

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: P3ART05R70B2750DE010 E3LDWW1B_3000K

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: P3ART05R70B2750DE010 E3LDWW1B_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LDWW1B TRIM
Light Source: -
Ballast/Driver: -

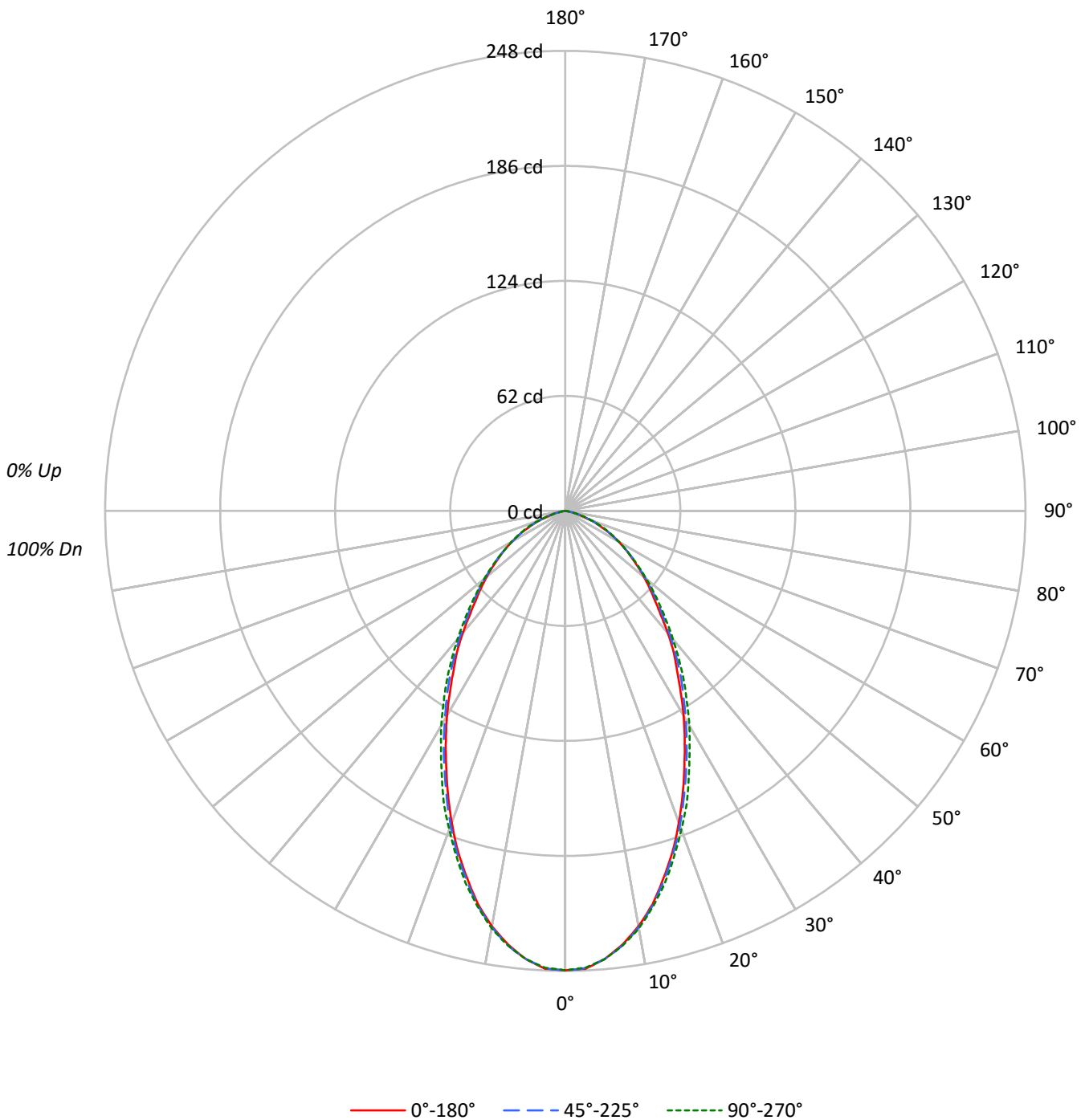
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 345.0 lumens
Efficiency: N/A
Efficacy: 58.5 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): 5.9
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 | 75 | 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 | 60 | 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° | 54316 | 54316 | 54316 |
| 5° | 53401 | 53401 | 53401 |
| 10° | 50634 | 50745 | 50879 |
| 15° | 46493 | 46743 | 47129 |
| 20° | 41747 | 42144 | 42657 |
| 25° | 36728 | 37260 | 38083 |
| 30° | 32283 | 32866 | 33853 |
| 35° | 28081 | 28991 | 29767 |
| 40° | 24560 | 25190 | 25848 |
| 45° | 21180 | 21863 | 22390 |
| 50° | 18865 | 19240 | 19445 |
| 55° | 16592 | 16821 | 16821 |
| 60° | 14604 | 14341 | 14604 |
| 65° | 11986 | 12297 | 12608 |
| 70° | 9425 | 9425 | 9745 |
| 75° | 6185 | 5761 | 5761 |
| 80° | 3536 | 2904 | 2147 |
| 85° | 1510 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 22390 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 22.7 | 6.6 |
| 10°-20° | 57.5 | 16.7 |
| 20°-30° | 70.9 | 20.6 |
| 30°-40° | 67.6 | 19.6 |
| 40°-50° | 54.7 | 15.9 |
| 50°-60° | 39.4 | 11.4 |
| 60°-70° | 23.6 | 6.8 |
| 70°-80° | 7.9 | 2.3 |
| 80°-90° | 0.7 | 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° | 151.2 | 43.8 |
| 0°-40° | 218.8 | 63.4 |
| 0°-60° | 312.9 | 90.7 |
| 0°-90° | 345.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 345.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 248 | 248 | 248 | 248 | 248 | |
| 5° | 243 | 243 | 243 | 243 | 243 | 23 |
| 15° | 205 | 205 | 206 | 207 | 208 | 57 |
| 25° | 152 | 153 | 154 | 156 | 157 | 70 |
| 35° | 105 | 106 | 108 | 110 | 111 | 66 |
| 45° | 68 | 69 | 70 | 72 | 72 | 53 |
| 55° | 43 | 43 | 44 | 44 | 44 | 39 |
| 65° | 23 | 24 | 24 | 24 | 24 | 23 |
| 75° | 7 | 7 | 7 | 7 | 7 | 8 |
| 85° | 1 | 1 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 247.7 | 247.7 | 247.7 | 247.7 | 247.7 | 247.7 | 247.7 | 247.7 | 247.7 | 247.7 | 247.7 |
| 2° | 247.1 | 247.1 | 247.1 | 247.1 | 247.1 | 247.1 | 247.1 | 247.1 | 247.1 | 247.1 | 246.6 |
| 2.5° | 247.1 | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 | 247.1 | 246.6 |
| 5° | 242.6 | 242.6 | 242.6 | 242.6 | 242.6 | 242.6 | 242.6 | 242.6 | 243.2 | 242.6 | 242.6 |
| 7.5° | 235.8 | 235.8 | 235.8 | 235.8 | 236.4 | 236.4 | 236.4 | 236.4 | 237.0 | 237.0 | 236.4 |
| 10° | 227.4 | 227.4 | 227.4 | 227.4 | 227.9 | 227.9 | 228.5 | 227.9 | 227.9 | 228.5 | 228.5 |
