

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: P1299153

Luminaire Tested: P3A17R15W2N902750DE010 E3D1WMH_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299153
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: P3A17R15W2N902750DE010 E3D1WMH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

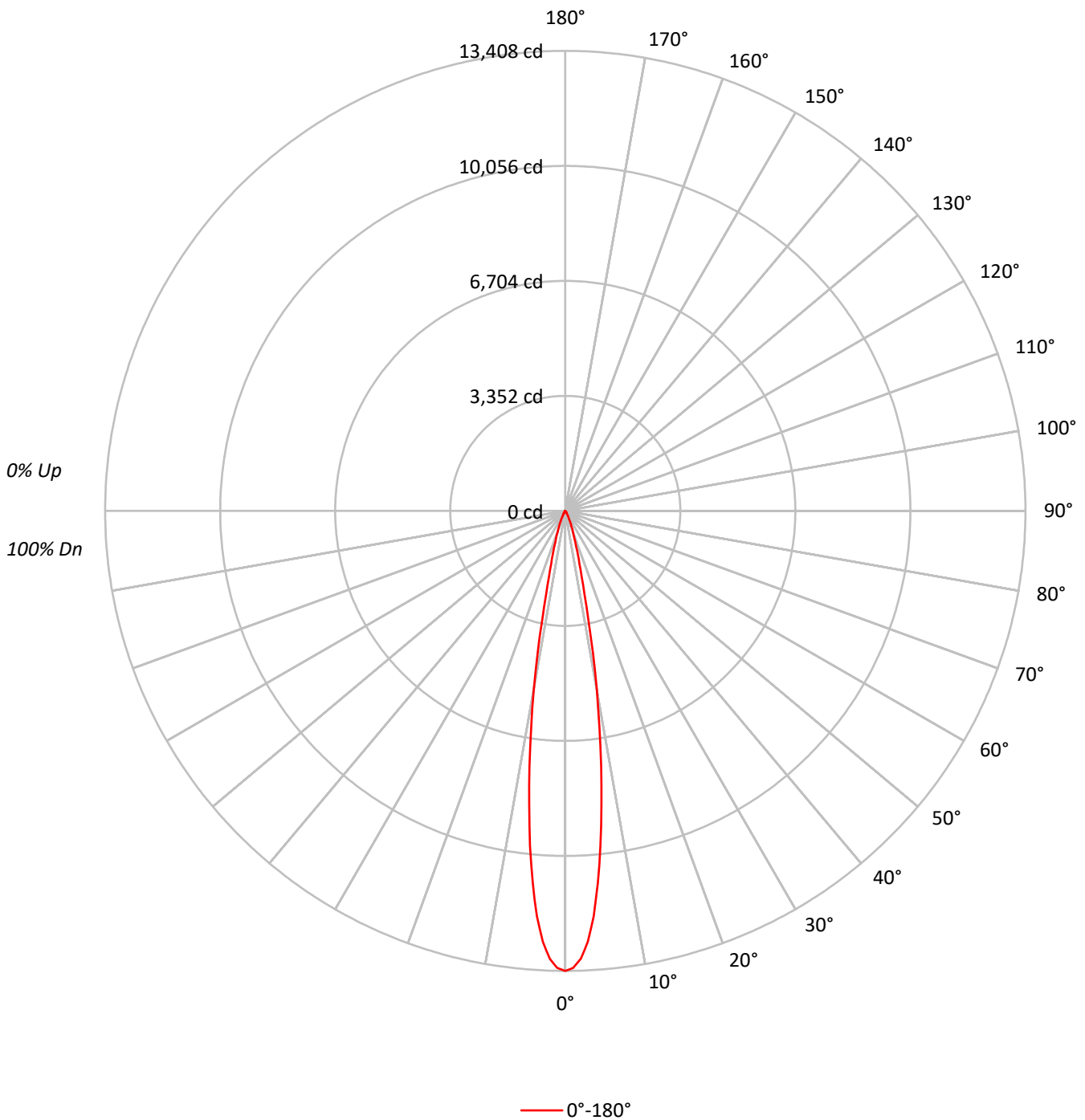
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1544.0 lumens
Efficiency: N/A
Efficacy: 79.6 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): 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 | 100 | 100 | 100 | 100 |
| 1 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 99 | 98 | 98 | 98 |
| 2 | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 | 102 | 100 | 99 | 99 | 98 | 97 | 99 | 98 | 97 | 96 |
| 3 | 110 | 106 | 102 | 100 | 108 | 104 | 102 | 99 | 102 | 100 | 98 | 100 | 98 | 96 | 98 | 96 | 95 | 98 | 96 | 95 | 94 |
| 4 | 107 | 102 | 99 | 96 | 105 | 101 | 98 | 96 | 99 | 97 | 95 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 5 | 105 | 100 | 96 | 94 | 103 | 99 | 96 | 93 | 97 | 94 | 92 | 96 | 93 | 92 | 94 | 93 | 91 | 94 | 93 | 91 | 90 |
| 6 | 102 | 97 | 94 | 91 | 101 | 96 | 93 | 91 | 95 | 92 | 90 | 94 | 92 | 90 | 93 | 91 | 89 | 93 | 91 | 89 | 88 |
| 7 | 100 | 95 | 91 | 89 | 99 | 94 | 91 | 89 | 93 | 90 | 88 | 92 | 90 | 88 | 91 | 89 | 88 | 91 | 89 | 88 | 87 |
| 8 | 98 | 93 | 89 | 87 | 97 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 86 | 90 | 88 | 86 | 90 | 88 | 86 | 85 |
| 9 | 96 | 91 | 88 | 85 | 96 | 91 | 87 | 85 | 90 | 87 | 85 | 89 | 87 | 85 | 88 | 86 | 85 | 88 | 86 | 85 | 84 |
