

Signify Classified - Internal  
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: P856287

Luminaire Tested: **FFX-CLB-40-722-U-FG**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856287  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-40-722-U-FG  
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE  
Light Source: (6) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

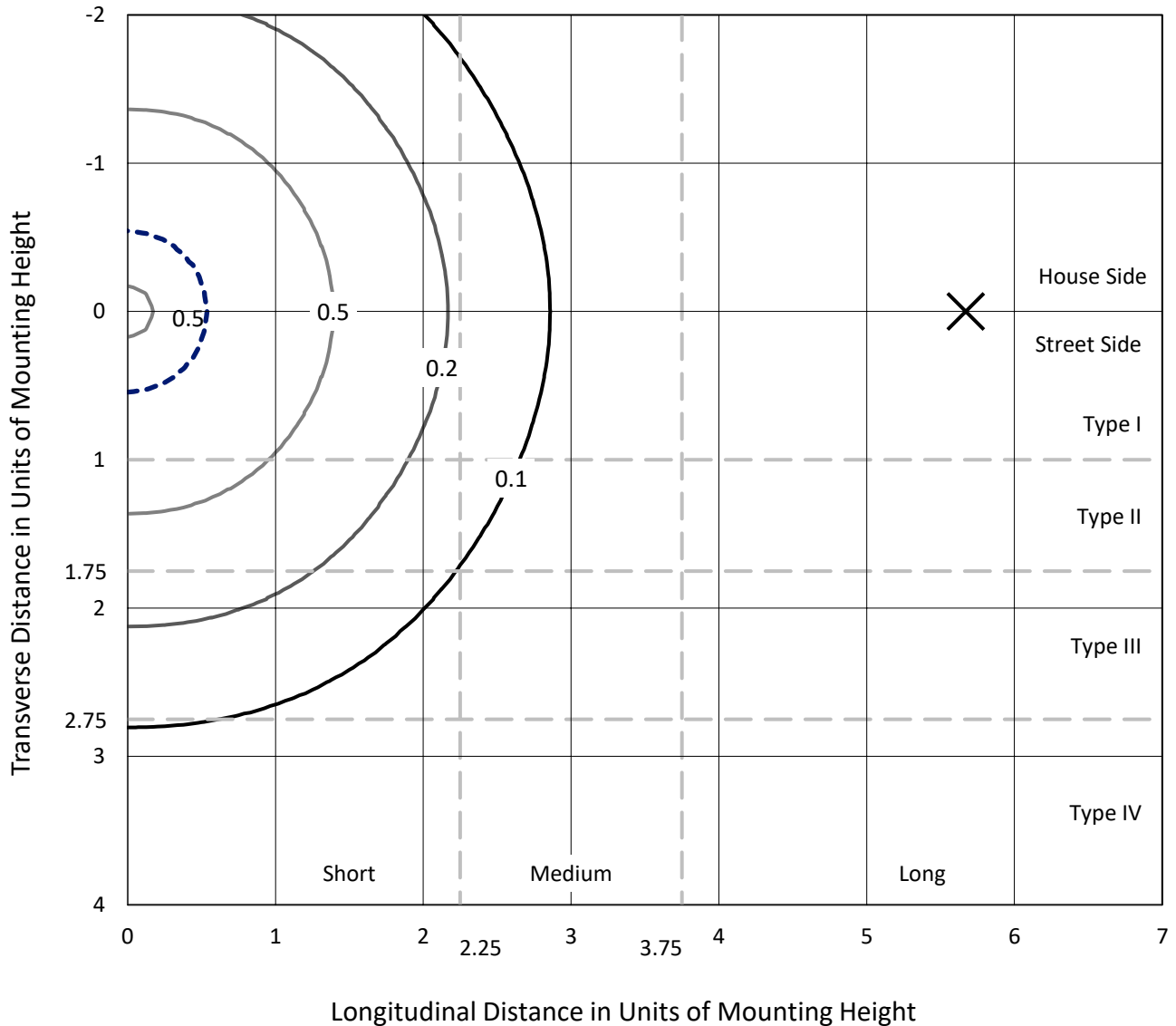
Lumens per Lamp: N/A  
Luminaire Lumens: 5682.3 lumens  
Efficiency: N/A  
Efficacy: 144.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')  
IES Classification: Type V - Short  
BUG Rating: B2 - U5 - G3

Input Watts (W): 39.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 8.2%%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

REPORT NUMBER: P856287  
 CATALOG NUMBER: FFX-CLB-40-722-U-FG

### Iso-Footcandle Lines of Horizontal Illumination

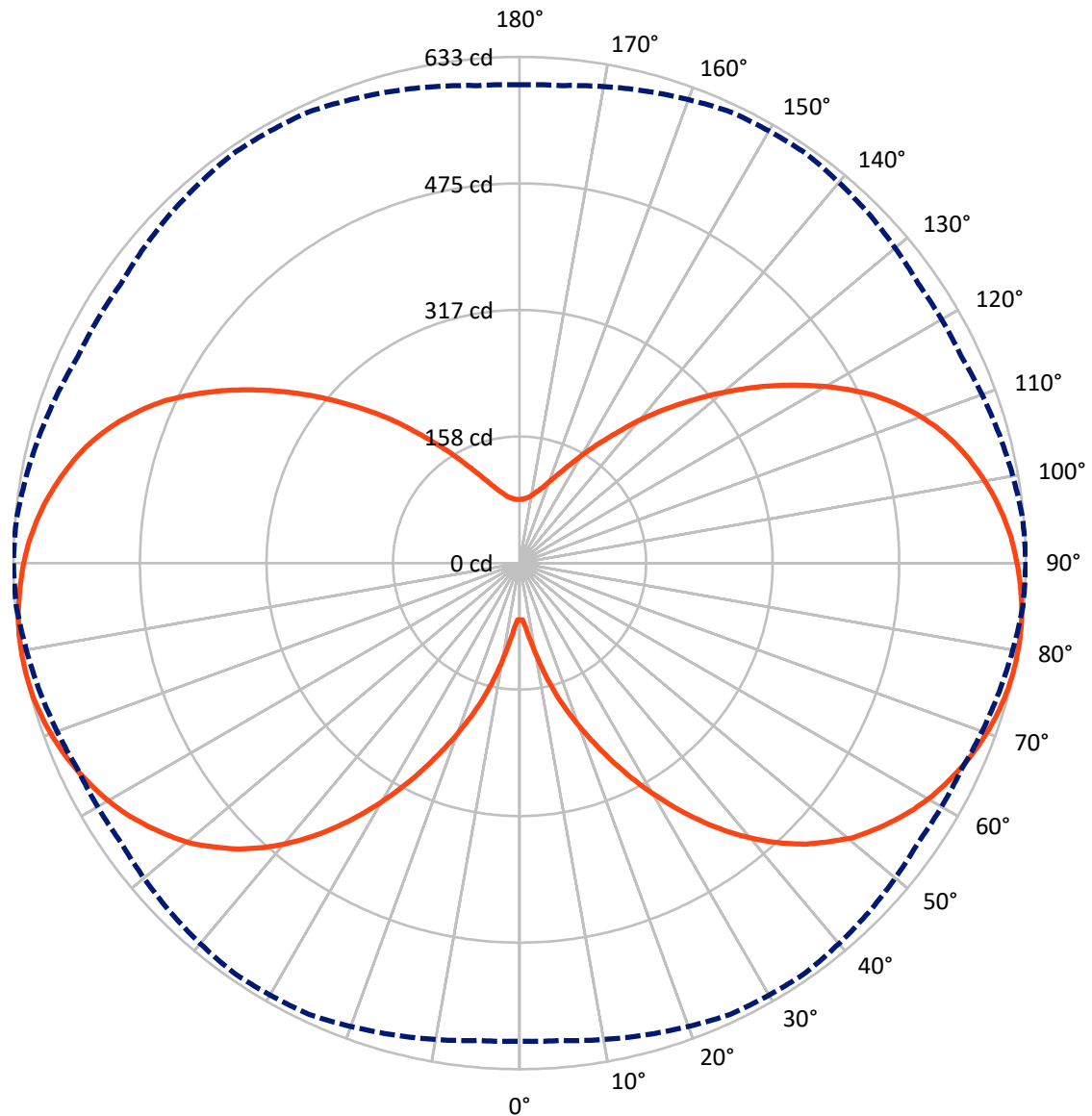
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 80-Deg Vertical

