

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: P1299002

Luminaire Tested: P3AS13R70W2N902765DE010 E3D1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R70W2N902765DE010 E3D1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

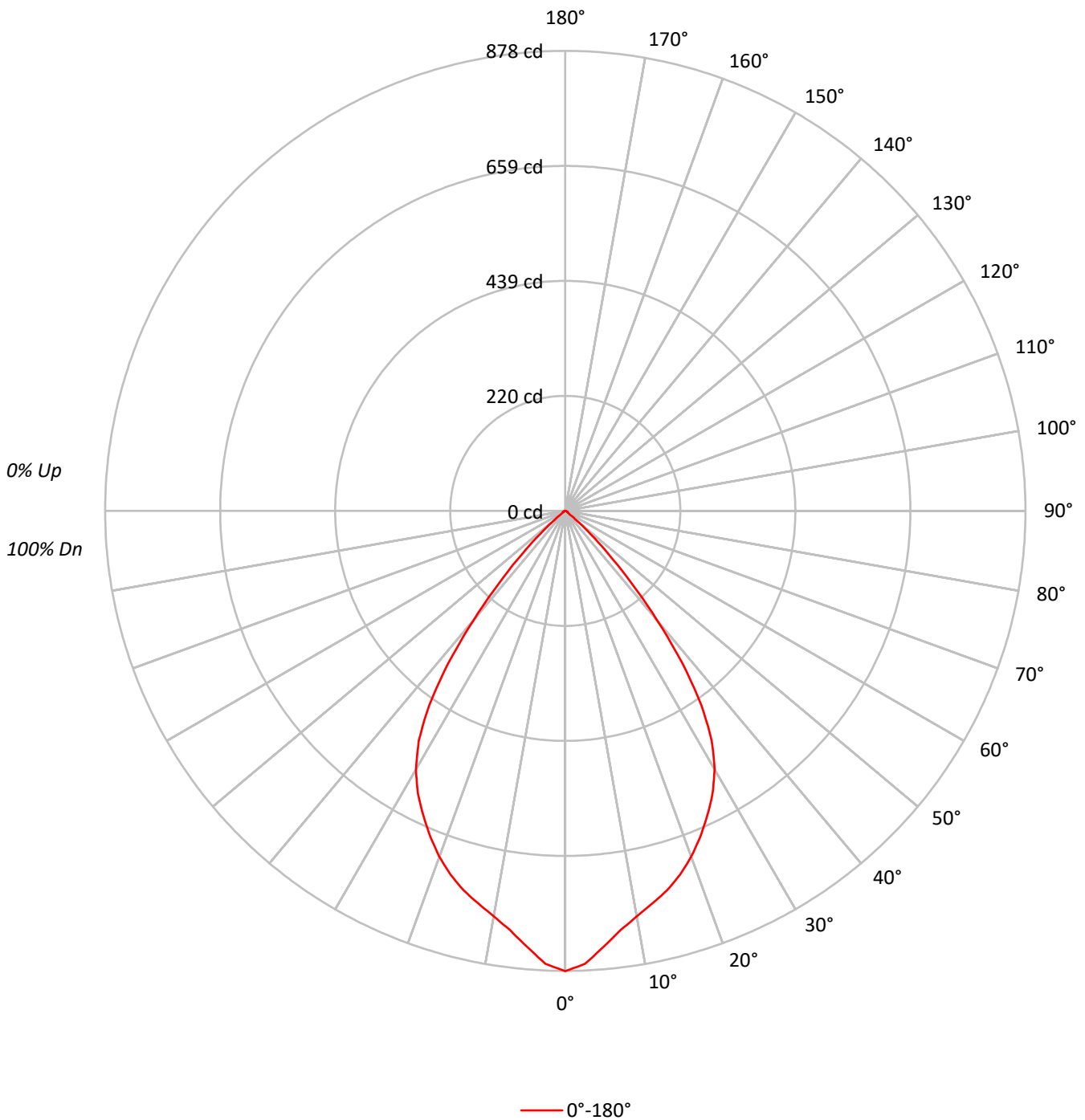
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 970.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
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 | 100 | | | 100 |
| 1 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 94 | 93 | | | 93 |
| 2 | 107 | 102 | 97 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 85 | | | 85 |
| 3 | 101 | 94 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | | | 78 |
| 4 | 95 | 87 | 81 | 77 | 94 | 86 | 81 | 76 | 84 | 79 | 75 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | | | 72 |
| 5 | 90 | 81 | 75 | 70 | 88 | 80 | 74 | 70 | 78 | 73 | 69 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | | | 66 |
| 6 | 85 | 75 | 69 | 64 | 83 | 75 | 69 | 64 | 73 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 61 | | | 61 |
| 7 | 80 | 70 | 64 | 59 | 79 | 70 | 64 | 59 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 58 | 57 | | | 57 |
| 8 | 76 | 66 | 59 | 55 | 75 | 65 | 59 | 55 | 64 | 58 | 55 | 63 | 58 | 54 | 62 | 57 | 54 | 53 | | | 53 |
| 9 | 72 | 62 | 55 | 51 | 71 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 58 | 54 | 50 | 49 | | | 49 |
| 10 | 68 | 58 | 52 | 47 | 67 | 57 | 51 | 47 | 56 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 47 | 46 | | | 46 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 192616 |
| 5° | 183799 |
