

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: P856397

Luminaire Tested: **FFX-CLB-20-730-U-VM9**

Issue Date: 07/16/2024

Test Information

Test Method: LM-79-08
Report Number: P856397
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-20-730-U-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

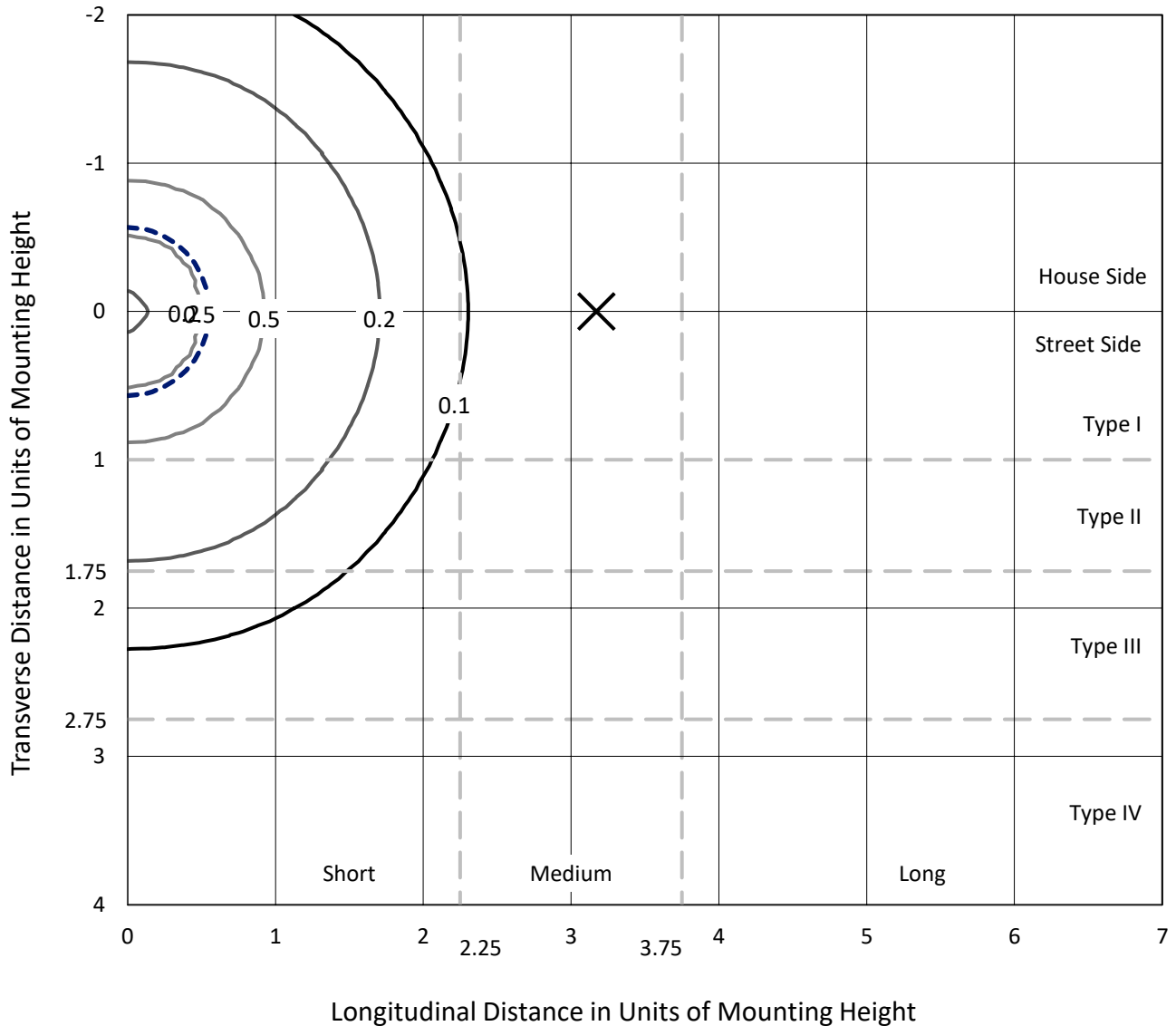
Lumens per Lamp: N/A
Luminaire Lumens: 3167.1 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B1 - U4 - G2

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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Iso-Footcandle Lines of Horizontal Illumination

