

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: P1301577

Luminaire Tested: P3AS17R50W2N902765DE010 E3DL1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R50W2N902765DE010 E3DL1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

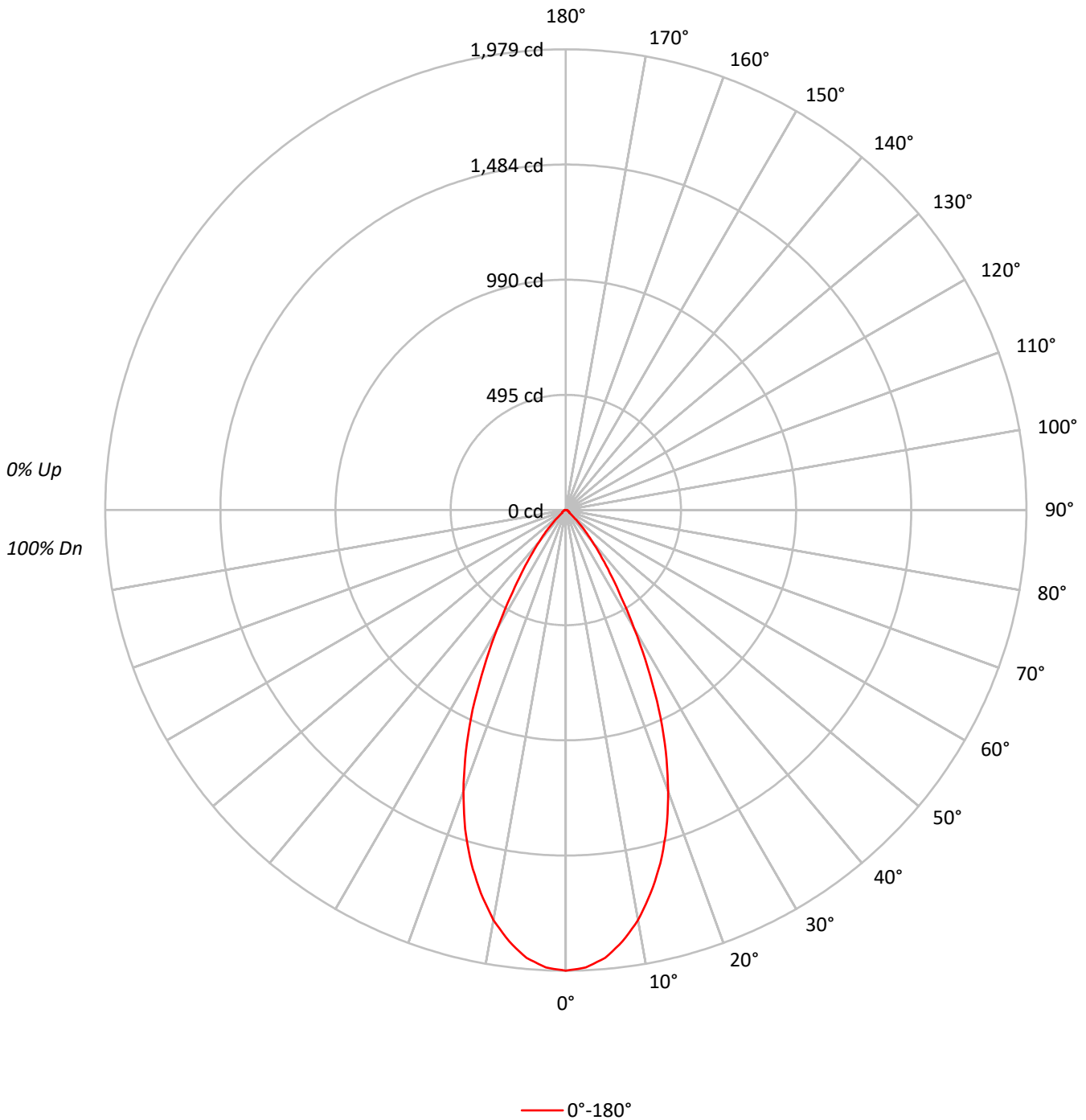
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1363.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1301577

