

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: P856279

Luminaire Tested: **FFX-CLB-30-750-U-PG**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856279  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-30-750-U-PG  
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE  
Light Source: (6) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

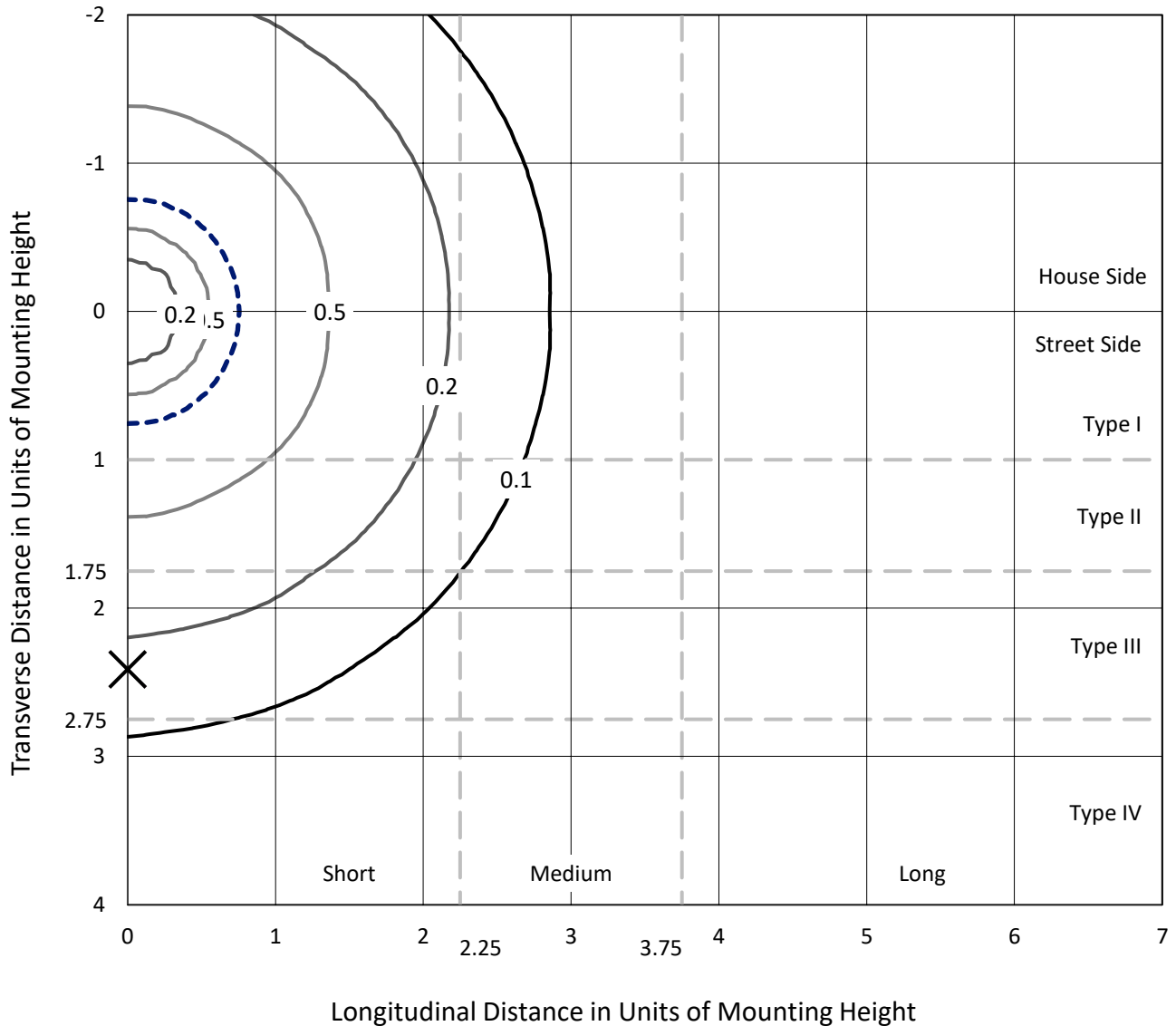
Lumens per Lamp: N/A  
Luminaire Lumens: 5013.3 lumens  
Efficiency: N/A  
Efficacy: 164.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')  
IES Classification: Type V - Short  
BUG Rating: B2 - U5 - G3  
  
Input Watts (W): 30.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 10.6%%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P856279  
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### Iso-Footcandle Lines of Horizontal Illumination

