

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: P1302811

Luminaire Tested: P3AS17R70W2N902765DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1302811
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: P3AS17R70W2N902765DE010 E3D1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

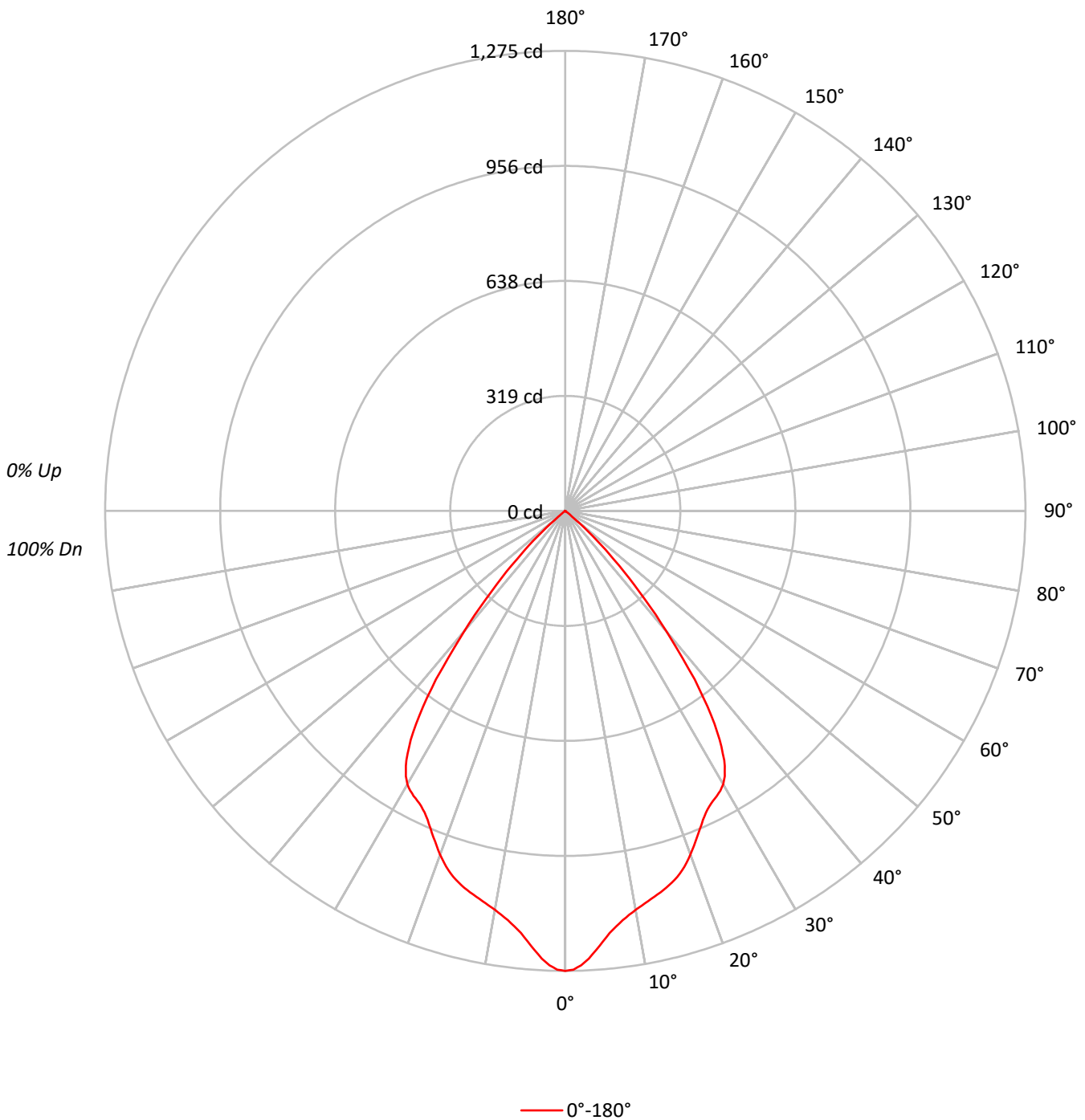
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1438.1 lumens
Efficiency: N/A
Efficacy: 74.1 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): 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 | 100 | 100 |
| 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 93 | 93 | 93 | 93 |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 85 | 85 | 85 | 85 |
| 3 | 101 | 94 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 84 | 81 | 86 | 83 | 80 | 79 | 79 | 79 | 79 |
| 4 | 95 | 87 | 81 | 77 | 94 | 86 | 81 | 77 | 84 | 79 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | 72 | 72 | 72 |
| 5 | 90 | 81 | 75 | 70 | 88 | 80 | 74 | 70 | 78 | 73 | 69 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | 66 | 66 | 66 |
| 6 | 85 | 75 | 69 | 64 | 83 | 75 | 69 | 64 | 73 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 61 | 61 | 61 | 61 |
| 7 | 80 | 70 | 64 | 59 | 79 | 70 | 63 | 59 | 68 | 63 | 59 | 67 | 62 | 58 | 66 | 61 | 58 | 57 | 57 | 57 | 57 |
| 8 | 76 | 66 | 59 | 55 | 75 | 65 | 59 | 55 | 64 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 52 | 52 | 52 | 52 |
| 9 | 72 | 61 | 55 | 51 | 71 | 61 | 55 | 51 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 49 | 49 | 49 | 49 |
| 10 | 68 | 58 | 51 | 47 | 67 | 57 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 47 | 55 | 50 | 47 | 45 | 45 | 45 | 45 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 279605 |
| 5° | 263658 |
| 10° | 249984 |
| 15° | 245495 |
| 20° | 236644 |
| 25° | 223053 |
| 30° | 221477 |
| 35° | 192872 |
| 40° | 124777 |
| 45° | 58983 |
| 50° | 8256 |
