

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 E3CLDWW1MW_3500K

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 E3CLDWW1MW_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 80CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

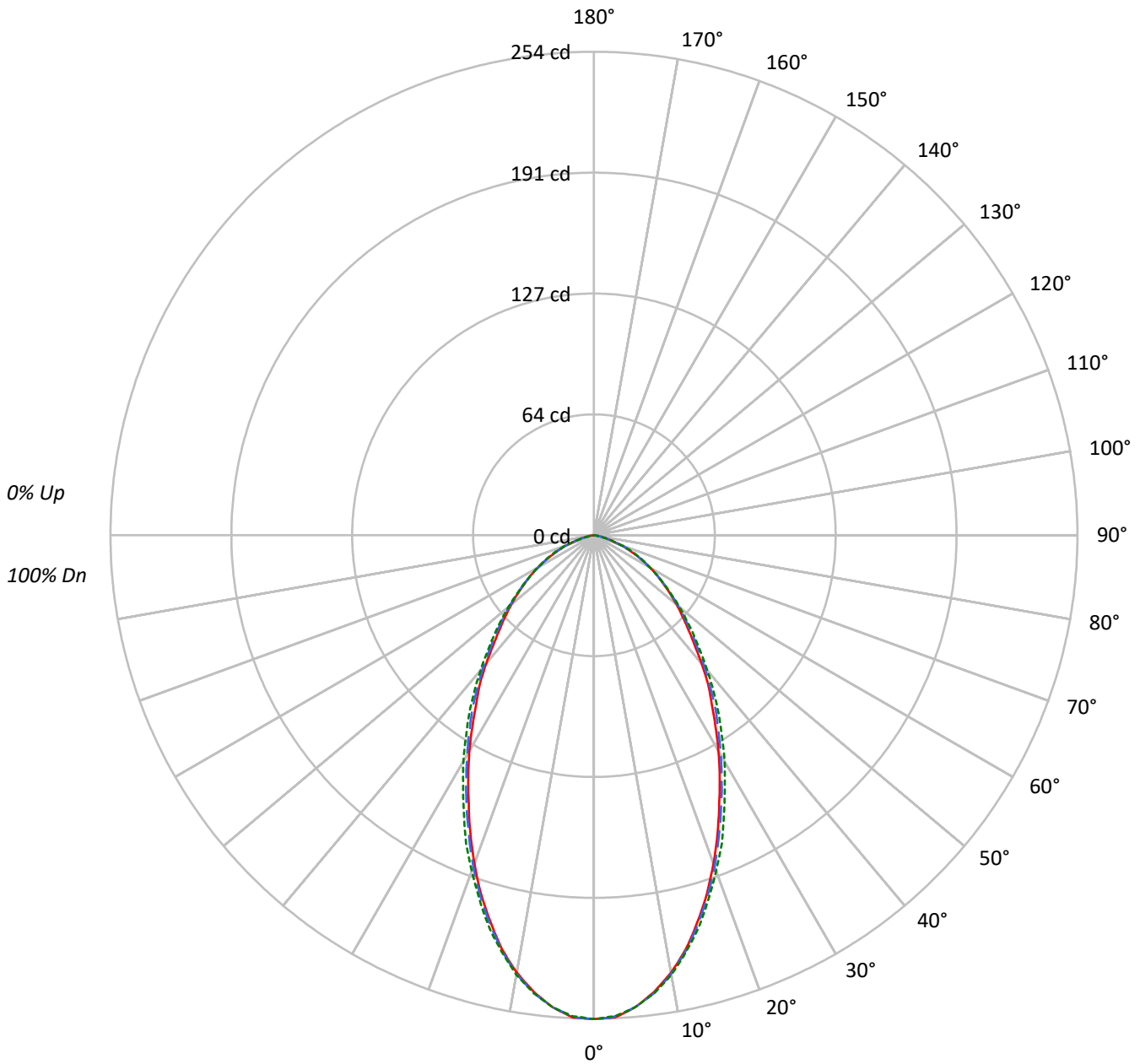
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 354.0 lumens
Efficiency: N/A
Efficacy: 60.0 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): 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

