

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: P1271721

Luminaire Tested: P3AS09R509827DE010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R509827DE010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

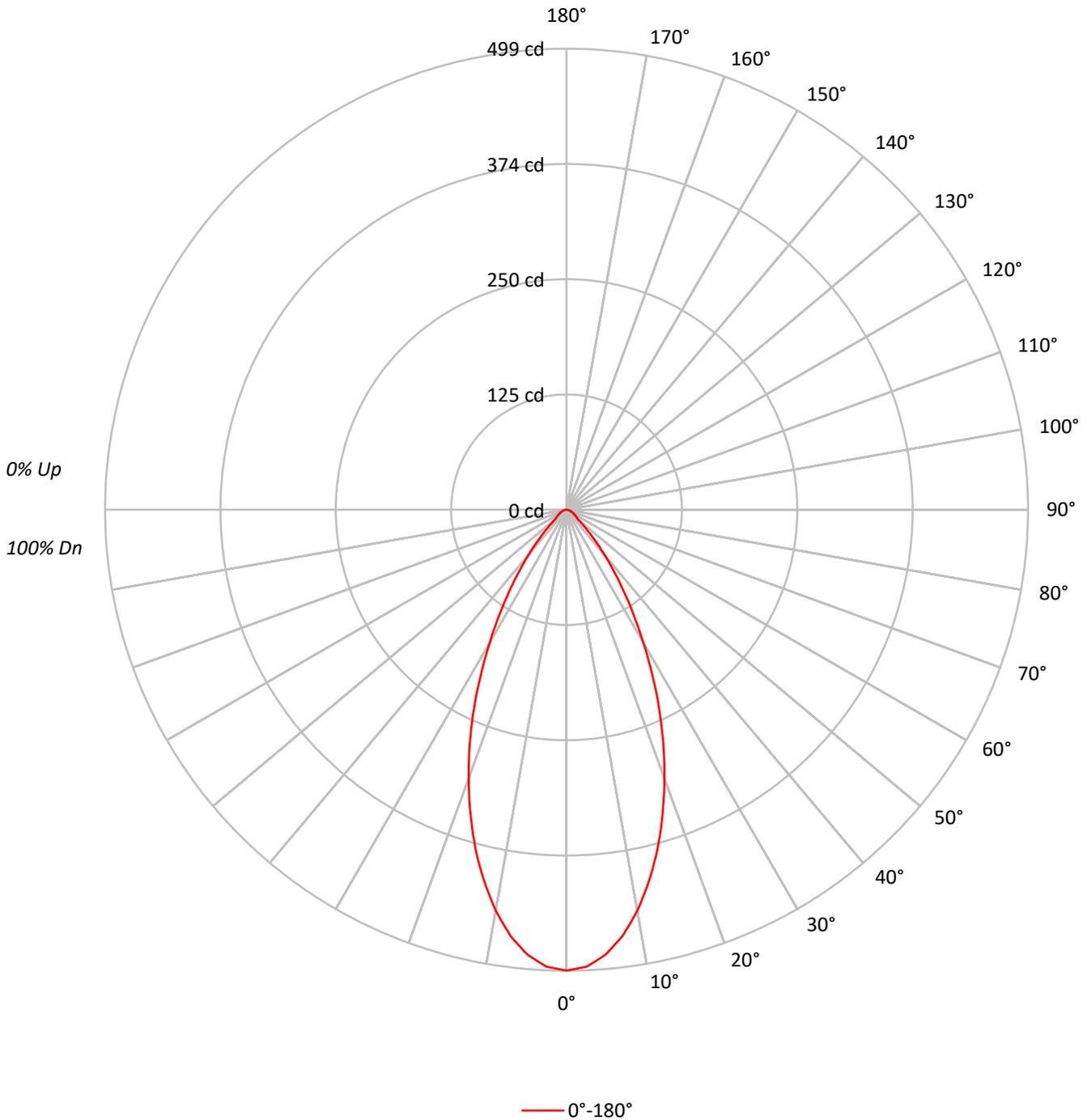
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 376.0 lumens
Efficiency: N/A
Efficacy: 34.2 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 95 | 94 | 93 | | | |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 85 | | | |
| 3 | 101 | 95 | 89 | 85 | 99 | 93 | 88 | 85 | 91 | 87 | 83 | 88 | 85 | 82 | 86 | 83 | 81 | 79 | | | |
| 4 | 96 | 88 | 82 | 78 | 94 | 87 | 82 | 78 | 85 | 80 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 73 | | | |
| 5 | 91 | 83 | 76 | 72 | 90 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 77 | 73 | 70 | 68 | | | |
| 6 | 87 | 77 | 71 | 67 | 85 | 77 | 71 | 67 | 75 | 70 | 66 | 74 | 69 | 66 | 72 | 68 | 65 | 64 | | | |
| 7 | 82 | 73 | 67 | 62 | 81 | 72 | 66 | 62 | 71 | 66 | 62 | 70 | 65 | 61 | 68 | 64 | 61 | 60 | | | |
| 8 | 78 | 69 | 63 | 58 | 77 | 68 | 62 | 58 | 67 | 62 | 58 | 66 | 61 | 58 | 65 | 61 | 57 | 56 | | | |
| 9 | 75 | 65 | 59 | 55 | 74 | 64 | 59 | 55 | 63 | 58 | 55 | 63 | 58 | 54 | 62 | 57 | 54 | 53 | | | |
| 10 | 71 | 61 | 56 | 52 | 70 | 61 | 55 | 52 | 60 | 55 | 51 | 59 | 55 | 51 | 59 | 54 | 51 | 50 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 109355 |
| 5° | 106405 |
| 10° | 98128 |
| 15° | 86289 |
| 20° | 72200 |
| 25° | 57245 |
| 30° | 42006 |
| 35° | 28884 |
| 40° | 18349 |