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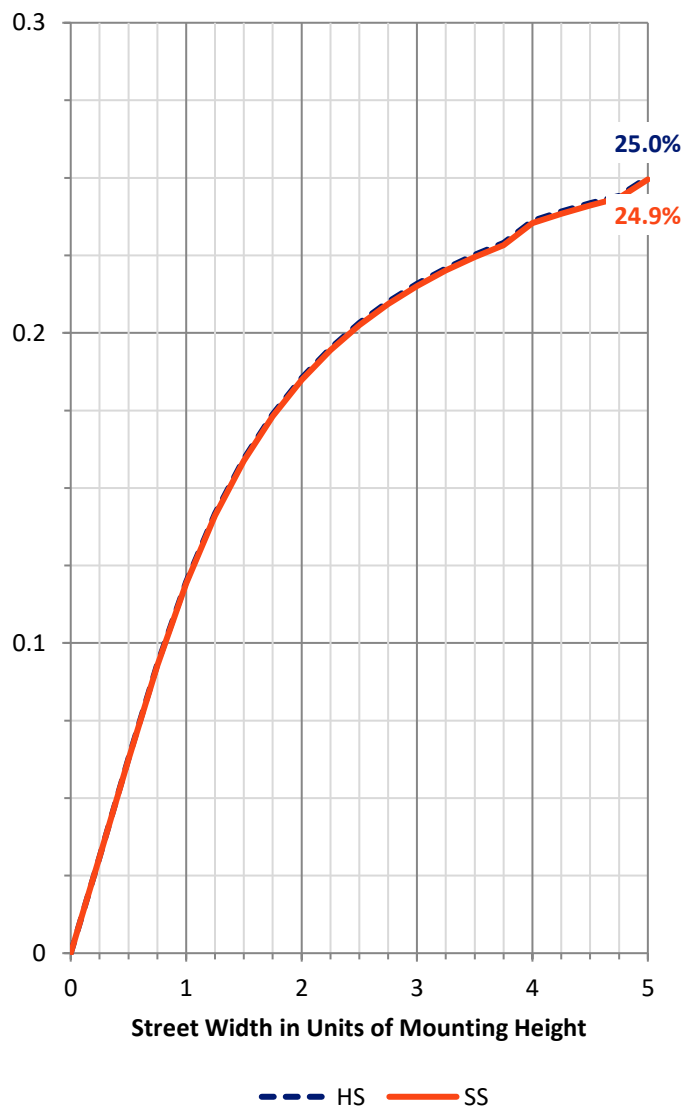
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1616.7	1224.5	2841.1
	% Fixture	28.5	21.5	50.0
<b>Street Side</b>	Lumens	1616.7	1224.5	2841.1
	% Fixture	28.5	21.5	50.0
<b>Total</b>	Lumens	3233.3	2449.0	5682.3
	% Fixture	56.9	43.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.0	0.2
10°-20°	49.6	0.9
20°-30°	130.4	2.3
30°-40°	249.2	4.4
40°-50°	383.1	6.7
50°-60°	501.9	8.8
60°-70°	592.4	10.4
70°-80°	649.9	11.4
80°-90°	667.7	11.8
90°-100°	643.3	11.3
100°-110°	576.8	10.2
110°-120°	468.7	8.2
120°-130°	334.9	5.9
130°-140°	211.8	3.7
140°-150°	118.6	2.1
150°-160°	59.7	1.1
160°-170°	27.1	0.5
170°-180°	7.9	0.1
0°-90°	3233.3	56.9
0°-180°	5682.3	100.0