| 55° | 688 |
| 60° | 526 |
| 65° | 623 |
| 70° | 385 |
| 75° | 508 |
| 80° | 758 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 58983 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 111.8 | 7.8 |
| 10°-20° | 303.7 | 21.1 |
| 20°-30° | 429.6 | 29.9 |
| 30°-40° | 431.7 | 30.0 |
| 40°-50° | 155.3 | 10.8 |
| 50°-60° | 4.2 | 0.3 |
| 60°-70° | 1.0 | 0.1 |
| 70°-80° | 0.6 | 0.0 |
| 80°-90° | 0.1 | 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° | 845.2 | 58.8 |
| 0°-40° | 1276.9 | 88.8 |
| 0°-60° | 1436.4 | 99.9 |
| 0°-90° | 1438.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1438.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1275 | |
| 5° | 1198 | 112 |
| 15° | 1081 | 304 |
| 25° | 922 | 430 |
| 35° | 720 | 432 |
| 45° | 190 | 155 |
| 55° | 2 | 4 |
| 65° | 1 | 1 |
| 75° | 1 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1275.1 |
| 1° | 1271.6 |
| 2° | 1260.4 |
| 3° | 1242.6 |
| 4° | 1220.2 |
| 5° | 1197.8 |
| 6° | 1176.5 |
| 7° | 1160.0 |
| 8° | 1145.2 |
| 9° | 1133.4 |
| 10° | 1122.7 |
| 11° | 1113.9 |
| 12° | 1105.6 |
| 13° | 1097.3 |
| 14° | 1089.7 |
| 15° | 1081.4 |
| 16° | 1071.4 |
| 17° | 1060.7 |
| 18° | 1047.7 |
| 19° | 1031.8 |
| 20° | 1014.1 |
| 21° | 994.6 |
| 22° | 975.1 |
| 23° | 956.2 |
| 24° | 937.9 |
| 25° | 921.9 |
| 26° | 910.7 |
| 27° | 901.9 |
| 28° | 894.8 |
| 29° | 886.5 |
| 30° | 874.7 |
| 31° | 857.6 |
| 32° | 833.3 |
| 32.5° | 819.8 |
| 33° | 801.5 |
| 34° | 765.4 |
| 35° | 720.5 |
| 36° | 670.9 |
| 37° | 614.8 |
| 37.5° | 588.8 |
| 38° | 553.4 |
| 39° | 490.2 |
| 40° | 435.9 |
| 42.5° | 301.8 |
| 45° | 190.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-------|
| 47.5° | 102.2 |
| 50° | 24.2 |
| 52.5° | 3.0 |
| 55° | 1.8 |
| 57.5° | 1.8 |
| 60° | 1.2 |
| 62.5° | 1.2 |
| 65° | 1.2 |
| 67.5° | 0.6 |
| 70° | 0.6 |
| 72.5° | 0.6 |
| 75° | 0.6 |
| 77.5° | 0.6 |
| 80° | 0.6 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)