

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: P1255528

Luminaire Tested: P3AS20R559035D010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559035D010 E3D1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

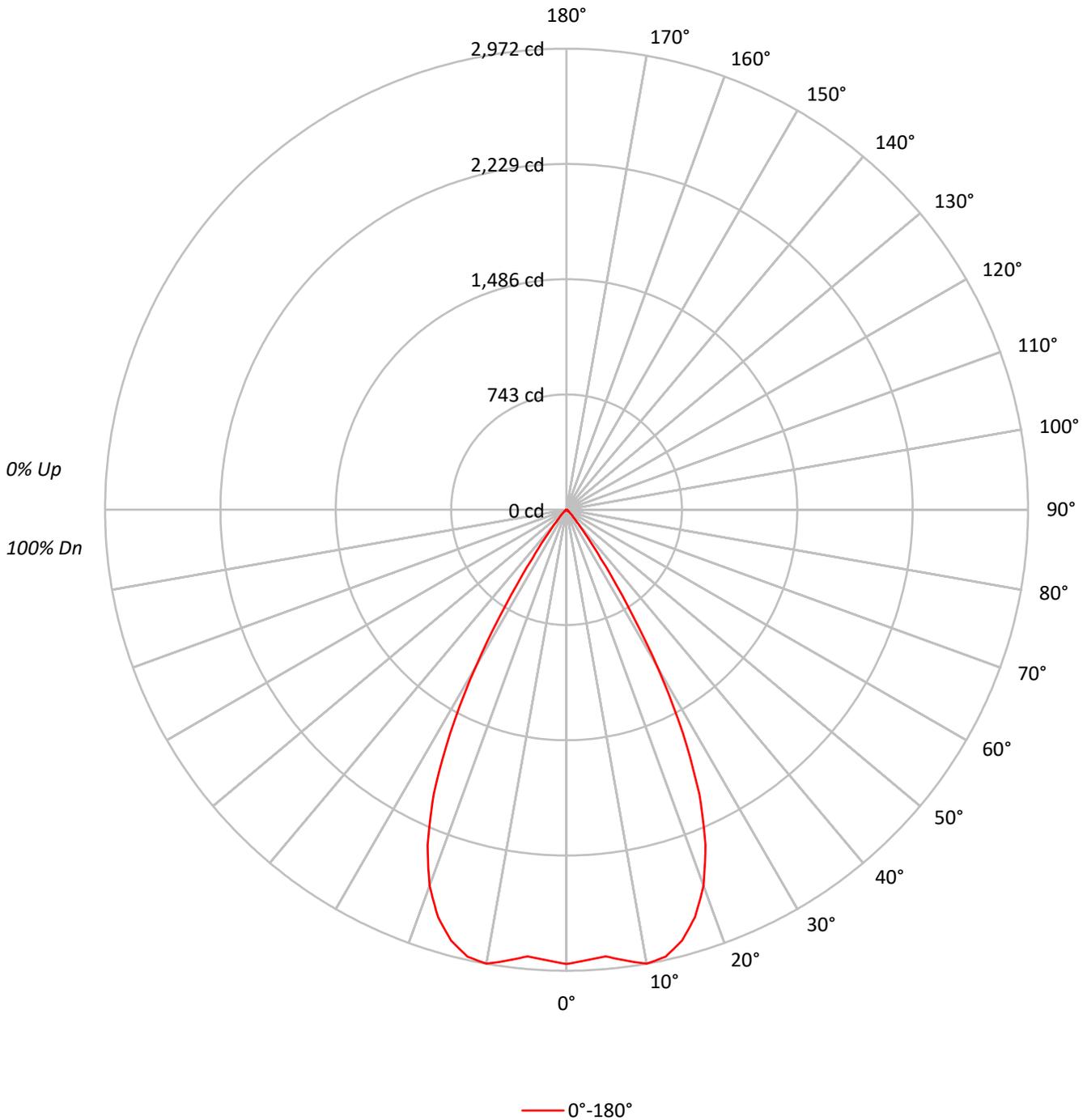
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2315.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
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 | | | | |
| 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 | | | |
| 1 | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | | | |
| 2 | 109 | 104 | 101 | 98 | 107 | 103 | 99 | 96 | 100 | 97 | 94 | 97 | 94 | 92 | 94 | 92 | 90 | 89 | | | |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 89 | 94 | 91 | 88 | 92 | 89 | 86 | 90 | 87 | 85 | 84 | | | |
| 4 | 99 | 92 | 87 | 84 | 98 | 91 | 87 | 83 | 89 | 85 | 82 | 87 | 84 | 81 | 86 | 83 | 80 | 79 | | | |
| 5 | 95 | 87 | 82 | 78 | 93 | 86 | 81 | 78 | 85 | 80 | 77 | 83 | 79 | 76 | 82 | 78 | 76 | 74 | | | |
| 6 | 91 | 83 | 77 | 73 | 89 | 82 | 77 | 73 | 80 | 76 | 72 | 79 | 75 | 72 | 78 | 74 | 72 | 70 | | | |
| 7 | 87 | 78 | 73 | 69 | 85 | 78 | 72 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 66 | | | |
| 8 | 83 | 74 | 69 | 65 | 82 | 74 | 68 | 65 | 73 | 68 | 65 | 72 | 67 | 64 | 71 | 67 | 64 | 63 | | | |
| 9 | 79 | 71 | 65 | 61 | 78 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 68 | 64 | 61 | 60 | | | |
| 10 | 76 | 67 | 62 | 58 | 75 | 67 | 62 | 58 | 66 | 61 | 58 | 65 | 61 | 58 | 65 | 61 | 58 | 57 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 642076 |
| 5° | 636098 |
| 10° | 661667 |