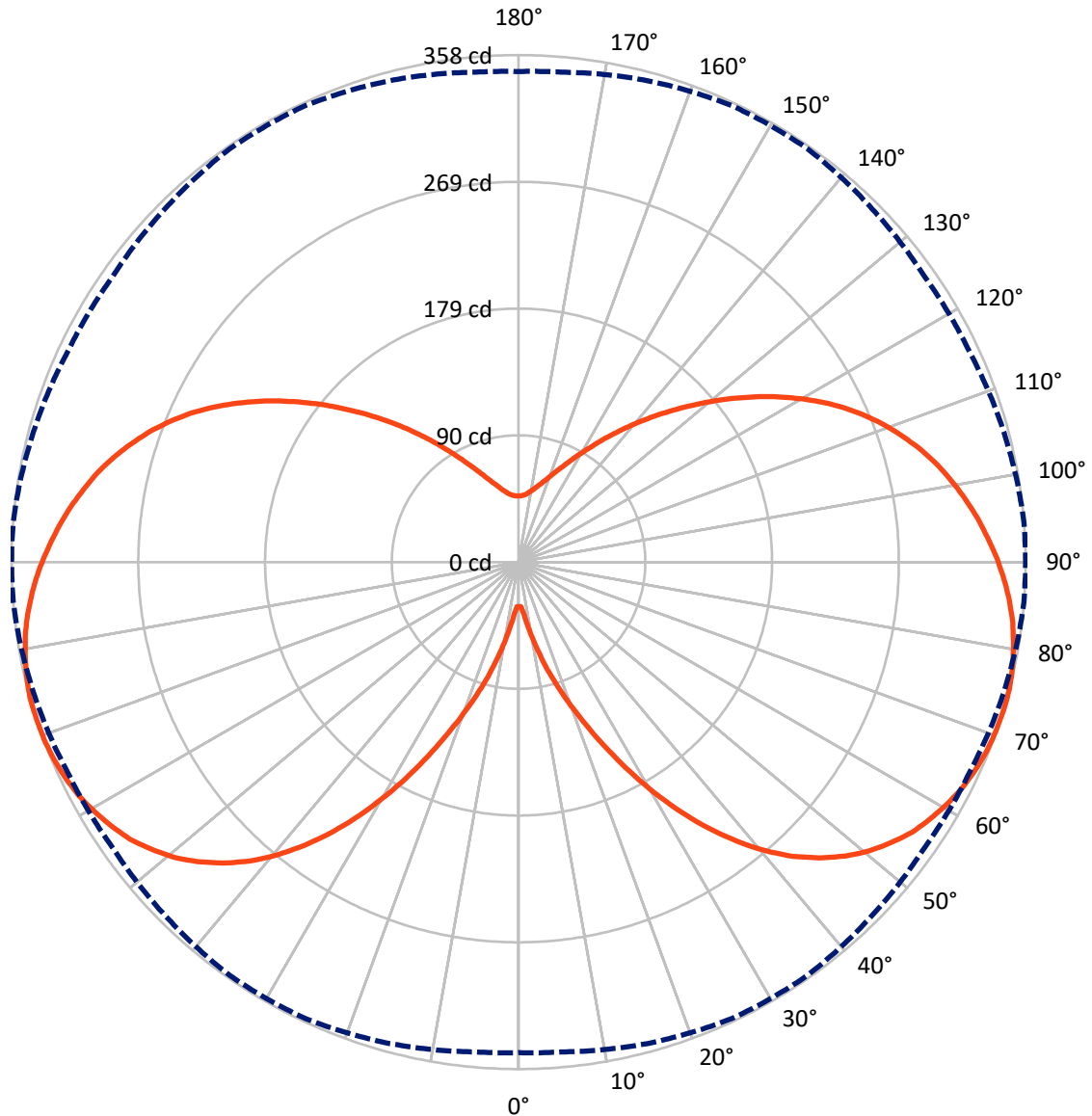
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.6 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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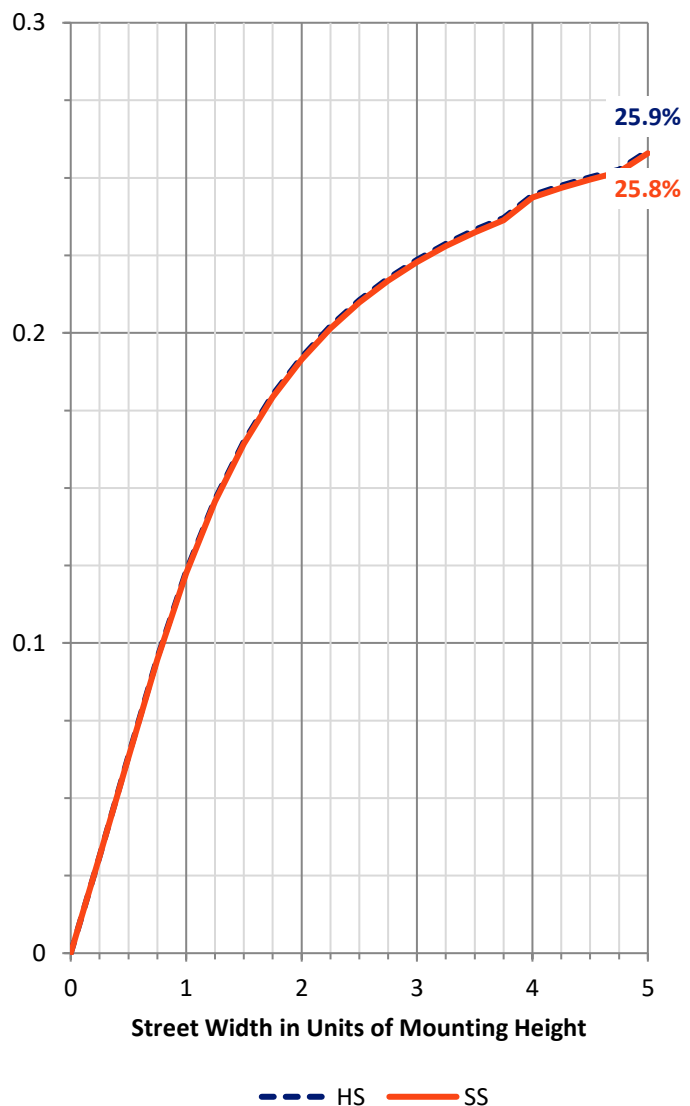
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	927.6	655.9	1583.6
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	927.6	655.9	1583.6
	% Fixture	29.3	20.7	50.0
Total	Lumens	1855.3	1311.9	3167.1
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	23.8	0.8
20°-30°	68.7	2.2
30°-40°	142.8	4.5
40°-50°	226.6	7.2
50°-60°	297.5	9.4
60°-70°	346.9	11.0
70°-80°	372.6	11.8
80°-90°	372.4	11.8
90°-100°	348.6	11.0
100°-110°	305.9	9.7
110°-120°	246.0	7.8
120°-130°	176.7	5.6
130°-140°	113.5	3.6
140°-150°	65.9	2.1
150°-160°	34.6	1.1
160°-170°	16.1	0.5
170°-180°	4.6	0.1
0°-90°	1855.3	58.6
0°-180°	3167.1	100.0