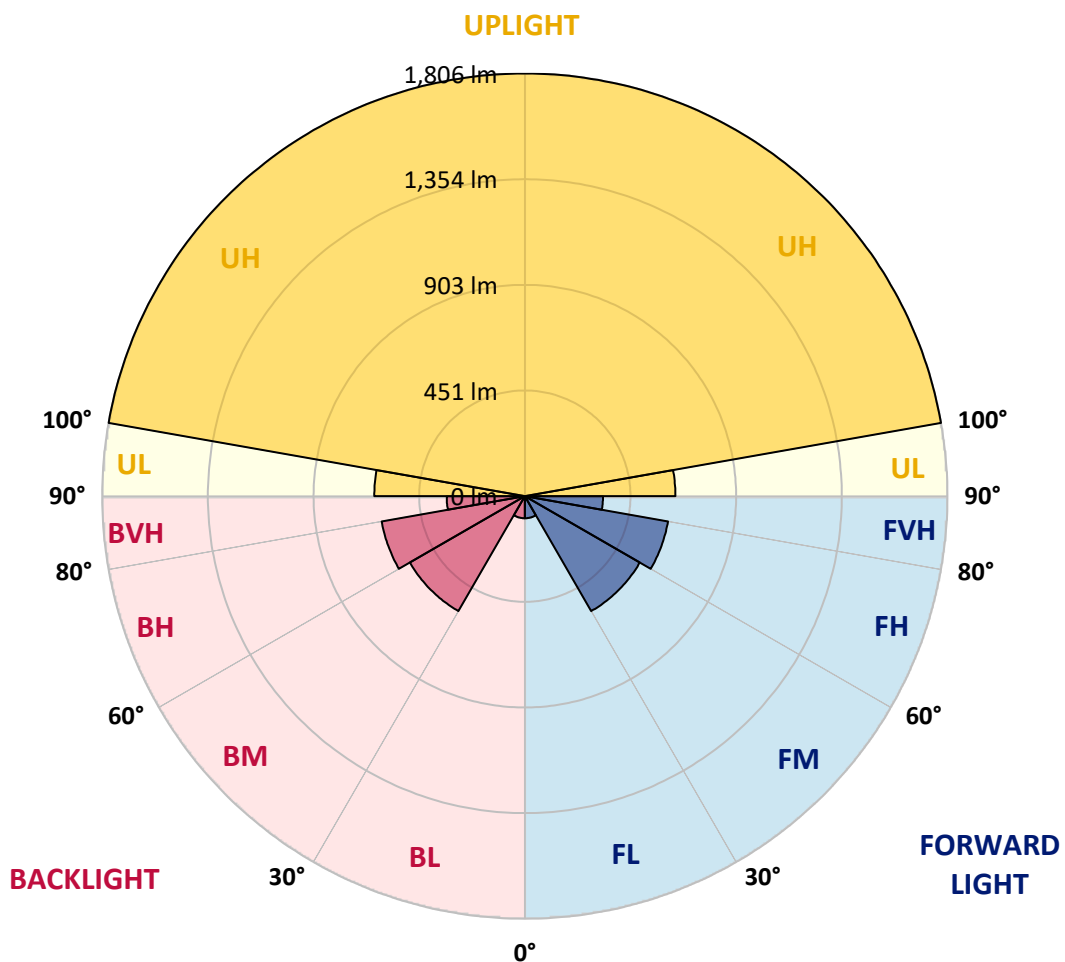
REPORT NUMBER: P856287  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.5	1.7			
FM (30°-60°)	567.2	10.0			
FH (60°-80°)	621.2	10.9			G0/660
FVH (80°-90°)	333.9	5.9			G3/500
BL (0°-30°)	94.5	1.7	B0/110		
BM (30°-60°)	567.2	10.0	B1/1000		
BH (60°-80°)	621.2	10.9	B2/1000		G0/660
BVH (80°-90°)	333.9	5.9			G3/500
UL (90°-100°)	643.3	11.3		U4/1000	
UH (100°-180°)	1805.7	31.8		U5	

**BUG Rating: B2-U5-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2.5°	74.8	74.8	74.5	73.8	73.4	73.1	72.4	71.3	71.0	71.0	71.0
5°	81.5	81.8	81.8	81.5	81.8	81.1	81.1	80.4	80.8	80.8	81.1
7.5°	97.9	97.9	98.3	98.3	98.6	97.9	98.3	97.9	98.3	98.3	97.9
10°	119.2	119.2	119.9	119.2	119.6	118.9	118.5	118.5	119.6	119.2	118.9
12.5°	143.4	144.1	143.7	143.4	144.1	143.4	142.7	143.0	144.4	143.7	143.4
15°	168.9	169.6	170.3	169.2	169.6	169.2	168.9	169.2	170.6	169.9	169.6
17.5°	194.8	195.1	195.8	194.4	194.8	195.1	194.8	195.1	196.2	195.8	195.5
20°	220.6	221.3	222.0	220.6	221.0	221.3	221.0	221.3	222.7	222.0	221.7
22.5°	247.9	248.3	249.7	247.9	248.6	249.0	248.3	249.0	250.4	249.7	249.3
25°	276.2	275.9	278.0	276.6	276.9	277.6	276.9	277.6	279.4	279.4	278.3
27.5°	305.3	305.3	307.0	306.0	306.7	306.3	307.0	307.7	309.5	309.8	308.8
30°	334.3	334.3	337.1	335.3	336.4	336.7	336.7	337.4	339.5	340.2	338.8
32.5°	363.3	363.3	364.7	365.1	365.8	366.1	366.8	366.8	369.6	370.0	369.3
35°	391.6	391.6	393.0	393.7	395.5	394.8	395.8	395.8	399.0	399.3	399.0
37.5°	418.6	418.9	420.7	421.4	422.8	422.8	423.5	424.2	427.0	428.0	427.7
40°	444.1	444.8	446.2	447.6	449.0	449.0	449.3	450.4	453.5	454.6	454.2
42.5°	467.2	467.5	469.6	471.7	473.1	473.1	473.5	474.2	477.7	479.1	479.1
45°	487.5	488.5	491.3	494.1	495.5	495.1	495.1	496.2	500.0	501.8	501.8
47.5°	506.3	507.7	510.9	513.7	515.1	515.1	514.7	515.8	520.0	522.1	521.0
50°	523.1	524.2	527.7	531.9	532.9	532.9	531.9	532.9	537.5	540.3	540.3
52.5°	537.1	538.2	542.4	546.9	548.3	548.0	546.6	547.6	552.1	555.3	554.9
55°	549.0	550.4	554.9	560.5	561.9	560.9	559.1	560.2	565.1	569.3	568.9
57.5°	559.8	560.9	566.1	572.1	574.2	572.4	570.0	571.0	576.6	581.2	581.5
60°	568.9	570.0	575.9	582.9	584.7	582.6	579.4	580.5	586.8	592.0	592.7
62.5°	576.6	577.7	584.3	592.0	594.5	591.3	587.5	588.5	595.5	601.5	601.8
65°	582.9	584.0	591.7	599.7	602.2	598.7	594.1	595.2	602.9	609.5	610.2
67.5°	587.8	589.2	598.0	606.7	608.8	604.6	599.4	600.4	608.8	616.5	617.2
70°	592.0	593.8	602.9	612.3	614.7	609.8	603.6	604.9	614.4	622.1	623.1
72.5°	595.2	596.9	606.7	616.8	619.6	613.7	606.7	608.1	618.2	626.6	627.7
75°	597.3	599.0	609.5	620.3	622.8	616.5	608.8	610.2	620.7	629.8	631.2
77.5°	598.3	600.1	611.2	622.4	624.9	617.5	609.5	610.9	621.7	631.5	632.9
80°	598.3	599.7	611.2	623.1	625.2	617.9	609.1	610.2	621.4	631.9	633.3
82.5°	597.3	598.7	610.5	622.4	624.5	616.5	607.4	608.8	620.3	630.8	632.6
85°	594.8	596.2	608.1	620.3	622.4	613.7	604.3	605.6	617.2	628.4	630.1
87.5°	591.3	593.1	604.6	616.8	618.6	609.5	600.4	601.1	613.3	624.9	626.3
90°	587.1	588.9	599.7	611.9	613.7	604.6	595.2	596.2	608.1	620.0	621.4
92.5°	582.2	583.6	594.1	605.3	607.4	598.0	588.9	590.3	602.2	614.0	615.8
95°	575.9	577.0	586.8	597.3	599.0	590.6	581.5	582.9	594.8	606.3	608.1
97.5°	568.2	568.9	577.7	587.1	589.2	581.2	572.8	574.2	585.7	597.3	599.4
100°	559.5	559.8	567.5	575.6	577.3	570.7	563.0	564.7	575.6	587.5	588.9
102.5°	549.4	549.4	555.6	562.3	564.4	558.8	552.1	553.9	564.4	575.6	577.3
105°	538.2	537.1	541.7	546.9	549.4	545.2	540.3	541.7	551.4	562.3	564.4
107.5°	524.2	523.1	526.3	530.8	533.3	530.1	526.3	528.4	536.8	546.9	549.0
110°	508.4	507.0	508.4	511.9	514.7	512.6	510.5	512.3	520.3	529.8	531.2



