

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: P1301870

Luminaire Tested: P3AS17R55W2N902765DE010 E3D1WMH_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R55W2N902765DE010 E3D1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

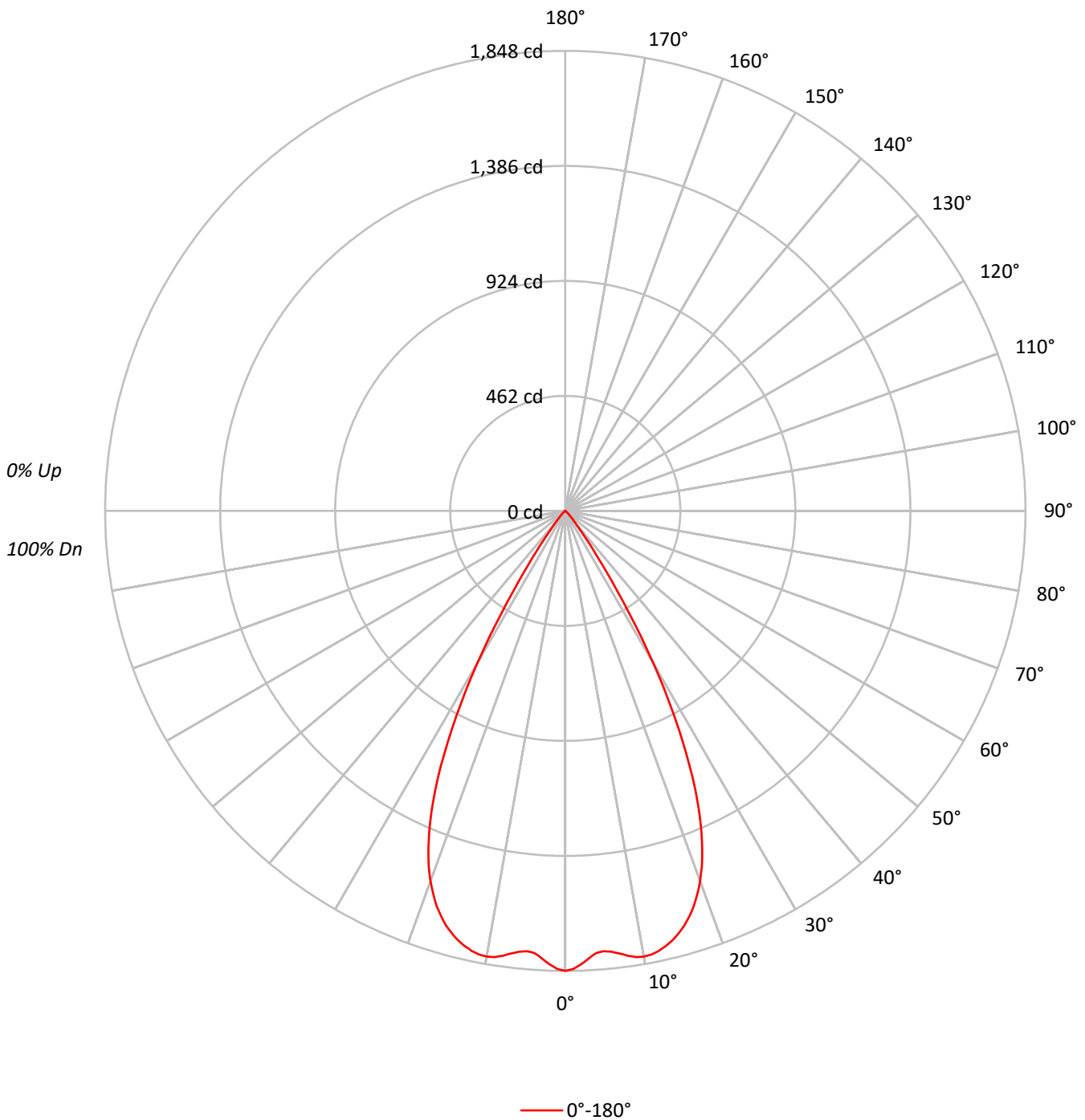
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1397.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 95 | | |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | | |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 90 | 95 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 84 | | |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 79 | | |
| 5 | 95 | 88 | 83 | 79 | 94 | 87 | 82 | 78 | 85 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 75 | | |
| 6 | 91 | 83 | 78 | 74 | 90 | 82 | 77 | 74 | 81 | 76 | 73 | 80 | 76 | 73 | 78 | 75 | 72 | 71 | | |
| 7 | 87 | 79 | 73 | 70 | 86 | 78 | 73 | 69 | 77 | 72 | 69 | 76 | 72 | 69 | 75 | 71 | 68 | 67 | | |
| 8 | 83 | 75 | 69 | 66 | 82 | 74 | 69 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 71 | 68 | 65 | 63 | | |
| 9 | 80 | 71 | 66 | 62 | 79 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 64 | 61 | 60 | | |
| 10 | 77 | 68 | 62 | 59 | 76 | 67 | 62 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 65 | 61 | 58 | 57 | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 405121 |
| 5° | 390776 |
| 10° | 404735 |
| 15° | 399049 |
| 20° | 369305 |
| 25° | 298687 |
| 30° | 178990 |
| 35° | 60659 |
| 40° | 16717 |
| 45° | 7412 |
| 50° | 2183 |
| 55° | 421 |
| 60° | 219 |
| 65° | 259 |
| 70° | 321 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7412 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 171.8 | 12.3 |
