

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: P1294673

Luminaire Tested: P3AS09R60W2N902765DE010 E3DLD1WMH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R60W2N902765DE010 E3DLD1WMH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 3500K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

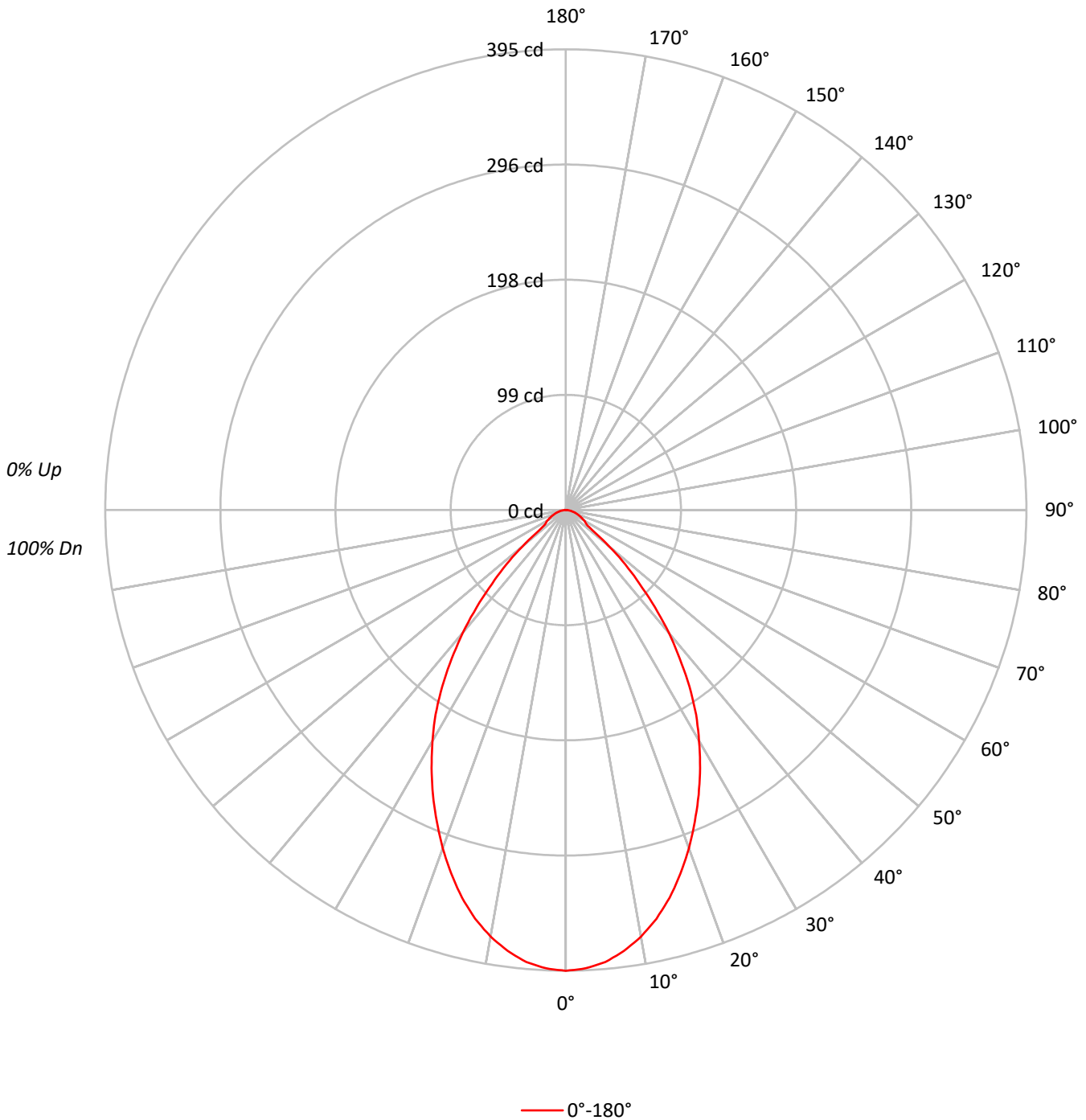
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 488.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 101 | 102 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 93 | 91 |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 86 | 84 | 82 |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 74 |
| 4 | 92 | 83 | 77 | 72 | 90 | 82 | 76 | 71 | 80 | 75 | 70 | 78 | 73 | 70 | 76 | 72 | 69 | 67 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 |
| 6 | 82 | 71 | 64 | 59 | 80 | 70 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 58 | 66 | 61 | 58 | 56 |
| 7 | 77 | 66 | 59 | 54 | 75 | 65 | 59 | 54 | 64 | 58 | 54 | 63 | 57 | 53 | 61 | 57 | 53 | 51 |
| 8 | 72 | 61 | 55 | 50 | 71 | 61 | 54 | 50 | 60 | 54 | 49 | 59 | 53 | 49 | 58 | 53 | 49 | 47 |
| 9 | 68 | 57 | 51 | 46 | 67 | 57 | 50 | 46 | 56 | 50 | 46 | 55 | 49 | 46 | 54 | 49 | 45 | 44 |
| 10 | 65 | 54 | 47 | 43 | 64 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 46 | 42 | 51 | 46 | 42 | 41 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 86638 |
| 5° | 85648 |
| 10° | 82697 |
| 15° | 78116 |
| 20° | 72013 |
| 25° | 65205 |
| 30° | 57882 |
| 35° | 49470 |
| 40° | 39331 |
| 45° | 27724 |
