

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: P856242

Luminaire Tested: **FFX-CLB-40-722-U-PG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856242
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-722-U-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

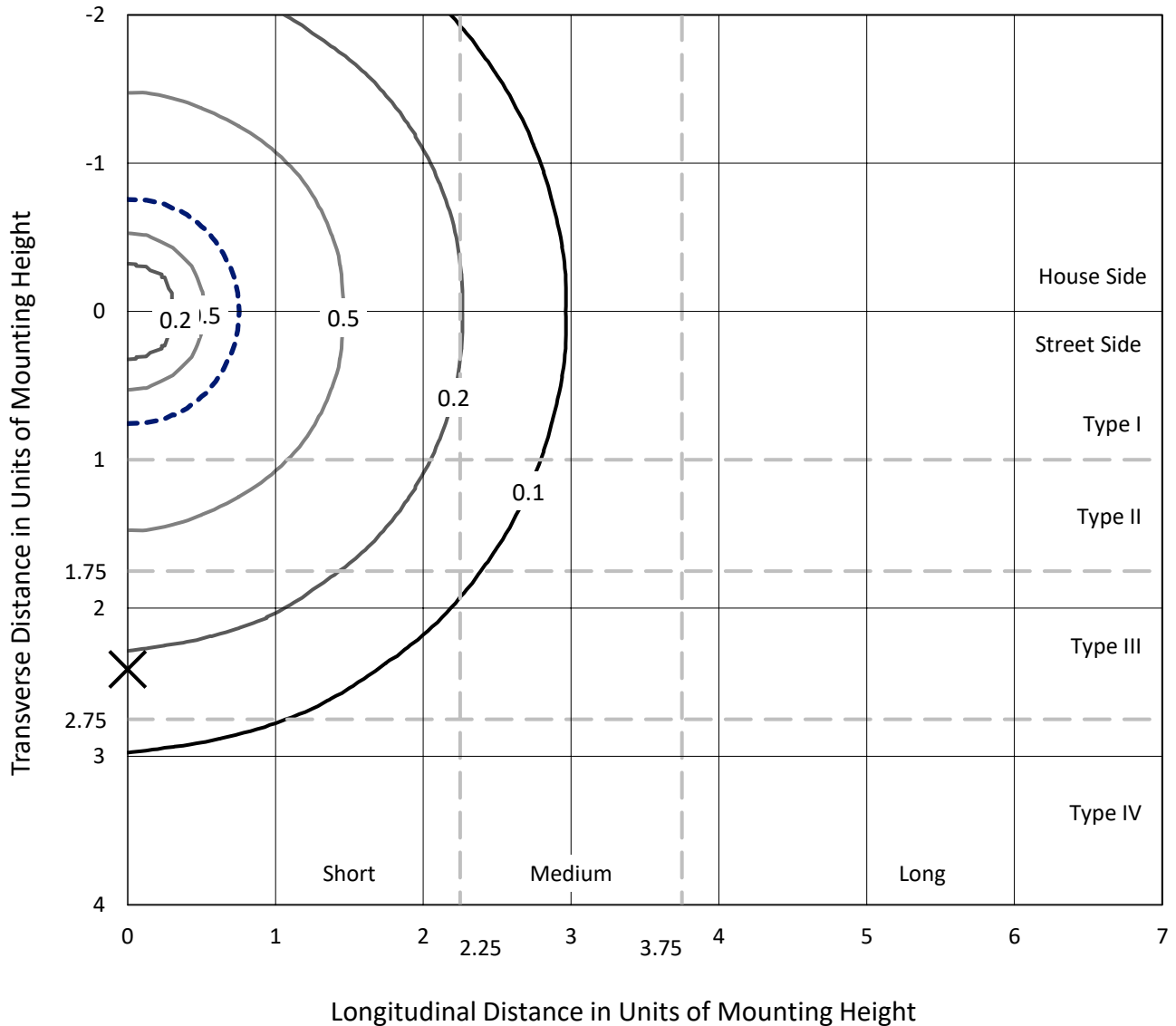
Lumens per Lamp: N/A
Luminaire Lumens: 5543.2 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 8.2%%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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 CATALOG NUMBER: FFX-CLB-40-722-U-PG

Iso-Footcandle Lines of Horizontal Illumination

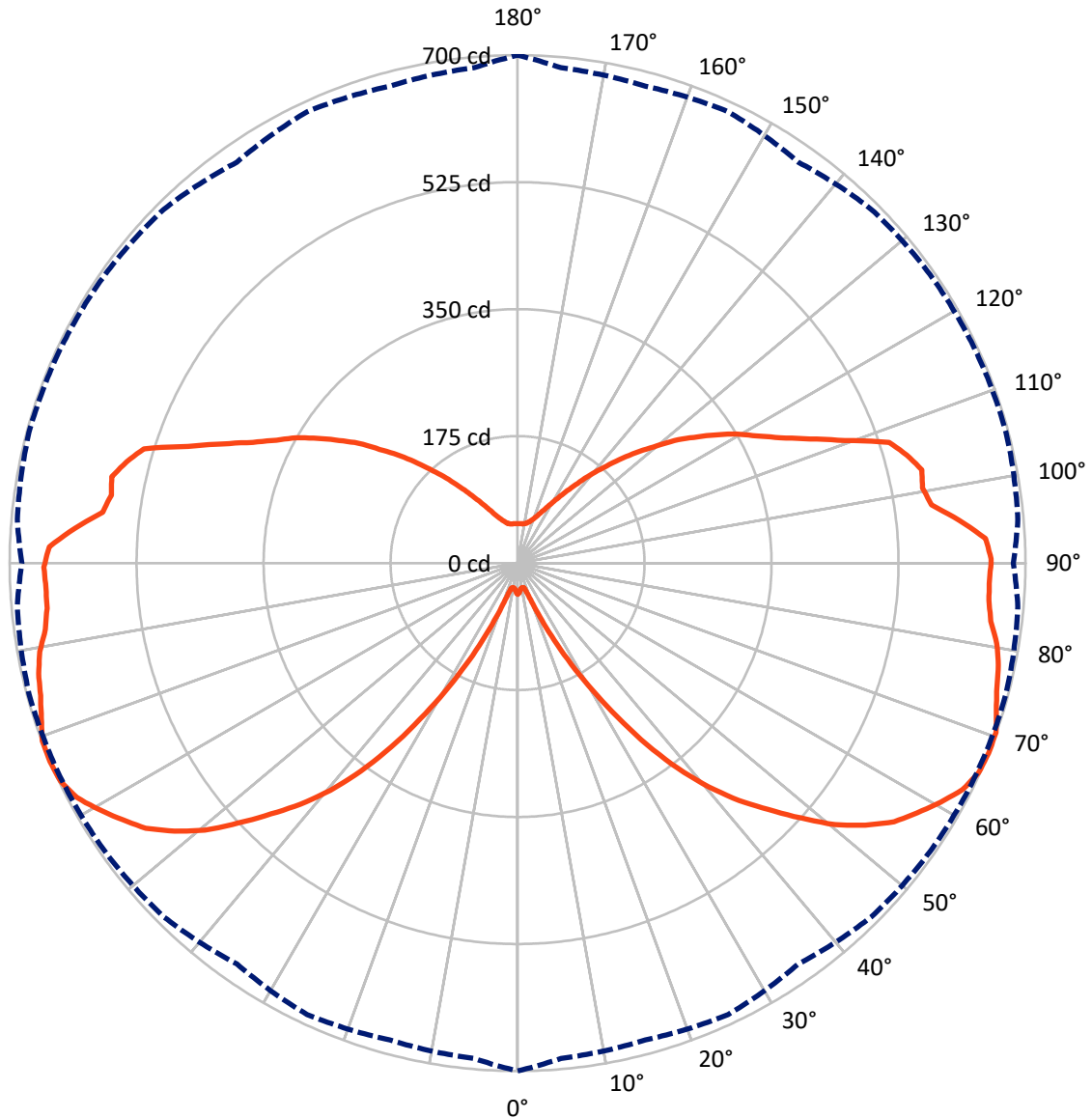
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.8 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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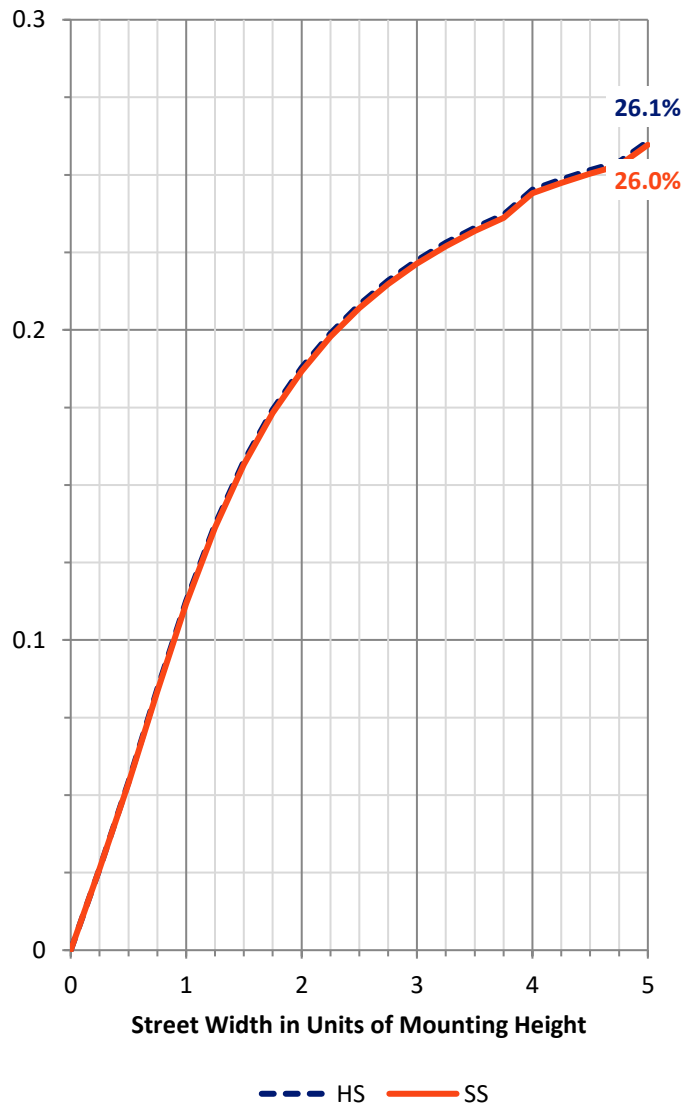
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1653.7	1117.9	2771.6
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	1653.7	1117.9	2771.6
	% Fixture	29.8	20.2	50.0
