

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: P3ART17R70W2N902765DE010 E3LDWW1WMH_2700K

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: P3ART17R70W2N902765DE010 E3LDWW1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3LDWW1WMH TRIM
Light Source: -
Ballast/Driver: -

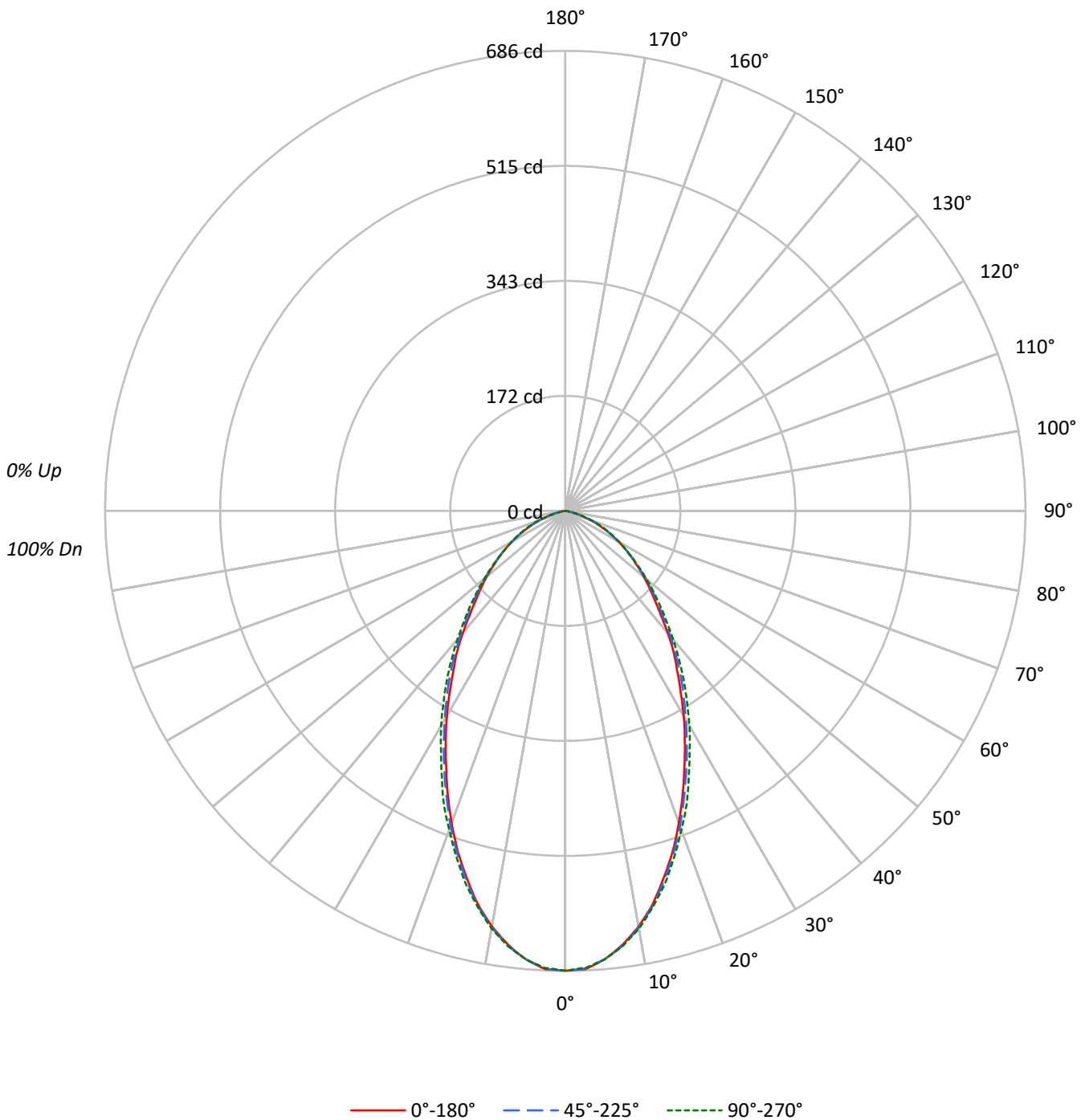
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 955.0 lumens
Efficiency: N/A
Efficacy: 49.2 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): 19.4
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

TEST NUMBER: P#
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Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART17R70W2N902765DE010 E3LDWW1WMH_2700K

