

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: P1266152

Luminaire Tested: P3AS02R159735DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R159735DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

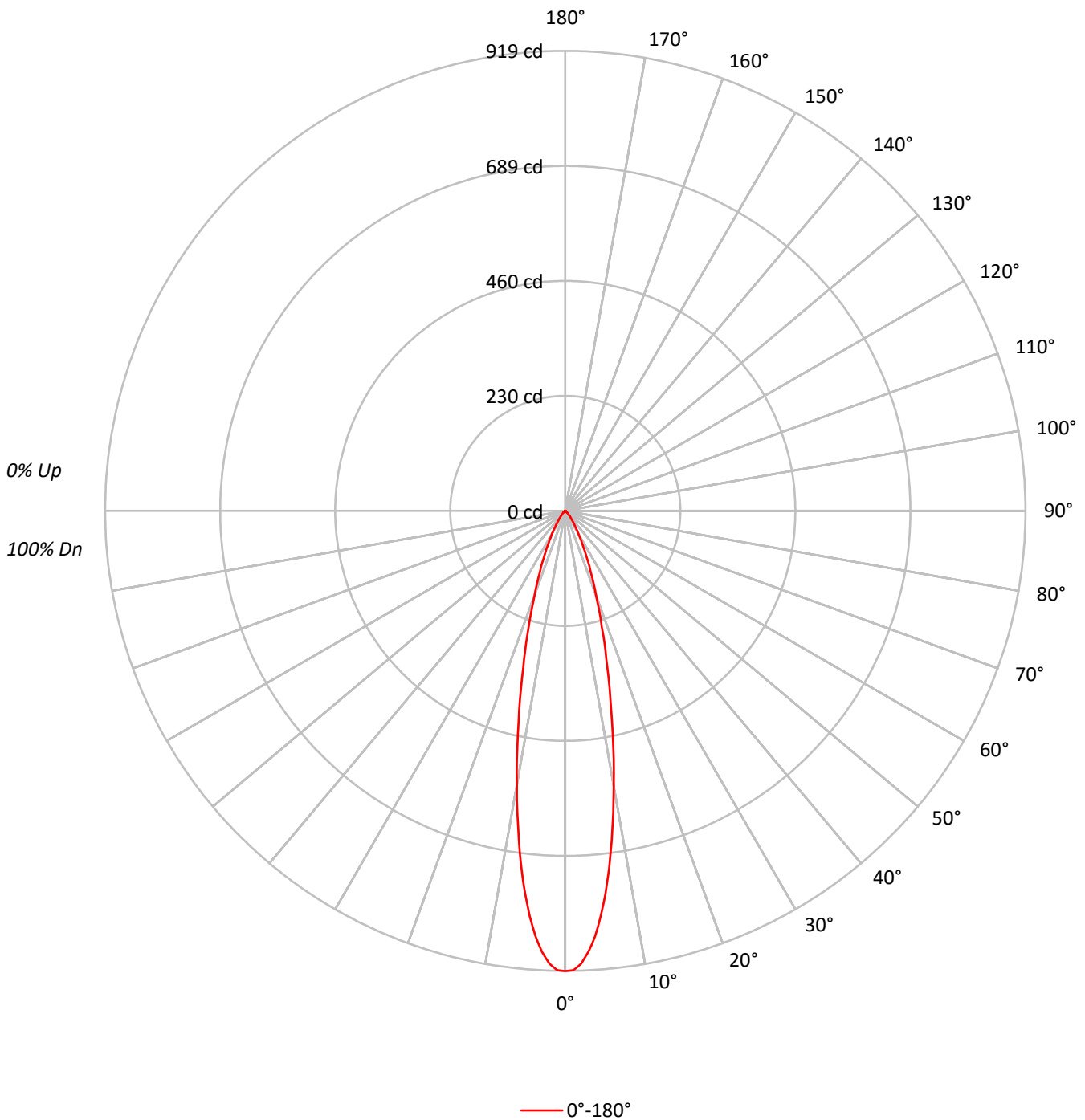
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 236.0 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 95 | 95 | 95 |
| 2 | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99 | 101 | 99 | 97 | 98 | 96 | 95 | 96 | 94 | 93 | 91 | 91 | 91 |
| 3 | 106 | 101 | 97 | 93 | 104 | 99 | 96 | 93 | 97 | 94 | 91 | 94 | 92 | 90 | 92 | 90 | 88 | 87 | 87 | 87 |
| 4 | 102 | 96 | 92 | 88 | 100 | 95 | 91 | 88 | 93 | 89 | 87 | 91 | 88 | 86 | 89 | 87 | 85 | 83 | 83 | 83 |
| 5 | 98 | 92 | 87 | 84 | 97 | 91 | 87 | 83 | 89 | 85 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 80 | 80 | 80 |
| 6 | 95 | 88 | 83 | 80 | 94 | 87 | 83 | 80 | 86 | 82 | 79 | 85 | 81 | 79 | 83 | 80 | 78 | 77 | 77 | 77 |
| 7 | 92 | 85 | 80 | 77 | 91 | 84 | 80 | 76 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 75 | 74 | 74 | 74 |
| 8 | 89 | 81 | 77 | 74 | 88 | 81 | 77 | 73 | 80 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 73 | 72 | 72 | 72 |
| 9 | 86 | 79 | 74 | 71 | 85 | 78 | 74 | 71 | 77 | 73 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 69 | 69 | 69 |
| 10 | 84 | 76 | 71 | 68 | 83 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 71 | 68 | 74 | 70 | 68 | 67 | 67 | 67 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 201607 |
| 5° | 178956 |
| 10° | 124268 |
| 15° | 73485 |
| 20° | 41864 |
| 25° | 23929 |
| 30° | 13243 |
