

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: P856333

Luminaire Tested: **FFX-CLB-30-722-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856333
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-30-722-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

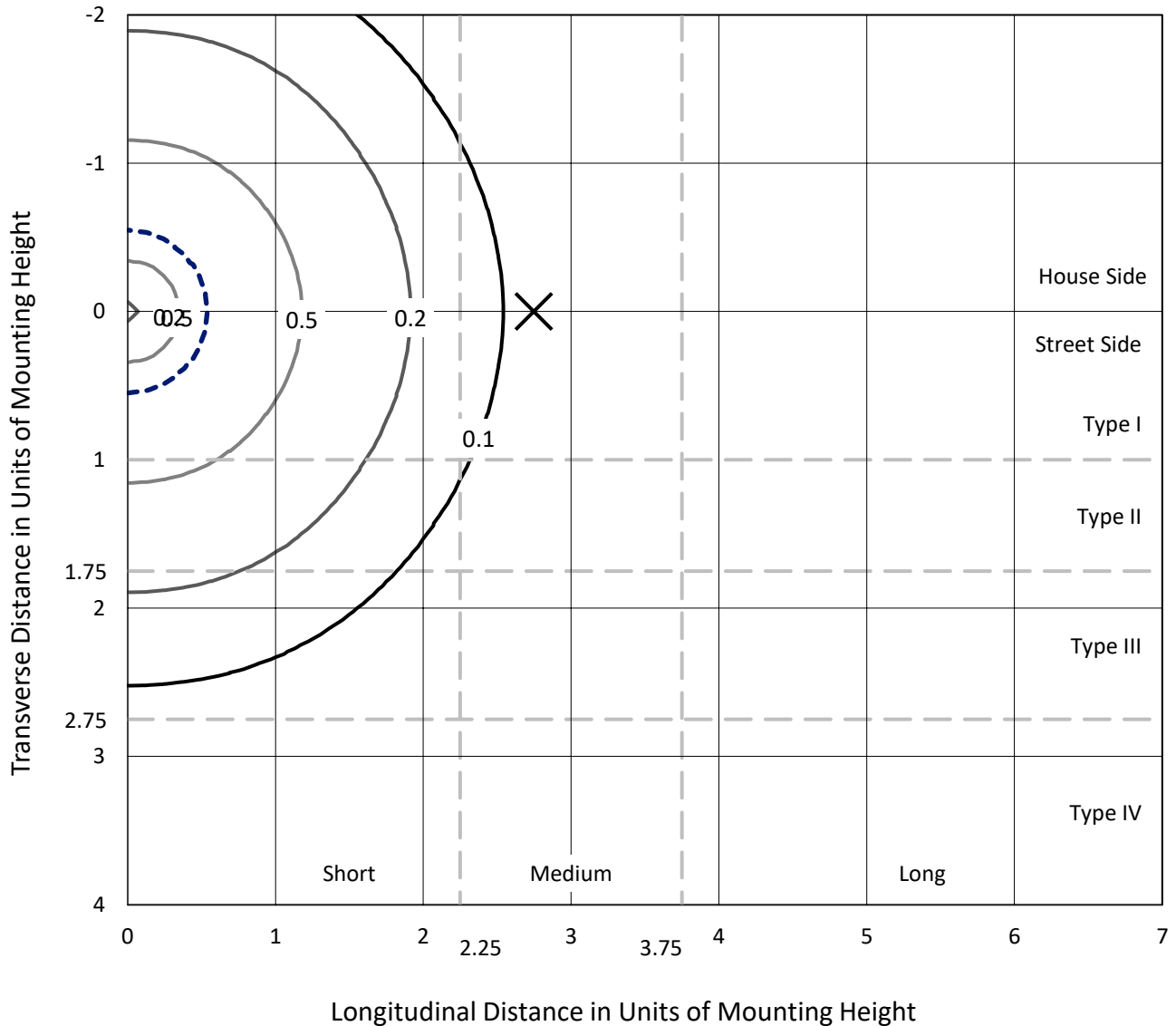
Lumens per Lamp: N/A
Luminaire Lumens: 4230.5 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B1 - U5 - G3

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

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Iso-Footcandle Lines of Horizontal Illumination

