

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: P1295901

Luminaire Tested: P3AS13R20W2N902765DE010 E3DLD1LI_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R20W2N902765DE010 E3DLD1LI_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

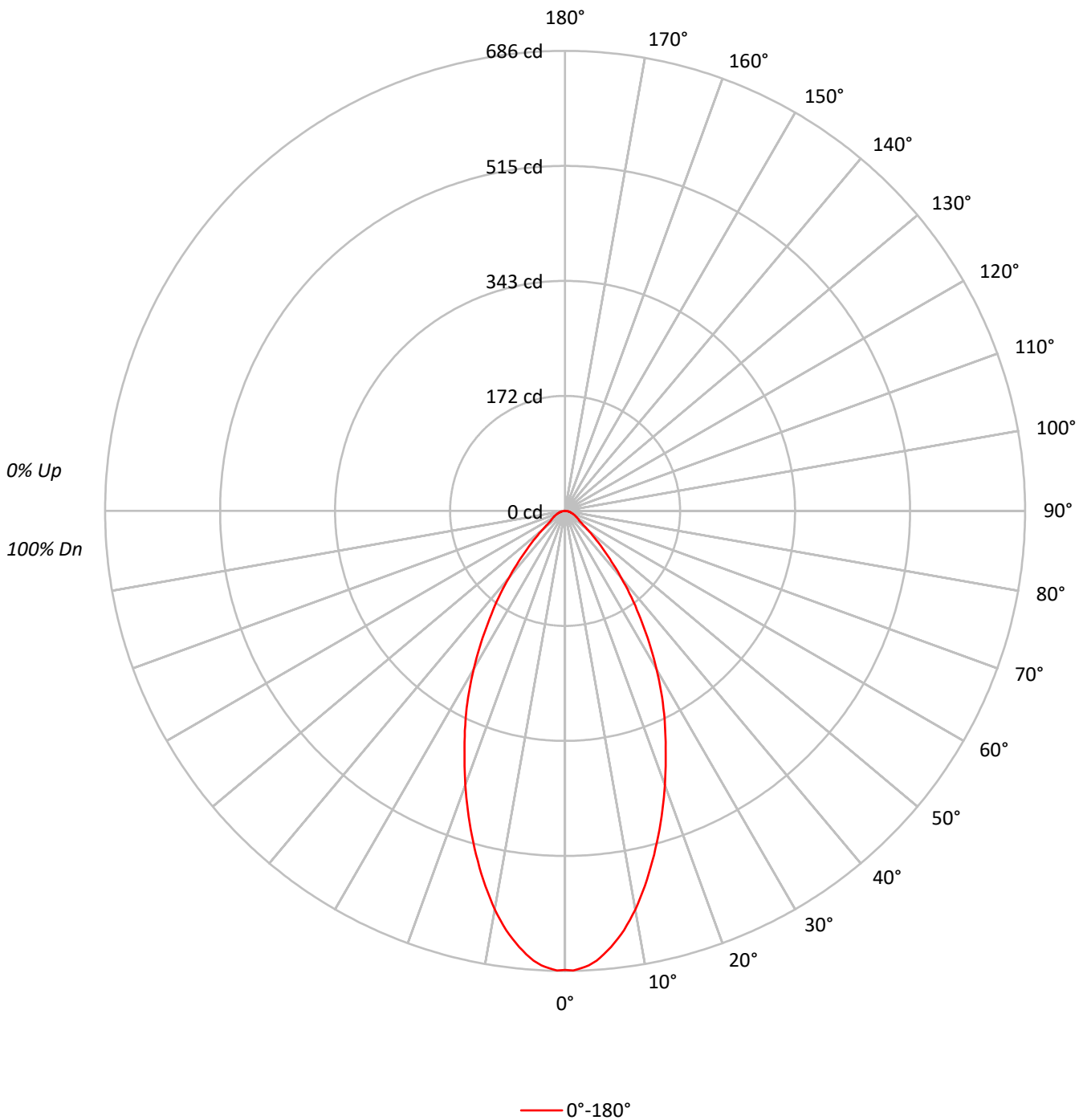
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 607.0 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 113 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 91 | | |
| 2 | 106 | 100 | 96 | 92 | 104 | 99 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 90 | 87 | 85 | 83 | | |
| 3 | 100 | 93 | 87 | 82 | 98 | 91 | 86 | 82 | 88 | 84 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 76 | | |
| 4 | 94 | 86 | 79 | 75 | 92 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 76 | 72 | 78 | 75 | 72 | 70 | | |
| 5 | 89 | 80 | 73 | 68 | 87 | 79 | 73 | 68 | 77 | 71 | 67 | 75 | 70 | 67 | 73 | 69 | 66 | 65 | | |
| 6 | 84 | 74 | 68 | 63 | 82 | 73 | 67 | 63 | 72 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 61 | 60 | | |
| 7 | 80 | 69 | 63 | 58 | 78 | 69 | 62 | 58 | 67 | 62 | 58 | 66 | 61 | 57 | 65 | 60 | 57 | 55 | | |
| 8 | 75 | 65 | 59 | 54 | 74 | 64 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 53 | 61 | 57 | 53 | 52 | | |
| 9 | 72 | 61 | 55 | 50 | 70 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 48 | | |
| 10 | 68 | 58 | 51 | 47 | 67 | 57 | 51 | 47 | 56 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 47 | 45 | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 150141 |
| 5° | 146137 |
| 10° | 134422 |
| 15° | 118321 |
| 20° | 101485 |
| 25° | 85263 |
| 30° | 68922 |
| 35° | 52414 |
