

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: P1246773

Luminaire Tested: P3AS13R129024DE010 E3DL1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246773
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: P3AS13R129024DE010 E3DL1H
Description: 3in Adjustable LED luminaire with, R12 optic, 2400K CCT AND, 90CRI , E3DL1H TRIM
Light Source: -
Ballast/Driver: -

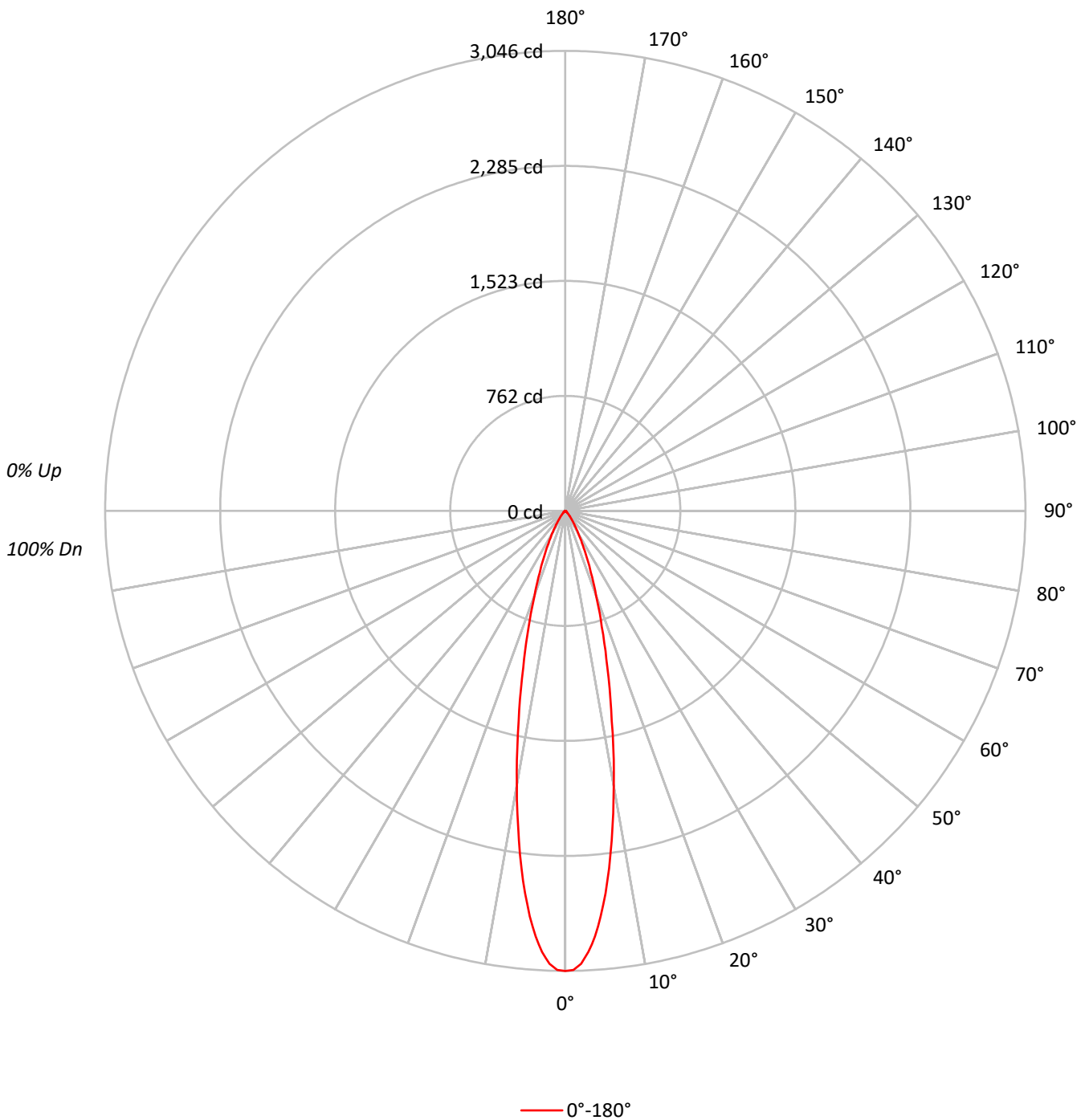
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 782.0 lumens
Efficiency: N/A
Efficacy: 50.5 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): 15.5
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 | 99 | 98 | 97 | 95 |
| 1 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 95 | 94 | 93 | 91 | 91 |
| 2 | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99 | 101 | 99 | 97 | 98 | 96 | 95 | 96 | 94 | 93 | 91 | 92 | 90 | 88 | 87 |
| 3 | 106 | 101 | 97 | 93 | 104 | 99 | 96 | 93 | 97 | 94 | 91 | 94 | 92 | 90 | 92 | 90 | 88 | 87 | 92 | 90 | 88 | 87 |
| 4 | 102 | 96 | 92 | 88 | 100 | 95 | 91 | 88 | 93 | 89 | 87 | 91 | 88 | 86 | 89 | 87 | 85 | 83 | 89 | 87 | 85 | 83 |
| 5 | 98 | 92 | 87 | 84 | 97 | 91 | 87 | 83 | 89 | 85 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 80 | 86 | 83 | 81 | 80 |
| 6 | 95 | 88 | 83 | 80 | 94 | 87 | 83 | 80 | 86 | 82 | 79 | 85 | 81 | 79 | 83 | 80 | 78 | 77 | 83 | 80 | 78 | 77 |
| 7 | 92 | 85 | 80 | 77 | 91 | 84 | 80 | 76 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 75 | 74 | 81 | 78 | 75 | 74 |
| 8 | 89 | 81 | 77 | 74 | 88 | 81 | 77 | 73 | 80 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 73 | 72 | 78 | 75 | 73 | 72 |
| 9 | 86 | 79 | 74 | 71 | 85 | 78 | 74 | 71 | 77 | 73 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 69 | 76 | 73 | 70 | 69 |
