

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: P1271114

Luminaire Tested: P3AS02R659827DE010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R659827DE010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 98CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

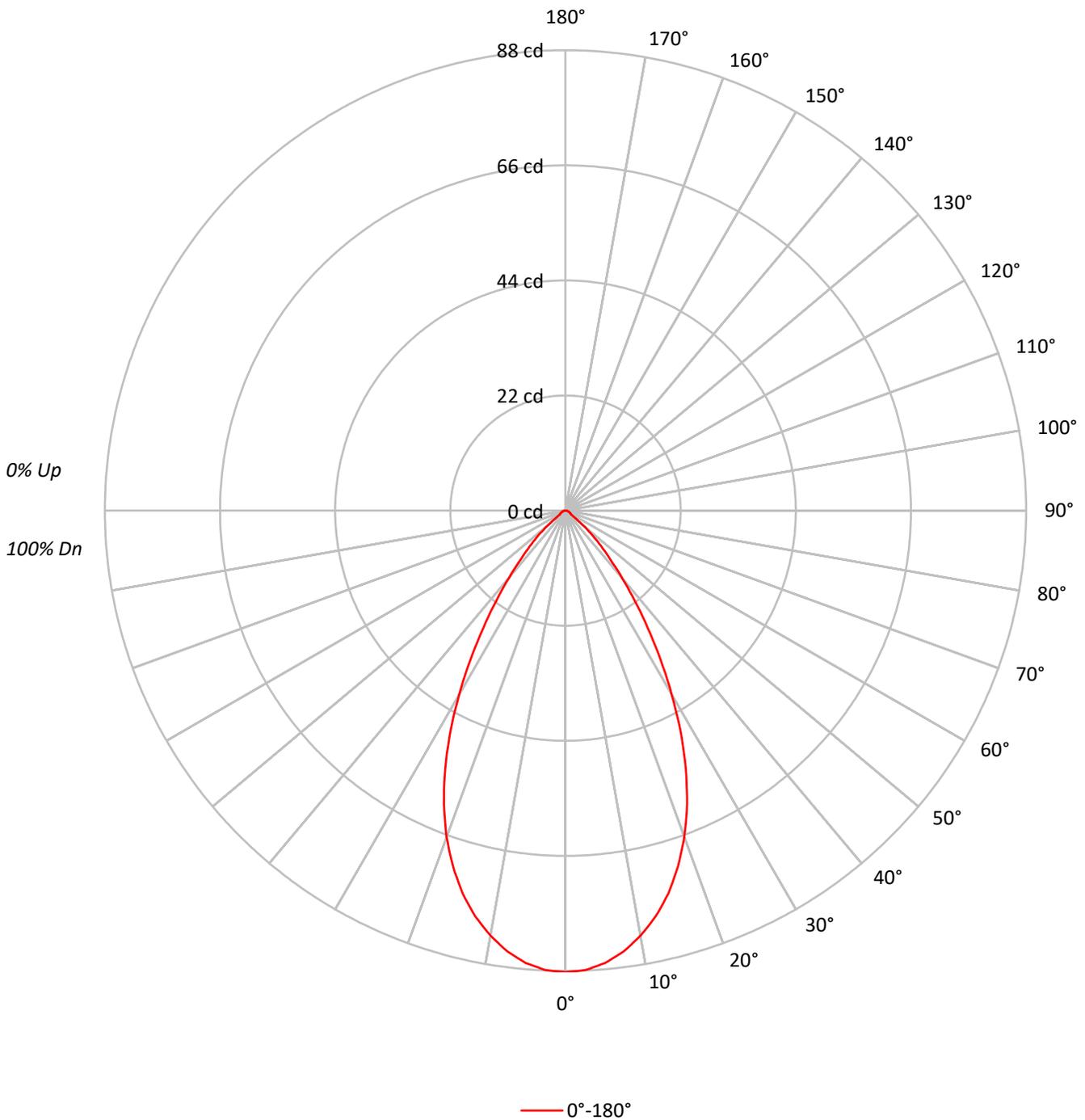
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 82.0 lumens
Efficiency: N/A
Efficacy: 22.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.87
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (A_{in}): 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 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 85 | | | | 85 |
| 3 | 101 | 95 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 80 | 79 | | | | 79 |
| 4 | 96 | 88 | 82 | 78 | 94 | 87 | 81 | 77 | 85 | 80 | 76 | 83 | 79 | 75 | 81 | 77 | 74 | 73 | | | | 73 |
| 5 | 91 | 82 | 76 | 71 | 89 | 81 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 70 | 76 | 72 | 69 | 68 | | | | 68 |
| 6 | 86 | 77 | 70 | 66 | 84 | 76 | 70 | 66 | 74 | 69 | 65 | 73 | 68 | 65 | 71 | 67 | 64 | 63 | | | | 63 |
| 7 | 81 | 72 | 66 | 61 | 80 | 71 | 65 | 61 | 70 | 64 | 61 | 69 | 64 | 60 | 67 | 63 | 60 | 58 | | | | 58 |
| 8 | 77 | 67 | 61 | 57 | 76 | 67 | 61 | 57 | 66 | 60 | 57 | 65 | 60 | 56 | 64 | 59 | 56 | 55 | | | | 55 |
| 9 | 74 | 63 | 57 | 53 | 72 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 51 | | | | 51 |
| 10 | 70 | 60 | 54 | 50 | 69 | 59 | 54 | 50 | 59 | 53 | 50 | 58 | 53 | 50 | 57 | 53 | 49 | 48 | | | | 48 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 19341 |
| 5° | 19106 |
| 10° | 18370 |
