

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: P856376

Luminaire Tested: **FFX-CLB-50-722-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856376
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-50-722-U-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

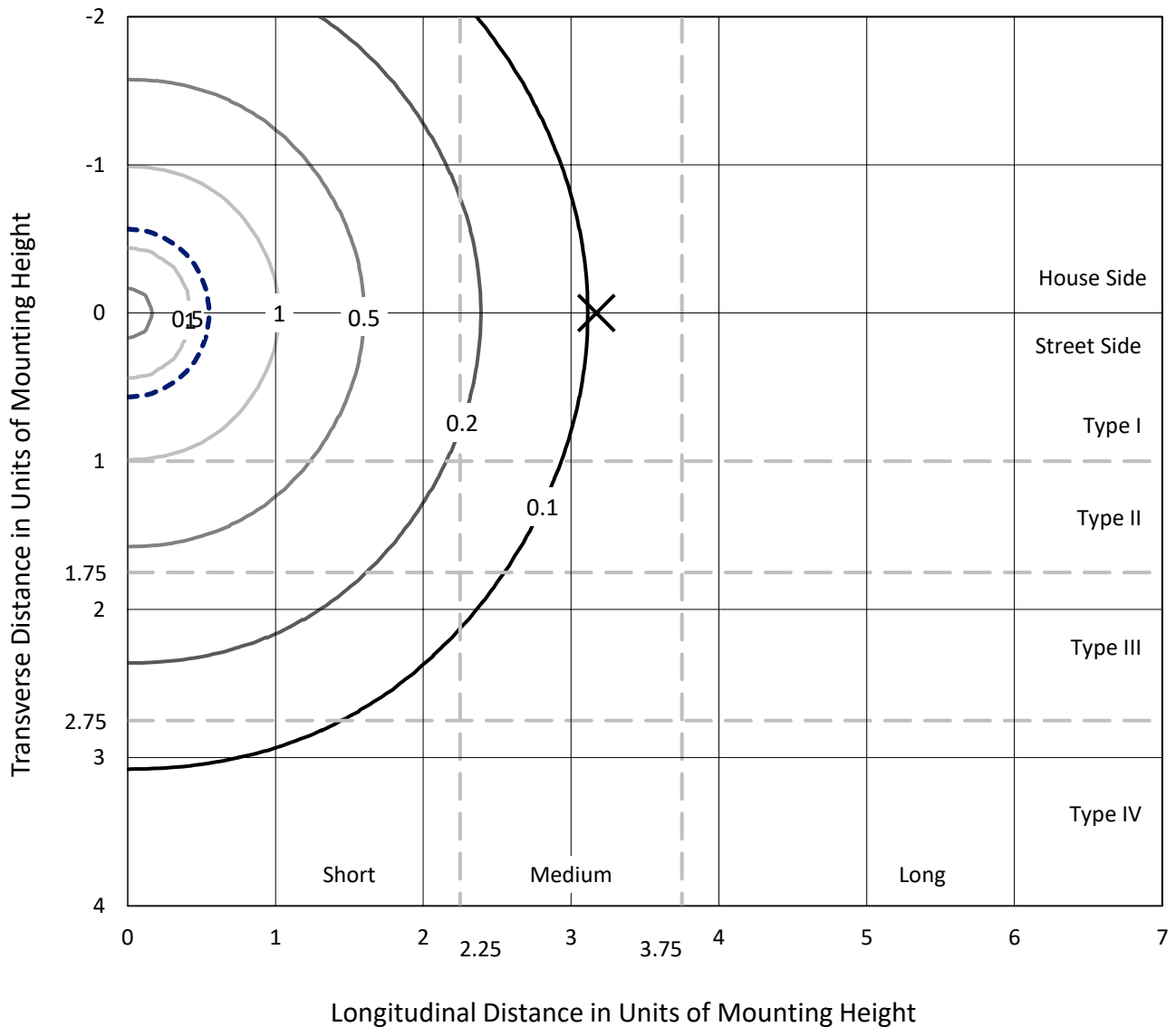
Lumens per Lamp: N/A
Luminaire Lumens: 6950.4 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

Input Watts (W): 50.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 6.0%%
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

