

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: P#

Luminaire Tested: P3ART20R709024D010 E3LDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART20R709024D010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

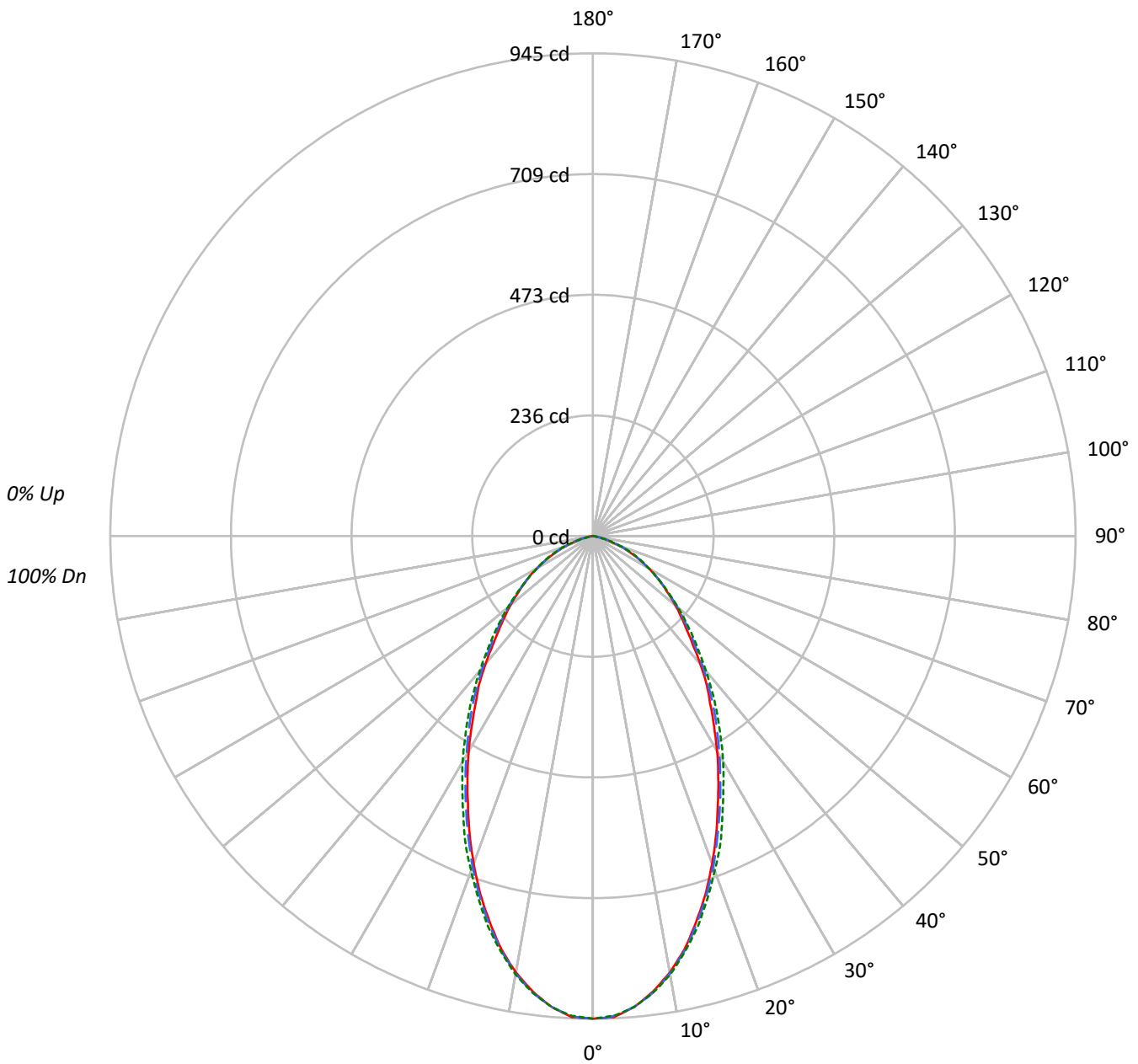
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1316.0 lumens
Efficiency: N/A
Efficacy: 45.7 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): 28.8
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

