Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: P981369

Luminaire Tested: **FFX-CLB-20-722-U-PG-T5**

Issue Date: 04/15/2025

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P981369 |
| Test Lab: | INNOVATION CENTER(G3) |
| Issue Date: | 04/15/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | STREETWORKS |
| Catalog Number: | FFX-CLB-20-722-U-PG-T5 |
| Description: | FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE |
| Light Source: | (4) 2200K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 2829.9 lumens |
| Efficiency: | N/A |
| Efficacy: | 142.9 lumens/watt |
| Luminous Opening: | Vertical Cylinder (Dia: 1.58' x H: 1.5') |
| IES Classification: | Type V - Short |
| BUG Rating: | B1 - U4 - G2 |

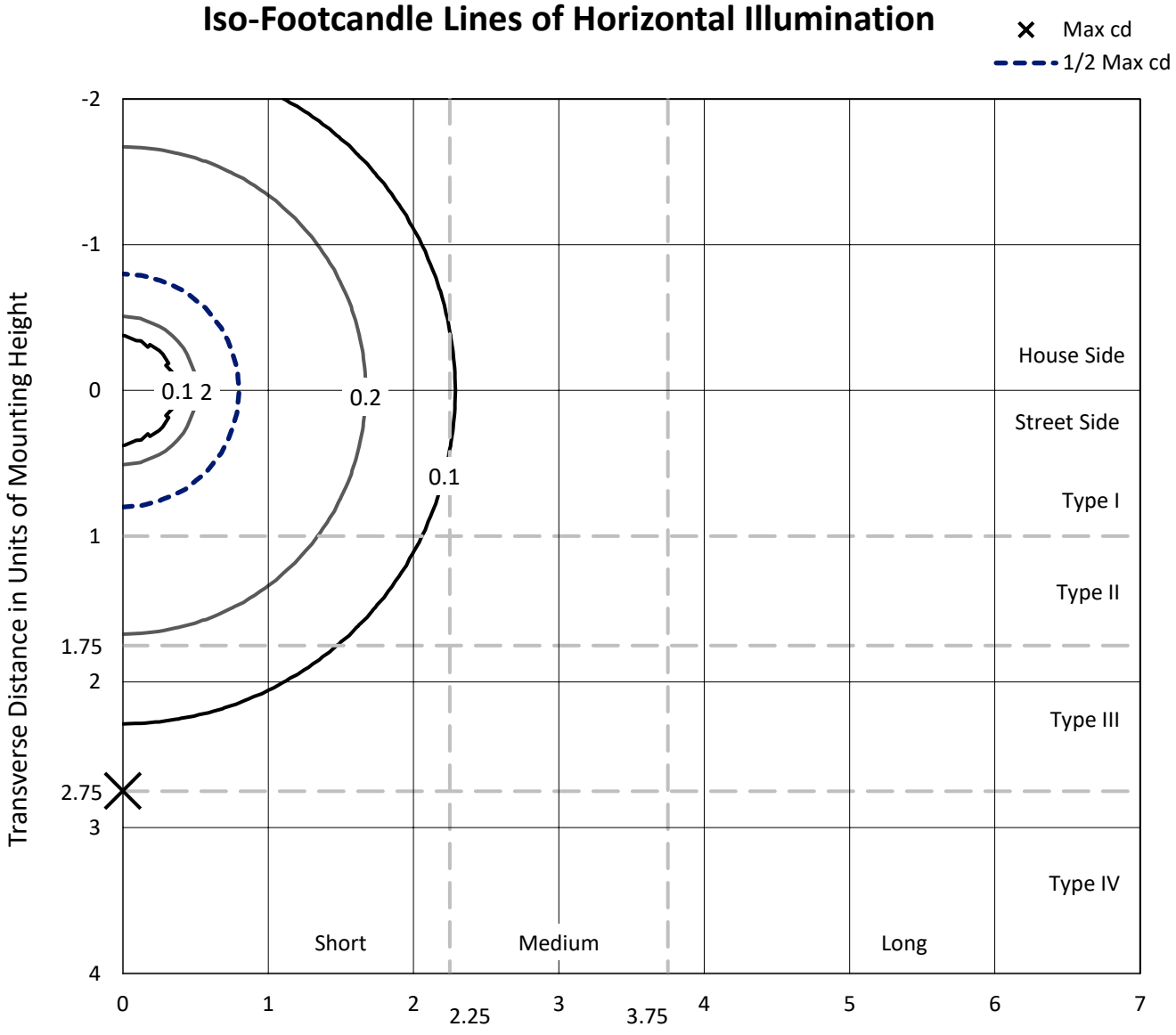
| | |
|---|---|
| Input Watts (W): | 19.8 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.99 |
| Total Harmonic Distortion (THDi): | 9.1% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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Scaled Data Report

