

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: P1298403

Luminaire Tested: P3AS13R60W2N902765DE010 E3DL1GPH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R60W2N902765DE010 E3DL1GPH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 4000K CCT AND, 90CRI ,
E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

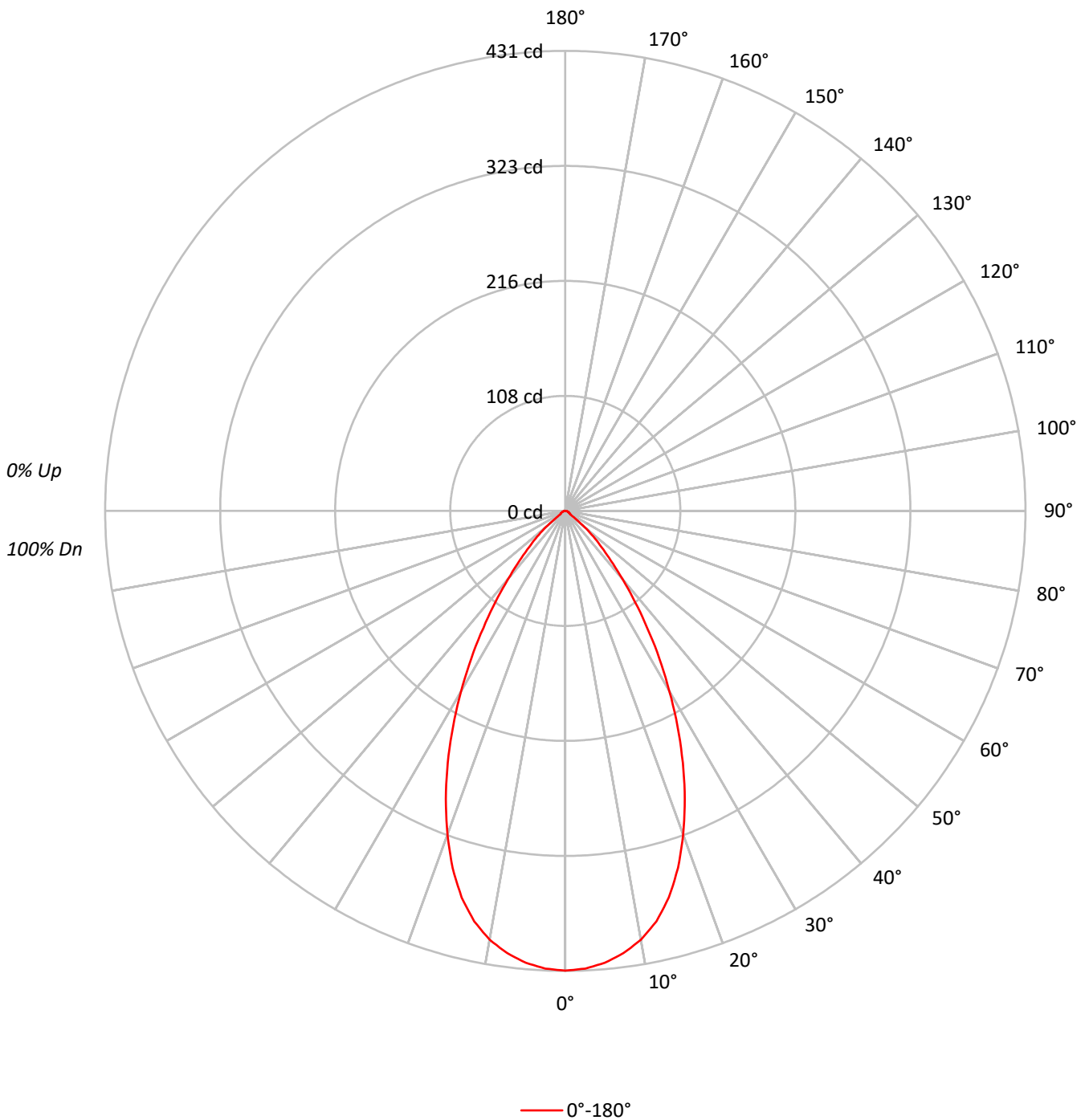
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 400.0 lumens
Efficiency: N/A
Efficacy: 32.5 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.87
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