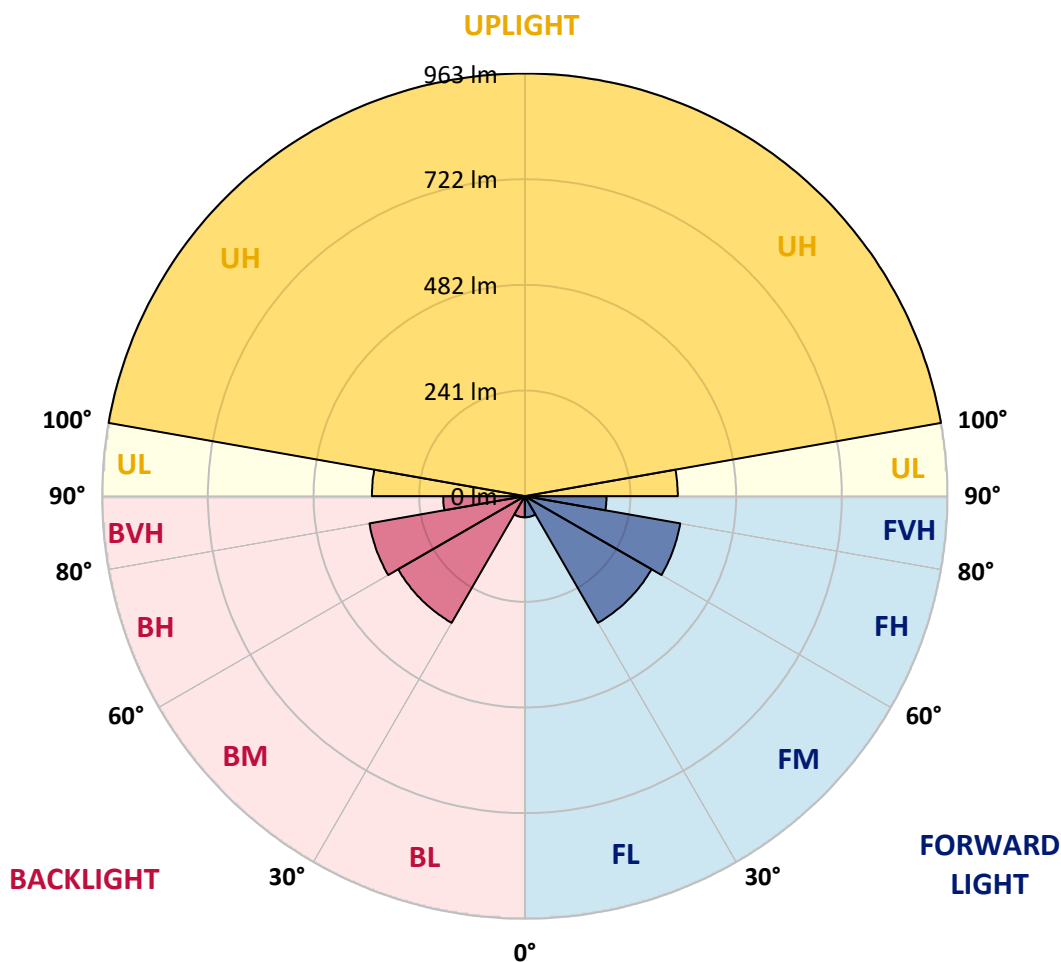


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	48.2	1.5			
FM (30°-60°)	333.5	10.5			
FH (60°-80°)	359.7	11.4			G0/660
FVH (80°-90°)	186.2	5.9			G2/225
BL (0°-30°)	48.2	1.5	B0/110		
BM (30°-60°)	333.5	10.5	B1/1000		
BH (60°-80°)	359.7	11.4	B1/500		G0/660
BVH (80°-90°)	186.2	5.9			G2/225
UL (90°-100°)	348.6	11.0		U3/500	
UH (100°-180°)	963.3	30.4		U4/1000	

BUG Rating: B1-U4-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	32.6	32.6	32.4	32.4	32.2	32.0	32.0	31.8	31.6	31.6	31.6
5°	36.3	36.1	36.1	36.1	36.1	35.9	36.1	35.9	35.9	35.9	35.9
7.5°	44.2	44.0	44.0	44.0	44.2	44.2	44.4	44.6	44.8	44.8	44.8
10°	54.6	54.4	54.4	54.2	54.6	54.6	54.8	54.4	55.0	55.0	55.2
12.5°	66.9	66.7	66.7	66.5	66.9	66.7	67.1	66.7	67.7	67.3	67.3
15°	80.1	80.1	79.9	79.7	80.3	80.3	80.7	80.7	81.3	80.9	81.1
17.5°	94.2	94.0	94.0	93.8	94.4	94.4	94.4	94.8	95.6	94.8	95.4
20°	109.3	109.1	109.1	108.9	109.5	109.5	109.9	110.1	110.9	110.3	110.7
22.5°	125.6	125.4	125.4	125.4	126.2	126.4	126.4	127.0	128.0	127.0	127.8
25°	143.7	143.5	143.5	144.1	144.7	144.9	145.4	146.2	147.2	146.2	147.2
27.5°	163.1	162.9	163.3	164.1	164.7	165.1	165.7	165.9	167.4	166.4	167.8
30°	183.1	182.9	183.3	184.3	185.1	186.3	186.3	186.9	189.0	187.6	189.0
32.5°	202.8	202.6	203.3	204.5	205.7	206.9	207.1	207.9	210.0	209.0	210.4
35°	222.4	222.2	223.0	224.7	225.9	227.1	227.5	228.3	230.6	229.6	231.0
37.5°	241.0	241.0	241.8	243.6	245.0	246.7	246.5	247.5	249.5	248.9	250.3
40°	258.3	258.3	259.3	261.6	263.2	264.2	264.0	265.0	267.3	267.1	268.3
42.5°	274.0	274.0	275.4	277.7	279.3	279.9	279.9	280.9	283.4	283.2	284.4
45°	287.2	287.9	289.5	291.9	293.4	294.0	293.6	294.6	297.2	297.2	298.3
47.5°	299.5	300.3	301.9	304.4	305.4	306.0	305.6	306.4	309.1	309.5	310.5
50°	310.1	310.7	312.7	315.4	316.4	316.4	315.8	316.6	319.5	320.3	321.1
52.5°	319.3	319.9	322.1	325.0	325.6	325.4	324.6	325.4	328.2	329.0	329.6
55°	326.6	327.2	329.9	332.7	333.3	332.7	331.5	332.5	335.2	336.4	337.4
57.5°	332.5	333.1	336.2	339.0	339.6	338.4	337.0	338.0	341.1	342.5	342.9
60°	337.4	338.0	341.3	344.3	344.7	343.3	341.7	342.7	345.8	347.4	347.8
62.5°	341.3	341.9	345.3	348.8	349.0	347.2	345.3	346.4	349.4	351.3	351.9
65°	343.9	344.5	348.4	351.9	352.3	350.0	348.2	349.2	352.1	354.3	354.7
67.5°	345.8	346.4	350.6	354.3	354.5	352.1	350.0	350.8	354.1	356.4	356.8
70°	346.6	347.2	351.7	355.5	355.7	353.1	350.6	351.7	354.9	357.6	358.0
72.5°	346.8	347.6	352.3	356.1	356.4	353.3	350.8	351.7	355.1	358.2	358.4
75°	346.0	347.0	351.9	355.9	355.9	352.5	349.8	350.6	354.5	357.8	358.4
77.5°	344.9	345.5	350.6	354.7	354.5	350.8	347.8	349.0	352.9	356.6	357.0
80°	342.7	343.5	348.6	352.5	352.1	348.0	345.1	346.4	350.4	354.3	354.7
82.5°	339.8	340.7	345.8	349.2	348.8	344.5	341.7	343.1	347.4	351.5	351.9
85°	336.4	337.2	342.1	345.3	344.7	340.5	337.6	338.8	343.5	347.6	348.0
87.5°	331.9	332.7	337.6	340.5	339.8	335.4	332.9	334.5	338.8	343.1	343.3
90°	326.8	327.8	332.1	334.7	333.9	329.9	327.6	329.2	333.5	337.6	338.0
92.5°	321.7	322.1	326.2	328.4	327.8	324.1	322.1	323.9	327.8	331.9	331.9
95°	315.6	316.2	319.9	321.7	321.1	318.0	316.2	318.2	321.7	325.6	325.8
97.5°	309.1	309.7	312.7	314.6	313.9	311.3	310.1	312.1	315.2	318.8	319.0
100°	302.1	302.5	305.2	306.8	306.2	304.2	303.3	305.4	308.2	311.7	311.7
102.5°	294.4	294.8	296.8	297.8	297.6	296.0	296.0	298.3	300.5	303.8	304.2
105°	286.2	286.6	288.1	288.7	288.5	287.9	288.3	290.5	292.3	295.2	295.6
107.5°	277.1	277.5	278.3	278.5	278.5	278.5	279.9	281.9	284.0	286.0	286.2
110°	267.3	267.5	268.1	267.9	267.9	268.3	270.3	272.6	274.2	276.2	276.4



