

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: P3ART13R70B2750DE010 E3CLDWW1MW_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: P3ART13R70B2750DE010 E3CLDWW1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 80CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

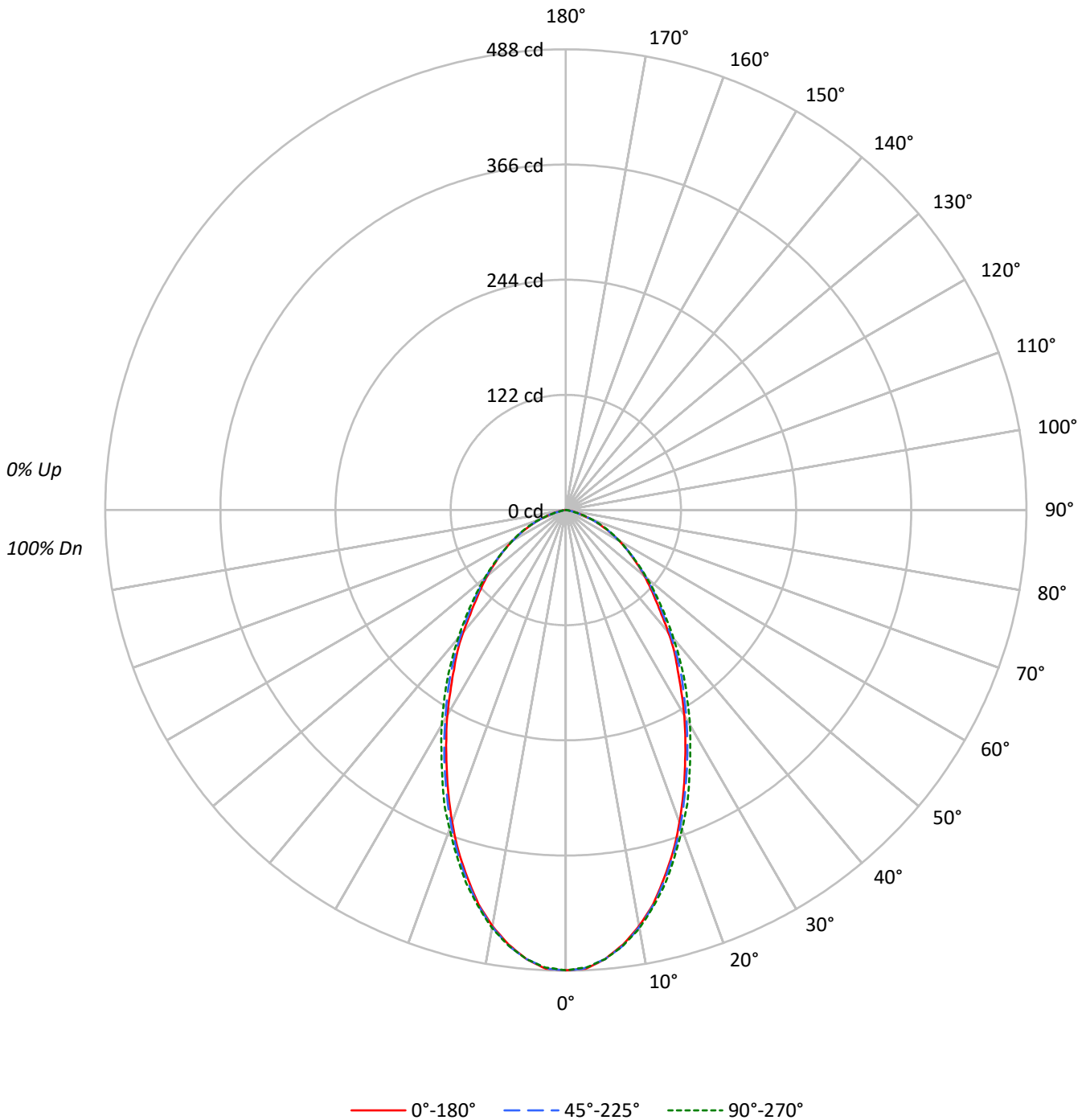
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 679.0 lumens
Efficiency: N/A
Efficacy: 35.5 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): 19.1
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: P3ART13R70B2750DE010 E3CLDWW1MW_4000K

