

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: P1291587

Luminaire Tested: P3A09R15W2N902750DE010 E3DL1WH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R15W2N902750DE010 E3DL1WH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

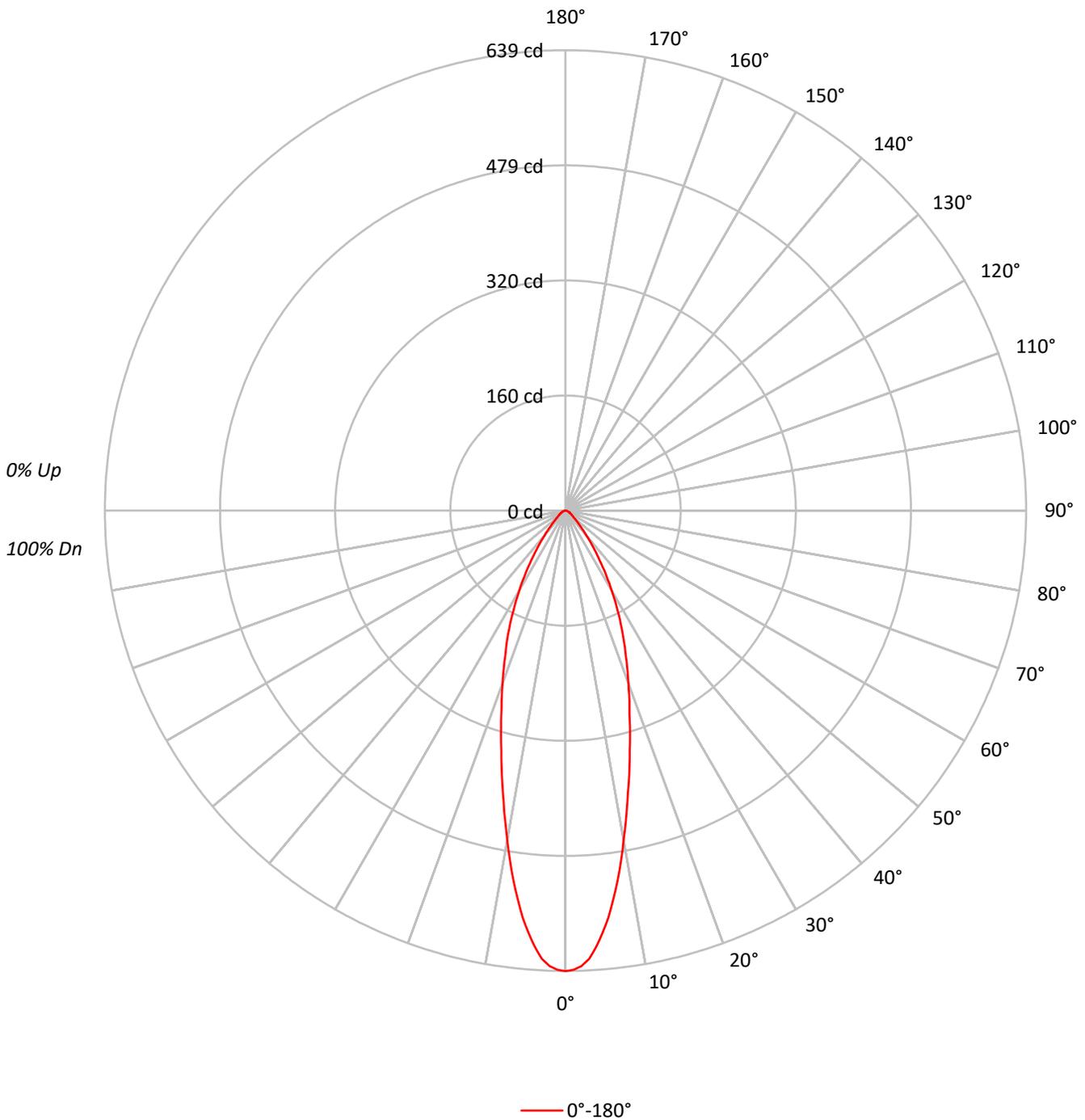
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 325.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1 | 113 | 110 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 95 | 93 | 93 | 93 | 93 |
| 2 | 108 | 103 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 92 | 95 | 92 | 90 | 92 | 90 | 88 | 86 | 86 | 86 | 86 |
| 3 | 102 | 96 | 91 | 87 | 100 | 94 | 90 | 86 | 92 | 88 | 85 | 89 | 86 | 83 | 87 | 84 | 82 | 80 | 80 | 80 | 80 |
| 4 | 97 | 90 | 84 | 80 | 95 | 88 | 83 | 79 | 86 | 82 | 78 | 84 | 81 | 78 | 82 | 79 | 77 | 75 | 75 | 75 | 75 |
| 5 | 93 | 84 | 78 | 74 | 91 | 83 | 78 | 74 | 81 | 77 | 73 | 80 | 76 | 72 | 78 | 75 | 72 | 70 | 70 | 70 | 70 |
| 6 | 88 | 79 | 73 | 69 | 87 | 79 | 73 | 69 | 77 | 72 | 69 | 76 | 71 | 68 | 74 | 71 | 68 | 66 | 66 | 66 | 66 |
| 7 | 84 | 75 | 69 | 65 | 83 | 74 | 69 | 65 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 64 | 62 | 62 | 62 | 62 |
| 8 | 80 | 71 | 65 | 61 | 79 | 71 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 67 | 63 | 60 | 59 | 59 | 59 | 59 |
| 9 | 77 | 68 | 62 | 58 | 76 | 67 | 62 | 58 | 66 | 61 | 58 | 65 | 61 | 57 | 64 | 60 | 57 | 56 | 56 | 56 | 56 |
| 10 | 74 | 64 | 59 | 55 | 73 | 64 | 59 | 55 | 63 | 58 | 55 | 62 | 58 | 55 | 62 | 57 | 54 | 53 | 53 | 53 | 53 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 140142 |
| 5° | 129540 |
| 10° | 103405 |
| 15° | 78116 |
| 20° | 59482 |
