

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: P3ART17R70W2N902750DE010 E3LDWW1LI_3500K

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: P3ART17R70W2N902750DE010 E3LDWW1LI_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
E3LDWW1LI TRIM
Light Source: -
Ballast/Driver: -

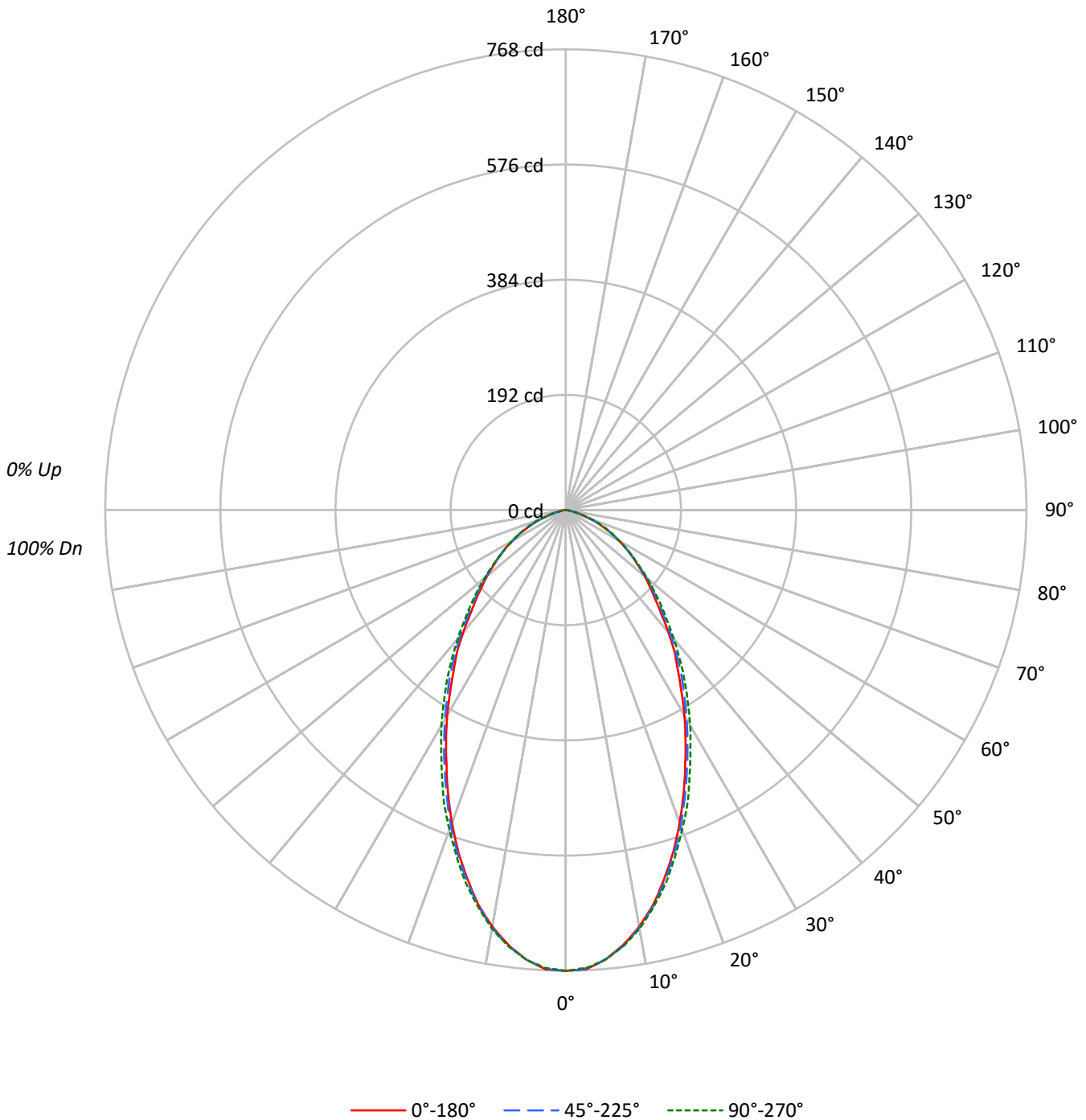
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1069.9 lumens
Efficiency: N/A
Efficacy: 55.2 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#
CATALOG NUMBER: P3ART17R70W2N902750DE010 E3LDWW1LI_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART17R70W2N902750DE010 E3LDWW1LI_3500K

