

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: P1268610

Luminaire Tested: P3AS02R309740DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R309740DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

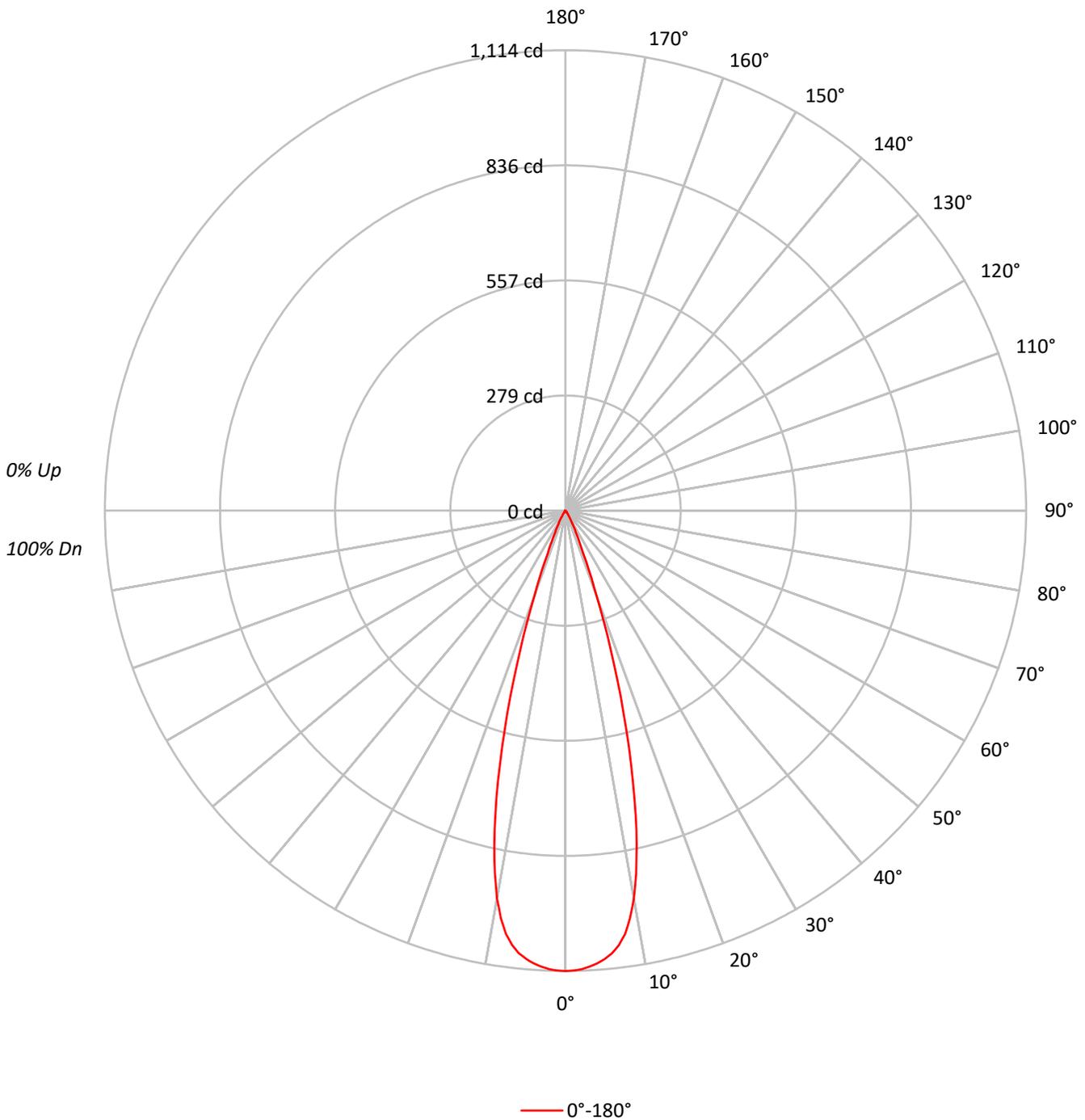
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 300.0 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 98 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 98 | 96 | 95 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99 | 100 | 99 | 97 | 98 | 96 | 95 | 95 | 94 | 92 | 94 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 97 | 95 | 93 | 95 | 94 | 92 | 93 | 91 | 89 | 91 |
| 4 | 105 | 100 | 96 | 93 | 103 | 99 | 95 | 92 | 97 | 94 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 93 | 91 | 89 | 88 |
| 5 | 102 | 96 | 92 | 89 | 100 | 95 | 92 | 89 | 94 | 90 | 88 | 92 | 89 | 87 | 91 | 88 | 87 | 91 | 88 | 87 | 85 |
| 6 | 99 | 93 | 89 | 86 | 98 | 92 | 88 | 86 | 91 | 88 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 89 | 86 | 84 | 83 |
| 7 | 96 | 90 | 86 | 83 | 95 | 89 | 86 | 83 | 88 | 85 | 83 | 87 | 84 | 82 | 86 | 84 | 82 | 86 | 84 | 82 | 81 |
| 8 | 94 | 87 | 83 | 81 | 93 | 87 | 83 | 80 | 86 | 83 | 80 | 85 | 82 | 80 | 84 | 82 | 80 | 84 | 82 | 80 | 79 |
| 9 | 91 | 85 | 81 | 78 | 90 | 84 | 81 | 78 | 84 | 80 | 78 | 83 | 80 | 78 | 82 | 79 | 77 | 82 | 79 | 77 | 77 |
| 10 | 89 | 83 | 79 | 76 | 88 | 82 | 78 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 80 | 77 | 75 | 80 | 77 | 75 | 75 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 244301 |
| 5° | 239687 |
| 10° | 212176 |
| 15° | 134439 |