| 50° | 16579 |
| 55° | 8372 |
| 60° | 8070 |
| 65° | 7368 |
| 70° | 6860 |
| 75° | 6524 |
| 80° | 5935 |
| 85° | 4529 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27724 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 36.6 | 7.5 |
| 10°-20° | 96.2 | 19.7 |
| 20°-30° | 123.5 | 25.3 |
| 30°-40° | 114.5 | 23.5 |
| 40°-50° | 69.7 | 14.3 |
| 50°-60° | 23.2 | 4.8 |
| 60°-70° | 14.1 | 2.9 |
| 70°-80° | 8.0 | 1.6 |
| 80°-90° | 2.3 | 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° | 256.2 | 52.5 |
| 0°-40° | 370.7 | 76.0 |
| 0°-60° | 463.6 | 95.0 |
| 0°-90° | 488.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 488.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 395 | |
| 5° | 389 | 37 |
| 15° | 344 | 96 |
| 25° | 270 | 123 |
| 35° | 185 | 114 |
| 45° | 89 | 70 |
| 55° | 22 | 23 |
| 65° | 14 | 14 |
| 75° | 8 | 8 |
| 85° | 2 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 395.1 |
| 2.5° | 393.3 |
| 5° | 389.1 |
| 7.5° | 381.4 |
| 10° | 371.4 |
| 12.5° | 358.9 |
| 15° | 344.1 |
| 17.5° | 326.9 |
| 20° | 308.6 |
| 22.5° | 289.0 |
| 25° | 269.5 |
| 27.5° | 249.4 |
| 30° | 228.6 |
| 32.5° | 207.9 |
| 35° | 184.8 |
| 37.5° | 160.5 |
| 40° | 137.4 |
| 42.5° | 113.1 |
| 45° | 89.4 |
| 47.5° | 69.3 |
| 50° | 48.6 |
| 52.5° | 29.0 |
| 55° | 21.9 |
| 57.5° | 20.1 |
| 60° | 18.4 |
| 62.5° | 16.0 |
| 65° | 14.2 |
| 67.5° | 12.4 |
| 70° | 10.7 |
| 72.5° | 8.9 |
| 75° | 7.7 |
| 77.5° | 5.9 |
| 80° | 4.7 |
| 82.5° | 3.0 |
| 85° | 1.8 |
| 87.5° | 1.2 |
| 90° | 0.0 |

(END OF REPORT)