

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: P1293783

Luminaire Tested: P3AS09R50W2N902750DE010 E3CD1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R50W2N902750DE010 E3CD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

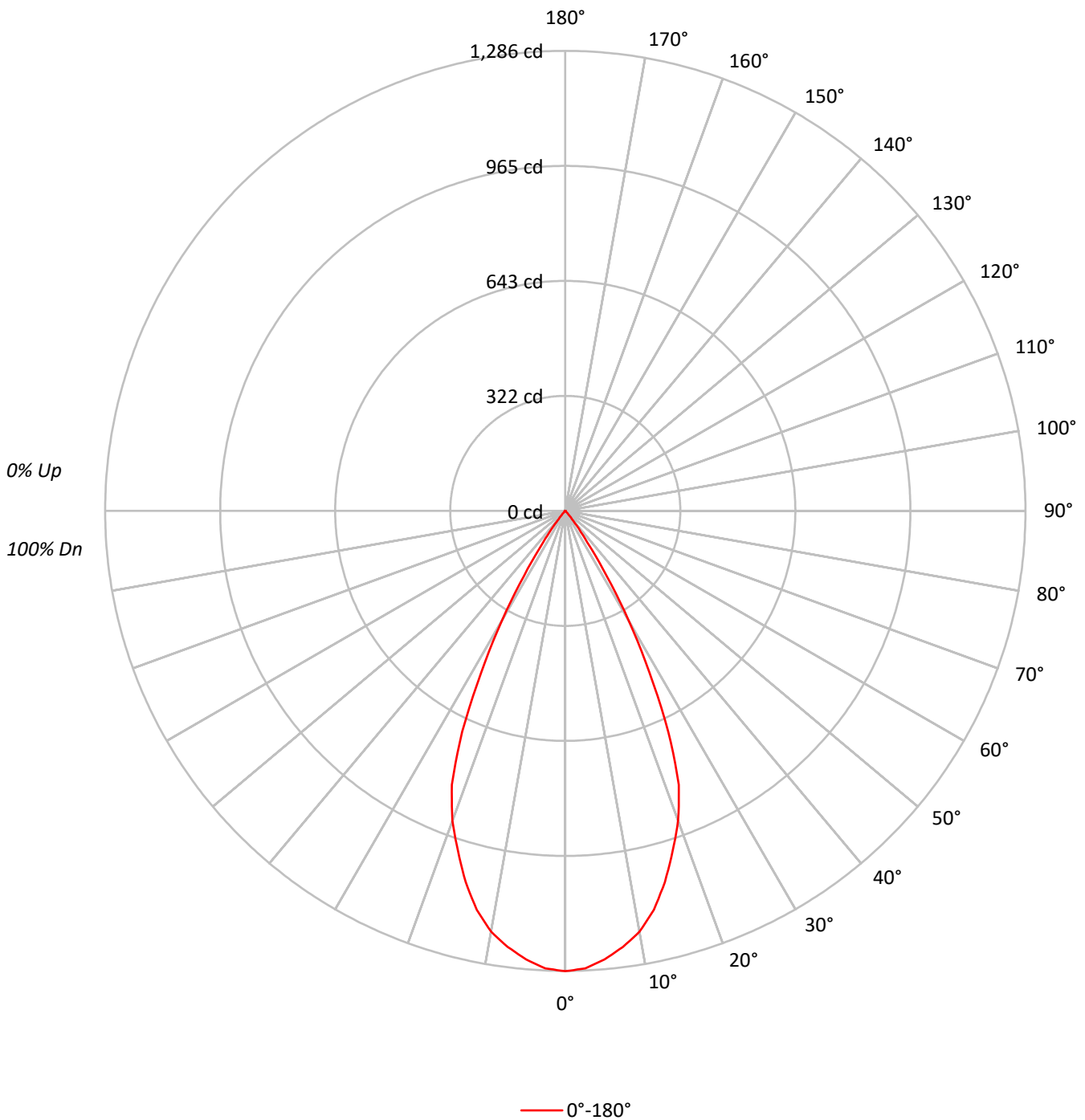
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 810.1 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
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