REPORT NUMBER: P981369
CATALOG NUMBER: FFX-CLB-20-722-U-PG-T5

## Iso-Footcandle Lines of Horizontal Illumination



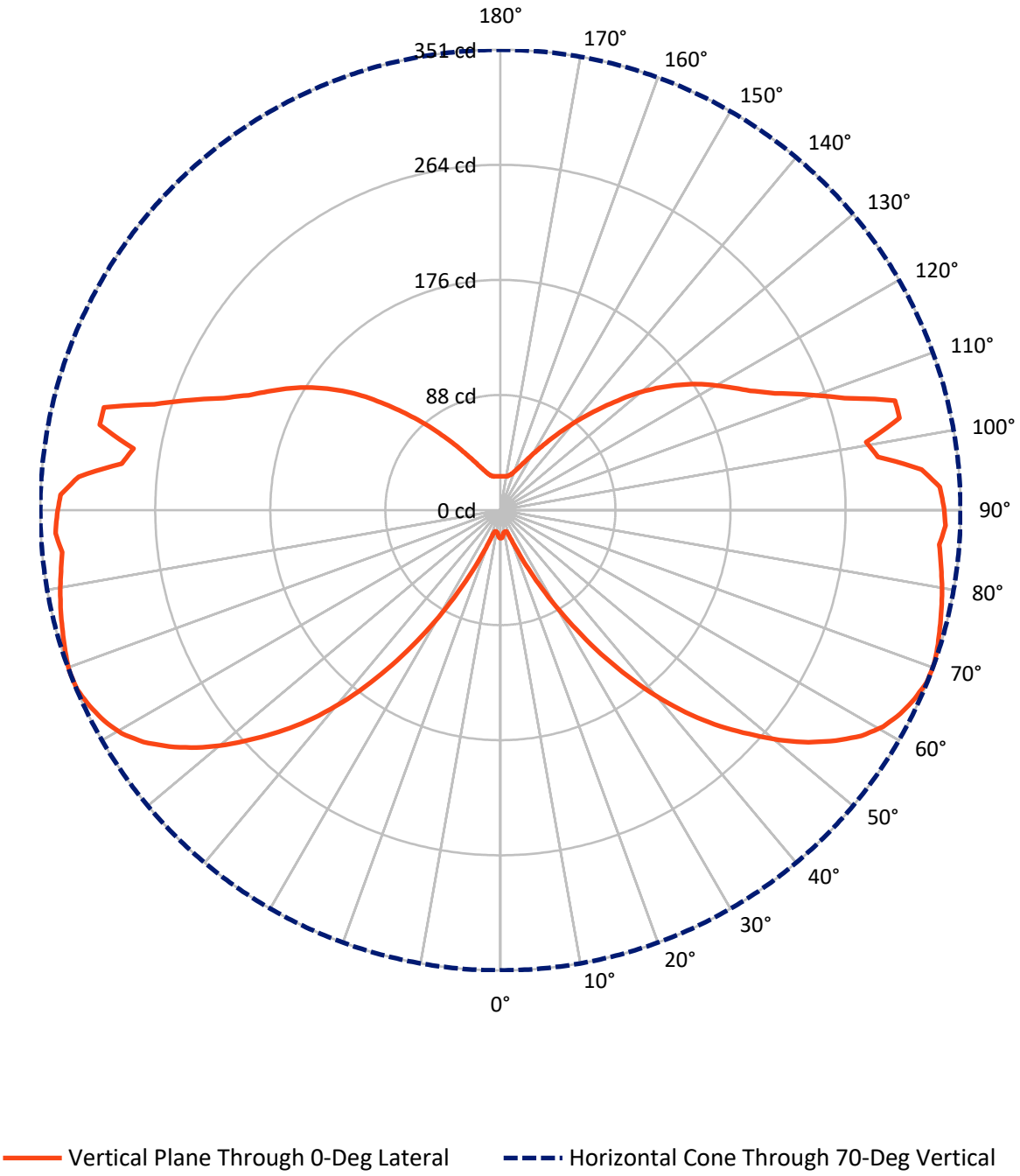

Based on 15 foot mounting height. Maximum calculated value = 0.4 fc
Type V - Short - N/A

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Scaled Data Report

REPORT NUMBER: P981369
CATALOG NUMBER: FFX-CLB-20-722-U-PG-T5

## Luminous Intensity Polar Plot



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Scaled Data Report

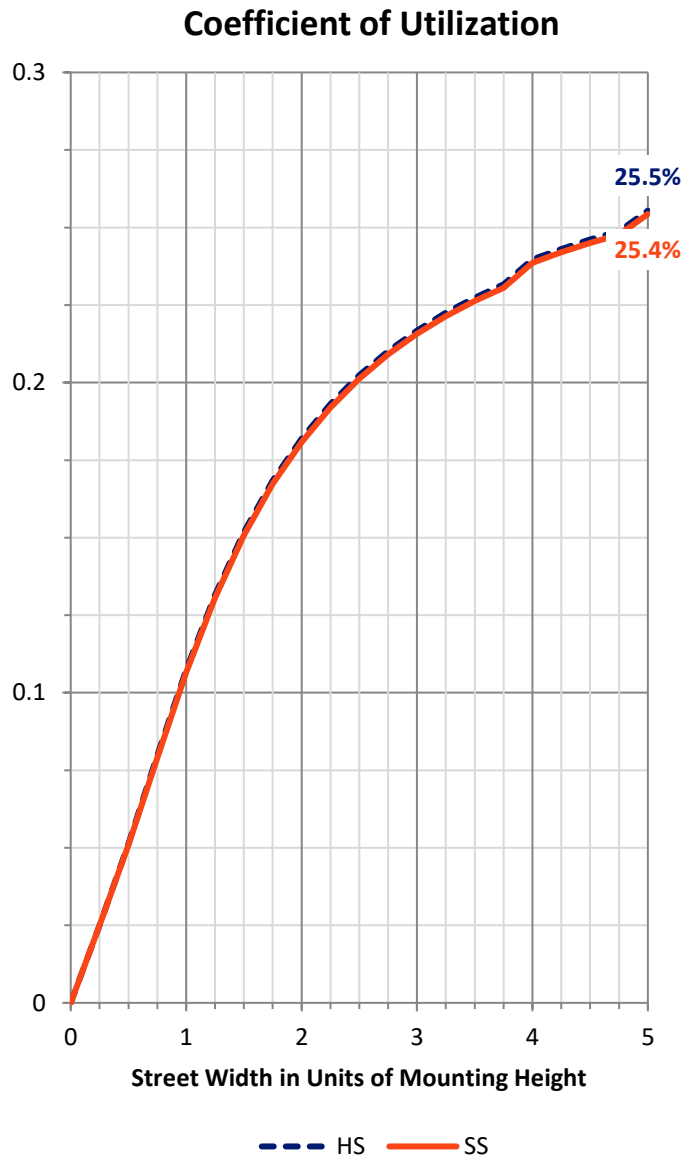
REPORT NUMBER: P981369
CATALOG NUMBER: FFX-CLB-20-722-U-PG-T5

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 830.9 | 584.1 | 1415.0 |
| | % Fixture | 29.4 | 20.6 | 50.0 |
| **Street Side** | Lumens | 830.9 | 584.1 | 1415.0 |
| | % Fixture | 29.4 | 20.6 | 50.0 |
| **Total** | Lumens | 1661.7 | 1168.2 | 2829.9 |
| | % Fixture | 58.7 | 41.3 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 1.8 | 0.1 |
| 10°-20° | 5.3 | 0.2 |
| 20°-30° | 25.1 | 0.9 |
| 30°-40° | 88.9 | 3.1 |
| 40°-50° | 182.6 | 6.5 |
| 50°-60° | 277.8 | 9.8 |
| 60°-70° | 343.7 | 12.1 |
| 70°-80° | 366.9 | 13.0 |
| 80°-90° | 369.7 | 13.1 |
| 90°-100° | 344.2 | 12.2 |
| 100°-110° | 309.5 | 10.9 |
| 110°-120° | 213.3 | 7.5 |
| 120°-130° | 147.2 | 5.2 |
| 130°-140° | 85.3 | 3.0 |
| 140°-150° | 40.6 | 1.4 |
| 150°-160° | 17.7 | 0.6 |
| 160°-170° | 7.9 | 0.3 |
| 170°-180° | 2.5 | 0.1 |
| 0°-90° | 1661.7 | 58.7 |
| 0°-180° | 2829.9 | 100.0 |