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 CATALOG NUMBER: FFX-CLB-20-730-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	256.7	256.9	257.3	256.5	256.7	257.5	260.1	262.6	263.6	265.6	265.6
115°	245.5	245.2	245.7	244.6	244.4	245.9	248.7	251.6	252.4	253.8	254.0
117.5°	233.2	233.4	233.2	232.0	231.8	233.8	236.5	239.1	240.2	241.8	241.4
120°	220.6	220.4	220.6	219.2	218.9	221.2	223.8	226.5	227.1	228.5	228.1
122.5°	207.7	207.5	207.3	205.9	205.9	207.7	211.0	213.6	213.2	214.9	214.7
125°	194.5	194.5	194.1	192.7	192.7	194.9	197.5	200.0	199.6	201.4	200.8
127.5°	181.4	181.4	181.0	179.8	179.8	181.8	184.3	186.7	186.1	187.8	187.1
130°	168.6	168.6	168.2	167.0	167.0	168.6	171.2	173.3	172.5	173.9	173.7
132.5°	156.4	156.2	156.0	154.7	154.9	156.6	158.6	160.4	159.6	161.3	160.6
135°	144.5	144.3	144.1	142.9	143.1	144.7	146.6	148.0	147.4	148.4	148.2
137.5°	133.3	133.1	132.9	131.9	132.1	133.3	135.2	136.4	135.6	137.0	136.4
140°	122.7	122.5	122.1	121.5	121.7	122.9	123.9	125.4	124.6	125.8	125.2
142.5°	112.5	112.5	112.1	111.5	111.7	112.9	113.8	114.8	114.0	115.0	114.6
145°	103.2	103.2	102.7	102.3	102.3	103.4	104.0	105.0	104.2	105.2	104.8
147.5°	94.6	94.6	94.2	93.8	93.8	94.8	95.2	96.0	95.2	96.0	95.6
150°	86.6	86.6	86.4	86.0	86.2	86.6	87.0	87.7	87.0	87.7	87.5
152.5°	79.7	79.7	79.5	79.3	79.1	79.7	79.9	80.5	79.9	80.5	80.1
155°	73.6	73.4	73.4	73.0	73.0	73.4	73.6	74.0	73.4	74.0	73.8
157.5°	68.1	68.1	67.9	67.7	67.7	67.9	68.1	68.3	67.9	68.5	68.1
160°	63.4	63.4	63.2	63.0	63.0	63.2	63.2	63.4	63.0	63.4	63.2
162.5°	59.3	59.3	59.1	59.1	58.9	59.1	59.3	59.3	59.1	59.3	59.1
165°	56.1	56.1	55.9	55.7	55.7	55.9	55.9	56.1	55.7	55.9	55.9
167.5°	53.0	53.0	53.0	52.8	52.6	52.8	52.8	52.8	52.6	52.8	52.8
170°	50.8	50.8	50.8	50.6	50.4	50.6	50.6	50.6	50.4	50.6	50.6
172.5°	48.9	48.9	48.9	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
175°	47.7	47.7	47.7	47.7	47.5	47.7	47.7	47.7	47.7	47.7	47.5
177.5°	47.1	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
180°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-4

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5.

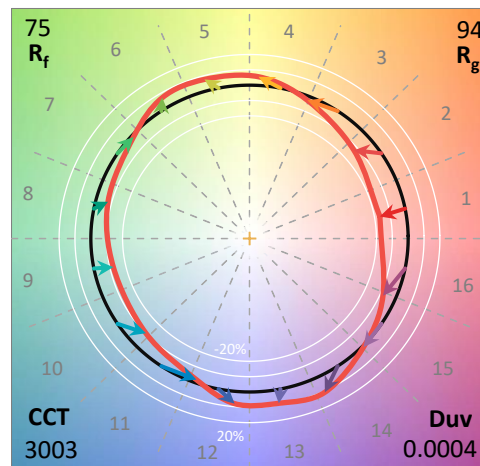
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-4
 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-100-730-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3003
 CIE u': 0.2503
 CIE v': 0.5219
 Duv: 0.0004
 CIE x: 0.4373
 CIE y: 0.4053
 CIE z: 0.1573
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 52.93545
 Rf: 75.2
 Rg: 93.8

CRI (Ra):	71.9		
R1:	68.2	R9:	-33.7
R2:	82.2	R10:	59.0
R3:	93.9	R11:	62.4
R4:	67.6	R12:	48.5
R5:	67.2	R13:	70.8
R6:	75.3	R14:	96.6
R7:	77.6	R15:	60.0
R8:	43.1		



