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: P856379

Luminaire Tested: **FFX-CLB-20-722-U-VM9**

Issue Date: 07/16/2024

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:	P856379
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-722-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:	2735.2 lumens
Efficiency:	N/A
Efficacy:	140.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type V - Short
BUG Rating:	B1 - U4 - G2

Input Watts (W):	19.5
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.8%%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P856379
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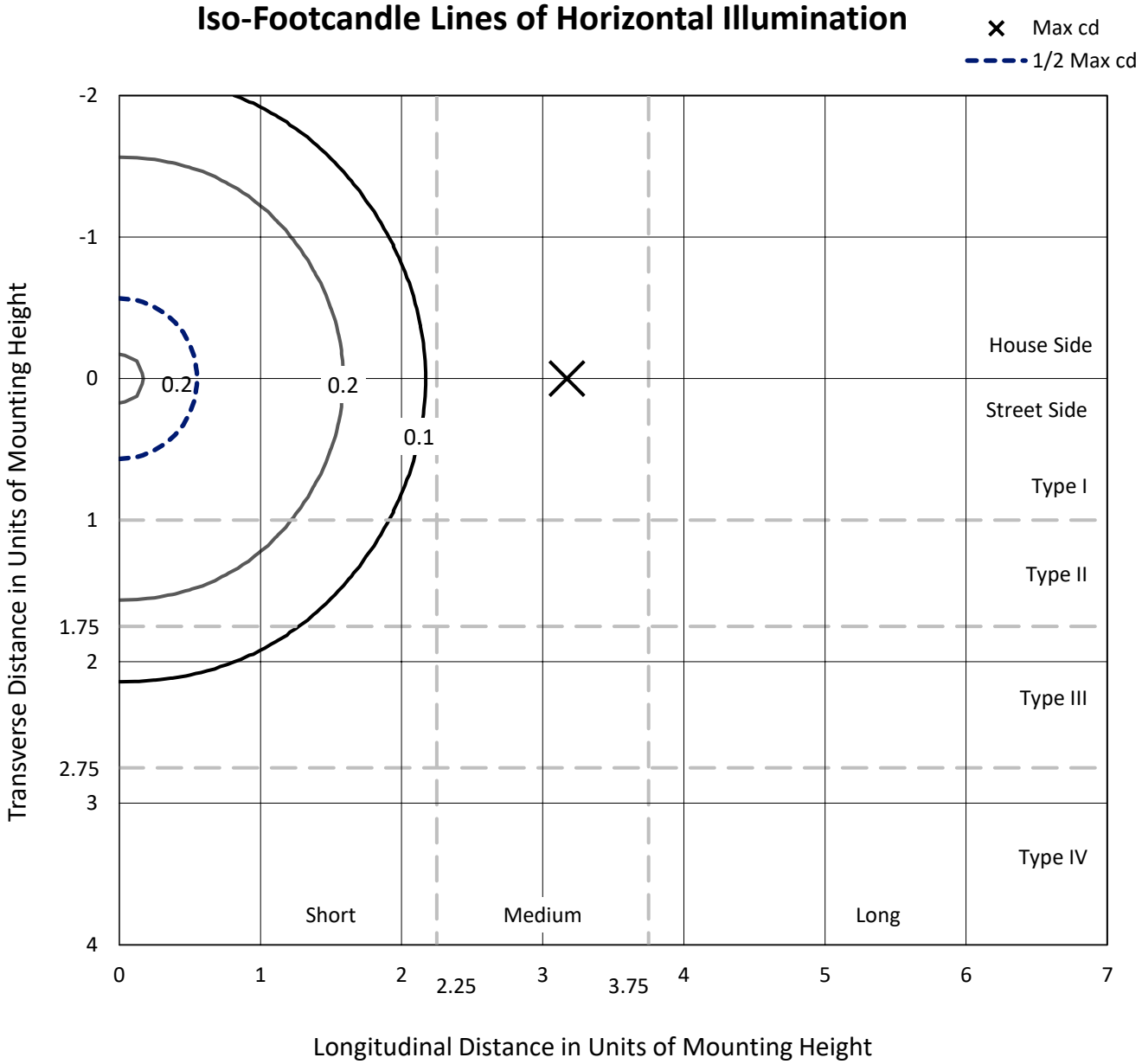
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 0.5 fc
Type V - Short - N/A

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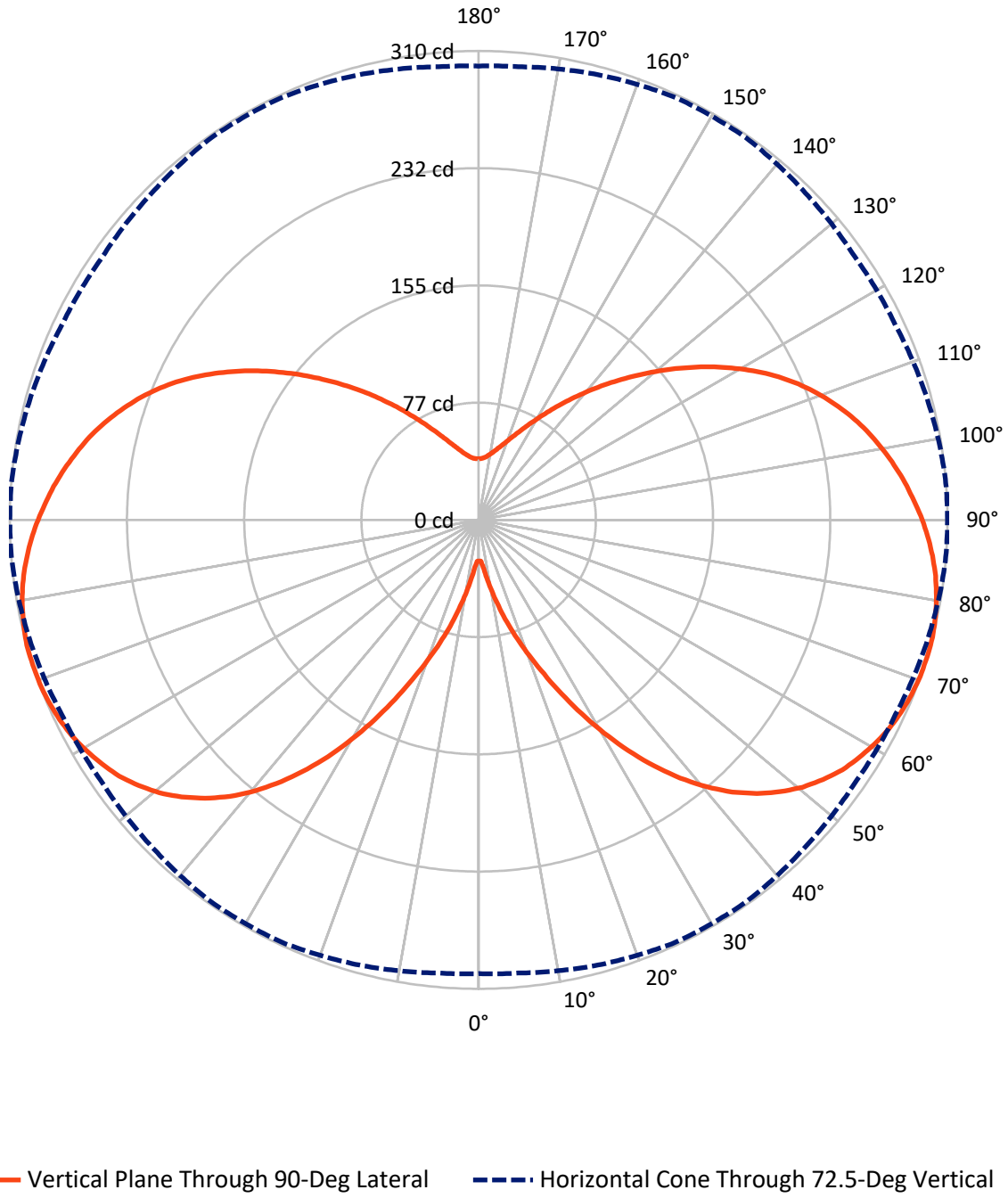
Luminous Intensity Polar Plot