| 35° | 7067 |
| 40° | 3893 |
| 45° | 2109 |
| 50° | 1330 |
| 55° | 1032 |
| 60° | 877 |
| 65° | 830 |
| 70° | 705 |
| 75° | 763 |
| 80° | 631 |
| 85° | 503 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2109 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 69.1 | 29.3 |
| 10°-20° | 91.2 | 38.7 |
| 20°-30° | 47.0 | 19.9 |
| 30°-40° | 17.7 | 7.5 |
| 40°-50° | 5.8 | 2.4 |
| 50°-60° | 2.5 | 1.1 |
| 60°-70° | 1.6 | 0.7 |
| 70°-80° | 0.9 | 0.4 |
| 80°-90° | 0.3 | 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° | 207.4 | 87.9 |
| 0°-40° | 225.0 | 95.3 |
| 0°-60° | 233.3 | 98.8 |
| 0°-90° | 236.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 236.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 919 | |
| 5° | 813 | 69 |
| 15° | 324 | 91 |
| 25° | 99 | 47 |
| 35° | 26 | 18 |
| 45° | 7 | 6 |
| 55° | 3 | 2 |
| 65° | 2 | 2 |
| 75° | 1 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 919.4 |
| 1° | 917.6 |
| 2° | 905.5 |
| 3° | 882.6 |
| 4° | 852.3 |
| 5° | 813.0 |
| 6° | 768.4 |
| 7° | 719.6 |
| 8° | 665.2 |
| 9° | 611.6 |
| 10° | 558.1 |
| 12.5° | 429.5 |
| 15° | 323.7 |
| 17.5° | 242.4 |
| 20° | 179.4 |
| 22.5° | 133.9 |
| 25° | 98.9 |
| 27.5° | 72.1 |
| 30° | 52.3 |
| 32.5° | 37.1 |
| 35° | 26.4 |
| 37.5° | 18.9 |
| 40° | 13.6 |
| 42.5° | 9.8 |
| 45° | 6.8 |
| 47.5° | 5.0 |
| 50° | 3.9 |
| 52.5° | 3.2 |
| 55° | 2.7 |
| 57.5° | 2.3 |
| 60° | 2.0 |
| 62.5° | 1.8 |
| 65° | 1.6 |
| 67.5° | 1.4 |
| 70° | 1.1 |
| 72.5° | 1.1 |
| 75° | 0.9 |
| 77.5° | 0.7 |
| 80° | 0.5 |
| 82.5° | 0.5 |
| 85° | 0.2 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)