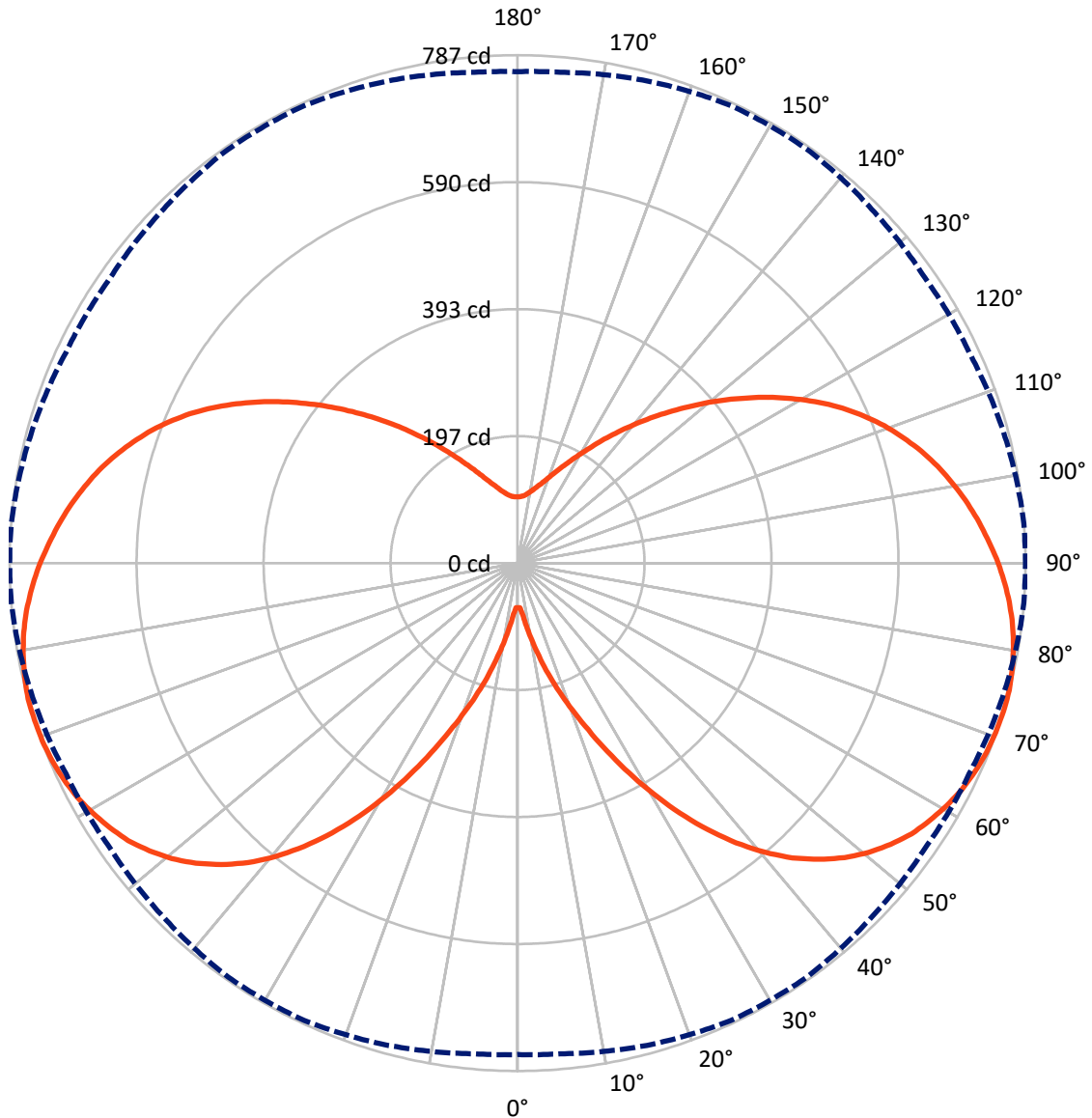
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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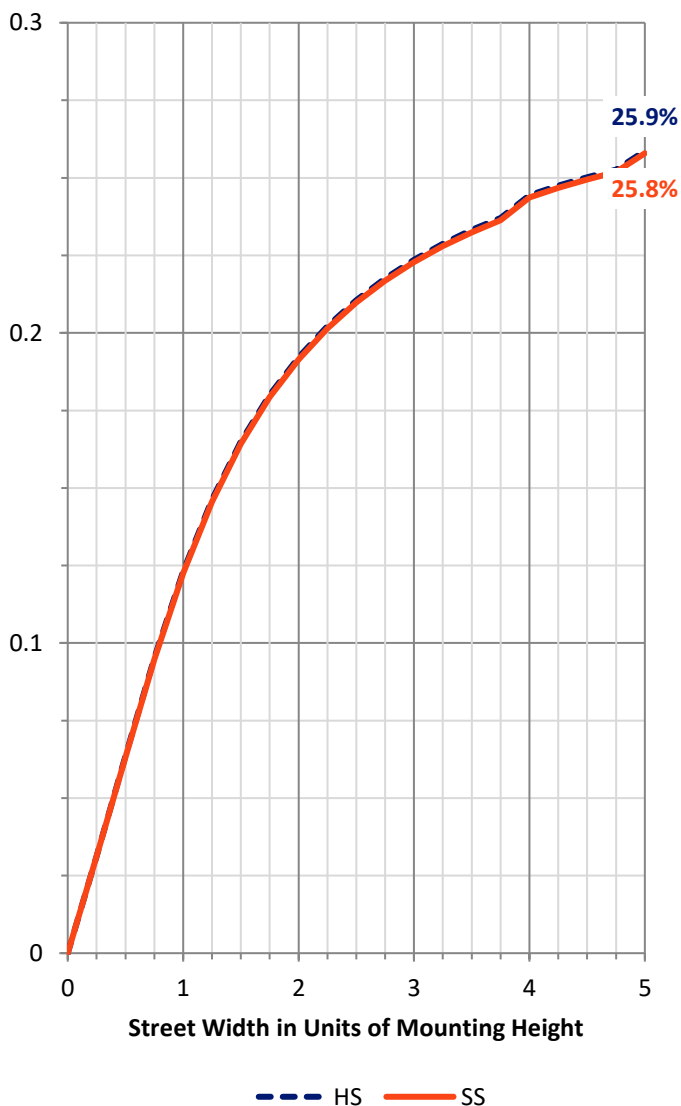
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2035.7	1439.5	3475.2
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	2035.7	1439.5	3475.2
	% Fixture	29.3	20.7	50.0
Total	Lumens	4071.4	2879.0	6950.4
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.1
10°-20°	52.1	0.8
20°-30°	150.7	2.2
30°-40°	313.4	4.5
40°-50°	497.3	7.2
50°-60°	652.8	9.4
60°-70°	761.2	11.0
70°-80°	817.6	11.8
80°-90°	817.3	11.8
90°-100°	765.0	11.0
100°-110°	671.2	9.7
110°-120°	539.8	7.8
120°-130°	387.7	5.6
130°-140°	249.2	3.6
140°-150°	144.6	2.1
150°-160°	75.9	1.1
160°-170°	35.3	0.5
170°-180°	10.2	0.1
0°-90°	4071.4	58.6
0°-180°	6950.4	100.0