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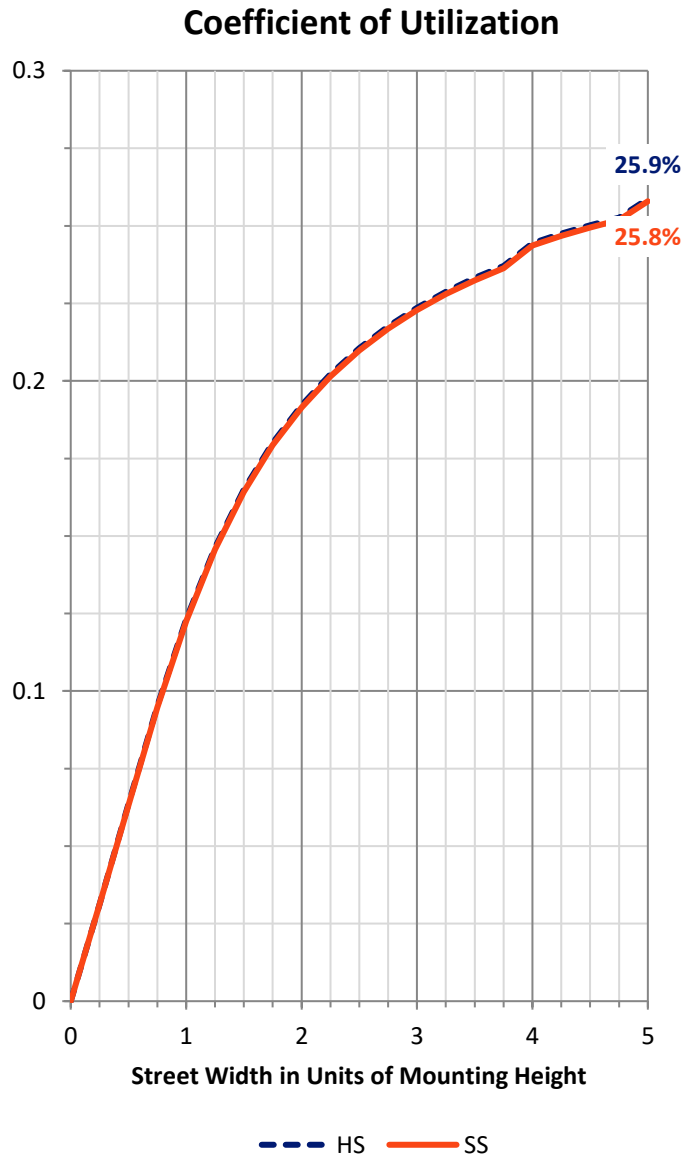
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	801.1	566.5	1367.6
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	801.1	566.5	1367.6
	% Fixture	29.3	20.7	50.0
Total	Lumens	1602.2	1133.0	2735.2
	% Fixture	58.6	41.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	20.5	0.8
20°-30°	59.3	2.2
30°-40°	123.3	4.5
40°-50°	195.7	7.2
50°-60°	256.9	9.4
60°-70°	299.6	11.0
70°-80°	321.8	11.8
80°-90°	321.6	11.8
90°-100°	301.1	11.0
100°-110°	264.2	9.7
110°-120°	212.4	7.8
120°-130°	152.6	5.6
130°-140°	98.1	3.6
140°-150°	56.9	2.1
150°-160°	29.9	1.1
160°-170°	13.9	0.5
170°-180°	4.0	0.1
0°-90°	1602.2	58.6
0°-180°	2735.2	100.0



