

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 E3LDWW1GPH_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: P3ART13R70B2750DE010 E3LDWW1GPH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LDWW1GPH TRIM
Light Source: -
Ballast/Driver: -

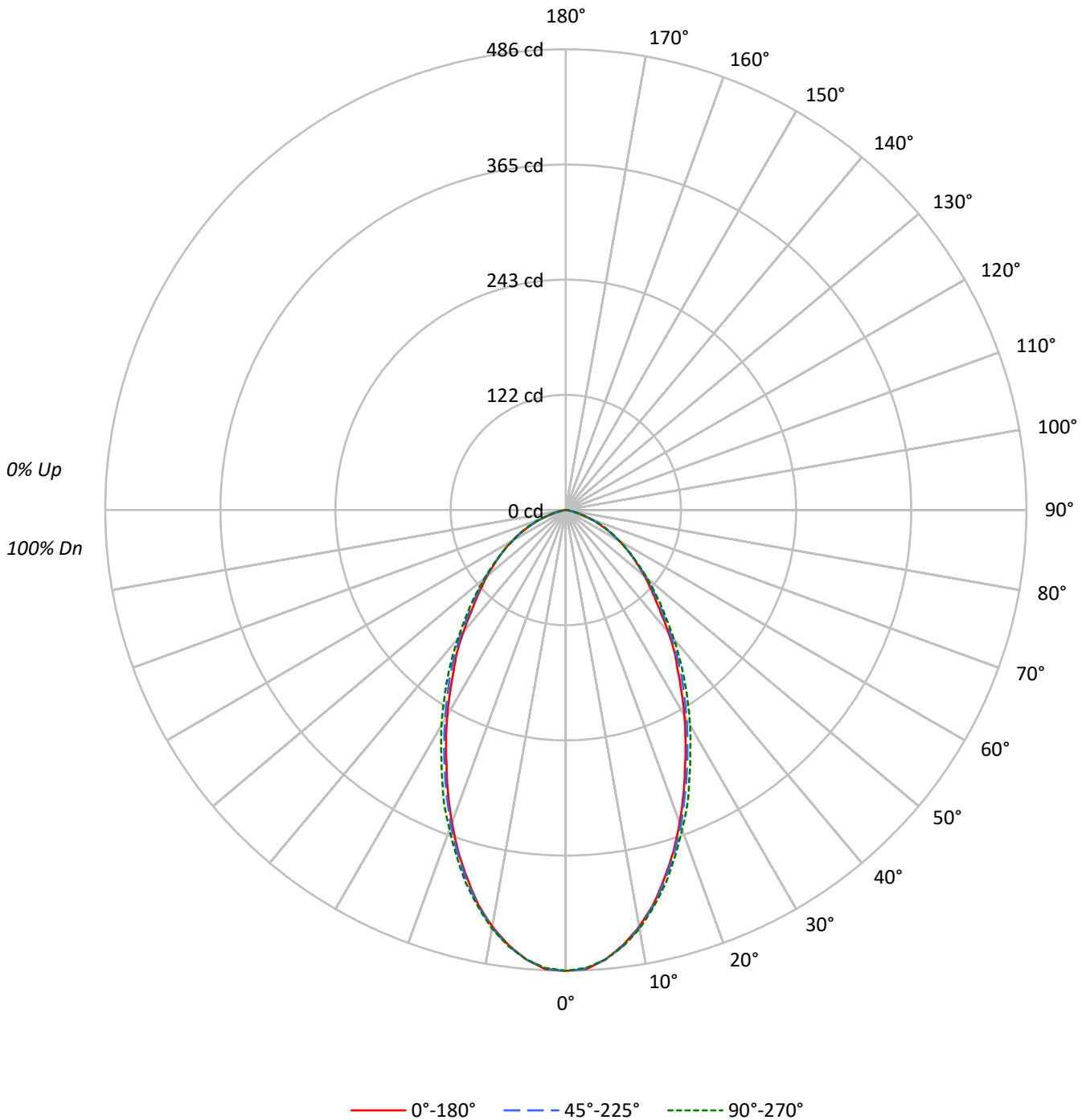
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 677.0 lumens
Efficiency: N/A
Efficacy: 35.4 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 E3LDWW1GPH_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° | 106592 | 106592 | 106592 |
| 5° | 104798 | 104798 | 104798 |
| 10° | 99352 | 99597 | 99842 |
| 15° | 91238 | 91737 | 92486 |
| 20° | 81907 | 82677 | 83704 |
| 25° | 72053 | 73141 | 74738 |
| 30° | 63352 | 64491 | 66441 |
| 35° | 55118 | 56911 | 58384 |
| 40° | 48176 | 49435 | 50695 |
| 45° | 41555 | 42919 | 43943 |
| 50° | 37014 | 37764 | 38139 |
| 55° | 32611 | 33031 | 33031 |
| 60° | 28638 | 28156 | 28638 |
| 65° | 23556 | 24127 | 24698 |
| 70° | 18465 | 18465 | 19170 |
| 75° | 12200 | 11268 | 11268 |
| 80° | 6945 | 5556 | 4167 |
| 85° | 2768 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 43943 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.5 | 6.6 |
| 10°-20° | 112.9 | 16.7 |
| 20°-30° | 139.2 | 20.6 |
| 30°-40° | 132.7 | 19.6 |
| 40°-50° | 107.3 | 15.9 |
| 50°-60° | 77.3 | 11.4 |
| 60°-70° | 46.3 | 6.8 |
| 70°-80° | 15.5 | 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° | 296.6 | 43.8 |
| 0°-40° | 429.3 | 63.4 |
| 0°-60° | 613.9 | 90.7 |
| 0°-90° | 677.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 677.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 486 | 486 | 486 | 486 | 486 | |
| 5° | 476 | 476 | 476 | 476 | 476 | 44 |
| 15° | 402 | 403 | 404 | 405 | 407 | 112 |
| 25° | 298 | 300 | 302 | 307 | 309 | 137 |
| 35° | 206 | 208 | 213 | 216 | 218 | 129 |
| 45° | 134 | 136 | 138 | 141 | 142 | 104 |
| 55° | 85 | 85 | 86 | 86 | 86 | 77 |
| 65° | 45 | 46 | 46 | 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 E3LDWW1GPH_2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 486.1 | 486.1 | 486.1 | 486.1 | 486.1 | 486.1 | 486.1 | 486.1 | 486.1 | 486.1 | 486.1 |
| 2° | 484.9 | 484.9 | 484.9 | 484.9 | 484.9 | 484.9 | 484.9 | 484.9 | 484.9 | 484.9 | 483.8 |
| 2.5° | 484.9 | 483.8 | 483.8 | 483.8 | 483.8 | 483.8 | 483.8 | 483.8 | 483.8 | 484.9 | 483.8 |
| 5° | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 477.2 | 476.1 | 476.1 |
| 7.5° | 462.8 | 462.8 | 462.8 | 462.8 | 463.9 | 463.9 | 463.9 | 463.9 | 465.0 | 465.0 | 463.9 |
