

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: P3ART13R70W2N902765DE010 E3CLDWW1MMS_4000K

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: P3ART13R70W2N902765DE010 E3CLDWW1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

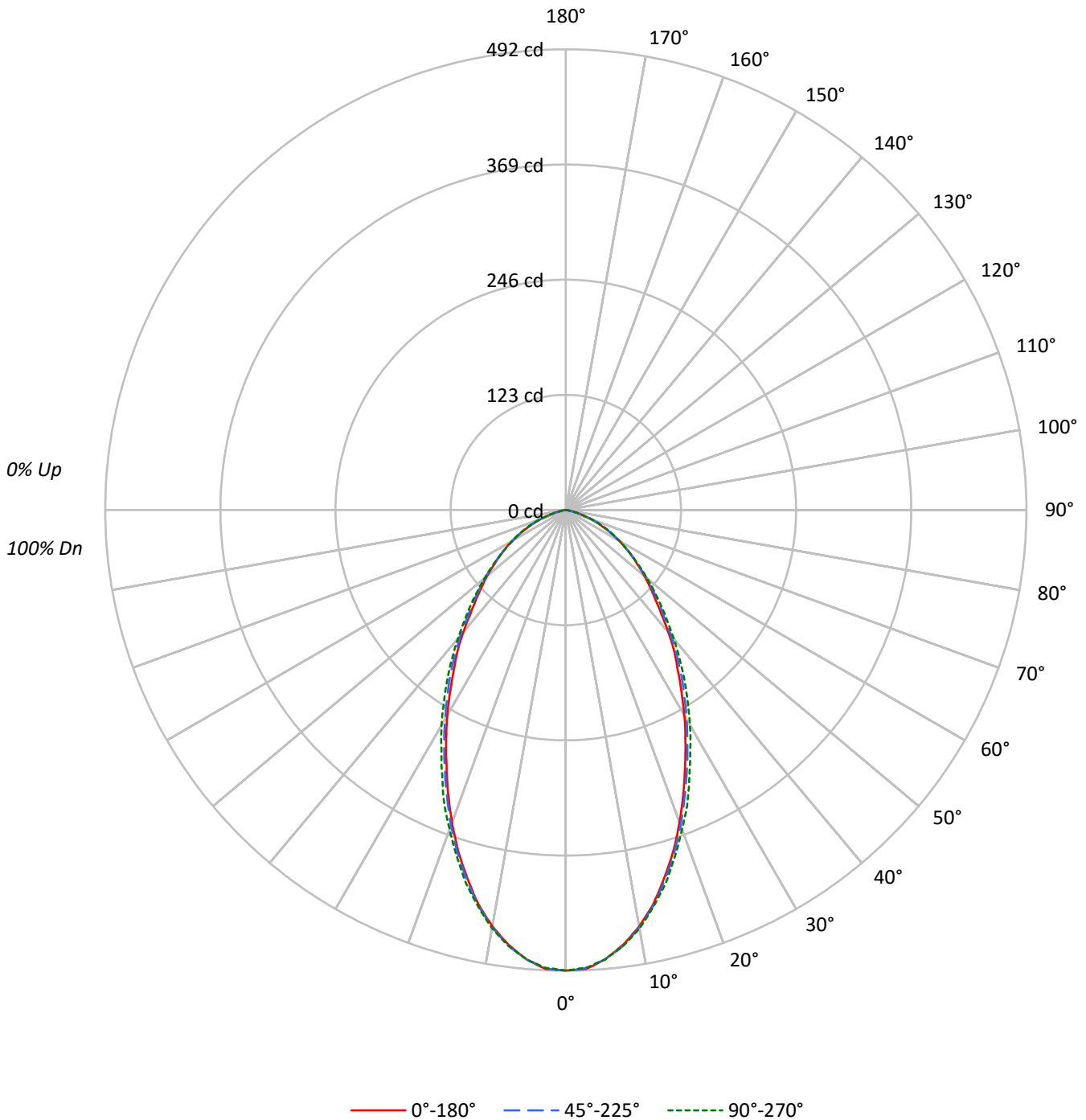
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 685.0 lumens
Efficiency: N/A
Efficacy: 55.7 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): 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





