

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: P1299051

Luminaire Tested: P3AS13R70W2N902765DE010 E3DL1WMH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R70W2N902765DE010 E3DL1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

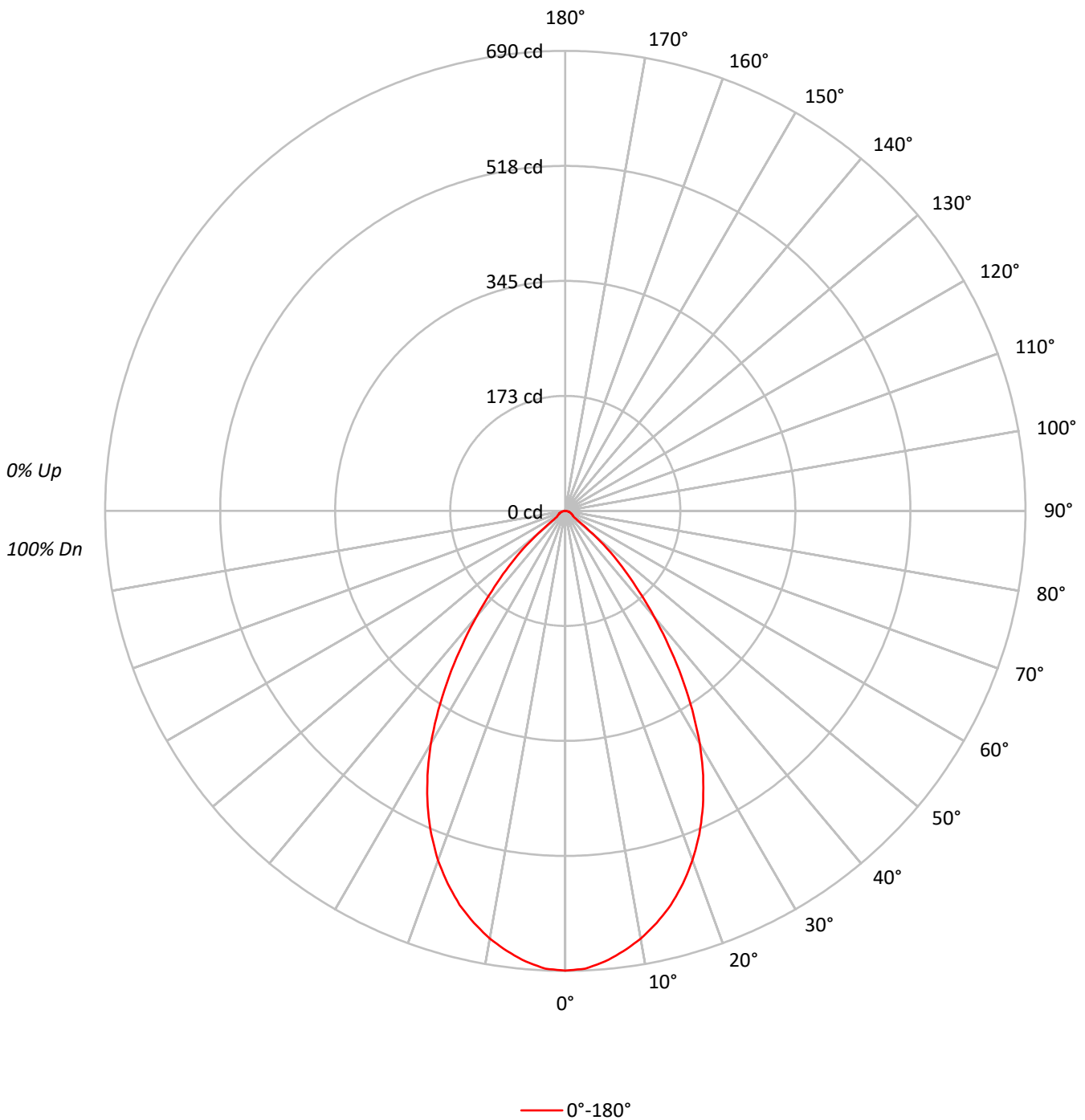
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 781.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
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 | 100 | 100 |
| 1 | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 100 | 100 | 98 | 97 | 96 | 95 | 94 | 92 | 92 | 92 | 92 |
| 2 | 106 | 101 | 96 | 93 | 104 | 99 | 95 | 92 | 96 | 92 | 90 | 93 | 90 | 88 | 90 | 88 | 86 | 84 | 84 | 84 | 84 |
| 3 | 100 | 93 | 88 | 83 | 98 | 92 | 87 | 82 | 89 | 85 | 81 | 86 | 83 | 80 | 84 | 81 | 79 | 77 | 77 | 77 | 77 |
| 4 | 94 | 86 | 80 | 75 | 93 | 85 | 79 | 75 | 83 | 78 | 74 | 81 | 76 | 73 | 79 | 75 | 72 | 70 | 70 | 70 | 70 |
| 5 | 89 | 80 | 73 | 69 | 87 | 79 | 73 | 68 | 77 | 72 | 68 | 75 | 71 | 67 | 74 | 70 | 66 | 65 | 65 | 65 | 65 |
| 6 | 84 | 74 | 68 | 63 | 82 | 73 | 67 | 63 | 72 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 61 | 60 | 60 | 60 | 60 |
| 7 | 79 | 69 | 62 | 58 | 78 | 68 | 62 | 58 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 55 | 55 | 55 | 55 |
| 8 | 75 | 65 | 58 | 53 | 74 | 64 | 58 | 53 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 51 | 51 | 51 | 51 |
| 9 | 71 | 60 | 54 | 50 | 70 | 60 | 54 | 50 | 59 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 48 | 48 | 48 | 48 |
| 10 | 67 | 57 | 50 | 46 | 66 | 56 | 50 | 46 | 55 | 50 | 46 | 55 | 49 | 46 | 54 | 49 | 46 | 44 | 44 | 44 | 44 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 151194 |