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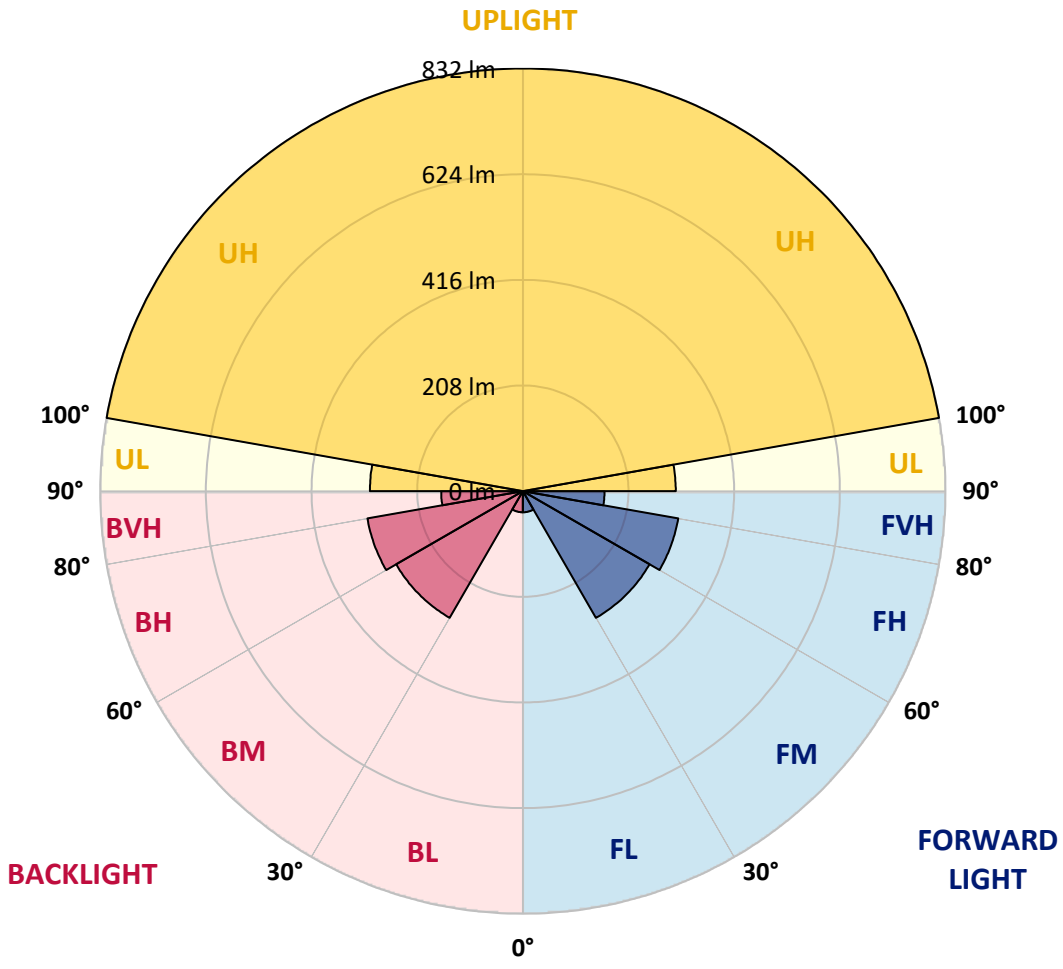
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	41.7	1.5			
FM	(30°-60°)	288.0	10.5			
FH	(60°-80°)	310.7	11.4			G0/660
FVH	(80°-90°)	160.8	5.9			G2/225
BL	(0°-30°)	41.7	1.5	B0/110		
BM	(30°-60°)	288.0	10.5	B1/1000		
BH	(60°-80°)	310.7	11.4	B1/500		G0/660
BVH	(80°-90°)	160.8	5.9			G2/225
UL	(90°-100°)	301.1	11.0		U3/500	
UH	(100°-180°)	831.9	30.4		U4/1000	

BUG Rating: B1-U4-G2
Type V Short



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Scaled Data Report

REPORT NUMBER: P856379
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
2.5°	28.2	28.2	28.0	28.0	27.8	27.6	27.6	27.5	27.3	27.3	27.3
5°	31.3	31.2	31.2	31.2	31.2	31.0	31.2	31.0	31.0	31.0	31.2
7.5°	38.2	38.0	38.0	38.0	38.2	38.2	38.4	38.6	38.7	38.7	38.7
10°	47.2	47.0	47.0	46.8	47.2	47.2	47.4	47.0	47.5	47.5	47.7
12.5°	57.7	57.6	57.6	57.4	57.7	57.6	57.9	57.6	58.5	58.1	58.1
15°	69.2	69.2	69.0	68.8	69.4	69.4	69.7	69.7	70.2	69.9	70.1
17.5°	81.3	81.2	81.2	81.0	81.5	81.5	81.5	81.9	82.6	81.9	82.4
20°	94.4	94.2	94.2	94.0	94.5	94.5	94.9	95.1	95.8	95.3	95.6
22.5°	108.5	108.3	108.3	108.3	109.0	109.2	109.2	109.7	110.6	109.7	110.4
25°	124.1	123.9	123.9	124.5	125.0	125.2	125.5	126.2	127.1	126.2	127.1
27.5°	140.9	140.7	141.0	141.7	142.3	142.6	143.1	143.3	144.5	143.7	144.9
30°	158.1	157.9	158.3	159.2	159.9	160.9	160.9	161.5	163.2	162.0	163.2
32.5°	175.2	175.0	175.5	176.6	177.6	178.7	178.9	179.6	181.3	180.5	181.7
35°	192.1	191.9	192.6	194.0	195.1	196.1	196.5	197.2	199.1	198.2	199.5
37.5°	208.1	208.1	208.8	210.4	211.6	213.0	212.9	213.7	215.5	215.0	216.2
40°	223.1	223.1	224.0	225.9	227.3	228.2	228.0	228.9	230.8	230.6	231.7
42.5°	236.6	236.6	237.9	239.8	241.2	241.7	241.7	242.6	244.7	244.6	245.6
45°	248.1	248.6	250.0	252.1	253.4	253.9	253.5	254.4	256.7	256.7	257.6
47.5°	258.6	259.3	260.8	262.9	263.7	264.3	263.9	264.6	266.9	267.3	268.1
50°	267.8	268.3	270.1	272.4	273.3	273.3	272.7	273.4	275.9	276.6	277.3
52.5°	275.7	276.2	278.2	280.6	281.2	281.0	280.3	281.0	283.5	284.2	284.7
55°	282.1	282.6	284.9	287.3	287.9	287.3	286.3	287.2	289.4	290.5	291.4
57.5°	287.2	287.7	290.3	292.8	293.3	292.3	291.0	291.9	294.6	295.8	296.1
60°	291.4	291.9	294.7	297.4	297.7	296.5	295.1	296.0	298.6	300.0	300.4
62.5°	294.7	295.3	298.3	301.2	301.4	299.8	298.3	299.1	301.8	303.4	303.9
65°	297.0	297.5	300.9	303.9	304.2	302.3	300.7	301.6	304.1	306.0	306.4
67.5°	298.6	299.1	302.8	306.0	306.2	304.1	302.3	303.0	305.8	307.8	308.1
70°	299.3	299.8	303.7	307.1	307.2	304.9	302.8	303.7	306.5	308.8	309.2
72.5°	299.5	300.2	304.2	307.6	307.8	305.1	303.0	303.7	306.7	309.3	309.5
75°	298.8	299.7	303.9	307.4	307.4	304.4	302.1	302.8	306.2	309.0	309.5
77.5°	297.9	298.4	302.8	306.4	306.2	303.0	300.4	301.4	304.8	307.9	308.3
80°	296.0	296.7	301.1	304.4	304.1	300.5	298.1	299.1	302.7	306.0	306.4
82.5°	293.5	294.2	298.6	301.6	301.2	297.5	295.1	296.3	300.0	303.5	303.9
85°	290.5	291.2	295.4	298.3	297.7	294.0	291.6	292.6	296.7	300.2	300.5
87.5°	286.6	287.3	291.6	294.0	293.5	289.6	287.5	288.9	292.6	296.3	296.5
90°	282.2	283.1	286.8	289.1	288.4	284.9	282.9	284.3	288.0	291.6	291.9
92.5°	277.8	278.2	281.7	283.6	283.1	279.9	278.2	279.8	283.1	286.6	286.6
95°	272.5	273.1	276.2	277.8	277.3	274.7	273.1	274.8	277.8	281.2	281.4
97.5°	266.9	267.4	270.1	271.7	271.1	268.8	267.8	269.6	272.2	275.4	275.5
100°	260.9	261.3	263.6	265.0	264.4	262.7	262.0	263.7	266.2	269.2	269.2
102.5°	254.2	254.6	256.3	257.2	257.1	255.6	255.6	257.6	259.5	262.3	262.7
105°	247.2	247.5	248.8	249.3	249.1	248.6	249.0	250.9	252.5	254.9	255.3
107.5°	239.3	239.6	240.3	240.5	240.5	240.5	241.7	243.5	245.3	247.0	247.2
110°	230.8	231.0	231.5	231.3	231.3	231.7	233.5	235.4	236.8	238.6	238.7