| 40° | 37298 |
| 45° | 24623 |
| 50° | 15249 |
| 55° | 10016 |
| 60° | 9122 |
| 65° | 8406 |
| 70° | 7886 |
| 75° | 7202 |
| 80° | 6819 |
| 85° | 5787 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24623 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 61.4 | 10.1 |
| 10°-20° | 145.1 | 23.9 |
| 20°-30° | 161.1 | 26.5 |
| 30°-40° | 122.9 | 20.2 |
| 40°-50° | 62.9 | 10.4 |
| 50°-60° | 25.8 | 4.3 |
| 60°-70° | 16.1 | 2.7 |
| 70°-80° | 9.0 | 1.5 |
| 80°-90° | 2.6 | 0.4 |
| 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° | 367.6 | 60.6 |
| 0°-40° | 490.5 | 80.8 |
| 0°-60° | 579.2 | 95.4 |
| 0°-90° | 607.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 607.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 685 | |
| 5° | 664 | 61 |
| 15° | 521 | 145 |
| 25° | 352 | 161 |
| 35° | 196 | 123 |
| 45° | 79 | 63 |
| 55° | 26 | 26 |
| 65° | 16 | 16 |
| 75° | 8 | 9 |
| 85° | 2 | 3 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 684.7 |
| 1° | 685.5 |
| 2° | 682.4 |
| 3° | 678.5 |
| 4° | 672.4 |
| 5° | 663.9 |
| 6° | 653.9 |
| 7° | 643.1 |
| 8° | 631.5 |
| 9° | 617.6 |
| 10° | 603.7 |
| 12.5° | 563.6 |
| 15° | 521.2 |
| 17.5° | 478.1 |
| 20° | 434.9 |
| 22.5° | 391.7 |
| 25° | 352.4 |
| 27.5° | 313.1 |
| 30° | 272.2 |
| 32.5° | 233.6 |
| 35° | 195.8 |
| 37.5° | 162.7 |
| 40° | 130.3 |
| 42.5° | 102.6 |
| 45° | 79.4 |
| 47.5° | 60.1 |
| 50° | 44.7 |
| 52.5° | 33.2 |
| 55° | 26.2 |
| 57.5° | 23.9 |
| 60° | 20.8 |
| 62.5° | 18.5 |
| 65° | 16.2 |
| 67.5° | 13.9 |
| 70° | 12.3 |
| 72.5° | 10.0 |
| 75° | 8.5 |
| 77.5° | 6.9 |
| 80° | 5.4 |
| 82.5° | 3.9 |
| 85° | 2.3 |
| 87.5° | 0.8 |
| 90° | 0.0 |

(END OF REPORT)