| 45° | 10265 |
| 50° | 5561 |
| 55° | 4664 |
| 60° | 4035 |
| 65° | 3684 |
| 70° | 3270 |
| 75° | 3050 |
| 80° | 2526 |
| 85° | 2516 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10265 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.8 | 11.9 |
| 10°-20° | 105.3 | 28.0 |
| 20°-30° | 107.7 | 28.6 |
| 30°-40° | 68.3 | 18.2 |
| 40°-50° | 27.2 | 7.2 |
| 50°-60° | 11.0 | 2.9 |
| 60°-70° | 7.0 | 1.9 |
| 70°-80° | 3.6 | 1.0 |
| 80°-90° | 1.1 | 0.3 |
| 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° | 257.7 | 68.6 |
| 0°-40° | 326.0 | 86.7 |
| 0°-60° | 364.2 | 96.9 |
| 0°-90° | 376.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 376.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 499 | |
| 5° | 483 | 45 |
| 15° | 380 | 105 |
| 25° | 237 | 108 |
| 35° | 108 | 68 |
| 45° | 33 | 27 |
| 55° | 12 | 11 |
| 65° | 7 | 7 |
| 75° | 4 | 4 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 498.7 |
| 2.5° | 495.2 |
| 5° | 483.4 |
| 7.5° | 465.1 |
| 10° | 440.7 |
| 12.5° | 411.7 |
| 15° | 380.1 |
| 17.5° | 345.5 |
| 20° | 309.4 |
| 22.5° | 273.3 |
| 25° | 236.6 |
| 27.5° | 200.0 |
| 30° | 165.9 |
| 32.5° | 135.4 |
| 35° | 107.9 |
| 37.5° | 84.5 |
| 40° | 64.1 |
| 42.5° | 47.3 |
| 45° | 33.1 |
| 47.5° | 22.4 |
| 50° | 16.3 |
| 52.5° | 13.7 |
| 55° | 12.2 |
| 57.5° | 10.7 |
| 60° | 9.2 |
| 62.5° | 8.1 |
| 65° | 7.1 |
| 67.5° | 6.1 |
| 70° | 5.1 |
| 72.5° | 4.1 |
| 75° | 3.6 |
| 77.5° | 2.5 |
| 80° | 2.0 |
| 82.5° | 1.5 |
| 85° | 1.0 |
| 87.5° | 0.5 |
| 90° | 0.0 |

(END OF REPORT)