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 CATALOG NUMBER: FFX-CLB-40-722-U-FG

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	490.3	488.5	488.9	491.3	493.8	493.4	492.0	494.8	501.4	509.1	510.9
115°	469.3	467.5	466.5	467.9	470.0	471.4	472.8	474.5	479.8	486.1	488.9
117.5°	447.2	444.4	442.7	442.7	445.1	447.6	450.0	452.5	456.0	461.9	463.0
120°	421.7	420.0	417.5	417.5	419.6	422.1	425.9	428.7	430.8	435.0	436.4
122.5°	396.5	394.1	391.6	391.6	393.0	396.5	401.8	404.2	405.3	407.7	408.8
125°	371.0	368.2	365.4	365.4	366.8	370.3	376.3	378.4	379.1	380.1	381.2
127.5°	345.1	342.3	339.9	338.8	340.9	343.7	349.7	352.5	352.8	352.8	353.5
130°	319.3	317.2	314.7	313.7	315.8	318.2	324.9	327.7	326.3	326.3	326.6
132.5°	294.8	292.7	290.2	289.5	290.9	294.1	300.0	302.5	301.4	300.0	300.4
135°	271.0	269.3	266.1	265.8	267.9	269.3	274.9	277.3	276.2	274.9	275.2
137.5°	248.3	246.5	243.7	243.4	245.5	247.2	251.4	253.9	252.5	251.1	251.4
140°	226.6	224.5	222.4	222.0	223.4	225.2	229.0	230.4	229.0	228.0	228.3
142.5°	206.3	204.9	202.5	202.5	203.2	204.6	207.7	209.1	207.7	206.3	205.6
145°	187.1	185.3	183.9	183.6	184.3	185.7	187.8	189.2	187.8	186.7	186.0
147.5°	169.9	168.5	167.1	167.1	167.5	168.5	170.3	170.6	169.6	168.9	168.2
150°	154.2	152.8	152.1	151.8	152.1	152.5	153.9	154.6	153.5	152.8	152.1
152.5°	139.9	138.8	138.1	138.5	138.5	138.8	139.2	139.5	138.5	138.5	137.8
155°	127.3	126.6	125.9	126.2	126.2	126.2	126.6	126.6	125.9	125.9	125.5
157.5°	116.8	116.1	115.7	116.1	116.1	115.7	116.1	116.1	115.4	115.4	115.0
160°	107.7	107.0	107.0	107.0	107.0	106.7	107.4	107.0	106.7	106.3	106.3
162.5°	100.4	99.7	99.7	100.0	99.7	99.7	99.7	99.7	99.3	99.3	99.0
165°	94.4	93.7	93.7	94.1	93.7	93.7	93.7	93.7	93.4	93.4	93.4
167.5°	89.5	89.2	89.2	89.2	89.2	88.8	89.2	89.2	88.8	88.8	88.8
170°	85.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.0	85.0
172.5°	83.2	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.5	82.5	82.5
175°	81.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	80.8	80.8
177.5°	80.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	79.7	79.7
180°	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
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: SP1-2406-133-2

Test Date: 07/11/2024

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.

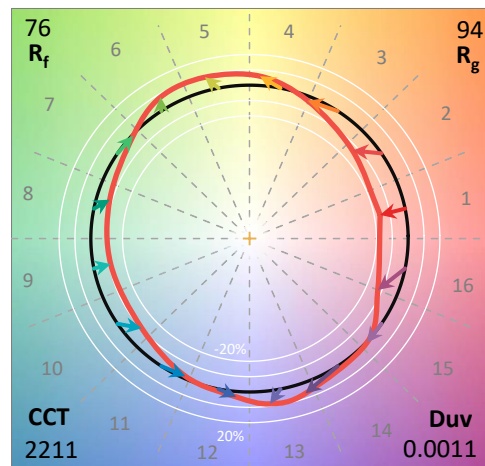
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2406-133-2  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 07/12/2024  
 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): 2211  
 CIE u': 0.2892  
 CIE v': 0.5376  
 Duv: 0.0011  
 CIE x: 0.5069  
 CIE y: 0.4188  
 CIE z: 0.0743  
 Peak Wavelength (nm): 606  
 Dominant Wavelength (nm): 586  
 Purity: 77.8805  
 Rf: 76.1  
 Rg: 94.3

CRI (Ra): 71.4  
 R1: 68.2  
 R2: 85.0  
 R3: 94.0  
 R4: 65.1  
 R5: 66.6  
 R6: 81.8  
 R7: 73.4  
 R8: 37.3  
 R9: -29.2  
 R10: 67.8  
 R11: 60.7  
 R12: 59.0  
 R13: 71.3  
 R14: 97.6  
 R15: 58.9



