

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: P1297972

Luminaire Tested: P3AS13R55W2N902750DE010 E3DLD1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R55W2N902750DE010 E3DLD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI ,
E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

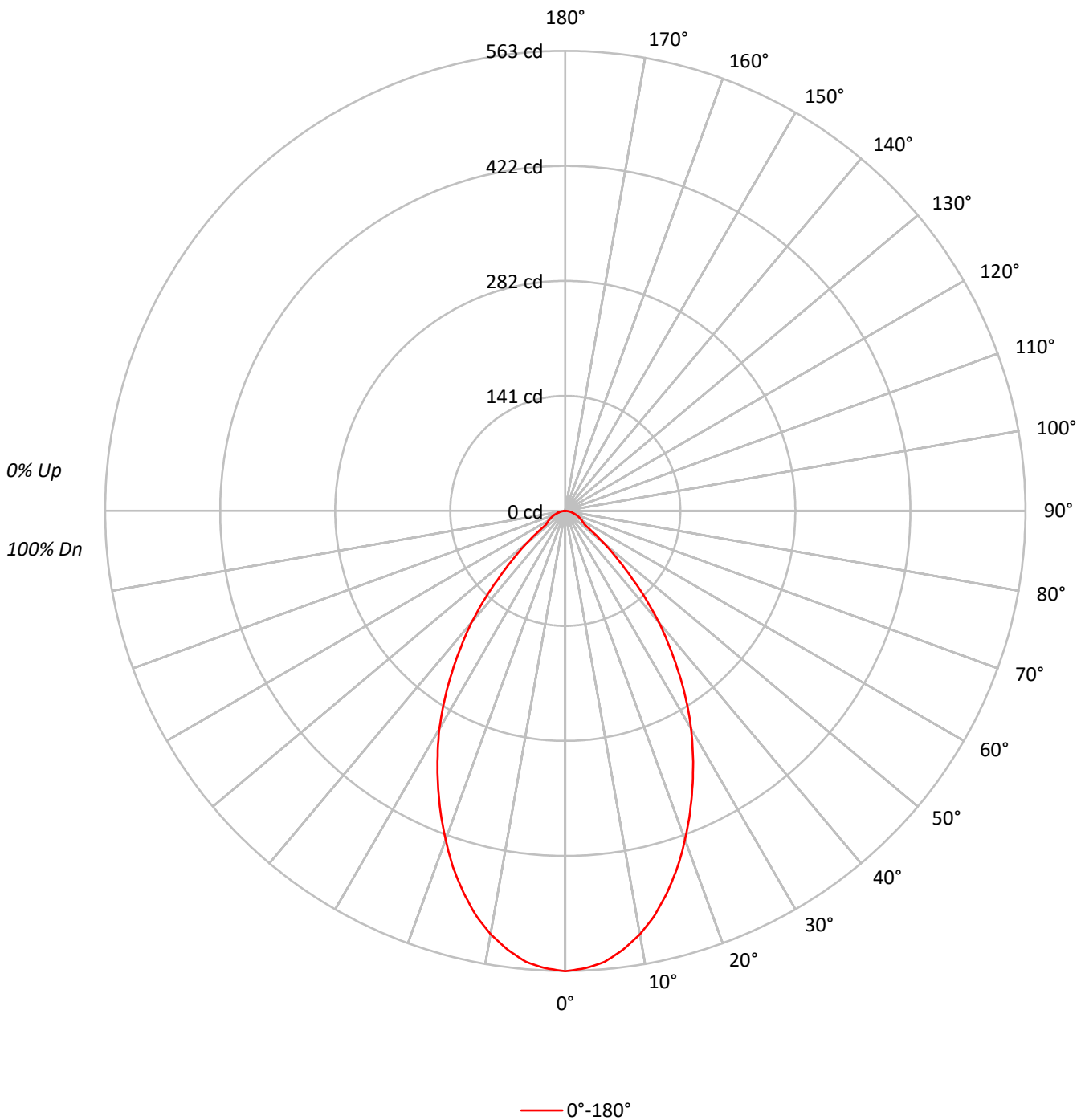
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 657.0 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 93 | 91 |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 82 |
| 3 | 99 | 91 | 85 | 81 | 97 | 90 | 84 | 80 | 87 | 82 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 74 |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 71 | 66 | 85 | 76 | 70 | 65 | 75 | 69 | 65 | 73 | 68 | 64 | 71 | 67 | 64 | 62 |
| 6 | 82 | 72 | 65 | 60 | 80 | 71 | 64 | 60 | 69 | 64 | 59 | 68 | 63 | 59 | 66 | 62 | 58 | 57 |
| 7 | 77 | 67 | 60 | 55 | 76 | 66 | 59 | 55 | 65 | 59 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 52 |
| 8 | 73 | 62 | 55 | 51 | 72 | 62 | 55 | 51 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 48 |
| 9 | 69 | 58 | 51 | 47 | 68 | 58 | 51 | 47 | 57 | 51 | 47 | 56 | 50 | 46 | 55 | 50 | 46 | 45 |
| 10 | 65 | 55 | 48 | 44 | 64 | 54 | 48 | 44 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 47 | 43 | 42 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 123543 |
| 5° | 121946 |
| 10° | 117143 |
| 15° | 109581 |
| 20° | 99945 |
| 25° | 89183 |
| 30° | 78012 |
| 35° | 64808 |
| 40° | 51096 |
| 45° | 34639 |
| 50° | 21185 |
