

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: P1257946

Luminaire Tested: P3AS17R659040DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R659040DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

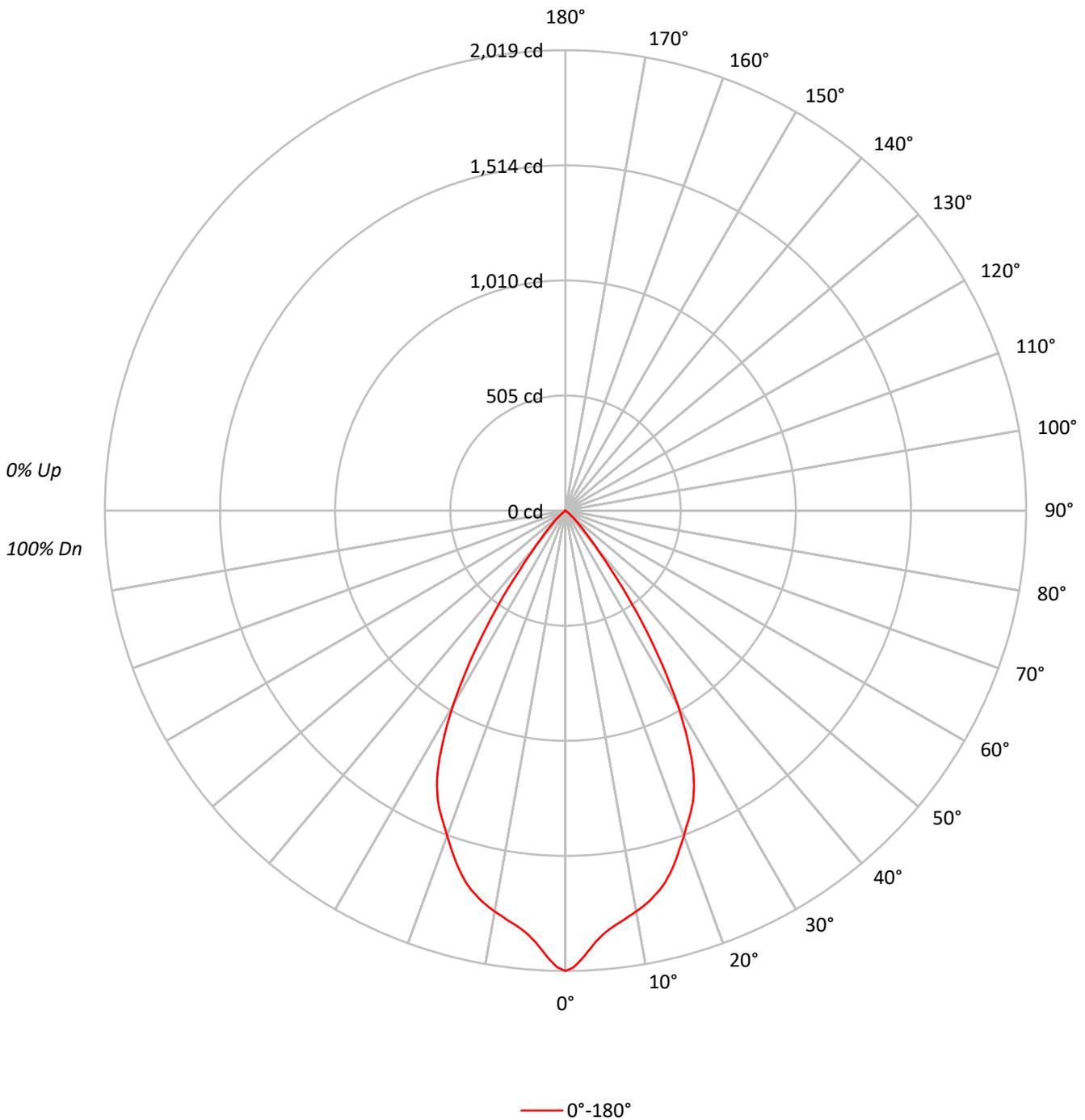
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1652.1 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
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