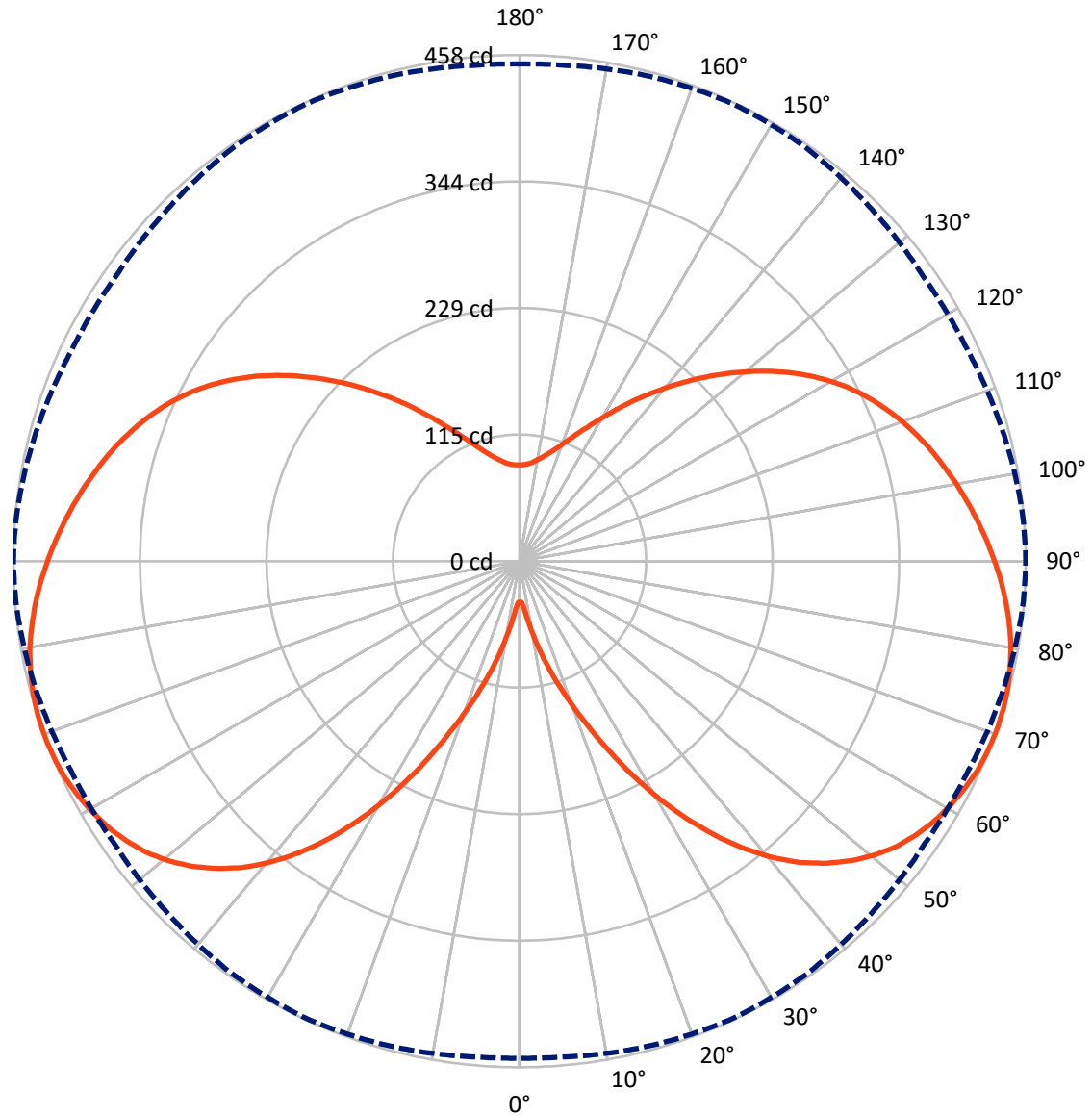
× Max cd
 - - - 1/2 Max cd



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 90-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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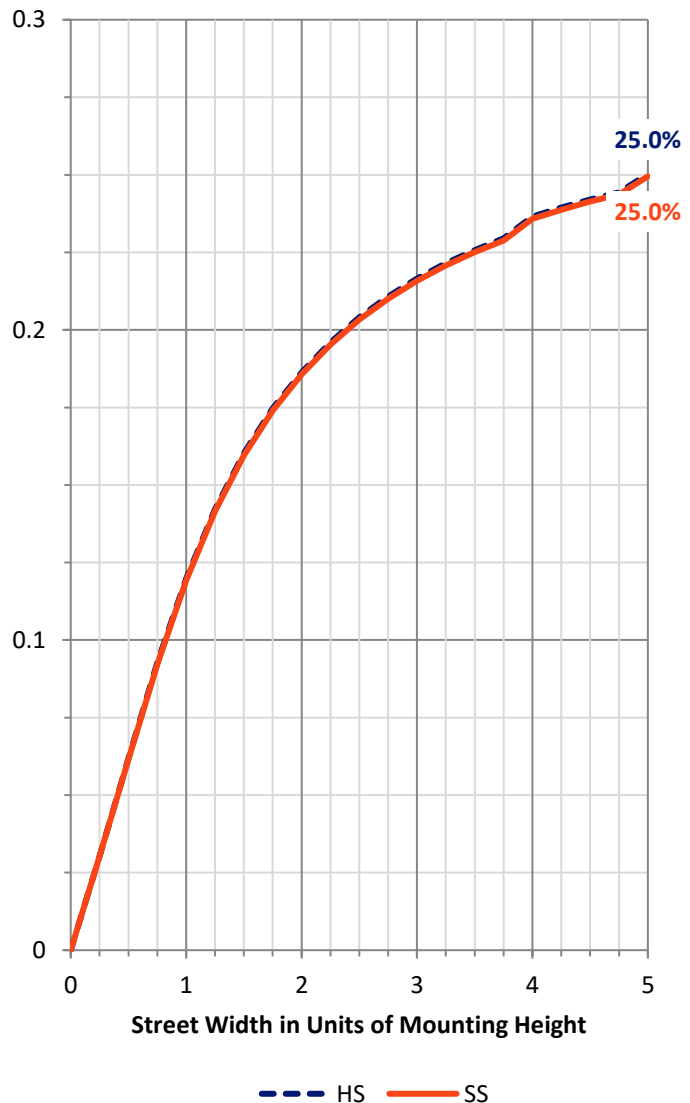
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1198.0	917.2	2115.2
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	1198.0	917.2	2115.2
	% Fixture	28.3	21.7	50.0
Total	Lumens	2396.1	1834.4	4230.5
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	30.3	0.7
20°-30°	90.4	2.1
30°-40°	189.0	4.5
40°-50°	296.6	7.0
50°-60°	384.9	9.1
60°-70°	445.6	10.5
70°-80°	477.0	11.3
80°-90°	477.4	11.3
90°-100°	450.2	10.6
100°-110°	402.8	9.5
110°-120°	338.7	8.0
120°-130°	259.8	6.1
130°-140°	177.8	4.2
140°-150°	108.5	2.6
150°-160°	59.3	1.4
160°-170°	28.7	0.7
170°-180°	8.6	0.2
0°-90°	2396.1	56.6
0°-180°	4230.5	100.0



