

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: P1296097

Luminaire Tested: P3AS13R25W2N902750DE010 E3PHLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R25W2N902750DE010 E3PHLD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

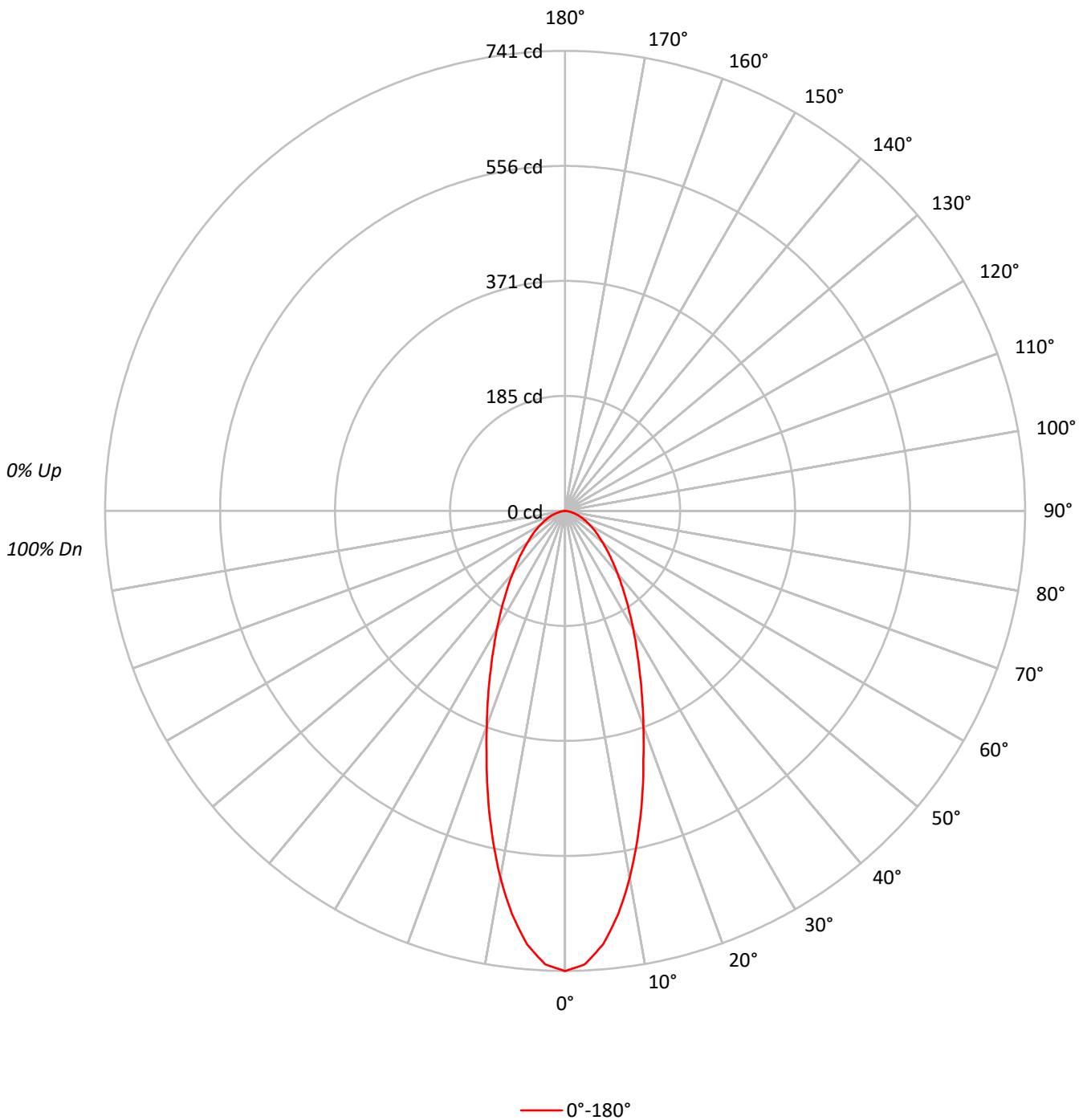
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 623.0 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.71
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 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 95 | 93 | 92 | 90 |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 80 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 83 | 78 | 75 | 80 | 77 | 74 | 72 |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 74 | 69 | 78 | 73 | 69 | 76 | 72 | 68 | 74 | 70 | 67 | 65 |
| 5 | 86 | 76 | 68 | 63 | 84 | 75 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 62 | 69 | 65 | 61 | 59 |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 57 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 55 |
| 7 | 76 | 65 | 58 | 53 | 75 | 64 | 58 | 53 | 63 | 57 | 53 | 62 | 56 | 52 | 61 | 56 | 52 | 50 |
| 8 | 72 | 61 | 54 | 49 | 71 | 60 | 54 | 49 | 59 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 48 | 47 |
| 9 | 68 | 57 | 50 | 46 | 67 | 57 | 50 | 46 | 56 | 50 | 46 | 55 | 49 | 45 | 54 | 49 | 45 | 44 |
| 10 | 65 | 54 | 47 | 43 | 64 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 46 | 43 | 51 | 46 | 42 | 41 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 162553 |
| 5° | 154303 |
| 10° | 133643 |
| 15° | 108809 |
| 20° | 85967 |
| 25° | 68544 |
| 30° | 55578 |