**Test Conditions**

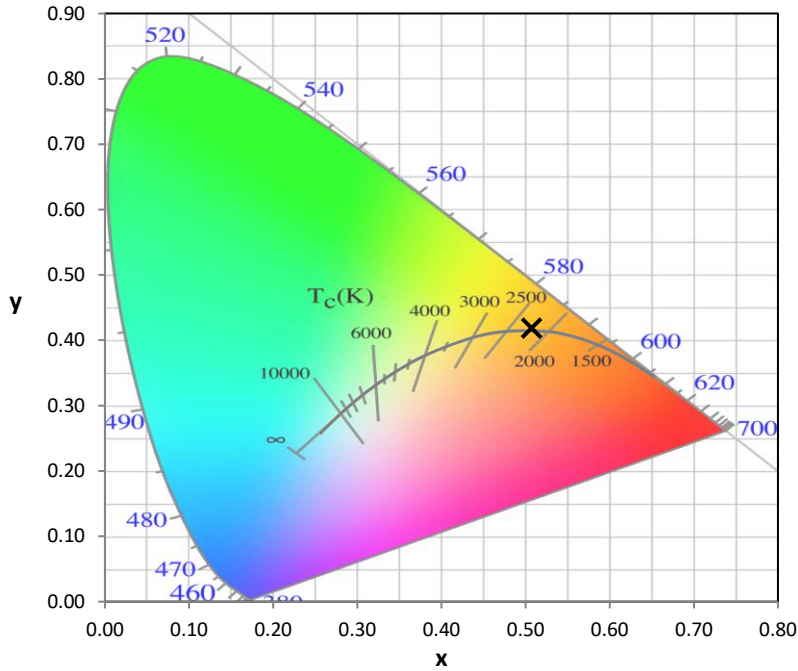
Stabilization Time: 0.813563M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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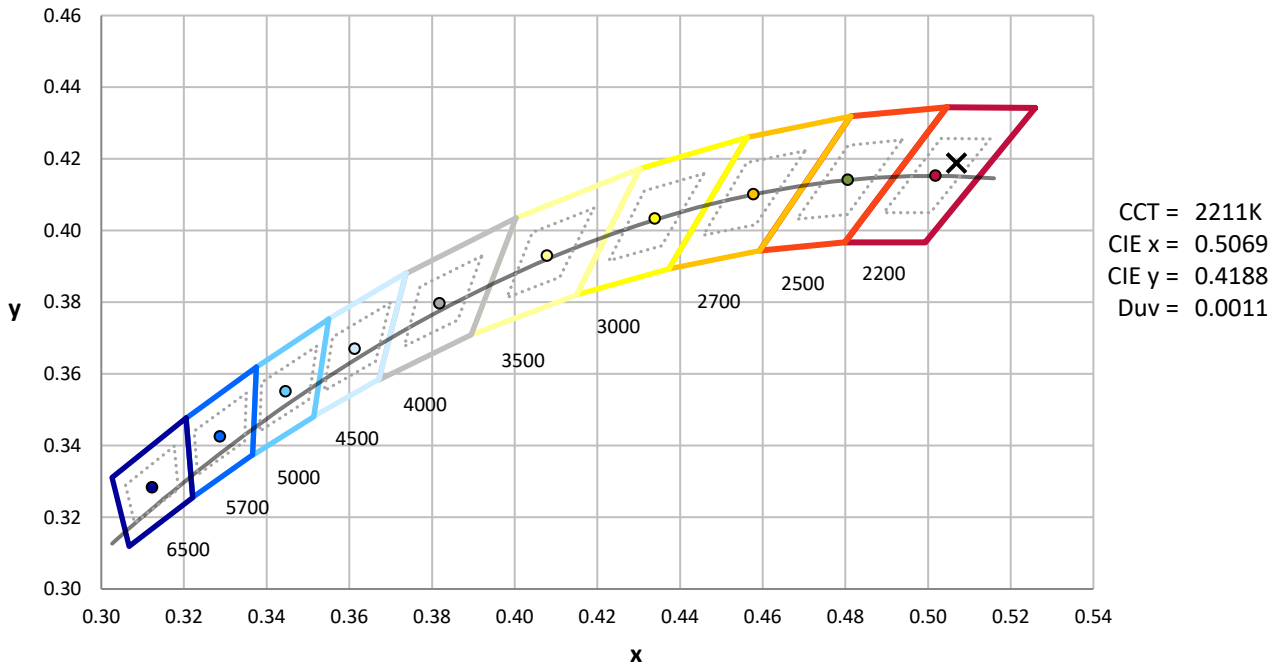
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



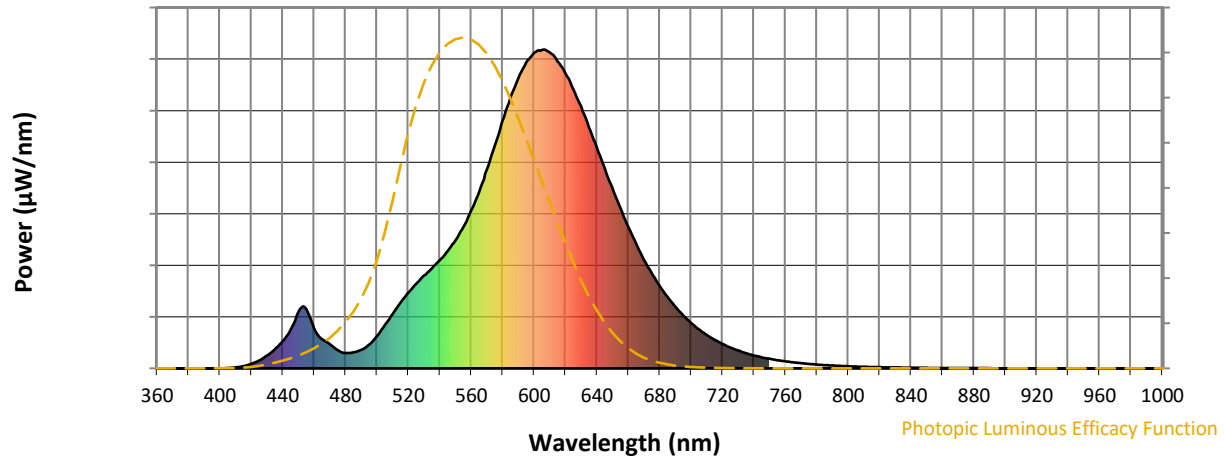
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