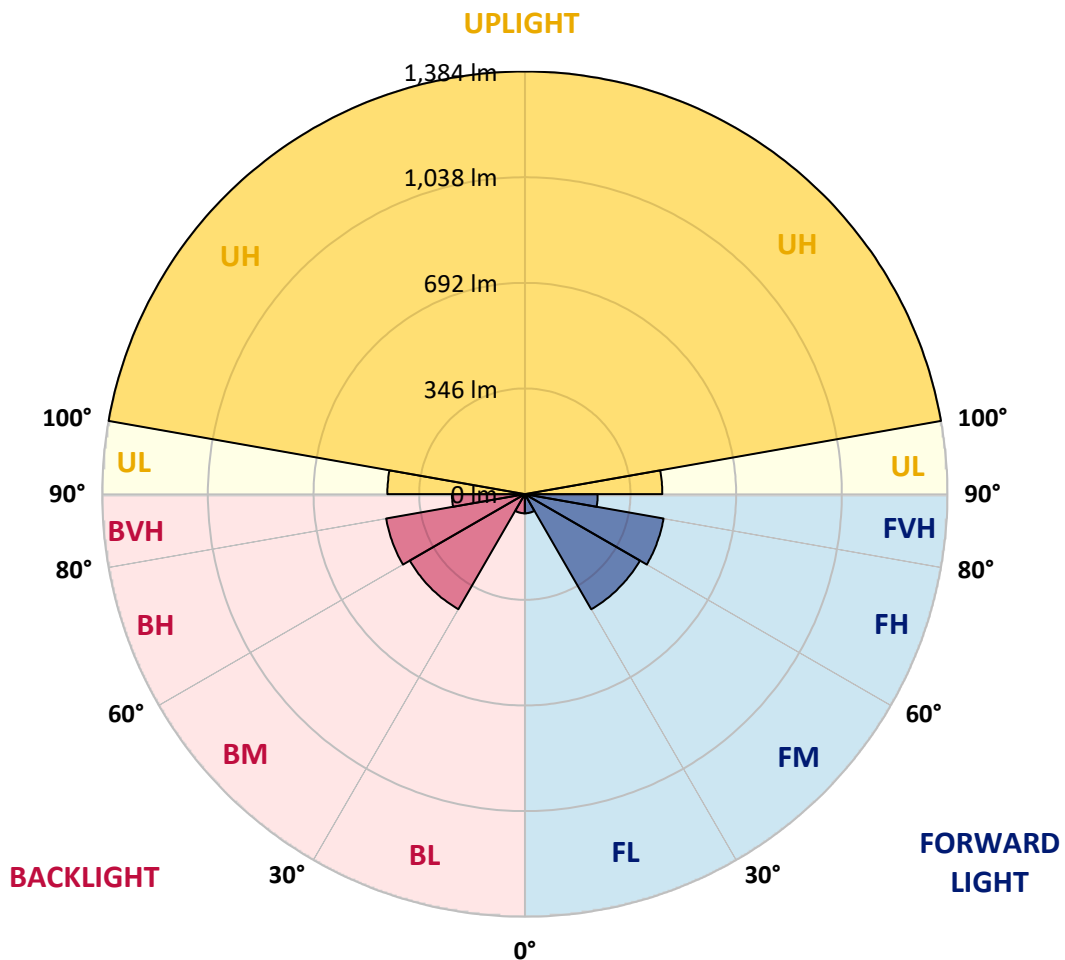
REPORT NUMBER: P856333
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	62.8	1.5			
FM (30°-60°)	435.2	10.3			
FH (60°-80°)	461.3	10.9			G0/660
FVH (80°-90°)	238.7	5.6			G3/500
BL (0°-30°)	62.8	1.5	B0/110		
BM (30°-60°)	435.2	10.3	B1/1000		
BH (60°-80°)	461.3	10.9	B1/500		G0/660
BVH (80°-90°)	238.7	5.6			G3/500
UL (90°-100°)	450.2	10.6		U3/500	
UH (100°-180°)	1384.2	32.7		U5	

BUG Rating: B1-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2.5°	38.8	38.8	38.5	38.5	38.2	38.0	38.0	38.0	37.7	37.7	37.4
5°	44.2	43.9	43.9	43.7	43.9	43.7	43.7	43.7	43.7	43.1	43.1
7.5°	54.8	54.5	54.5	54.2	54.8	54.2	54.2	54.5	54.5	54.2	54.2
10°	68.6	68.3	68.3	67.8	68.3	68.1	68.1	67.5	67.8	67.5	67.8
12.5°	85.1	84.3	84.3	84.0	84.6	84.3	84.0	83.5	84.0	83.8	83.8
15°	102.2	102.5	102.2	101.9	102.5	102.5	102.2	101.7	102.2	101.7	101.9
17.5°	121.2	121.2	121.2	120.4	121.2	121.5	121.2	120.6	120.9	121.2	121.2
20°	141.8	141.8	142.1	141.5	142.9	142.1	141.8	141.5	141.8	142.1	142.3
22.5°	164.6	164.6	164.8	164.6	165.4	165.4	165.1	165.1	165.4	165.9	165.9
25°	189.8	190.1	190.1	189.2	191.1	191.7	191.1	191.1	191.7	192.5	192.5
27.5°	215.8	216.9	216.4	216.4	218.8	219.1	218.8	219.1	219.9	220.7	221.0
30°	242.7	243.5	244.6	243.7	246.5	246.7	247.0	247.3	248.3	249.7	249.7
32.5°	269.5	270.3	270.9	270.9	274.4	274.1	273.8	274.9	276.5	277.1	277.9
35°	296.3	296.3	296.9	297.1	300.7	300.4	300.9	301.8	303.4	304.5	305.0
37.5°	320.5	319.9	321.3	321.8	324.5	324.8	325.1	326.4	328.3	329.7	330.2
40°	342.4	341.9	343.5	344.3	346.8	346.8	347.3	348.9	351.1	352.5	352.7
42.5°	361.9	361.7	363.3	364.4	366.8	366.6	366.3	368.5	370.9	372.5	373.1
45°	378.8	378.5	380.7	382.0	383.9	383.4	383.4	385.3	388.0	389.9	390.1
47.5°	393.1	393.1	395.6	397.2	398.8	398.0	397.5	399.4	402.1	404.8	405.1
50°	405.9	405.6	408.3	410.2	411.6	410.5	409.7	411.6	414.5	417.3	417.8
52.5°	415.9	416.4	419.2	421.6	422.7	421.1	419.7	421.6	424.8	427.8	428.4
55°	424.6	424.8	427.8	430.8	431.4	429.2	427.6	429.2	432.7	436.0	436.5
57.5°	431.4	431.9	435.4	438.1	438.4	436.0	434.1	435.4	439.2	442.5	443.3
60°	437.3	437.9	441.1	444.1	444.4	441.4	438.9	440.0	444.1	447.9	448.4
62.5°	441.9	442.7	446.3	449.0	449.0	445.5	442.5	443.6	447.9	452.0	452.5
65°	445.7	446.5	450.1	452.8	452.5	448.4	445.2	446.3	450.9	454.9	455.8
67.5°	448.4	449.0	452.8	455.5	454.4	450.1	446.8	447.6	452.5	456.6	457.4
70°	450.1	450.6	454.4	456.8	455.2	450.6	447.1	448.2	453.0	457.4	458.2
72.5°	450.9	451.7	455.2	457.4	455.5	450.3	446.5	447.9	452.8	457.4	457.9
75°	450.6	451.1	454.7	456.6	454.1	449.2	445.2	446.5	451.7	455.8	456.6
77.5°	449.2	449.8	453.0	454.7	451.7	446.8	443.0	444.4	449.2	453.3	454.1
80°	447.1	447.6	450.6	451.7	448.7	443.8	440.3	441.7	446.3	450.1	450.9
82.5°	443.6	444.4	447.1	447.6	444.4	440.0	436.5	437.9	442.2	445.7	446.3
85°	439.2	439.8	442.2	442.5	439.2	435.4	432.4	433.8	437.6	440.3	441.1
87.5°	434.3	434.3	436.8	436.8	433.3	429.7	427.6	428.6	432.2	434.3	435.2
90°	428.4	428.6	430.3	430.0	426.7	423.8	421.9	423.2	426.2	428.1	428.6
92.5°	421.9	422.1	423.5	423.0	419.7	417.3	415.6	417.3	420.0	421.3	421.9
95°	414.8	415.1	416.2	415.1	412.1	410.2	408.9	410.8	412.9	414.3	414.8
97.5°	407.5	407.8	408.6	407.5	404.2	402.6	402.1	403.7	405.9	407.0	407.5
100°	399.9	399.9	400.4	398.8	396.1	394.8	394.5	396.4	398.5	399.6	400.2
102.5°	391.5	391.8	391.8	390.1	387.4	386.6	386.6	388.8	391.0	391.8	392.3
105°	382.8	382.8	382.8	381.5	378.5	377.9	378.2	380.4	382.8	383.9	384.5
107.5°	373.3	373.6	373.1	371.7	369.3	368.7	369.3	372.3	374.4	375.5	376.0
110°	363.3	363.6	363.3	361.7	359.5	359.2	360.1	363.0	365.2	366.3	367.1



