

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: P1292551

Luminaire Tested: P3A09R30W2N902750DE010 E3D1WH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R30W2N902750DE010 E3D1WH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
E3D1WH TRIM
Light Source: -
Ballast/Driver: -

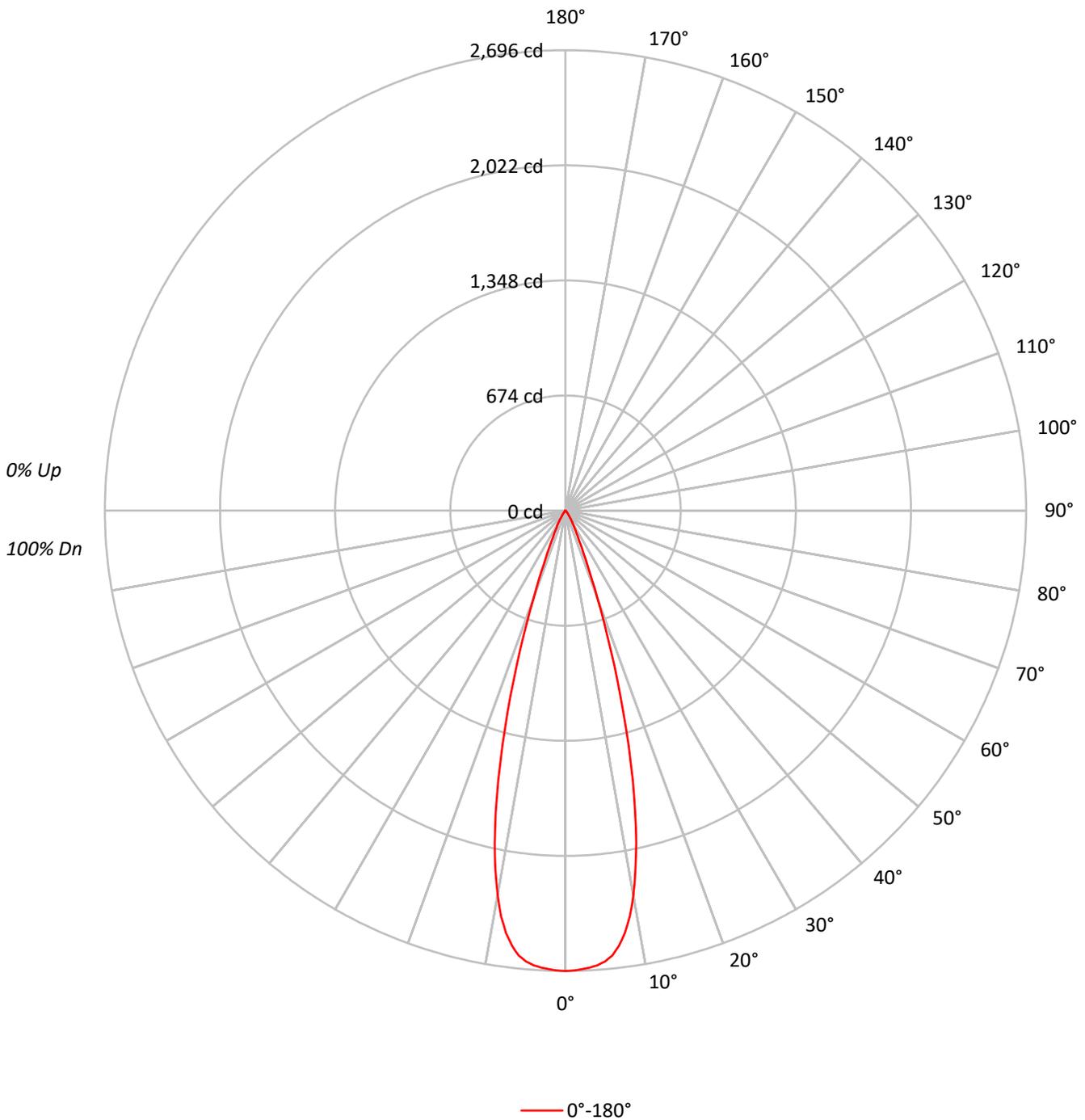
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 743.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
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

TEST NUMBER: P1292551
CATALOG NUMBER: P3A09R30W2N902750DE010 E3D1WH_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1292551

