

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: P1293153

Luminaire Tested: P3AS09R35W2N902765DE010 E3PHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R35W2N902765DE010 E3PHLD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

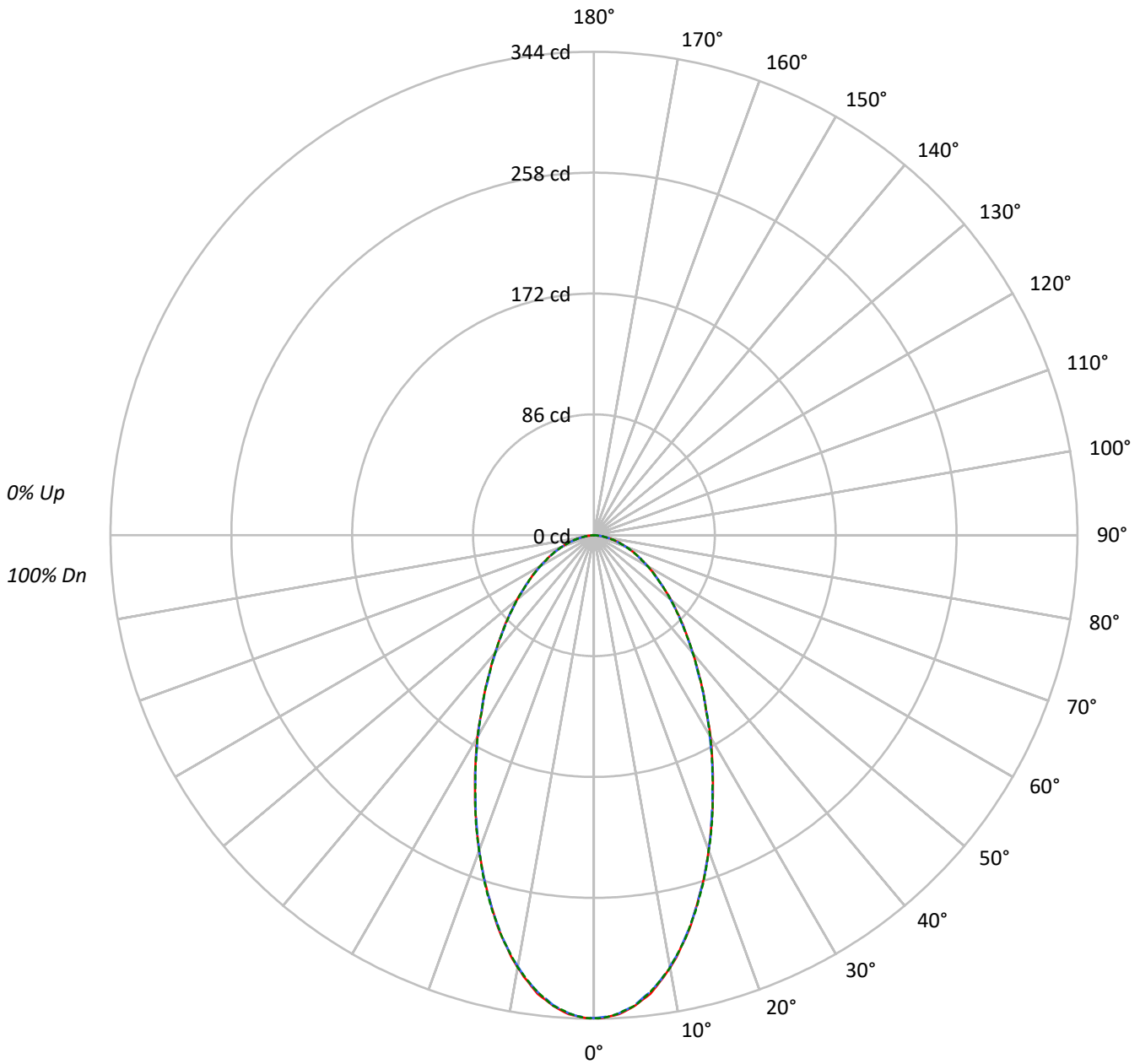
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 459.0 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
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



