

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: P1295673

Luminaire Tested: P3AS13R20W2N902750DE010 E3CB1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R20W2N902750DE010 E3CB1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

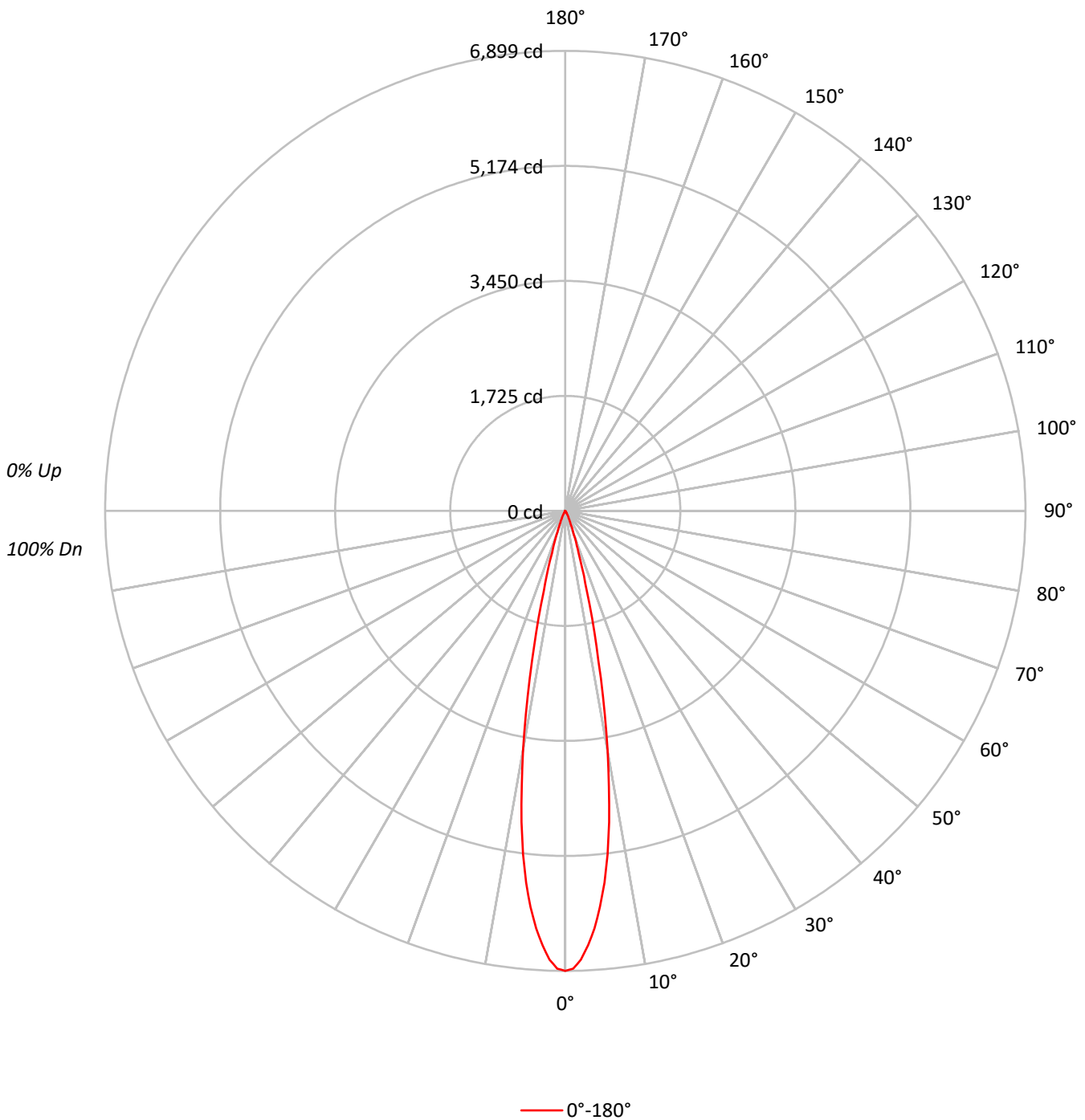
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 974.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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 | 116 | 114 | 112 | 110 | 113 | 112 | 110 | 109 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 99 | 98 | 98 | 98 |
| 2 | 112 | 109 | 107 | 104 | 110 | 108 | 105 | 103 | 104 | 103 | 101 | 102 | 100 | 99 | 99 | 98 | 97 | 99 | 98 | 97 | 95 |
| 3 | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99 | 102 | 99 | 97 | 99 | 98 | 96 | 97 | 96 | 95 | 97 | 96 | 95 | 93 |
| 4 | 107 | 102 | 99 | 96 | 105 | 101 | 98 | 96 | 99 | 97 | 95 | 97 | 95 | 93 | 96 | 94 | 92 | 96 | 94 | 92 | 91 |
| 5 | 104 | 99 | 96 | 93 | 103 | 98 | 95 | 93 | 97 | 94 | 92 | 95 | 93 | 91 | 94 | 92 | 91 | 94 | 92 | 91 | 90 |
| 6 | 102 | 97 | 93 | 91 | 101 | 96 | 93 | 90 | 95 | 92 | 90 | 94 | 91 | 89 | 93 | 90 | 89 | 93 | 90 | 89 | 88 |
| 7 | 100 | 94 | 91 | 88 | 99 | 94 | 91 | 88 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 89 | 87 | 86 |
| 8 | 98 | 92 | 89 | 86 | 97 | 92 | 89 | 86 | 91 | 88 | 86 | 90 | 88 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 85 |
| 9 | 96 | 90 | 87 | 85 | 95 | 90 | 87 | 85 | 89 | 86 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 83 |
| 10 | 94 | 89 | 85 | 83 | 93 | 88 | 85 | 83 | 88 | 85 | 83 | 87 | 84 | 83 | 86 | 84 | 82 | 86 | 84 | 82 | 82 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 1512730 |