| 25° | 45341 |
| 30° | 32461 |
| 35° | 21201 |
| 40° | 12996 |
| 45° | 7846 |
| 50° | 5219 |
| 55° | 4052 |
| 60° | 3465 |
| 65° | 3009 |
| 70° | 2693 |
| 75° | 2711 |
| 80° | 2020 |
| 85° | 1258 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7846 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.1 | 16.0 |
| 10°-20° | 96.2 | 29.6 |
| 20°-30° | 85.6 | 26.3 |
| 30°-40° | 50.7 | 15.6 |
| 40°-50° | 20.8 | 6.4 |
| 50°-60° | 9.8 | 3.0 |
| 60°-70° | 5.9 | 1.8 |
| 70°-80° | 3.1 | 1.0 |
| 80°-90° | 0.8 | 0.2 |
| 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° | 233.9 | 72.0 |
| 0°-40° | 284.6 | 87.6 |
| 0°-60° | 315.2 | 97.0 |
| 0°-90° | 325.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 325.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 639 | |
| 5° | 588 | 52 |
| 15° | 344 | 96 |
| 25° | 187 | 86 |
| 35° | 79 | 51 |
| 45° | 25 | 21 |
| 55° | 11 | 10 |
| 65° | 6 | 6 |
| 75° | 3 | 3 |
| 85° | 0 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 639.1 |
| 1° | 637.5 |
| 2° | 632.8 |
| 3° | 623.3 |
| 4° | 607.5 |
| 5° | 588.5 |
| 6° | 567.9 |
| 7° | 543.6 |
| 8° | 518.3 |
| 9° | 492.4 |
| 10° | 464.4 |
| 12.5° | 400.6 |
| 15° | 344.1 |
| 17.5° | 295.5 |
| 20° | 254.9 |
| 22.5° | 219.0 |
| 25° | 187.4 |
| 27.5° | 156.7 |
| 30° | 128.2 |
| 32.5° | 102.4 |
| 35° | 79.2 |
| 37.5° | 60.7 |
| 40° | 45.4 |
| 42.5° | 33.8 |
| 45° | 25.3 |
| 47.5° | 19.5 |
| 50° | 15.3 |
| 52.5° | 12.7 |
| 55° | 10.6 |
| 57.5° | 9.0 |
| 60° | 7.9 |
| 62.5° | 6.9 |
| 65° | 5.8 |
| 67.5° | 5.3 |
| 70° | 4.2 |
| 72.5° | 3.7 |
| 75° | 3.2 |
| 77.5° | 2.1 |
| 80° | 1.6 |
| 82.5° | 1.1 |
| 85° | 0.5 |
| 87.5° | 0.5 |
| 90° | 0.0 |

(END OF REPORT)