

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: P1259611

Luminaire Tested: P3AS09R359050DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1259611
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: P3AS09R359050DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

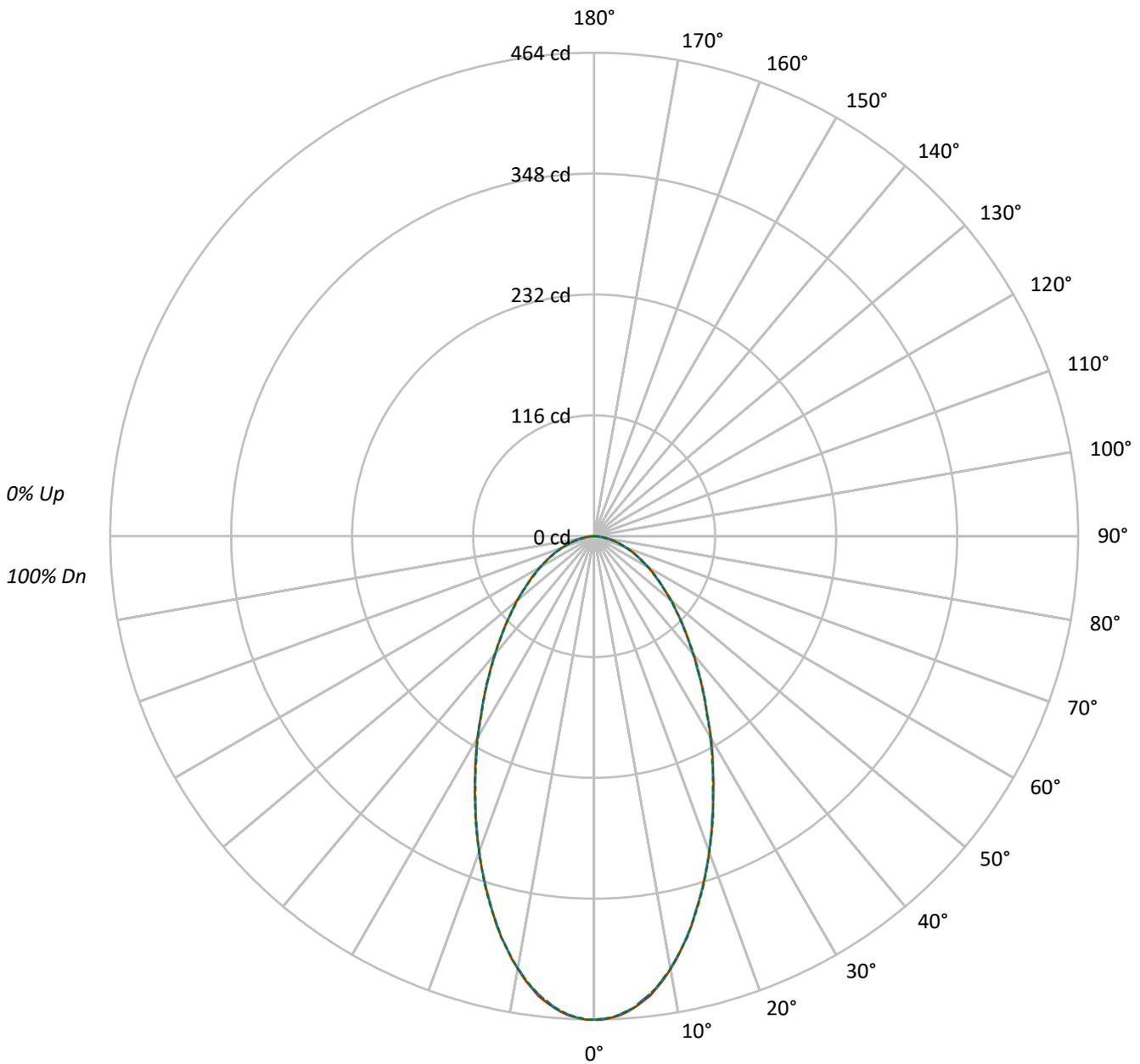
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 619.9 lumens
Efficiency: N/A
Efficacy: 55.9 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°