| 10 | 95 | 89 | 86 | 84 | 94 | 89 | 86 | 84 | 88 | 85 | 83 | 88 | 85 | 83 | 87 | 85 | 83 | 87 | 85 | 83 | 82 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 2940181 |
| 5° | 2397528 |
| 10° | 1174171 |
| 15° | 359389 |
| 20° | 152193 |
| 25° | 68835 |
| 30° | 26840 |
| 35° | 12394 |
| 40° | 3864 |
| 45° | 1458 |
| 50° | 614 |
| 55° | 229 |
| 60° | 263 |
| 65° | 311 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1458 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 847.8 | 54.9 |
| 10°-20° | 520.2 | 33.7 |
| 20°-30° | 139.7 | 9.0 |
| 30°-40° | 30.8 | 2.0 |
| 40°-50° | 4.3 | 0.3 |
| 50°-60° | 0.8 | 0.1 |
| 60°-70° | 0.4 | 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° | 1507.8 | 97.7 |
| 0°-40° | 1538.6 | 99.6 |
| 0°-60° | 1543.7 | 100.0 |
| 0°-90° | 1544.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1544.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-------|------|
| 0° | 13408 | |
| 5° | 10892 | 848 |
| 15° | 1583 | 520 |
| 25° | 284 | 140 |
| 35° | 46 | 31 |
| 45° | 5 | 4 |
| 55° | 1 | 1 |
| 65° | 1 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|---------|
| 0° | 13408.3 |
| 1° | 13324.5 |
| 2° | 13055.8 |
| 3° | 12571.6 |
| 4° | 11842.7 |
| 5° | 10892.0 |
| 6° | 9816.5 |
| 7° | 8618.6 |
| 8° | 7517.9 |
| 9° | 6351.1 |
| 10° | 5273.3 |
| 11° | 4206.6 |
| 12° | 3236.4 |
| 13° | 2489.4 |
| 14° | 1970.7 |
| 15° | 1583.1 |
| 17.5° | 981.2 |
| 20° | 652.2 |
| 22.5° | 439.1 |
| 25° | 284.5 |
| 27.5° | 168.6 |
| 30° | 106.0 |
| 32.5° | 71.4 |
| 35° | 46.3 |
| 37.5° | 25.8 |
| 40° | 13.5 |
| 42.5° | 7.6 |
| 45° | 4.7 |
| 47.5° | 2.9 |
| 50° | 1.8 |
| 52.5° | 1.2 |
| 55° | 0.6 |
| 57.5° | 0.6 |
| 60° | 0.6 |
| 62.5° | 0.6 |
| 65° | 0.6 |
| 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)