

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: P1291559

Luminaire Tested: P3A09R15W2N902750DE010 E3D1WH_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R15W2N902750DE010 E3D1WH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI ,
E3D1WH TRIM
Light Source: -
Ballast/Driver: -

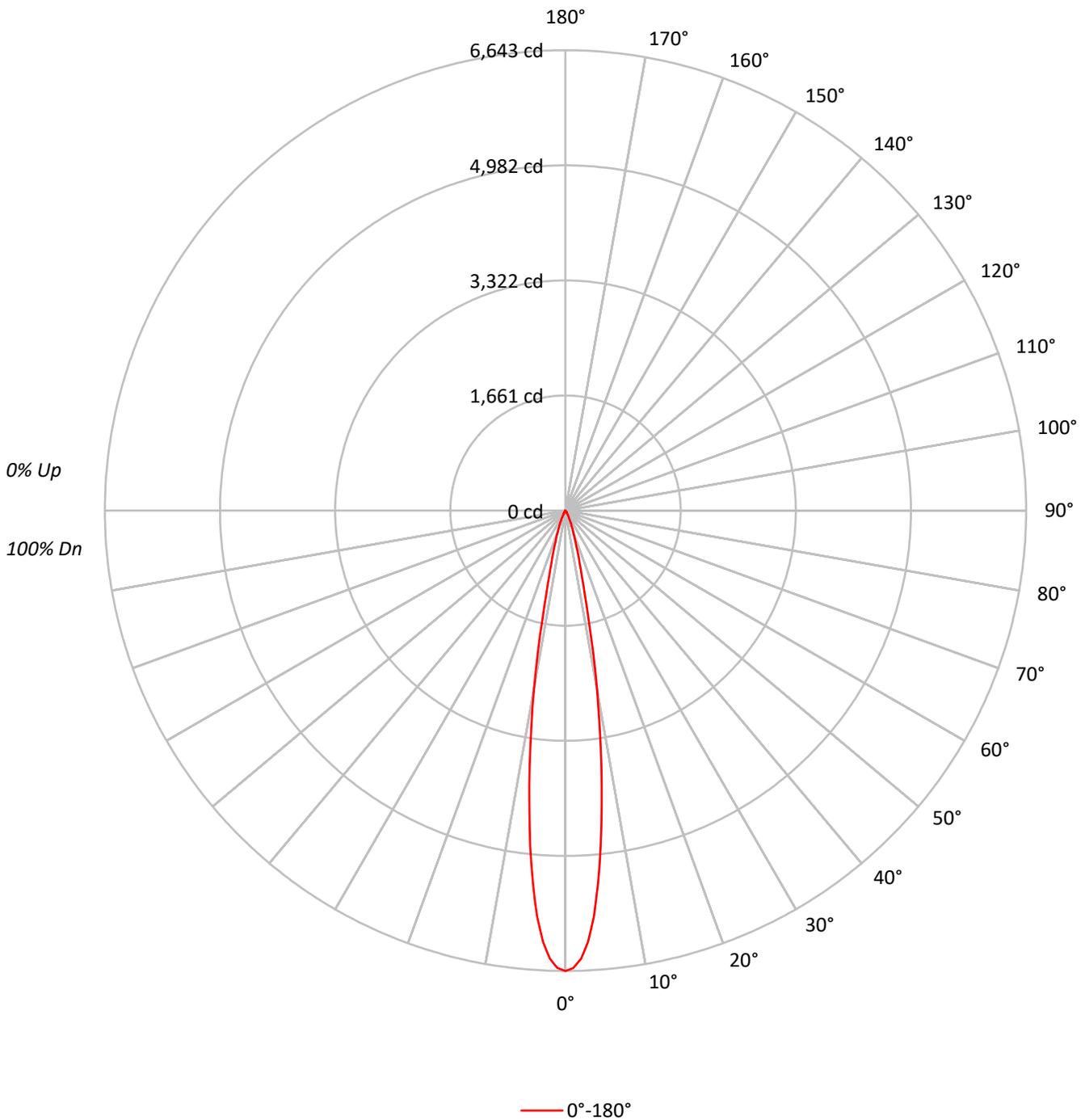
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 765.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
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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CATALOG NUMBER: P3A09R15W2N902750DE010 E3D1WH_3500K

