

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: P1300797

Luminaire Tested: P3AS17R40W2N902750DE010 E3D1WH_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R40W2N902750DE010 E3D1WH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

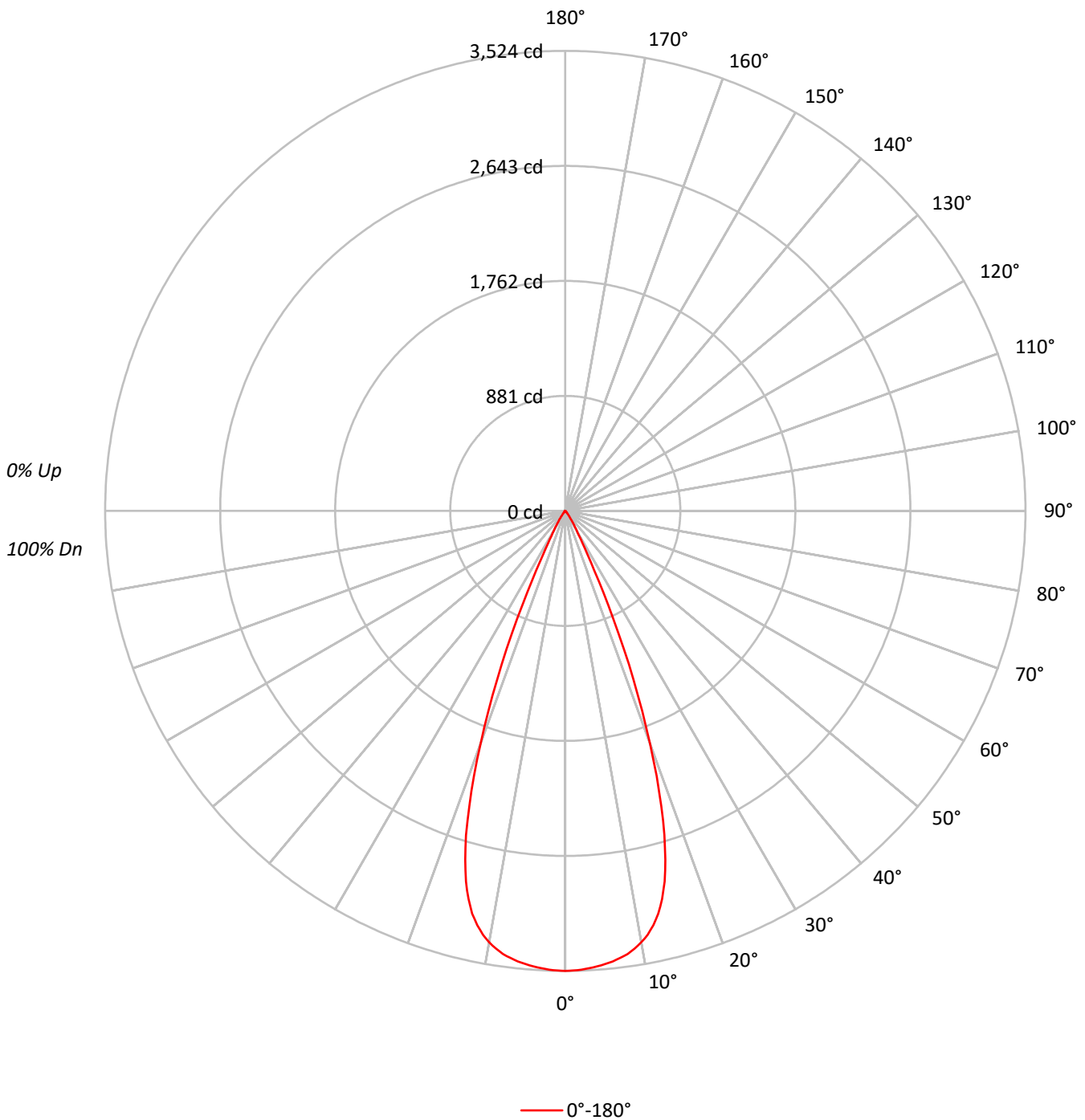
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1516.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
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 |
| 1 | 115 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 98 | 98 | 96 | | | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 96 | 95 | 94 | 92 | | | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 100 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 93 | 91 | 90 | 88 | | | 88 |
| 4 | 103 | 97 | 93 | 90 | 101 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 85 | | | 85 |
| 5 | 99 | 93 | 89 | 85 | 98 | 92 | 88 | 85 | 91 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | | | 82 |
| 6 | 96 | 89 | 85 | 81 | 95 | 89 | 84 | 81 | 87 | 83 | 81 | 86 | 83 | 80 | 85 | 82 | 80 | 79 | | | 79 |
| 7 | 93 | 86 | 81 | 78 | 92 | 85 | 81 | 78 | 84 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 77 | 76 | | | 76 |
| 8 | 90 | 83 | 78 | 75 | 89 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 74 | 79 | 76 | 74 | 73 | | | 73 |
| 9 | 87 | 80 | 75 | 72 | 86 | 79 | 75 | 72 | 78 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 71 | 70 | | | 70 |
| 10 | 84 | 77 | 72 | 70 | 83 | 77 | 72 | 69 | 76 | 72 | 69 | 75 | 72 | 69 | 74 | 71 | 69 | 68 | | | 68 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 772745 |
| 5° | 767156 |
| 10° | 747080 |
| 15° | 667359 |
| 20° | 442508 |
| 25° | 165784 |
| 30° | 44336 |
| 35° | 17320 |