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 CATALOG NUMBER: FFX-CLB-30-722-U-VM8

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	352.7	353.0	352.7	351.4	349.2	349.2	350.3	353.3	355.7	356.5	357.3
115°	341.6	341.9	341.3	340.3	338.1	338.6	339.7	342.7	345.1	346.0	347.0
117.5°	329.7	330.0	329.7	328.3	326.4	327.0	328.6	331.6	333.8	334.6	335.6
120°	316.7	316.7	316.7	315.3	313.4	314.5	316.1	319.4	321.3	321.8	322.9
122.5°	303.4	302.8	302.8	302.0	299.9	301.2	302.8	306.1	308.0	308.3	309.1
125°	288.7	289.0	288.2	287.7	285.8	287.4	288.7	292.0	293.6	293.9	294.7
127.5°	273.0	273.8	273.0	272.2	270.9	272.5	274.1	277.1	278.4	278.7	279.3
130°	258.4	258.4	257.6	257.0	255.7	257.3	258.9	261.6	263.0	263.0	263.5
132.5°	243.7	242.9	242.7	242.1	240.5	242.4	243.5	246.2	247.3	247.0	247.5
135°	227.7	227.7	226.9	226.7	225.3	227.2	228.3	230.7	231.5	231.3	231.8
137.5°	212.8	212.8	212.3	211.7	210.9	212.6	213.6	215.5	216.4	215.5	216.4
140°	198.2	198.2	197.9	197.4	196.6	198.2	199.0	200.6	201.4	200.6	201.2
142.5°	184.6	184.1	183.8	183.5	182.5	184.1	184.6	186.3	186.5	186.0	186.8
145°	170.3	170.5	170.3	170.0	169.2	170.5	171.1	172.4	172.7	172.2	173.0
147.5°	158.3	157.5	157.8	157.5	156.7	158.1	158.3	159.1	159.7	159.1	159.7
150°	146.4	145.9	145.9	145.6	145.1	146.1	146.4	147.2	147.5	146.9	147.5
152.5°	135.8	135.6	135.6	135.3	134.7	135.6	135.8	136.4	136.6	136.1	136.4
155°	126.3	126.1	126.1	125.8	125.3	126.1	126.1	126.6	126.9	126.6	126.9
157.5°	117.9	117.7	117.7	117.7	117.1	117.7	117.7	118.2	118.2	117.9	118.2
160°	111.2	110.6	110.9	110.6	110.1	110.6	110.6	110.9	110.9	110.9	110.9
162.5°	104.9	104.9	104.9	104.7	104.4	104.7	104.7	104.9	104.9	104.9	104.7
165°	100.0	100.0	100.0	99.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8
167.5°	96.0	95.7	96.0	95.7	95.4	95.7	95.7	95.7	95.7	95.7	95.7
170°	92.5	92.5	92.5	92.5	92.2	92.5	92.5	92.5	92.5	92.5	92.5
172.5°	90.3	90.0	90.0	90.0	89.7	90.0	89.7	90.0	89.7	90.0	89.7
175°	88.4	88.4	88.4	88.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1
177.5°	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
180°	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0

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.

