

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: P1299673

Luminaire Tested: P3A17R20W2N902765DE010 E3DL1MW_6500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R20W2N902765DE010 E3DL1MW_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 6500K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

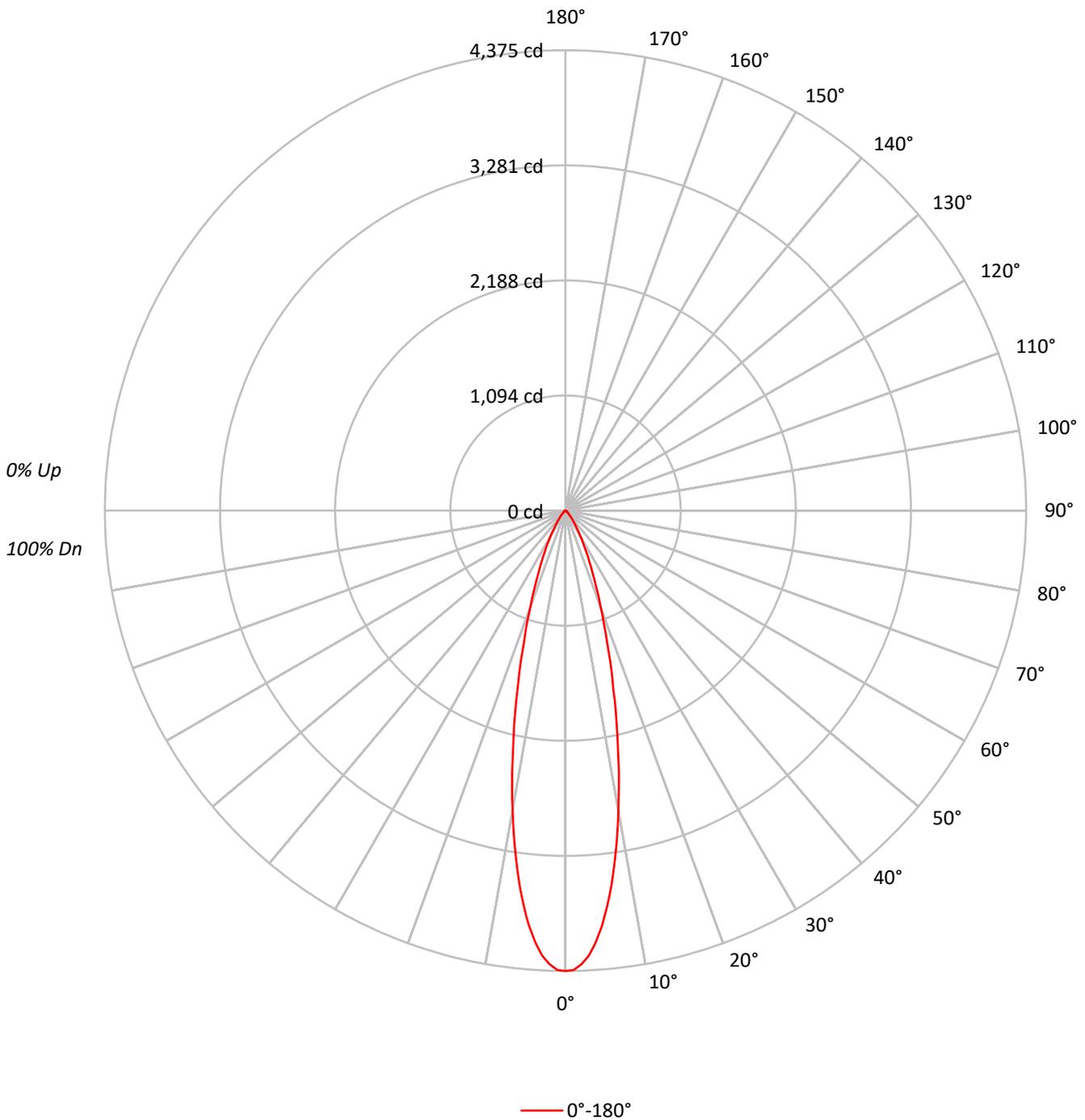
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1246.9 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
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 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 95 | 95 | 95 | 95 |
| 2 | 110 | 106 | 102 | 100 | 108 | 104 | 101 | 98 | 101 | 98 | 96 | 98 | 96 | 94 | 95 | 94 | 92 | 91 | 91 | 91 | 91 |
| 3 | 106 | 100 | 96 | 93 | 104 | 99 | 95 | 92 | 97 | 93 | 91 | 94 | 92 | 89 | 92 | 90 | 88 | 87 | 87 | 87 | 87 |
| 4 | 102 | 96 | 91 | 88 | 100 | 95 | 90 | 87 | 92 | 89 | 86 | 91 | 88 | 85 | 89 | 86 | 84 | 83 | 83 | 83 | 83 |
| 5 | 98 | 91 | 87 | 83 | 97 | 90 | 86 | 83 | 89 | 85 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 79 | 79 | 79 | 79 |
| 6 | 95 | 87 | 83 | 79 | 93 | 87 | 82 | 79 | 85 | 81 | 78 | 84 | 81 | 78 | 83 | 80 | 77 | 76 | 76 | 76 | 76 |
| 7 | 91 | 84 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 78 | 75 | 81 | 78 | 75 | 80 | 77 | 75 | 73 | 73 | 73 | 73 |
| 8 | 88 | 81 | 76 | 73 | 87 | 80 | 76 | 73 | 79 | 75 | 72 | 78 | 75 | 72 | 78 | 74 | 72 | 71 | 71 | 71 | 71 |
| 9 | 85 | 78 | 73 | 70 | 85 | 77 | 73 | 70 | 77 | 73 | 70 | 76 | 72 | 69 | 75 | 72 | 69 | 68 | 68 | 68 | 68 |
| 10 | 83 | 75 | 71 | 68 | 82 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 70 | 67 | 73 | 69 | 67 | 66 | 66 | 66 | 66 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 959419 |
| 5° | 872131 |
| 10° | 644566 |