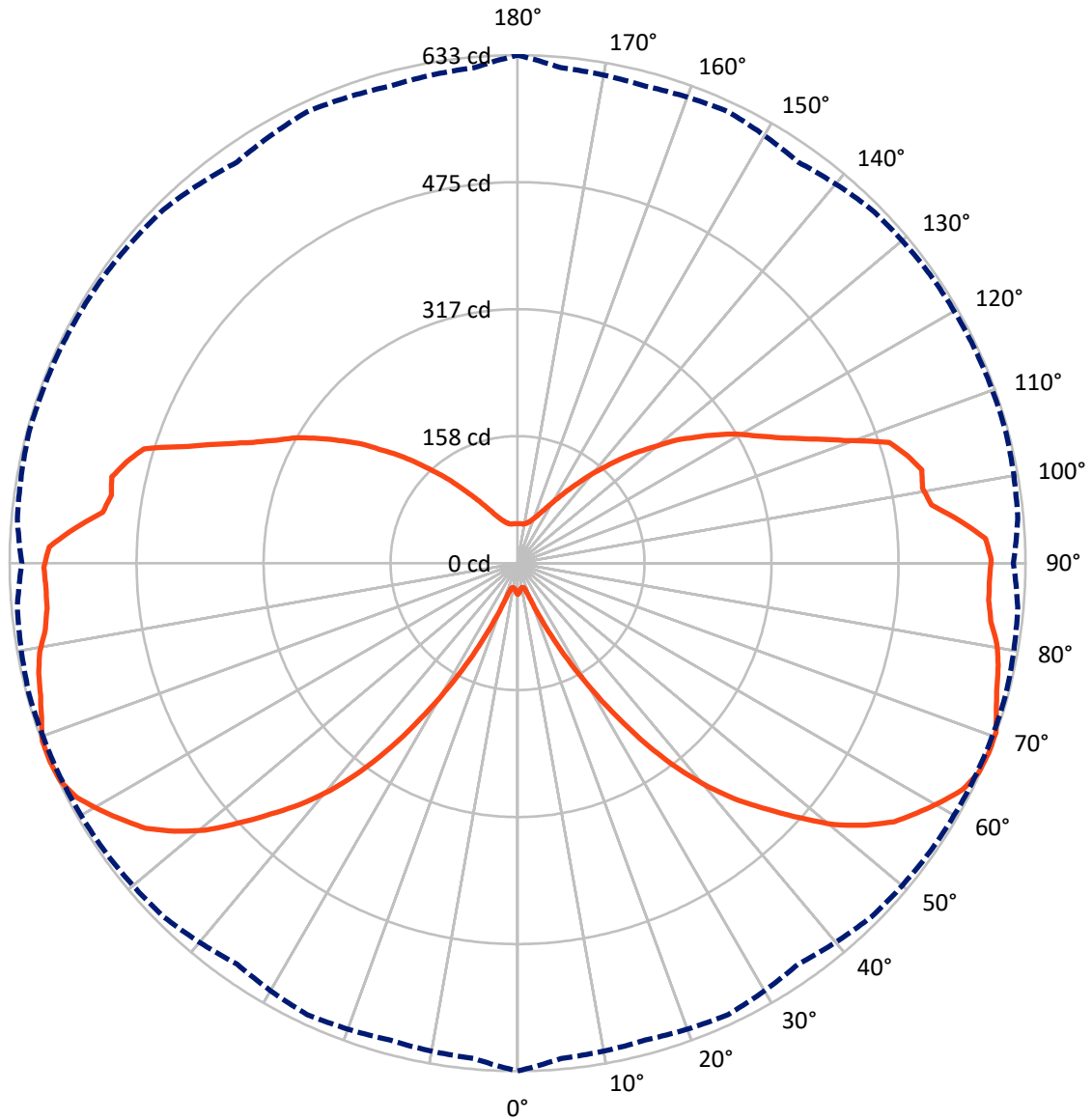
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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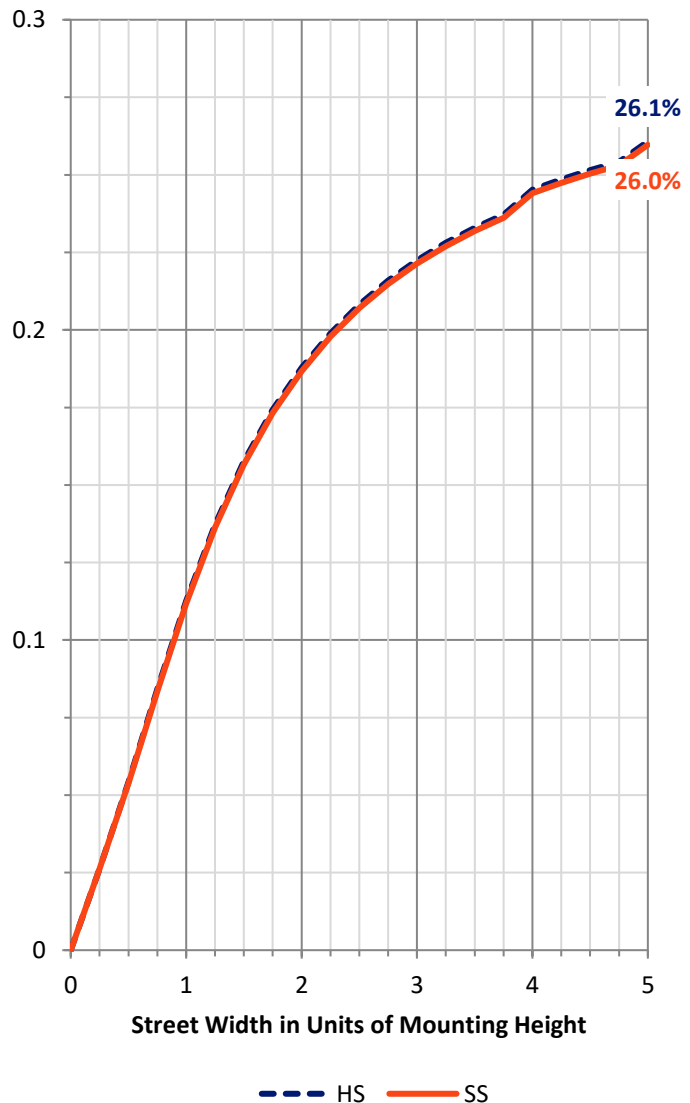
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1495.6	1011.1	2506.6
	% Fixture	29.8	20.2	50.0
<b>Street Side</b>	Lumens	1495.6	1011.1	2506.6
	% Fixture	29.8	20.2	50.0
<b>Total</b>	Lumens	2991.2	2022.1	5013.3
	% Fixture	59.7	40.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	10.7	0.2
20°-30°	53.5	1.1
30°-40°	175.9	3.5
40°-50°	340.2	6.8
50°-60°	503.5	10.0
60°-70°	612.1	12.2
70°-80°	646.2	12.9
80°-90°	645.7	12.9
90°-100°	604.0	12.0
100°-110°	537.4	10.7
110°-120°	367.6	7.3
120°-130°	246.9	4.9
130°-140°	143.4	2.9
140°-150°	70.6	1.4
150°-160°	32.6	0.7
160°-170°	15.1	0.3
170°-180°	4.7	0.1
0°-90°	2991.2	59.7
0°-180°	5013.3	100.0