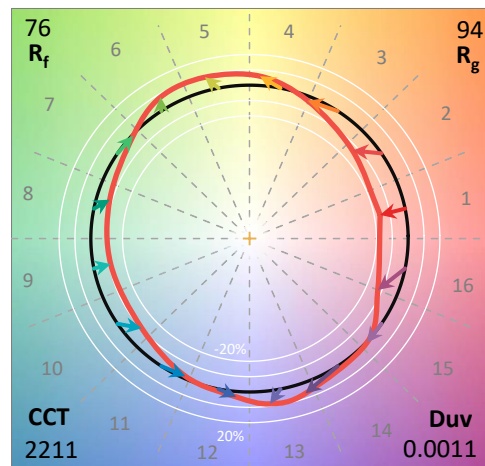
Test Information

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



Test Conditions

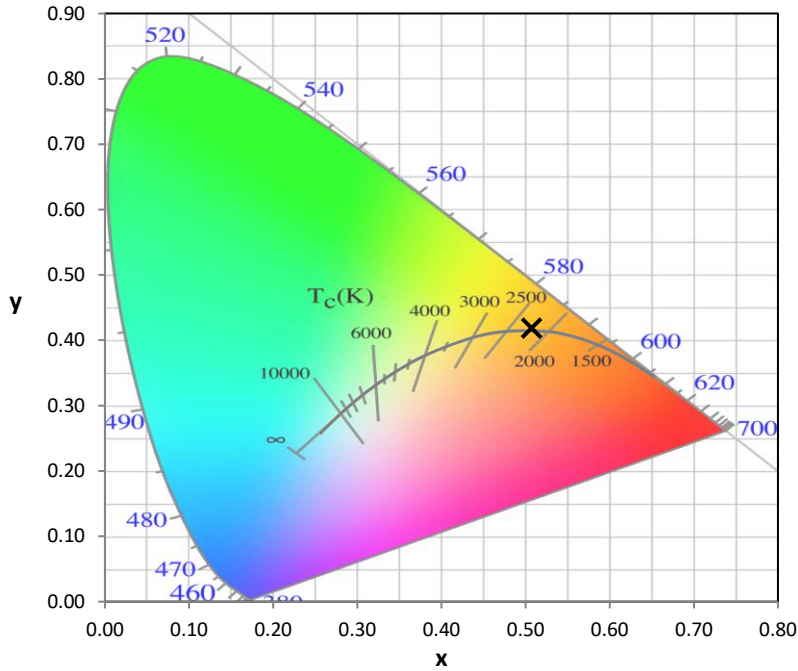
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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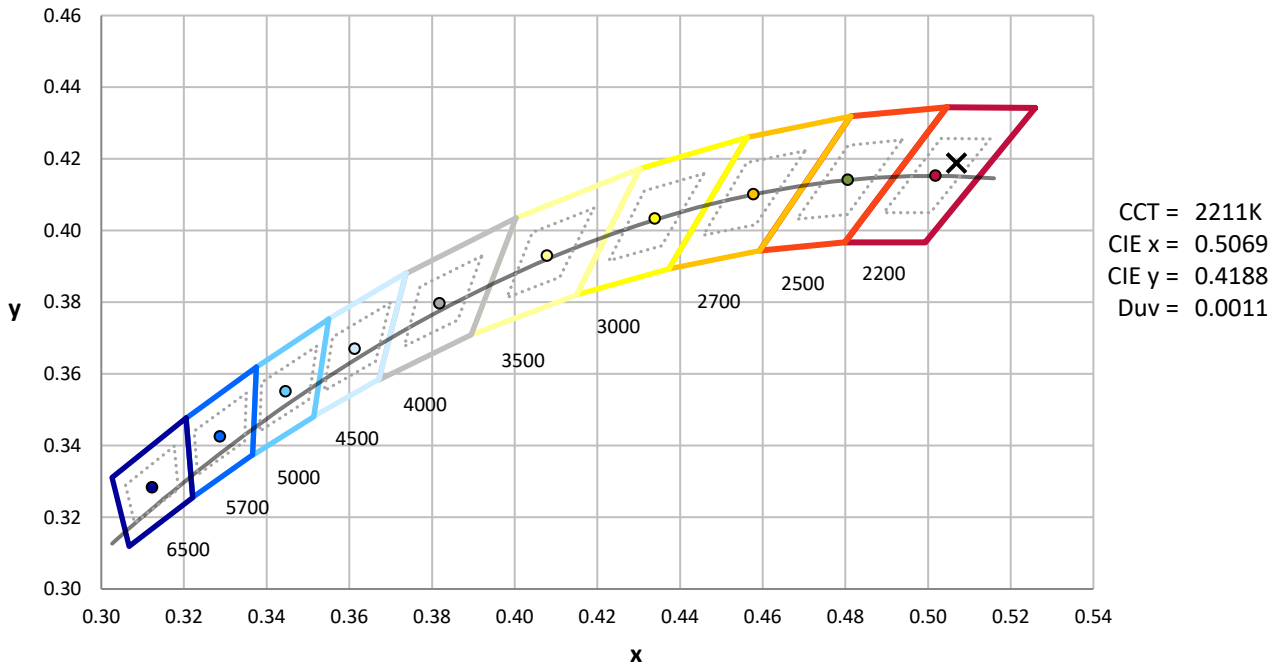
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

