

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 E3LDWW1WH_5000K

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 E3LDWW1WH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3LDWW1WH TRIM
Light Source: -
Ballast/Driver: -

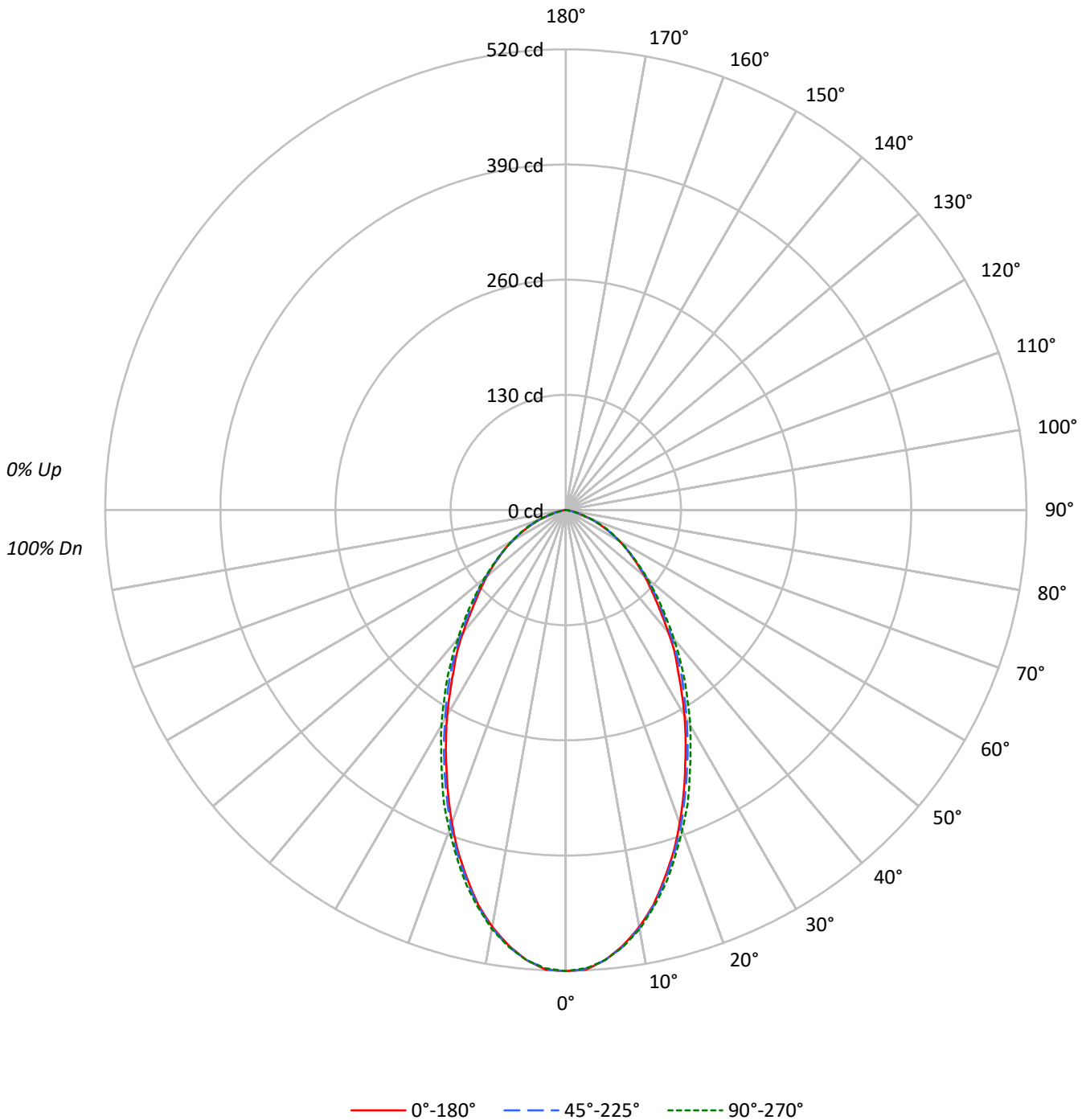
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 725.0 lumens
Efficiency: N/A
Efficacy: 38.0 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

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Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART13R70B2750DE010 E3LDWW1WH_5000K

