

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: P1294003

Luminaire Tested: P3A09R50W2N902765DE010 E3DLD1GPH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R50W2N902765DE010 E3DLD1GPH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

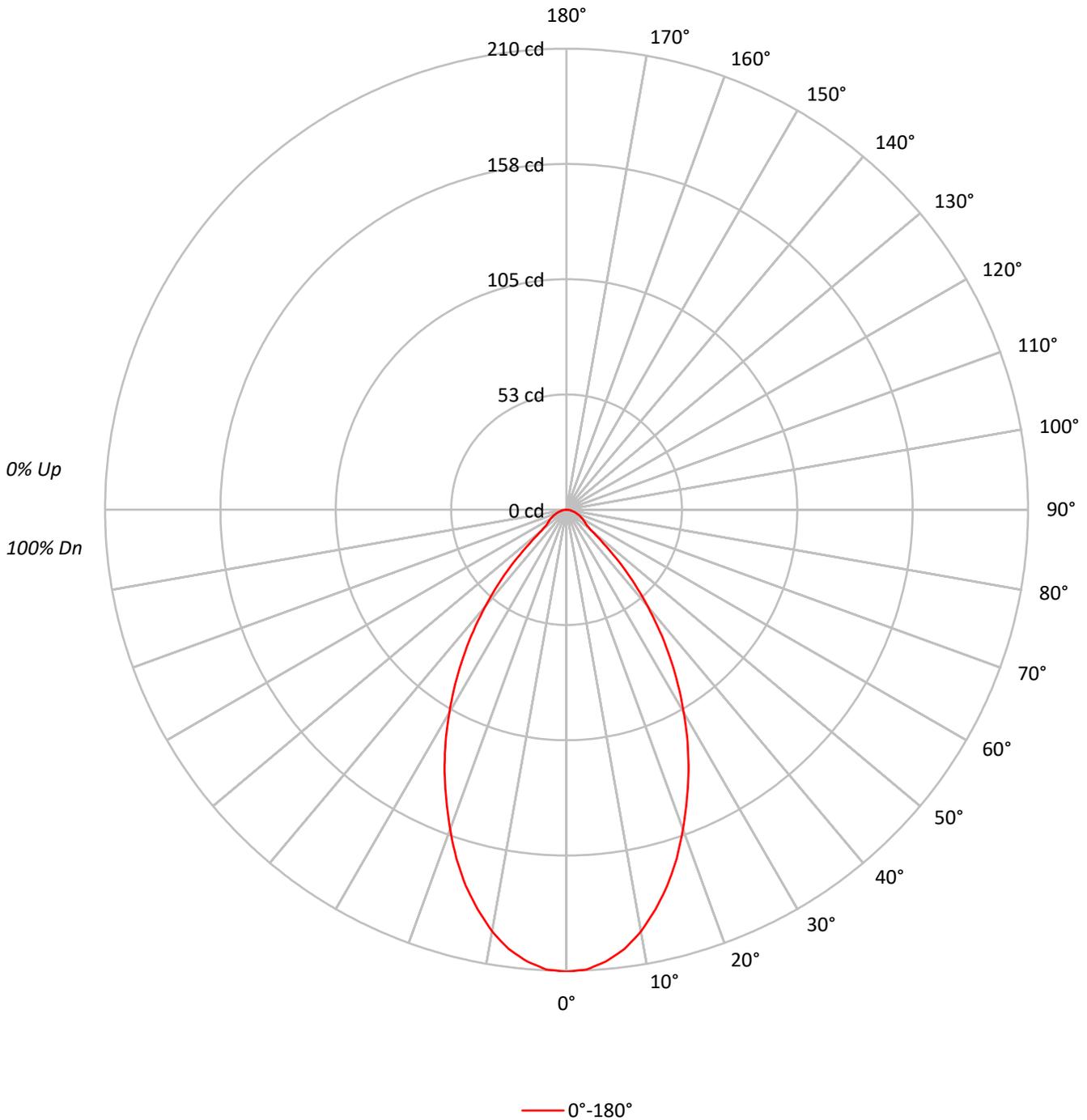
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 227.0 lumens
Efficiency: N/A
Efficacy: 25.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
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