| 40° | 6240 |
| 45° | 2977 |
| 50° | 921 |
| 55° | 421 |
| 60° | 219 |
| 65° | 259 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2977 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 328.9 | 21.7 |
| 10°-20° | 778.9 | 51.4 |
| 20°-30° | 353.2 | 23.3 |
| 30°-40° | 45.8 | 3.0 |
| 40°-50° | 7.9 | 0.5 |
| 50°-60° | 0.9 | 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° | 1461.0 | 96.4 |
| 0°-40° | 1506.8 | 99.4 |
| 0°-60° | 1515.7 | 100.0 |
| 0°-90° | 1516.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1516.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 3524 | |
| 5° | 3485 | 329 |
| 15° | 2940 | 779 |
| 25° | 685 | 353 |
| 35° | 65 | 46 |
| 45° | 10 | 8 |
| 55° | 1 | 1 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 3524.0 |
| 1° | 3521.9 |
| 2° | 3516.5 |
| 3° | 3508.6 |
| 4° | 3498.5 |
| 5° | 3485.2 |
| 6° | 3469.8 |
| 7° | 3450.7 |
| 8° | 3427.4 |
| 9° | 3395.5 |
| 10° | 3355.2 |
| 11° | 3308.0 |
| 12° | 3244.8 |
| 13° | 3166.8 |
| 14° | 3064.9 |
| 15° | 2939.7 |
| 16° | 2779.9 |
| 17° | 2597.9 |
| 18° | 2379.2 |
| 19° | 2148.4 |
| 20° | 1896.3 |
| 21° | 1644.2 |
| 22° | 1395.8 |
| 23° | 1148.5 |
| 24° | 905.4 |
| 25° | 685.2 |
| 26° | 507.4 |
| 27° | 371.5 |
| 28° | 279.2 |
| 29° | 217.1 |
| 30° | 175.1 |
| 31° | 144.9 |
| 32° | 121.0 |
| 32.5° | 110.4 |
| 33° | 99.8 |
| 34° | 81.2 |
| 35° | 64.7 |
| 36° | 50.9 |
| 37° | 40.3 |
| 37.5° | 36.1 |
| 38° | 31.8 |
| 39° | 26.5 |
| 40° | 21.8 |
| 42.5° | 14.3 |
| 45° | 9.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 47.5° | 5.8 |
| 50° | 2.7 |
| 52.5° | 1.1 |
| 55° | 1.1 |
| 57.5° | 0.5 |
| 60° | 0.5 |
| 62.5° | 0.5 |
| 65° | 0.5 |
| 67.5° | 0.0 |
| 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)