

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: P1293830

Luminaire Tested: P3AS09R50W2N902750DE010 E3DL1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293830
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: P3AS09R50W2N902750DE010 E3DL1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

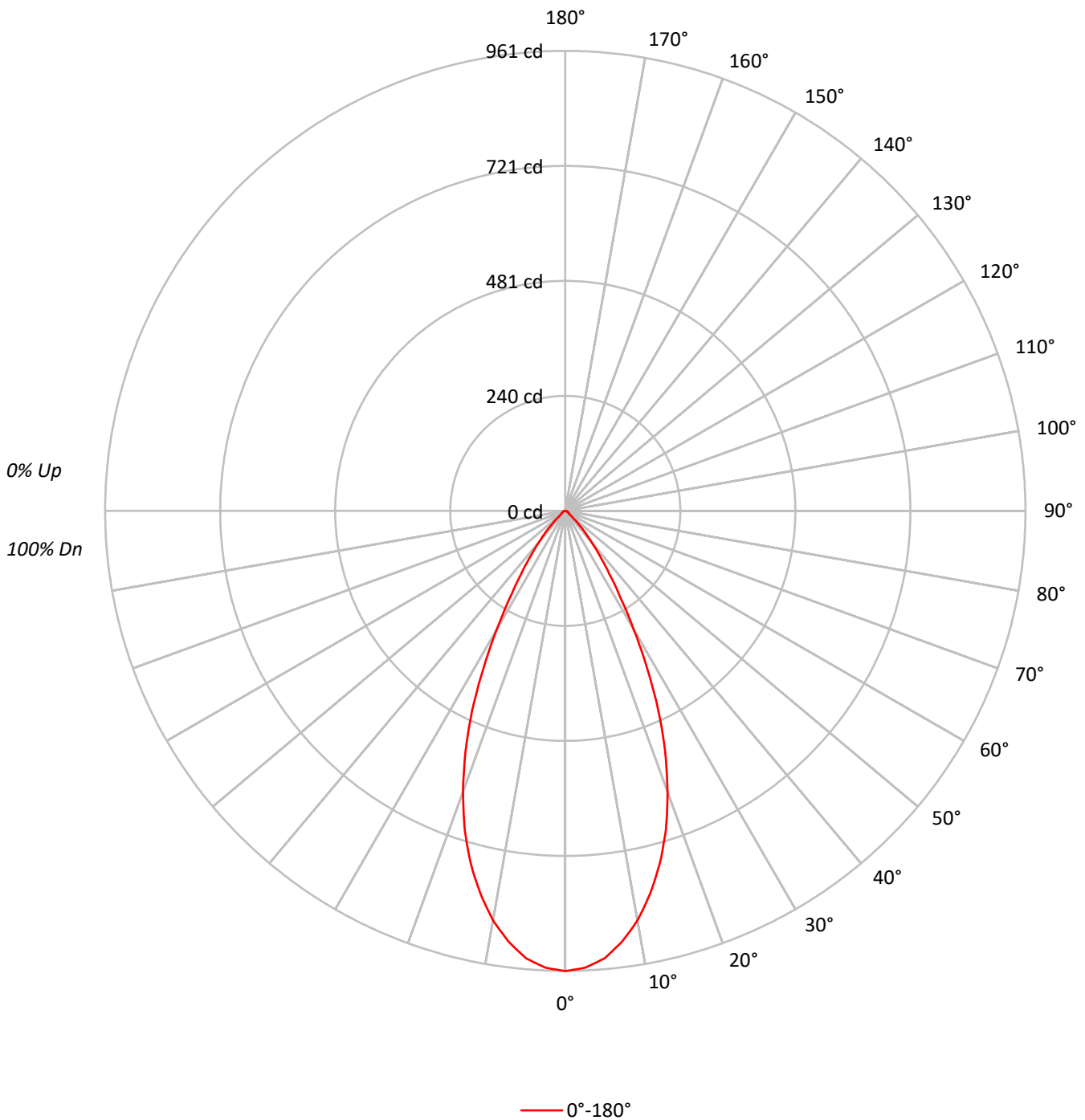
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 662.0 lumens
Efficiency: N/A
Efficacy: 73.6 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): 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

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Luminous Intensity Polar Plot





TEST NUMBER: P1293830

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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° | 210773 |
| 5° | 206515 |
| 10° | 193450 |
| 15° | 173168 |
| 20° | 145729 |
| 25° | 111224 |
| 30° | 72290 |
| 35° | 42858 |
| 40° | 24761 |
| 45° | 12404 |
| 50° | 4605 |
| 55° | 3594 |
| 60° | 3377 |
| 65° | 3061 |
| 70° | 3013 |
| 75° | 2965 |
| 80° | 3031 |
| 85° | 3019 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12404 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 87.3 | 13.2 |
| 10°-20° | 211.0 | 31.9 |
| 20°-30° | 207.0 | 31.3 |
| 30°-40° | 104.3 | 15.7 |
| 40°-50° | 32.9 | 5.0 |
| 50°-60° | 8.5 | 1.3 |
| 60°-70° | 6.1 | 0.9 |
| 70°-80° | 3.7 | 0.6 |
| 80°-90° | 1.3 | 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° | 505.2 | 76.3 |
| 0°-40° | 609.5 | 92.1 |
| 0°-60° | 650.9 | 98.3 |
| 0°-90° | 662.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 662.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 961 | |
| 5° | 938 | 87 |
| 15° | 763 | 211 |
| 25° | 460 | 207 |
| 35° | 160 | 104 |
| 45° | 40 | 33 |
| 55° | 9 | 9 |
| 65° | 6 | 6 |
| 75° | 4 | 4 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 961.2 |
| 2.5° | 955.3 |
| 5° | 938.2 |
| 7.5° | 907.6 |
| 10° | 868.8 |
| 12.5° | 818.7 |
| 15° | 762.8 |
| 17.5° | 698.1 |
| 20° | 624.5 |
| 22.5° | 545.0 |
| 25° | 459.7 |
| 27.5° | 369.1 |
| 30° | 285.5 |
| 32.5° | 214.8 |
| 35° | 160.1 |
| 37.5° | 118.3 |
| 40° | 86.5 |
| 42.5° | 61.2 |
| 45° | 40.0 |
| 47.5° | 23.0 |
| 50° | 13.5 |
| 52.5° | 10.0 |
| 55° | 9.4 |
| 57.5° | 8.2 |
| 60° | 7.7 |
| 62.5° | 7.1 |
| 65° | 5.9 |
| 67.5° | 5.3 |
| 70° | 4.7 |
| 72.5° | 4.1 |
| 75° | 3.5 |
| 77.5° | 2.9 |
| 80° | 2.4 |
| 82.5° | 1.8 |
| 85° | 1.2 |
| 87.5° | 0.6 |
| 90° | 0.0 |

(END OF REPORT)