

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: P1299956

Luminaire Tested: P3A17R25W2N902765DE010 E3D1WH_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R25W2N902765DE010 E3D1WH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
E3D1WH TRIM
Light Source: -
Ballast/Driver: -

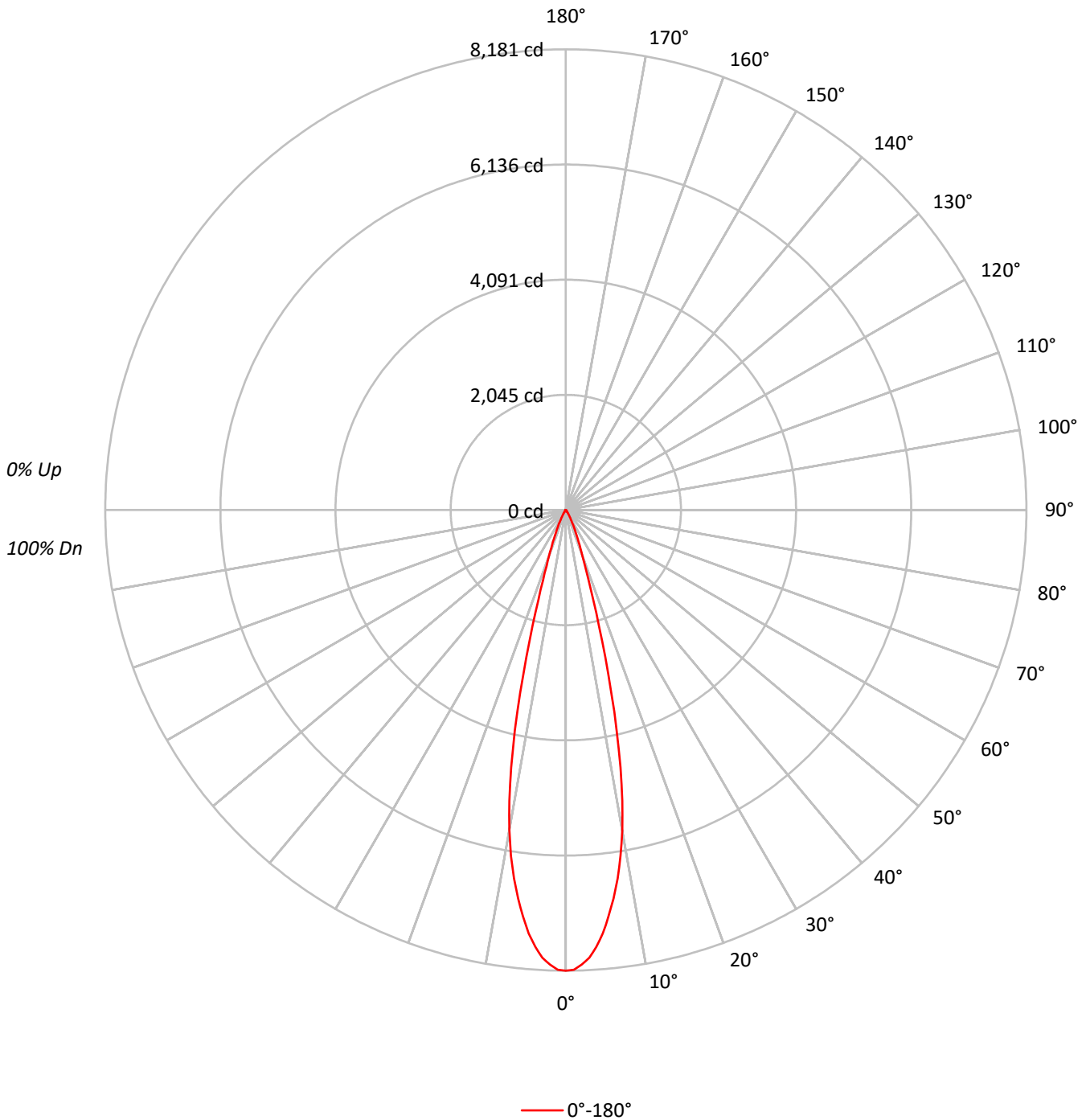
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1638.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.4
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: P1299956
CATALOG NUMBER: P3A17R25W2N902765DE010 E3D1WH_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1299956
 CATALOG NUMBER: P3A17R25W2N902765DE010 E3D1WH_3500K