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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 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 101 | 99 | 98 | 97 | 96 | 95 | 95 | 95 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 90 | 90 | 90 | 90 |
| 3 | 105 | 99 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 88 | 86 | 85 | 85 | 85 | 85 |
| 4 | 100 | 94 | 89 | 85 | 99 | 92 | 88 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 87 | 84 | 82 | 80 | 80 | 80 | 80 |
| 5 | 96 | 89 | 84 | 80 | 94 | 88 | 83 | 79 | 86 | 82 | 79 | 84 | 81 | 78 | 83 | 80 | 77 | 76 | 76 | 76 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 79 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 69 | 69 | 69 | 69 |
| 8 | 85 | 76 | 71 | 67 | 83 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 65 | 65 | 65 | 65 |
| 9 | 81 | 73 | 68 | 64 | 80 | 72 | 67 | 64 | 71 | 67 | 64 | 71 | 66 | 63 | 70 | 66 | 63 | 62 | 62 | 62 | 62 |
| 10 | 78 | 69 | 64 | 61 | 77 | 69 | 64 | 61 | 68 | 64 | 61 | 68 | 63 | 61 | 67 | 63 | 60 | 59 | 59 | 59 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 282105 |
| 5° | 277041 |
| 10° | 266016 |
| 15° | 243929 |
| 20° | 215105 |
| 25° | 164864 |
| 30° | 89634 |
| 35° | 28830 |
| 40° | 6784 |
| 45° | 930 |
| 50° | 819 |
| 55° | 918 |
| 60° | 789 |
| 65° | 934 |
| 70° | 769 |
| 75° | 1017 |
| 80° | 758 |
| 85° | 1510 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 85°
 Luminance: 1510 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 118.1 | 14.6 |
| 10°-20° | 298.7 | 36.9 |
| 20°-30° | 299.1 | 36.9 |
| 30°-40° | 84.1 | 10.4 |
| 40°-50° | 5.1 | 0.6 |
| 50°-60° | 1.9 | 0.2 |
| 60°-70° | 1.6 | 0.2 |
| 70°-80° | 1.0 | 0.1 |
| 80°-90° | 0.4 | 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° | 715.9 | 88.4 |
| 0°-40° | 800.0 | 98.8 |
| 0°-60° | 807.1 | 99.6 |
| 0°-90° | 810.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 810.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1286 | |
| 5° | 1259 | 118 |
| 15° | 1074 | 299 |
| 25° | 681 | 299 |
| 35° | 108 | 84 |
| 45° | 3 | 5 |
| 55° | 2 | 2 |
| 65° | 2 | 2 |
| 75° | 1 | 1 |
| 85° | 1 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 1286.5 |
| 2.5° | 1280.0 |
| 5° | 1258.6 |
| 7.5° | 1229.6 |
| 10° | 1194.7 |
| 12.5° | 1142.0 |
| 15° | 1074.5 |
| 17.5° | 997.0 |
| 20° | 921.8 |
| 22.5° | 828.2 |
| 25° | 681.4 |
| 27.5° | 507.4 |
| 30° | 354.0 |
| 32.5° | 213.7 |
| 35° | 107.7 |
| 37.5° | 50.9 |
| 40° | 23.7 |
| 42.5° | 8.9 |
| 45° | 3.0 |
| 47.5° | 2.4 |
| 50° | 2.4 |
| 52.5° | 2.4 |
| 55° | 2.4 |
| 57.5° | 1.8 |
| 60° | 1.8 |
| 62.5° | 1.8 |
| 65° | 1.8 |
| 67.5° | 1.2 |
| 70° | 1.2 |
| 72.5° | 1.2 |
| 75° | 1.2 |
| 77.5° | 0.6 |
| 80° | 0.6 |
| 82.5° | 0.6 |
| 85° | 0.6 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)