

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: P1299255

Luminaire Tested: P3A17R15W2N902750DE010 E3PHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R15W2N902750DE010 E3PHLD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

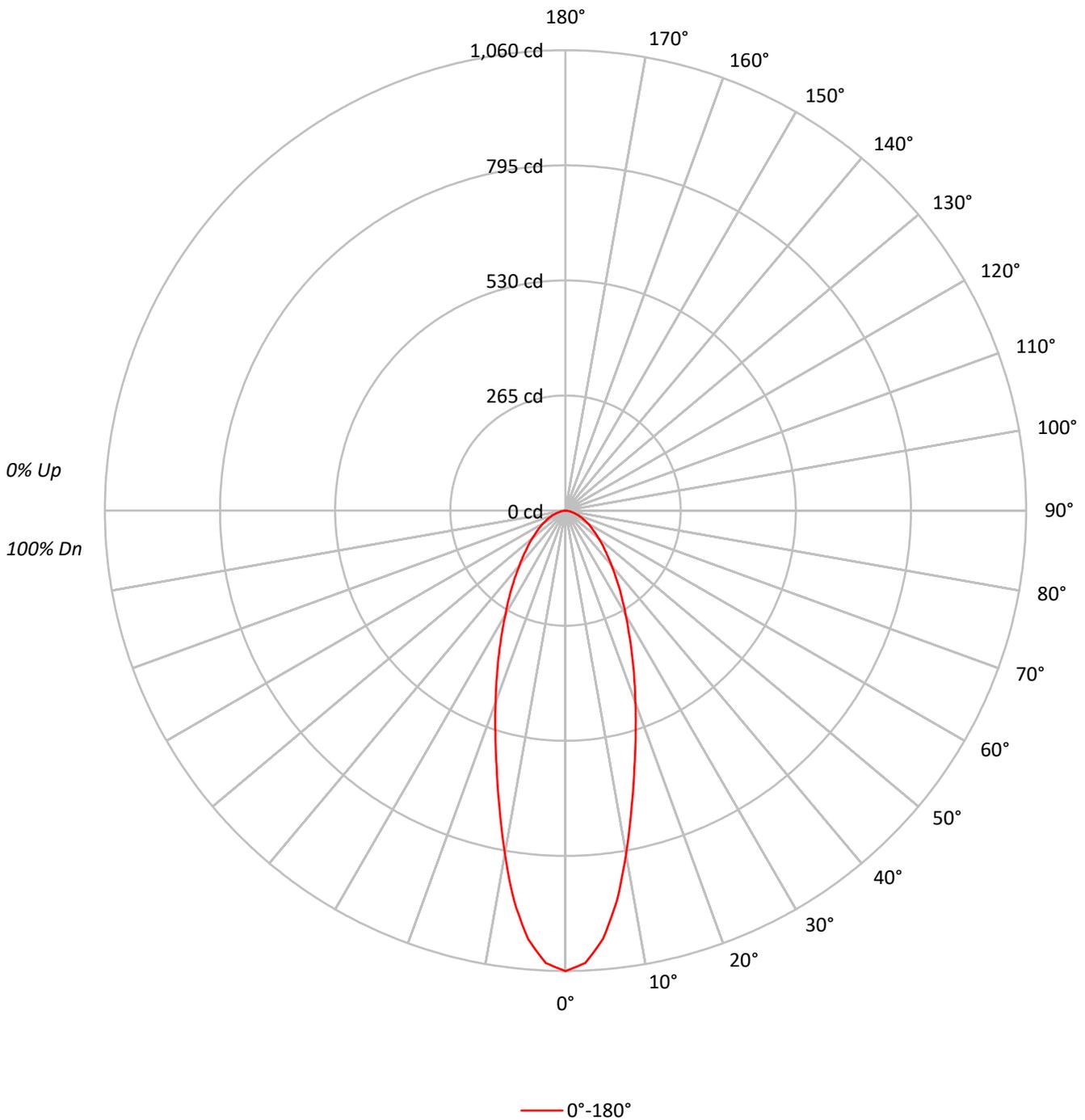
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 799.0 lumens
Efficiency: N/A
Efficacy: 41.2 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97 | 98 | 96 | 95 | 95 | 93 | 92 | 95 | 93 | 92 | 90 |
| 2 | 104 | 98 | 93 | 89 | 102 | 97 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 85 | 82 | 87 | 85 | 82 | 80 |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 85 | 81 | 77 | 83 | 79 | 75 | 81 | 77 | 74 | 81 | 77 | 74 | 72 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 75 | 71 | 67 | 66 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 70 | 65 | 62 | 70 | 65 | 62 | 60 |
| 6 | 81 | 71 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 65 | 60 | 57 | 55 |
| 7 | 77 | 66 | 59 | 54 | 75 | 65 | 58 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 61 | 56 | 53 | 51 |
| 8 | 72 | 61 | 55 | 50 | 71 | 61 | 54 | 50 | 60 | 54 | 49 | 59 | 53 | 49 | 58 | 53 | 49 | 58 | 53 | 49 | 47 |
| 9 | 69 | 58 | 51 | 47 | 68 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 46 | 54 | 49 | 46 | 44 |
| 10 | 65 | 54 | 48 | 44 | 64 | 54 | 48 | 44 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 47 | 43 | 52 | 47 | 43 | 42 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 232503 |
| 5° | 217961 |
| 10° | 178732 |
| 15° | 138866 |
| 20° | 109606 |
| 25° | 87344 |
| 30° | 70112 |