| 12.5° | 217.2 | 216.7 | 216.7 | 216.7 | 217.2 | 217.8 | 217.8 | 217.8 | 218.4 | 218.4 | 218.4 |
| 15° | 204.8 | 204.8 | 204.8 | 205.4 | 205.4 | 205.9 | 206.5 | 206.5 | 207.1 | 207.1 | 207.6 |
| 17.5° | 192.4 | 192.4 | 191.8 | 192.4 | 193.0 | 193.5 | 194.1 | 194.7 | 195.2 | 195.2 | 195.2 |
| 20° | 178.9 | 178.3 | 178.9 | 179.4 | 180.0 | 180.6 | 181.1 | 182.2 | 182.8 | 182.8 | 182.8 |
| 22.5° | 165.3 | 164.8 | 165.3 | 165.9 | 166.4 | 167.0 | 168.7 | 169.3 | 169.8 | 169.8 | 171.0 |
| 25° | 151.8 | 151.8 | 152.3 | 152.9 | 153.5 | 154.0 | 155.2 | 156.3 | 156.9 | 157.4 | 157.4 |
| 27.5° | 139.4 | 139.4 | 139.4 | 139.4 | 140.5 | 141.6 | 142.7 | 143.9 | 144.4 | 145.0 | 145.0 |
| 30° | 127.5 | 127.0 | 127.0 | 127.5 | 128.6 | 129.8 | 130.9 | 132.0 | 132.6 | 133.2 | 133.7 |
| 32.5° | 115.7 | 115.7 | 115.7 | 116.2 | 116.8 | 118.5 | 119.6 | 120.2 | 121.3 | 121.9 | 121.9 |
| 35° | 104.9 | 104.9 | 104.9 | 106.1 | 107.2 | 108.3 | 108.9 | 110.0 | 111.2 | 111.2 | 111.2 |
| 37.5° | 95.9 | 96.5 | 97.6 | 97.0 | 97.0 | 97.6 | 98.2 | 99.3 | 100.4 | 100.4 | 100.4 |
| 40° | 85.8 | 86.3 | 86.9 | 86.3 | 86.9 | 88.0 | 88.6 | 89.1 | 89.7 | 90.3 | 90.3 |
| 42.5° | 76.2 | 76.2 | 76.2 | 76.7 | 77.9 | 78.4 | 79.6 | 80.1 | 80.7 | 80.7 | 80.7 |
| 45° | 68.3 | 68.3 | 68.8 | 69.4 | 70.0 | 70.5 | 71.1 | 71.7 | 72.2 | 72.2 | 72.2 |
| 47.5° | 61.5 | 61.5 | 62.1 | 62.1 | 62.6 | 63.2 | 63.8 | 63.8 | 64.3 | 64.9 | 64.3 |
| 50° | 55.3 | 55.3 | 55.3 | 55.9 | 55.9 | 56.4 | 56.4 | 57.0 | 57.0 | 57.0 | 57.0 |
| 52.5° | 49.1 | 49.1 | 49.1 | 49.1 | 49.7 | 49.7 | 49.7 | 50.2 | 50.2 | 50.2 | 50.2 |
| 55° | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 57.5° | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 |
| 60° | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 32.7 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| 62.5° | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.8 | 28.8 | 28.8 | 28.8 |
| 65° | 23.1 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 24.3 | 24.3 | 24.3 | 24.3 |
| 67.5° | 18.6 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.7 | 19.7 | 19.7 |
| 70° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 15.2 |
| 72.5° | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.7 | 10.7 | 10.7 |
| 75° | 7.3 | 7.3 | 7.3 | 7.3 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 |
| 77.5° | 5.1 | 5.1 | 5.1 | 4.5 | 4.5 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.4 |
| 80° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.3 | 2.3 | 1.7 | 1.7 | 1.7 | 1.7 |
| 82.5° | 1.7 | 1.7 | 1.7 | 1.1 | 1.1 | 1.1 | 1.1 | 0.6 | 0.6 | 0.6 | 0.6 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 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)