| 15° | 652490 |
| 20° | 601679 |
| 25° | 489561 |
| 30° | 297362 |
| 35° | 102928 |
| 40° | 29369 |
| 45° | 14017 |
| 50° | 5936 |
| 55° | 2676 |
| 60° | 3070 |
| 65° | 2698 |
| 70° | 2244 |
| 75° | 2965 |
| 80° | 2147 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14017 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 279.4 | 12.1 |
| 10°-20° | 798.8 | 34.5 |
| 20°-30° | 890.5 | 38.5 |
| 30°-40° | 291.3 | 12.6 |
| 40°-50° | 38.4 | 1.7 |
| 50°-60° | 8.1 | 0.4 |
| 60°-70° | 4.7 | 0.2 |
| 70°-80° | 3.0 | 0.1 |
| 80°-90° | 0.7 | 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° | 1968.7 | 85.0 |
| 0°-40° | 2260.1 | 97.6 |
| 0°-60° | 2306.6 | 99.6 |
| 0°-90° | 2315.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2315.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2928 | |
| 5° | 2890 | 279 |
| 15° | 2874 | 799 |
| 25° | 2023 | 891 |
| 35° | 384 | 291 |
| 45° | 45 | 38 |
| 55° | 7 | 8 |
| 65° | 5 | 5 |
| 75° | 4 | 3 |
| 85° | 0 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 2928.1 |
| 2.5° | 2907.2 |
| 5° | 2889.8 |
| 7.5° | 2931.6 |
| 10° | 2971.6 |
| 12.5° | 2950.7 |
| 15° | 2874.2 |
| 17.5° | 2752.4 |
| 20° | 2578.4 |
| 22.5° | 2338.3 |
| 25° | 2023.4 |
| 27.5° | 1623.2 |
| 30° | 1174.4 |
| 32.5° | 720.3 |
| 35° | 384.5 |
| 37.5° | 194.9 |
| 40° | 102.6 |
| 42.5° | 66.1 |
| 45° | 45.2 |
| 47.5° | 31.3 |
| 50° | 17.4 |
| 52.5° | 10.4 |
| 55° | 7.0 |
| 57.5° | 7.0 |
| 60° | 7.0 |
| 62.5° | 5.2 |
| 65° | 5.2 |
| 67.5° | 3.5 |
| 70° | 3.5 |
| 72.5° | 3.5 |
| 75° | 3.5 |
| 77.5° | 1.7 |
| 80° | 1.7 |
| 82.5° | 1.7 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)