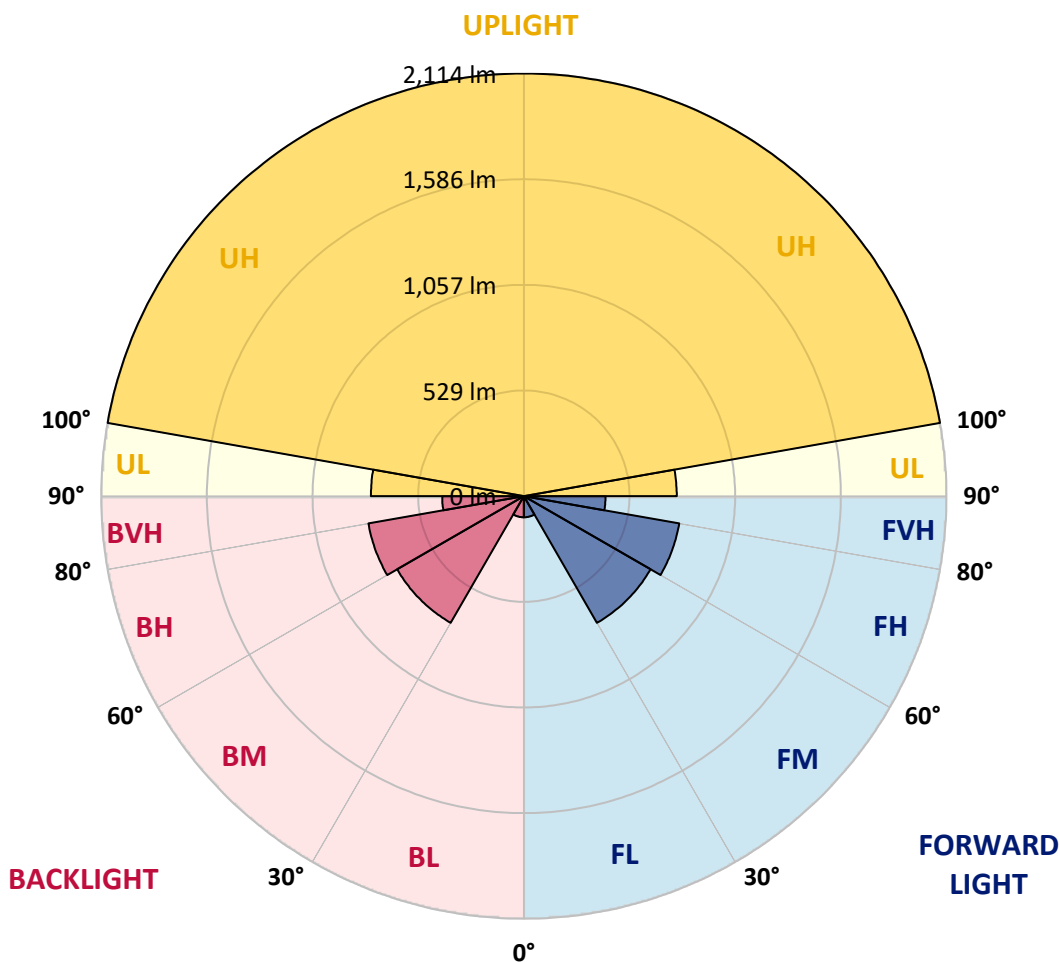


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.9	1.5			
FM (30°-60°)	731.8	10.5			
FH (60°-80°)	789.4	11.4			G1/1800
FVH (80°-90°)	408.6	5.9			G3/500
BL (0°-30°)	105.9	1.5	B0/110		
BM (30°-60°)	731.8	10.5	B1/1000		
BH (60°-80°)	789.4	11.4	B2/1000		G1/1800
BVH (80°-90°)	408.6	5.9			G3/500
UL (90°-100°)	765.0	11.0		U4/1000	
UH (100°-180°)	2114.0	30.4		U5	

BUG Rating: B2-U5-G3
 Type V Short





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CATALOG NUMBER: FFX-CLB-50-722-U-VM9

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2.5°	71.6	71.6	71.1	71.1	70.7	70.2	70.2	69.8	69.3	69.3	69.3
5°	79.6	79.2	79.2	79.2	79.2	78.7	79.2	78.7	78.7	78.7	79.2
7.5°	97.1	96.6	96.6	96.6	97.1	97.1	97.5	98.0	98.4	98.4	98.4
10°	119.9	119.5	119.5	119.0	119.9	119.9	120.3	119.5	120.8	120.8	121.2
12.5°	146.7	146.3	146.3	145.8	146.7	146.3	147.2	146.3	148.5	147.6	147.6
15°	175.8	175.8	175.4	174.9	176.3	176.3	177.2	177.2	178.5	177.6	178.1
17.5°	206.7	206.2	206.2	205.8	207.1	207.1	207.1	208.0	209.8	208.0	209.4
20°	239.8	239.4	239.4	238.9	240.2	240.2	241.1	241.6	243.4	242.0	242.9
22.5°	275.6	275.1	275.1	275.1	276.9	277.4	277.4	278.7	281.0	278.7	280.5
25°	315.4	315.0	315.0	316.3	317.6	318.1	319.0	320.8	323.0	320.8	323.0
27.5°	357.9	357.5	358.4	360.1	361.5	362.4	363.7	364.2	367.3	365.1	368.2
30°	401.8	401.3	402.2	404.4	406.2	408.9	408.9	410.3	414.7	411.6	414.7
32.5°	445.2	444.7	446.0	448.7	451.4	454.1	454.5	456.3	460.8	458.6	461.7
35°	488.1	487.7	489.4	493.0	495.7	498.4	499.3	501.1	506.0	503.8	506.9
37.5°	528.8	528.8	530.6	534.6	537.8	541.3	540.9	543.1	547.6	546.3	549.4
40°	566.8	566.8	569.1	574.0	577.6	579.8	579.4	581.6	586.5	586.1	588.8
42.5°	601.3	601.3	604.4	609.3	612.9	614.3	614.3	616.5	621.9	621.4	624.1
45°	630.4	631.7	635.3	640.7	643.8	645.1	644.2	646.5	652.3	652.3	654.5
47.5°	657.2	659.0	662.6	668.0	670.2	671.5	670.6	672.4	678.2	679.1	681.4
50°	680.5	681.8	686.3	692.1	694.3	694.3	693.0	694.8	701.1	702.8	704.6
52.5°	700.6	702.0	706.9	713.1	714.5	714.0	712.2	714.0	720.3	722.1	723.4
55°	716.7	718.1	723.9	730.1	731.5	730.1	727.5	729.7	735.5	738.2	740.4
57.5°	729.7	731.0	737.7	744.0	745.4	742.7	739.5	741.8	748.5	751.6	752.5
60°	740.4	741.8	748.9	755.6	756.5	753.4	749.8	752.1	758.8	762.4	763.2
62.5°	748.9	750.3	757.9	765.5	765.9	761.9	757.9	760.1	766.8	770.9	772.2
65°	754.7	756.1	764.6	772.2	773.1	768.2	764.1	766.4	772.6	777.6	778.5
67.5°	758.8	760.1	769.5	777.6	778.0	772.6	768.2	770.0	777.1	782.0	782.9
70°	760.6	761.9	771.7	780.2	780.7	774.9	769.5	771.7	778.9	784.7	785.6
72.5°	761.0	762.8	773.1	781.6	782.0	775.3	770.0	771.7	779.4	786.1	786.5
75°	759.2	761.5	772.2	781.1	781.1	773.5	767.7	769.5	778.0	785.2	786.5
77.5°	757.0	758.3	769.5	778.5	778.0	770.0	763.2	765.9	774.4	782.5	783.4
80°	752.1	753.9	765.0	773.5	772.6	763.7	757.4	760.1	769.1	777.6	778.5
82.5°	745.8	747.6	758.8	766.4	765.5	756.1	749.8	753.0	762.4	771.3	772.2
85°	738.2	740.0	750.7	757.9	756.5	747.1	740.9	743.6	753.9	762.8	763.7
87.5°	728.4	730.1	740.9	747.1	745.8	736.0	730.6	734.2	743.6	753.0	753.4
90°	717.2	719.4	728.8	734.6	732.8	723.9	719.0	722.5	731.9	740.9	741.8
92.5°	706.0	706.9	715.8	720.7	719.4	711.3	706.9	710.9	719.4	728.4	728.4
95°	692.6	693.9	702.0	706.0	704.6	697.9	693.9	698.4	706.0	714.5	714.9
97.5°	678.2	679.6	686.3	690.3	689.0	683.2	680.5	685.0	691.7	699.7	700.2
100°	663.0	663.9	669.7	673.3	672.0	667.5	665.7	670.2	676.5	684.1	684.1
102.5°	646.0	646.9	651.4	653.6	653.2	649.6	649.6	654.5	659.5	666.6	667.5
105°	628.1	629.0	632.2	633.5	633.1	631.7	632.6	637.5	641.6	647.8	648.7
107.5°	608.0	608.9	610.7	611.1	611.1	611.1	614.3	618.7	623.2	627.7	628.1
110°	586.5	587.0	588.3	587.9	587.9	588.8	593.2	598.2	601.7	606.2	606.7