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 94 | 94 | 94 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 87 | 87 | 87 | 87 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 84 | 88 | 85 | 83 | 82 | 82 | 82 | 82 |
| 4 | 98 | 91 | 85 | 81 | 96 | 90 | 85 | 81 | 87 | 83 | 80 | 85 | 82 | 79 | 84 | 80 | 78 | 76 | 76 | 76 | 76 |
| 5 | 93 | 85 | 80 | 75 | 92 | 84 | 79 | 75 | 83 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 6 | 89 | 80 | 75 | 71 | 88 | 80 | 74 | 70 | 78 | 73 | 70 | 77 | 73 | 69 | 75 | 72 | 69 | 67 | 67 | 67 | 67 |
| 7 | 85 | 76 | 70 | 66 | 84 | 75 | 70 | 66 | 74 | 69 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 64 | 64 | 64 | 64 |
| 8 | 81 | 72 | 66 | 62 | 80 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 64 | 61 | 60 | 60 | 60 | 60 |
| 9 | 78 | 68 | 63 | 59 | 76 | 68 | 62 | 59 | 67 | 62 | 59 | 66 | 62 | 58 | 65 | 61 | 58 | 57 | 57 | 57 | 57 |
| 10 | 74 | 65 | 59 | 56 | 73 | 65 | 59 | 56 | 64 | 59 | 55 | 63 | 58 | 55 | 62 | 58 | 55 | 54 | 54 | 54 | 54 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 433956 |
| 5° | 425203 |
| 10° | 398278 |
| 15° | 356551 |
| 20° | 300046 |
| 25° | 229005 |
| 30° | 148833 |
| 35° | 88231 |
| 40° | 50981 |
| 45° | 25553 |
| 50° | 9518 |
| 55° | 7417 |
| 60° | 6929 |
| 65° | 6278 |
| 70° | 6219 |
| 75° | 6185 |
| 80° | 6061 |
| 85° | 6038 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25553 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 179.7 | 13.2 |
| 10°-20° | 434.3 | 31.9 |
| 20°-30° | 426.1 | 31.3 |
| 30°-40° | 214.7 | 15.7 |
| 40°-50° | 67.8 | 5.0 |
| 50°-60° | 17.6 | 1.3 |
| 60°-70° | 12.4 | 0.9 |
| 70°-80° | 7.7 | 0.6 |
| 80°-90° | 2.6 | 0.2 |
| 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° | 1040.2 | 76.3 |
| 0°-40° | 1254.8 | 92.1 |
| 0°-60° | 1340.3 | 98.3 |
| 0°-90° | 1363.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1363.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1979 | |
| 5° | 1932 | 180 |
| 15° | 1571 | 434 |
| 25° | 946 | 426 |
| 35° | 330 | 215 |
| 45° | 82 | 68 |
| 55° | 19 | 18 |
| 65° | 12 | 12 |
| 75° | 7 | 8 |
| 85° | 2 | 3 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1979.0 |
| 2.5° | 1966.9 |
| 5° | 1931.7 |
| 7.5° | 1868.7 |
| 10° | 1788.7 |
| 12.5° | 1685.7 |
| 15° | 1570.6 |
| 17.5° | 1437.3 |
| 20° | 1285.8 |
| 22.5° | 1122.2 |
| 25° | 946.5 |
| 27.5° | 759.8 |
| 30° | 587.8 |
| 32.5° | 442.3 |
| 35° | 329.6 |
| 37.5° | 243.6 |
| 40° | 178.1 |
| 42.5° | 126.0 |
| 45° | 82.4 |
| 47.5° | 47.3 |
| 50° | 27.9 |
| 52.5° | 20.6 |
| 55° | 19.4 |
| 57.5° | 17.0 |
| 60° | 15.8 |
| 62.5° | 14.5 |
| 65° | 12.1 |
| 67.5° | 10.9 |
| 70° | 9.7 |
| 72.5° | 8.5 |
| 75° | 7.3 |
| 77.5° | 6.1 |
| 80° | 4.8 |
| 82.5° | 3.6 |
| 85° | 2.4 |
| 87.5° | 1.2 |
| 90° | 0.0 |

(END OF REPORT)