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 | 44 | 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° | 168451 | 168451 | 168451 |
| 5° | 165639 | 165639 | 165639 |
| 10° | 157022 | 157423 | 157802 |
| 15° | 144201 | 144995 | 146198 |
| 20° | 129441 | 130678 | 132312 |
| 25° | 113886 | 115579 | 118120 |
| 30° | 100142 | 101914 | 105003 |
| 35° | 87134 | 89945 | 92274 |
| 40° | 76143 | 78146 | 80150 |
| 45° | 65650 | 67821 | 69465 |
| 50° | 58506 | 59700 | 60279 |
| 55° | 51496 | 52185 | 52185 |
| 60° | 45260 | 44514 | 45260 |
| 65° | 37202 | 38136 | 39018 |
| 70° | 29172 | 29172 | 30262 |
| 75° | 19232 | 17792 | 17792 |
| 80° | 10986 | 8840 | 6566 |
| 85° | 4277 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 69465 cd/sqm



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R70W2N902750DE010 E3LDWW1LI_3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 70.4 | 6.6 |
| 10°-20° | 178.4 | 16.7 |
| 20°-30° | 220.0 | 20.6 |
| 30°-40° | 209.7 | 19.6 |
| 40°-50° | 169.6 | 15.9 |
| 50°-60° | 122.2 | 11.4 |
| 60°-70° | 73.1 | 6.8 |
| 70°-80° | 24.5 | 2.3 |
| 80°-90° | 2.1 | 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° | 468.8 | 43.8 |
| 0°-40° | 678.5 | 63.4 |
| 0°-60° | 970.2 | 90.7 |
| 0°-90° | 1069.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1069.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 768 | 768 | 768 | 768 | 768 | |
| 5° | 752 | 752 | 752 | 753 | 752 | 70 |
| 15° | 635 | 637 | 639 | 641 | 644 | 177 |
| 25° | 471 | 474 | 478 | 485 | 488 | 217 |
| 35° | 326 | 328 | 336 | 342 | 345 | 205 |
| 45° | 212 | 215 | 219 | 223 | 224 | 165 |
| 55° | 135 | 135 | 136 | 136 | 136 | 121 |
| 65° | 72 | 74 | 74 | 75 | 75 | 72 |
| 75° | 23 | 23 | 21 | 21 | 21 | 26 |
| 85° | 2 | 2 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R70W2N902750DE010 E3LDWW1LI_3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 |
| 2° | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 764.7 |
| 2.5° | 766.5 | 764.7 | 764.7 | 764.7 | 764.7 | 764.7 | 764.7 | 764.7 | 764.7 | 766.5 | 764.7 |
| 5° | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 754.2 | 752.5 | 752.5 |
| 7.5° | 731.5 | 731.5 | 731.5 | 731.5 | 733.2 | 733.2 | 733.2 | 733.2 | 735.0 | 735.0 | 733.2 |
| 10° | 705.2 | 705.2 | 705.2 | 705.2 | 707.0 | 707.0 | 708.7 | 707.0 | 707.0 | 708.7 | 708.7 |
| 12.5° | 673.7 | 672.0 | 672.0 | 672.0 | 673.7 | 675.5 | 675.5 | 675.5 | 677.2 | 677.2 | 677.2 |
| 15° | 635.2 | 635.2 | 635.2 | 637.0 | 637.0 | 638.7 | 640.5 | 640.5 | 642.2 | 642.2 | 644.0 |
| 17.5° | 596.7 | 596.7 | 595.0 | 596.7 | 598.5 | 600.2 | 602.0 | 603.7 | 605.5 | 605.5 | 605.5 |