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 CATALOG NUMBER: FFX-CLB-50-722-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	563.3	563.7	564.6	562.8	563.3	565.1	570.9	576.2	578.5	582.9	582.9
115°	538.7	538.2	539.1	536.9	536.4	539.6	545.8	552.1	553.9	557.0	557.4
117.5°	511.8	512.3	511.8	509.1	508.7	513.2	519.0	524.8	527.0	530.6	529.7
120°	484.1	483.6	484.1	480.9	480.5	485.4	491.2	497.0	498.4	501.5	500.6
122.5°	455.9	455.4	455.0	451.9	451.9	455.9	463.0	468.9	468.0	471.5	471.1
125°	426.8	426.8	425.9	422.8	422.8	427.7	433.5	438.9	438.0	442.0	440.7
127.5°	398.2	398.2	397.3	394.6	394.6	399.1	404.4	409.8	408.5	412.0	410.7
130°	370.0	370.0	369.1	366.4	366.4	370.0	375.8	380.3	378.5	381.6	381.2
132.5°	343.1	342.7	342.3	339.6	340.0	343.6	348.1	352.1	350.3	353.9	352.5
135°	317.2	316.8	316.3	313.6	314.1	317.6	321.7	324.8	323.5	325.7	325.3
137.5°	292.6	292.1	291.7	289.5	289.9	292.6	296.6	299.3	297.5	300.6	299.3
140°	269.3	268.9	268.0	266.6	267.1	269.8	272.0	275.1	273.4	276.0	274.7
142.5°	247.0	247.0	246.1	244.7	245.2	247.9	249.6	251.9	250.1	252.3	251.4
145°	226.4	226.4	225.5	224.6	224.6	226.8	228.2	230.4	228.6	230.9	230.0
147.5°	207.6	207.6	206.7	205.8	205.8	208.0	208.9	210.7	208.9	210.7	209.8
150°	190.1	190.1	189.7	188.8	189.2	190.1	191.0	192.4	191.0	192.4	191.9
152.5°	174.9	174.9	174.5	174.0	173.6	174.9	175.4	176.7	175.4	176.7	175.8
155°	161.5	161.1	161.1	160.2	160.2	161.1	161.5	162.4	161.1	162.4	162.0
157.5°	149.4	149.4	149.0	148.5	148.5	149.0	149.4	149.9	149.0	150.3	149.4
160°	139.1	139.1	138.7	138.2	138.2	138.7	138.7	139.1	138.2	139.1	138.7
162.5°	130.2	130.2	129.7	129.7	129.3	129.7	130.2	130.2	129.7	130.2	129.7
165°	123.0	123.0	122.6	122.1	122.1	122.6	122.6	123.0	122.1	122.6	122.6
167.5°	116.3	116.3	116.3	115.9	115.4	115.9	115.9	115.9	115.4	115.9	115.9
170°	111.4	111.4	111.4	111.0	110.5	111.0	111.0	111.0	110.5	111.0	111.0
172.5°	107.4	107.4	107.4	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9
175°	104.7	104.7	104.7	104.7	104.2	104.7	104.7	104.7	104.7	104.7	104.2
177.5°	103.3	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9
180°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5

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.