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Scaled Data Report

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CATALOG NUMBER: FFX-CLB-20-722-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	221.7	221.8	222.2	221.5	221.7	222.4	224.7	226.8	227.7	229.4	*229.4*
115°	212.0	211.8	212.2	211.3	211.1	212.3	214.8	217.3	218.0	219.2	*219.4*
117.5°	201.4	201.6	201.4	200.4	200.2	201.9	204.2	206.5	207.4	208.8	*208.5*
120°	190.5	190.3	190.5	189.3	189.1	191.0	193.3	195.6	196.1	197.4	*197.0*
122.5°	179.4	179.2	179.1	177.8	177.8	179.4	182.2	184.5	184.2	185.6	*185.4*
125°	168.0	168.0	167.6	166.4	166.4	168.3	170.6	172.7	172.4	174.0	*173.4*
127.5°	156.7	156.7	156.3	155.3	155.3	157.0	159.2	161.3	160.7	162.2	*161.6*
130°	145.6	145.6	145.3	144.2	144.2	145.6	147.9	149.7	149.0	150.2	*150.0*
132.5°	135.0	134.9	134.7	133.6	133.8	135.2	137.0	138.6	137.9	139.3	*138.7*
135°	124.8	124.7	124.5	123.4	123.6	125.0	126.6	127.8	127.3	128.2	*128.0*
137.5°	115.1	115.0	114.8	113.9	114.1	115.1	116.7	117.8	117.1	118.3	*117.8*
140°	106.0	105.8	105.5	104.9	105.1	106.2	107.0	108.3	107.6	108.6	*108.1*
142.5°	97.2	97.2	96.8	96.3	96.5	97.5	98.2	99.1	98.4	99.3	*98.9*
145°	89.1	89.1	88.7	88.4	88.4	89.3	89.8	90.7	90.0	90.8	*90.5*
147.5°	81.7	81.7	81.3	81.0	81.0	81.9	82.2	82.9	82.2	82.9	*82.6*
150°	74.8	74.8	74.7	74.3	74.5	74.8	75.2	75.7	75.2	75.7	*75.5*
152.5°	68.8	68.8	68.7	68.5	68.3	68.8	69.0	69.5	69.0	69.5	*69.2*
155°	63.6	63.4	63.4	63.0	63.0	63.4	63.6	63.9	63.4	63.9	*63.7*
157.5°	58.8	58.8	58.6	58.5	58.5	58.6	58.8	59.0	58.6	59.2	*58.8*
160°	54.8	54.8	54.6	54.4	54.4	54.6	54.6	54.8	54.4	54.8	*54.6*
162.5°	51.2	51.2	51.1	51.1	50.9	51.1	51.2	51.2	51.1	51.2	*51.1*
165°	48.4	48.4	48.2	48.1	48.1	48.2	48.2	48.4	48.1	48.2	*48.2*
167.5°	45.8	45.8	45.8	45.6	45.4	45.6	45.6	45.6	45.4	45.6	*45.6*
170°	43.8	43.8	43.8	43.7	43.5	43.7	43.7	43.7	43.5	43.7	*43.7*
172.5°	42.3	42.3	42.3	42.1	42.1	42.1	42.1	42.1	42.1	42.1	*42.1*
175°	41.2	41.2	41.2	41.2	41.0	41.2	41.2	41.2	41.2	41.2	*41.0*
177.5°	40.7	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	*40.5*
180°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	*40.3*

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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.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.03

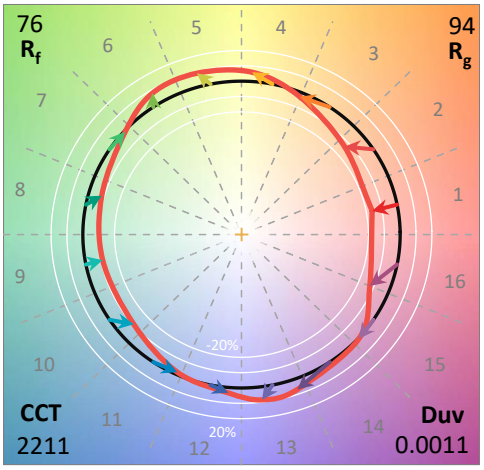
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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	CRI (Ra):	71.4		
CIE u':	0.2892	R1:	68.2	R9:	-29.2
CIE v':	0.5376	R2:	85.0	R10:	67.8
Duv:	0.0011	R3:	94.0	R11:	60.7
CIE x:	0.5069	R4:	65.1	R12:	59.0
CIE y:	0.4188	R5:	66.6	R13:	71.3
CIE z:	0.0743	R6:	81.8	R14:	97.6
Peak Wavelength (nm):	606	R7:	73.4	R15:	58.9
Dominant Wavelength (nm):	586	R8:	37.3		
Purity:	77.8805				
Rf:	76.1				
Rg:	94.3				