| 15° | 398731 |
| 20° | 227706 |
| 25° | 129999 |
| 30° | 72897 |
| 35° | 39672 |
| 40° | 21726 |
| 45° | 11939 |
| 50° | 6993 |
| 55° | 5085 |
| 60° | 4736 |
| 65° | 4358 |
| 70° | 3847 |
| 75° | 4067 |
| 80° | 3031 |
| 85° | 3019 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11939 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 343.1 | 27.5 |
| 10°-20° | 489.8 | 39.3 |
| 20°-30° | 255.7 | 20.5 |
| 30°-40° | 98.9 | 7.9 |
| 40°-50° | 32.1 | 2.6 |
| 50°-60° | 12.6 | 1.0 |
| 60°-70° | 8.3 | 0.7 |
| 70°-80° | 4.9 | 0.4 |
| 80°-90° | 1.6 | 0.1 |
| 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° | 1088.5 | 87.3 |
| 0°-40° | 1187.4 | 95.2 |
| 0°-60° | 1232.1 | 98.8 |
| 0°-90° | 1246.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1246.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 4375 | |
| 5° | 3962 | 343 |
| 15° | 1756 | 490 |
| 25° | 537 | 256 |
| 35° | 148 | 99 |
| 45° | 38 | 32 |
| 55° | 13 | 13 |
| 65° | 8 | 8 |
| 75° | 5 | 5 |
| 85° | 1 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 4375.3 |
| 1° | 4366.9 |
| 2° | 4315.1 |
| 3° | 4235.6 |
| 4° | 4112.7 |
| 5° | 3962.1 |
| 6° | 3783.8 |
| 7° | 3586.3 |
| 8° | 3357.4 |
| 9° | 3134.5 |
| 10° | 2894.8 |
| 12.5° | 2300.9 |
| 15° | 1756.4 |
| 17.5° | 1314.3 |
| 20° | 975.8 |
| 22.5° | 722.8 |
| 25° | 537.3 |
| 27.5° | 396.3 |
| 30° | 287.9 |
| 32.5° | 208.4 |
| 35° | 148.2 |
| 37.5° | 107.2 |
| 40° | 75.9 |
| 42.5° | 54.2 |
| 45° | 38.5 |
| 47.5° | 27.7 |
| 50° | 20.5 |
| 52.5° | 15.7 |
| 55° | 13.3 |
| 57.5° | 12.0 |
| 60° | 10.8 |
| 62.5° | 9.6 |
| 65° | 8.4 |
| 67.5° | 7.2 |
| 70° | 6.0 |
| 72.5° | 6.0 |
| 75° | 4.8 |
| 77.5° | 3.6 |
| 80° | 2.4 |
| 82.5° | 2.4 |
| 85° | 1.2 |
| 87.5° | 1.2 |
| 90° | 0.0 |

(END OF REPORT)