

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: P1252652

Luminaire Tested: P3AS20R259030D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R259030D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

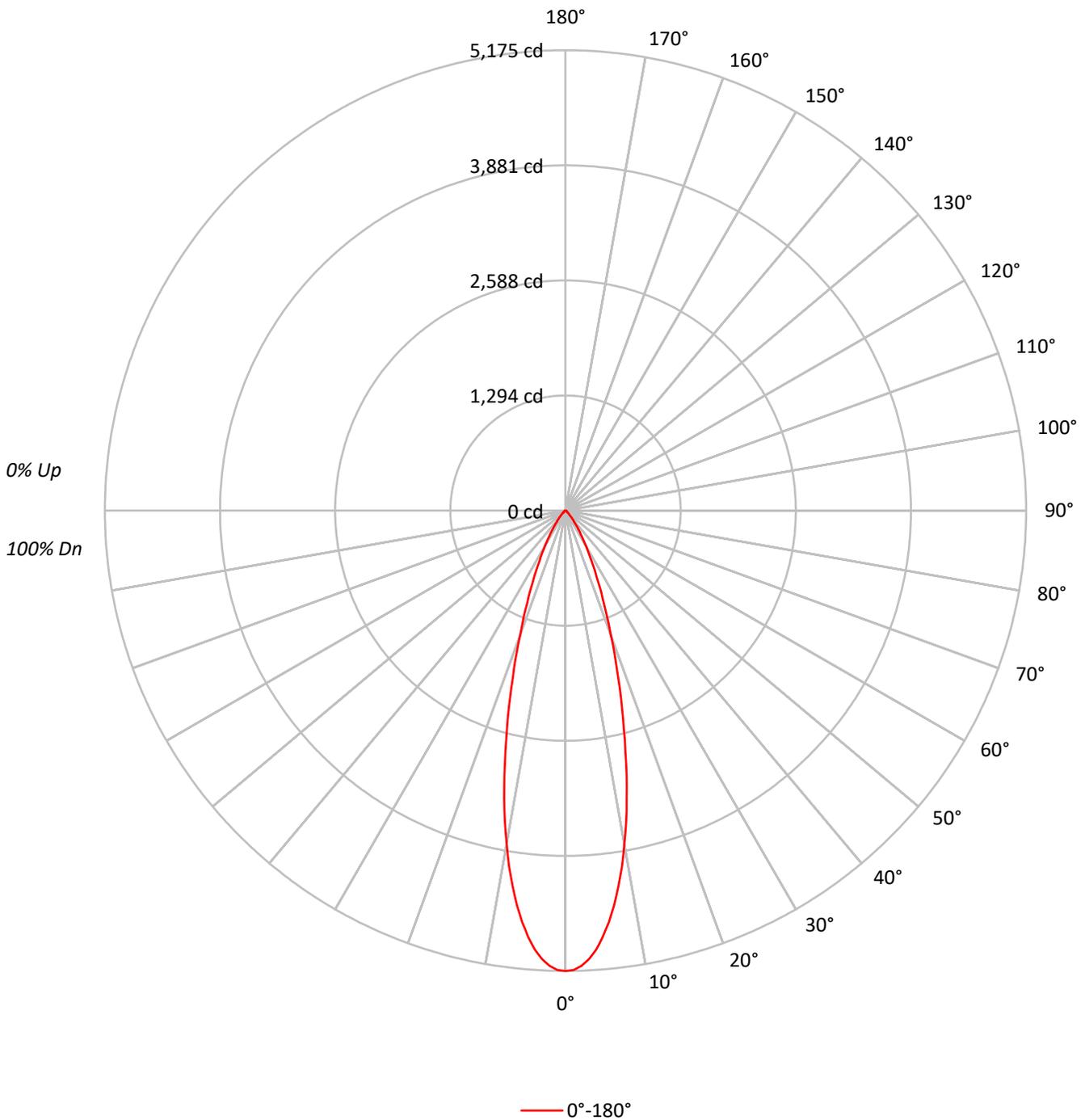
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1769.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.49 / 0.49 / 0.51
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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CATALOG NUMBER: P3AS20R259030D010 E3DL1MW