Total	Lumens	3307.4	2235.9	5543.2
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	11.8	0.2
20°-30°	59.2	1.1
30°-40°	194.5	3.5
40°-50°	376.2	6.8
50°-60°	556.7	10.0
60°-70°	676.8	12.2
70°-80°	714.5	12.9
80°-90°	714.0	12.9
90°-100°	667.9	12.0
100°-110°	594.2	10.7
110°-120°	406.4	7.3
120°-130°	273.0	4.9
130°-140°	158.5	2.9
140°-150°	78.0	1.4
150°-160°	36.1	0.7
160°-170°	16.6	0.3
170°-180°	5.2	0.1
0°-90°	3307.4	59.7
0°-180°	5543.2	100.0



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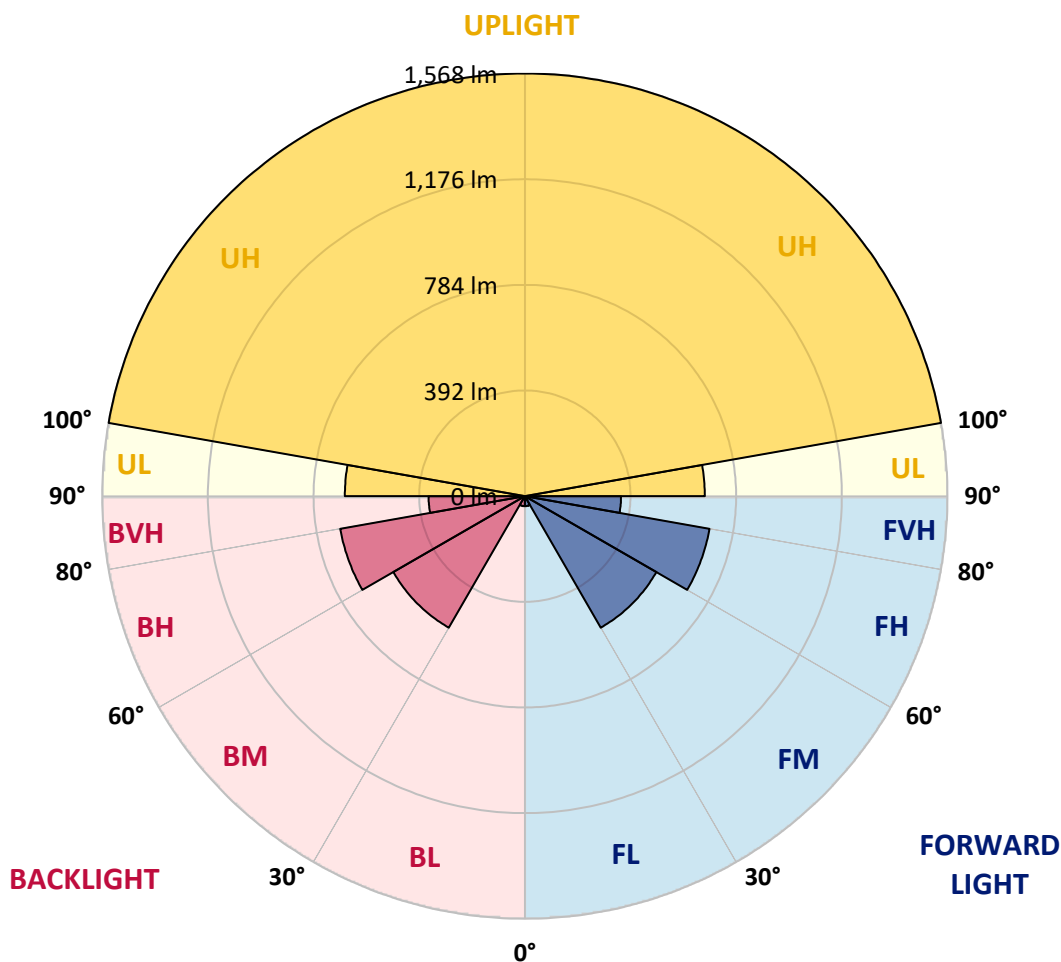
CATALOG NUMBER: FFX-CLB-40-722-U-PG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	37.3	0.7			
FM (30°-60°)	563.7	10.2			
FH (60°-80°)	695.7	12.5			G1/1800
FVH (80°-90°)	357.0	6.4			G3/500
BL (0°-30°)	37.3	0.7	B0/110		
BM (30°-60°)	563.7	10.2	B1/1000		
BH (60°-80°)	695.7	12.5	B2/1000		G1/1800
BVH (80°-90°)	357.0	6.4			G3/500
UL (90°-100°)	667.9	12.0		U4/1000	
UH (100°-180°)	1568.0	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°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	41.3	40.9	40.6	40.2	40.6	40.9	41.6	42.0	42.0	42.0	42.0