Test Conditions

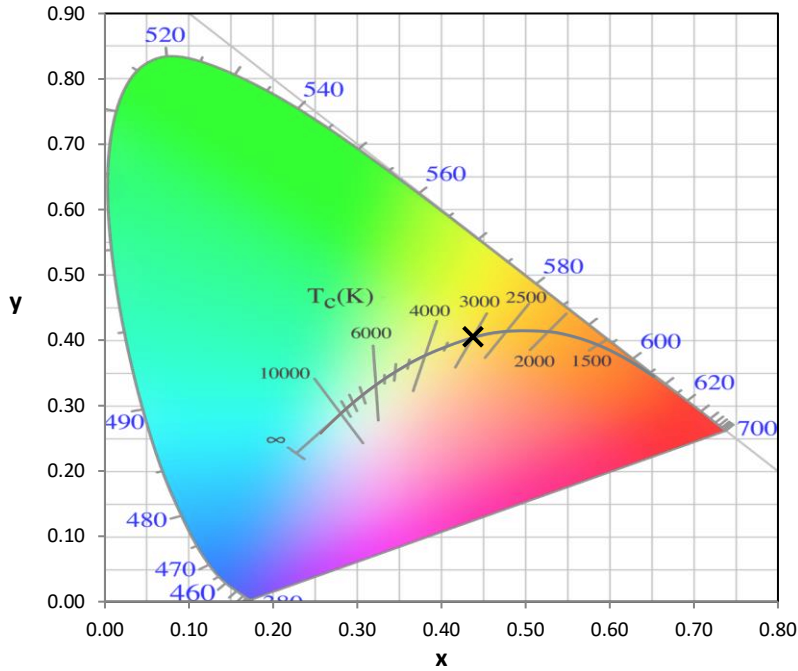
Stabilization Time: 0.794393M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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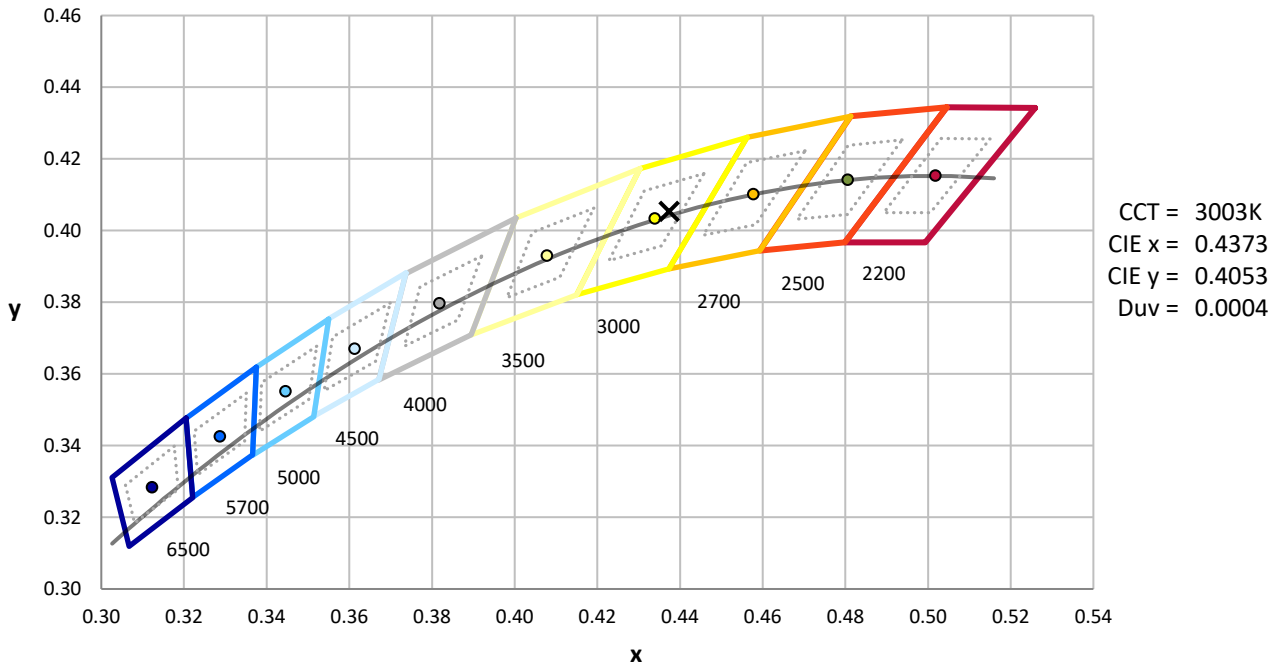
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



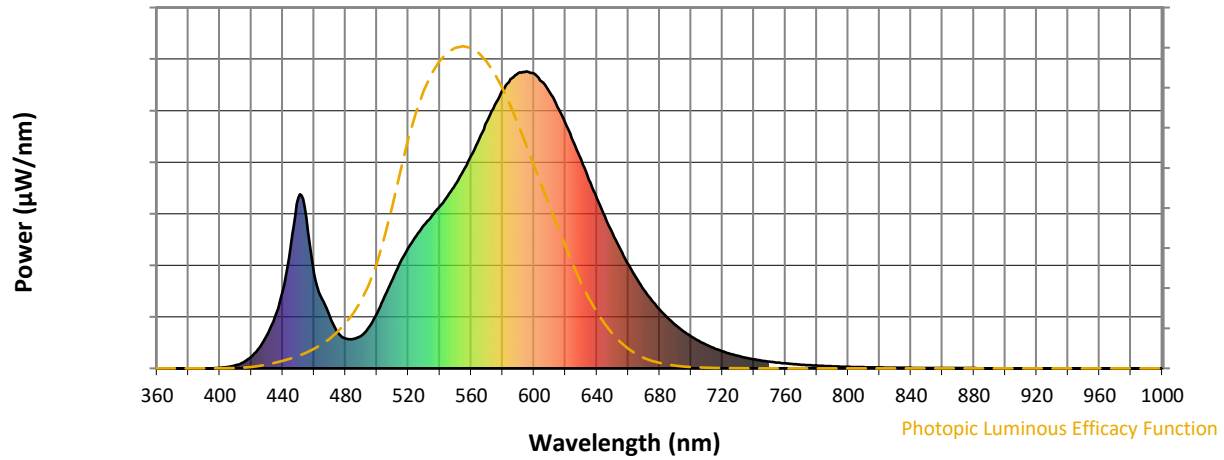
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

