

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: P1293944

Luminaire Tested: P3AS09R50W2N902765DE010 E3D1LI_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R50W2N902765DE010 E3D1LI_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

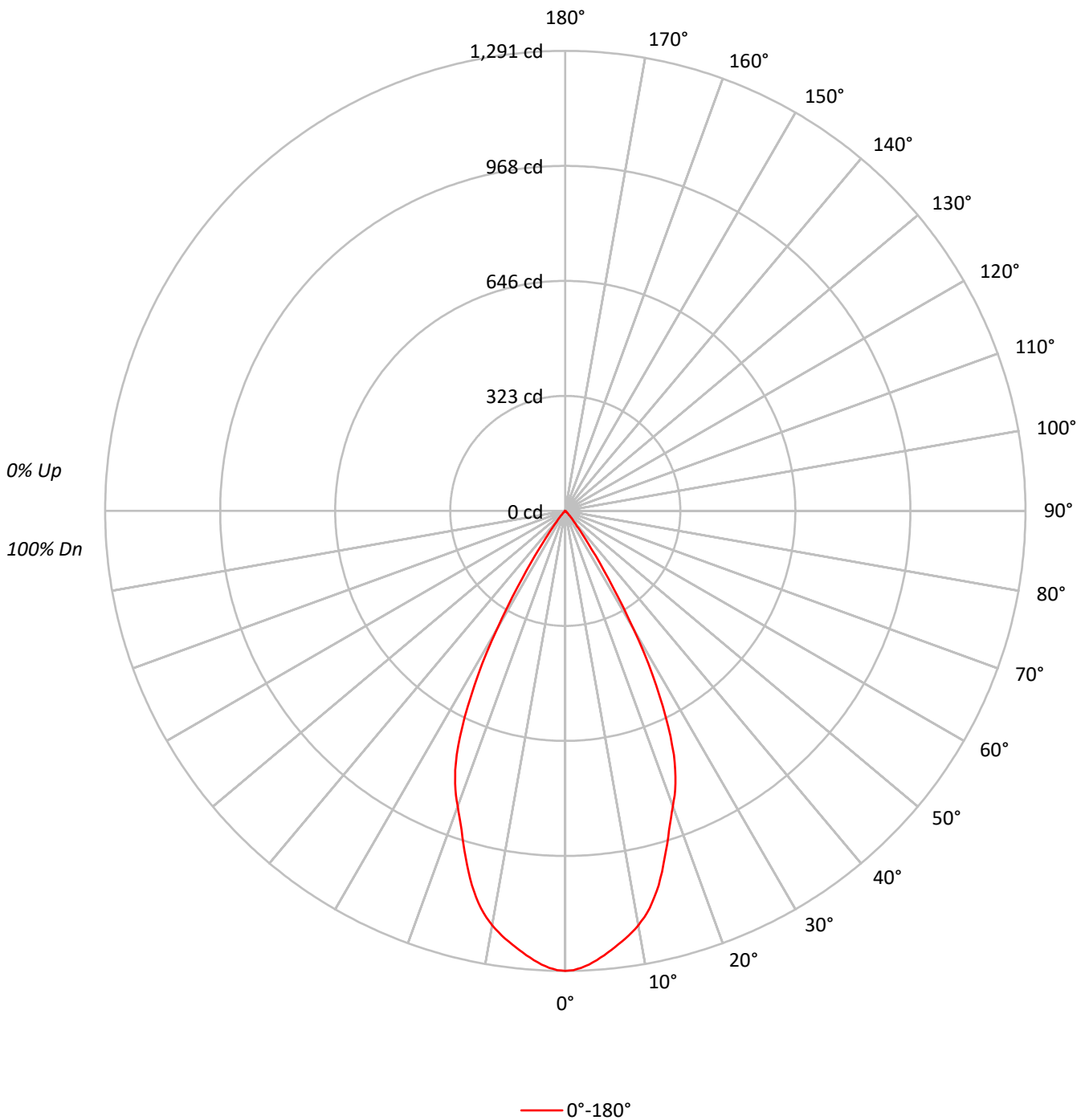
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 810.0 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
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 | | | | |
| 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 | 102 | 102 | 102 | 100 |
| 1 | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 105 | 104 | 102 | 102 | 101 | 99 | 98 | 97 | 97 | 97 | 97 | 97 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 91 | 91 | 91 | 90 |
| 3 | 105 | 99 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 88 | 86 | 86 | 86 | 86 | 85 |
| 4 | 100 | 94 | 89 | 85 | 99 | 92 | 88 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 5 | 96 | 89 | 84 | 80 | 94 | 88 | 83 | 79 | 86 | 82 | 79 | 84 | 81 | 78 | 83 | 80 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 78 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 79 | 74 | 71 | 78 | 74 | 70 | 77 | 73 | 70 | 76 | 72 | 70 | 70 | 70 | 70 | 68 |
| 8 | 84 | 76 | 71 | 67 | 83 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 69 | 66 | 73 | 69 | 66 | 66 | 66 | 66 | 65 |
| 9 | 81 | 73 | 67 | 64 | 80 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 70 | 66 | 63 | 63 | 63 | 63 | 62 |
| 10 | 78 | 69 | 64 | 61 | 77 | 69 | 64 | 61 | 68 | 64 | 60 | 67 | 63 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 283069 |
| 5° | 275522 |
| 10° | 262921 |
| 15° | 238026 |
| 20° | 205935 |
| 25° | 168929 |
| 30° | 97028 |
| 35° | 30142 |
| 40° | 8101 |
| 45° | 2822 |
