

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: P1271745

Luminaire Tested: P3AS09R559827DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R559827DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

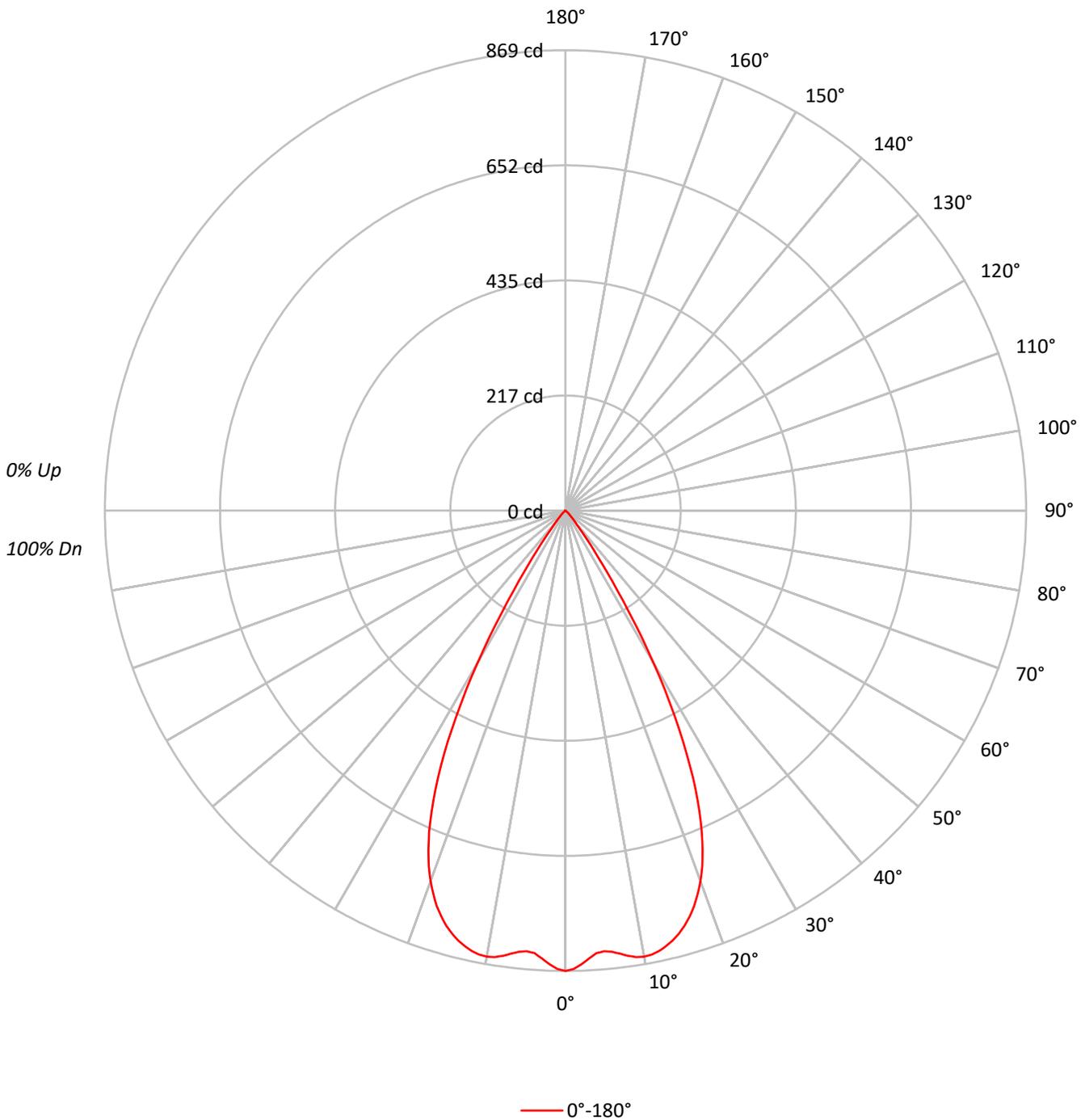
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 656.9 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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 | | | | |
| 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 | 100 | 100 |
| 1 | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 95 | 95 | 95 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | 89 | 89 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 90 | 95 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 84 | 84 | 84 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 79 | 79 | 79 | 79 |
| 5 | 95 | 88 | 83 | 79 | 94 | 87 | 82 | 78 | 85 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 75 | 75 | 75 | 75 |
| 6 | 91 | 83 | 78 | 74 | 90 | 82 | 77 | 74 | 81 | 76 | 73 | 80 | 76 | 73 | 78 | 75 | 72 | 71 | 71 | 71 | 71 |
| 7 | 87 | 79 | 73 | 70 | 86 | 78 | 73 | 69 | 77 | 72 | 69 | 76 | 72 | 69 | 75 | 71 | 68 | 67 | 67 | 67 | 67 |
| 8 | 83 | 75 | 69 | 66 | 82 | 74 | 69 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 71 | 68 | 65 | 63 | 63 | 63 | 63 |
| 9 | 80 | 71 | 66 | 62 | 79 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 64 | 61 | 60 | 60 | 60 | 60 |
| 10 | 77 | 68 | 62 | 59 | 76 | 67 | 62 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 65 | 61 | 58 | 57 | 57 | 57 | 57 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 190533 |
| 5° | 183777 |
| 10° | 190355 |
| 15° | 187674 |
| 20° | 173685 |
| 25° | 140476 |
| 30° | 84190 |
| 35° | 28536 |
| 40° | 7872 |
| 45° | 3473 |