| 10 | 84 | 76 | 71 | 68 | 83 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 71 | 68 | 74 | 70 | 68 | 67 | 74 | 70 | 68 | 67 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 668039 |
| 5° | 592977 |
| 10° | 411794 |
| 15° | 243520 |
| 20° | 138705 |
| 25° | 79287 |
| 30° | 43880 |
| 35° | 23396 |
| 40° | 12939 |
| 45° | 7008 |
| 50° | 4367 |
| 55° | 3441 |
| 60° | 2982 |
| 65° | 2750 |
| 70° | 2436 |
| 75° | 2542 |
| 80° | 1894 |
| 85° | 2013 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7008 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 229.1 | 29.3 |
| 10°-20° | 302.3 | 38.7 |
| 20°-30° | 155.7 | 19.9 |
| 30°-40° | 58.5 | 7.5 |
| 40°-50° | 19.1 | 2.4 |
| 50°-60° | 8.2 | 1.0 |
| 60°-70° | 5.2 | 0.7 |
| 70°-80° | 3.1 | 0.4 |
| 80°-90° | 0.8 | 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° | 687.1 | 87.9 |
| 0°-40° | 745.5 | 95.3 |
| 0°-60° | 772.9 | 98.8 |
| 0°-90° | 782.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 782.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 3046 | |
| 5° | 2694 | 229 |
| 15° | 1073 | 302 |
| 25° | 328 | 156 |
| 35° | 87 | 58 |
| 45° | 23 | 19 |
| 55° | 9 | 8 |
| 65° | 5 | 5 |
| 75° | 3 | 3 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 3046.5 |
| 1° | 3040.4 |
| 2° | 3000.5 |
| 3° | 2924.4 |
| 4° | 2824.2 |
| 5° | 2693.9 |
| 6° | 2546.3 |
| 7° | 2384.3 |
| 8° | 2204.3 |
| 9° | 2026.5 |
| 10° | 1849.4 |
| 12.5° | 1423.0 |
| 15° | 1072.7 |
| 17.5° | 803.1 |
| 20° | 594.4 |
| 22.5° | 443.7 |
| 25° | 327.7 |
| 27.5° | 238.8 |
| 30° | 173.3 |
| 32.5° | 122.8 |
| 35° | 87.4 |
| 37.5° | 62.5 |
| 40° | 45.2 |
| 42.5° | 32.4 |
| 45° | 22.6 |
| 47.5° | 16.6 |
| 50° | 12.8 |
| 52.5° | 10.5 |
| 55° | 9.0 |
| 57.5° | 7.5 |
| 60° | 6.8 |
| 62.5° | 6.0 |
| 65° | 5.3 |
| 67.5° | 4.5 |
| 70° | 3.8 |
| 72.5° | 3.8 |
| 75° | 3.0 |
| 77.5° | 2.3 |
| 80° | 1.5 |
| 82.5° | 1.5 |
| 85° | 0.8 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)