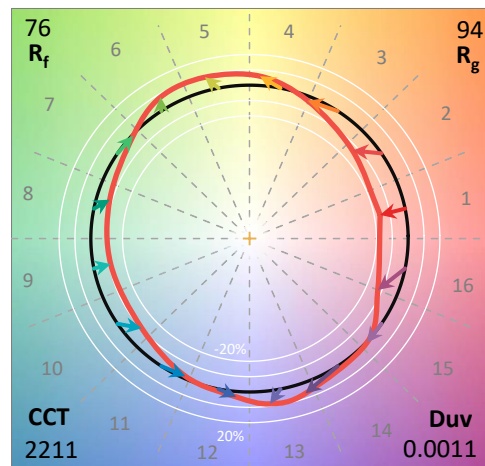
Test Information

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

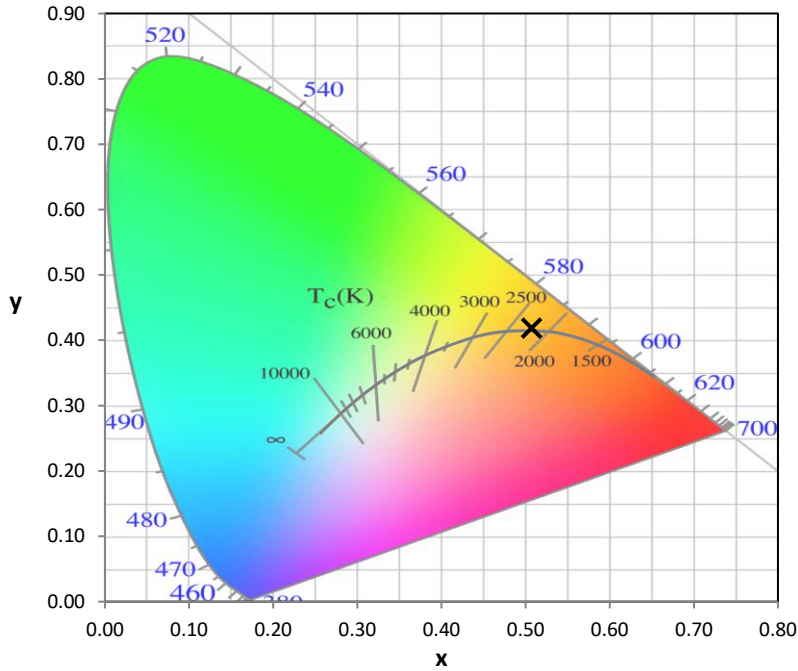
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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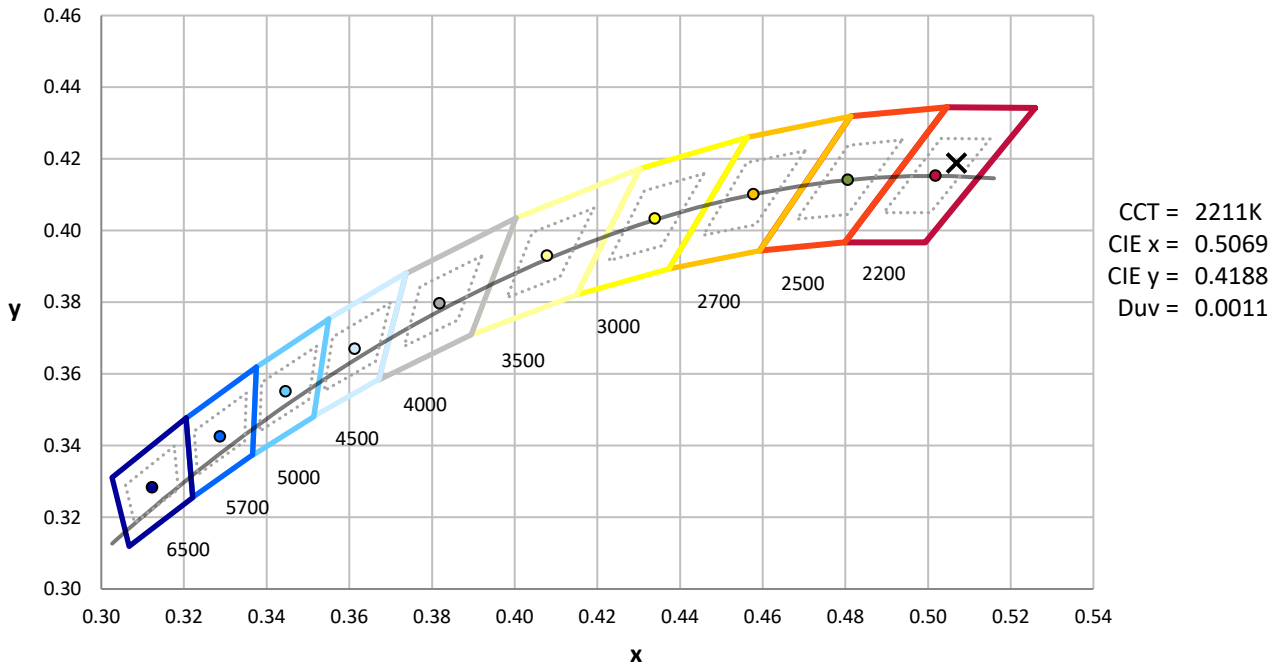
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



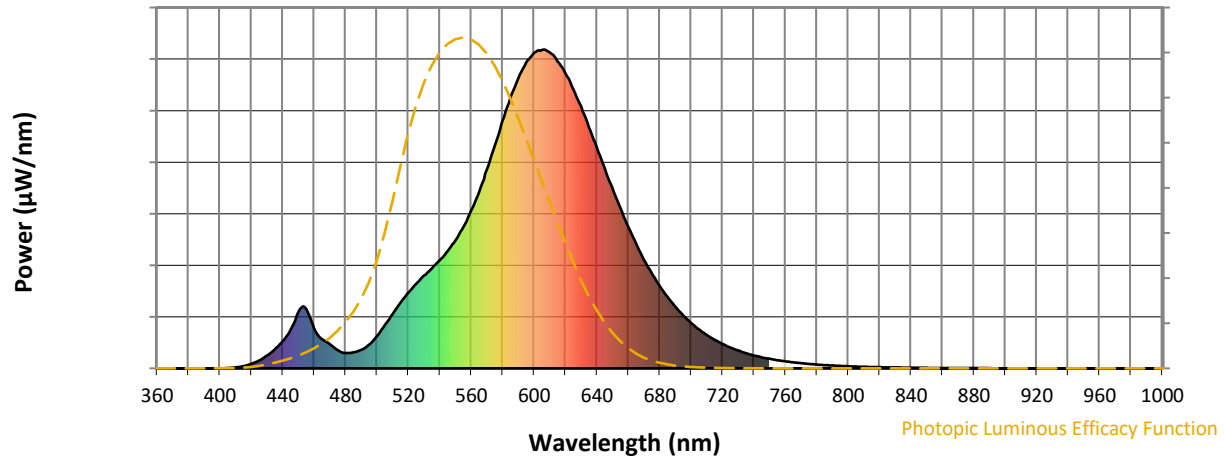
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