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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 | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | 94 | 94 | 94 |
| 2 | 108 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 88 | 88 | 88 | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 88 | 93 | 89 | 86 | 90 | 87 | 85 | 88 | 86 | 83 | 82 | 82 | 82 | 82 |
| 4 | 98 | 91 | 85 | 81 | 96 | 90 | 85 | 81 | 87 | 83 | 80 | 85 | 82 | 79 | 84 | 81 | 78 | 77 | 77 | 77 | 77 |
| 5 | 93 | 85 | 79 | 75 | 92 | 84 | 79 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 6 | 89 | 80 | 74 | 70 | 87 | 79 | 74 | 70 | 78 | 73 | 69 | 76 | 72 | 69 | 75 | 71 | 68 | 67 | 67 | 67 | 67 |
| 7 | 84 | 75 | 70 | 65 | 83 | 75 | 69 | 65 | 73 | 69 | 65 | 72 | 68 | 65 | 71 | 67 | 64 | 63 | 63 | 63 | 63 |
| 8 | 80 | 71 | 65 | 61 | 79 | 71 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 67 | 63 | 60 | 59 | 59 | 59 | 59 |
| 9 | 77 | 67 | 61 | 58 | 76 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 57 | 56 | 56 | 56 | 56 |
| 10 | 73 | 64 | 58 | 54 | 72 | 63 | 58 | 54 | 62 | 57 | 54 | 62 | 57 | 54 | 61 | 57 | 54 | 52 | 52 | 52 | 52 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 442662 |
| 5° | 411027 |
| 10° | 397476 |
| 15° | 383067 |
| 20° | 354137 |
| 25° | 322664 |
| 30° | 249304 |
| 35° | 144500 |
| 40° | 57336 |
| 45° | 24437 |
| 50° | 5799 |
| 55° | 765 |
| 60° | 614 |
| 65° | 363 |
| 70° | 449 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24437 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 176.1 | 10.7 |
| 10°-20° | 470.2 | 28.5 |
| 20°-30° | 595.1 | 36.0 |
| 30°-40° | 338.8 | 20.5 |
| 40°-50° | 67.3 | 4.1 |
| 50°-60° | 3.5 | 0.2 |
| 60°-70° | 0.9 | 0.1 |
| 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° | 1241.3 | 75.1 |
| 0°-40° | 1580.2 | 95.6 |
| 0°-60° | 1651.0 | 99.9 |
| 0°-90° | 1652.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1652.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2019 | |
| 5° | 1867 | 176 |
| 15° | 1687 | 470 |
| 25° | 1334 | 595 |
| 35° | 540 | 339 |
| 45° | 79 | 67 |
| 55° | 2 | 3 |
| 65° | 1 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 2018.7 |
| 1° | 2003.8 |
| 2° | 1971.2 |
| 3° | 1933.2 |
| 4° | 1895.8 |
| 5° | 1867.3 |
| 6° | 1846.2 |
| 7° | 1829.3 |
| 8° | 1814.3 |
| 9° | 1799.4 |
| 10° | 1785.1 |
| 11° | 1769.5 |
| 12° | 1753.2 |
| 13° | 1733.5 |
| 14° | 1712.5 |
| 15° | 1687.4 |
| 16° | 1657.5 |
| 17° | 1624.9 |
| 18° | 1589.6 |
| 19° | 1552.2 |
| 20° | 1517.6 |
| 21° | 1482.3 |
| 22° | 1450.4 |
| 23° | 1417.1 |
| 24° | 1378.4 |
| 25° | 1333.6 |
| 26° | 1279.9 |
| 27° | 1215.4 |
| 28° | 1142.8 |
| 29° | 1065.4 |
| 30° | 984.6 |
| 31° | 895.6 |
| 32° | 807.3 |
| 32.5° | 761.9 |
| 33° | 717.7 |
| 34° | 628.1 |
| 35° | 539.8 |
| 36° | 458.3 |
| 37° | 377.5 |
| 37.5° | 336.1 |
| 38° | 302.8 |
| 39° | 245.1 |
| 40° | 200.3 |
| 42.5° | 123.6 |
| 45° | 78.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|------|
| 47.5° | 46.2 |
| 50° | 17.0 |
| 52.5° | 3.4 |
| 55° | 2.0 |
| 57.5° | 1.4 |
| 60° | 1.4 |
| 62.5° | 1.4 |
| 65° | 0.7 |
| 67.5° | 0.7 |
| 70° | 0.7 |
| 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)