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 | 99 | 98 | 97 | 100 |
| 1 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 95 | 95 | 93 | 92 | 95 |
| 2 | 110 | 105 | 102 | 99 | 107 | 104 | 101 | 98 | 101 | 98 | 96 | 98 | 96 | 94 | 95 | 93 | 92 | 90 | 91 | 89 | 87 | 90 |
| 3 | 105 | 100 | 96 | 92 | 103 | 98 | 95 | 91 | 96 | 93 | 90 | 94 | 91 | 89 | 91 | 89 | 87 | 86 | 88 | 85 | 83 | 86 |
| 4 | 101 | 95 | 90 | 87 | 99 | 94 | 89 | 86 | 92 | 88 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 82 | 86 | 83 | 81 | 82 |
| 5 | 97 | 90 | 85 | 82 | 96 | 89 | 85 | 81 | 88 | 84 | 81 | 86 | 83 | 80 | 85 | 82 | 79 | 78 | 85 | 82 | 79 | 78 |
| 6 | 94 | 86 | 81 | 78 | 92 | 86 | 81 | 78 | 84 | 80 | 77 | 83 | 79 | 77 | 82 | 78 | 76 | 75 | 82 | 78 | 76 | 75 |
| 7 | 90 | 83 | 78 | 74 | 89 | 82 | 77 | 74 | 81 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 72 | 79 | 75 | 73 | 72 |
| 8 | 87 | 79 | 74 | 71 | 86 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 69 | 76 | 73 | 70 | 69 |
| 9 | 84 | 76 | 71 | 68 | 83 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 73 | 70 | 67 | 66 | 73 | 70 | 67 | 66 |
| 10 | 81 | 73 | 69 | 65 | 80 | 73 | 68 | 65 | 72 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 64 | 71 | 67 | 65 | 64 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 1134756 |
| 5° | 1058703 |
| 10° | 848103 |
| 15° | 575690 |
| 20° | 348350 |
| 25° | 203697 |
| 30° | 115993 |
| 35° | 63818 |
| 40° | 33863 |
| 45° | 17831 |
| 50° | 10371 |
| 55° | 7761 |
| 60° | 6666 |
| 65° | 7005 |
| 70° | 6475 |
| 75° | 5761 |
| 80° | 4293 |
| 85° | 4277 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17831 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 426.8 | 24.1 |
| 10°-20° | 697.2 | 39.4 |
| 20°-30° | 398.4 | 22.5 |
| 30°-40° | 157.2 | 8.9 |
| 40°-50° | 48.2 | 2.7 |
| 50°-60° | 19.0 | 1.1 |
| 60°-70° | 12.7 | 0.7 |
| 70°-80° | 7.2 | 0.4 |
| 80°-90° | 2.3 | 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° | 1522.4 | 86.1 |
| 0°-40° | 1679.6 | 94.9 |
| 0°-60° | 1746.8 | 98.7 |
| 0°-90° | 1769.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1769.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 5175 | |
| 5° | 4810 | 427 |
| 15° | 2536 | 697 |
| 25° | 842 | 398 |
| 35° | 238 | 157 |
| 45° | 58 | 48 |
| 55° | 20 | 19 |
| 65° | 14 | 13 |
| 75° | 7 | 7 |
| 85° | 2 | 2 |
| 90° | 0 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 5174.9 |
| 1° | 5164.7 |
| 2° | 5122.5 |
| 3° | 5048.1 |
| 4° | 4944.9 |
| 5° | 4809.7 |
| 6° | 4650.8 |
| 7° | 4471.6 |
| 8° | 4263.6 |
| 9° | 4050.6 |
| 10° | 3808.9 |
| 11° | 3570.5 |
| 12° | 3308.5 |
| 13° | 3049.8 |
| 14° | 2784.4 |
| 15° | 2535.9 |
| 17.5° | 1966.1 |
| 20° | 1492.8 |
| 22.5° | 1120.9 |
| 25° | 841.9 |
| 27.5° | 623.8 |
| 30° | 458.1 |
| 32.5° | 331.4 |
| 35° | 238.4 |
| 37.5° | 169.1 |
| 40° | 118.3 |
| 42.5° | 81.1 |
| 45° | 57.5 |
| 47.5° | 40.6 |
| 50° | 30.4 |
| 52.5° | 23.7 |
| 55° | 20.3 |
| 57.5° | 18.6 |
| 60° | 15.2 |
| 62.5° | 13.5 |
| 65° | 13.5 |
| 67.5° | 11.8 |
| 70° | 10.1 |
| 72.5° | 8.5 |
| 75° | 6.8 |
| 77.5° | 5.1 |
| 80° | 3.4 |
| 82.5° | 3.4 |
| 85° | 1.7 |
| 87.5° | 1.7 |



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)