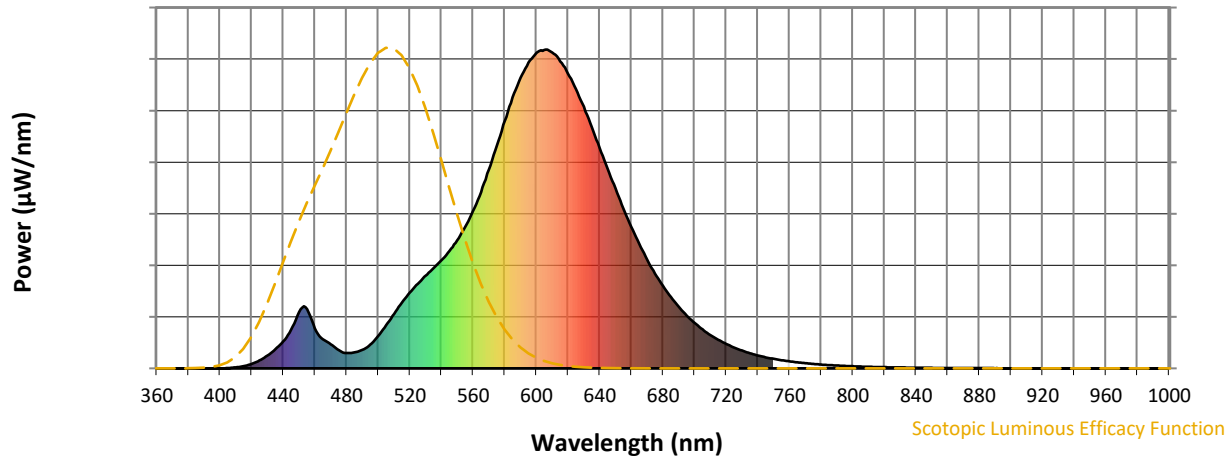


Photopic Lumens: NR

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



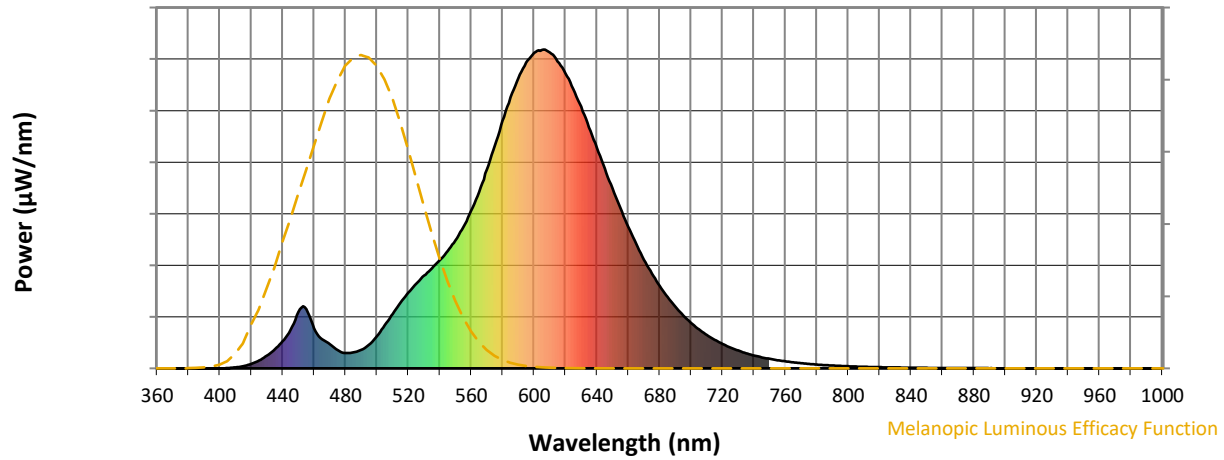
Scotopic Lumens: NR

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

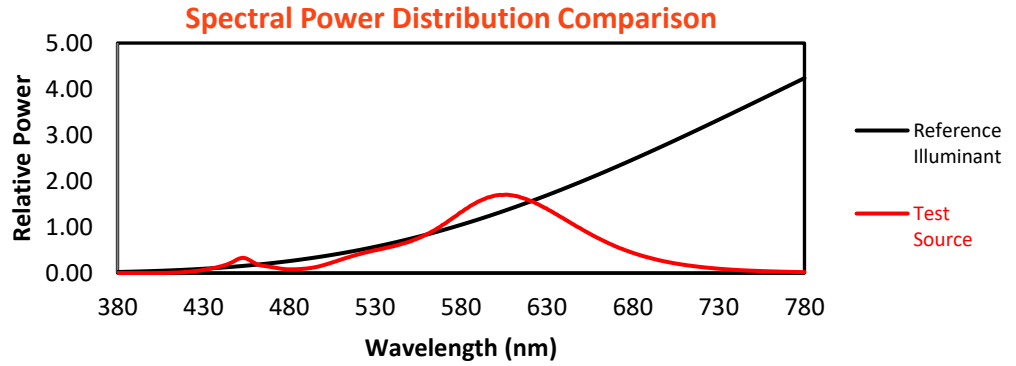
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR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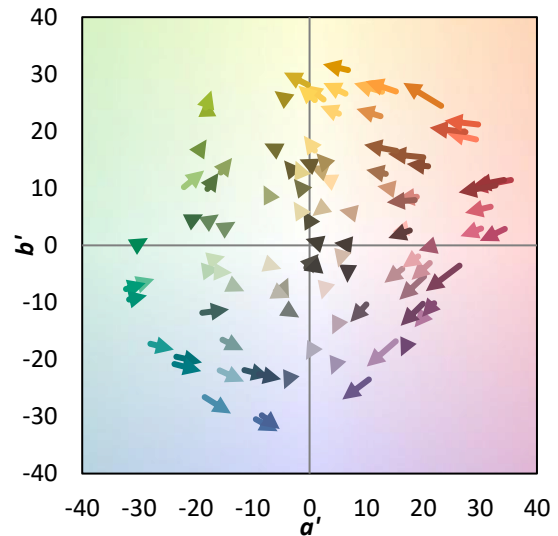
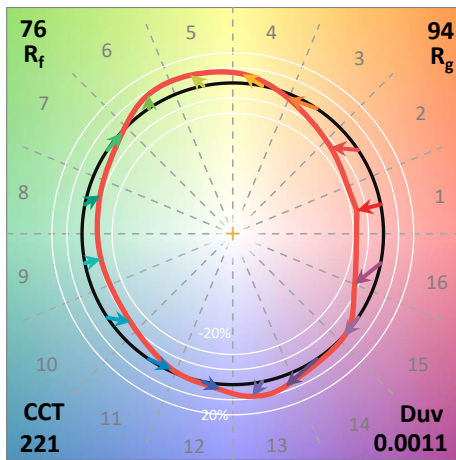
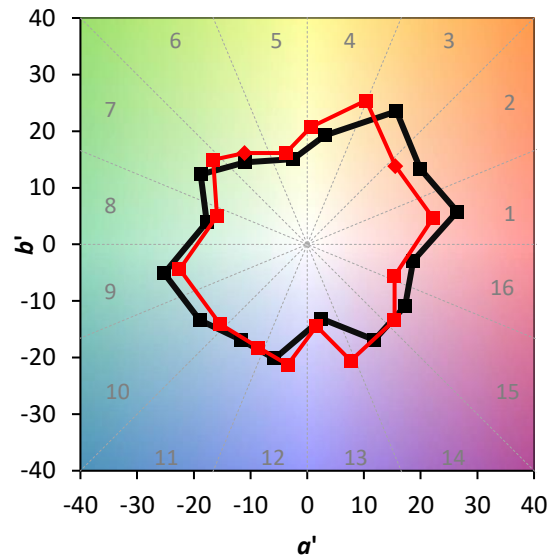
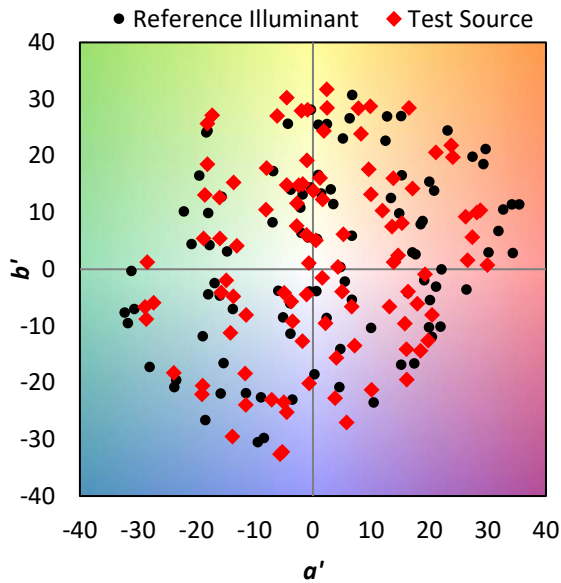
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Summary