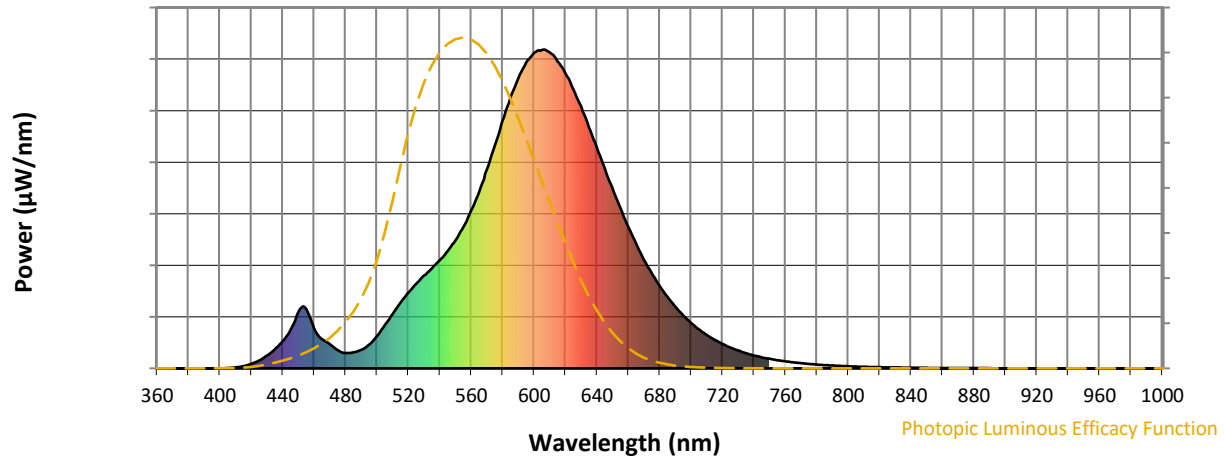


CCT = 2211K
CIE x = 0.5069
CIE y = 0.4188
Duv = 0.0011

Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

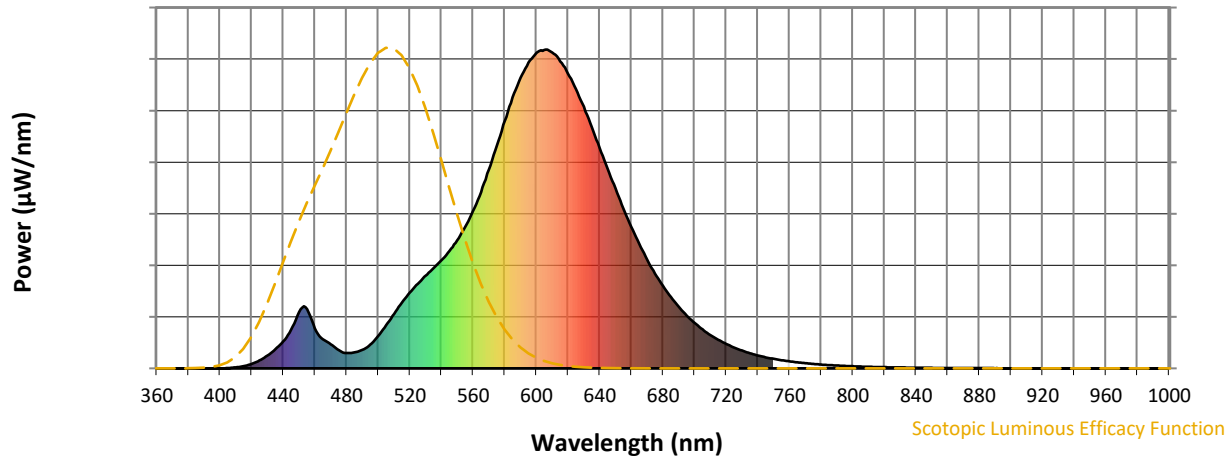


Photopic Lumens: NR

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	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



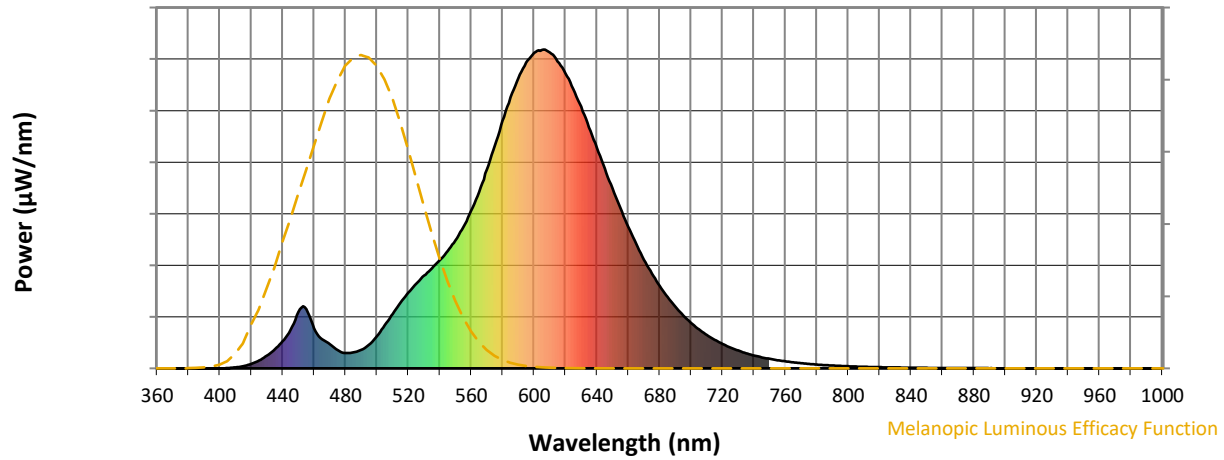
Scotopic Lumens: NR

S/P: 0.87

λ (nm)	Power W [^] /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	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

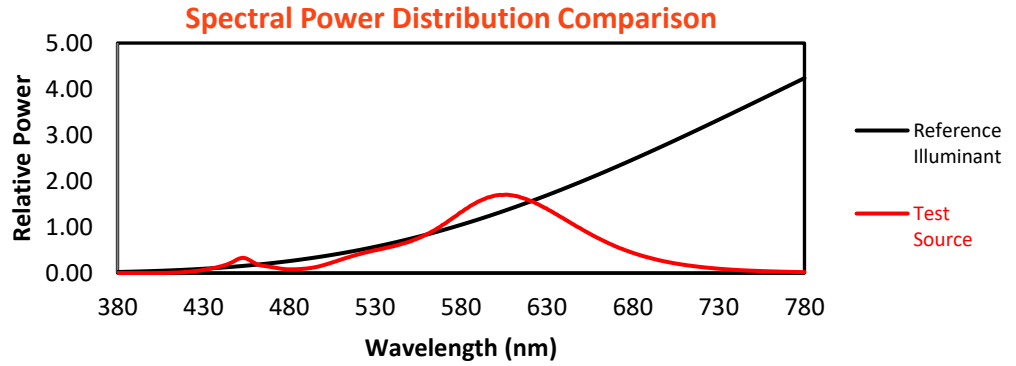
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	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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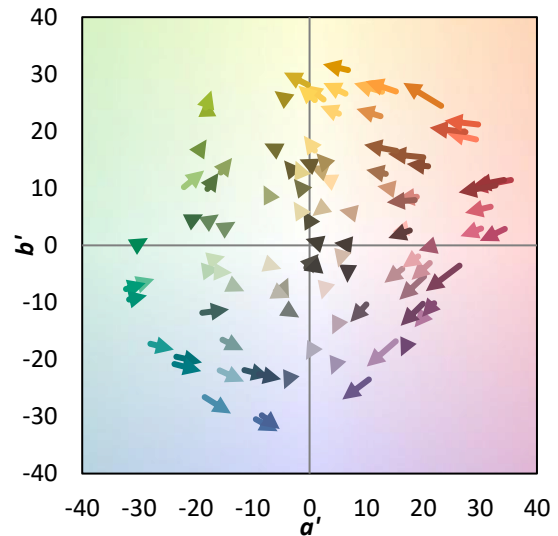
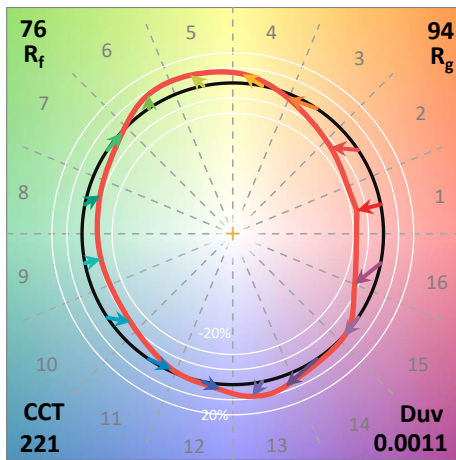
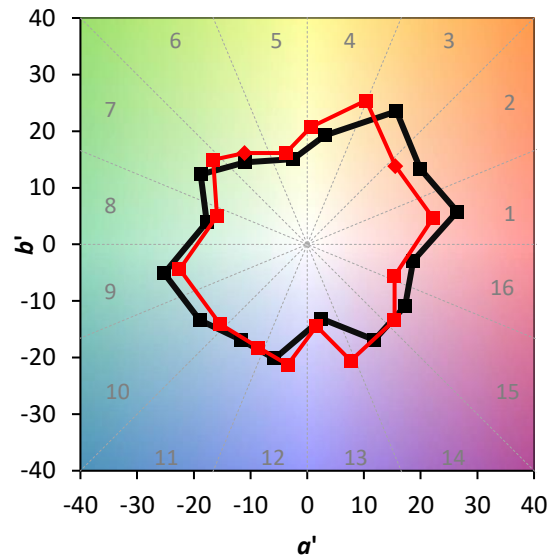
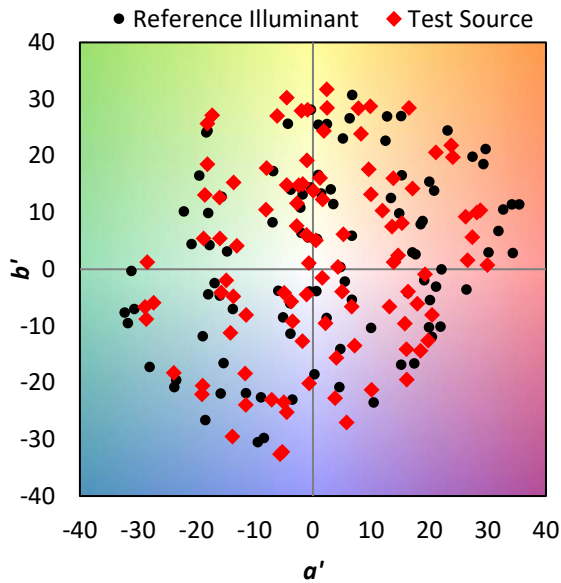
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Summary