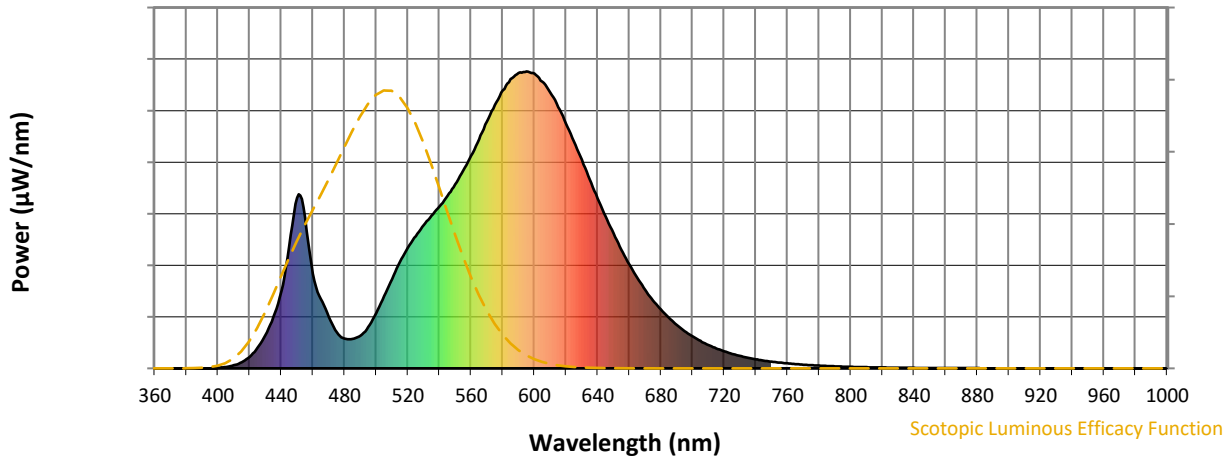


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



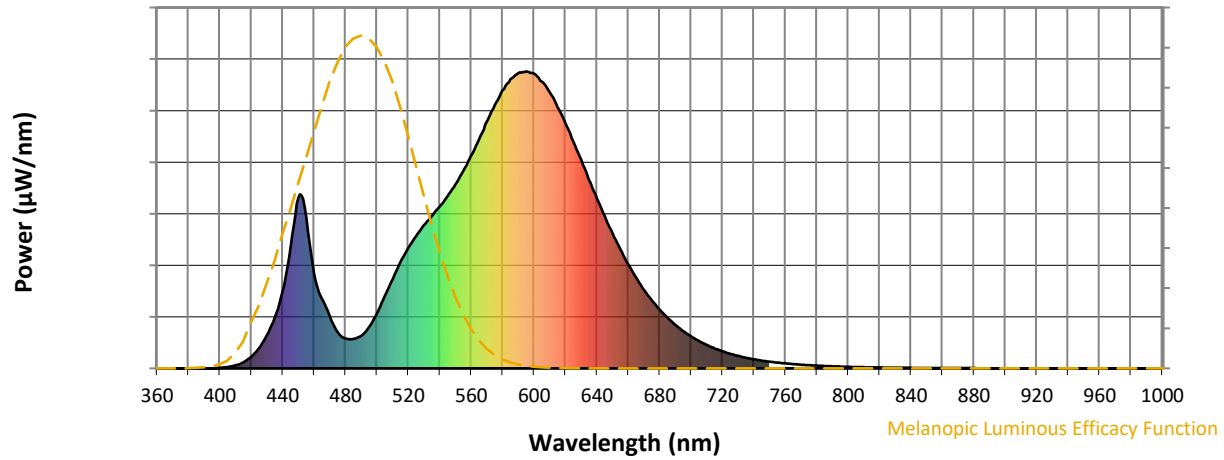
Scotopic Lumens: NR

S/P: 1.21

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

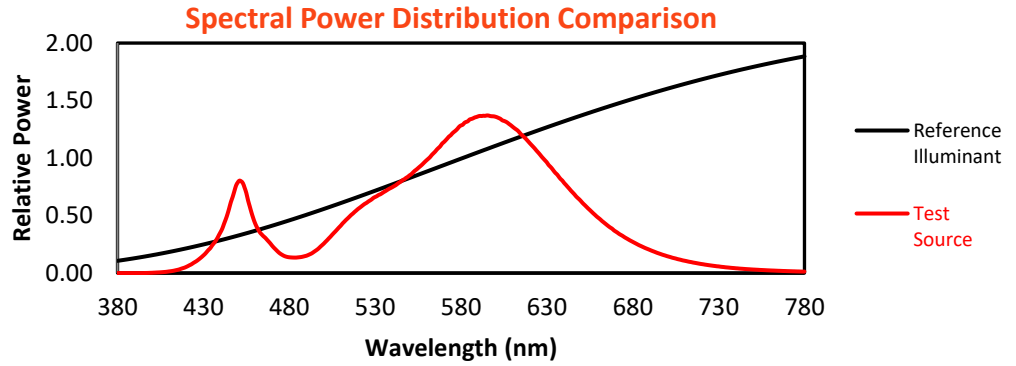
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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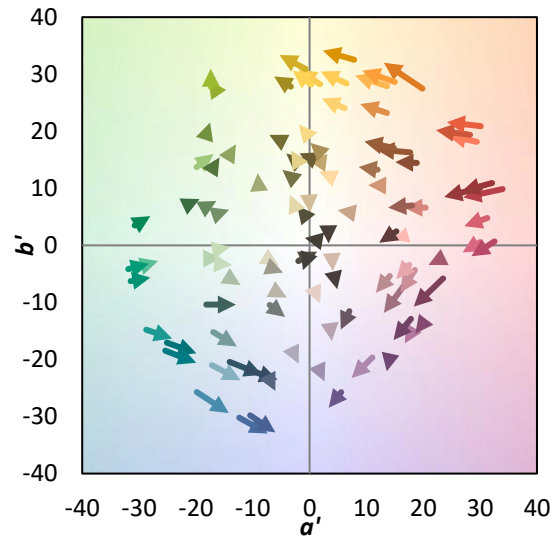
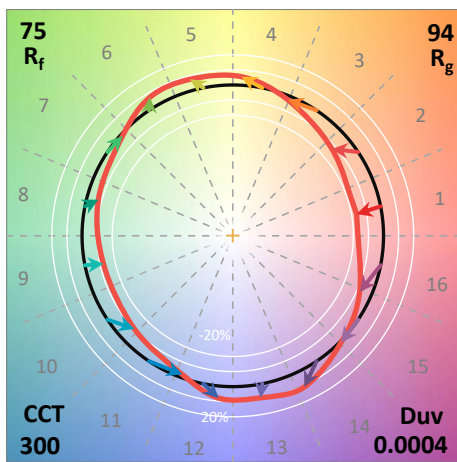
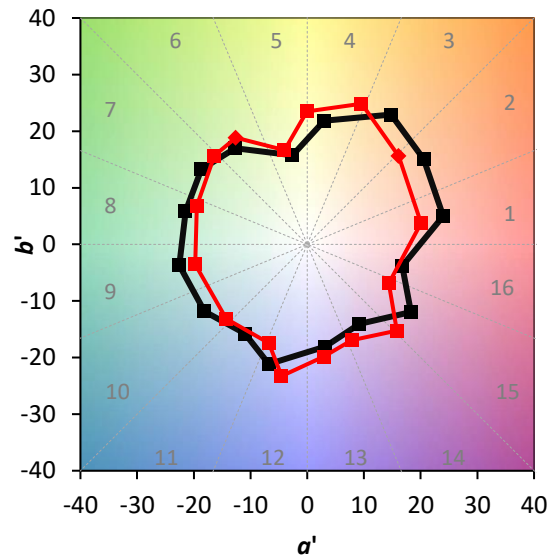
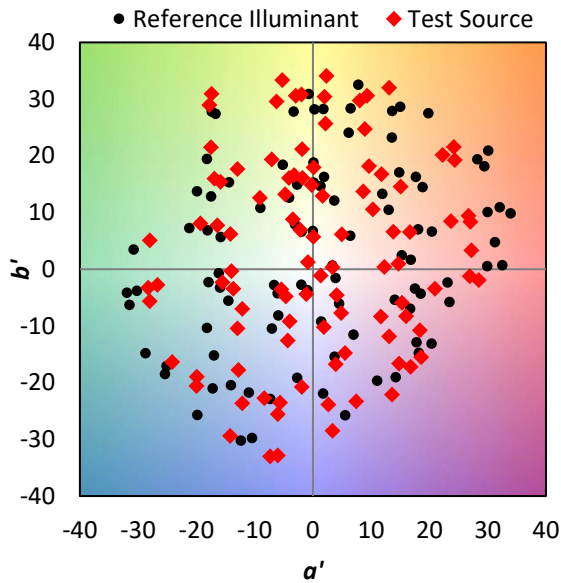
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Summary