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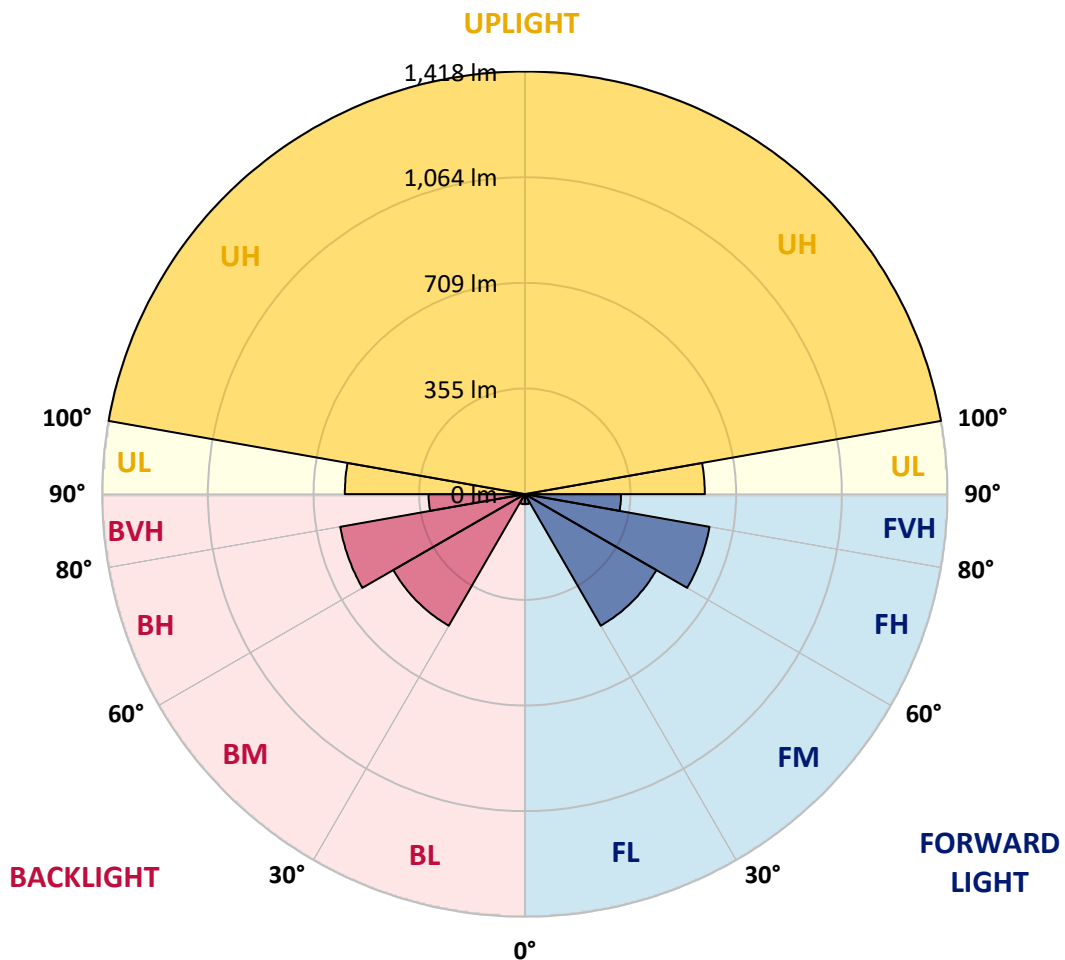
CATALOG NUMBER: FFX-CLB-30-750-U-PG