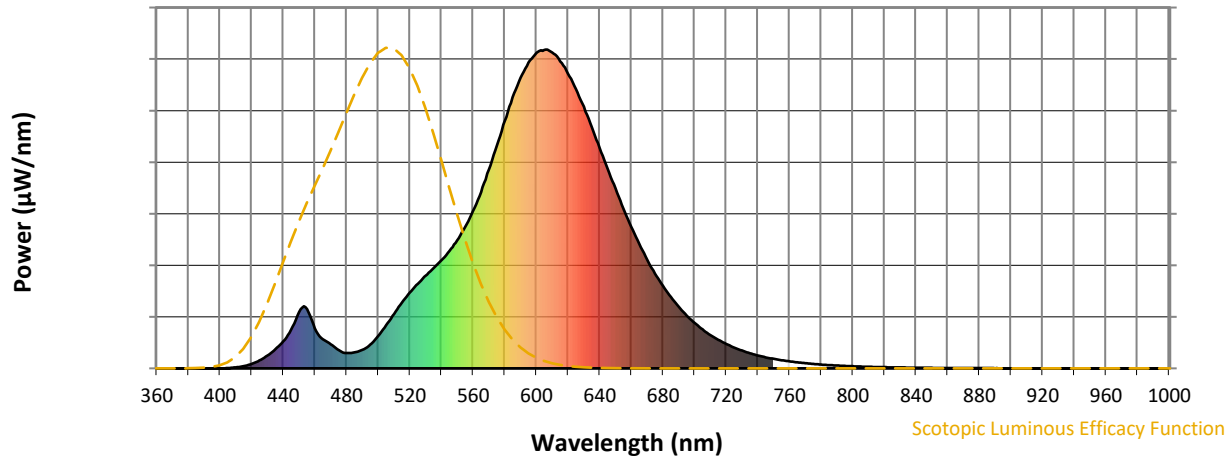


**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



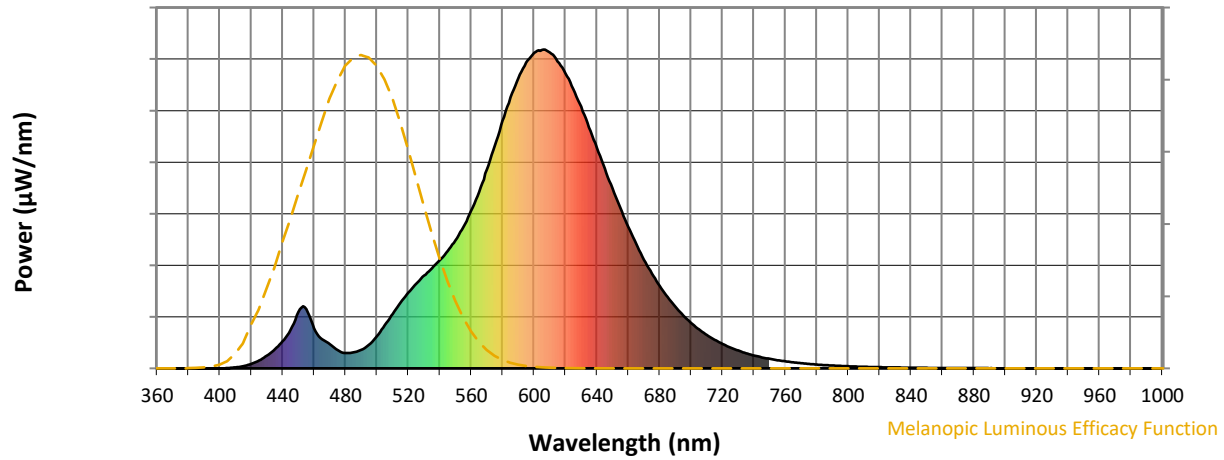
Scotopic Lumens: NR

S/P: 0.87

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.42

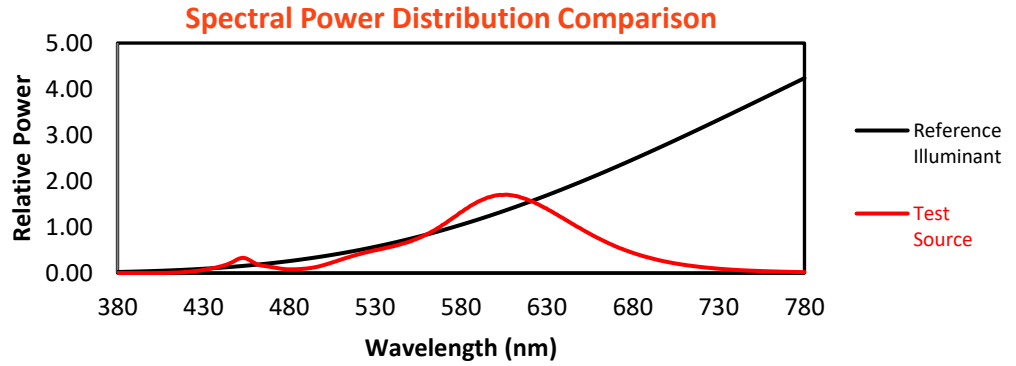
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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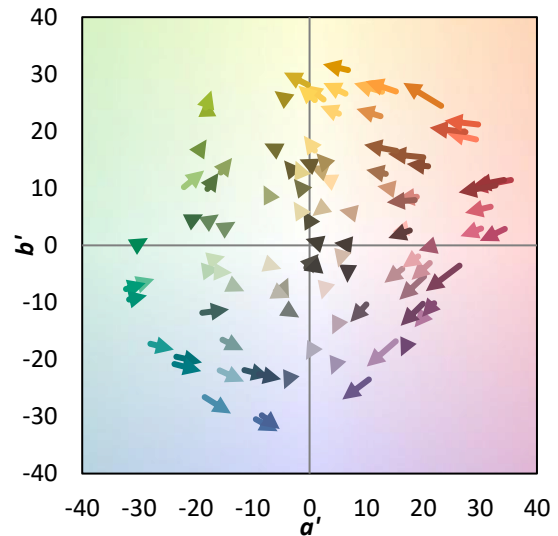
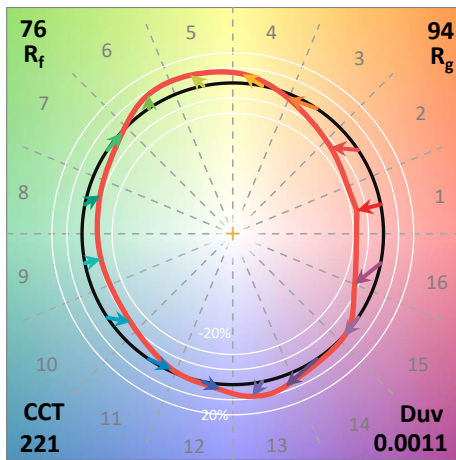
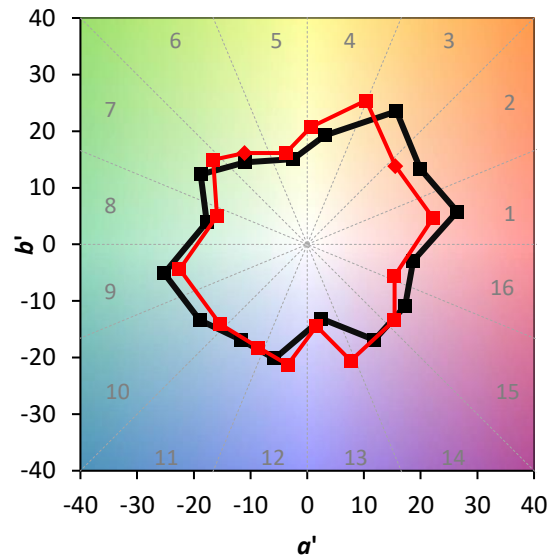
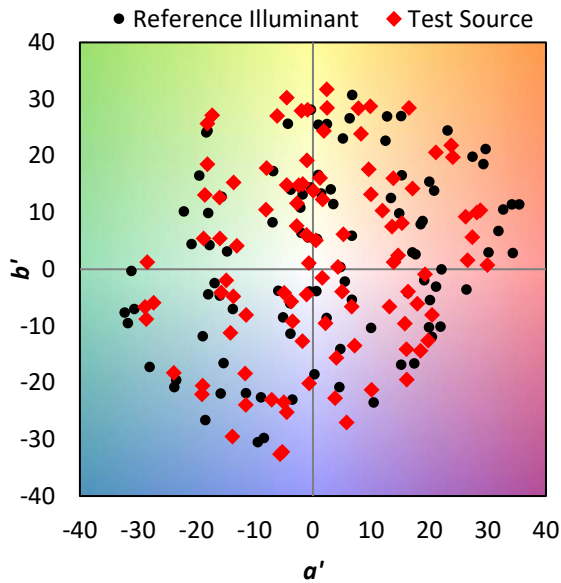
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**Summary**