TEST NUMBER: P#
CATALOG NUMBER: P3ART20R709024D010 E3LDWW1MW

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 207176 | 207176 | 207176 |
| 5° | 203719 | 203719 | 203719 |
| 10° | 193116 | 193606 | 194096 |
| 15° | 177368 | 178344 | 179797 |
| 20° | 159217 | 160711 | 162717 |
| 25° | 140065 | 142170 | 145291 |
| 30° | 123158 | 125336 | 129159 |
| 35° | 107157 | 110610 | 113502 |
| 40° | 93633 | 96094 | 98585 |
| 45° | 80753 | 83420 | 85435 |
| 50° | 71946 | 73413 | 74164 |
| 55° | 63348 | 64189 | 64189 |
| 60° | 55697 | 54732 | 55697 |
| 65° | 45764 | 46905 | 47995 |
| 70° | 35903 | 35903 | 37250 |
| 75° | 23723 | 21859 | 21859 |
| 80° | 13638 | 10860 | 8208 |
| 85° | 5535 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 85435 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.6 | 6.6 |
| 10°-20° | 219.4 | 16.7 |
| 20°-30° | 270.6 | 20.6 |
| 30°-40° | 257.9 | 19.6 |
| 40°-50° | 208.6 | 15.9 |
| 50°-60° | 150.3 | 11.4 |
| 60°-70° | 90.0 | 6.8 |
| 70°-80° | 30.1 | 2.3 |
| 80°-90° | 2.6 | 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° | 576.6 | 43.8 |
| 0°-40° | 834.5 | 63.4 |
| 0°-60° | 1193.3 | 90.7 |
| 0°-90° | 1316.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1316.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 945 | 945 | 945 | 945 | 945 | |
| 5° | 926 | 926 | 926 | 926 | 926 | 86 |
| 15° | 781 | 783 | 786 | 788 | 792 | 218 |
| 25° | 579 | 583 | 588 | 597 | 600 | 266 |
| 35° | 400 | 404 | 413 | 421 | 424 | 252 |
| 45° | 260 | 264 | 269 | 274 | 276 | 203 |
| 55° | 166 | 166 | 168 | 168 | 168 | 149 |
| 65° | 88 | 90 | 90 | 92 | 92 | 88 |
| 75° | 28 | 28 | 26 | 26 | 26 | 31 |
| 85° | 2 | 2 | 0 | 0 | 0 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709024D010 E3LDWW1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 944.8 | 944.8 | 944.8 | 944.8 | 944.8 | 944.8 | 944.8 | 944.8 | 944.8 | 944.8 | 944.8 |
| 2° | 942.7 | 942.7 | 942.7 | 942.7 | 942.7 | 942.7 | 942.7 | 942.7 | 942.7 | 942.7 | 940.5 |
| 2.5° | 942.7 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 942.7 | 940.5 |
| 5° | 925.5 | 925.5 | 925.5 | 925.5 | 925.5 | 925.5 | 925.5 | 925.5 | 927.6 | 925.5 | 925.5 |
| 7.5° | 899.6 | 899.6 | 899.6 | 899.6 | 901.8 | 901.8 | 901.8 | 901.8 | 903.9 | 903.9 | 901.8 |
| 10° | 867.3 | 867.3 | 867.3 | 867.3 | 869.5 | 869.5 | 871.7 | 869.5 | 869.5 | 871.7 | 871.7 |
| 12.5° | 828.6 | 826.5 | 826.5 | 826.5 | 828.6 | 830.8 | 830.8 | 830.8 | 832.9 | 832.9 | 832.9 |
| 15° | 781.3 | 781.3 | 781.3 | 783.4 | 783.4 | 785.6 | 787.7 | 787.7 | 789.9 | 789.9 | 792.0 |
| 17.5° | 733.9 | 733.9 | 731.8 | 733.9 | 736.1 | 738.2 | 740.4 | 742.5 | 744.7 | 744.7 | 744.7 |