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° | 106899 | 106899 | 106899 |
| 5° | 105106 | 105106 | 105106 |
| 10° | 99642 | 99887 | 100132 |
| 15° | 91510 | 92010 | 92759 |
| 20° | 82140 | 82911 | 83961 |
| 25° | 72270 | 73359 | 74956 |
| 30° | 63554 | 64668 | 66643 |
| 35° | 55278 | 57072 | 58571 |
| 40° | 48319 | 49579 | 50867 |
| 45° | 41679 | 43043 | 44067 |
| 50° | 37116 | 37867 | 38276 |
| 55° | 32687 | 33108 | 33108 |
| 60° | 28726 | 28243 | 28726 |
| 65° | 23608 | 24179 | 24750 |
| 70° | 18529 | 18529 | 19234 |
| 75° | 12200 | 11268 | 11268 |
| 80° | 7072 | 5556 | 4167 |
| 85° | 2768 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 44067 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.7 | 6.6 |
| 10°-20° | 113.2 | 16.7 |
| 20°-30° | 139.6 | 20.6 |
| 30°-40° | 133.0 | 19.6 |
| 40°-50° | 107.6 | 15.9 |
| 50°-60° | 77.5 | 11.4 |
| 60°-70° | 46.4 | 6.8 |
| 70°-80° | 15.6 | 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° | 297.5 | 43.8 |
| 0°-40° | 430.5 | 63.4 |
| 0°-60° | 615.7 | 90.7 |
| 0°-90° | 679.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 679.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 488 | 488 | 488 | 488 | 488 | |
| 5° | 478 | 478 | 478 | 478 | 478 | 45 |
| 15° | 403 | 404 | 405 | 407 | 409 | 113 |
| 25° | 299 | 301 | 303 | 308 | 310 | 137 |
| 35° | 206 | 208 | 213 | 217 | 219 | 130 |
| 45° | 134 | 136 | 139 | 141 | 142 | 105 |
| 55° | 86 | 86 | 87 | 87 | 87 | 77 |
| 65° | 46 | 47 | 47 | 48 | 48 | 46 |
| 75° | 14 | 14 | 13 | 13 | 13 | 16 |
| 85° | 1 | 1 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3CLDWW1MW_4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 487.5 | 487.5 | 487.5 | 487.5 | 487.5 | 487.5 | 487.5 | 487.5 | 487.5 | 487.5 | 487.5 |
| 2° | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 485.3 |
| 2.5° | 486.4 | 485.3 | 485.3 | 485.3 | 485.3 | 485.3 | 485.3 | 485.3 | 485.3 | 486.4 | 485.3 |
| 5° | 477.5 | 477.5 | 477.5 | 477.5 | 477.5 | 477.5 | 477.5 | 477.5 | 478.6 | 477.5 | 477.5 |
| 7.5° | 464.2 | 464.2 | 464.2 | 464.2 | 465.3 | 465.3 | 465.3 | 465.3 | 466.4 | 466.4 | 465.3 |
| 10° | 447.5 | 447.5 | 447.5 | 447.5 | 448.6 | 448.6 | 449.7 | 448.6 | 448.6 | 449.7 | 449.7 |
| 12.5° | 427.5 | 426.4 | 426.4 | 426.4 | 427.5 | 428.6 | 428.6 | 428.6 | 429.7 | 429.7 | 429.7 |
| 15° | 403.1 | 403.1 | 403.1 | 404.2 | 404.2 | 405.3 | 406.4 | 406.4 | 407.5 | 407.5 | 408.6 |
| 17.5° | 378.7 | 378.7 | 377.6 | 378.7 | 379.8 | 380.9 | 382.0 | 383.1 | 384.2 | 384.2 | 384.2 |
| 20° | 352.0 | 350.9 | 352.0 | 353.1 | 354.2 | 355.3 | 356.5 | 358.7 | 359.8 | 359.8 | 359.8 |
| 22.5° | 325.4 | 324.3 | 325.4 | 326.5 | 327.6 | 328.7 | 332.0 | 333.1 | 334.2 | 334.2 | 336.5 |
| 25° | 298.7 | 298.7 | 299.8 | 300.9 | 302.0 | 303.2 | 305.4 | 307.6 | 308.7 | 309.8 | 309.8 |
| 27.5° | 274.3 | 274.3 | 274.3 | 274.3 | 276.5 | 278.7 | 280.9 | 283.2 | 284.3 | 285.4 | 285.4 |
| 30° | 251.0 | 249.9 | 249.9 | 251.0 | 253.2 | 255.4 | 257.6 | 259.8 | 261.0 | 262.1 | 263.2 |
| 32.5° | 227.6 | 227.6 | 227.6 | 228.8 | 229.9 | 233.2 | 235.4 | 236.5 | 238.7 | 239.9 | 239.9 |
| 35° | 206.5 | 206.5 | 206.5 | 208.8 | 211.0 | 213.2 | 214.3 | 216.5 | 218.8 | 218.8 | 218.8 |
| 37.5° | 188.8 | 189.9 | 192.1 | 191.0 | 191.0 | 192.1 | 193.2 | 195.4 | 197.7 | 197.7 | 197.7 |
| 40° | 168.8 | 169.9 | 171.0 | 169.9 | 171.0 | 173.2 | 174.3 | 175.5 | 176.6 | 177.7 | 177.7 |
| 42.5° | 149.9 | 149.9 | 149.9 | 151.0 | 153.2 | 154.4 | 156.6 | 157.7 | 158.8 | 158.8 | 158.8 |
| 45° | 134.4 | 134.4 | 135.5 | 136.6 | 137.7 | 138.8 | 139.9 | 141.0 | 142.1 | 142.1 | 142.1 |
| 47.5° | 121.0 | 121.0 | 122.2 | 122.2 | 123.3 | 124.4 | 125.5 | 125.5 | 126.6 | 127.7 | 126.6 |
| 50° | 108.8 | 108.8 | 108.8 | 109.9 | 109.9 | 111.0 | 111.0 | 112.2 | 112.2 | 112.2 | 112.2 |
| 52.5° | 96.6 | 96.6 | 96.6 | 96.6 | 97.7 | 97.7 | 97.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| 55° | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 57.5° | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 60° | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 64.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| 62.5° | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 56.6 | 56.6 | 56.6 | 56.6 |
| 65° | 45.5 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 47.7 | 47.7 | 47.7 | 47.7 |
| 67.5° | 36.6 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 38.9 | 38.9 | 38.9 |
| 70° | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 30.0 |
| 72.5° | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 21.1 | 21.1 | 21.1 |
| 75° | 14.4 | 14.4 | 14.4 | 14.4 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| 77.5° | 10.0 | 10.0 | 10.0 | 8.9 | 8.9 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 6.7 |
| 80° | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 4.4 | 4.4 | 3.3 | 3.3 | 3.3 | 3.3 |
| 82.5° | 3.3 | 3.3 | 3.3 | 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)