$R_f = 76.1$   
 $R_g = 94.3$   
 CIE  $R_a = 71.4$   
 $R_9 = -29.2$



**Color Vector Graphics**



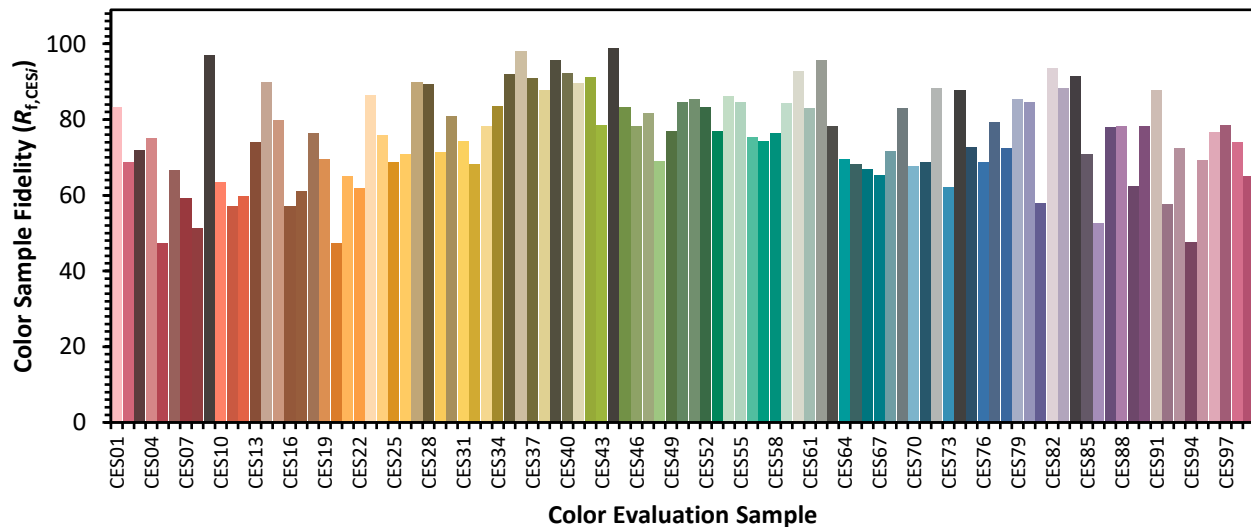


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

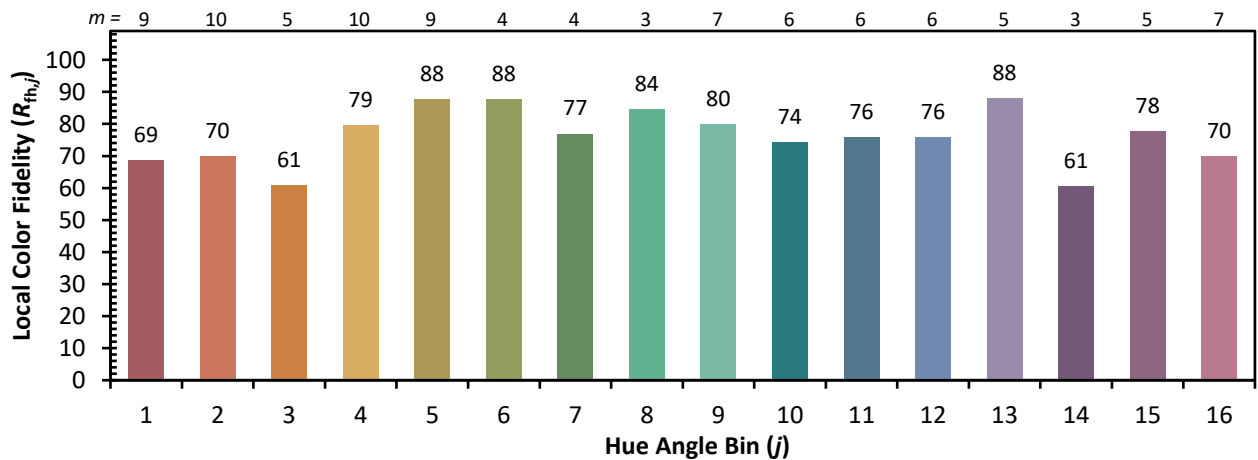
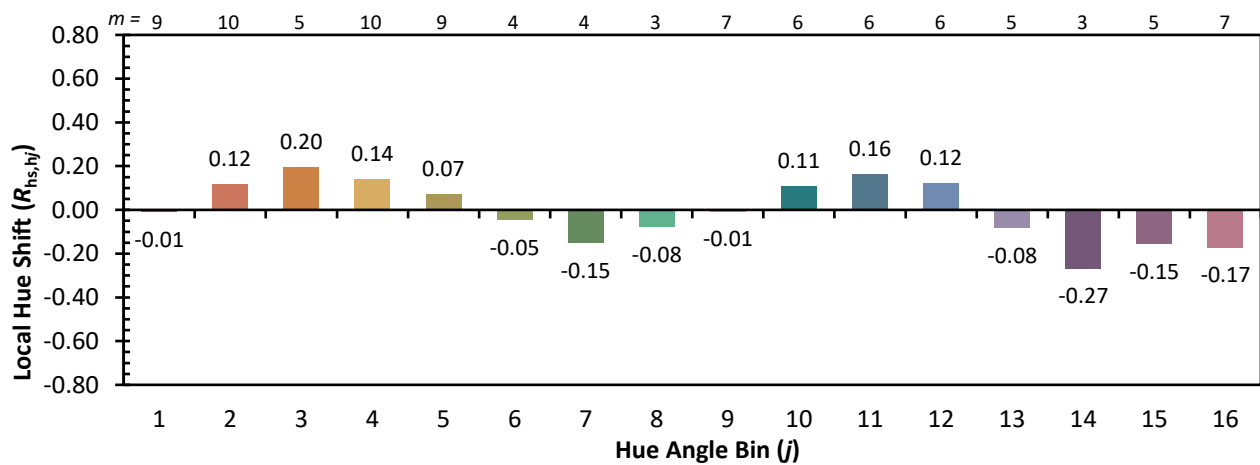
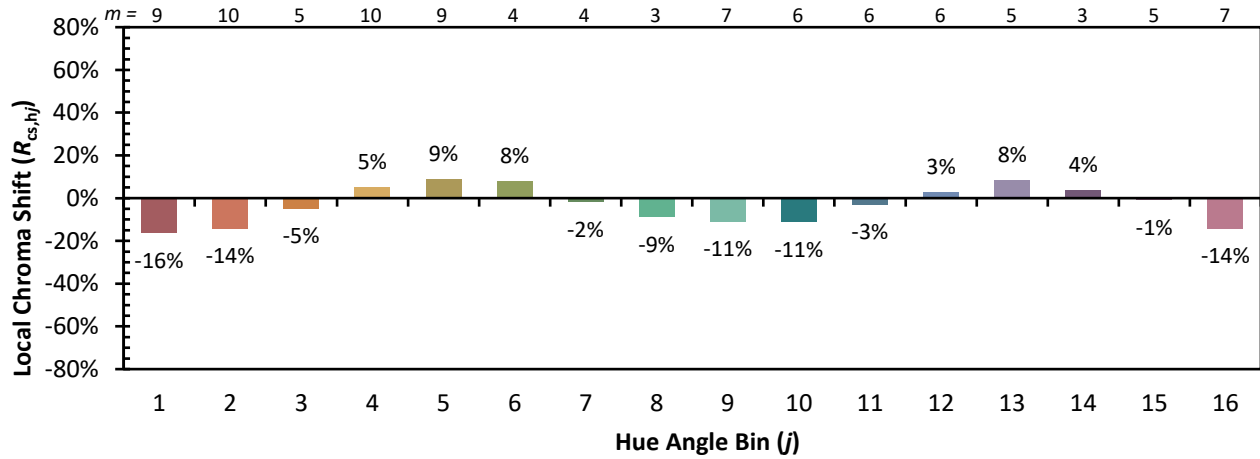
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CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 93
CES08 = 42	CES33 = 78	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 84	CES59 = 84	CES84 = 92
CES10 = 79	CES35 = 92	CES60 = 93	CES85 = 71
CES11 = 62	CES36 = 98	CES61 = 83	CES86 = 53
CES12 = 68	CES37 = 91	CES62 = 96	CES87 = 78