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	33.7	0.7			
FM (30°-60°)	509.8	10.2			
FH (60°-80°)	629.2	12.5			G0/660
FVH (80°-90°)	322.9	6.4			G3/500
BL (0°-30°)	33.7	0.7	B0/110		
BM (30°-60°)	509.8	10.2	B1/1000		
BH (60°-80°)	629.2	12.5	B2/1000		G0/660
BVH (80°-90°)	322.9	6.4			G3/500
UL (90°-100°)	604.0	12.0		U4/1000	
UH (100°-180°)	1418.1	28.3		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°	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
2.5°	37.3	37.0	36.7	36.4	36.7	37.0	37.6	37.9	37.9	37.9	37.9
5°	33.8	34.2	34.5	34.8	34.8	34.8	34.8	35.1	35.4	35.4	35.4
7.5°	31.9	31.9	32.3	33.2	33.5	33.2	33.2	33.5	32.6	31.6	31.3
10°	31.0	31.0	31.3	31.6	31.9	32.6	32.9	32.9	32.9	32.9	32.6
12.5°	31.3	31.0	31.3	31.6	32.3	32.6	31.9	31.9	32.6	33.2	33.5
15°	32.9	32.6	32.6	33.2	33.5	33.5	32.9	32.9	33.2	33.8	33.8
17.5°	39.8	39.2	38.9	39.2	38.9	39.2	38.9	39.5	39.5	39.2	38.9
20°	54.4	53.8	52.8	52.5	52.8	53.8	54.1	55.0	54.1	53.8	52.5
22.5°	77.2	76.2	75.6	75.6	76.5	77.2	76.8	78.1	77.5	77.2	75.9
25°	106.3	105.6	105.9	107.5	109.1	108.2	105.6	107.5	107.5	107.2	106.9
27.5°	142.6	140.4	141.4	145.5	146.7	144.2	141.4	143.6	144.5	144.8	144.8
30°	184.0	182.5	182.2	186.6	188.2	185.9	184.0	186.6	186.6	187.5	187.5
32.5°	229.0	228.0	226.4	229.0	231.5	230.9	230.9	232.7	232.1	233.1	233.4
35°	278.3	276.4	273.2	273.5	276.4	276.7	278.9	280.2	279.6	279.2	279.2
37.5°	324.8	322.2	319.4	317.8	321.3	321.0	326.0	326.0	324.8	325.1	325.1
40°	366.8	365.3	363.0	358.6	365.3	364.0	370.0	370.0	366.5	367.5	366.8
42.5°	404.5	404.5	401.9	395.3	402.3	401.0	408.9	408.9	404.1	403.8	402.9
45°	438.3	439.9	438.6	432.6	435.1	436.1	443.7	442.1	438.3	438.3	436.7
47.5°	474.7	476.2	471.8	465.5	468.3	469.9	476.9	476.2	474.0	471.2	471.2
50°	512.6	512.9	504.1	496.5	499.0	507.2	512.3	513.6	508.8	502.2	501.9
52.5°	542.7	544.6	536.0	527.8	529.7	539.2	544.9	545.2	539.2	529.7	532.5
55°	569.2	571.1	562.6	555.3	559.1	564.2	570.8	567.0	567.3	557.2	561.9
57.5°	587.2	593.6	579.3	577.8	581.2	587.2	590.1	589.1	591.0	581.6	583.1
60°	605.3	608.1	596.1	598.3	594.2	605.0	607.2	609.4	604.3	597.7	597.7
62.5°	622.3	615.4	606.9	612.2	601.2	614.8	617.3	619.8	614.4	608.1	609.4
65°	631.2	618.6	611.3	617.9	607.2	619.5	623.6	624.6	623.6	617.6	614.8
67.5°	633.1	619.8	615.4	620.8	610.0	623.6	627.4	629.3	630.3	625.8	617.9
70°	632.5	618.2	614.4	619.5	612.5	625.2	625.5	628.4	629.6	631.5	622.7
72.5°	623.9	611.6	610.6	615.1	608.8	617.0	617.3	620.8	618.9	624.9	620.5
75°	617.0	608.8	610.3	609.4	603.1	607.8	609.1	613.2	606.2	611.9	615.7
77.5°	612.5	608.1	611.9	606.9	600.2	603.4	605.3	610.0	599.6	604.3	615.4
80°	605.6	604.3	609.1	601.5	595.8	598.6	601.8	605.9	594.5	597.7	613.5
82.5°	594.2	595.2	599.6	590.7	586.9	590.1	593.9	600.2	588.5	590.4	607.2
85°	589.1	593.3	595.5	586.6	582.2	584.1	588.2	594.8	582.5	585.3	602.4
87.5°	588.5	593.6	595.2	587.6	583.8	586.6	588.5	598.0	584.7	588.2	605.6
90°	590.4	592.3	593.3	586.6	583.5	587.9	588.2	599.9	586.6	587.6	603.1
92.5°	584.1	584.4	586.3	580.3	580.0	583.1	582.5	592.3	577.8	575.5	588.8
95°	553.4	550.9	555.0	551.8	558.5	563.2	568.6	580.9	573.6	575.5	586.9
97.5°	520.8	521.5	522.7	517.7	516.7	518.6	520.8	527.2	524.9	526.8	537.6
100°	513.2	515.5	515.1	512.6	502.2	500.0	495.2	488.6	479.7	481.0	482.6
102.5°	517.0	523.1	524.0	527.5	527.5	525.9	529.4	526.5	528.1	537.3	532.2
105°	503.4	510.4	514.8	518.6	525.9	531.9	548.0	557.8	565.7	576.8	575.2
107.5°	487.0	490.5	493.6	493.6	491.7	490.8	499.7	501.2	499.0	501.9	502.2
110°	435.8	435.5	438.6	437.4	438.3	433.2	435.8	444.3	442.4	448.1	449.1



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 CATALOG NUMBER: FFX-CLB-30-750-U-PG

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	395.9	395.9	398.1	395.0	395.3	391.2	392.8	398.5	398.8	403.5	406.0
115°	362.4	361.8	364.9	362.4	359.6	358.6	360.2	363.7	364.6	367.8	372.8
117.5°	337.4	334.3	336.8	337.1	338.4	335.8	339.6	341.8	343.1	345.6	349.8
120°	316.9	313.7	314.7	317.8	321.6	316.2	320.3	322.2	323.2	324.1	326.0
122.5°	293.5	291.3	290.3	296.6	298.8	294.1	296.3	299.2	300.7	302.3	303.9
125°	269.7	267.9	266.9	272.6	274.8	271.0	274.2	278.3	277.7	281.1	278.0
127.5°	248.2	247.6	246.3	249.2	250.8	250.5	253.3	258.4	256.1	259.3	255.8
130°	222.6	225.2	223.3	226.7	227.1	229.6	230.5	235.3	233.1	233.7	231.5
132.5°	201.8	202.7	201.8	203.0	204.0	204.0	206.5	211.6	208.1	207.8	205.9
135°	180.6	180.9	179.6	181.5	182.2	180.6	183.1	186.9	185.0	184.0	184.0
137.5°	159.7	159.4	159.7	160.3	161.0	160.6	161.9	164.8	164.1	162.9	164.4
140°	142.0	141.0	141.4	141.7	141.4	141.4	142.6	145.2	145.2	143.6	145.2
142.5°	124.3	124.0	124.0	124.0	124.0	124.6	125.9	126.5	127.1	125.9	125.5
145°	109.4	109.1	108.8	108.8	108.8	109.1	110.4	110.0	111.3	110.0	109.1
147.5°	96.1	96.5	95.8	95.5	95.2	96.1	96.5	97.1	97.7	97.1	96.1
150°	85.4	85.1	85.1	84.4	84.4	85.4	85.1	85.7	86.3	86.0	85.7
152.5°	75.9	75.9	75.9	75.3	75.6	76.2	76.2	76.2	76.8	76.8	76.5
155°	68.3	68.3	68.3	68.0	68.0	68.6	68.6	68.6	68.9	68.9	68.9
157.5°	62.6	62.6	62.3	62.3	62.3	62.6	62.3	62.3	62.6	62.6	62.6
160°	58.2	58.2	57.9	57.9	57.6	57.9	57.6	57.6	57.9	57.9	57.9
162.5°	54.7	54.7	54.4	54.4	54.4	54.4	54.4	54.1	54.1	54.4	54.1
165°	52.2	52.2	52.2	52.2	52.2	52.2	52.2	51.9	51.9	51.9	51.9
167.5°	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
170°	49.6	49.6	49.6	50.0	50.0	50.0	49.6	49.6	50.0	50.0	49.6
172.5°	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
175°	49.3	49.3	49.3	49.3	49.3	49.3	49.0	49.3	49.3	49.3	49.3
177.5°	49.3	49.0	49.0	49.3	49.3	49.0	49.0	49.0	49.0	49.0	49.0
180°	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3