| 10° | 174880 |
| 15° | 170194 |
| 20° | 163908 |
| 25° | 155138 |
| 30° | 144275 |
| 35° | 121211 |
| 40° | 78118 |
| 45° | 36314 |
| 50° | 9518 |
| 55° | 2370 |
| 60° | 2368 |
| 65° | 2024 |
| 70° | 1988 |
| 75° | 1949 |
| 80° | 2020 |
| 85° | 2013 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36314 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.2 | 8.1 |
| 10°-20° | 210.7 | 21.7 |
| 20°-30° | 294.3 | 30.3 |
| 30°-40° | 272.9 | 28.1 |
| 40°-50° | 97.8 | 10.1 |
| 50°-60° | 8.3 | 0.9 |
| 60°-70° | 4.1 | 0.4 |
| 70°-80° | 2.7 | 0.3 |
| 80°-90° | 1.1 | 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° | 583.1 | 60.1 |
| 0°-40° | 856.0 | 88.2 |
| 0°-60° | 962.2 | 99.2 |
| 0°-90° | 970.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 970.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 878 | |
| 5° | 835 | 78 |
| 15° | 750 | 211 |
| 25° | 641 | 294 |
| 35° | 453 | 273 |
| 45° | 117 | 98 |
| 55° | 6 | 8 |
| 65° | 4 | 4 |
| 75° | 2 | 3 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 878.4 |
| 2.5° | 865.2 |
| 5° | 835.0 |
| 7.5° | 807.1 |
| 10° | 785.4 |
| 12.5° | 767.5 |
| 15° | 749.7 |
| 17.5° | 728.0 |
| 20° | 702.4 |
| 22.5° | 672.9 |
| 25° | 641.2 |
| 27.5° | 608.6 |
| 30° | 569.8 |
| 32.5° | 520.2 |
| 35° | 452.8 |
| 37.5° | 366.7 |
| 40° | 272.9 |
| 42.5° | 186.1 |
| 45° | 117.1 |
| 47.5° | 65.1 |
| 50° | 27.9 |
| 52.5° | 9.3 |
| 55° | 6.2 |
| 57.5° | 5.4 |
| 60° | 5.4 |
| 62.5° | 4.7 |
| 65° | 3.9 |
| 67.5° | 3.9 |
| 70° | 3.1 |
| 72.5° | 3.1 |
| 75° | 2.3 |
| 77.5° | 2.3 |
| 80° | 1.6 |
| 82.5° | 1.6 |
| 85° | 0.8 |
| 87.5° | 0.8 |
| 90° | 0.0 |

(END OF REPORT)