| 50° | 1023 |
| 55° | 191 |
| 60° | 88 |
| 65° | 104 |
| 70° | 128 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3473 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 80.8 | 12.3 |
| 10°-20° | 230.2 | 35.0 |
| 20°-30° | 255.8 | 38.9 |
| 30°-40° | 79.6 | 12.1 |
| 40°-50° | 9.6 | 1.5 |
| 50°-60° | 0.7 | 0.1 |
| 60°-70° | 0.2 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 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° | 566.8 | 86.3 |
| 0°-40° | 646.4 | 98.4 |
| 0°-60° | 656.7 | 100.0 |
| 0°-90° | 656.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 656.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 869 | |
| 5° | 835 | 81 |
| 15° | 827 | 230 |
| 25° | 581 | 256 |
| 35° | 107 | 80 |
| 45° | 11 | 10 |
| 55° | 0 | 1 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 868.9 |
| 1° | 865.6 |
| 2° | 857.1 |
| 3° | 846.6 |
| 4° | 837.2 |
| 5° | 834.9 |
| 6° | 837.4 |
| 7° | 842.6 |
| 8° | 848.6 |
| 9° | 853.4 |
| 10° | 854.9 |
| 11° | 853.9 |
| 12° | 849.9 |
| 13° | 843.6 |
| 14° | 836.4 |
| 15° | 826.7 |
| 16° | 815.4 |
| 17° | 801.2 |
| 18° | 785.2 |
| 19° | 766.0 |
| 20° | 744.3 |
| 21° | 719.6 |
| 22° | 690.4 |
| 23° | 658.2 |
| 24° | 621.3 |
| 25° | 580.6 |
| 26° | 535.9 |
| 27° | 488.5 |
| 28° | 437.8 |
| 29° | 385.6 |
| 30° | 332.5 |
| 31° | 279.1 |
| 32° | 226.9 |
| 32.5° | 203.7 |
| 33° | 179.7 |
| 34° | 139.0 |
| 35° | 106.6 |
| 36° | 81.1 |
| 37° | 60.2 |
| 37.5° | 51.4 |
| 38° | 44.7 |
| 39° | 33.9 |
| 40° | 27.5 |
| 42.5° | 17.5 |
| 45° | 11.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 47.5° | 6.7 |
| 50° | 3.0 |
| 52.5° | 1.0 |
| 55° | 0.5 |
| 57.5° | 0.2 |
| 60° | 0.2 |
| 62.5° | 0.2 |
| 65° | 0.2 |
| 67.5° | 0.2 |
| 70° | 0.2 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)