5°	37.4	37.8	38.1	38.5	38.5	38.5	38.5	38.8	39.2	39.2	39.2
7.5°	35.3	35.3	35.7	36.7	37.1	36.7	36.7	37.1	36.0	35.0	34.6
10°	34.3	34.3	34.6	35.0	35.3	36.0	36.4	36.4	36.4	36.4	36.0
12.5°	34.6	34.3	34.6	35.0	35.7	36.0	35.3	35.3	36.0	36.7	37.1
15°	36.4	36.0	36.0	36.7	37.1	37.1	36.4	36.4	36.7	37.4	37.4
17.5°	44.1	43.4	43.0	43.4	43.0	43.4	43.0	43.7	43.7	43.4	43.0
20°	60.1	59.4	58.4	58.0	58.4	59.4	59.8	60.8	59.8	59.4	58.0
22.5°	85.3	84.3	83.6	83.6	84.6	85.3	85.0	86.4	85.7	85.3	83.9
25°	117.5	116.8	117.1	118.9	120.6	119.6	116.8	118.9	118.9	118.5	118.2
27.5°	157.7	155.3	156.3	160.8	162.2	159.4	156.3	158.7	159.8	160.1	160.1
30°	203.5	201.8	201.4	206.3	208.0	205.6	203.5	206.3	206.3	207.3	207.3
32.5°	253.2	252.1	250.4	253.2	256.0	255.3	255.3	257.4	256.7	257.7	258.1
35°	307.7	305.6	302.1	302.5	305.6	306.0	308.4	309.8	309.1	308.8	308.8
37.5°	359.1	356.3	353.2	351.4	355.3	354.9	360.5	360.5	359.1	359.5	359.5
40°	405.6	403.9	401.4	396.5	403.9	402.5	409.1	409.1	405.3	406.3	405.6
