

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: P1254307

Luminaire Tested: P3AS09R359035DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1254307
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: P3AS09R359035DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

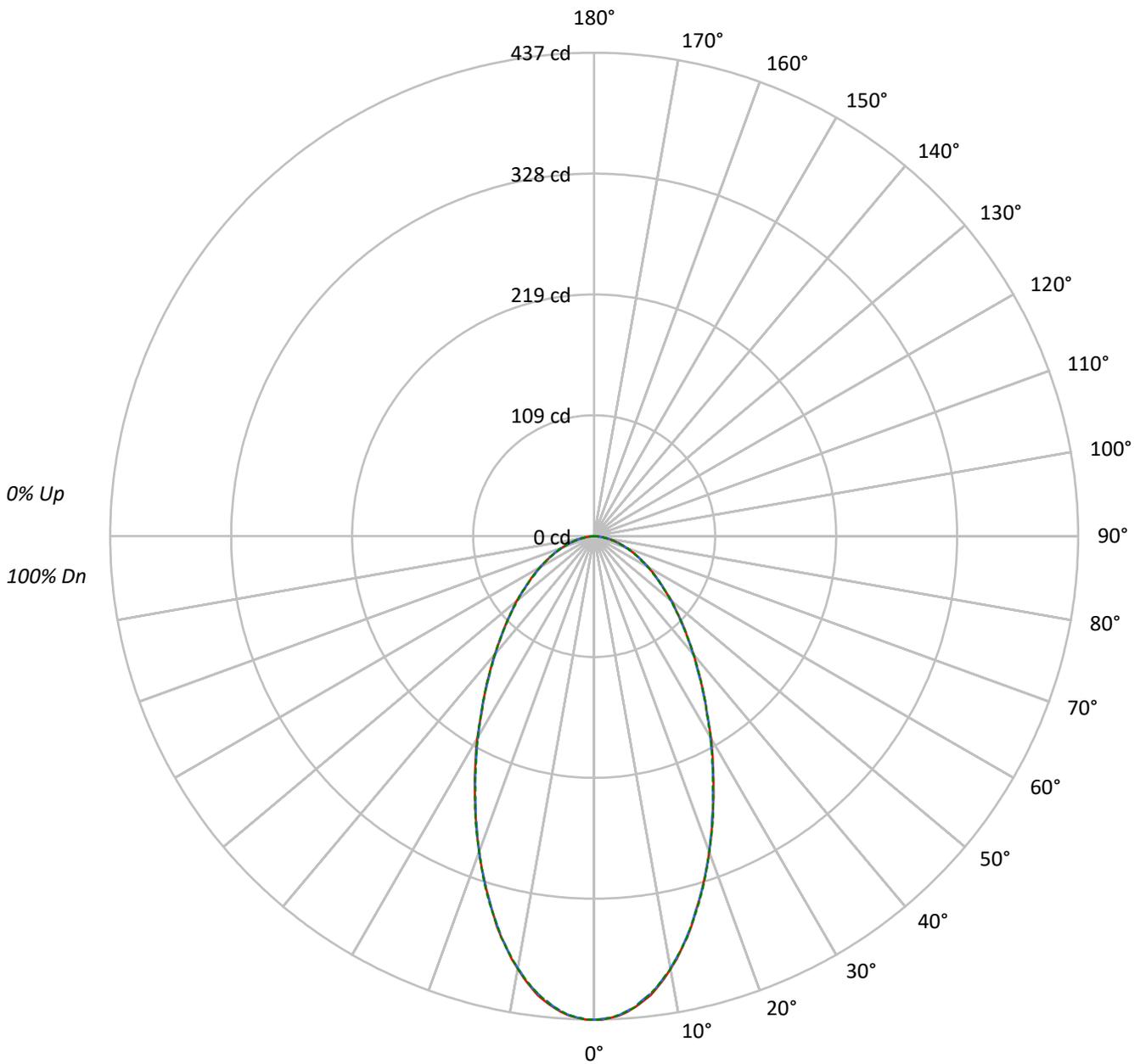
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 584.0 lumens
Efficiency: N/A
Efficacy: 52.6 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): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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 | 102 | 100 | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99 | 100 | 98 | 95 | 97 | 95 | 93 | 93 | 91 | 90 | 90 | 88 | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 84 | 81 | 79 | 79 | 77 | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 70 | 68 | |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 62 | 60 | |
| 5 | 82 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 56 | 54 | |
| 6 | 77 | 65 | 58 | 52 | 75 | 65 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 51 | 49 | |
| 7 | 72 | 60 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 46 | 44 | |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 42 | 41 | |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 39 | 38 | |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 36 | 35 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 95848 | 95848 | 95848 |
| 5° | 94057 | 93902 | 94057 |
| 10° | 88442 | 88264 | 88442 |
| 15° | 80069 | 80069 | 80250 |
| 20° | 70869 | 70869 | 70869 |
| 25° | 61649 | 61455 | 61455 |
| 30° | 53426 | 53046 | 53249 |
| 35° | 45990 | 45802 | 45990 |
| 40° | 39903 | 39703 | 39903 |
| 45° | 35073 | 34825 | 34825 |
| 50° | 31112 | 30839 | 30839 |
| 55° | 27373 | 27373 | 27373 |
| 60° | 24779 | 24472 | 24779 |
| 65° | 22311 | 22311 | 22311 |
| 70° | 19811 | 19811 | 19811 |
| 75° | 17877 | 17199 | 17877 |
| 80° | 15280 | 15280 | 15280 |
| 85° | 9561 | 9561 | 9561 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35073 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.8 | 6.8 |
| 10°-20° | 98.4 | 16.8 |
| 20°-30° | 116.9 | 20.0 |
| 30°-40° | 107.4 | 18.4 |
| 40°-50° | 87.2 | 14.9 |
| 50°-60° | 64.5 | 11.0 |
| 60°-70° | 42.7 | 7.3 |
| 70°-80° | 22.1 | 3.8 |
| 80°-90° | 5.0 | 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° | 255.1 | 43.7 |
| 0°-40° | 362.5 | 62.1 |
| 0°-60° | 514.3 | 88.1 |
| 0°-90° | 584.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 584.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 437 | 437 | 437 | 437 | 437 | |
| 5° | 427 | 427 | 427 | 427 | 427 | 40 |
| 15° | 353 | 353 | 353 | 353 | 354 | 98 |
| 25° | 255 | 254 | 254 | 255 | 254 | 117 |
| 35° | 172 | 171 | 171 | 172 | 172 | 108 |
| 45° | 113 | 112 | 112 | 112 | 112 | 87 |
| 55° | 72 | 72 | 72 | 72 | 72 | 65 |
| 65° | 43 | 43 | 43 | 43 | 43 | 43 |
| 75° | 21 | 21 | 20 | 21 | 21 | 22 |
| 85° | 4 | 4 | 4 | 4 | 4 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1254307