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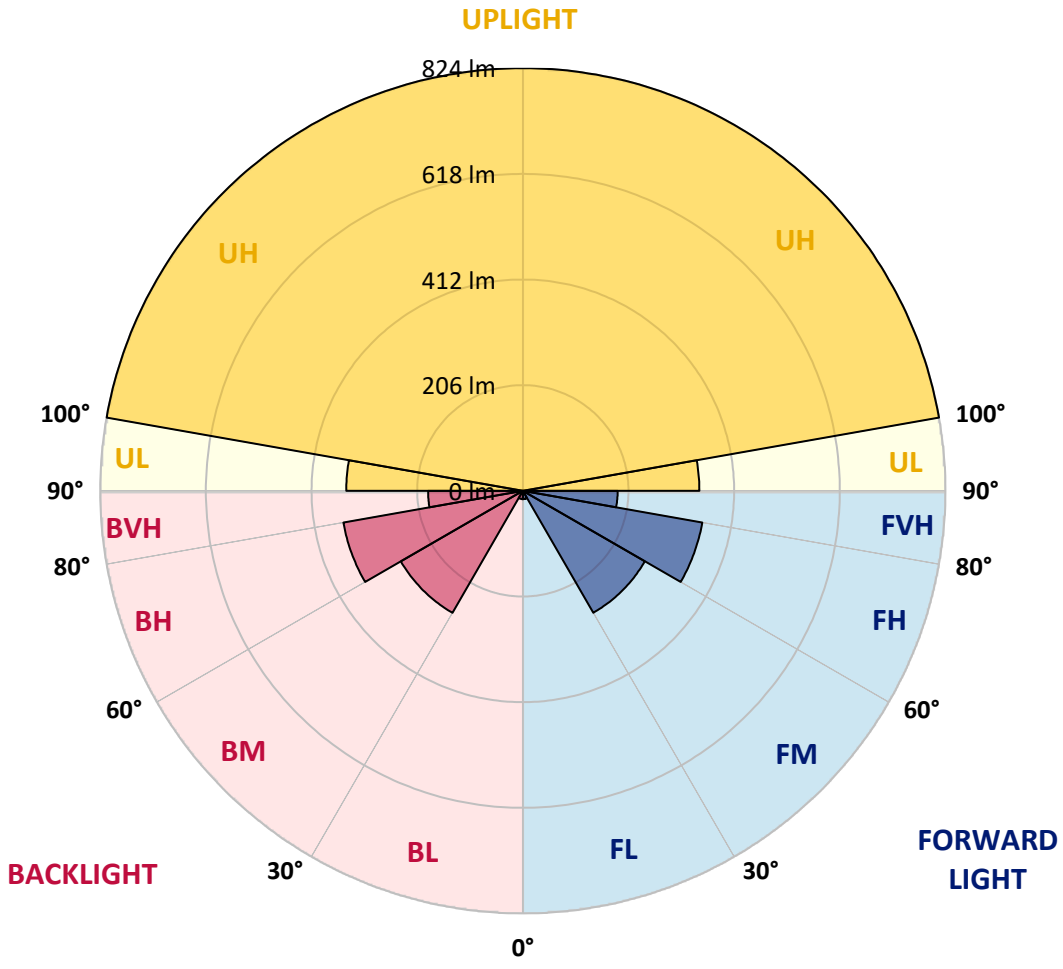
Scaled Data Report

REPORT NUMBER: P981369
CATALOG NUMBER: FFX-CLB-20-722-U-PG-T5

## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 16.1 | 0.6 | | | |
| FM | (30°-60°) | 274.6 | 9.7 | | | |
| FH | (60°-80°) | 355.3 | 12.6 | | | G0/660 |
| FVH | (80°-90°) | 184.8 | 6.5 | | | G2/225 |
| BL | (0°-30°) | 16.1 | 0.6 | B0/110 | | |
| BM | (30°-60°) | 274.6 | 9.7 | B1/1000 | | |
| BH | (60°-80°) | 355.3 | 12.6 | B1/500 | | G0/660 |
| BVH | (80°-90°) | 184.8 | 6.5 | | | G2/225 |
| UL | (90°-100°) | 344.2 | 12.2 | | U3/500 | |
| UH | (100°-180°) | 824.0 | 29.1 | | U4/1000 | |

**BUG Rating: B1-U4-G2**
Type V Short



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CATALOG NUMBER: FFX-CLB-20-722-U-PG-T5

**CANDELA DISTRIBUTION (FULL):**

| | 0° |
|---|---|
| 0° | 21.5 |
| 2.5° | 21.2 |
| 5° | 19.6 |
| 7.5° | 17.5 |
| 10° | 17.3 |
| 12.5° | 16.8 |
| 15° | 16.9 |
| 17.5° | 19.1 |
| 20° | 24.7 |
| 22.5° | 35.1 |
| 25° | 49.4 |
| 27.5° | 67.4 |
| 30° | 89.5 |
| 32.5° | 113.5 |
| 35° | 139.3 |
| 37.5° | 165.1 |
| 40° | 190.5 |
| 42.5° | 214.2 |
| 45° | 235.5 |
| 47.5° | 255.5 |
| 50° | 276.0 |
| 52.5° | 294.5 |
| 55° | 310.9 |
| 57.5° | 325.1 |
| 60° | 335.8 |
| 62.5° | 342.7 |
| 65° | 347.5 |
| 67.5° | 351.0 |
| 70° | 351.4 |
| 72.5° | 349.4 |
| 75° | 346.9 |
| 77.5° | 344.5 |
| 80° | 341.8 |
| 82.5° | 338.8 |
| 85° | 336.2 |
| 87.5° | 340.1 |
| 90° | 338.5 |
| 92.5° | 336.0 |
| 95° | 323.1 |
| 97.5° | 291.2 |
| 100° | 284.1 |
| 102.5° | 312.7 |
| 105° | 312.7 |
| 107.5° | 276.3 |
| 110° | 251.1 |

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Scaled Data Report

REPORT NUMBER: P981369
CATALOG NUMBER: FFX-CLB-20-722-U-PG-T5

**CANDELA DISTRIBUTION (continued):**

| | 0° |
|---|---|
| 112.5° | *227.8* |
| 115° | *211.3* |
| 117.5° | *199.3* |
| 120° | *188.0* |
| 122.5° | *176.6* |
| 125° | *164.0* |
| 127.5° | *151.1* |
| 130° | *137.4* |
| 132.5° | *122.5* |
| 135° | *108.6* |
| 137.5° | *95.9* |
| 140° | *83.9* |
| 142.5° | *72.7* |
| 145° | *62.9* |
| 147.5° | *54.4* |
| 150° | *47.3* |
| 152.5° | *41.7* |
| 155° | *37.1* |
| 157.5° | *33.5* |
| 160° | *30.7* |
| 162.5° | *28.6* |
| 165° | *27.4* |
| 167.5° | *26.5* |
| 170° | *26.1* |
| 172.5° | *26.0* |
| 175° | *25.8* |
| 177.5° | *25.8* |
| 180° | *25.8* |