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: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

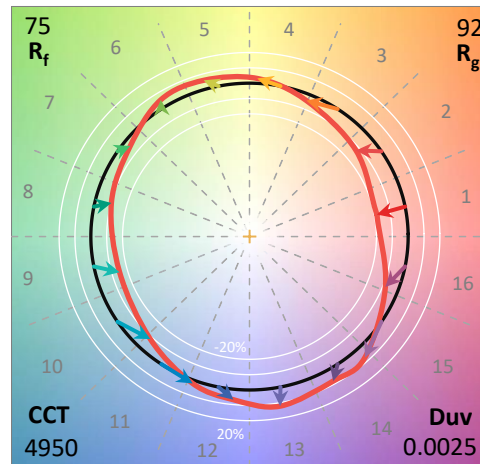
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2406-133-5  
 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-100-750-U-FR-T5**  
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

**Spectral Parameters**

CCT (K): 4950  
 CIE u': 0.2102  
 CIE v': 0.4882  
 Duv: 0.0025  
 CIE x: 0.3471  
 CIE y: 0.3583  
 CIE z: 0.2946  
 Peak Wavelength (nm): 452  
 Dominant Wavelength (nm): 571  
 Purity: 11.64963  
 Rf: 74.8  
 Rg: 92.4

CRI (Ra):	73.0		
R1:	69.1	R9:	-35.4
R2:	80.1	R10:	51.9
R3:	87.3	R11:	66.1
R4:	70.6	R12:	40.1
R5:	69.4	R13:	71.5
R6:	71.2	R14:	93.0
R7:	82.5	R15:	62.2
R8:	53.6		



**Test Conditions**

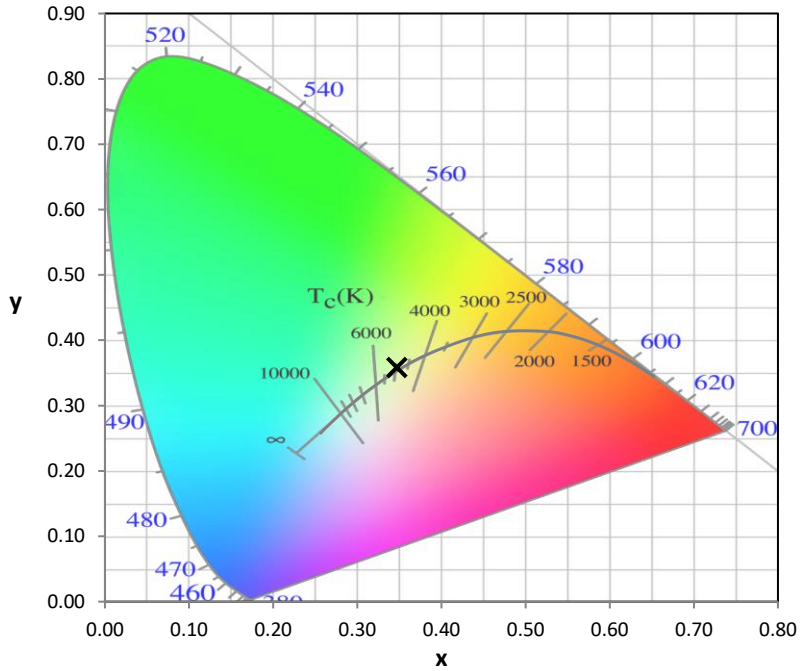
Stabilization Time: 0.803355M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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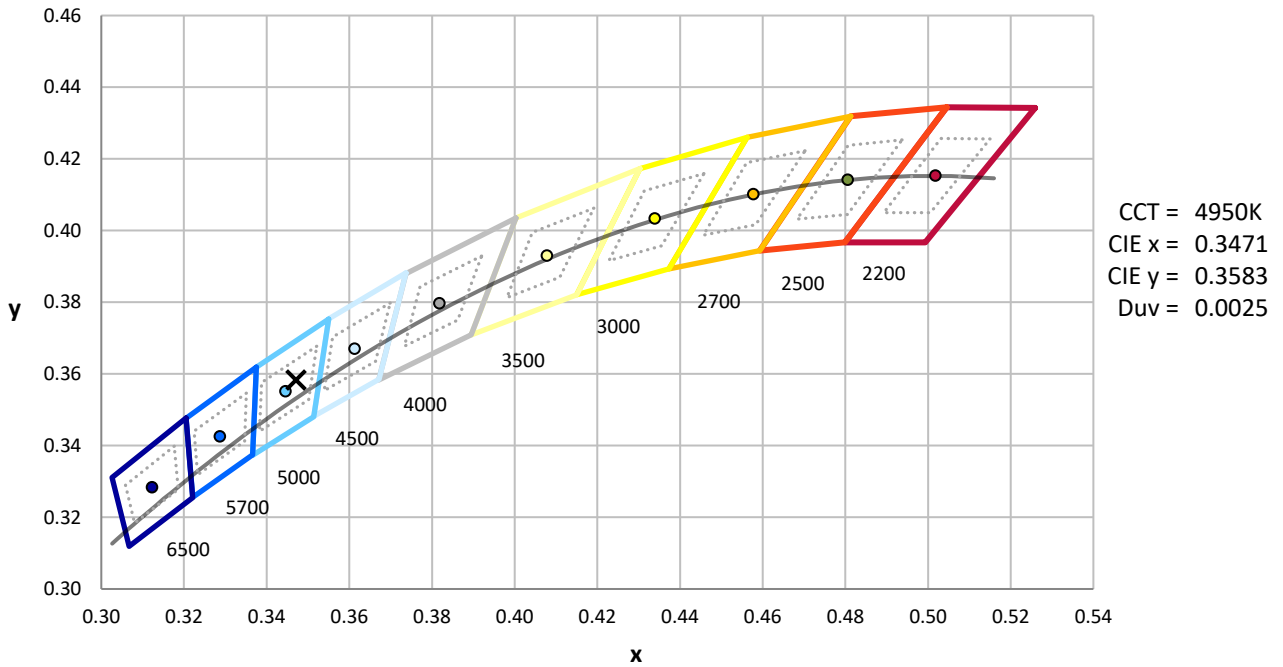
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