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



Color Vector Graphics

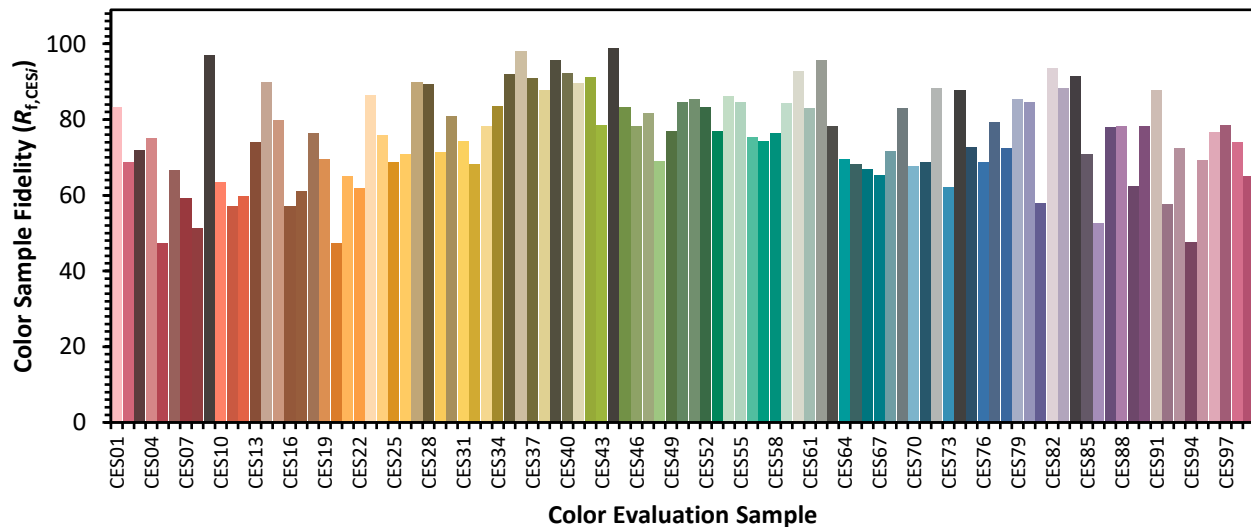


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Individual Sample Fidelity Index ($R_{f,i}$)

