

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: P1292302

Luminaire Tested: P3A09R25W2N902750DE010 E3PHLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292302
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: P3A09R25W2N902750DE010 E3PHLD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

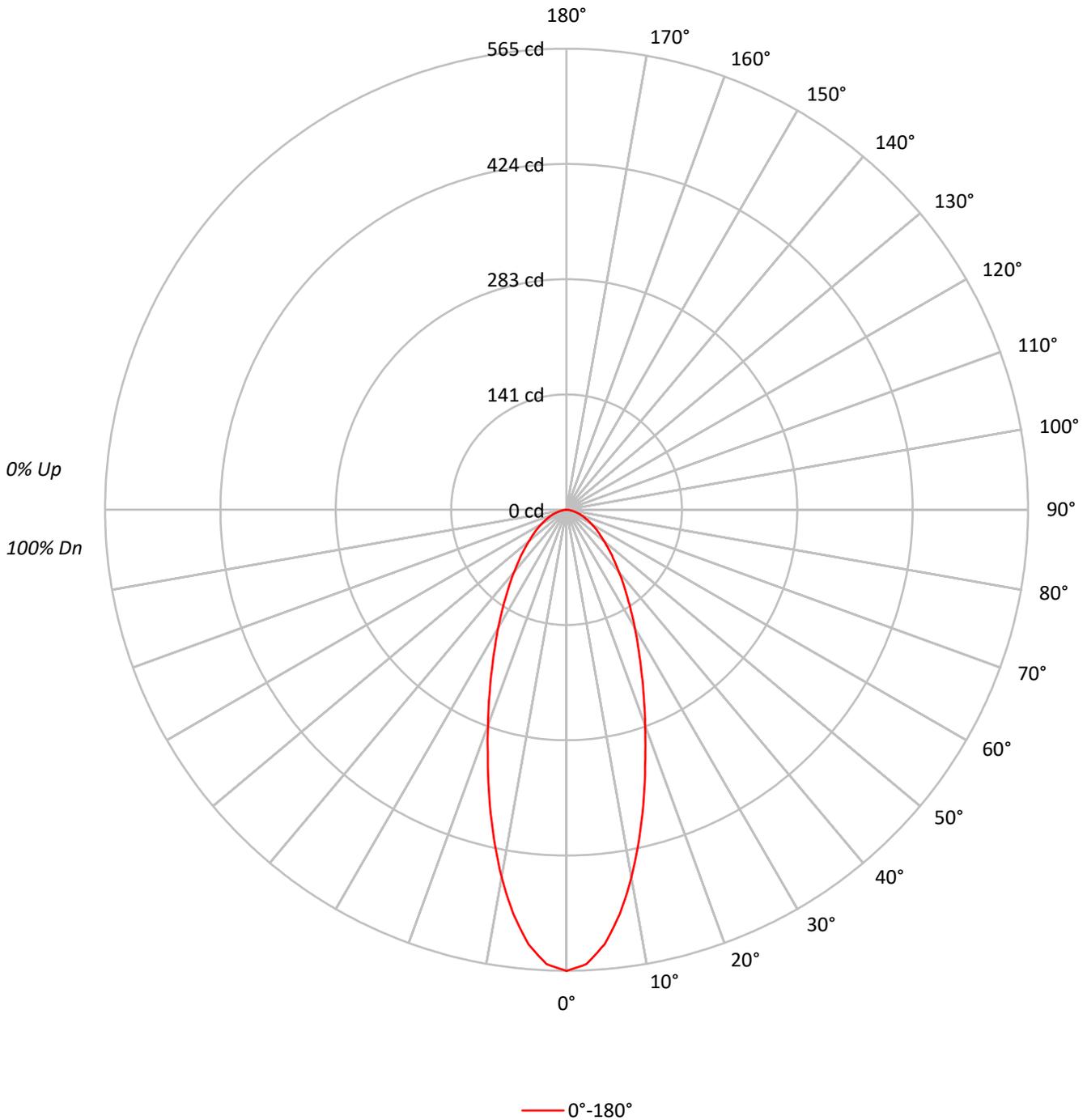
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 475.0 lumens
Efficiency: N/A
Efficacy: 52.8 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): 9
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 | 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° | 123937 |
| 5° | 117653 |
| 10° | 101891 |
| 15° | 82952 |
| 20° | 65549 |
| 25° | 52261 |
| 30° | 42361 |
| 35° | 34506 |
| 40° | 28596 |
| 45° | 24096 |
| 50° | 20400 |
| 55° | 17968 |
| 60° | 15744 |
| 65° | 13750 |
| 70° | 12053 |
| 75° | 10167 |
| 80° | 7577 |
| 85° | 4277 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24096 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 48.5 | 10.2 |
| 10°-20° | 101.3 | 21.3 |
| 20°-30° | 99.9 | 21.0 |
| 30°-40° | 81.3 | 17.1 |
| 40°-50° | 60.3 | 12.7 |
| 50°-60° | 42.1 | 8.9 |
| 60°-70° | 26.4 | 5.6 |
| 70°-80° | 12.7 | 2.7 |
| 80°-90° | 2.4 | 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° | 249.7 | 52.6 |
| 0°-40° | 331.0 | 69.7 |
| 0°-60° | 433.5 | 91.3 |
| 0°-90° | 475.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 475.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 565 | |
| 5° | 534 | 49 |
| 15° | 365 | 101 |
| 25° | 216 | 100 |
| 35° | 129 | 81 |
| 45° | 78 | 60 |
| 55° | 47 | 42 |
| 65° | 26 | 26 |
| 75° | 12 | 13 |
| 85° | 2 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 565.2 |
| 2.5° | 557.5 |
| 5° | 534.5 |
| 7.5° | 499.5 |
| 10° | 457.6 |
| 12.5° | 411.5 |
| 15° | 365.4 |
| 17.5° | 320.2 |
| 20° | 280.9 |
| 22.5° | 246.7 |
| 25° | 216.0 |
| 27.5° | 189.5 |
| 30° | 167.3 |
| 32.5° | 146.8 |
| 35° | 128.9 |
| 37.5° | 113.6 |
| 40° | 99.9 |
| 42.5° | 87.9 |
| 45° | 77.7 |
| 47.5° | 68.3 |
| 50° | 59.8 |
| 52.5° | 52.9 |
| 55° | 47.0 |
| 57.5° | 41.0 |
| 60° | 35.9 |
| 62.5° | 30.7 |
| 65° | 26.5 |
| 67.5° | 22.2 |
| 70° | 18.8 |
| 72.5° | 15.4 |
| 75° | 12.0 |
| 77.5° | 8.5 |
| 80° | 6.0 |
| 82.5° | 3.4 |
| 85° | 1.7 |
| 87.5° | 0.9 |
| 90° | 0.0 |

(END OF REPORT)