

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: P1300289

Luminaire Tested: P3AS17R30W2N902765DE010 E3D1H_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R30W2N902765DE010 E3D1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

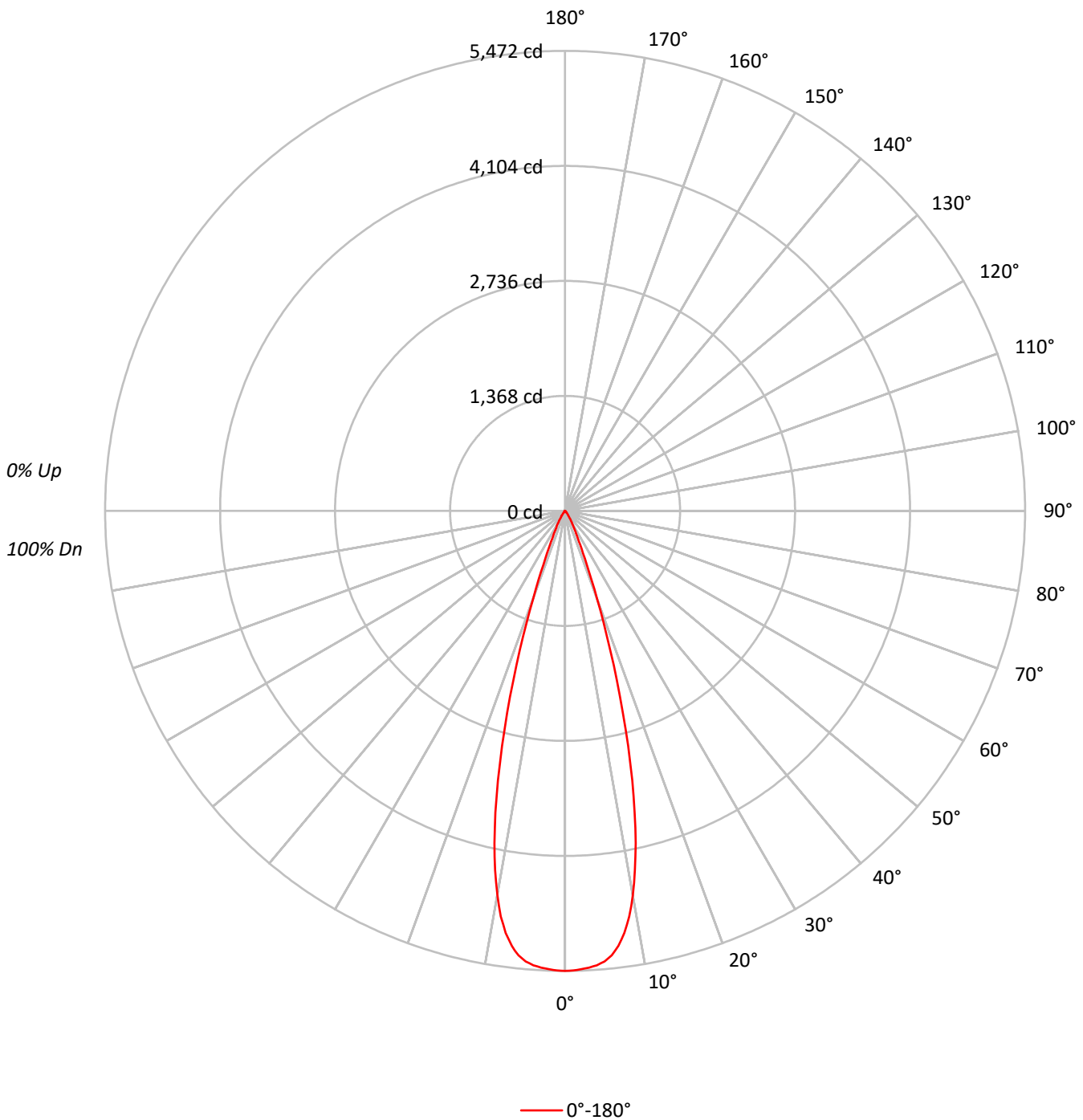
Lumens per Lamp: N/A
Luminaire Lumens: 1508.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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