| 50° | 682 |
| 55° | 229 |
| 60° | 132 |
| 65° | 156 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2822 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 117.2 | 14.5 |
| 10°-20° | 290.5 | 35.9 |
| 20°-30° | 305.4 | 37.7 |
| 30°-40° | 87.4 | 10.8 |
| 40°-50° | 8.5 | 1.1 |
| 50°-60° | 0.7 | 0.1 |
| 60°-70° | 0.3 | 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° | 713.1 | 88.0 |
| 0°-40° | 800.5 | 98.8 |
| 0°-60° | 809.7 | 100.0 |
| 0°-90° | 810.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 810.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1291 | |
| 5° | 1252 | 117 |
| 15° | 1048 | 291 |
| 25° | 698 | 305 |
| 35° | 113 | 87 |
| 45° | 9 | 9 |
| 55° | 1 | 1 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1290.9 |
| 1° | 1288.9 |
| 2° | 1283.2 |
| 3° | 1274.9 |
| 4° | 1263.7 |
| 5° | 1251.7 |
| 6° | 1238.9 |
| 7° | 1225.1 |
| 8° | 1212.3 |
| 9° | 1197.4 |
| 10° | 1180.8 |
| 11° | 1161.7 |
| 12° | 1139.7 |
| 13° | 1112.3 |
| 14° | 1082.5 |
| 15° | 1048.5 |
| 16° | 1012.5 |
| 17° | 977.7 |
| 18° | 941.9 |
| 19° | 910.5 |
| 20° | 882.5 |
| 21° | 855.6 |
| 22° | 825.0 |
| 23° | 789.9 |
| 24° | 748.7 |
| 25° | 698.2 |
| 26° | 643.3 |
| 27° | 582.1 |
| 28° | 521.3 |
| 29° | 455.5 |
| 30° | 383.2 |
| 31° | 315.5 |
| 32° | 253.2 |
| 32.5° | 226.1 |
| 33° | 198.6 |
| 34° | 152.3 |
| 35° | 112.6 |
| 36° | 82.6 |
| 37° | 61.4 |
| 37.5° | 53.2 |
| 38° | 46.0 |
| 39° | 35.7 |
| 40° | 28.3 |
| 42.5° | 16.0 |
| 45° | 9.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 47.5° | 5.1 |
| 50° | 2.0 |
| 52.5° | 0.9 |
| 55° | 0.6 |
| 57.5° | 0.6 |
| 60° | 0.3 |
| 62.5° | 0.3 |
| 65° | 0.3 |
| 67.5° | 0.3 |
| 70° | 0.0 |
| 72.5° | 0.0 |
| 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)