

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: P1296779

Luminaire Tested: P3AS13R35W2N902750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296779
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: P3AS13R35W2N902750DE010 E3PHLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

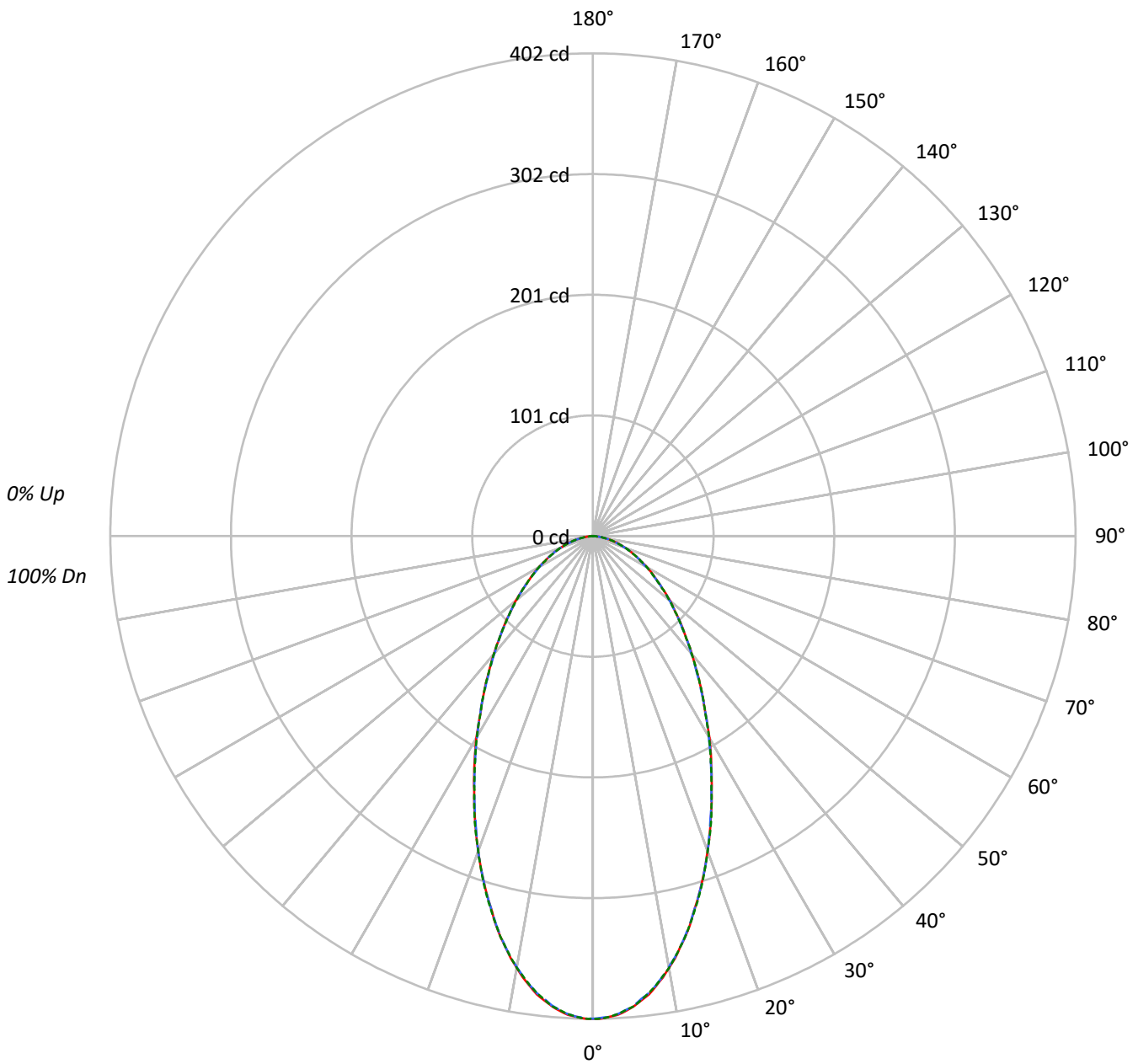
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 43.7 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): 12.3
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% Up
100% Dn