Test Conditions

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

Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: SP1-2406-133-2

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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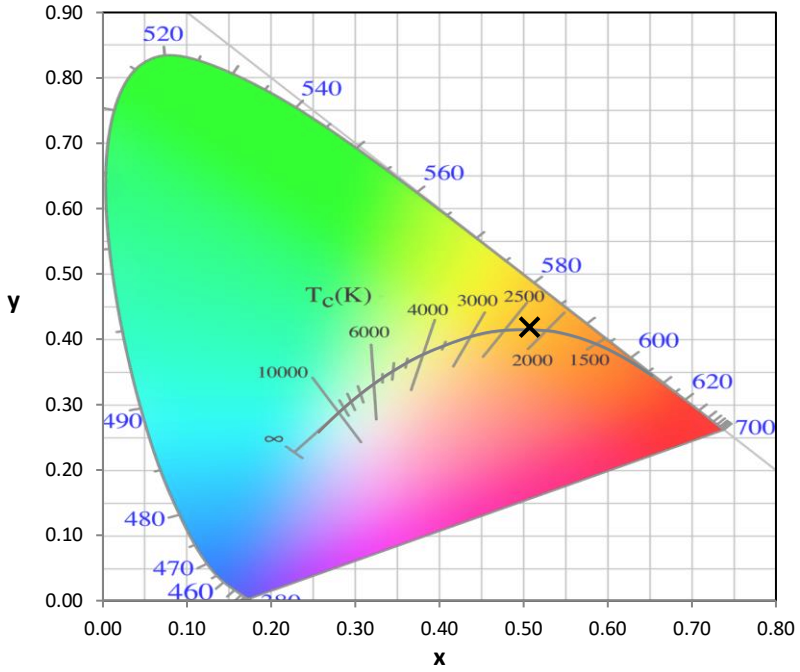
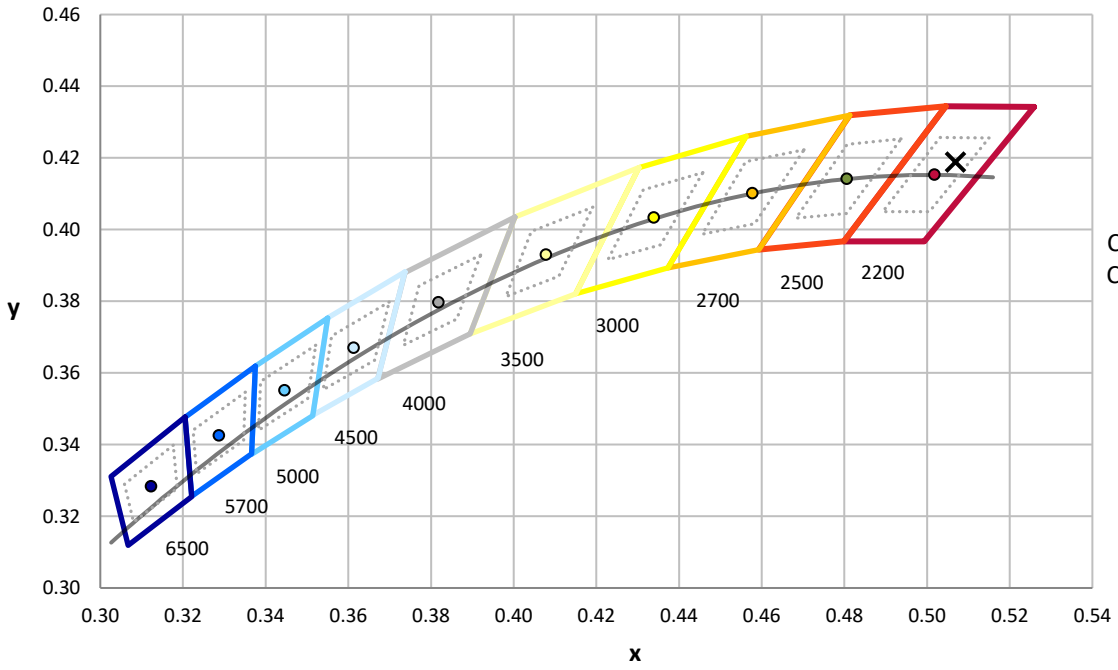
CIE 1931 Chromaticity Diagram



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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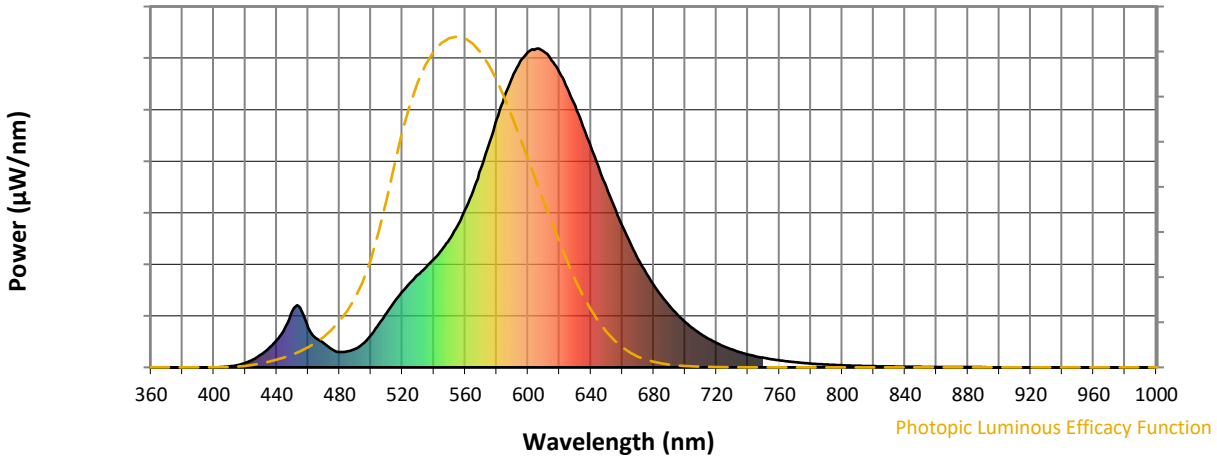
REPORT NUMBER: SP1-2406-133-2