— 0°-180° - - - 45°-225° - · - · - 90°-270°



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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99 | 100 | 98 | 95 | 97 | 95 | 93 | 93 | 91 | 90 | 88 | 88 | 88 |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 84 | 81 | 79 | 77 | 77 | 77 |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | 68 | 68 |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | 60 | 60 |
| 5 | 82 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 54 | 54 | 54 |
| 6 | 77 | 65 | 58 | 52 | 75 | 65 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | 49 | 49 |
| 7 | 72 | 60 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 44 | 44 | 44 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 | 41 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 38 | 38 | 38 |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 35 | 35 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 75345 | 75345 | 75345 |
| 5° | 73938 | 73806 | 73938 |
| 10° | 69516 | 69382 | 69516 |
| 15° | 62929 | 62929 | 63065 |
| 20° | 55702 | 55702 | 55702 |
| 25° | 48438 | 48293 | 48293 |
| 30° | 42006 | 41703 | 41855 |
| 35° | 36165 | 36005 | 36165 |
| 40° | 31373 | 31201 | 31373 |
| 45° | 27569 | 27383 | 27383 |
| 50° | 24460 | 24255 | 24255 |
| 55° | 21524 | 21524 | 21524 |
| 60° | 19472 | 19209 | 19472 |
| 65° | 17538 | 17538 | 17538 |
| 70° | 15580 | 15580 | 15580 |
| 75° | 14064 | 13556 | 14064 |
| 80° | 11996 | 11996 | 11996 |
| 85° | 7548 | 7548 | 7548 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27569 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 31.3 | 6.8 |
| 10°-20° | 77.3 | 16.8 |
| 20°-30° | 91.9 | 20.0 |
| 30°-40° | 84.4 | 18.4 |
| 40°-50° | 68.6 | 14.9 |
| 50°-60° | 50.7 | 11.1 |
| 60°-70° | 33.5 | 7.3 |
| 70°-80° | 17.4 | 3.8 |
| 80°-90° | 3.9 | 0.9 |
| 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° | 200.5 | 43.7 |
| 0°-40° | 284.9 | 62.1 |
| 0°-60° | 404.2 | 88.1 |
| 0°-90° | 459.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 459.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 344 | 344 | 344 | 344 | 344 | |
| 5° | 336 | 335 | 335 | 335 | 336 | 31 |
| 15° | 277 | 277 | 277 | 277 | 278 | 77 |
| 25° | 200 | 200 | 200 | 200 | 200 | 92 |
| 35° | 135 | 134 | 134 | 135 | 135 | 85 |
| 45° | 89 | 88 | 88 | 88 | 88 | 69 |
| 55° | 56 | 56 | 56 | 56 | 56 | 51 |
| 65° | 34 | 34 | 34 | 34 | 34 | 34 |
| 75° | 17 | 17 | 16 | 17 | 17 | 18 |
| 85° | 3 | 3 | 3 | 3 | 3 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 343.6 | 343.6 | 343.6 | 343.6 | 343.6 |
| 1° | 343.6 | 343.0 | 343.0 | 343.0 | 343.6 |
| 2° | 342.4 | 342.4 | 342.4 | 342.4 | 342.4 |
| 3° | 341.2 | 340.6 | 340.6 | 340.6 | 340.6 |
| 4° | 338.8 | 338.2 | 338.2 | 338.2 | 338.2 |
| 5° | 335.9 | 335.3 | 335.3 | 335.3 | 335.9 |
| 6° | 332.3 | 331.7 | 331.1 | 331.1 | 331.7 |
| 7° | 328.8 | 327.6 | 327.6 | 327.6 | 327.6 |
| 8° | 323.4 | 322.8 | 322.8 | 322.8 | 322.8 |
| 9° | 318.1 | 316.9 | 317.5 | 317.5 | 317.5 |
| 10° | 312.2 | 311.6 | 311.6 | 311.6 | 312.2 |
| 11° | 306.3 | 305.7 | 305.7 | 305.1 | 305.7 |
| 12° | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 |
| 13° | 292.6 | 292.0 | 292.0 | 292.0 | 292.6 |
| 14° | 285.5 | 284.9 | 284.9 | 284.9 | 284.9 |
| 15° | 277.2 | 277.2 | 277.2 | 277.2 | 277.8 |
| 17.5° | 258.3 | 257.7 | 258.3 | 258.3 | 258.9 |
| 20° | 238.7 | 238.1 | 238.7 | 238.7 | 238.7 |
| 22.5° | 219.2 | 219.2 | 218.6 | 219.2 | 219.8 |
| 25° | 200.2 | 199.6 | 199.6 | 200.2 | 199.6 |
| 27.5° | 182.5 | 181.9 | 181.9 | 181.9 | 181.9 |
| 30° | 165.9 | 164.7 | 164.7 | 165.3 | 165.3 |
| 32.5° | 148.7 | 148.7 | 149.3 | 148.7 | 148.7 |
| 35° | 135.1 | 134.5 | 134.5 | 135.1 | 135.1 |
| 37.5° | 121.4 | 120.8 | 120.8 | 121.4 | 121.4 |
| 40° | 109.6 | 109.6 | 109.0 | 109.6 | 109.6 |
| 42.5° | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 45° | 88.9 | 88.3 | 88.3 | 88.3 | 88.3 |
| 47.5° | 79.4 | 79.4 | 79.4 | 78.8 | 79.4 |
| 50° | 71.7 | 71.1 | 71.1 | 71.1 | 71.1 |
| 52.5° | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 55° | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 57.5° | 50.4 | 49.8 | 49.8 | 49.8 | 49.8 |
| 60° | 44.4 | 44.4 | 43.8 | 44.4 | 44.4 |
| 62.5° | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 |
| 65° | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 |
| 67.5° | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 70° | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 |
| 72.5° | 20.7 | 20.1 | 20.1 | 20.1 | 20.1 |
| 75° | 16.6 | 16.6 | 16.0 | 16.6 | 16.6 |
| 77.5° | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 |
| 80° | 9.5 | 9.5 | 9.5 | 8.9 | 9.5 |
| 82.5° | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 85° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 87.5° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)