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

# LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

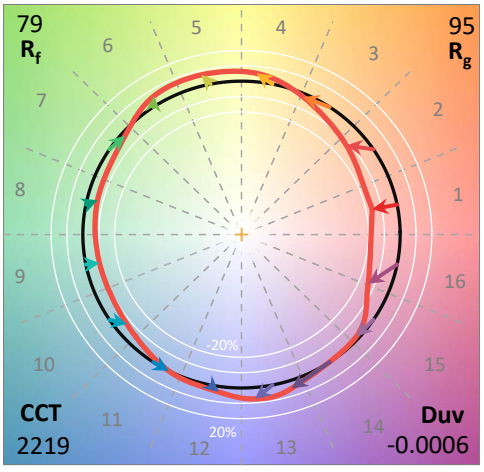
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2501-332-2 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 03/31/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | Streetworks |
| Catalog Number: | **FFX-CLB-100-722-U-FR-T5** |
| Description: | FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5 |

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 2219 | CRI (Ra): | 73.3 | | |
| CIE u': | 0.2889 | R1: | 71.2 | R9: | -25.6 |
| CIE v': | 0.5348 | R2: | 89.1 | R10: | 78.7 |
| Duv: | -0.0006 | R3: | 88.3 | R11: | 66.6 |
| CIE x: | 0.5023 | R4: | 68.0 | R12: | 77.1 |
| CIE y: | 0.4133 | R5: | 71.8 | R13: | 75.0 |
| CIE z: | 0.0844 | R6: | 89.6 | R14: | 93.9 |
| Peak Wavelength (nm): | 606 | R7: | 71.4 | R15: | 61.0 |
| Dominant Wavelength (nm): | 587 | R8: | 37.3 | | |
| Purity: | 74.84521 | | | | |
| Rf: | 78.8 | | | | |
| Rg: | 94.5 | | | | |




## Test Conditions

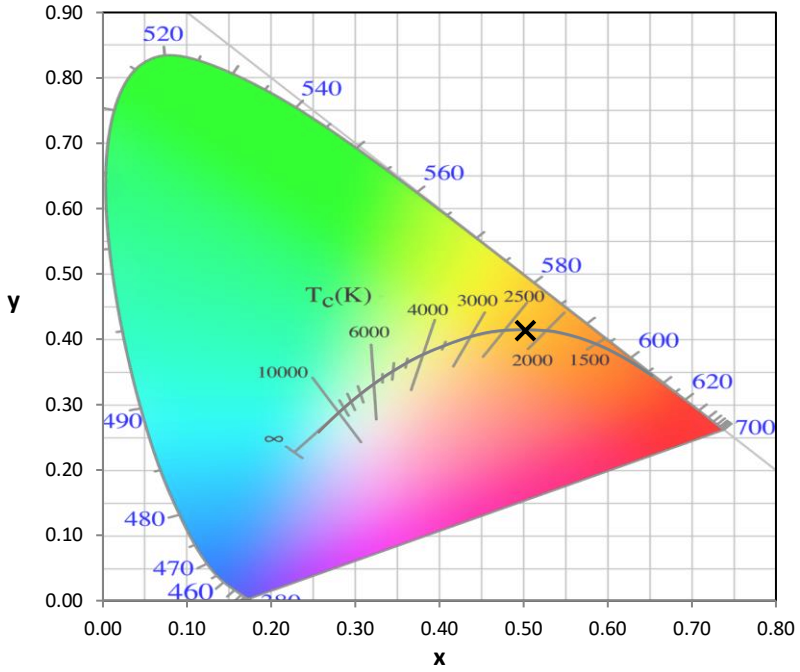
| | |
|---|---|
| Stabilization Time: | 61M |
| Operation Time: | 2H 1M |
| Sphere Temperature (°C): | 25.0 |

REPORT NUMBER: SP1-2501-332-2

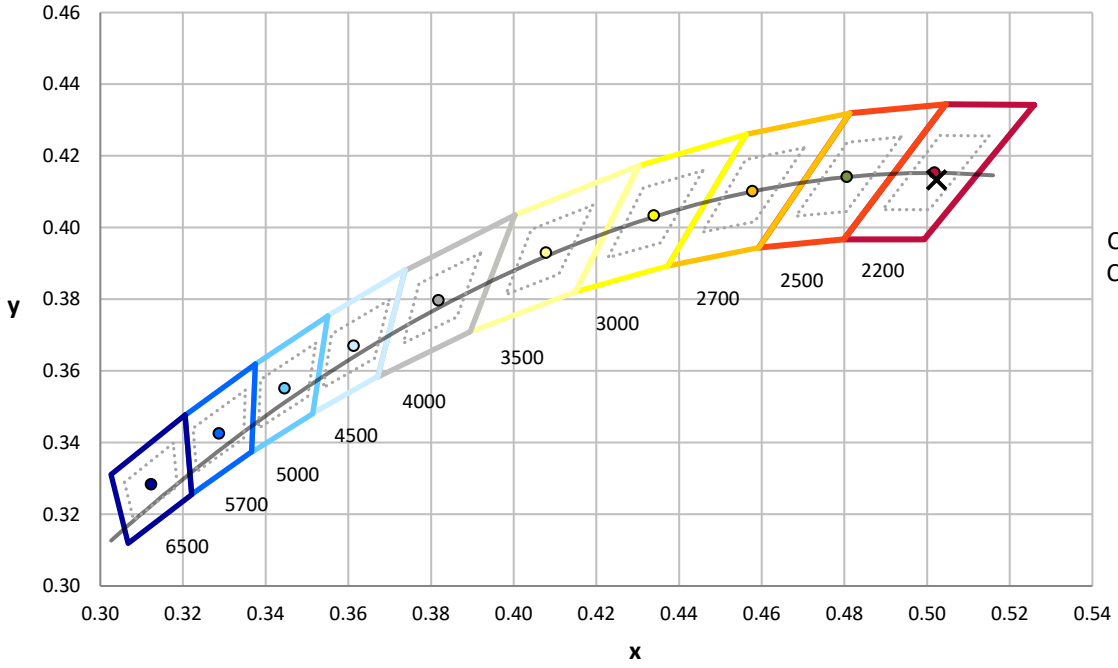
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 12/16/2024 | 6/16/2025 |
| Power Meter | INXT2011004 | 1/21/2025 | 1/21/2026 |
| AC Power Source | IN0063 | 10/22/2024 | 10/22/2025 |
| DC Power Source | IN0208 | 10/22/2024 | 10/22/2025 |
| Sphere Thermometer | IN0085 | 10/22/2024 | 10/22/2025 |
| Room Thermometer | IN0046 | 10/22/2024 | 10/22/2025 |