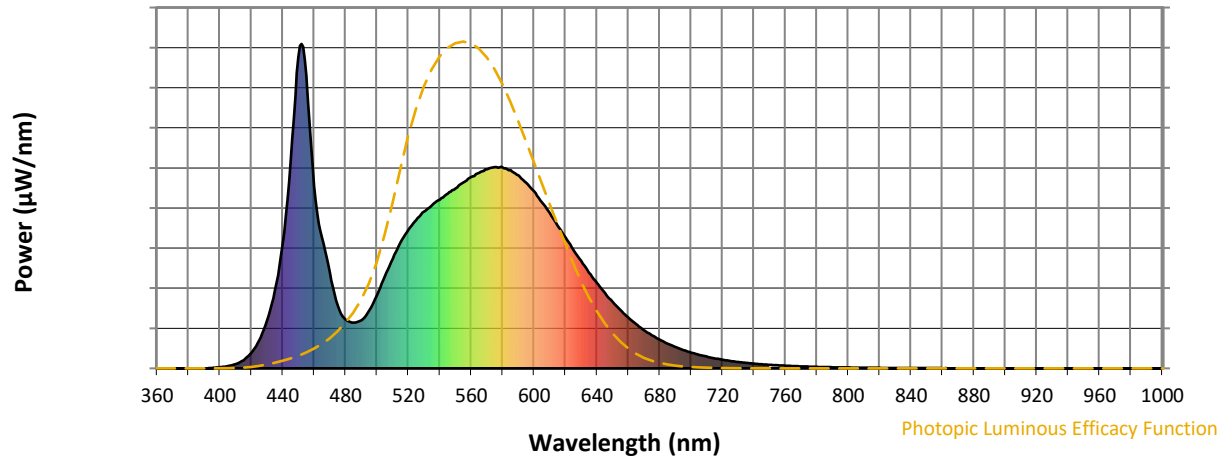
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

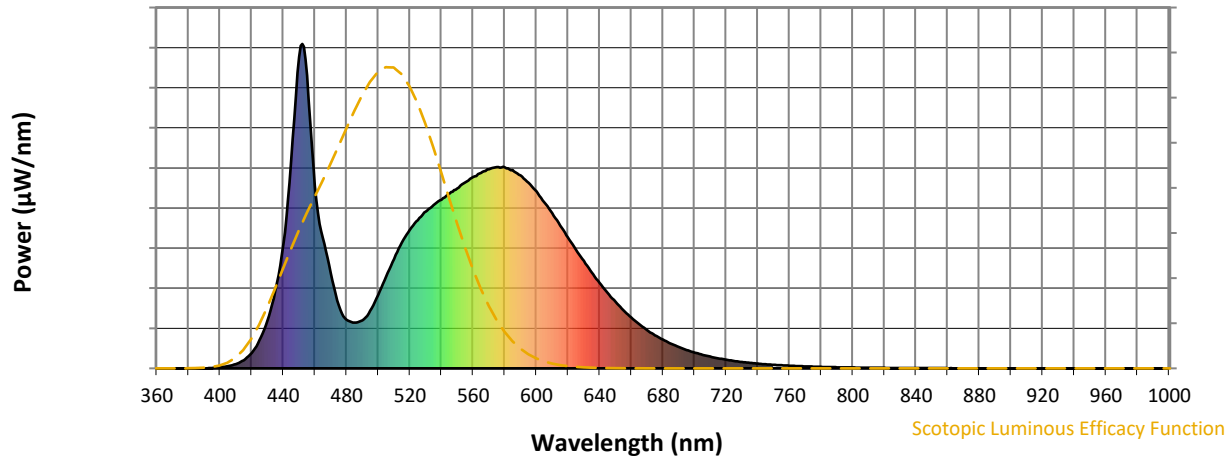


**Photopic Lumens: NR**

$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )
360	0	NR	490	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.8**