CATALOG NUMBER: P3A09R30W2N902750DE010 E3D1WH_5000K

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 | 99 | 98 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 95 | 94 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | 100 | 98 | 97 | 97 | 96 | 95 | 94 | 93 | 92 | 90 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 97 | 95 | 97 | 95 | 93 | 95 | 93 | 92 | 90 | 89 | 88 | 88 |
| 4 | 105 | 99 | 95 | 92 | 103 | 98 | 95 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 89 | 88 | 86 | 85 | 85 |
| 5 | 101 | 96 | 92 | 89 | 100 | 95 | 91 | 88 | 93 | 90 | 87 | 92 | 89 | 87 | 90 | 88 | 86 | 85 | 84 | 83 | 82 |
| 6 | 99 | 92 | 88 | 85 | 97 | 92 | 88 | 85 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | 81 | 80 | 80 |
| 7 | 96 | 89 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 80 | 79 | 78 | 78 |
| 8 | 93 | 87 | 83 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 84 | 81 | 79 | 78 | 77 | 76 | 76 |
| 9 | 91 | 84 | 80 | 77 | 90 | 84 | 80 | 77 | 83 | 79 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 | 75 | 74 | 74 |
| 10 | 88 | 82 | 78 | 75 | 88 | 81 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 80 | 77 | 75 | 74 | 73 | 72 | 72 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 591159 |
| 5° | 583446 |
| 10° | 509409 |
| 15° | 323770 |
| 20° | 128274 |
| 25° | 42849 |
| 30° | 19927 |
| 35° | 9021 |
| 40° | 3464 |
| 45° | 1706 |
| 50° | 478 |
| 55° | 229 |
| 60° | 132 |
| 65° | 156 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1706 cd/sqm



TEST NUMBER: P1292551

CATALOG NUMBER: P3A09R30W2N902750DE010 E3D1WH_5000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 242.3 | 32.6 |
| 10°-20° | 375.8 | 50.6 |
| 20°-30° | 96.9 | 13.0 |
| 30°-40° | 22.8 | 3.1 |
| 40°-50° | 4.5 | 0.6 |
| 50°-60° | 0.5 | 0.1 |
| 60°-70° | 0.3 | 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° | 715.0 | 96.2 |
| 0°-40° | 737.8 | 99.3 |
| 0°-60° | 742.8 | 100.0 |
| 0°-90° | 743.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 743.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2696 | |
| 5° | 2651 | 242 |
| 15° | 1426 | 376 |
| 25° | 177 | 97 |
| 35° | 34 | 23 |
| 45° | 6 | 4 |
| 55° | 1 | 1 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P1292551
CATALOG NUMBER: P3A09R30W2N902750DE010 E3D1WH_5000K

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 2695.9 |
| 1° | 2693.9 |
| 2° | 2687.5 |
| 3° | 2680.3 |
| 4° | 2669.6 |
| 5° | 2650.6 |
| 6° | 2619.7 |
| 7° | 2568.4 |
| 8° | 2498.3 |
| 9° | 2406.9 |
| 10° | 2287.8 |
| 11° | 2146.1 |
| 12° | 1991.6 |
| 13° | 1813.6 |
| 14° | 1627.3 |
| 15° | 1426.2 |
| 16° | 1229.3 |
| 17° | 1039.5 |
| 18° | 857.5 |
| 19° | 690.5 |
| 20° | 549.7 |
| 21° | 432.6 |
| 22° | 340.3 |
| 23° | 269.4 |
| 24° | 215.7 |
| 25° | 177.1 |
| 26° | 147.7 |
| 27° | 125.5 |
| 28° | 108.4 |
| 29° | 92.9 |
| 30° | 78.7 |
| 32.5° | 49.6 |
| 35° | 33.7 |
| 37.5° | 21.1 |
| 40° | 12.1 |
| 42.5° | 8.1 |
| 45° | 5.5 |
| 47.5° | 3.2 |
| 50° | 1.4 |
| 52.5° | 0.6 |
| 55° | 0.6 |
| 57.5° | 0.3 |
| 60° | 0.3 |
| 62.5° | 0.3 |
| 65° | 0.3 |



TEST NUMBER: P1292551
CATALOG NUMBER: P3A09R30W2N902750DE010 E3D1WH_5000K

CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 67.5° | 0.3 |
| 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 |
| 90° | 0.0 |

(END OF REPORT)