REPORT NUMBER: SP1-2501-332-2

## CIE 1931 Chromaticity Diagram




## CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

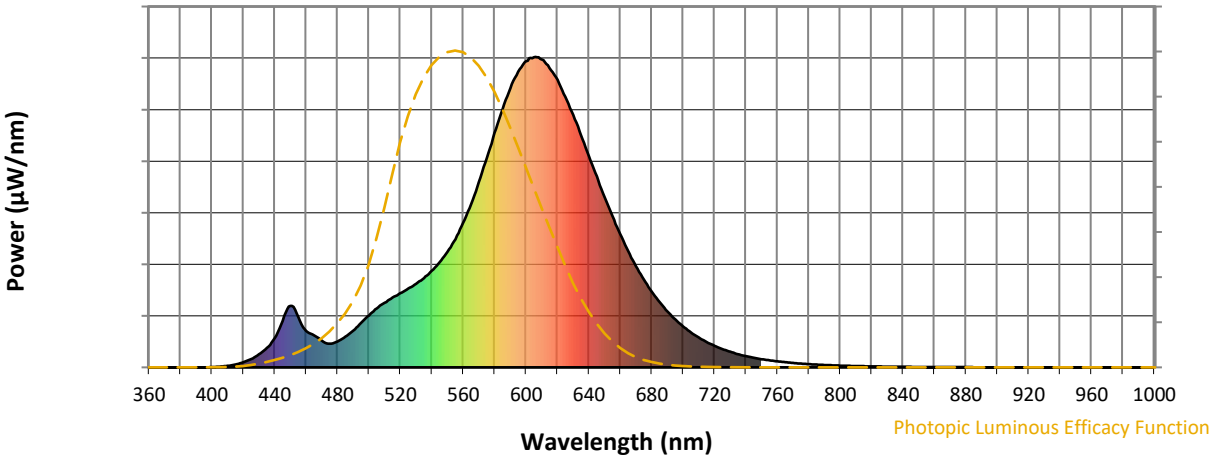



CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

## Photopic Flux vs. Wavelength

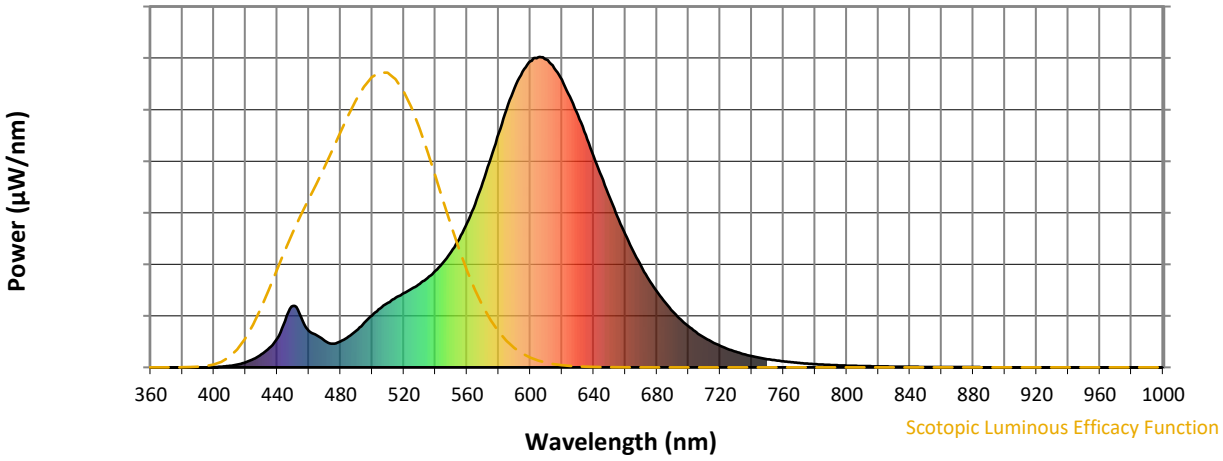



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 118 | NR | 620 | 926 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 143 | NR | 625 | 872 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 167 | NR | 630 | 813 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 190 | NR | 635 | 748 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 208 | NR | 640 | 681 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 224 | NR | 645 | 616 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 239 | NR | 650 | 548 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 0 | NR | 525 | 254 | NR | 655 | 486 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 1 | NR | 530 | 269 | NR | 660 | 429 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 2 | NR | 535 | 288 | NR | 665 | 375 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 5 | NR | 540 | 311 | NR | 670 | 326 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 10 | NR | 545 | 339 | NR | 675 | 282 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 16 | NR | 550 | 372 | NR | 680 | 245 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 27 | NR | 555 | 413 | NR | 685 | 210 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 42 | NR | 560 | 466 | NR | 690 | 180 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 63 | NR | 565 | 526 | NR | 695 | 154 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 94 | NR | 570 | 597 | NR | 700 | 132 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 150 | NR | 575 | 674 | NR | 705 | 113 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 198 | NR | 580 | 756 | NR | 710 | 96 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 162 | NR | 585 | 831 | NR | 715 | 82 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 117 | NR | 590 | 900 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 952 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 85 | NR | 600 | 987 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 999 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 84 | NR | 610 | 991 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 98 | NR | 615 | 964 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2501-332-2

## Scotopic Flux vs. Wavelength

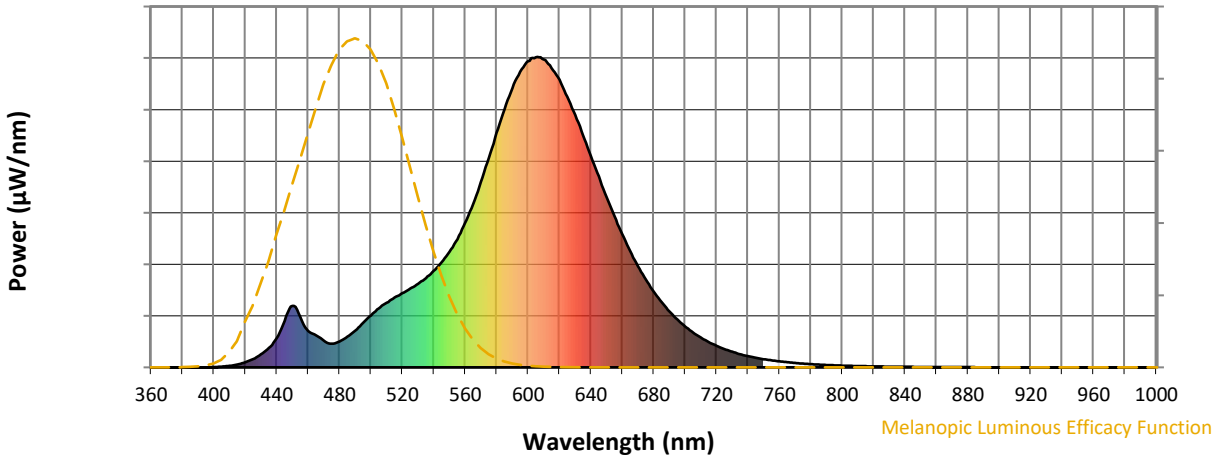



**Scotopic Lumens: NR** **S/P: 0.94**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 118 | NR | 620 | 926 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 143 | NR | 625 | 872 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 167 | NR | 630 | 813 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 190 | NR | 635 | 748 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 208 | NR | 640 | 681 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 224 | NR | 645 | 616 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 239 | NR | 650 | 548 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 0 | NR | 525 | 254 | NR | 655 | 486 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 1 | NR | 530 | 269 | NR | 660 | 429 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 2 | NR | 535 | 288 | NR | 665 | 375 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 5 | NR | 540 | 311 | NR | 670 | 326 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 10 | NR | 545 | 339 | NR | 675 | 282 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 16 | NR | 550 | 372 | NR | 680 | 245 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 27 | NR | 555 | 413 | NR | 685 | 210 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 42 | NR | 560 | 466 | NR | 690 | 180 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 63 | NR | 565 | 526 | NR | 695 | 154 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 94 | NR | 570 | 597 | NR | 700 | 132 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 150 | NR | 575 | 674 | NR | 705 | 113 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 198 | NR | 580 | 756 | NR | 710 | 96 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 162 | NR | 585 | 831 | NR | 715 | 82 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 117 | NR | 590 | 900 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 952 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 85 | NR | 600 | 987 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 999 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 84 | NR | 610 | 991 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 98 | NR | 615 | 964 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2501-332-2