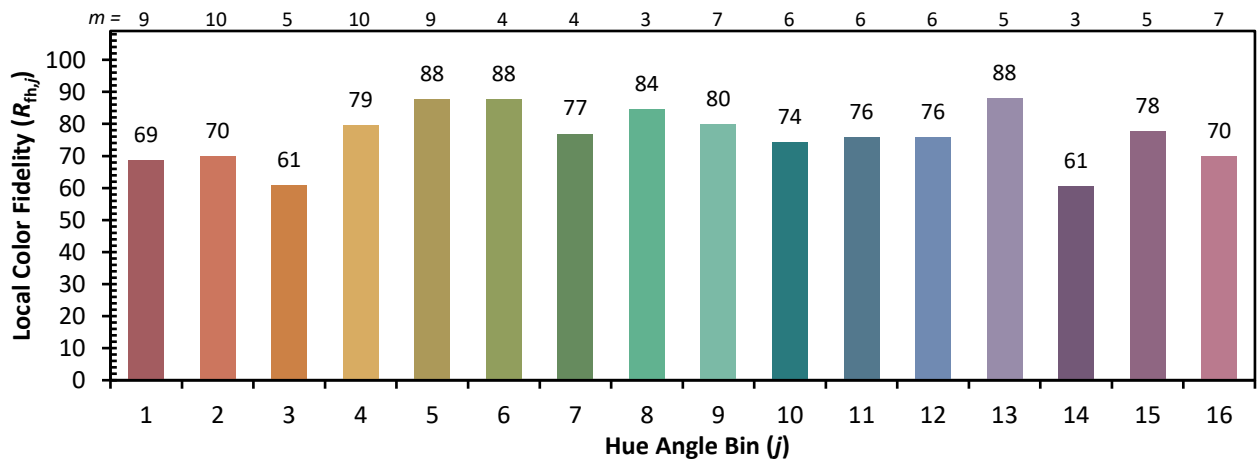
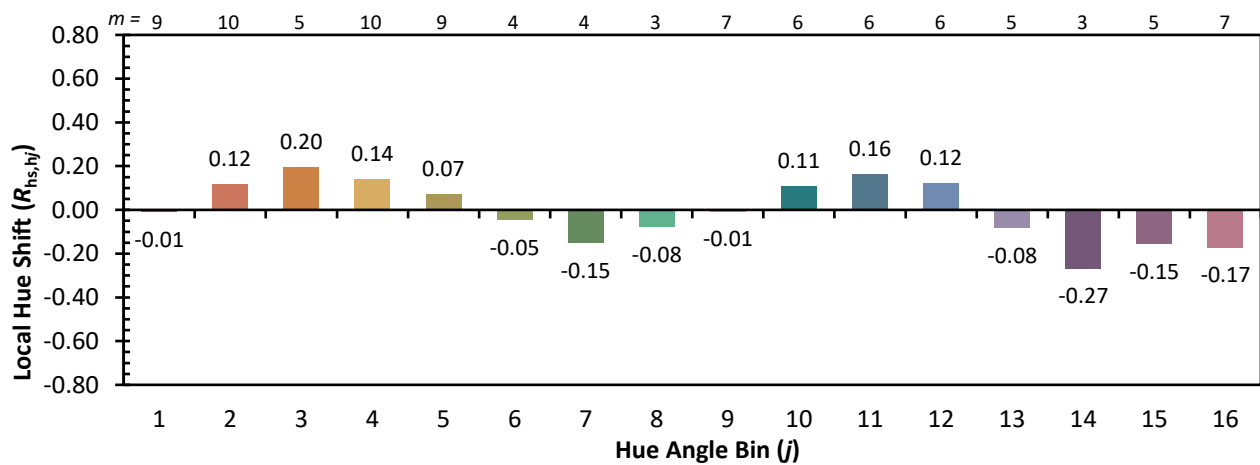
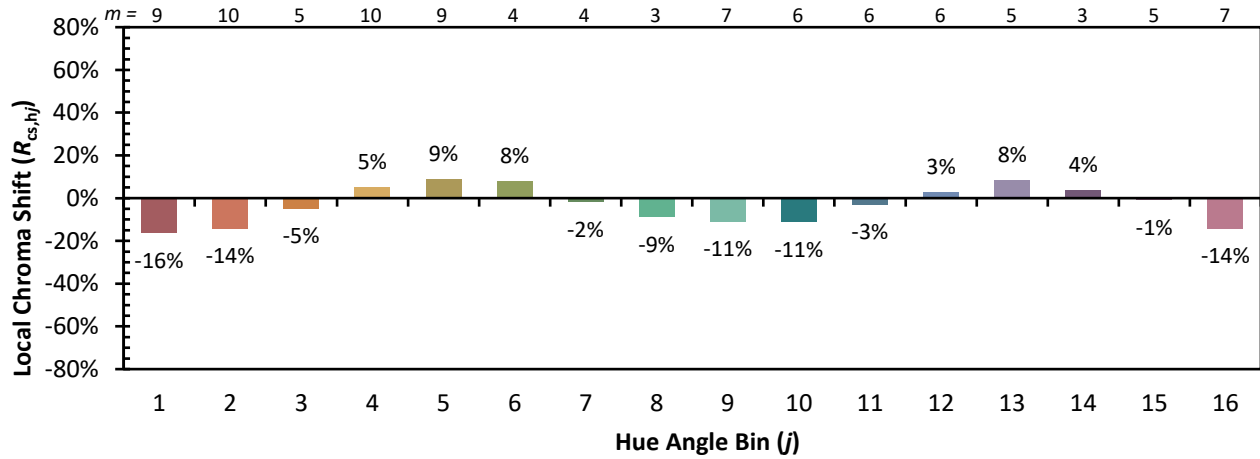
CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82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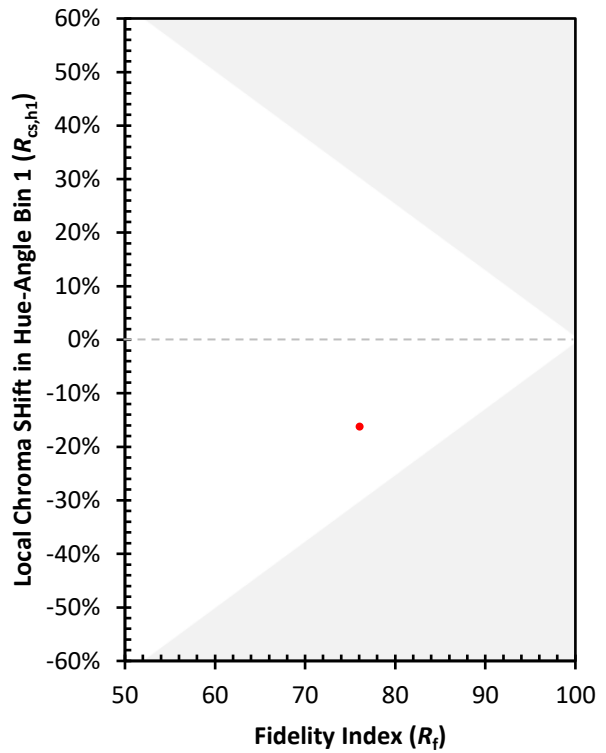
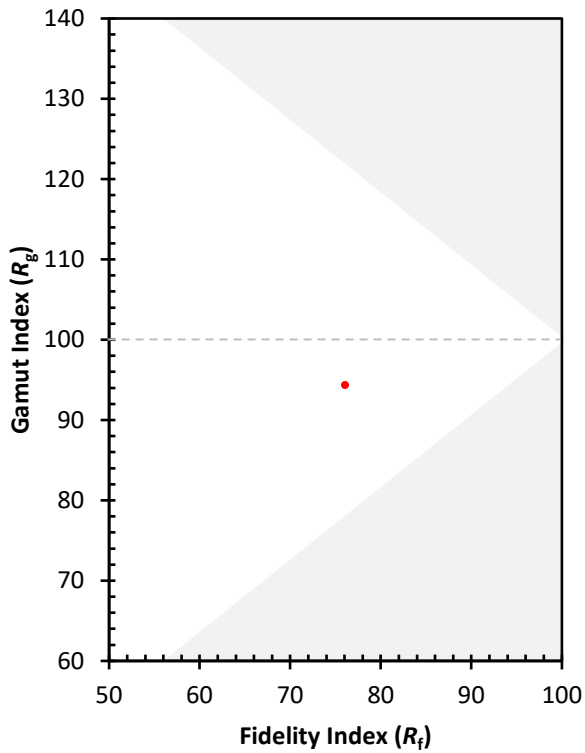
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)