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° | 114136 | 114136 | 114136 |
| 5° | 112216 | 112216 | 112216 |
| 10° | 106389 | 106656 | 106923 |
| 15° | 97708 | 98253 | 99047 |
| 20° | 87718 | 88534 | 89654 |
| 25° | 77158 | 78319 | 80037 |
| 30° | 67859 | 69049 | 71150 |
| 35° | 59026 | 60954 | 62533 |
| 40° | 51582 | 52956 | 54302 |
| 45° | 44501 | 45958 | 47075 |
| 50° | 39640 | 40459 | 40869 |
| 55° | 34904 | 35363 | 35363 |
| 60° | 30699 | 30173 | 30699 |
| 65° | 25217 | 25839 | 26462 |
| 70° | 19747 | 19747 | 20516 |
| 75° | 13047 | 12031 | 12031 |
| 80° | 7450 | 5935 | 4546 |
| 85° | 3019 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 47075 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.7 | 6.6 |
| 10°-20° | 120.9 | 16.7 |
| 20°-30° | 149.1 | 20.6 |
| 30°-40° | 142.1 | 19.6 |
| 40°-50° | 114.9 | 15.9 |
| 50°-60° | 82.8 | 11.4 |
| 60°-70° | 49.6 | 6.8 |
| 70°-80° | 16.6 | 2.3 |
| 80°-90° | 1.4 | 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° | 317.6 | 43.8 |
| 0°-40° | 459.7 | 63.4 |
| 0°-60° | 657.4 | 90.7 |
| 0°-90° | 725.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 725.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 520 | 520 | 520 | 520 | 520 | |
| 5° | 510 | 510 | 510 | 510 | 510 | 48 |
| 15° | 430 | 431 | 433 | 434 | 436 | 120 |
| 25° | 319 | 321 | 324 | 329 | 331 | 147 |
| 35° | 220 | 222 | 228 | 232 | 234 | 139 |
| 45° | 144 | 146 | 148 | 151 | 152 | 112 |
| 55° | 91 | 91 | 92 | 92 | 92 | 82 |
| 65° | 49 | 50 | 50 | 51 | 51 | 49 |
| 75° | 15 | 15 | 14 | 14 | 14 | 17 |
| 85° | 1 | 1 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3LDWW1WH_5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 520.5 | 520.5 | 520.5 | 520.5 | 520.5 | 520.5 | 520.5 | 520.5 | 520.5 | 520.5 | 520.5 |
| 2° | 519.3 | 519.3 | 519.3 | 519.3 | 519.3 | 519.3 | 519.3 | 519.3 | 519.3 | 519.3 | 518.1 |
| 2.5° | 519.3 | 518.1 | 518.1 | 518.1 | 518.1 | 518.1 | 518.1 | 518.1 | 518.1 | 519.3 | 518.1 |
| 5° | 509.8 | 509.8 | 509.8 | 509.8 | 509.8 | 509.8 | 509.8 | 509.8 | 511.0 | 509.8 | 509.8 |
| 7.5° | 495.6 | 495.6 | 495.6 | 495.6 | 496.8 | 496.8 | 496.8 | 496.8 | 498.0 | 498.0 | 496.8 |
| 10° | 477.8 | 477.8 | 477.8 | 477.8 | 479.0 | 479.0 | 480.2 | 479.0 | 479.0 | 480.2 | 480.2 |
| 12.5° | 456.5 | 455.3 | 455.3 | 455.3 | 456.5 | 457.7 | 457.7 | 457.7 | 458.9 | 458.9 | 458.9 |
| 15° | 430.4 | 430.4 | 430.4 | 431.6 | 431.6 | 432.8 | 434.0 | 434.0 | 435.1 | 435.1 | 436.3 |
| 17.5° | 404.3 | 404.3 | 403.1 | 404.3 | 405.5 | 406.7 | 407.9 | 409.1 | 410.2 | 410.2 | 410.2 |
| 20° | 375.9 | 374.7 | 375.9 | 377.0 | 378.2 | 379.4 | 380.6 | 383.0 | 384.2 | 384.2 | 384.2 |
| 22.5° | 347.4 | 346.2 | 347.4 | 348.6 | 349.8 | 351.0 | 354.5 | 355.7 | 356.9 | 356.9 | 359.3 |
| 25° | 318.9 | 318.9 | 320.1 | 321.3 | 322.5 | 323.7 | 326.1 | 328.4 | 329.6 | 330.8 | 330.8 |
| 27.5° | 292.9 | 292.9 | 292.9 | 292.9 | 295.2 | 297.6 | 300.0 | 302.4 | 303.5 | 304.7 | 304.7 |
| 30° | 268.0 | 266.8 | 266.8 | 268.0 | 270.3 | 272.7 | 275.1 | 277.5 | 278.6 | 279.8 | 281.0 |
| 32.5° | 243.1 | 243.1 | 243.1 | 244.3 | 245.4 | 249.0 | 251.4 | 252.6 | 254.9 | 256.1 | 256.1 |
| 35° | 220.5 | 220.5 | 220.5 | 222.9 | 225.3 | 227.7 | 228.8 | 231.2 | 233.6 | 233.6 | 233.6 |
| 37.5° | 201.6 | 202.8 | 205.1 | 203.9 | 203.9 | 205.1 | 206.3 | 208.7 | 211.1 | 211.1 | 211.1 |
| 40° | 180.2 | 181.4 | 182.6 | 181.4 | 182.6 | 185.0 | 186.2 | 187.3 | 188.5 | 189.7 | 189.7 |
| 42.5° | 160.1 | 160.1 | 160.1 | 161.3 | 163.6 | 164.8 | 167.2 | 168.4 | 169.6 | 169.6 | 169.6 |
| 45° | 143.5 | 143.5 | 144.7 | 145.8 | 147.0 | 148.2 | 149.4 | 150.6 | 151.8 | 151.8 | 151.8 |
| 47.5° | 129.2 | 129.2 | 130.4 | 130.4 | 131.6 | 132.8 | 134.0 | 134.0 | 135.2 | 136.4 | 135.2 |
| 50° | 116.2 | 116.2 | 116.2 | 117.4 | 117.4 | 118.6 | 118.6 | 119.8 | 119.8 | 119.8 | 119.8 |
| 52.5° | 103.2 | 103.2 | 103.2 | 103.2 | 104.3 | 104.3 | 104.3 | 105.5 | 105.5 | 105.5 | 105.5 |
| 55° | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 57.5° | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| 60° | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 68.8 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 62.5° | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 60.5 | 60.5 | 60.5 | 60.5 |
| 65° | 48.6 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 51.0 | 51.0 | 51.0 | 51.0 |
| 67.5° | 39.1 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 41.5 | 41.5 | 41.5 |
| 70° | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 32.0 |
| 72.5° | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 22.5 | 22.5 | 22.5 |
| 75° | 15.4 | 15.4 | 15.4 | 15.4 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 |
| 77.5° | 10.7 | 10.7 | 10.7 | 9.5 | 9.5 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 7.1 |
| 80° | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 4.7 | 4.7 | 3.6 | 3.6 | 3.6 | 3.6 |
| 82.5° | 3.6 | 3.6 | 3.6 | 2.4 | 2.4 | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 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)