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



Color Vector Graphics

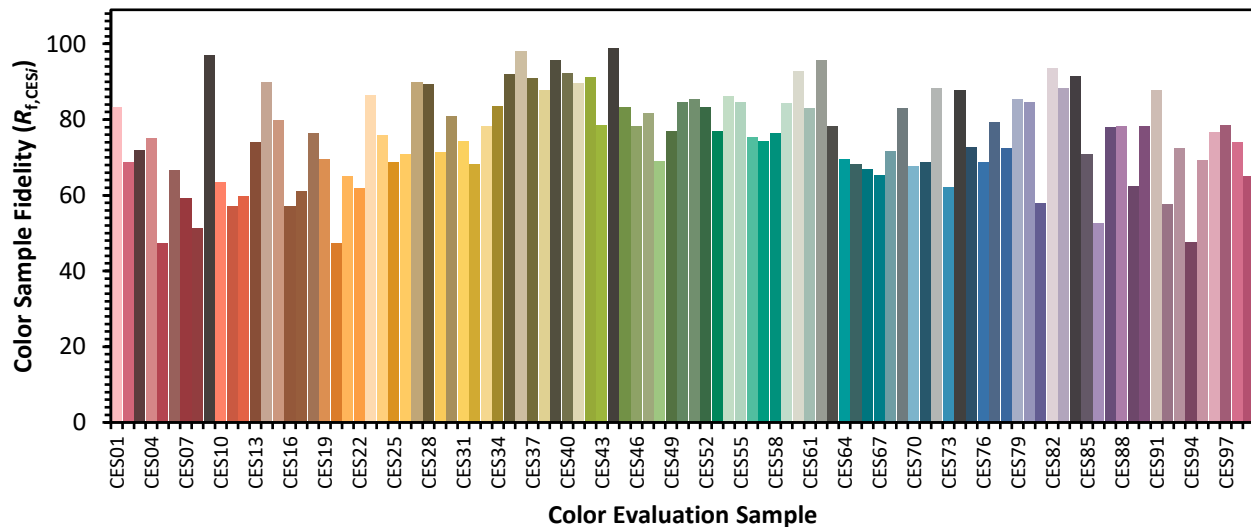


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Individual Sample Fidelity Index ($R_{f,i}$)

