

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: P1260914

Luminaire Tested: P3AS20R709050D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709050D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

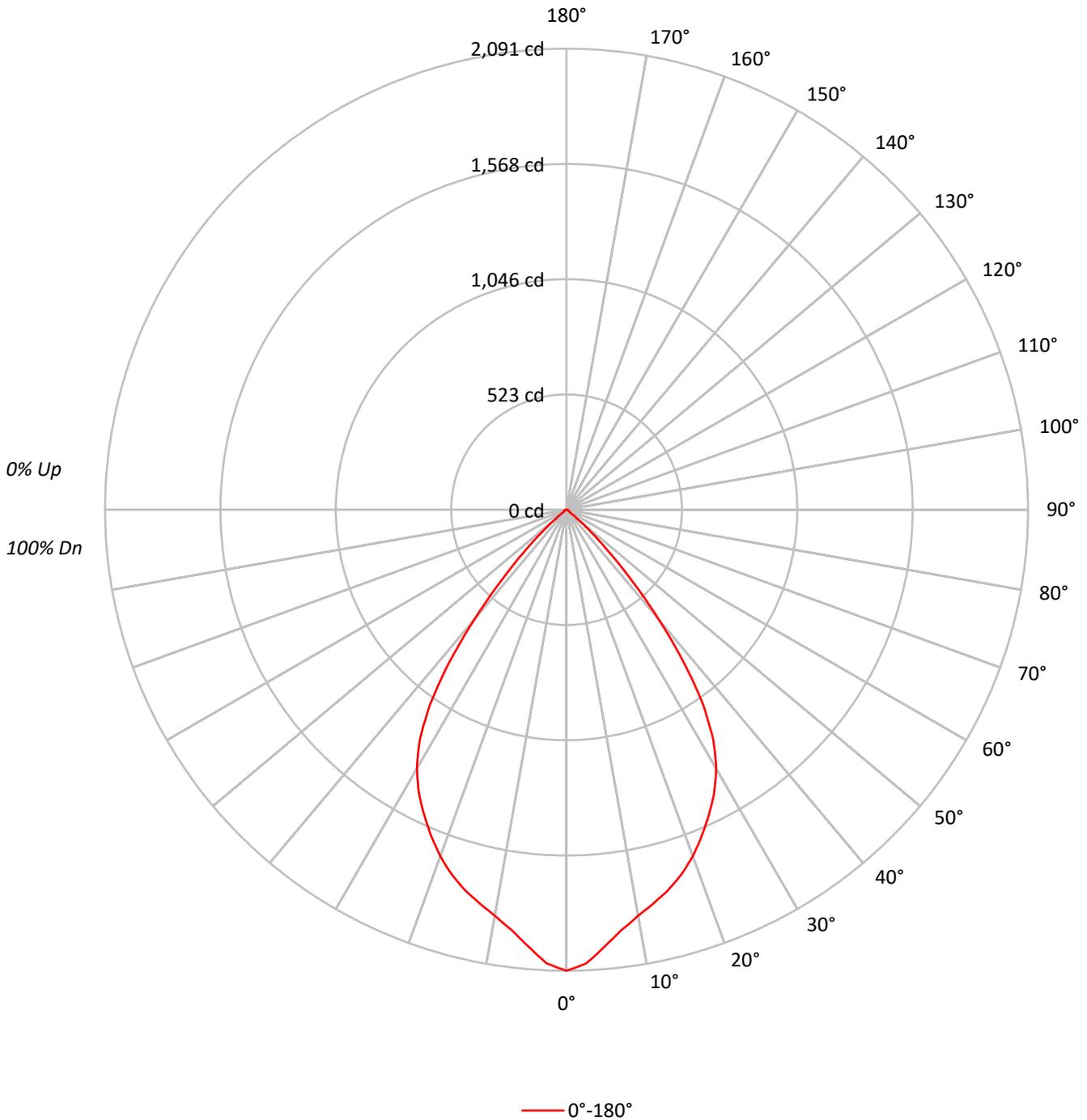
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2308.9 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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 | | | | 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 |
| 1 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 94 | 93 | | | | 93 |
| 2 | 107 | 102 | 97 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 85 | | | | 85 |
| 3 | 101 | 94 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | | | | 78 |
| 4 | 95 | 87 | 81 | 77 | 94 | 86 | 81 | 76 | 84 | 79 | 75 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | | | | 72 |
| 5 | 90 | 81 | 75 | 70 | 88 | 80 | 74 | 70 | 78 | 73 | 69 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | | | | 66 |
| 6 | 85 | 75 | 69 | 64 | 83 | 75 | 69 | 64 | 73 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 61 | | | | 61 |
| 7 | 80 | 70 | 64 | 59 | 79 | 70 | 64 | 59 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 58 | 57 | | | | 57 |
| 8 | 76 | 66 | 59 | 55 | 75 | 65 | 59 | 55 | 64 | 58 | 55 | 63 | 58 | 54 | 62 | 57 | 54 | 53 | | | | 53 |
| 9 | 72 | 62 | 55 | 51 | 71 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 58 | 54 | 50 | 49 | | | | 49 |
| 10 | 68 | 58 | 52 | 47 | 67 | 57 | 51 | 47 | 56 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 47 | 46 | | | | 46 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 458494 |
| 5° | 437507 |
| 10° | 416269 |
