

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: P1446080

Luminaire Tested: P3ART17R709040DE010 E3CLDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART17R709040DE010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

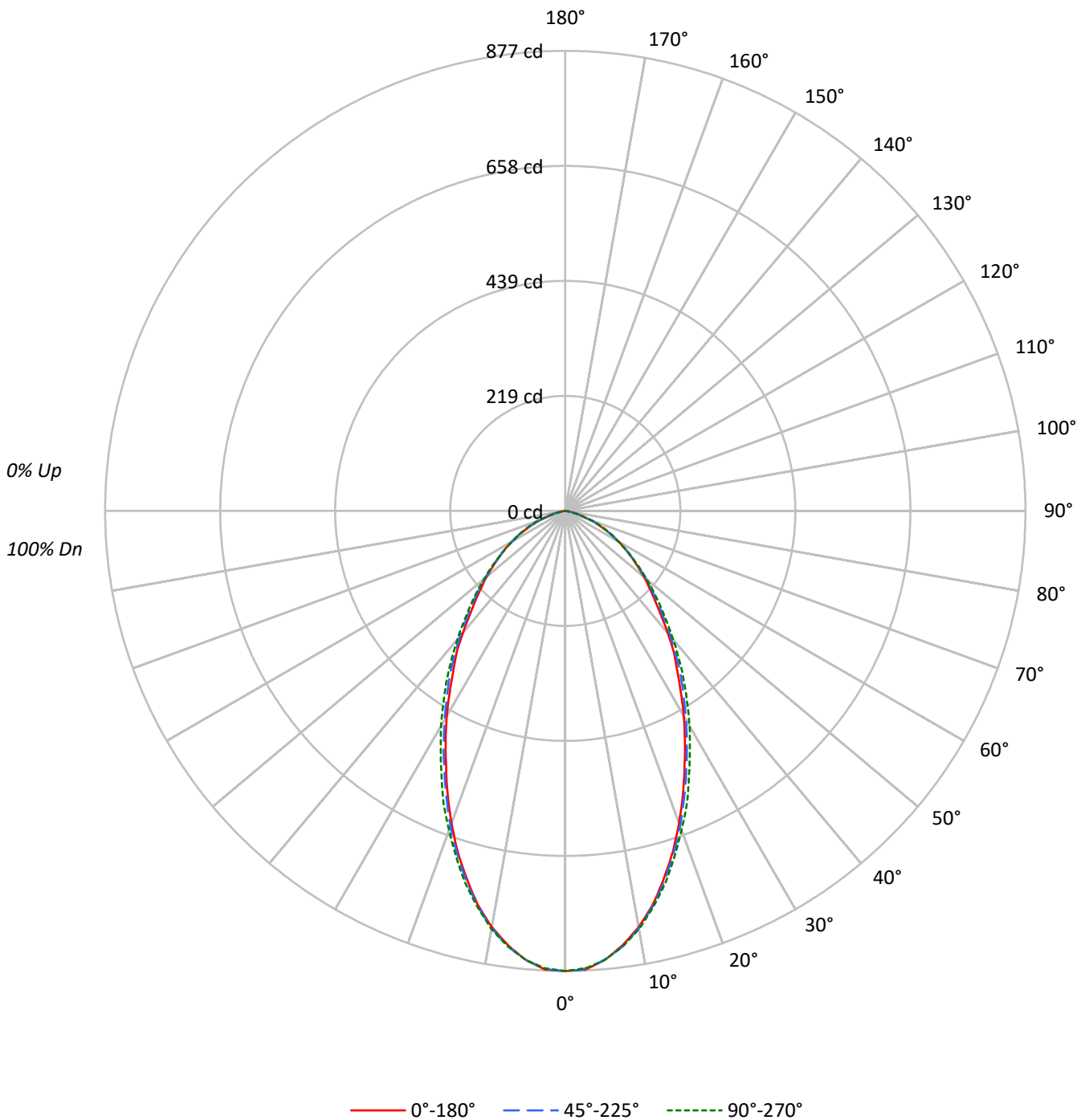
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1222.0 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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 | 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 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | 89 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 78 | 78 | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 69 | 69 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 61 | 61 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 55 | 55 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 | 50 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 45 | 45 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 | 41 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 38 | 38 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 35 | 35 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 192375 | 192375 | 192375 |
| 5° | 189170 | 189170 | 189170 |
| 10° | 179333 | 179778 | 180224 |
| 15° | 164700 | 165608 | 166948 |
| 20° | 147830 | 149230 | 151096 |
| 25° | 130072 | 132008 | 134911 |
| 30° | 114372 | 116398 | 119917 |
| 35° | 99501 | 102714 | 105390 |
| 40° | 86963 | 89253 | 91543 |
| 45° | 74985 | 77465 | 79326 |
| 50° | 66829 | 68160 | 68842 |
| 55° | 58837 | 59601 | 59601 |
| 60° | 51706 | 50829 | 51706 |
| 65° | 42495 | 43533 | 44570 |
| 70° | 33339 | 33339 | 34621 |
| 75° | 22028 | 20334 | 20334 |
| 80° | 12628 | 10102 | 7577 |
| 85° | 5032 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 79326 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 80.4 | 6.6 |
| 10°-20° | 203.7 | 16.7 |
| 20°-30° | 251.3 | 20.6 |
| 30°-40° | 239.4 | 19.6 |
| 40°-50° | 193.7 | 15.9 |
| 50°-60° | 139.5 | 11.4 |
| 60°-70° | 83.5 | 6.8 |
| 70°-80° | 28.0 | 2.3 |
| 80°-90° | 2.4 | 0.2 |