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 3.74**

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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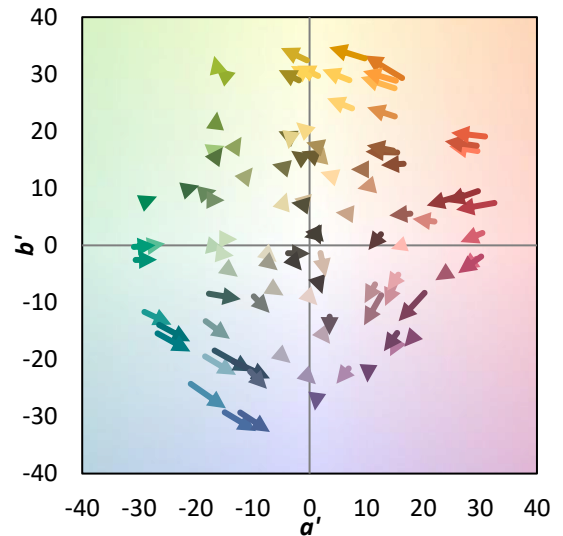
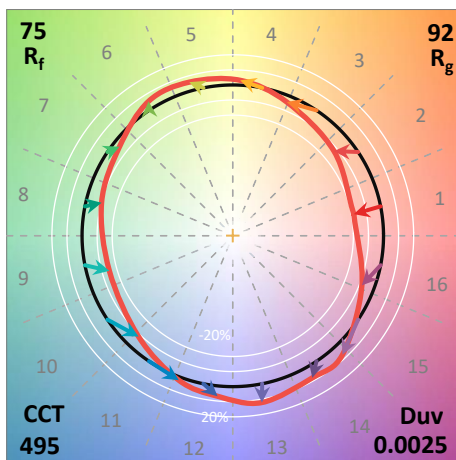
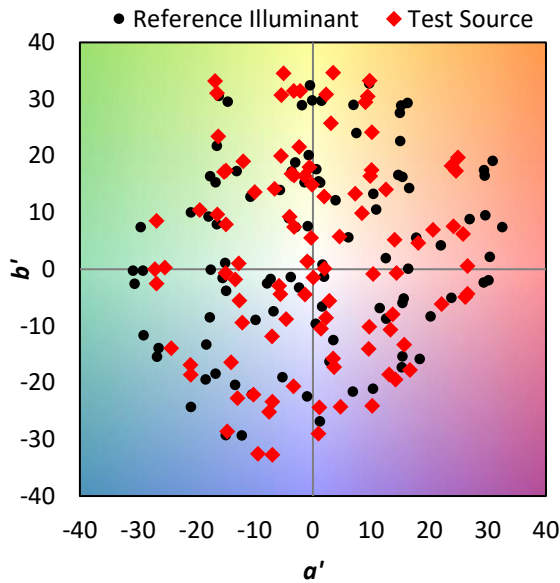
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**Summary**