| 10°-20° | 489.4 | 35.0 |
| 20°-30° | 544.0 | 38.9 |
| 30°-40° | 169.3 | 12.1 |
| 40°-50° | 20.3 | 1.5 |
| 50°-60° | 1.6 | 0.1 |
| 60°-70° | 0.5 | 0.0 |
| 70°-80° | 0.1 | 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° | 1205.2 | 86.3 |
| 0°-40° | 1374.5 | 98.4 |
| 0°-60° | 1396.4 | 100.0 |
| 0°-90° | 1397.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1397.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1848 | |
| 5° | 1775 | 172 |
| 15° | 1758 | 489 |
| 25° | 1234 | 544 |
| 35° | 227 | 169 |
| 45° | 24 | 20 |
| 55° | 1 | 2 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1847.5 |
| 1° | 1840.6 |
| 2° | 1822.5 |
| 3° | 1800.2 |
| 4° | 1780.1 |
| 5° | 1775.3 |
| 6° | 1780.6 |
| 7° | 1791.7 |
| 8° | 1804.5 |
| 9° | 1814.6 |
| 10° | 1817.7 |
| 11° | 1815.6 |
| 12° | 1807.1 |
| 13° | 1793.9 |
| 14° | 1778.5 |
| 15° | 1757.8 |
| 16° | 1733.9 |
| 17° | 1703.6 |
| 18° | 1669.7 |
| 19° | 1628.8 |
| 20° | 1582.6 |
| 21° | 1530.1 |
| 22° | 1468.0 |
| 23° | 1399.5 |
| 24° | 1321.0 |
| 25° | 1234.5 |
| 26° | 1139.5 |
| 27° | 1038.6 |
| 28° | 930.9 |
| 29° | 820.0 |
| 30° | 706.9 |
| 31° | 593.4 |
| 32° | 482.4 |
| 32.5° | 433.1 |
| 33° | 382.1 |
| 34° | 295.6 |
| 35° | 226.6 |
| 36° | 172.5 |
| 37° | 127.9 |
| 37.5° | 109.3 |
| 38° | 95.0 |
| 39° | 72.2 |
| 40° | 58.4 |
| 42.5° | 37.2 |
| 45° | 23.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|------|
| 47.5° | 14.3 |
| 50° | 6.4 |
| 52.5° | 2.1 |
| 55° | 1.1 |
| 57.5° | 0.5 |
| 60° | 0.5 |
| 62.5° | 0.5 |
| 65° | 0.5 |
| 67.5° | 0.5 |
| 70° | 0.5 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)