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 88151 | 88151 | 88151 |
| 5° | 86506 | 86352 | 86506 |
| 10° | 81317 | 81161 | 81317 |
| 15° | 73621 | 73621 | 73780 |
| 20° | 65176 | 65176 | 65176 |
| 25° | 56665 | 56519 | 56519 |
| 30° | 49147 | 48792 | 48970 |
| 35° | 42295 | 42108 | 42295 |
| 40° | 36697 | 36497 | 36697 |
| 45° | 32251 | 32034 | 32034 |
| 50° | 28622 | 28383 | 28383 |
| 55° | 25156 | 25156 | 25156 |
| 60° | 22805 | 22498 | 22805 |
| 65° | 20495 | 20495 | 20495 |
| 70° | 18208 | 18208 | 18208 |
| 75° | 16436 | 15843 | 16436 |
| 80° | 14017 | 14017 | 14017 |
| 85° | 8806 | 8806 | 8806 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 32251 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 36.6 | 6.8 |
| 10°-20° | 90.5 | 16.8 |
| 20°-30° | 107.5 | 20.0 |
| 30°-40° | 98.8 | 18.4 |
| 40°-50° | 80.2 | 14.9 |
| 50°-60° | 59.4 | 11.1 |
| 60°-70° | 39.2 | 7.3 |
| 70°-80° | 20.3 | 3.8 |
| 80°-90° | 4.6 | 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° | 234.5 | 43.7 |
| 0°-40° | 333.3 | 62.1 |
| 0°-60° | 472.9 | 88.1 |
| 0°-90° | 537.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 537.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 402 | 402 | 402 | 402 | 402 | |
| 5° | 393 | 392 | 392 | 392 | 393 | 37 |
| 15° | 324 | 324 | 324 | 324 | 325 | 91 |
| 25° | 234 | 234 | 234 | 234 | 234 | 108 |
| 35° | 158 | 157 | 157 | 158 | 158 | 99 |
| 45° | 104 | 103 | 103 | 103 | 103 | 80 |
| 55° | 66 | 66 | 66 | 66 | 66 | 60 |
| 65° | 40 | 40 | 40 | 40 | 40 | 39 |
| 75° | 19 | 19 | 19 | 19 | 19 | 21 |
| 85° | 4 | 4 | 4 | 4 | 4 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 |
| 1° | 402.0 | 401.3 | 401.3 | 401.3 | 402.0 |
| 2° | 400.6 | 400.6 | 400.6 | 400.6 | 400.6 |
| 3° | 399.2 | 398.5 | 398.5 | 398.5 | 398.5 |
| 4° | 396.4 | 395.7 | 395.7 | 395.7 | 395.7 |
| 5° | 393.0 | 392.3 | 392.3 | 392.3 | 393.0 |
| 6° | 388.8 | 388.1 | 387.4 | 387.4 | 388.1 |
| 7° | 384.6 | 383.3 | 383.3 | 383.3 | 383.3 |
| 8° | 378.4 | 377.7 | 377.7 | 377.7 | 377.7 |
| 9° | 372.2 | 370.8 | 371.5 | 371.5 | 371.5 |
| 10° | 365.2 | 364.5 | 364.5 | 364.5 | 365.2 |
| 11° | 358.3 | 357.6 | 357.6 | 356.9 | 357.6 |
| 12° | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13° | 342.4 | 341.7 | 341.7 | 341.7 | 342.4 |
| 14° | 334.0 | 333.4 | 333.4 | 333.4 | 333.4 |
| 15° | 324.3 | 324.3 | 324.3 | 324.3 | 325.0 |
| 17.5° | 302.2 | 301.5 | 302.2 | 302.2 | 302.9 |
| 20° | 279.3 | 278.6 | 279.3 | 279.3 | 279.3 |
| 22.5° | 256.4 | 256.4 | 255.7 | 256.4 | 257.1 |
| 25° | 234.2 | 233.6 | 233.6 | 234.2 | 233.6 |
| 27.5° | 213.5 | 212.8 | 212.8 | 212.8 | 212.8 |
| 30° | 194.1 | 192.7 | 192.7 | 193.4 | 193.4 |
| 32.5° | 174.0 | 174.0 | 174.6 | 174.0 | 174.0 |
| 35° | 158.0 | 157.3 | 157.3 | 158.0 | 158.0 |
| 37.5° | 142.1 | 141.4 | 141.4 | 142.1 | 142.1 |
| 40° | 128.2 | 128.2 | 127.5 | 128.2 | 128.2 |
| 42.5° | 115.0 | 115.0 | 115.0 | 115.0 | 115.0 |
| 45° | 104.0 | 103.3 | 103.3 | 103.3 | 103.3 |
| 47.5° | 92.9 | 92.9 | 92.9 | 92.2 | 92.9 |
| 50° | 83.9 | 83.2 | 83.2 | 83.2 | 83.2 |
| 52.5° | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 55° | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| 57.5° | 58.9 | 58.2 | 58.2 | 58.2 | 58.2 |
| 60° | 52.0 | 52.0 | 51.3 | 52.0 | 52.0 |
| 62.5° | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 65° | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| 67.5° | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 70° | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 72.5° | 24.3 | 23.6 | 23.6 | 23.6 | 23.6 |
| 75° | 19.4 | 19.4 | 18.7 | 19.4 | 19.4 |
| 77.5° | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 |
| 80° | 11.1 | 11.1 | 11.1 | 10.4 | 11.1 |
| 82.5° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 85° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 87.5° | 0.7 | 0.7 | 0.7 | 1.4 | 1.4 |



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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)