$R_f = 75.2$
 $R_g = 93.8$
 CIE $R_a = 71.9$
 $R_g = -33.7$



Color Vector Graphics

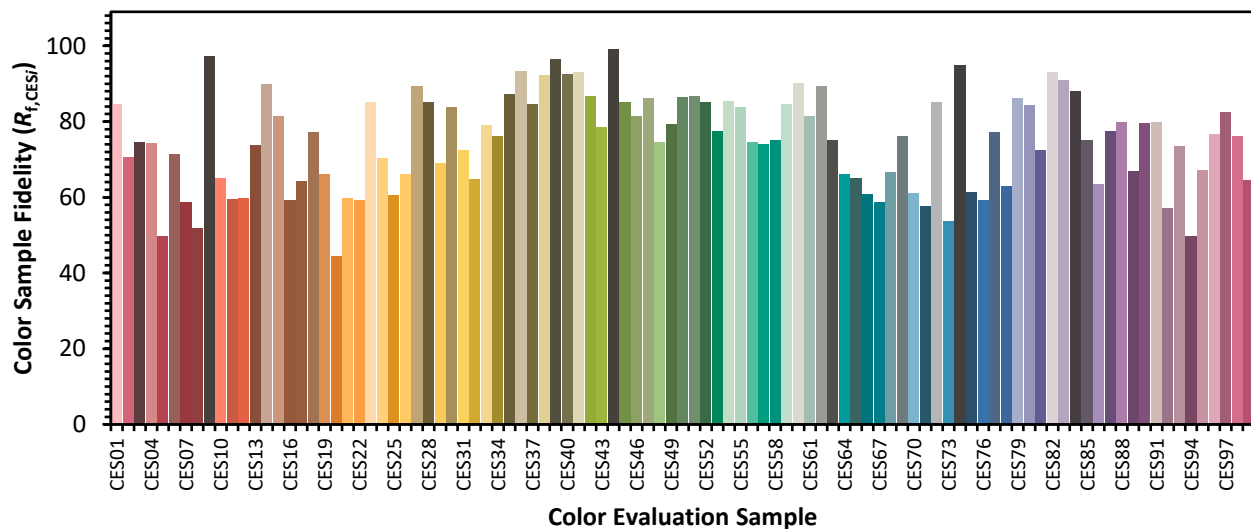


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Individual Sample Fidelity Index ($R_{f,i}$)