42.5°	447.2	447.2	444.4	437.1	444.8	443.4	452.1	452.1	446.9	446.5	445.5
45°	484.6	486.4	485.0	478.3	481.1	482.2	490.6	488.8	484.6	484.6	482.9
47.5°	524.8	526.6	521.7	514.7	517.9	519.6	527.3	526.6	524.1	521.0	521.0
50°	566.8	567.2	557.4	549.0	551.8	560.9	566.5	567.9	562.6	555.3	554.9
52.5°	600.0	602.1	592.7	583.6	585.7	596.2	602.5	602.8	596.2	585.7	588.8
55°	629.4	631.5	622.0	614.0	618.2	623.8	631.1	626.9	627.3	616.1	621.4
57.5°	649.3	656.3	640.6	638.8	642.7	649.3	652.5	651.4	653.5	643.0	644.8
60°	669.3	672.4	659.1	661.6	657.0	668.9	671.4	673.8	668.2	660.9	660.9
62.5°	688.1	680.4	671.0	676.9	664.7	679.7	682.5	685.3	679.4	672.4	673.8
65°	697.9	683.9	675.9	683.2	671.4	685.0	689.5	690.6	689.5	682.9	679.7
67.5°	700.0	685.3	680.4	686.4	674.5	689.5	693.7	695.8	696.9	692.0	683.2
70°	699.3	683.6	679.4	685.0	677.3	691.3	691.6	694.8	696.2	698.3	688.5
72.5°	689.9	676.2	675.2	680.1	673.1	682.2	682.5	686.4	684.3	690.9	686.0
75°	682.2	673.1	674.8	673.8	666.8	672.1	673.5	678.0	670.3	676.6	680.8