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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 | 100 | 100 | 100 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 97 | 98 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | 100 | 98 | 97 | 97 | 96 | 95 | 94 | 97 | 96 | 95 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 97 | 95 | 97 | 95 | 93 | 95 | 93 | 92 | 90 | 95 | 93 | 92 |
| 4 | 105 | 99 | 95 | 92 | 103 | 98 | 95 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 89 | 88 | 93 | 91 | 89 |
| 5 | 101 | 96 | 92 | 89 | 100 | 95 | 91 | 88 | 93 | 90 | 87 | 92 | 89 | 87 | 90 | 88 | 86 | 85 | 90 | 88 | 86 |
| 6 | 99 | 92 | 88 | 85 | 97 | 92 | 88 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | 88 | 85 | 83 |
| 7 | 96 | 89 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 80 | 86 | 83 | 81 |
| 8 | 93 | 87 | 83 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 84 | 81 | 79 | 78 | 84 | 81 | 79 |
| 9 | 91 | 84 | 80 | 77 | 90 | 84 | 80 | 77 | 83 | 79 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 | 82 | 79 | 77 |
| 10 | 88 | 82 | 78 | 75 | 88 | 81 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 80 | 77 | 75 | 74 | 80 | 77 | 75 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 1199816 |
| 5° | 1184170 |
| 10° | 1033893 |
| 15° | 657143 |
| 20° | 260353 |
| 25° | 86957 |
| 30° | 40462 |
| 35° | 18337 |
| 40° | 7042 |
| 45° | 3442 |
| 50° | 989 |
| 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: 3442 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 491.8 | 32.6 |
| 10°-20° | 762.7 | 50.6 |
| 20°-30° | 196.7 | 13.0 |
| 30°-40° | 46.2 | 3.1 |
| 40°-50° | 9.0 | 0.6 |
| 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° | 1451.2 | 96.2 |
| 0°-40° | 1497.4 | 99.3 |
| 0°-60° | 1507.5 | 100.0 |
| 0°-90° | 1508.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1508.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 5472 | |
| 5° | 5380 | 492 |
| 15° | 2895 | 763 |
| 25° | 359 | 197 |
| 35° | 68 | 46 |
| 45° | 11 | 9 |
| 55° | 1 | 1 |
| 65° | 1 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 5471.6 |
| 1° | 5467.5 |
| 2° | 5454.6 |
| 3° | 5440.0 |
| 4° | 5418.3 |
| 5° | 5379.7 |
| 6° | 5317.0 |
| 7° | 5212.8 |
| 8° | 5070.6 |
| 9° | 4885.0 |
| 10° | 4643.3 |
| 11° | 4355.8 |
| 12° | 4042.1 |
| 13° | 3680.9 |
| 14° | 3302.7 |
| 15° | 2894.7 |
| 16° | 2494.9 |
| 17° | 2109.7 |
| 18° | 1740.3 |
| 19° | 1401.4 |
| 20° | 1115.7 |
| 21° | 878.1 |
| 22° | 690.8 |
| 23° | 546.7 |
| 24° | 437.9 |
| 25° | 359.4 |
| 26° | 299.7 |
| 27° | 254.6 |
| 28° | 220.1 |
| 29° | 188.5 |
| 30° | 159.8 |
| 32.5° | 100.7 |
| 35° | 68.5 |
| 37.5° | 42.7 |
| 40° | 24.6 |
| 42.5° | 16.4 |
| 45° | 11.1 |
| 47.5° | 6.4 |
| 50° | 2.9 |
| 52.5° | 1.2 |
| 55° | 1.2 |
| 57.5° | 0.6 |
| 60° | 0.6 |
| 62.5° | 0.6 |
| 65° | 0.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 67.5° | 0.6 |
| 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)