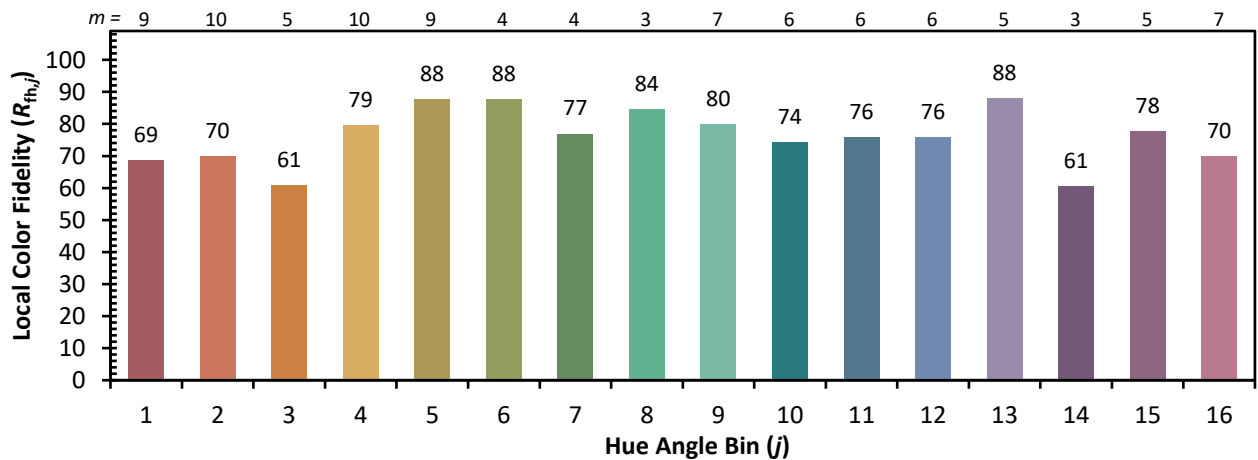
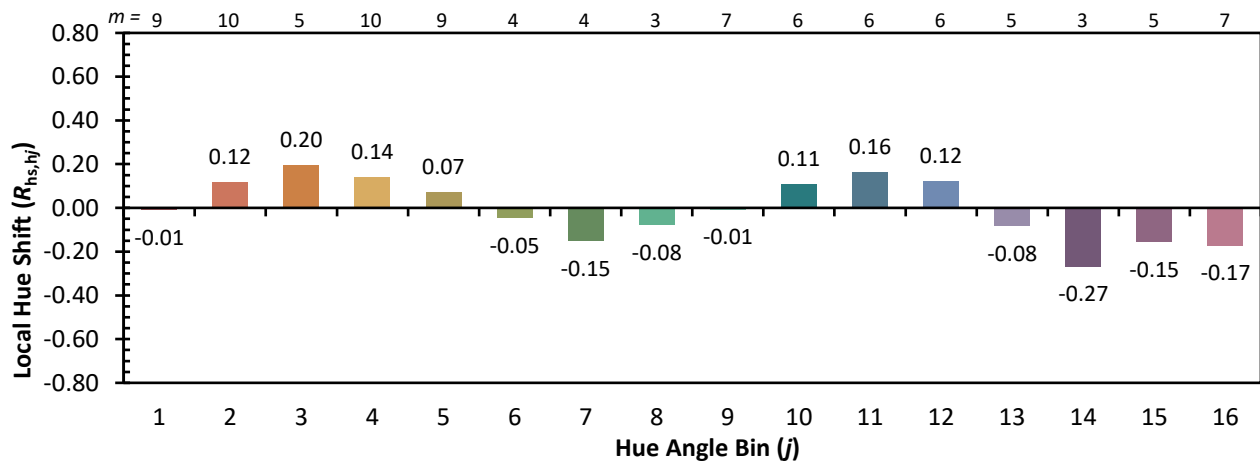
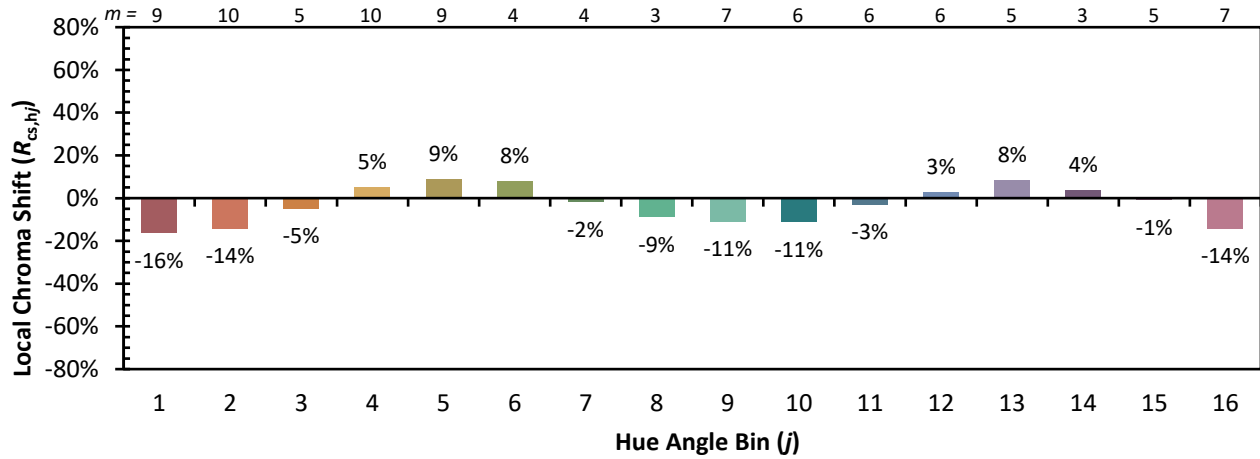
CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 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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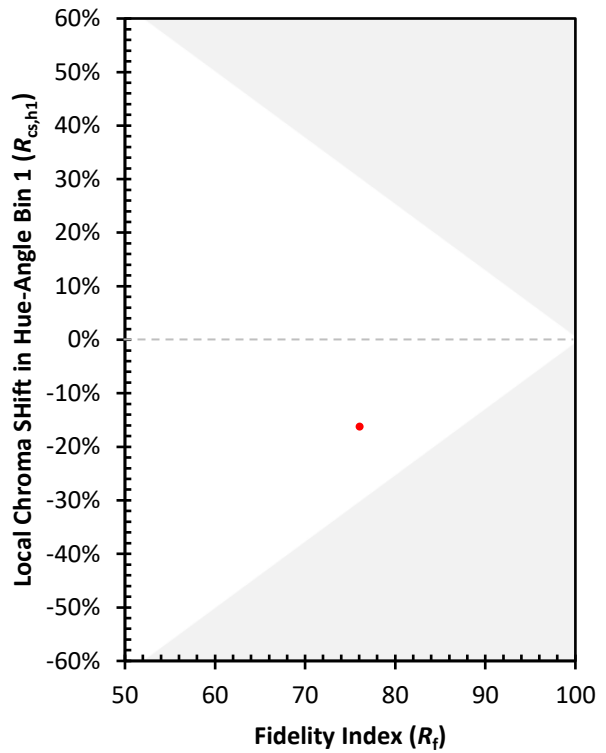
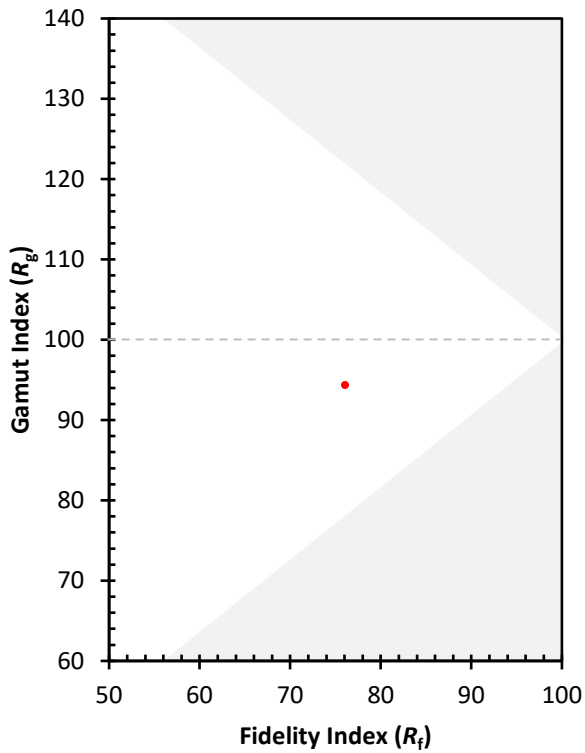
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)