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 1.65**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 118 | NR | 620 | 926 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 143 | NR | 625 | 872 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 167 | NR | 630 | 813 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 190 | NR | 635 | 748 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 208 | NR | 640 | 681 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 224 | NR | 645 | 616 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 239 | NR | 650 | 548 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 0 | NR | 525 | 254 | NR | 655 | 486 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 1 | NR | 530 | 269 | NR | 660 | 429 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 2 | NR | 535 | 288 | NR | 665 | 375 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 5 | NR | 540 | 311 | NR | 670 | 326 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 10 | NR | 545 | 339 | NR | 675 | 282 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 16 | NR | 550 | 372 | NR | 680 | 245 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 27 | NR | 555 | 413 | NR | 685 | 210 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 42 | NR | 560 | 466 | NR | 690 | 180 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 63 | NR | 565 | 526 | NR | 695 | 154 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 94 | NR | 570 | 597 | NR | 700 | 132 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 150 | NR | 575 | 674 | NR | 705 | 113 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 198 | NR | 580 | 756 | NR | 710 | 96 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 162 | NR | 585 | 831 | NR | 715 | 82 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 117 | NR | 590 | 900 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 952 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 85 | NR | 600 | 987 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 999 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 84 | NR | 610 | 991 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 98 | NR | 615 | 964 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

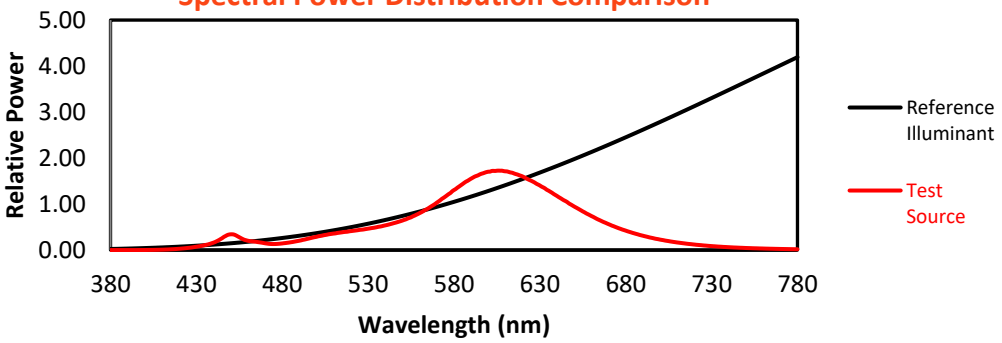
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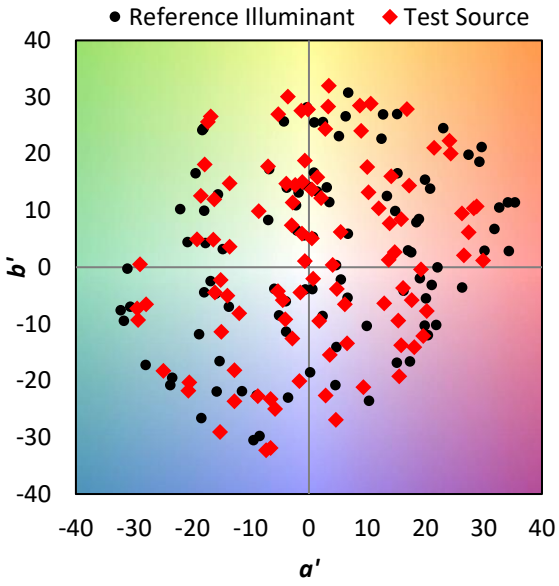
## Summary

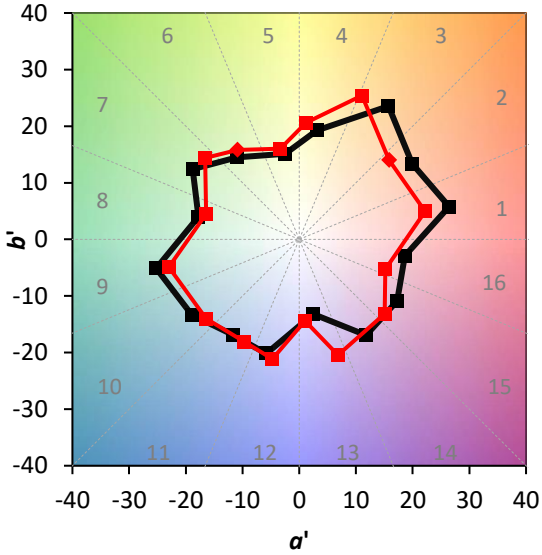
$R_f$ = 78.8
$R_g$ = 94.5
CIE $R_a$ = 73.3
$R_9$ = -25.6

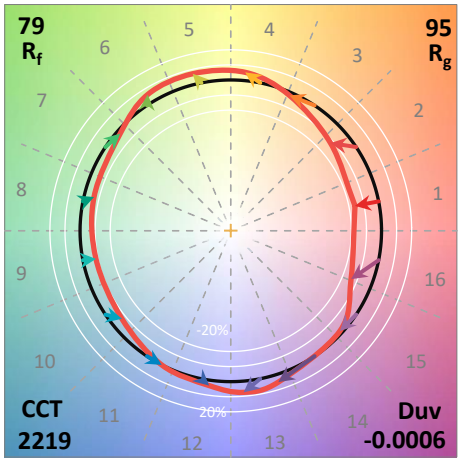
## Spectral Power Distribution Comparison