| 10° | 446.2 | 446.2 | 446.2 | 446.2 | 447.3 | 447.3 | 448.4 | 447.3 | 447.3 | 448.4 | 448.4 |
| 12.5° | 426.3 | 425.2 | 425.2 | 425.2 | 426.3 | 427.4 | 427.4 | 427.4 | 428.5 | 428.5 | 428.5 |
| 15° | 401.9 | 401.9 | 401.9 | 403.0 | 403.0 | 404.1 | 405.2 | 405.2 | 406.3 | 406.3 | 407.4 |
| 17.5° | 377.6 | 377.6 | 376.4 | 377.6 | 378.7 | 379.8 | 380.9 | 382.0 | 383.1 | 383.1 | 383.1 |
| 20° | 351.0 | 349.9 | 351.0 | 352.1 | 353.2 | 354.3 | 355.4 | 357.6 | 358.7 | 358.7 | 358.7 |
| 22.5° | 324.4 | 323.3 | 324.4 | 325.5 | 326.6 | 327.7 | 331.0 | 332.2 | 333.3 | 333.3 | 335.5 |
| 25° | 297.8 | 297.8 | 298.9 | 300.0 | 301.2 | 302.3 | 304.5 | 306.7 | 307.8 | 308.9 | 308.9 |
| 27.5° | 273.5 | 273.5 | 273.5 | 273.5 | 275.7 | 277.9 | 280.1 | 282.3 | 283.4 | 284.5 | 284.5 |
| 30° | 250.2 | 249.1 | 249.1 | 250.2 | 252.4 | 254.7 | 256.9 | 259.1 | 260.2 | 261.3 | 262.4 |
| 32.5° | 227.0 | 227.0 | 227.0 | 228.1 | 229.2 | 232.5 | 234.7 | 235.8 | 238.0 | 239.2 | 239.2 |
| 35° | 205.9 | 205.9 | 205.9 | 208.2 | 210.4 | 212.6 | 213.7 | 215.9 | 218.1 | 218.1 | 218.1 |
| 37.5° | 188.2 | 189.3 | 191.5 | 190.4 | 190.4 | 191.5 | 192.7 | 194.9 | 197.1 | 197.1 | 197.1 |
| 40° | 168.3 | 169.4 | 170.5 | 169.4 | 170.5 | 172.7 | 173.8 | 174.9 | 176.0 | 177.1 | 177.1 |
| 42.5° | 149.5 | 149.5 | 149.5 | 150.6 | 152.8 | 153.9 | 156.1 | 157.2 | 158.3 | 158.3 | 158.3 |
| 45° | 134.0 | 134.0 | 135.1 | 136.2 | 137.3 | 138.4 | 139.5 | 140.6 | 141.7 | 141.7 | 141.7 |
| 47.5° | 120.7 | 120.7 | 121.8 | 121.8 | 122.9 | 124.0 | 125.1 | 125.1 | 126.2 | 127.3 | 126.2 |
| 50° | 108.5 | 108.5 | 108.5 | 109.6 | 109.6 | 110.7 | 110.7 | 111.8 | 111.8 | 111.8 | 111.8 |
| 52.5° | 96.3 | 96.3 | 96.3 | 96.3 | 97.4 | 97.4 | 97.4 | 98.5 | 98.5 | 98.5 | 98.5 |
| 55° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| 57.5° | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 60° | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 64.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 62.5° | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 56.5 | 56.5 | 56.5 | 56.5 |
| 65° | 45.4 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 47.6 | 47.6 | 47.6 | 47.6 |
| 67.5° | 36.5 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 38.8 | 38.8 | 38.8 |
| 70° | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 29.9 |
| 72.5° | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 | 21.0 | 21.0 | 21.0 |
| 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 | 6.6 |
| 80° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 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)