

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: P1255152

Luminaire Tested: P3AS17R509035DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R509035DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

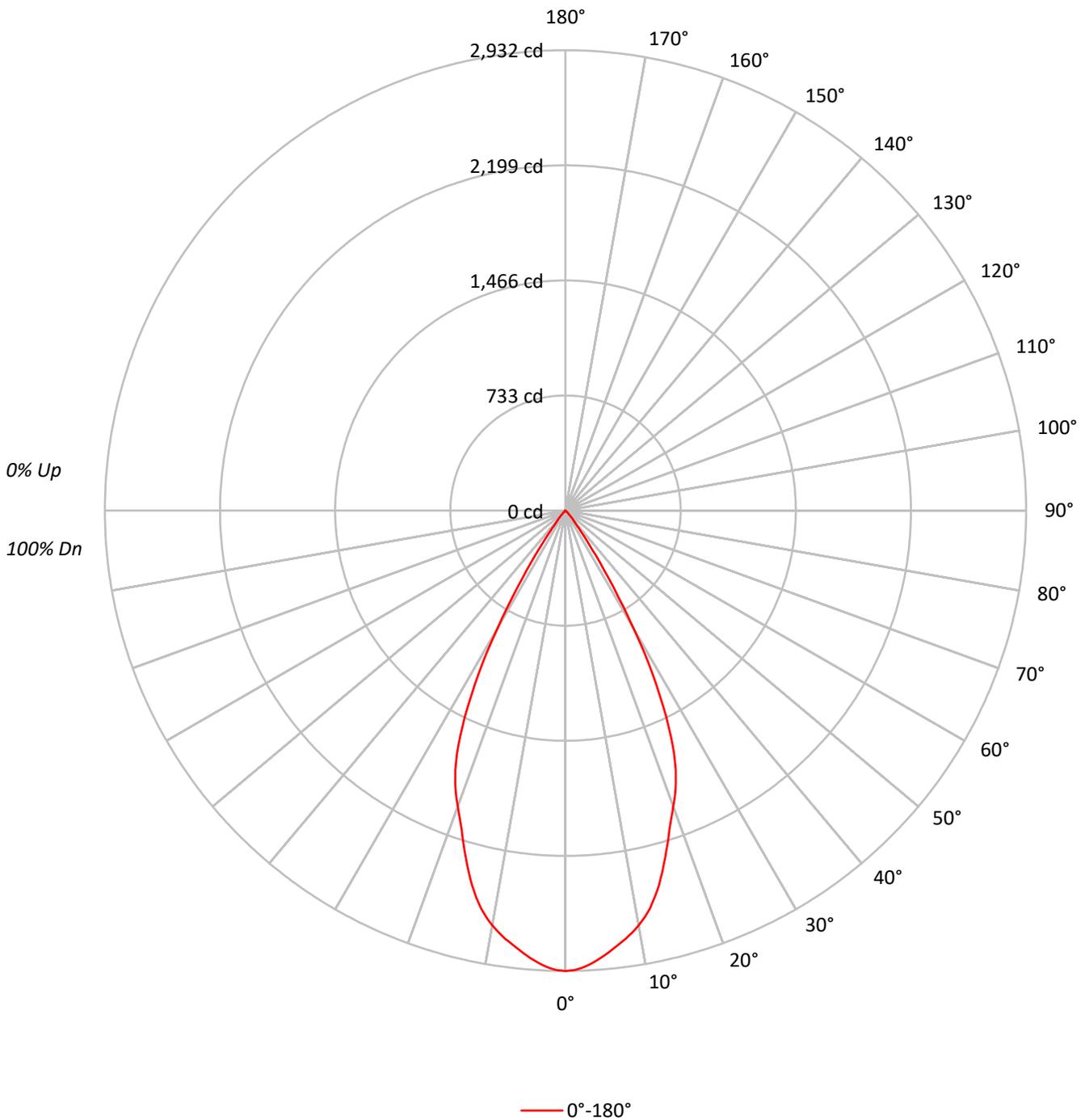
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1839.9 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1255152
CATALOG NUMBER: P3AS17R509035DE010 E3D1H