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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 | | | |
| 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 94 | 93 | | | |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 85 | | | |
| 3 | 101 | 95 | 89 | 85 | 99 | 93 | 88 | 84 | 91 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 80 | 79 | | | |
| 4 | 96 | 88 | 82 | 78 | 94 | 87 | 81 | 77 | 85 | 80 | 76 | 83 | 79 | 75 | 81 | 77 | 75 | 73 | | | |
| 5 | 91 | 82 | 76 | 71 | 89 | 81 | 75 | 71 | 79 | 74 | 70 | 78 | 73 | 70 | 76 | 72 | 69 | 68 | | | |
| 6 | 86 | 77 | 70 | 66 | 84 | 76 | 70 | 66 | 74 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 64 | 63 | | | |
| 7 | 82 | 72 | 66 | 61 | 80 | 71 | 65 | 61 | 70 | 65 | 61 | 69 | 64 | 60 | 68 | 63 | 60 | 59 | | | |
| 8 | 77 | 68 | 61 | 57 | 76 | 67 | 61 | 57 | 66 | 60 | 57 | 65 | 60 | 56 | 64 | 59 | 56 | 55 | | | |
| 9 | 74 | 64 | 57 | 53 | 72 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 51 | | | |
| 10 | 70 | 60 | 54 | 50 | 69 | 60 | 54 | 50 | 59 | 53 | 50 | 58 | 53 | 50 | 57 | 53 | 49 | 48 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 94444 |
| 5° | 93550 |
| 10° | 90824 |
| 15° | 85108 |
| 20° | 75327 |
| 25° | 63004 |
| 30° | 49375 |
| 35° | 35817 |
| 40° | 23845 |
| 45° | 14854 |
| 50° | 8051 |
| 55° | 2332 |
| 60° | 2149 |
| 65° | 1972 |
| 70° | 1923 |
| 75° | 1949 |
| 80° | 1894 |
| 85° | 2013 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14854 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.0 | 10.0 |
| 10°-20° | 104.0 | 26.0 |
| 20°-30° | 118.5 | 29.6 |
| 30°-40° | 84.1 | 21.0 |
| 40°-50° | 38.1 | 9.5 |
| 50°-60° | 8.1 | 2.0 |
| 60°-70° | 3.9 | 1.0 |
| 70°-80° | 2.4 | 0.6 |
| 80°-90° | 0.8 | 0.2 |
| 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° | 262.6 | 65.6 |
| 0°-40° | 346.6 | 86.7 |
| 0°-60° | 392.9 | 98.2 |
| 0°-90° | 400.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 400.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 431 | |
| 5° | 425 | 40 |
| 15° | 375 | 104 |
| 25° | 260 | 119 |
| 35° | 134 | 84 |
| 45° | 48 | 38 |
| 55° | 6 | 8 |
| 65° | 4 | 4 |
| 75° | 2 | 2 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 430.7 |
| 2.5° | 429.2 |
| 5° | 425.0 |
| 7.5° | 417.8 |
| 10° | 407.9 |
| 12.5° | 393.9 |
| 15° | 374.9 |
| 17.5° | 350.9 |
| 20° | 322.8 |
| 22.5° | 292.4 |
| 25° | 260.4 |
| 27.5° | 227.7 |
| 30° | 195.0 |
| 32.5° | 163.9 |
| 35° | 133.8 |
| 37.5° | 107.2 |
| 40° | 83.3 |
| 42.5° | 63.1 |
| 45° | 47.9 |
| 47.5° | 35.7 |
| 50° | 23.6 |
| 52.5° | 11.0 |
| 55° | 6.1 |
| 57.5° | 5.3 |
| 60° | 4.9 |
| 62.5° | 4.6 |
| 65° | 3.8 |
| 67.5° | 3.4 |
| 70° | 3.0 |
| 72.5° | 2.7 |
| 75° | 2.3 |
| 77.5° | 1.9 |
| 80° | 1.5 |
| 82.5° | 1.1 |
| 85° | 0.8 |
| 87.5° | 0.4 |
| 90° | 0.0 |

(END OF REPORT)