| 20° | 51034 |
| 25° | 15098 |
| 30° | 5976 |
| 35° | 1820 |
| 40° | 802 |
| 45° | 279 |
| 50° | 239 |
| 55° | 191 |
| 60° | 219 |
| 65° | 259 |
| 70° | 128 |
| 75° | 169 |
| 80° | 253 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 279 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 100.1 | 33.4 |
| 10°-20° | 156.0 | 52.0 |
| 20°-30° | 36.2 | 12.1 |
| 30°-40° | 5.6 | 1.9 |
| 40°-50° | 0.9 | 0.3 |
| 50°-60° | 0.5 | 0.2 |
| 60°-70° | 0.4 | 0.1 |
| 70°-80° | 0.2 | 0.1 |
| 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° | 292.3 | 97.5 |
| 0°-40° | 297.9 | 99.3 |
| 0°-60° | 299.3 | 99.8 |
| 0°-90° | 300.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 300.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1114 | |
| 5° | 1089 | 100 |
| 15° | 592 | 156 |
| 25° | 62 | 36 |
| 35° | 7 | 6 |
| 45° | 1 | 1 |
| 55° | 0 | 0 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1114.1 |
| 1° | 1113.4 |
| 2° | 1110.3 |
| 3° | 1105.1 |
| 4° | 1098.5 |
| 5° | 1088.9 |
| 6° | 1076.9 |
| 7° | 1059.0 |
| 8° | 1034.5 |
| 9° | 998.4 |
| 10° | 952.9 |
| 11° | 894.3 |
| 12° | 828.0 |
| 13° | 754.5 |
| 14° | 673.7 |
| 15° | 592.2 |
| 17.5° | 387.4 |
| 20° | 218.7 |
| 22.5° | 111.7 |
| 25° | 62.4 |
| 27.5° | 38.4 |
| 30° | 23.6 |
| 32.5° | 12.7 |
| 35° | 6.8 |
| 37.5° | 4.5 |
| 40° | 2.8 |
| 42.5° | 1.6 |
| 45° | 0.9 |
| 47.5° | 0.7 |
| 50° | 0.7 |
| 52.5° | 0.5 |
| 55° | 0.5 |
| 57.5° | 0.5 |
| 60° | 0.5 |
| 62.5° | 0.5 |
| 65° | 0.5 |
| 67.5° | 0.2 |
| 70° | 0.2 |
| 72.5° | 0.2 |
| 75° | 0.2 |
| 77.5° | 0.2 |
| 80° | 0.2 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)