TEST NUMBER: P#

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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° | 107842 | 107842 | 107842 |
| 5° | 106031 | 106031 | 106031 |
| 10° | 100533 | 100777 | 101022 |
| 15° | 92327 | 92827 | 93599 |
| 20° | 82864 | 83657 | 84707 |
| 25° | 72924 | 73988 | 75633 |
| 30° | 64111 | 65251 | 67226 |
| 35° | 55787 | 57581 | 59080 |
| 40° | 48748 | 50037 | 51296 |
| 45° | 42051 | 43415 | 44470 |
| 50° | 37457 | 38208 | 38583 |
| 55° | 32993 | 33413 | 33413 |
| 60° | 28989 | 28506 | 28989 |
| 65° | 23816 | 24438 | 25009 |
| 70° | 18657 | 18657 | 19362 |
| 75° | 12370 | 11353 | 11353 |
| 80° | 7072 | 5683 | 4293 |
| 85° | 2768 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 44470 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.1 | 6.6 |
| 10°-20° | 114.2 | 16.7 |
| 20°-30° | 140.9 | 20.6 |
| 30°-40° | 134.2 | 19.6 |
| 40°-50° | 108.6 | 15.9 |
| 50°-60° | 78.2 | 11.4 |
| 60°-70° | 46.8 | 6.8 |
| 70°-80° | 15.7 | 2.3 |
| 80°-90° | 1.3 | 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° | 300.1 | 43.8 |
| 0°-40° | 434.4 | 63.4 |
| 0°-60° | 621.2 | 90.7 |
| 0°-90° | 685.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 685.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 492 | 492 | 492 | 492 | 492 | |
| 5° | 482 | 482 | 482 | 482 | 482 | 45 |
| 15° | 407 | 408 | 409 | 410 | 412 | 114 |
| 25° | 301 | 303 | 306 | 311 | 313 | 139 |
| 35° | 208 | 210 | 215 | 219 | 221 | 131 |
| 45° | 136 | 138 | 140 | 143 | 143 | 106 |
| 55° | 86 | 86 | 87 | 87 | 87 | 78 |
| 65° | 46 | 47 | 47 | 48 | 48 | 46 |
| 75° | 15 | 15 | 13 | 13 | 13 | 16 |
| 85° | 1 | 1 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70W2N902765DE010 E3CLDWW1MMS_4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 | 491.8 |
| 2° | 490.7 | 490.7 | 490.7 | 490.7 | 490.7 | 490.7 | 490.7 | 490.7 | 490.7 | 490.7 | 489.6 |
| 2.5° | 490.7 | 489.6 | 489.6 | 489.6 | 489.6 | 489.6 | 489.6 | 489.6 | 489.6 | 490.7 | 489.6 |
| 5° | 481.7 | 481.7 | 481.7 | 481.7 | 481.7 | 481.7 | 481.7 | 481.7 | 482.8 | 481.7 | 481.7 |
| 7.5° | 468.3 | 468.3 | 468.3 | 468.3 | 469.4 | 469.4 | 469.4 | 469.4 | 470.5 | 470.5 | 469.4 |
| 10° | 451.5 | 451.5 | 451.5 | 451.5 | 452.6 | 452.6 | 453.7 | 452.6 | 452.6 | 453.7 | 453.7 |
| 12.5° | 431.3 | 430.2 | 430.2 | 430.2 | 431.3 | 432.4 | 432.4 | 432.4 | 433.5 | 433.5 | 433.5 |
| 15° | 406.7 | 406.7 | 406.7 | 407.8 | 407.8 | 408.9 | 410.0 | 410.0 | 411.1 | 411.1 | 412.3 |
| 17.5° | 382.0 | 382.0 | 380.9 | 382.0 | 383.1 | 384.3 | 385.4 | 386.5 | 387.6 | 387.6 | 387.6 |
| 20° | 355.1 | 354.0 | 355.1 | 356.2 | 357.4 | 358.5 | 359.6 | 361.8 | 363.0 | 363.0 | 363.0 |
| 22.5° | 328.2 | 327.1 | 328.2 | 329.4 | 330.5 | 331.6 | 335.0 | 336.1 | 337.2 | 337.2 | 339.4 |
| 25° | 301.4 | 301.4 | 302.5 | 303.6 | 304.7 | 305.8 | 308.1 | 310.3 | 311.4 | 312.6 | 312.6 |
| 27.5° | 276.7 | 276.7 | 276.7 | 276.7 | 278.9 | 281.2 | 283.4 | 285.7 | 286.8 | 287.9 | 287.9 |
| 30° | 253.2 | 252.1 | 252.1 | 253.2 | 255.4 | 257.7 | 259.9 | 262.1 | 263.3 | 264.4 | 265.5 |
| 32.5° | 229.7 | 229.7 | 229.7 | 230.8 | 231.9 | 235.3 | 237.5 | 238.6 | 240.9 | 242.0 | 242.0 |
| 35° | 208.4 | 208.4 | 208.4 | 210.6 | 212.9 | 215.1 | 216.2 | 218.5 | 220.7 | 220.7 | 220.7 |
| 37.5° | 190.4 | 191.6 | 193.8 | 192.7 | 192.7 | 193.8 | 194.9 | 197.2 | 199.4 | 199.4 | 199.4 |
| 40° | 170.3 | 171.4 | 172.5 | 171.4 | 172.5 | 174.8 | 175.9 | 177.0 | 178.1 | 179.2 | 179.2 |
| 42.5° | 151.2 | 151.2 | 151.2 | 152.4 | 154.6 | 155.7 | 158.0 | 159.1 | 160.2 | 160.2 | 160.2 |
| 45° | 135.6 | 135.6 | 136.7 | 137.8 | 138.9 | 140.0 | 141.2 | 142.3 | 143.4 | 143.4 | 143.4 |
| 47.5° | 122.1 | 122.1 | 123.2 | 123.2 | 124.3 | 125.5 | 126.6 | 126.6 | 127.7 | 128.8 | 127.7 |
| 50° | 109.8 | 109.8 | 109.8 | 110.9 | 110.9 | 112.0 | 112.0 | 113.1 | 113.1 | 113.1 | 113.1 |
| 52.5° | 97.5 | 97.5 | 97.5 | 97.5 | 98.6 | 98.6 | 98.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| 55° | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 57.5° | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| 60° | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 65.0 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| 62.5° | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 57.1 | 57.1 | 57.1 | 57.1 |
| 65° | 45.9 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 48.2 | 48.2 | 48.2 | 48.2 |
| 67.5° | 37.0 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 39.2 | 39.2 | 39.2 |
| 70° | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 30.2 |
| 72.5° | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 21.3 | 21.3 | 21.3 |
| 75° | 14.6 | 14.6 | 14.6 | 14.6 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| 77.5° | 10.1 | 10.1 | 10.1 | 9.0 | 9.0 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 6.7 |
| 80° | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 4.5 | 4.5 | 3.4 | 3.4 | 3.4 | 3.4 |
| 82.5° | 3.4 | 3.4 | 3.4 | 2.2 | 2.2 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 85° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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)