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 150339 | 150339 | 150339 |
| 5° | 147831 | 147831 | 147831 |
| 10° | 140144 | 140501 | 140835 |
| 15° | 128695 | 129422 | 130489 |
| 20° | 115533 | 116630 | 118077 |
| 25° | 101643 | 103167 | 105442 |
| 30° | 89381 | 90951 | 93736 |
| 35° | 77765 | 80281 | 82369 |
| 40° | 67956 | 69731 | 71534 |
| 45° | 58611 | 60533 | 61991 |
| 50° | 52229 | 53286 | 53798 |
| 55° | 45991 | 46565 | 46565 |
| 60° | 40392 | 39734 | 40392 |
| 65° | 33207 | 34037 | 34868 |
| 70° | 26030 | 26030 | 27056 |
| 75° | 17199 | 15843 | 15843 |
| 80° | 9850 | 7829 | 5935 |
| 85° | 4026 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 61991 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 62.8 | 6.6 |
| 10°-20° | 159.2 | 16.7 |
| 20°-30° | 196.4 | 20.6 |
| 30°-40° | 187.1 | 19.6 |
| 40°-50° | 151.4 | 15.9 |
| 50°-60° | 109.0 | 11.4 |
| 60°-70° | 65.3 | 6.8 |
| 70°-80° | 21.9 | 2.3 |
| 80°-90° | 1.9 | 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° | 418.4 | 43.8 |
| 0°-40° | 605.5 | 63.4 |
| 0°-60° | 866.0 | 90.7 |
| 0°-90° | 955.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 955.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 686 | 686 | 686 | 686 | 686 | |
| 5° | 672 | 672 | 672 | 672 | 672 | 63 |
| 15° | 567 | 568 | 570 | 572 | 575 | 158 |
| 25° | 420 | 423 | 426 | 433 | 436 | 193 |
| 35° | 290 | 293 | 300 | 305 | 308 | 183 |
| 45° | 189 | 192 | 195 | 199 | 200 | 147 |
| 55° | 120 | 120 | 122 | 122 | 122 | 108 |
| 65° | 64 | 66 | 66 | 67 | 67 | 64 |
| 75° | 20 | 20 | 19 | 19 | 19 | 23 |
| 85° | 2 | 2 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 |
| 2° | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 682.5 |
| 2.5° | 684.1 | 682.5 | 682.5 | 682.5 | 682.5 | 682.5 | 682.5 | 682.5 | 682.5 | 684.1 | 682.5 |
| 5° | 671.6 | 671.6 | 671.6 | 671.6 | 671.6 | 671.6 | 671.6 | 671.6 | 673.2 | 671.6 | 671.6 |
| 7.5° | 652.8 | 652.8 | 652.8 | 652.8 | 654.4 | 654.4 | 654.4 | 654.4 | 656.0 | 656.0 | 654.4 |
| 10° | 629.4 | 629.4 | 629.4 | 629.4 | 631.0 | 631.0 | 632.5 | 631.0 | 631.0 | 632.5 | 632.5 |
| 12.5° | 601.3 | 599.7 | 599.7 | 599.7 | 601.3 | 602.9 | 602.9 | 602.9 | 604.4 | 604.4 | 604.4 |
| 15° | 566.9 | 566.9 | 566.9 | 568.5 | 568.5 | 570.1 | 571.6 | 571.6 | 573.2 | 573.2 | 574.8 |
| 17.5° | 532.6 | 532.6 | 531.0 | 532.6 | 534.1 | 535.7 | 537.3 | 538.8 | 540.4 | 540.4 | 540.4 |
| 20° | 495.1 | 493.5 | 495.1 | 496.7 | 498.2 | 499.8 | 501.3 | 504.5 | 506.0 | 506.0 | 506.0 |
| 22.5° | 457.6 | 456.1 | 457.6 | 459.2 | 460.7 | 462.3 | 467.0 | 468.6 | 470.1 | 470.1 | 473.2 |
| 25° | 420.1 | 420.1 | 421.7 | 423.3 | 424.8 | 426.4 | 429.5 | 432.6 | 434.2 | 435.8 | 435.8 |
| 27.5° | 385.8 | 385.8 | 385.8 | 385.8 | 388.9 | 392.0 | 395.1 | 398.3 | 399.8 | 401.4 | 401.4 |
| 30° | 353.0 | 351.4 | 351.4 | 353.0 | 356.1 | 359.2 | 362.3 | 365.5 | 367.0 | 368.6 | 370.2 |
| 32.5° | 320.2 | 320.2 | 320.2 | 321.7 | 323.3 | 328.0 | 331.1 | 332.7 | 335.8 | 337.4 | 337.4 |
| 35° | 290.5 | 290.5 | 290.5 | 293.6 | 296.7 | 299.9 | 301.4 | 304.6 | 307.7 | 307.7 | 307.7 |
| 37.5° | 265.5 | 267.1 | 270.2 | 268.6 | 268.6 | 270.2 | 271.8 | 274.9 | 278.0 | 278.0 | 278.0 |
| 40° | 237.4 | 239.0 | 240.5 | 239.0 | 240.5 | 243.6 | 245.2 | 246.8 | 248.3 | 249.9 | 249.9 |
| 42.5° | 210.8 | 210.8 | 210.8 | 212.4 | 215.5 | 217.1 | 220.2 | 221.8 | 223.3 | 223.3 | 223.3 |
| 45° | 189.0 | 189.0 | 190.5 | 192.1 | 193.7 | 195.2 | 196.8 | 198.4 | 199.9 | 199.9 | 199.9 |
| 47.5° | 170.2 | 170.2 | 171.8 | 171.8 | 173.4 | 174.9 | 176.5 | 176.5 | 178.0 | 179.6 | 178.0 |
| 50° | 153.1 | 153.1 | 153.1 | 154.6 | 154.6 | 156.2 | 156.2 | 157.7 | 157.7 | 157.7 | 157.7 |
| 52.5° | 135.9 | 135.9 | 135.9 | 135.9 | 137.4 | 137.4 | 137.4 | 139.0 | 139.0 | 139.0 | 139.0 |
| 55° | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 | 121.8 | 121.8 | 121.8 | 121.8 | 121.8 | 121.8 |
| 57.5° | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 |
| 60° | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 90.6 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| 62.5° | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 79.7 | 79.7 | 79.7 | 79.7 |
| 65° | 64.0 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 67.2 | 67.2 | 67.2 | 67.2 |
| 67.5° | 51.5 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 54.7 | 54.7 | 54.7 |
| 70° | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 42.2 |
| 72.5° | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 29.7 | 29.7 | 29.7 |
| 75° | 20.3 | 20.3 | 20.3 | 20.3 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |
| 77.5° | 14.1 | 14.1 | 14.1 | 12.5 | 12.5 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 9.4 |
| 80° | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 6.2 | 6.2 | 4.7 | 4.7 | 4.7 | 4.7 |
| 82.5° | 4.7 | 4.7 | 4.7 | 3.1 | 3.1 | 3.1 | 3.1 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 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)