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 |
| 1 | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 99 | 99 | | | | 97 |
| 2 | 112 | 108 | 106 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99 | 98 | 98 | 97 | 96 | | | | 94 |
| 3 | 109 | 104 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 96 | 98 | 96 | 94 | 96 | 94 | 93 | | | | 92 |
| 4 | 106 | 101 | 97 | 94 | 104 | 100 | 96 | 94 | 98 | 95 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | | | | 89 |
| 5 | 103 | 97 | 93 | 91 | 101 | 96 | 93 | 90 | 95 | 92 | 90 | 93 | 91 | 89 | 92 | 90 | 88 | | | | 87 |
| 6 | 100 | 94 | 90 | 88 | 99 | 94 | 90 | 87 | 92 | 89 | 87 | 91 | 88 | 86 | 90 | 88 | 86 | | | | 85 |
| 7 | 98 | 92 | 88 | 85 | 97 | 91 | 87 | 85 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | | | | 83 |
| 8 | 95 | 89 | 85 | 83 | 94 | 89 | 85 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | | | | 81 |
| 9 | 93 | 87 | 83 | 81 | 92 | 86 | 83 | 80 | 86 | 83 | 80 | 85 | 82 | 80 | 84 | 82 | 80 | | | | 79 |
| 10 | 91 | 85 | 81 | 79 | 90 | 84 | 81 | 79 | 84 | 81 | 78 | 83 | 80 | 78 | 83 | 80 | 78 | | | | 77 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 1793913 |
| 5° | 1661805 |
| 10° | 1285748 |
| 15° | 614124 |
| 20° | 202481 |
| 25° | 85360 |
| 30° | 33094 |
| 35° | 14322 |
| 40° | 4752 |
| 45° | 2202 |
| 50° | 819 |
| 55° | 459 |
| 60° | 263 |
| 65° | 311 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2202 cd/sqm



TEST NUMBER: P1299956

CATALOG NUMBER: P3A17R25W2N902765DE010 E3D1WH_3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 663.6 | 40.5 |
| 10°-20° | 754.8 | 46.1 |
| 20°-30° | 175.4 | 10.7 |
| 30°-40° | 36.8 | 2.2 |
| 40°-50° | 6.0 | 0.4 |
| 50°-60° | 1.0 | 0.1 |
| 60°-70° | 0.5 | 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° | 1593.8 | 97.3 |
| 0°-40° | 1630.6 | 99.5 |
| 0°-60° | 1637.5 | 100.0 |
| 0°-90° | 1638.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1638.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 8181 | |
| 5° | 7550 | 664 |
| 15° | 2705 | 755 |
| 25° | 353 | 175 |
| 35° | 54 | 37 |
| 45° | 7 | 6 |
| 55° | 1 | 1 |
| 65° | 1 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P1299956
CATALOG NUMBER: P3A17R25W2N902765DE010 E3D1WH_3500K

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 8180.9 |
| 1° | 8164.3 |
| 2° | 8079.4 |
| 3° | 7960.0 |
| 4° | 7777.7 |
| 5° | 7549.6 |
| 6° | 7256.8 |
| 7° | 6950.4 |
| 8° | 6606.5 |
| 9° | 6218.7 |
| 10° | 5774.4 |
| 11° | 5259.5 |
| 12° | 4668.6 |
| 13° | 4021.3 |
| 14° | 3344.2 |
| 15° | 2705.2 |
| 16° | 2139.8 |
| 17° | 1667.1 |
| 18° | 1311.3 |
| 19° | 1048.8 |
| 20° | 867.7 |
| 21° | 725.1 |
| 22° | 608.7 |
| 23° | 508.4 |
| 24° | 425.2 |
| 25° | 352.8 |
| 27.5° | 209.1 |
| 30° | 130.7 |
| 32.5° | 83.7 |
| 35° | 53.5 |
| 37.5° | 32.1 |
| 40° | 16.6 |
| 42.5° | 10.7 |
| 45° | 7.1 |
| 47.5° | 4.2 |
| 50° | 2.4 |
| 52.5° | 1.2 |
| 55° | 1.2 |
| 57.5° | 0.6 |
| 60° | 0.6 |
| 62.5° | 0.6 |
| 65° | 0.6 |
| 67.5° | 0.6 |
| 70° | 0.0 |
| 72.5° | 0.0 |



TEST NUMBER: P1299956
CATALOG NUMBER: P3A17R25W2N902765DE010 E3D1WH_3500K

CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)