TEST NUMBER: P1259611

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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° | 101768 | 101768 | 101768 |
| 5° | 99868 | 99692 | 99868 |
| 10° | 93897 | 93719 | 93897 |
| 15° | 85018 | 85018 | 85199 |
| 20° | 75257 | 75257 | 75257 |
| 25° | 65447 | 65254 | 65254 |
| 30° | 56718 | 56312 | 56515 |
| 35° | 48827 | 48613 | 48827 |
| 40° | 42365 | 42136 | 42365 |
| 45° | 37213 | 36965 | 36965 |
| 50° | 33022 | 32749 | 32749 |
| 55° | 29055 | 29055 | 29055 |
| 60° | 26314 | 25963 | 26314 |
| 65° | 23660 | 23660 | 23660 |
| 70° | 21029 | 21029 | 21029 |
| 75° | 18978 | 18300 | 18978 |
| 80° | 16164 | 16164 | 16164 |
| 85° | 10064 | 10064 | 10064 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 37213 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.2 | 6.8 |
| 10°-20° | 104.5 | 16.9 |
| 20°-30° | 124.1 | 20.0 |
| 30°-40° | 114.0 | 18.4 |
| 40°-50° | 92.6 | 14.9 |
| 50°-60° | 68.5 | 11.1 |
| 60°-70° | 45.3 | 7.3 |
| 70°-80° | 23.5 | 3.8 |
| 80°-90° | 5.3 | 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° | 270.8 | 43.7 |
| 0°-40° | 384.8 | 62.1 |
| 0°-60° | 545.9 | 88.1 |
| 0°-90° | 619.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 619.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 464 | 464 | 464 | 464 | 464 | |
| 5° | 454 | 453 | 453 | 453 | 454 | 42 |
| 15° | 374 | 374 | 374 | 374 | 375 | 105 |
| 25° | 270 | 270 | 270 | 270 | 270 | 124 |
| 35° | 182 | 182 | 182 | 182 | 182 | 114 |
| 45° | 120 | 119 | 119 | 119 | 119 | 93 |
| 55° | 76 | 76 | 76 | 76 | 76 | 69 |
| 65° | 46 | 46 | 46 | 46 | 46 | 45 |
| 75° | 22 | 22 | 22 | 22 | 22 | 24 |
| 85° | 4 | 4 | 4 | 4 | 4 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1259611

CATALOG NUMBER: P3AS09R359050DE010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 |
| 1° | 464.1 | 463.3 | 463.3 | 463.3 | 464.1 |
| 2° | 462.5 | 462.5 | 462.5 | 462.5 | 462.5 |
| 3° | 460.9 | 460.1 | 460.1 | 460.1 | 460.1 |
| 4° | 457.7 | 456.9 | 456.9 | 456.9 | 456.9 |
| 5° | 453.7 | 452.9 | 452.9 | 452.9 | 453.7 |
| 6° | 448.9 | 448.1 | 447.3 | 447.3 | 448.1 |
| 7° | 444.1 | 442.5 | 442.5 | 442.5 | 442.5 |
| 8° | 436.9 | 436.1 | 436.1 | 436.1 | 436.1 |
| 9° | 429.7 | 428.1 | 428.9 | 428.9 | 428.9 |
| 10° | 421.7 | 420.9 | 420.9 | 420.9 | 421.7 |
| 11° | 413.7 | 412.9 | 412.9 | 412.1 | 412.9 |
| 12° | 404.1 | 404.1 | 404.1 | 404.1 | 404.1 |
| 13° | 395.3 | 394.5 | 394.5 | 394.5 | 395.3 |
| 14° | 385.7 | 384.9 | 384.9 | 384.9 | 384.9 |
| 15° | 374.5 | 374.5 | 374.5 | 374.5 | 375.3 |
| 17.5° | 348.9 | 348.1 | 348.9 | 348.9 | 349.7 |
| 20° | 322.5 | 321.7 | 322.5 | 322.5 | 322.5 |
| 22.5° | 296.1 | 296.1 | 295.3 | 296.1 | 296.9 |
| 25° | 270.5 | 269.7 | 269.7 | 270.5 | 269.7 |
| 27.5° | 246.4 | 245.6 | 245.6 | 245.6 | 245.6 |
| 30° | 224.0 | 222.4 | 222.4 | 223.2 | 223.2 |
| 32.5° | 200.8 | 200.8 | 201.6 | 200.8 | 200.8 |
| 35° | 182.4 | 181.6 | 181.6 | 182.4 | 182.4 |
| 37.5° | 164.0 | 163.2 | 163.2 | 164.0 | 164.0 |
| 40° | 148.0 | 148.0 | 147.2 | 148.0 | 148.0 |
| 42.5° | 132.8 | 132.8 | 132.8 | 132.8 | 132.8 |
| 45° | 120.0 | 119.2 | 119.2 | 119.2 | 119.2 |
| 47.5° | 107.2 | 107.2 | 107.2 | 106.4 | 107.2 |
| 50° | 96.8 | 96.0 | 96.0 | 96.0 | 96.0 |
| 52.5° | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| 55° | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| 57.5° | 68.0 | 67.2 | 67.2 | 67.2 | 67.2 |
| 60° | 60.0 | 60.0 | 59.2 | 60.0 | 60.0 |
| 62.5° | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| 65° | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| 67.5° | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 |
| 70° | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| 72.5° | 28.0 | 27.2 | 27.2 | 27.2 | 27.2 |
| 75° | 22.4 | 22.4 | 21.6 | 22.4 | 22.4 |
| 77.5° | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 80° | 12.8 | 12.8 | 12.8 | 12.0 | 12.8 |
| 82.5° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 85° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 87.5° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 |



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CATALOG NUMBER: P3AS09R359050DE010 E3PHLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)