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	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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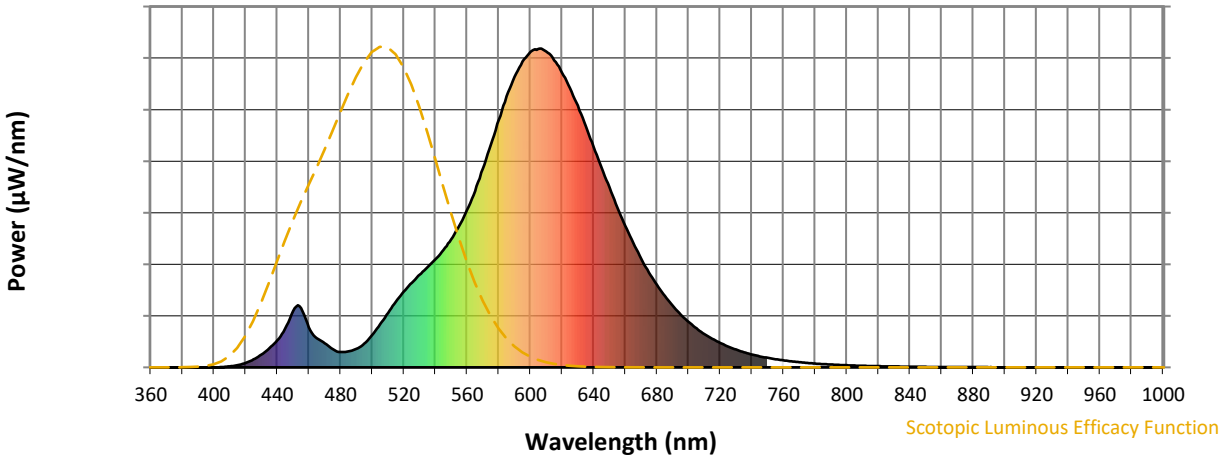
Scotopic Flux vs. Wavelength



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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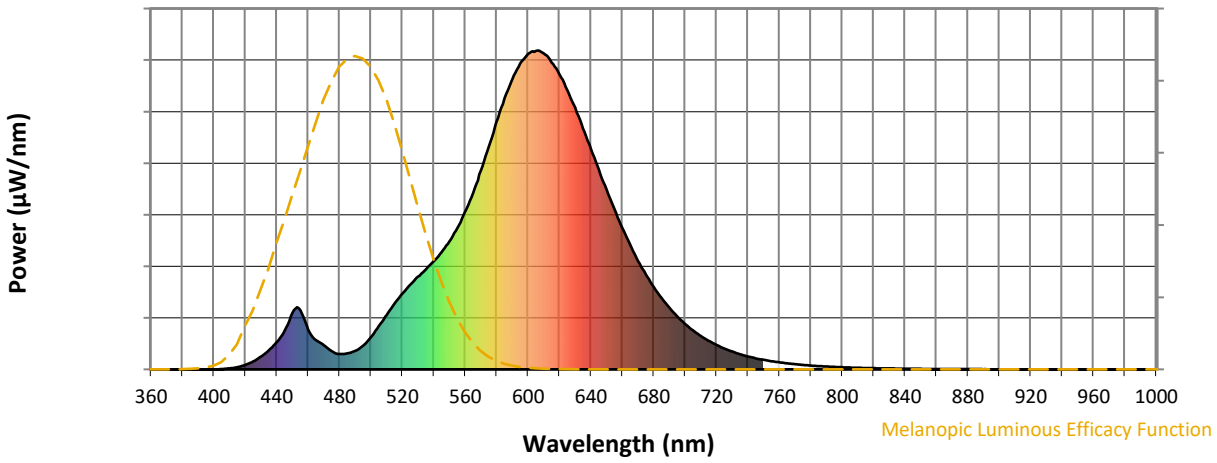
Melanopic Flux vs. Wavelength



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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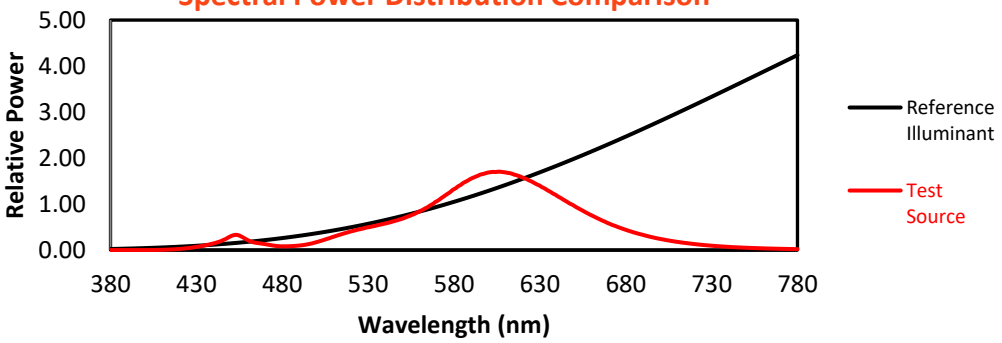
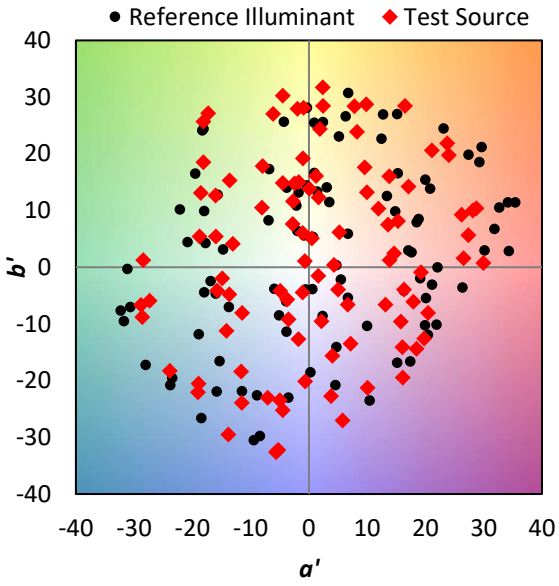
Summary

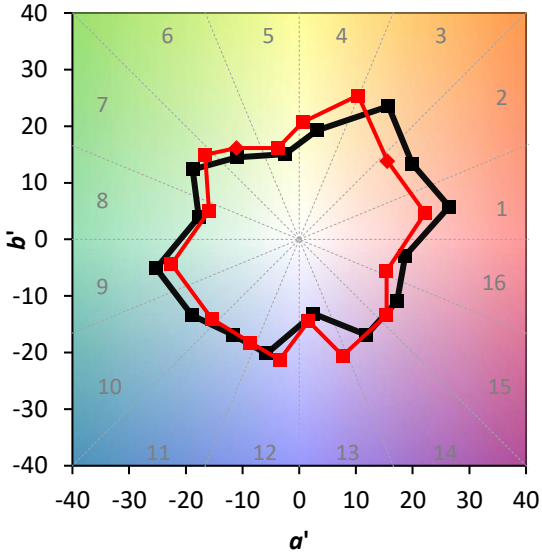
R_f = 76.1
R_g = 94.3
CIE R_a = 71.4
R_9 = -29.2

