

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: P1295220

Luminaire Tested: P3AS09R70W2N902765DE010 E3D1WMH_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R70W2N902765DE010 E3D1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

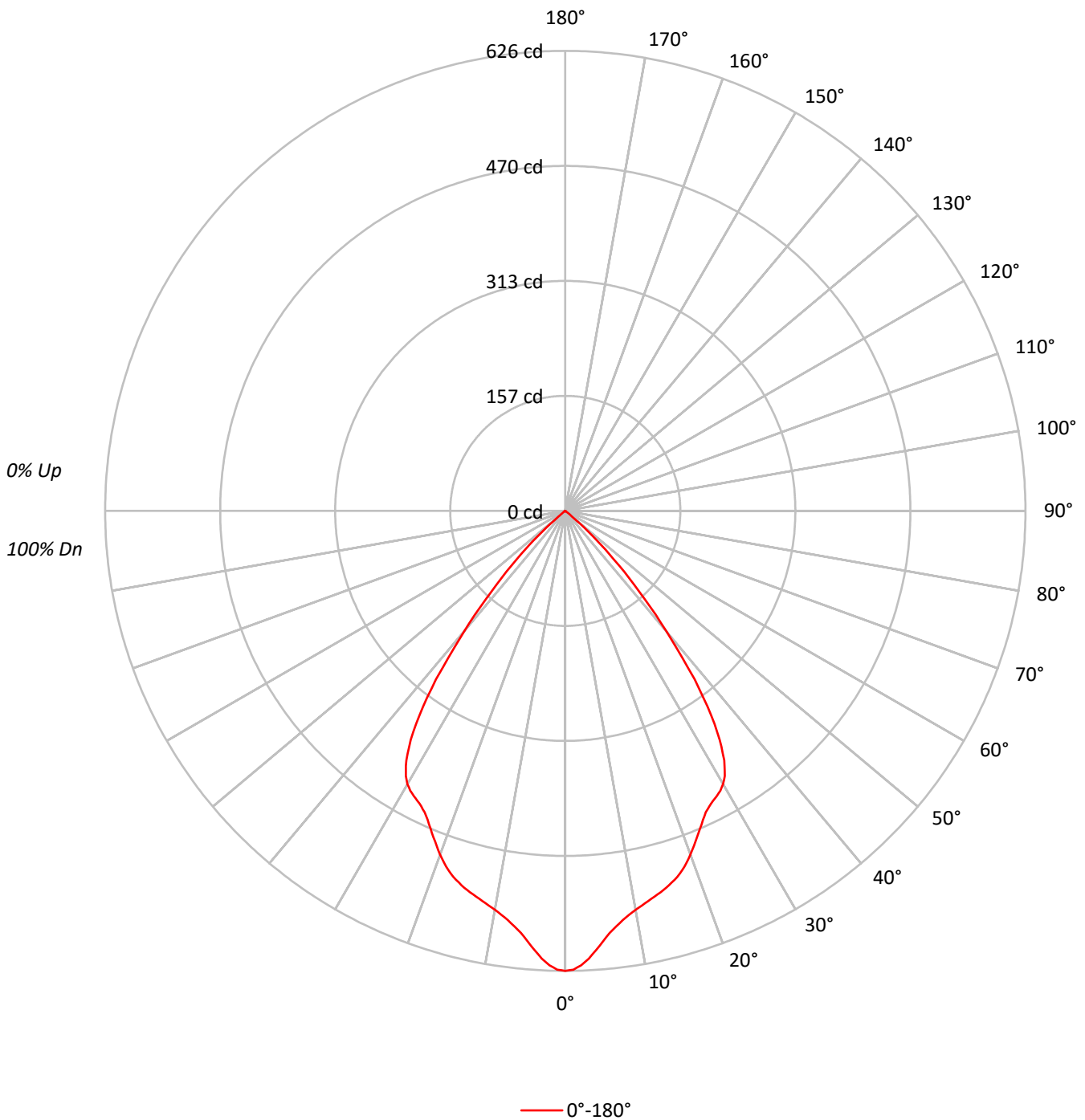
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 706.1 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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