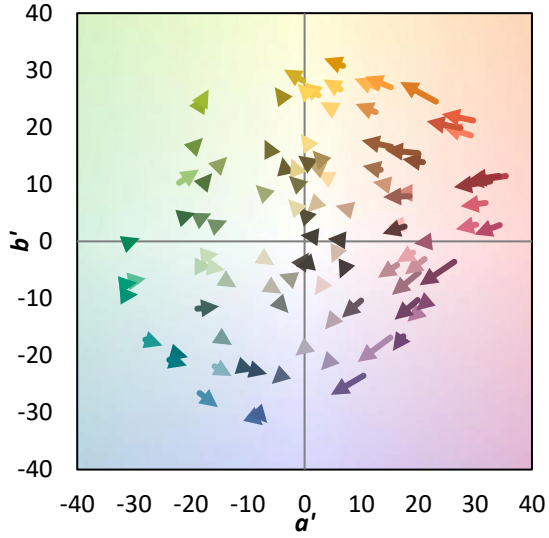



## Color Vector Graphics



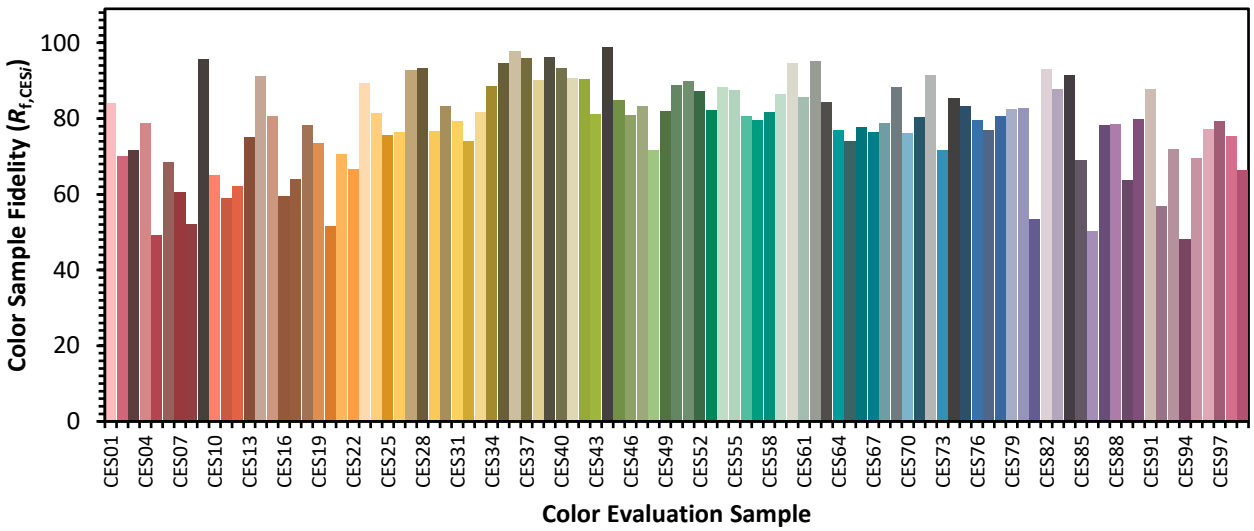



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**Individual Sample Fidelity Index ($R_{f,i}$)**

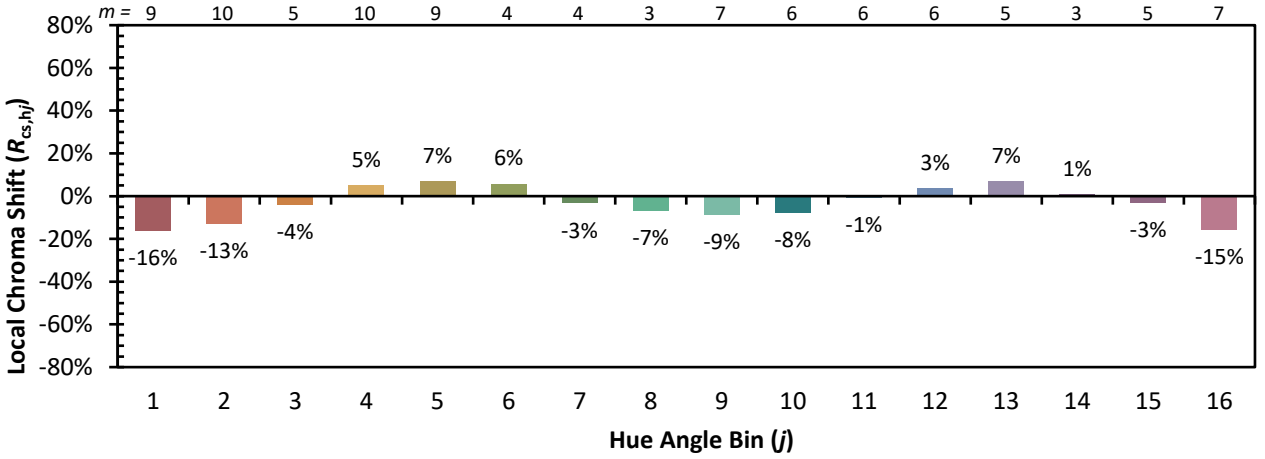
| | | | |
|---|---|---|---|
| CES01 = 87 | CES26 = 76 | CES51 = 90 | CES76 = 80 |
| CES02 = 65 | CES27 = 93 | CES52 = 87 | CES77 = 77 |
| CES03 = 32 | CES28 = 93 | CES53 = 82 | CES78 = 81 |
| CES04 = 72 | CES29 = 77 | CES54 = 88 | CES79 = 83 |
| CES05 = 52 | CES30 = 83 | CES55 = 88 | CES80 = 83 |
| CES06 = 52 | CES31 = 79 | CES56 = 81 | CES81 = 53 |
| CES07 = 44 | CES32 = 74 | CES57 = 80 | CES82 = 93 |
| CES08 = 42 | CES33 = 82 | CES58 = 82 | CES83 = 88 |
| CES09 = 29 | CES34 = 89 | CES59 = 87 | CES84 = 91 |
| CES10 = 79 | CES35 = 95 | CES60 = 95 | CES85 = 69 |
| CES11 = 62 | CES36 = 98 | CES61 = 86 | CES86 = 50 |
| CES12 = 68 | CES37 = 96 | CES62 = 95 | CES87 = 78 |
| CES13 = 45 | CES38 = 90 | CES63 = 84 | CES88 = 79 |
| CES14 = 75 | CES39 = 96 | CES64 = 77 | CES89 = 64 |
| CES15 = 72 | CES40 = 93 | CES65 = 74 | CES90 = 80 |
| CES16 = 49 | CES41 = 91 | CES66 = 78 | CES91 = 88 |
| CES17 = 51 | CES42 = 90 | CES67 = 77 | CES92 = 57 |
| CES18 = 57 | CES43 = 81 | CES68 = 79 | CES93 = 72 |
| CES19 = 74 | CES44 = 99 | CES69 = 88 | CES94 = 48 |
| CES20 = 68 | CES45 = 85 | CES70 = 76 | CES95 = 70 |
| CES21 = 88 | CES46 = 81 | CES71 = 80 | CES96 = 77 |
| CES22 = 81 | CES47 = 83 | CES72 = 91 | CES97 = 79 |
| CES23 = 92 | CES48 = 72 | CES73 = 72 | CES98 = 75 |
| CES24 = 92 | CES49 = 82 | CES74 = 85 | CES99 = 66 |
| CES25 = 73 | CES50 = 89 | CES75 = 83 | |