TEST NUMBER: P#
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | 89 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 78 | 78 | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 69 | 69 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 61 | 61 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 55 | 55 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 | 50 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 45 | 45 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 | 41 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 38 | 38 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 35 | 35 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 55741 | 55741 | 55741 |
| 5° | 54787 | 54787 | 54787 |
| 10° | 51947 | 52081 | 52215 |
| 15° | 47719 | 47968 | 48377 |
| 20° | 42820 | 43240 | 43777 |
| 25° | 37672 | 38252 | 39075 |
| 30° | 33119 | 33727 | 34740 |
| 35° | 28830 | 29767 | 30544 |
| 40° | 25190 | 25848 | 26507 |
| 45° | 21739 | 22452 | 22979 |
| 50° | 19343 | 19752 | 19957 |
| 55° | 17051 | 17280 | 17280 |
| 60° | 14999 | 14736 | 14999 |
| 65° | 12297 | 12608 | 12920 |
| 70° | 9681 | 9681 | 10002 |
| 75° | 6354 | 5846 | 5846 |
| 80° | 3662 | 2904 | 2147 |
| 85° | 1510 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 22979 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 23.3 | 6.6 |
| 10°-20° | 59.0 | 16.7 |
| 20°-30° | 72.8 | 20.6 |
| 30°-40° | 69.4 | 19.6 |
| 40°-50° | 56.1 | 15.9 |
| 50°-60° | 40.4 | 11.4 |
| 60°-70° | 24.2 | 6.8 |
| 70°-80° | 8.1 | 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° | 155.1 | 43.8 |
| 0°-40° | 224.5 | 63.4 |
| 0°-60° | 321.0 | 90.7 |
| 0°-90° | 354.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 354.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 254 | 254 | 254 | 254 | 254 | |
| 5° | 249 | 249 | 249 | 249 | 249 | 23 |
| 15° | 210 | 211 | 211 | 212 | 213 | 59 |
| 25° | 156 | 157 | 158 | 161 | 162 | 72 |
| 35° | 108 | 109 | 111 | 113 | 114 | 68 |
| 45° | 70 | 71 | 72 | 74 | 74 | 55 |
| 55° | 45 | 45 | 45 | 45 | 45 | 40 |
| 65° | 24 | 24 | 24 | 25 | 25 | 24 |
| 75° | 8 | 8 | 7 | 7 | 7 | 8 |
| 85° | 1 | 1 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70B2750DE010 E3CLDWW1MW_3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 |
| 2° | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.0 |
| 2.5° | 253.6 | 253.0 | 253.0 | 253.0 | 253.0 | 253.0 | 253.0 | 253.0 | 253.0 | 253.6 | 253.0 |
| 5° | 248.9 | 248.9 | 248.9 | 248.9 | 248.9 | 248.9 | 248.9 | 248.9 | 249.5 | 248.9 | 248.9 |
| 7.5° | 242.0 | 242.0 | 242.0 | 242.0 | 242.6 | 242.6 | 242.6 | 242.6 | 243.2 | 243.2 | 242.6 |
| 10° | 233.3 | 233.3 | 233.3 | 233.3 | 233.9 | 233.9 | 234.5 | 233.9 | 233.9 | 234.5 | 234.5 |
| 12.5° | 222.9 | 222.3 | 222.3 | 222.3 | 222.9 | 223.5 | 223.5 | 223.5 | 224.1 | 224.1 | 224.1 |
| 15° | 210.2 | 210.2 | 210.2 | 210.7 | 210.7 | 211.3 | 211.9 | 211.9 | 212.5 | 212.5 | 213.1 |
| 17.5° | 197.4 | 197.4 | 196.8 | 197.4 | 198.0 | 198.6 | 199.2 | 199.7 | 200.3 | 200.3 | 200.3 |
| 20° | 183.5 | 182.9 | 183.5 | 184.1 | 184.7 | 185.3 | 185.8 | 187.0 | 187.6 | 187.6 | 187.6 |
| 22.5° | 169.6 | 169.1 | 169.6 | 170.2 | 170.8 | 171.4 | 173.1 | 173.7 | 174.3 | 174.3 | 175.4 |
| 25° | 155.7 | 155.7 | 156.3 | 156.9 | 157.5 | 158.1 | 159.2 | 160.4 | 160.9 | 161.5 | 161.5 |
| 27.5° | 143.0 | 143.0 | 143.0 | 143.0 | 144.2 | 145.3 | 146.5 | 147.6 | 148.2 | 148.8 | 148.8 |
| 30° | 130.8 | 130.3 | 130.3 | 130.8 | 132.0 | 133.2 | 134.3 | 135.5 | 136.1 | 136.6 | 137.2 |
| 32.5° | 118.7 | 118.7 | 118.7 | 119.3 | 119.8 | 121.6 | 122.7 | 123.3 | 124.5 | 125.1 | 125.1 |
| 35° | 107.7 | 107.7 | 107.7 | 108.8 | 110.0 | 111.2 | 111.7 | 112.9 | 114.1 | 114.1 | 114.1 |
| 37.5° | 98.4 | 99.0 | 100.2 | 99.6 | 99.6 | 100.2 | 100.7 | 101.9 | 103.1 | 103.1 | 103.1 |
| 40° | 88.0 | 88.6 | 89.2 | 88.6 | 89.2 | 90.3 | 90.9 | 91.5 | 92.1 | 92.6 | 92.6 |
| 42.5° | 78.2 | 78.2 | 78.2 | 78.7 | 79.9 | 80.5 | 81.6 | 82.2 | 82.8 | 82.8 | 82.8 |
| 45° | 70.1 | 70.1 | 70.6 | 71.2 | 71.8 | 72.4 | 72.9 | 73.5 | 74.1 | 74.1 | 74.1 |
| 47.5° | 63.1 | 63.1 | 63.7 | 63.7 | 64.3 | 64.8 | 65.4 | 65.4 | 66.0 | 66.6 | 66.0 |
| 50° | 56.7 | 56.7 | 56.7 | 57.3 | 57.3 | 57.9 | 57.9 | 58.5 | 58.5 | 58.5 | 58.5 |
| 52.5° | 50.4 | 50.4 | 50.4 | 50.4 | 50.9 | 50.9 | 50.9 | 51.5 | 51.5 | 51.5 | 51.5 |
| 55° | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| 57.5° | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| 60° | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 33.6 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| 62.5° | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 29.5 | 29.5 | 29.5 | 29.5 |
| 65° | 23.7 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.9 | 24.9 | 24.9 | 24.9 |
| 67.5° | 19.1 | 19.7 | 19.7 | 19.7 | 19.7 | 19.7 | 19.7 | 19.7 | 20.3 | 20.3 | 20.3 |
| 70° | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.6 |
| 72.5° | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 11.0 | 11.0 | 11.0 |
| 75° | 7.5 | 7.5 | 7.5 | 7.5 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 77.5° | 5.2 | 5.2 | 5.2 | 4.6 | 4.6 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 3.5 |
| 80° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.3 | 2.3 | 1.7 | 1.7 | 1.7 | 1.7 |
| 82.5° | 1.7 | 1.7 | 1.7 | 1.2 | 1.2 | 1.2 | 1.2 | 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)