| 20° | 554.7 | 553.0 | 554.7 | 556.5 | 558.2 | 560.0 | 561.7 | 565.2 | 567.0 | 567.0 | 567.0 |
| 22.5° | 512.7 | 511.0 | 512.7 | 514.5 | 516.2 | 518.0 | 523.2 | 525.0 | 526.7 | 526.7 | 530.2 |
| 25° | 470.7 | 470.7 | 472.5 | 474.2 | 476.0 | 477.7 | 481.2 | 484.7 | 486.5 | 488.2 | 488.2 |
| 27.5° | 432.2 | 432.2 | 432.2 | 432.2 | 435.7 | 439.2 | 442.7 | 446.2 | 448.0 | 449.7 | 449.7 |
| 30° | 395.5 | 393.7 | 393.7 | 395.5 | 399.0 | 402.5 | 406.0 | 409.5 | 411.2 | 413.0 | 414.7 |
| 32.5° | 358.7 | 358.7 | 358.7 | 360.5 | 362.2 | 367.5 | 371.0 | 372.7 | 376.2 | 378.0 | 378.0 |
| 35° | 325.5 | 325.5 | 325.5 | 329.0 | 332.5 | 336.0 | 337.7 | 341.2 | 344.7 | 344.7 | 344.7 |
| 37.5° | 297.5 | 299.2 | 302.7 | 301.0 | 301.0 | 302.7 | 304.5 | 308.0 | 311.5 | 311.5 | 311.5 |
| 40° | 266.0 | 267.7 | 269.5 | 267.7 | 269.5 | 273.0 | 274.7 | 276.5 | 278.2 | 280.0 | 280.0 |
| 42.5° | 236.2 | 236.2 | 236.2 | 238.0 | 241.5 | 243.2 | 246.7 | 248.5 | 250.2 | 250.2 | 250.2 |
| 45° | 211.7 | 211.7 | 213.5 | 215.2 | 217.0 | 218.7 | 220.5 | 222.2 | 224.0 | 224.0 | 224.0 |
| 47.5° | 190.7 | 190.7 | 192.5 | 192.5 | 194.2 | 196.0 | 197.7 | 197.7 | 199.5 | 201.2 | 199.5 |
| 50° | 171.5 | 171.5 | 171.5 | 173.2 | 173.2 | 175.0 | 175.0 | 176.7 | 176.7 | 176.7 | 176.7 |
| 52.5° | 152.2 | 152.2 | 152.2 | 152.2 | 154.0 | 154.0 | 154.0 | 155.7 | 155.7 | 155.7 | 155.7 |
| 55° | 134.7 | 134.7 | 134.7 | 134.7 | 134.7 | 136.5 | 136.5 | 136.5 | 136.5 | 136.5 | 136.5 |
| 57.5° | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 |
| 60° | 103.2 | 103.2 | 103.2 | 103.2 | 103.2 | 101.5 | 103.2 | 103.2 | 103.2 | 103.2 | 103.2 |
| 62.5° | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 89.2 | 89.2 | 89.2 | 89.2 |
| 65° | 71.7 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 75.2 | 75.2 | 75.2 | 75.2 |
| 67.5° | 57.7 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 61.2 | 61.2 | 61.2 |
| 70° | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 47.2 |
| 72.5° | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 33.2 | 33.2 | 33.2 |
| 75° | 22.7 | 22.7 | 22.7 | 22.7 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 |
| 77.5° | 15.7 | 15.7 | 15.7 | 14.0 | 14.0 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 10.5 |
| 80° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 7.0 | 7.0 | 5.2 | 5.2 | 5.2 | 5.2 |
| 82.5° | 5.2 | 5.2 | 5.2 | 3.5 | 3.5 | 3.5 | 3.5 | 1.7 | 1.7 | 1.7 | 1.7 |
| 85° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 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)