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 | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 105 | 104 | 102 | 102 | 101 | 99 | 98 | 97 | 97 | 95 | 95 | 95 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 90 | 90 | 90 | 90 |
| 3 | 105 | 99 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 88 | 86 | 85 | 85 | 85 | 85 |
| 4 | 100 | 94 | 89 | 85 | 99 | 92 | 88 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 87 | 84 | 82 | 80 | 80 | 80 | 80 |
| 5 | 96 | 89 | 84 | 80 | 94 | 88 | 83 | 79 | 86 | 82 | 79 | 84 | 81 | 78 | 83 | 80 | 77 | 76 | 76 | 76 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 78 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 79 | 74 | 71 | 78 | 74 | 70 | 77 | 73 | 70 | 76 | 72 | 70 | 68 | 68 | 68 | 68 |
| 8 | 84 | 76 | 71 | 67 | 83 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 69 | 66 | 73 | 69 | 66 | 65 | 65 | 65 | 65 |
| 9 | 81 | 73 | 67 | 64 | 80 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 70 | 66 | 63 | 62 | 62 | 62 | 62 |
| 10 | 78 | 69 | 64 | 61 | 77 | 69 | 64 | 61 | 68 | 64 | 60 | 67 | 63 | 60 | 67 | 63 | 60 | 59 | 59 | 59 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 642997 |
| 5° | 625884 |
| 10° | 597272 |
| 15° | 540707 |
| 20° | 467804 |
| 25° | 383708 |
| 30° | 220439 |
| 35° | 68476 |
| 40° | 18406 |
| 45° | 6450 |
| 50° | 1535 |
| 55° | 497 |
| 60° | 263 |
| 65° | 311 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6450 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 266.3 | 14.5 |
| 10°-20° | 660.0 | 35.9 |
| 20°-30° | 693.7 | 37.7 |
| 30°-40° | 198.5 | 10.8 |
| 40°-50° | 19.4 | 1.1 |
| 50°-60° | 1.6 | 0.1 |
| 60°-70° | 0.5 | 0.0 |
| 70°-80° | 0.0 | 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° | 1619.9 | 88.0 |
| 0°-40° | 1818.5 | 98.8 |
| 0°-60° | 1839.4 | 100.0 |
| 0°-90° | 1839.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1839.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2932 | |
| 5° | 2843 | 266 |
| 15° | 2382 | 660 |
| 25° | 1586 | 694 |
| 35° | 256 | 199 |
| 45° | 21 | 19 |
| 55° | 1 | 2 |
| 65° | 1 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 2932.3 |
| 1° | 2927.8 |
| 2° | 2914.8 |
| 3° | 2896.0 |
| 4° | 2870.7 |
| 5° | 2843.4 |
| 6° | 2814.2 |
| 7° | 2783.0 |
| 8° | 2753.8 |
| 9° | 2720.1 |
| 10° | 2682.4 |
| 11° | 2638.9 |
| 12° | 2588.9 |
| 13° | 2526.6 |
| 14° | 2459.1 |
| 15° | 2381.8 |
| 16° | 2300.0 |
| 17° | 2220.8 |
| 18° | 2139.7 |
| 19° | 2068.3 |
| 20° | 2004.7 |
| 21° | 1943.6 |
| 22° | 1874.2 |
| 23° | 1794.3 |
| 24° | 1700.9 |
| 25° | 1585.9 |
| 26° | 1461.3 |
| 27° | 1322.4 |
| 28° | 1184.1 |
| 29° | 1034.8 |
| 30° | 870.6 |
| 31° | 716.7 |
| 32° | 575.2 |
| 32.5° | 513.5 |
| 33° | 451.2 |
| 34° | 346.0 |
| 35° | 255.8 |
| 36° | 187.6 |
| 37° | 139.6 |
| 37.5° | 120.7 |
| 38° | 104.5 |
| 39° | 81.1 |
| 40° | 64.3 |
| 42.5° | 36.4 |
| 45° | 20.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|------|
| 47.5° | 11.7 |
| 50° | 4.5 |
| 52.5° | 1.9 |
| 55° | 1.3 |
| 57.5° | 1.3 |
| 60° | 0.6 |
| 62.5° | 0.6 |
| 65° | 0.6 |
| 67.5° | 0.6 |
| 70° | 0.0 |
| 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)