| 55° | 10972 |
| 60° | 10218 |
| 65° | 9651 |
| 70° | 8976 |
| 75° | 7879 |
| 80° | 7829 |
| 85° | 5787 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34639 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.0 | 7.9 |
| 10°-20° | 134.9 | 20.5 |
| 20°-30° | 168.9 | 25.7 |
| 30°-40° | 150.8 | 23.0 |
| 40°-50° | 88.3 | 13.4 |
| 50°-60° | 30.5 | 4.6 |
| 60°-70° | 18.4 | 2.8 |
| 70°-80° | 10.2 | 1.6 |
| 80°-90° | 3.0 | 0.5 |
| 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° | 355.8 | 54.1 |
| 0°-40° | 506.6 | 77.1 |
| 0°-60° | 625.4 | 95.2 |
| 0°-90° | 657.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 657.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 563 | |
| 5° | 554 | 52 |
| 15° | 483 | 135 |
| 25° | 369 | 169 |
| 35° | 242 | 151 |
| 45° | 112 | 88 |
| 55° | 29 | 31 |
| 65° | 19 | 18 |
| 75° | 9 | 10 |
| 85° | 2 | 3 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 563.4 |
| 2.5° | 560.3 |
| 5° | 554.0 |
| 7.5° | 541.6 |
| 10° | 526.1 |
| 12.5° | 506.7 |
| 15° | 482.7 |
| 17.5° | 457.0 |
| 20° | 428.3 |
| 22.5° | 398.8 |
| 25° | 368.6 |
| 27.5° | 338.3 |
| 30° | 308.1 |
| 32.5° | 275.5 |
| 35° | 242.1 |
| 37.5° | 209.5 |
| 40° | 178.5 |
| 42.5° | 145.1 |
| 45° | 111.7 |
| 47.5° | 85.4 |
| 50° | 62.1 |
| 52.5° | 40.4 |
| 55° | 28.7 |
| 57.5° | 25.6 |
| 60° | 23.3 |
| 62.5° | 21.0 |
| 65° | 18.6 |
| 67.5° | 16.3 |
| 70° | 14.0 |
| 72.5° | 11.6 |
| 75° | 9.3 |
| 77.5° | 7.8 |
| 80° | 6.2 |
| 82.5° | 3.9 |
| 85° | 2.3 |
| 87.5° | 1.6 |
| 90° | 0.0 |

(END OF REPORT)