| 5° | 1313006 |
| 10° | 811296 |
| 15° | 281795 |
| 20° | 86528 |
| 25° | 30582 |
| 30° | 11318 |
| 35° | 4551 |
| 40° | 2433 |
| 45° | 961 |
| 50° | 512 |
| 55° | 573 |
| 60° | 658 |
| 65° | 415 |
| 70° | 513 |
| 75° | 678 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 961 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 495.0 | 50.8 |
| 10°-20° | 392.8 | 40.3 |
| 20°-30° | 68.0 | 7.0 |
| 30°-40° | 12.4 | 1.3 |
| 40°-50° | 2.8 | 0.3 |
| 50°-60° | 1.3 | 0.1 |
| 60°-70° | 0.9 | 0.1 |
| 70°-80° | 0.7 | 0.1 |
| 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° | 955.8 | 98.1 |
| 0°-40° | 968.2 | 99.4 |
| 0°-60° | 972.4 | 99.8 |
| 0°-90° | 974.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 974.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 6899 | |
| 5° | 5965 | 495 |
| 15° | 1241 | 393 |
| 25° | 126 | 68 |
| 35° | 17 | 12 |
| 45° | 3 | 3 |
| 55° | 2 | 1 |
| 65° | 1 | 1 |
| 75° | 1 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 6898.6 |
| 1° | 6865.5 |
| 2° | 6734.4 |
| 3° | 6523.9 |
| 4° | 6277.2 |
| 5° | 5965.0 |
| 6° | 5607.2 |
| 7° | 5190.9 |
| 8° | 4716.8 |
| 9° | 4184.0 |
| 10° | 3643.6 |
| 12.5° | 2298.3 |
| 15° | 1241.3 |
| 17.5° | 663.0 |
| 20° | 370.8 |
| 22.5° | 212.0 |
| 25° | 126.4 |
| 27.5° | 77.1 |
| 30° | 44.7 |
| 32.5° | 26.2 |
| 35° | 17.0 |
| 37.5° | 11.6 |
| 40° | 8.5 |
| 42.5° | 5.4 |
| 45° | 3.1 |
| 47.5° | 1.5 |
| 50° | 1.5 |
| 52.5° | 1.5 |
| 55° | 1.5 |
| 57.5° | 1.5 |
| 60° | 1.5 |
| 62.5° | 0.8 |
| 65° | 0.8 |
| 67.5° | 0.8 |
| 70° | 0.8 |
| 72.5° | 0.8 |
| 75° | 0.8 |
| 77.5° | 0.8 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)