CES13 = 45	CES38 = 88	CES63 = 78	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 69	CES89 = 63
CES15 = 72	CES40 = 92	CES65 = 68	CES90 = 78
CES16 = 49	CES41 = 90	CES66 = 67	CES91 = 88
CES17 = 51	CES42 = 91	CES67 = 65	CES92 = 58
CES18 = 57	CES43 = 79	CES68 = 72	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 68	CES45 = 83	CES70 = 68	CES95 = 69
CES21 = 88	CES46 = 78	CES71 = 69	CES96 = 77
CES22 = 81	CES47 = 82	CES72 = 88	CES97 = 79
CES23 = 92	CES48 = 69	CES73 = 62	CES98 = 74
CES24 = 92	CES49 = 77	CES74 = 88	CES99 = 65
CES25 = 74	CES50 = 85	CES75 = 73	



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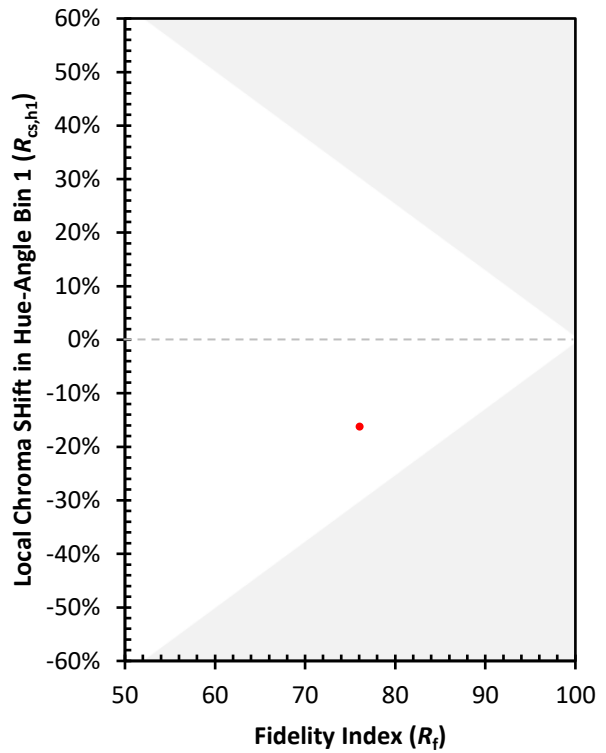
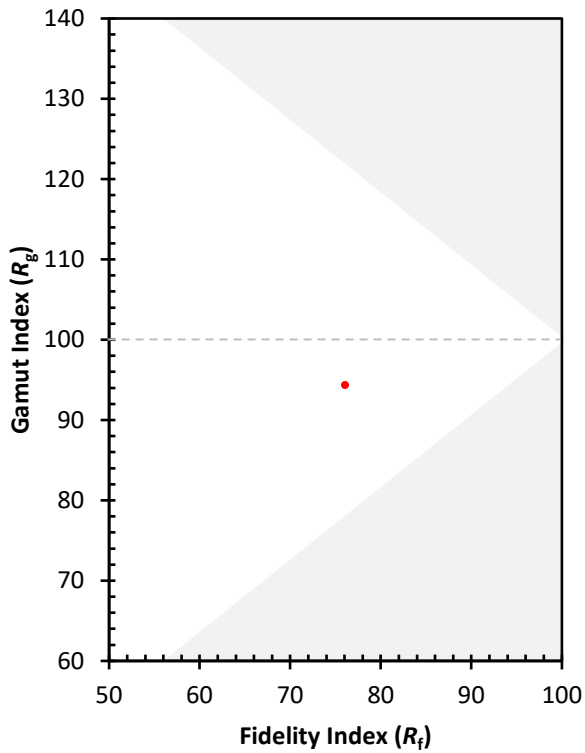
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)