| 15° | 405133 |
| 20° | 390167 |
| 25° | 369263 |
| 30° | 343445 |
| 35° | 288519 |
| 40° | 185948 |
| 45° | 86428 |
| 50° | 22652 |
| 55° | 5658 |
| 60° | 5657 |
| 65° | 4774 |
| 70° | 4744 |
| 75° | 4660 |
| 80° | 4672 |
| 85° | 4529 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 86428 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 186.1 | 8.1 |
| 10°-20° | 501.4 | 21.7 |
| 20°-30° | 700.6 | 30.3 |
| 30°-40° | 649.6 | 28.1 |
| 40°-50° | 232.9 | 10.1 |
| 50°-60° | 19.7 | 0.9 |
| 60°-70° | 9.8 | 0.4 |
| 70°-80° | 6.3 | 0.3 |
| 80°-90° | 2.5 | 0.1 |
| 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° | 1388.1 | 60.1 |
| 0°-40° | 2037.7 | 88.3 |
| 0°-60° | 2290.3 | 99.2 |
| 0°-90° | 2308.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2308.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2091 | |
| 5° | 1988 | 186 |
| 15° | 1785 | 501 |
| 25° | 1526 | 701 |
| 35° | 1078 | 650 |
| 45° | 279 | 233 |
| 55° | 15 | 20 |
| 65° | 9 | 10 |
| 75° | 6 | 6 |
| 85° | 2 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 2090.9 |
| 2.5° | 2059.6 |
| 5° | 1987.6 |
| 7.5° | 1921.2 |
| 10° | 1869.5 |
| 12.5° | 1827.0 |
| 15° | 1784.6 |
| 17.5° | 1732.9 |
| 20° | 1672.0 |
| 22.5° | 1601.9 |
| 25° | 1526.2 |
| 27.5° | 1448.7 |
| 30° | 1356.4 |
| 32.5° | 1238.3 |
| 35° | 1077.8 |
| 37.5° | 872.9 |
| 40° | 649.6 |
| 42.5° | 442.9 |
| 45° | 278.7 |
| 47.5° | 155.0 |
| 50° | 66.4 |
| 52.5° | 22.1 |
| 55° | 14.8 |
| 57.5° | 12.9 |
| 60° | 12.9 |
| 62.5° | 11.1 |
| 65° | 9.2 |
| 67.5° | 9.2 |
| 70° | 7.4 |
| 72.5° | 7.4 |
| 75° | 5.5 |
| 77.5° | 5.5 |
| 80° | 3.7 |
| 82.5° | 3.7 |
| 85° | 1.8 |
| 87.5° | 1.8 |
| 90° | 0.0 |

(END OF REPORT)