | 6.0    | 4.8    |
| 42.5° | 2.4    | 2.4    | 3.6    | 2.4    | 2.4    |
| 45°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 47.5° | 1.2    | 1.2    | 0.0    | 1.2    | 1.2    |
| 50°   | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 52.5° | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1300573  
CATALOG NUMBER: P3A17R35W2N902750DE010 E3PH1MW\_5000K

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)