| 5° | 149372 |
| 10° | 145065 |
| 15° | 138911 |
| 20° | 130141 |
| 25° | 118217 |
| 30° | 102117 |
| 35° | 81378 |
| 40° | 59282 |
| 45° | 38950 |
| 50° | 18251 |
| 55° | 5620 |
| 60° | 5438 |
| 65° | 5241 |
| 70° | 5001 |
| 75° | 5253 |
| 80° | 4925 |
| 85° | 4026 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38950 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.9 | 8.2 |
| 10°-20° | 171.3 | 21.9 |
| 20°-30° | 222.6 | 28.5 |
| 30°-40° | 188.9 | 24.2 |
| 40°-50° | 97.4 | 12.5 |
| 50°-60° | 18.8 | 2.4 |
| 60°-70° | 10.2 | 1.3 |
| 70°-80° | 6.3 | 0.8 |
| 80°-90° | 1.8 | 0.2 |
| 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° | 457.8 | 58.6 |
| 0°-40° | 646.6 | 82.8 |
| 0°-60° | 762.8 | 97.7 |
| 0°-90° | 781.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 781.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 690 | |
| 5° | 679 | 64 |
| 15° | 612 | 171 |
| 25° | 489 | 223 |
| 35° | 304 | 189 |
| 45° | 126 | 97 |
| 55° | 15 | 19 |
| 65° | 10 | 10 |
| 75° | 6 | 6 |
| 85° | 2 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 689.5 |
| 2.5° | 687.2 |
| 5° | 678.6 |
| 7.5° | 666.2 |
| 10° | 651.5 |
| 12.5° | 632.9 |
| 15° | 611.9 |
| 17.5° | 586.3 |
| 20° | 557.7 |
| 22.5° | 525.1 |
| 25° | 488.6 |
| 27.5° | 447.5 |
| 30° | 403.3 |
| 32.5° | 354.4 |
| 35° | 304.0 |
| 37.5° | 254.4 |
| 40° | 207.1 |
| 42.5° | 162.9 |
| 45° | 125.6 |
| 47.5° | 92.3 |
| 50° | 53.5 |
| 52.5° | 23.3 |
| 55° | 14.7 |
| 57.5° | 14.0 |
| 60° | 12.4 |
| 62.5° | 11.6 |
| 65° | 10.1 |
| 67.5° | 9.3 |
| 70° | 7.8 |
| 72.5° | 7.0 |
| 75° | 6.2 |
| 77.5° | 4.7 |
| 80° | 3.9 |
| 82.5° | 2.3 |
| 85° | 1.6 |
| 87.5° | 0.8 |
| 90° | 0.0 |

(END OF REPORT)