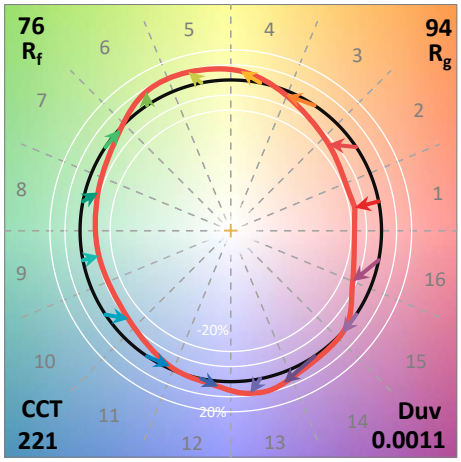
Spectral Power Distribution Comparison

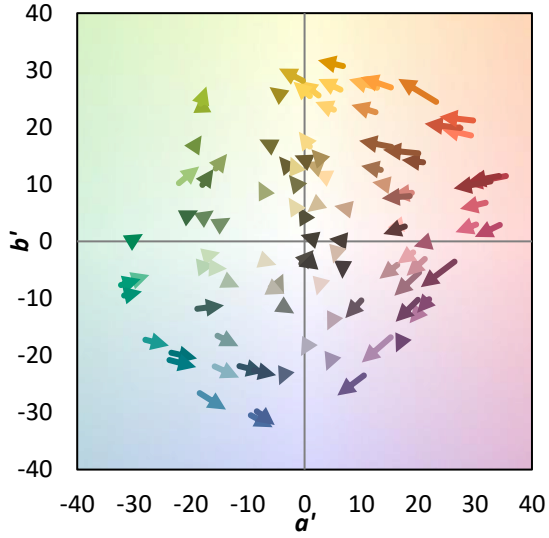


Color Vector Graphics









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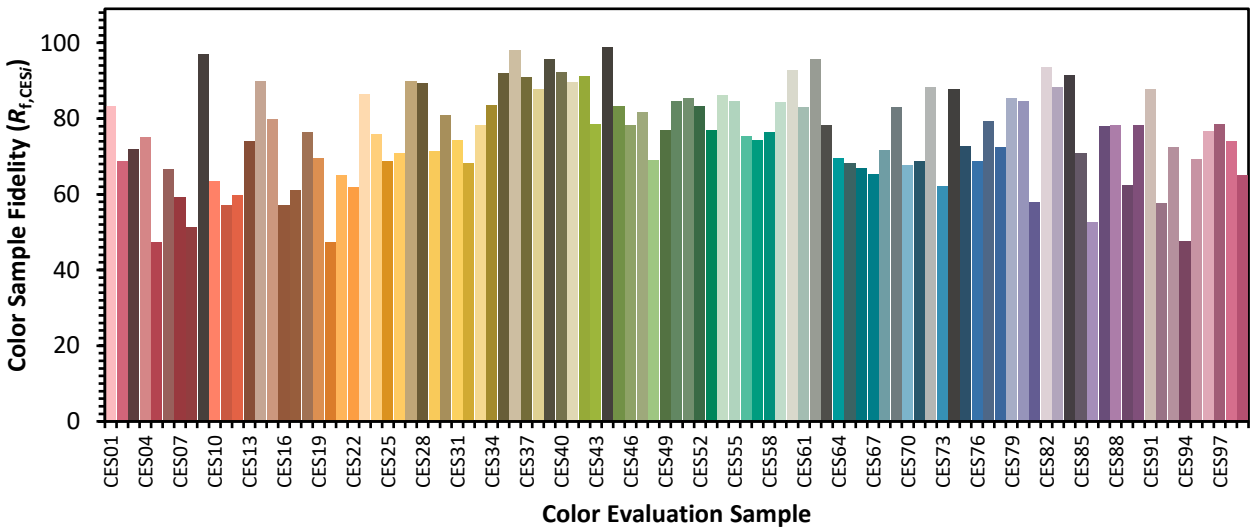
Individual Sample Fidelity Index ($R_{f,i}$)