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 437.1 | 437.1 | 437.1 | 437.1 | 437.1 |
| 1° | 437.1 | 436.4 | 436.4 | 436.4 | 437.1 |
| 2° | 435.6 | 435.6 | 435.6 | 435.6 | 435.6 |
| 3° | 434.1 | 433.4 | 433.4 | 433.4 | 433.4 |
| 4° | 431.1 | 430.4 | 430.4 | 430.4 | 430.4 |
| 5° | 427.3 | 426.6 | 426.6 | 426.6 | 427.3 |
| 6° | 422.8 | 422.1 | 421.3 | 421.3 | 422.1 |
| 7° | 418.3 | 416.8 | 416.8 | 416.8 | 416.8 |
| 8° | 411.5 | 410.8 | 410.8 | 410.8 | 410.8 |
| 9° | 404.7 | 403.2 | 404.0 | 404.0 | 404.0 |
| 10° | 397.2 | 396.4 | 396.4 | 396.4 | 397.2 |
| 11° | 389.7 | 388.9 | 388.9 | 388.2 | 388.9 |
| 12° | 380.6 | 380.6 | 380.6 | 380.6 | 380.6 |
| 13° | 372.3 | 371.6 | 371.6 | 371.6 | 372.3 |
| 14° | 363.3 | 362.5 | 362.5 | 362.5 | 362.5 |
| 15° | 352.7 | 352.7 | 352.7 | 352.7 | 353.5 |
| 17.5° | 328.6 | 327.9 | 328.6 | 328.6 | 329.4 |
| 20° | 303.7 | 303.0 | 303.7 | 303.7 | 303.7 |
| 22.5° | 278.9 | 278.9 | 278.1 | 278.9 | 279.6 |
| 25° | 254.8 | 254.0 | 254.0 | 254.8 | 254.0 |
| 27.5° | 232.1 | 231.4 | 231.4 | 231.4 | 231.4 |
| 30° | 211.0 | 209.5 | 209.5 | 210.3 | 210.3 |
| 32.5° | 189.2 | 189.2 | 189.9 | 189.2 | 189.2 |
| 35° | 171.8 | 171.1 | 171.1 | 171.8 | 171.8 |
| 37.5° | 154.5 | 153.8 | 153.8 | 154.5 | 154.5 |
| 40° | 139.4 | 139.4 | 138.7 | 139.4 | 139.4 |
| 42.5° | 125.1 | 125.1 | 125.1 | 125.1 | 125.1 |
| 45° | 113.1 | 112.3 | 112.3 | 112.3 | 112.3 |
| 47.5° | 101.0 | 101.0 | 101.0 | 100.2 | 101.0 |
| 50° | 91.2 | 90.4 | 90.4 | 90.4 | 90.4 |
| 52.5° | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| 55° | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 57.5° | 64.1 | 63.3 | 63.3 | 63.3 | 63.3 |
| 60° | 56.5 | 56.5 | 55.8 | 56.5 | 56.5 |
| 62.5° | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| 65° | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 |
| 67.5° | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| 70° | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 |
| 72.5° | 26.4 | 25.6 | 25.6 | 25.6 | 25.6 |
| 75° | 21.1 | 21.1 | 20.3 | 21.1 | 21.1 |
| 77.5° | 15.8 | 15.8 | 15.8 | 15.8 | 15.8 |
| 80° | 12.1 | 12.1 | 12.1 | 11.3 | 12.1 |
| 82.5° | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 85° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 87.5° | 0.8 | 0.8 | 0.8 | 1.5 | 1.5 |



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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)