TEST NUMBER: P1295220

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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 | | | |
| 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 93 | | | |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 85 | | | |
| 3 | 101 | 94 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 84 | 81 | 86 | 83 | 80 | 79 | | | |
| 4 | 95 | 87 | 81 | 77 | 94 | 86 | 81 | 77 | 84 | 79 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | | | |
| 5 | 90 | 81 | 75 | 70 | 88 | 80 | 74 | 70 | 78 | 73 | 69 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | | | |
| 6 | 85 | 75 | 69 | 64 | 83 | 75 | 69 | 64 | 73 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 61 | | | |
| 7 | 80 | 70 | 64 | 59 | 79 | 70 | 63 | 59 | 68 | 63 | 59 | 67 | 62 | 58 | 66 | 61 | 58 | 57 | | | |
| 8 | 76 | 66 | 59 | 55 | 75 | 65 | 59 | 55 | 64 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 52 | | | |
| 9 | 72 | 61 | 55 | 51 | 71 | 61 | 55 | 51 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 49 | | | |
| 10 | 68 | 58 | 51 | 47 | 67 | 57 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 47 | 55 | 50 | 47 | 45 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 137270 |
| 5° | 129430 |
| 10° | 122732 |
| 15° | 120523 |
| 20° | 116187 |
| 25° | 109506 |
| 30° | 108726 |
| 35° | 94710 |
| 40° | 61258 |
| 45° | 28964 |
| 50° | 4060 |
| 55° | 344 |
| 60° | 263 |
| 65° | 311 |
| 70° | 192 |
| 75° | 254 |
| 80° | 379 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28964 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 54.9 | 7.8 |
| 10°-20° | 149.1 | 21.1 |
| 20°-30° | 210.9 | 29.9 |
| 30°-40° | 212.0 | 30.0 |
| 40°-50° | 76.3 | 10.8 |
| 50°-60° | 2.1 | 0.3 |
| 60°-70° | 0.5 | 0.1 |
| 70°-80° | 0.3 | 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° | 414.9 | 58.8 |
| 0°-40° | 626.9 | 88.8 |
| 0°-60° | 705.2 | 99.9 |
| 0°-90° | 706.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 706.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 626 | |
| 5° | 588 | 55 |
| 15° | 531 | 149 |
| 25° | 453 | 211 |
| 35° | 354 | 212 |
| 45° | 93 | 76 |
| 55° | 1 | 2 |
| 65° | 1 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 626.0 |
| 1° | 624.3 |
| 2° | 618.8 |
| 3° | 610.1 |
| 4° | 599.1 |
| 5° | 588.0 |
| 6° | 577.6 |
| 7° | 569.5 |
| 8° | 562.2 |
| 9° | 556.4 |
| 10° | 551.2 |
| 11° | 546.9 |
| 12° | 542.8 |
| 13° | 538.8 |
| 14° | 535.0 |
| 15° | 530.9 |
| 16° | 526.0 |
| 17° | 520.8 |
| 18° | 514.4 |
| 19° | 506.6 |
| 20° | 497.9 |
| 21° | 488.3 |
| 22° | 478.7 |
| 23° | 469.5 |
| 24° | 460.5 |
| 25° | 452.6 |
| 26° | 447.1 |
| 27° | 442.8 |
| 28° | 439.3 |
| 29° | 435.2 |
| 30° | 429.4 |
| 31° | 421.0 |
| 32° | 409.1 |
| 32.5° | 402.5 |
| 33° | 393.5 |
| 34° | 375.8 |
| 35° | 353.8 |
| 36° | 329.4 |
| 37° | 301.9 |
| 37.5° | 289.1 |
| 38° | 271.7 |
| 39° | 240.7 |
| 40° | 214.0 |
| 42.5° | 148.2 |
| 45° | 93.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|------|
| 47.5° | 50.2 |
| 50° | 11.9 |
| 52.5° | 1.4 |
| 55° | 0.9 |
| 57.5° | 0.9 |
| 60° | 0.6 |
| 62.5° | 0.6 |
| 65° | 0.6 |
| 67.5° | 0.3 |
| 70° | 0.3 |
| 72.5° | 0.3 |
| 75° | 0.3 |
| 77.5° | 0.3 |
| 80° | 0.3 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)