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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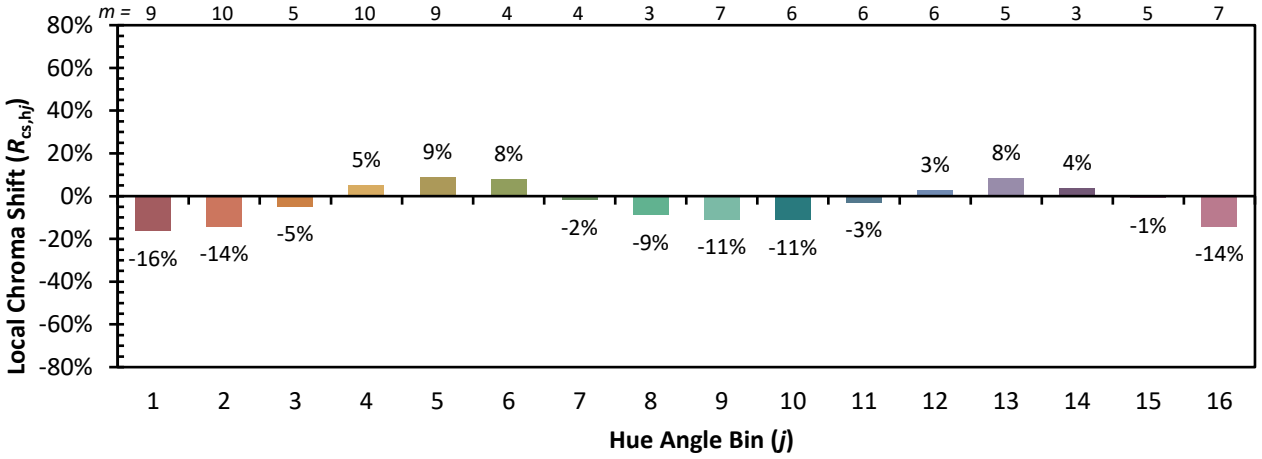
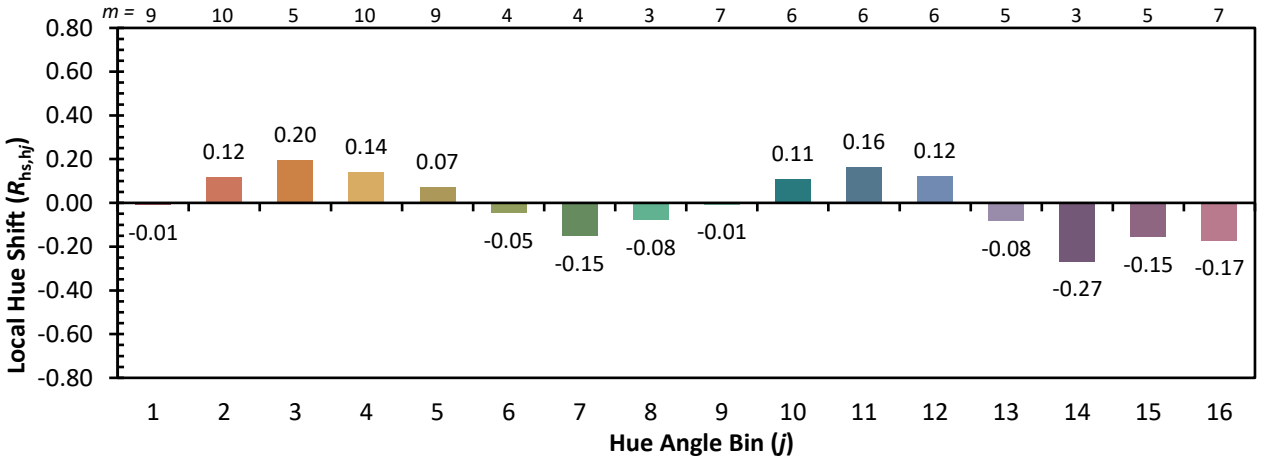
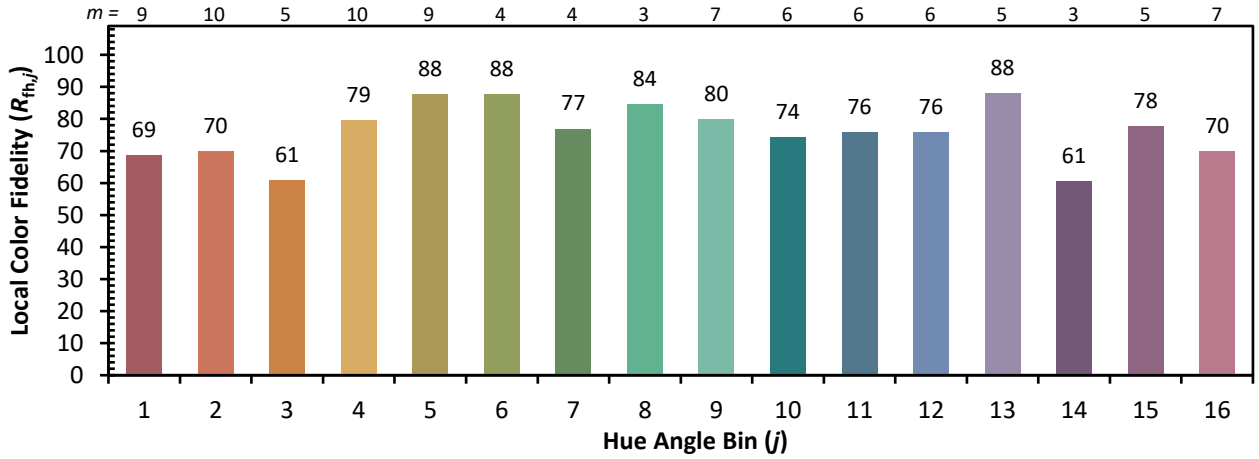
Color Rendition by Hue-Angle Bin







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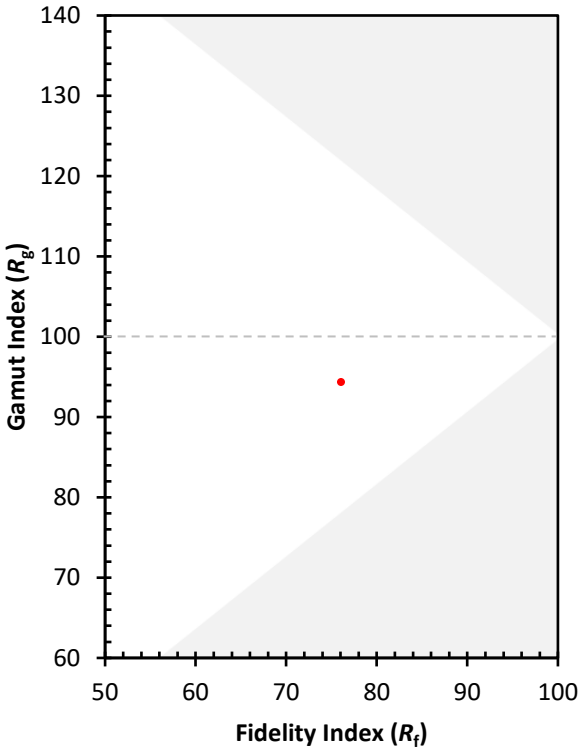
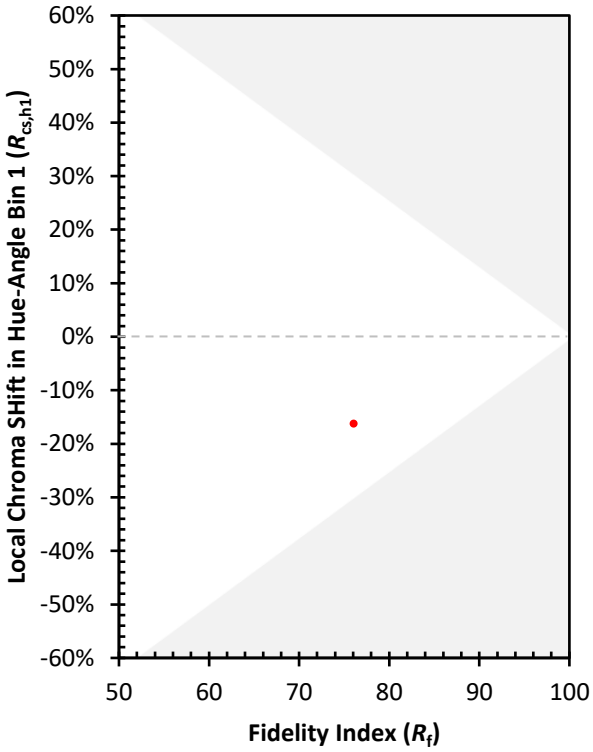
Measure Comparisons





(END OF REPORT)