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 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | | |
| 2 | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 | 102 | 100 | 99 | 99 | 98 | 97 | 96 | | |
| 3 | 110 | 106 | 102 | 100 | 108 | 104 | 102 | 99 | 102 | 100 | 98 | 100 | 98 | 96 | 98 | 96 | 95 | 94 | | |
| 4 | 107 | 102 | 99 | 96 | 105 | 101 | 98 | 96 | 99 | 97 | 95 | 98 | 96 | 94 | 96 | 94 | 93 | 92 | | |
| 5 | 105 | 100 | 96 | 94 | 103 | 99 | 96 | 93 | 97 | 94 | 92 | 96 | 93 | 92 | 94 | 93 | 91 | 90 | | |
| 6 | 102 | 97 | 94 | 91 | 101 | 96 | 93 | 91 | 95 | 92 | 90 | 94 | 92 | 90 | 93 | 91 | 89 | 88 | | |
| 7 | 100 | 95 | 91 | 89 | 99 | 94 | 91 | 89 | 93 | 90 | 88 | 92 | 90 | 88 | 91 | 89 | 88 | 87 | | |
| 8 | 98 | 93 | 89 | 87 | 97 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 86 | 90 | 88 | 86 | 85 | | |
| 9 | 96 | 91 | 88 | 85 | 96 | 91 | 87 | 85 | 90 | 87 | 85 | 89 | 87 | 85 | 88 | 86 | 85 | 84 | | |
| 10 | 95 | 89 | 86 | 84 | 94 | 89 | 86 | 84 | 88 | 85 | 83 | 88 | 85 | 83 | 87 | 85 | 83 | 82 | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 1456747 |
| 5° | 1187890 |
| 10° | 581753 |
| 15° | 178071 |
| 20° | 75397 |
| 25° | 34115 |
| 30° | 13293 |
| 35° | 6130 |
| 40° | 1918 |
| 45° | 713 |
| 50° | 307 |
| 55° | 115 |
| 60° | 132 |
| 65° | 156 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 713 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 420.1 | 54.9 |
| 10°-20° | 257.8 | 33.7 |
| 20°-30° | 69.2 | 9.0 |
| 30°-40° | 15.3 | 2.0 |
| 40°-50° | 2.2 | 0.3 |
| 50°-60° | 0.4 | 0.1 |
| 60°-70° | 0.2 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 747.1 | 97.6 |
| 0°-40° | 762.3 | 99.6 |
| 0°-60° | 764.9 | 100.0 |
| 0°-90° | 765.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 765.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 6643 | |
| 5° | 5397 | 420 |
| 15° | 784 | 258 |
| 25° | 141 | 69 |
| 35° | 23 | 15 |
| 45° | 2 | 2 |
| 55° | 0 | 0 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 6643.3 |
| 1° | 6601.9 |
| 2° | 6468.7 |
| 3° | 6228.8 |
| 4° | 5867.7 |
| 5° | 5396.6 |
| 6° | 4863.7 |
| 7° | 4270.2 |
| 8° | 3724.9 |
| 9° | 3146.8 |
| 10° | 2612.7 |
| 11° | 2084.2 |
| 12° | 1603.5 |
| 13° | 1233.4 |
| 14° | 976.4 |
| 15° | 784.4 |
| 17.5° | 486.2 |
| 20° | 323.1 |
| 22.5° | 217.6 |
| 25° | 141.0 |
| 27.5° | 83.5 |
| 30° | 52.5 |
| 32.5° | 35.4 |
| 35° | 22.9 |
| 37.5° | 12.8 |
| 40° | 6.7 |
| 42.5° | 3.8 |
| 45° | 2.3 |
| 47.5° | 1.5 |
| 50° | 0.9 |
| 52.5° | 0.6 |
| 55° | 0.3 |
| 57.5° | 0.3 |
| 60° | 0.3 |
| 62.5° | 0.3 |
| 65° | 0.3 |
| 67.5° | 0.0 |
| 70° | 0.0 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)