| 15° | 17208 |
| 20° | 15495 |
| 25° | 13162 |
| 30° | 10280 |
| 35° | 7335 |
| 40° | 4809 |
| 45° | 2977 |
| 50° | 1501 |
| 55° | 535 |
| 60° | 482 |
| 65° | 467 |
| 70° | 449 |
| 75° | 424 |
| 80° | 379 |
| 85° | 503 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2977 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 8.1 | 9.9 |
| 10°-20° | 21.1 | 25.7 |
| 20°-30° | 24.7 | 30.1 |
| 30°-40° | 17.2 | 21.0 |
| 40°-50° | 7.6 | 9.3 |
| 50°-60° | 1.7 | 2.1 |
| 60°-70° | 0.9 | 1.1 |
| 70°-80° | 0.5 | 0.6 |
| 80°-90° | 0.2 | 0.2 |
| 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° | 53.9 | 65.7 |
| 0°-40° | 71.2 | 86.8 |
| 0°-60° | 80.4 | 98.1 |
| 0°-90° | 82.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 82.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|----|------|
| 0° | 88 | |
| 5° | 87 | 8 |
| 15° | 76 | 21 |
| 25° | 54 | 25 |
| 35° | 27 | 17 |
| 45° | 10 | 8 |
| 55° | 1 | 2 |
| 65° | 1 | 1 |
| 75° | 0 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|------|
| 0° | 88.2 |
| 2.5° | 87.9 |
| 5° | 86.8 |
| 7.5° | 85.0 |
| 10° | 82.5 |
| 12.5° | 79.5 |
| 15° | 75.8 |
| 17.5° | 71.4 |
| 20° | 66.4 |
| 22.5° | 60.7 |
| 25° | 54.4 |
| 27.5° | 47.6 |
| 30° | 40.6 |
| 32.5° | 33.8 |
| 35° | 27.4 |
| 37.5° | 21.7 |
| 40° | 16.8 |
| 42.5° | 12.7 |
| 45° | 9.6 |
| 47.5° | 7.0 |
| 50° | 4.4 |
| 52.5° | 2.3 |
| 55° | 1.4 |
| 57.5° | 1.2 |
| 60° | 1.1 |
| 62.5° | 1.0 |
| 65° | 0.9 |
| 67.5° | 0.7 |
| 70° | 0.7 |
| 72.5° | 0.6 |
| 75° | 0.5 |
| 77.5° | 0.4 |
| 80° | 0.3 |
| 82.5° | 0.2 |
| 85° | 0.2 |
| 87.5° | 0.1 |
| 90° | 0.0 |

(END OF REPORT)