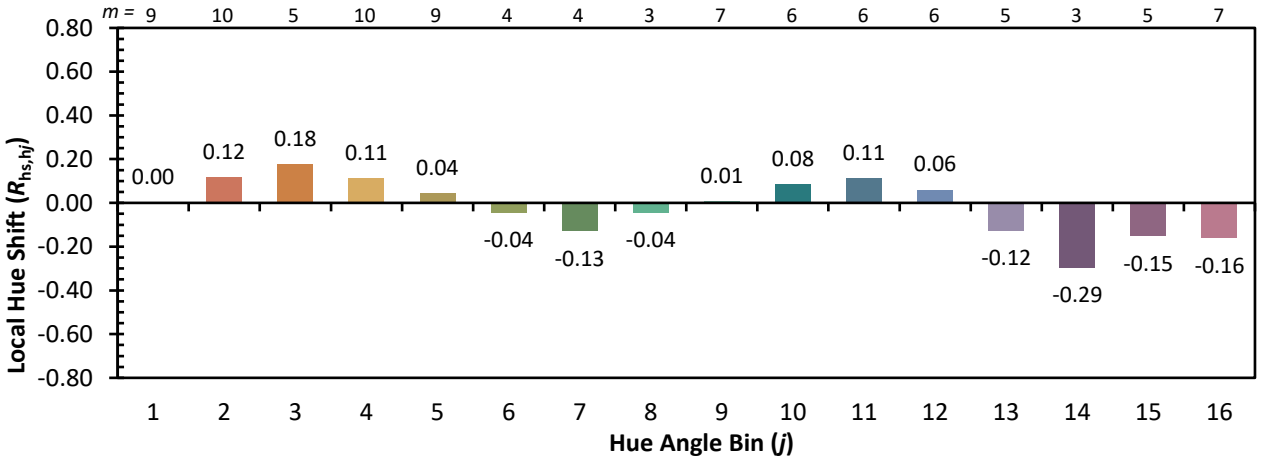


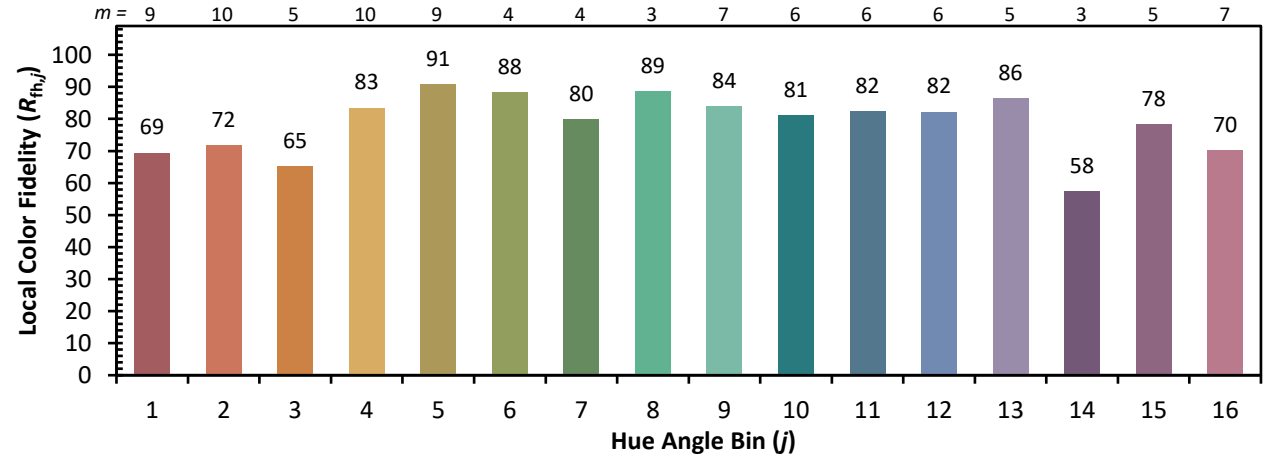
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## Color Rendition by Hue-Angle Bin



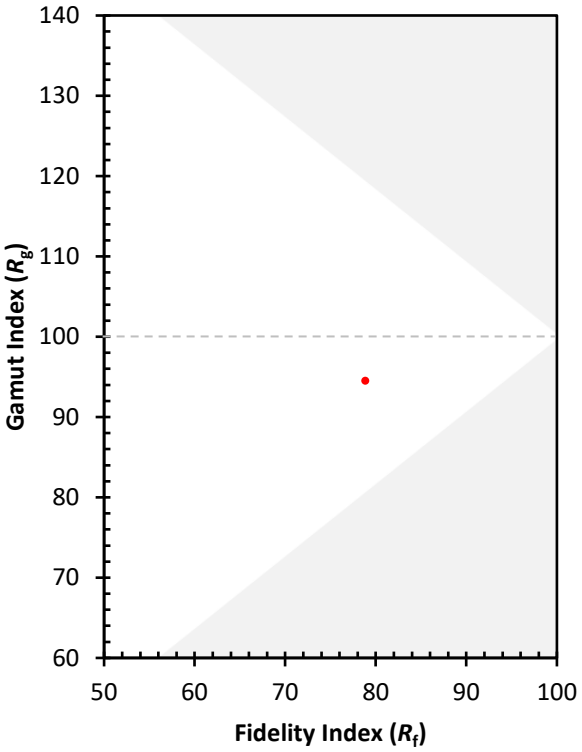



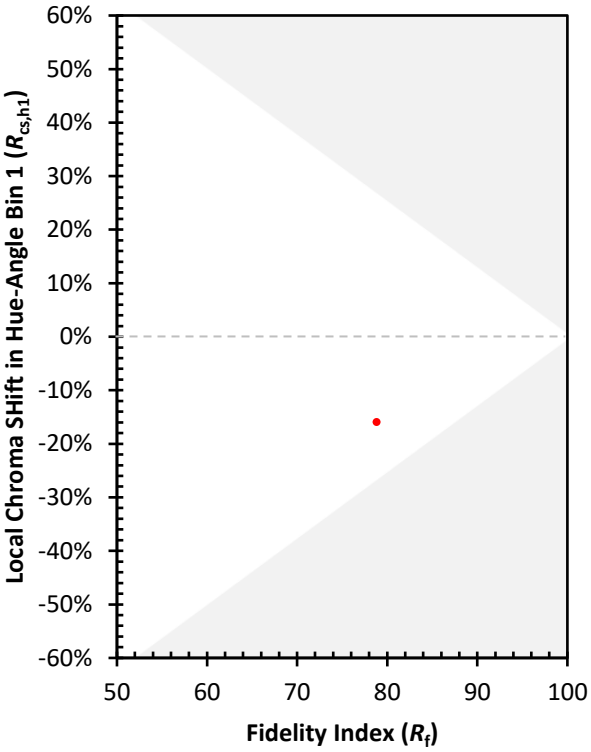



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## Measure Comparisons




(END OF REPORT)