$R_f = 74.8$   
 $R_g = 92.4$   
 CIE  $R_a = 73.0$   
 $R_9 = -35.4$



**Color Vector Graphics**



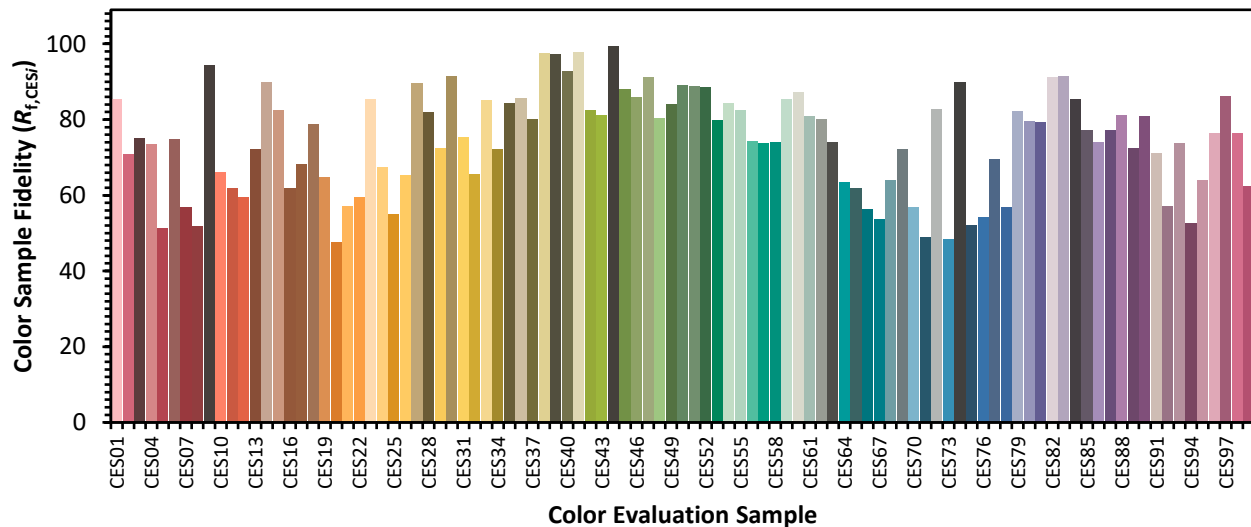


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

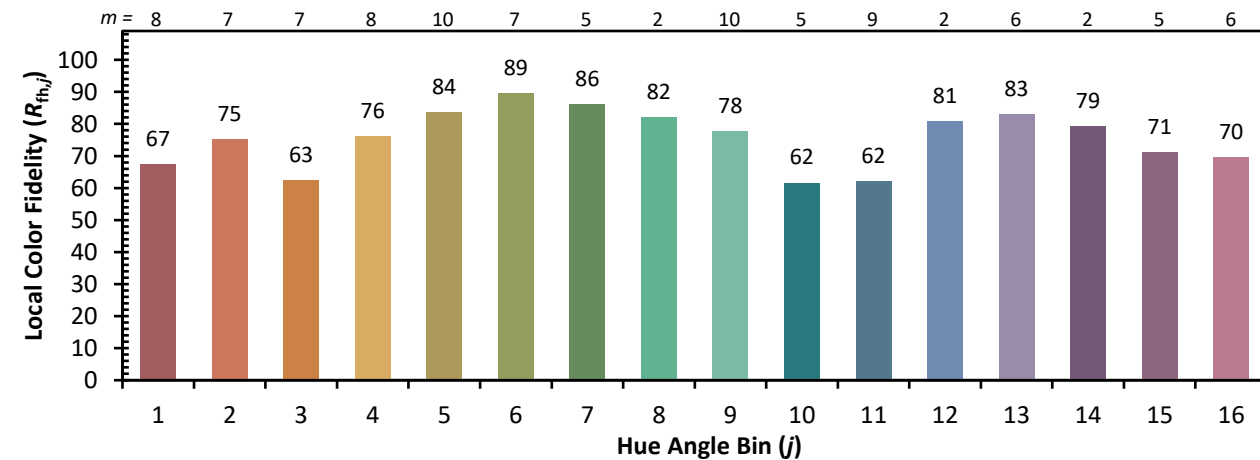
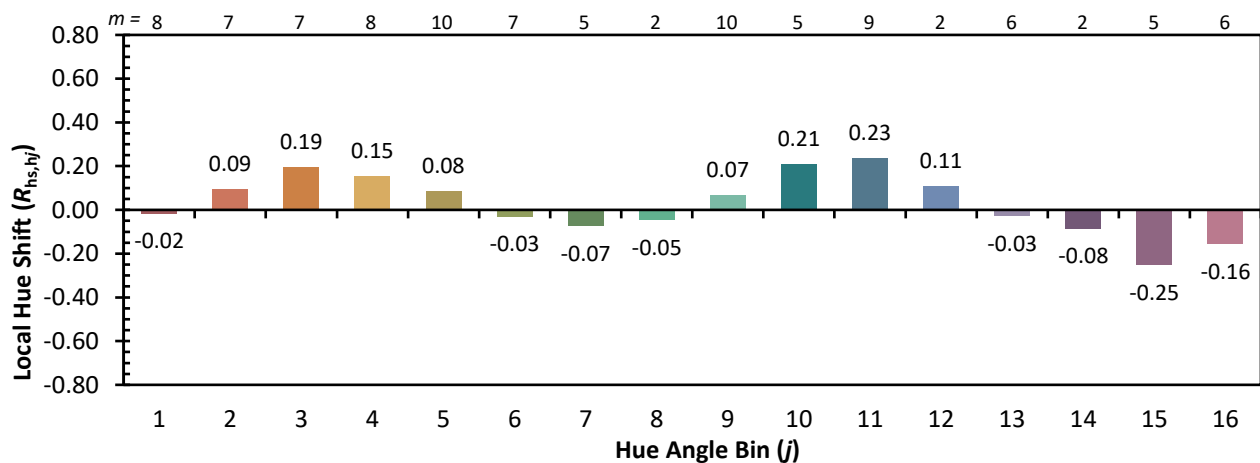
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CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	



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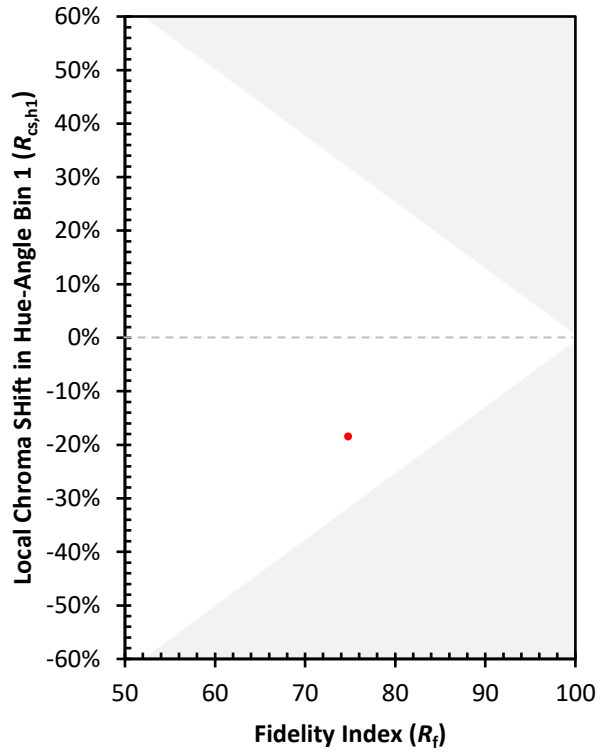
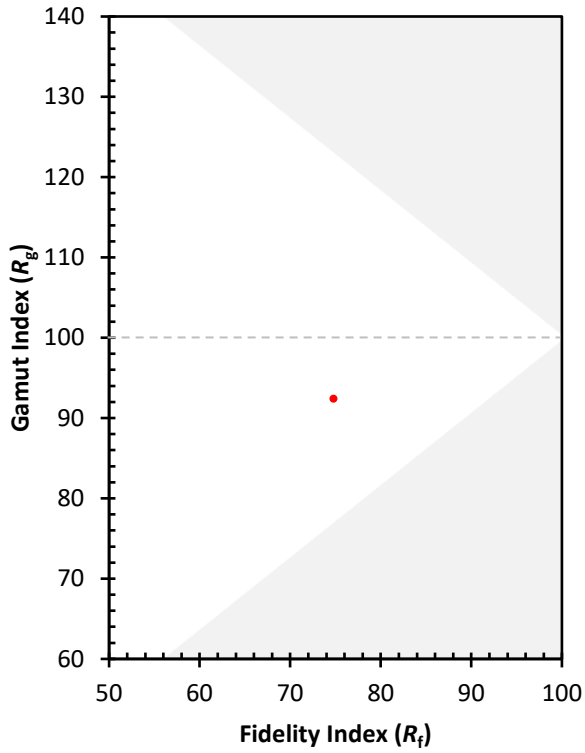
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)