| 20° | 682.3 | 680.1 | 682.3 | 684.4 | 686.6 | 688.7 | 690.9 | 695.2 | 697.3 | 697.3 | 697.3 |
| 22.5° | 630.6 | 628.4 | 630.6 | 632.8 | 634.9 | 637.1 | 643.5 | 645.7 | 647.8 | 647.8 | 652.1 |
| 25° | 578.9 | 578.9 | 581.1 | 583.3 | 585.4 | 587.6 | 591.9 | 596.2 | 598.3 | 600.5 | 600.5 |
| 27.5° | 531.6 | 531.6 | 531.6 | 531.6 | 535.9 | 540.2 | 544.5 | 548.8 | 551.0 | 553.1 | 553.1 |
| 30° | 486.4 | 484.3 | 484.3 | 486.4 | 490.7 | 495.0 | 499.3 | 503.6 | 505.8 | 507.9 | 510.1 |
| 32.5° | 441.2 | 441.2 | 441.2 | 443.4 | 445.5 | 452.0 | 456.3 | 458.4 | 462.7 | 464.9 | 464.9 |
| 35° | 400.3 | 400.3 | 400.3 | 404.6 | 408.9 | 413.2 | 415.4 | 419.7 | 424.0 | 424.0 | 424.0 |
| 37.5° | 365.9 | 368.0 | 372.3 | 370.2 | 370.2 | 372.3 | 374.5 | 378.8 | 383.1 | 383.1 | 383.1 |
| 40° | 327.1 | 329.3 | 331.4 | 329.3 | 331.4 | 335.7 | 337.9 | 340.1 | 342.2 | 344.4 | 344.4 |
| 42.5° | 290.6 | 290.6 | 290.6 | 292.7 | 297.0 | 299.2 | 303.5 | 305.6 | 307.8 | 307.8 | 307.8 |
| 45° | 260.4 | 260.4 | 262.6 | 264.7 | 266.9 | 269.0 | 271.2 | 273.3 | 275.5 | 275.5 | 275.5 |
| 47.5° | 234.6 | 234.6 | 236.7 | 236.7 | 238.9 | 241.0 | 243.2 | 243.2 | 245.4 | 247.5 | 245.4 |
| 50° | 210.9 | 210.9 | 210.9 | 213.1 | 213.1 | 215.2 | 215.2 | 217.4 | 217.4 | 217.4 | 217.4 |
| 52.5° | 187.2 | 187.2 | 187.2 | 187.2 | 189.4 | 189.4 | 189.4 | 191.5 | 191.5 | 191.5 | 191.5 |
| 55° | 165.7 | 165.7 | 165.7 | 165.7 | 165.7 | 167.9 | 167.9 | 167.9 | 167.9 | 167.9 | 167.9 |
| 57.5° | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 |
| 60° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 124.8 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 62.5° | 107.6 | 107.6 | 107.6 | 107.6 | 107.6 | 107.6 | 107.6 | 109.8 | 109.8 | 109.8 | 109.8 |
| 65° | 88.2 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 92.5 | 92.5 | 92.5 | 92.5 |
| 67.5° | 71.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 75.3 | 75.3 | 75.3 |
| 70° | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 58.1 |
| 72.5° | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 40.9 | 40.9 | 40.9 |
| 75° | 28.0 | 28.0 | 28.0 | 28.0 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 |
| 77.5° | 19.4 | 19.4 | 19.4 | 17.2 | 17.2 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 12.9 |
| 80° | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 8.6 | 8.6 | 6.5 | 6.5 | 6.5 | 6.5 |
| 82.5° | 6.5 | 6.5 | 6.5 | 4.3 | 4.3 | 4.3 | 4.3 | 2.2 | 2.2 | 2.2 | 2.2 |
| 85° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 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)