| 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° | 535.4 | 43.8 |
| 0°-40° | 774.8 | 63.4 |
| 0°-60° | 1108.1 | 90.7 |
| 0°-90° | 1222.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1222.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 877 | 877 | 877 | 877 | 877 | |
| 5° | 859 | 859 | 859 | 860 | 859 | 80 |
| 15° | 726 | 727 | 730 | 732 | 735 | 203 |
| 25° | 538 | 541 | 546 | 554 | 558 | 247 |
| 35° | 372 | 375 | 384 | 391 | 394 | 234 |
| 45° | 242 | 245 | 250 | 254 | 256 | 188 |
| 55° | 154 | 154 | 156 | 156 | 156 | 139 |
| 65° | 82 | 84 | 84 | 86 | 86 | 82 |
| 75° | 26 | 26 | 24 | 24 | 24 | 29 |
| 85° | 2 | 2 | 0 | 0 | 0 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446080
 CATALOG NUMBER: P3ART17R709040DE010 E3CLDWW1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 877.3 | 877.3 | 877.3 | 877.3 | 877.3 | 877.3 | 877.3 | 877.3 | 877.3 | 877.3 | 877.3 |
| 2° | 875.3 | 875.3 | 875.3 | 875.3 | 875.3 | 875.3 | 875.3 | 875.3 | 875.3 | 875.3 | 873.3 |
| 2.5° | 875.3 | 873.3 | 873.3 | 873.3 | 873.3 | 873.3 | 873.3 | 873.3 | 873.3 | 875.3 | 873.3 |
| 5° | 859.4 | 859.4 | 859.4 | 859.4 | 859.4 | 859.4 | 859.4 | 859.4 | 861.4 | 859.4 | 859.4 |
| 7.5° | 835.4 | 835.4 | 835.4 | 835.4 | 837.4 | 837.4 | 837.4 | 837.4 | 839.4 | 839.4 | 837.4 |
| 10° | 805.4 | 805.4 | 805.4 | 805.4 | 807.4 | 807.4 | 809.4 | 807.4 | 807.4 | 809.4 | 809.4 |
| 12.5° | 769.4 | 767.4 | 767.4 | 767.4 | 769.4 | 771.4 | 771.4 | 771.4 | 773.4 | 773.4 | 773.4 |
| 15° | 725.5 | 725.5 | 725.5 | 727.5 | 727.5 | 729.5 | 731.4 | 731.4 | 733.4 | 733.4 | 735.4 |
| 17.5° | 681.5 | 681.5 | 679.5 | 681.5 | 683.5 | 685.5 | 687.5 | 689.5 | 691.5 | 691.5 | 691.5 |
| 20° | 633.5 | 631.5 | 633.5 | 635.5 | 637.5 | 639.5 | 641.5 | 645.5 | 647.5 | 647.5 | 647.5 |
| 22.5° | 585.6 | 583.6 | 585.6 | 587.6 | 589.6 | 591.6 | 597.5 | 599.5 | 601.5 | 601.5 | 605.5 |
| 25° | 537.6 | 537.6 | 539.6 | 541.6 | 543.6 | 545.6 | 549.6 | 553.6 | 555.6 | 557.6 | 557.6 |
| 27.5° | 493.6 | 493.6 | 493.6 | 493.6 | 497.6 | 501.6 | 505.6 | 509.6 | 511.6 | 513.6 | 513.6 |