| 35° | 57233 |
| 40° | 47145 |
| 45° | 39663 |
| 50° | 34080 |
| 55° | 29476 |
| 60° | 26138 |
| 65° | 22726 |
| 70° | 20196 |
| 75° | 16352 |
| 80° | 13259 |
| 85° | 8806 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39663 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 88.4 | 11.1 |
| 10°-20° | 171.3 | 21.4 |
| 20°-30° | 166.5 | 20.8 |
| 30°-40° | 134.6 | 16.8 |
| 40°-50° | 99.9 | 12.5 |
| 50°-60° | 69.8 | 8.7 |
| 60°-70° | 43.7 | 5.5 |
| 70°-80° | 20.8 | 2.6 |
| 80°-90° | 3.8 | 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° | 426.3 | 53.4 |
| 0°-40° | 560.9 | 70.2 |
| 0°-60° | 730.6 | 91.4 |
| 0°-90° | 799.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 799.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1060 | |
| 5° | 990 | 88 |
| 15° | 612 | 171 |
| 25° | 361 | 167 |
| 35° | 214 | 135 |
| 45° | 128 | 100 |
| 55° | 77 | 70 |
| 65° | 44 | 44 |
| 75° | 19 | 21 |
| 85° | 4 | 4 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 1060.3 |
| 2.5° | 1042.8 |
| 5° | 990.2 |
| 7.5° | 906.1 |
| 10° | 802.7 |
| 12.5° | 701.1 |
| 15° | 611.7 |
| 17.5° | 536.3 |
| 20° | 469.7 |
| 22.5° | 411.9 |
| 25° | 361.0 |
| 27.5° | 315.5 |
| 30° | 276.9 |
| 32.5° | 243.6 |
| 35° | 213.8 |
| 37.5° | 187.5 |
| 40° | 164.7 |
| 42.5° | 145.5 |
| 45° | 127.9 |
| 47.5° | 113.9 |
| 50° | 99.9 |
| 52.5° | 87.6 |
| 55° | 77.1 |
| 57.5° | 68.4 |
| 60° | 59.6 |
| 62.5° | 50.8 |
| 65° | 43.8 |
| 67.5° | 36.8 |
| 70° | 31.5 |
| 72.5° | 24.5 |
| 75° | 19.3 |
| 77.5° | 14.0 |
| 80° | 10.5 |
| 82.5° | 5.3 |
| 85° | 3.5 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)