

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: P1297727

Luminaire Tested: P3AS13R50W2N902765DE010 E3CD1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R50W2N902765DE010 E3CD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

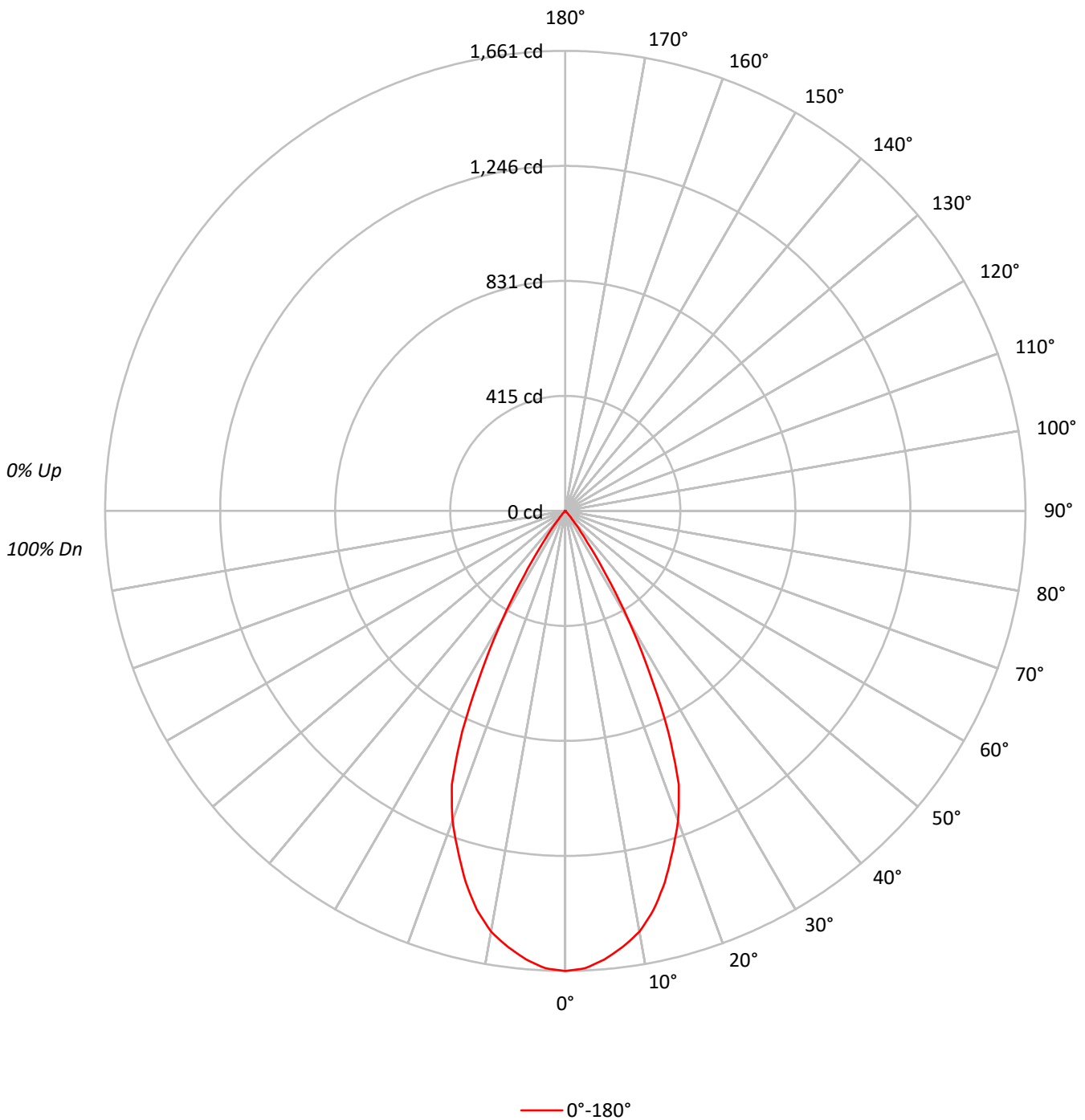
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1046.1 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1297727
CATALOG NUMBER: P3AS13R50W2N902765DE010 E3CD1MW_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1297727