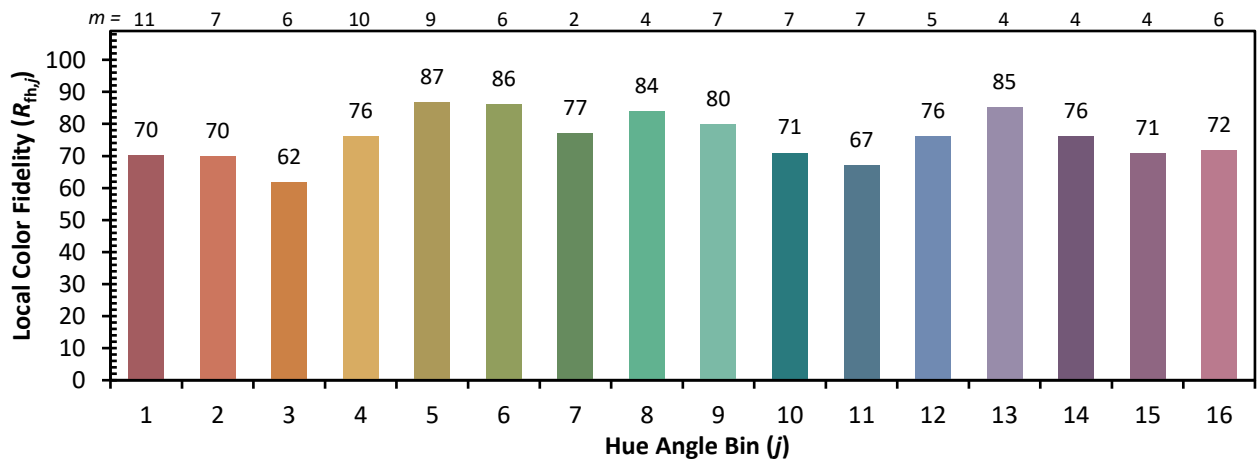
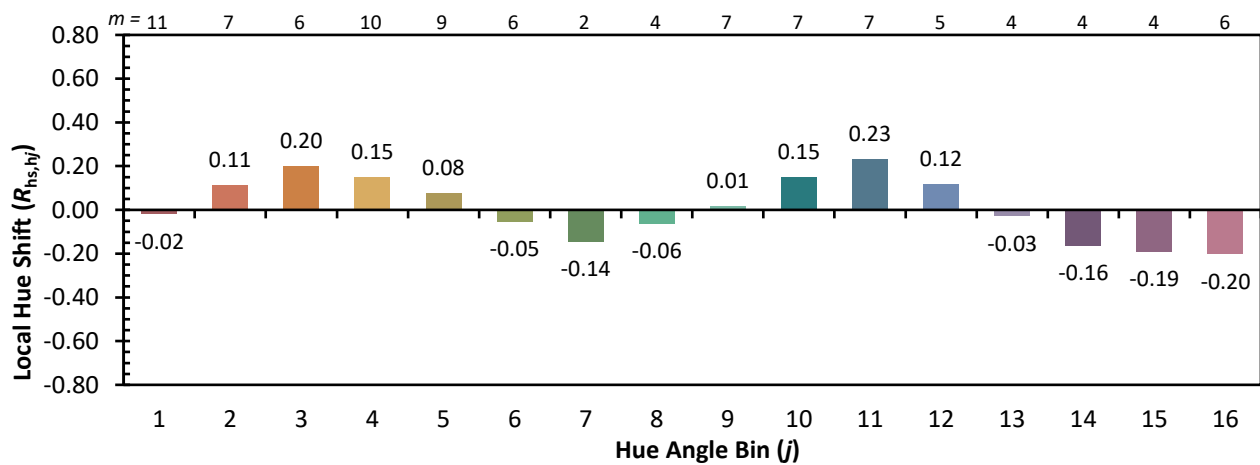
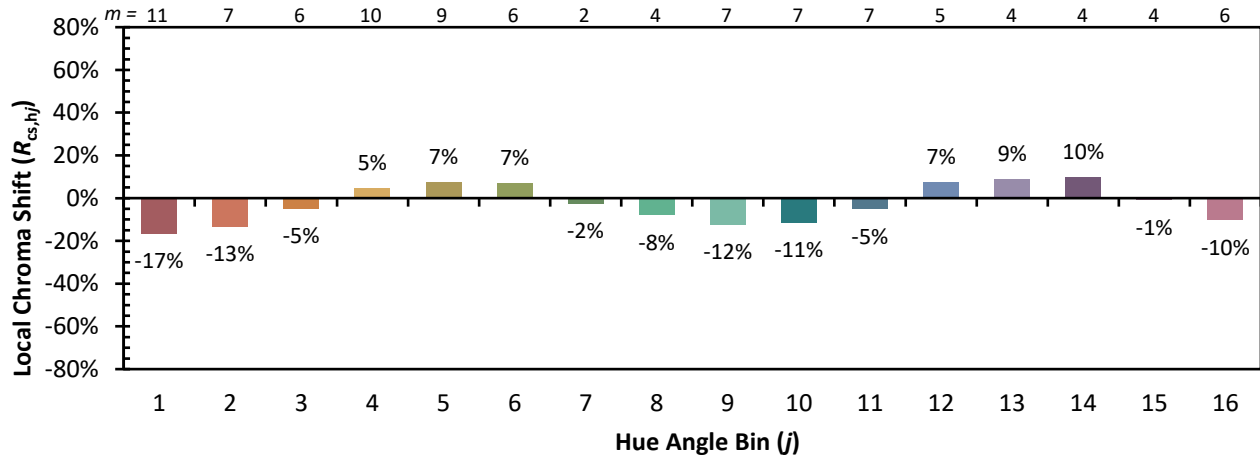
CES01 = 86	CES26 = 66	CES51 = 87	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 76	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 93	CES61 = 81	CES86 = 63
CES12 = 65	CES37 = 85	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 67
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 61	CES91 = 80
CES17 = 50	CES42 = 87	CES67 = 59	CES92 = 57
CES18 = 56	CES43 = 79	CES68 = 67	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 61	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 58	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 54	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 65
CES25 = 73	CES50 = 86	CES75 = 61	



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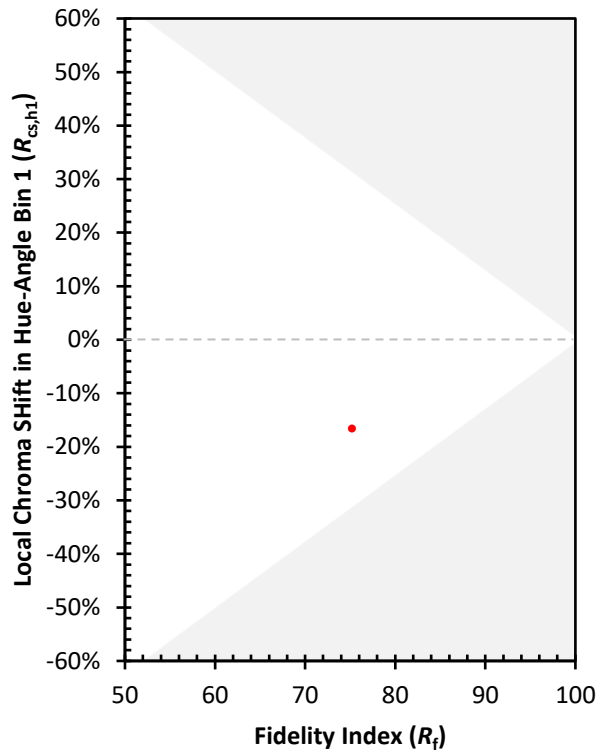
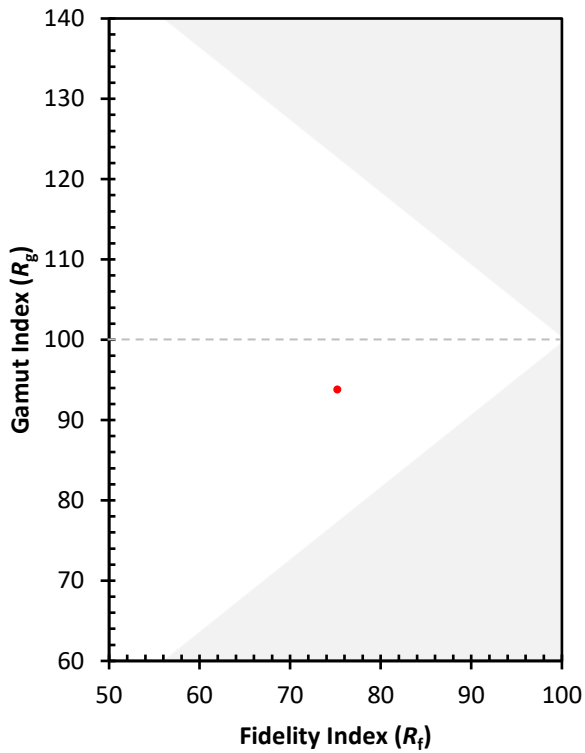
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)