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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 |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 95 | 94 | 93 | 91 | | | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 86 | 84 | 83 | | | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 75 | | | 75 |
| 4 | 93 | 85 | 78 | 73 | 91 | 83 | 77 | 73 | 81 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 69 | | | 69 |
| 5 | 88 | 78 | 72 | 67 | 86 | 77 | 71 | 66 | 75 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 63 | | | 63 |
| 6 | 83 | 73 | 66 | 61 | 81 | 72 | 65 | 61 | 70 | 65 | 60 | 69 | 64 | 60 | 67 | 63 | 59 | 58 | | | 58 |
| 7 | 78 | 68 | 61 | 56 | 77 | 67 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 63 | 59 | 55 | 53 | | | 53 |
| 8 | 74 | 63 | 57 | 52 | 73 | 63 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 51 | 59 | 55 | 51 | 50 | | | 50 |
| 9 | 70 | 59 | 53 | 48 | 69 | 59 | 52 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 46 | | | 46 |
| 10 | 66 | 56 | 49 | 45 | 65 | 55 | 49 | 45 | 54 | 49 | 45 | 54 | 48 | 45 | 53 | 48 | 45 | 43 | | | 43 |

AVERAGE LUMINANCE (cd/sqm):

| Angle | Average Luminance (cd/sqm) |
|-------|----------------------------|
| 0° | 46137 |
| 5° | 45454 |
| 10° | 43442 |
| 15° | 40227 |
| 20° | 36146 |
| 25° | 31792 |
| 30° | 27017 |
| 35° | 21924 |
| 40° | 16459 |
| 45° | 10606 |
| 50° | 5049 |
| 55° | 3976 |
| 60° | 3728 |
| 65° | 3476 |
| 70° | 3142 |
| 75° | 2881 |
| 80° | 2652 |
| 85° | 2516 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10606 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 19.4 | 8.5 |
| 10°-20° | 49.4 | 21.8 |
| 20°-30° | 60.0 | 26.4 |
| 30°-40° | 50.9 | 22.4 |
| 40°-50° | 26.5 | 11.7 |
| 50°-60° | 9.5 | 4.2 |
| 60°-70° | 6.6 | 2.9 |
| 70°-80° | 3.6 | 1.6 |
| 80°-90° | 1.1 | 0.5 |
| 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° | 128.8 | 56.7 |
| 0°-40° | 179.7 | 79.2 |
| 0°-60° | 215.7 | 95.0 |
| 0°-90° | 227.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 227.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 210 | |
| 5° | 206 | 19 |
| 15° | 177 | 49 |
| 25° | 131 | 60 |
| 35° | 82 | 51 |
| 45° | 34 | 26 |
| 55° | 10 | 10 |
| 65° | 7 | 7 |
| 75° | 3 | 4 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 210.4 |
| 2.5° | 209.6 |
| 5° | 206.5 |
| 7.5° | 201.8 |
| 10° | 195.1 |
| 12.5° | 186.5 |
| 15° | 177.2 |
| 17.5° | 166.6 |
| 20° | 154.9 |
| 22.5° | 143.0 |
| 25° | 131.4 |
| 27.5° | 119.2 |
| 30° | 106.7 |
| 32.5° | 94.3 |
| 35° | 81.9 |
| 37.5° | 69.7 |
| 40° | 57.5 |
| 42.5° | 45.9 |
| 45° | 34.2 |
| 47.5° | 22.8 |
| 50° | 14.8 |
| 52.5° | 11.4 |
| 55° | 10.4 |
| 57.5° | 9.3 |
| 60° | 8.5 |
| 62.5° | 7.5 |
| 65° | 6.7 |
| 67.5° | 5.7 |
| 70° | 4.9 |
| 72.5° | 4.1 |
| 75° | 3.4 |
| 77.5° | 2.6 |
| 80° | 2.1 |
| 82.5° | 1.6 |
| 85° | 1.0 |
| 87.5° | 0.5 |
| 90° | 0.0 |

(END OF REPORT)