CATALOG NUMBER: P3AS13R50W2N902765DE010 E3CD1MW_3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 102 | 102 | 102 | 100 |
| 1 | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 101 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 91 | 91 | 91 | 90 |
| 3 | 105 | 99 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 88 | 86 | 86 | 86 | 86 | 85 |
| 4 | 100 | 94 | 89 | 85 | 99 | 92 | 88 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 5 | 96 | 89 | 84 | 80 | 94 | 88 | 83 | 79 | 86 | 82 | 79 | 84 | 81 | 78 | 83 | 80 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 79 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 8 | 85 | 76 | 71 | 67 | 83 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 66 | 66 | 66 | 65 |
| 9 | 81 | 73 | 68 | 64 | 80 | 72 | 67 | 64 | 71 | 67 | 64 | 71 | 66 | 63 | 70 | 66 | 63 | 63 | 63 | 63 | 62 |
| 10 | 78 | 69 | 64 | 61 | 77 | 69 | 64 | 61 | 68 | 64 | 61 | 68 | 63 | 61 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 364291 |
| 5° | 357780 |
| 10° | 343525 |
| 15° | 315007 |
| 20° | 277784 |
| 25° | 212916 |
| 30° | 115765 |
| 35° | 37236 |
| 40° | 8759 |
| 45° | 1178 |
| 50° | 1058 |
| 55° | 1185 |
| 60° | 1009 |
| 65° | 1193 |
| 70° | 962 |
| 75° | 1271 |
| 80° | 1010 |
| 85° | 2013 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 85°
 Luminance: 2013 cd/sqm



TEST NUMBER: P1297727

CATALOG NUMBER: P3AS13R50W2N902765DE010 E3CD1MW_3000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 152.5 | 14.6 |
| 10°-20° | 385.7 | 36.9 |
| 20°-30° | 386.3 | 36.9 |
| 30°-40° | 108.6 | 10.4 |
| 40°-50° | 6.6 | 0.6 |
| 50°-60° | 2.5 | 0.2 |
| 60°-70° | 2.0 | 0.2 |
| 70°-80° | 1.3 | 0.1 |
| 80°-90° | 0.5 | 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° | 924.5 | 88.4 |
| 0°-40° | 1033.2 | 98.8 |
| 0°-60° | 1042.2 | 99.6 |
| 0°-90° | 1046.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1046.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1661 | |
| 5° | 1625 | 153 |
| 15° | 1388 | 386 |
| 25° | 880 | 386 |
| 35° | 139 | 109 |
| 45° | 4 | 7 |
| 55° | 3 | 3 |
| 65° | 2 | 2 |
| 75° | 2 | 1 |
| 85° | 1 | 1 |
| 90° | 0 | |



TEST NUMBER: P1297727
CATALOG NUMBER: P3AS13R50W2N902765DE010 E3CD1MW_3000K

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1661.3 |
| 2.5° | 1652.9 |
| 5° | 1625.4 |
| 7.5° | 1587.9 |
| 10° | 1542.8 |
| 12.5° | 1474.8 |
| 15° | 1387.6 |
| 17.5° | 1287.4 |
| 20° | 1190.4 |
| 22.5° | 1069.6 |
| 25° | 880.0 |
| 27.5° | 655.2 |
| 30° | 457.2 |
| 32.5° | 276.0 |
| 35° | 139.1 |
| 37.5° | 65.7 |
| 40° | 30.6 |
| 42.5° | 11.5 |
| 45° | 3.8 |
| 47.5° | 3.1 |
| 50° | 3.1 |
| 52.5° | 3.1 |
| 55° | 3.1 |
| 57.5° | 2.3 |
| 60° | 2.3 |
| 62.5° | 2.3 |
| 65° | 2.3 |
| 67.5° | 1.5 |
| 70° | 1.5 |
| 72.5° | 1.5 |
| 75° | 1.5 |
| 77.5° | 0.8 |
| 80° | 0.8 |
| 82.5° | 0.8 |
| 85° | 0.8 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)