| 30° | 451.7 | 449.7 | 449.7 | 451.7 | 455.7 | 459.7 | 463.7 | 467.6 | 469.6 | 471.6 | 473.6 |
| 32.5° | 409.7 | 409.7 | 409.7 | 411.7 | 413.7 | 419.7 | 423.7 | 425.7 | 429.7 | 431.7 | 431.7 |
| 35° | 371.7 | 371.7 | 371.7 | 375.7 | 379.7 | 383.7 | 385.7 | 389.7 | 393.7 | 393.7 | 393.7 |
| 37.5° | 339.7 | 341.7 | 345.7 | 343.7 | 343.7 | 345.7 | 347.7 | 351.7 | 355.7 | 355.7 | 355.7 |
| 40° | 303.8 | 305.8 | 307.8 | 305.8 | 307.8 | 311.8 | 313.8 | 315.8 | 317.8 | 319.8 | 319.8 |
| 42.5° | 269.8 | 269.8 | 269.8 | 271.8 | 275.8 | 277.8 | 281.8 | 283.8 | 285.8 | 285.8 | 285.8 |
| 45° | 241.8 | 241.8 | 243.8 | 245.8 | 247.8 | 249.8 | 251.8 | 253.8 | 255.8 | 255.8 | 255.8 |
| 47.5° | 217.8 | 217.8 | 219.8 | 219.8 | 221.8 | 223.8 | 225.8 | 225.8 | 227.8 | 229.8 | 227.8 |
| 50° | 195.9 | 195.9 | 195.9 | 197.9 | 197.9 | 199.8 | 199.8 | 201.8 | 201.8 | 201.8 | 201.8 |
| 52.5° | 173.9 | 173.9 | 173.9 | 173.9 | 175.9 | 175.9 | 175.9 | 177.9 | 177.9 | 177.9 | 177.9 |
| 55° | 153.9 | 153.9 | 153.9 | 153.9 | 153.9 | 155.9 | 155.9 | 155.9 | 155.9 | 155.9 | 155.9 |
| 57.5° | 135.9 | 135.9 | 135.9 | 135.9 | 135.9 | 135.9 | 135.9 | 135.9 | 135.9 | 135.9 | 135.9 |
| 60° | 117.9 | 117.9 | 117.9 | 117.9 | 117.9 | 115.9 | 117.9 | 117.9 | 117.9 | 117.9 | 117.9 |
| 62.5° | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 101.9 | 101.9 | 101.9 | 101.9 |
| 65° | 81.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| 67.5° | 66.0 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 69.9 | 69.9 | 69.9 |
| 70° | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 54.0 |
| 72.5° | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 38.0 | 38.0 | 38.0 |
| 75° | 26.0 | 26.0 | 26.0 | 26.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| 77.5° | 18.0 | 18.0 | 18.0 | 16.0 | 16.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 12.0 |
| 80° | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 8.0 | 8.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 82.5° | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 85° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)