| 35° | 45267 |
| 40° | 37499 |
| 45° | 31600 |
| 50° | 26745 |
| 55° | 23550 |
| 60° | 20612 |
| 65° | 18005 |
| 70° | 15772 |
| 75° | 13302 |
| 80° | 9850 |
| 85° | 5535 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31600 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.7 | 10.2 |
| 10°-20° | 132.9 | 21.3 |
| 20°-30° | 131.0 | 21.0 |
| 30°-40° | 106.6 | 17.1 |
| 40°-50° | 79.1 | 12.7 |
| 50°-60° | 55.2 | 8.9 |
| 60°-70° | 34.6 | 5.6 |
| 70°-80° | 16.7 | 2.7 |
| 80°-90° | 3.2 | 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° | 327.5 | 52.6 |
| 0°-40° | 434.2 | 69.7 |
| 0°-60° | 568.5 | 91.3 |
| 0°-90° | 623.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 623.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 741 | |
| 5° | 701 | 64 |
| 15° | 479 | 133 |
| 25° | 283 | 131 |
| 35° | 169 | 107 |
| 45° | 102 | 79 |
| 55° | 62 | 55 |
| 65° | 35 | 35 |
| 75° | 16 | 17 |
| 85° | 2 | 3 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 741.3 |
| 2.5° | 731.2 |
| 5° | 701.0 |
| 7.5° | 655.1 |
| 10° | 600.2 |
| 12.5° | 539.7 |
| 15° | 479.3 |
| 17.5° | 419.9 |
| 20° | 368.4 |
| 22.5° | 323.6 |
| 25° | 283.3 |
| 27.5° | 248.6 |
| 30° | 219.5 |
| 32.5° | 192.6 |
| 35° | 169.1 |
| 37.5° | 148.9 |
| 40° | 131.0 |
| 42.5° | 115.3 |
| 45° | 101.9 |
| 47.5° | 89.6 |
| 50° | 78.4 |
| 52.5° | 69.4 |
| 55° | 61.6 |
| 57.5° | 53.8 |
| 60° | 47.0 |
| 62.5° | 40.3 |
| 65° | 34.7 |
| 67.5° | 29.1 |
| 70° | 24.6 |
| 72.5° | 20.2 |
| 75° | 15.7 |
| 77.5° | 11.2 |
| 80° | 7.8 |
| 82.5° | 4.5 |
| 85° | 2.2 |
| 87.5° | 1.1 |
| 90° | 0.0 |

(END OF REPORT)