77.5°	677.3	672.4	676.6	671.0	663.7	667.2	669.3	674.5	663.0	668.2	680.4
80°	669.6	668.2	673.5	665.1	658.8	661.9	665.4	670.0	657.4	660.9	678.3
82.5°	657.0	658.1	663.0	653.2	649.0	652.5	656.7	663.7	650.7	652.8	671.4
85°	651.4	656.0	658.4	648.6	643.7	645.8	650.4	657.7	644.1	647.2	666.1
87.5°	650.7	656.3	658.1	649.7	645.5	648.6	650.7	661.2	646.5	650.4	669.6
90°	652.8	654.9	656.0	648.6	645.1	650.0	650.4	663.3	648.6	649.7	666.8
92.5°	645.8	646.2	648.3	641.6	641.3	644.8	644.1	654.9	638.8	636.4	651.1
95°	611.9	609.1	613.7	610.2	617.5	622.7	628.7	642.3	634.3	636.4	649.0
97.5°	575.9	576.6	578.0	572.4	571.3	573.4	575.9	582.9	580.4	582.5	594.4
100°	567.5	570.0	569.6	566.8	555.3	552.8	547.6	540.2	530.4	531.8	533.6
102.5°	571.7	578.3	579.4	583.2	583.2	581.5	585.3	582.2	583.9	594.1	588.5
105°	556.7	564.4	569.3	573.4	581.5	588.1	606.0	616.8	625.5	637.8	636.0
107.5°	538.5	542.3	545.8	545.8	543.7	542.7	552.5	554.2	551.8	554.9	555.3
110°	481.8	481.5	485.0	483.6	484.6	479.0	481.8	491.3	489.2	495.5	496.5



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 CATALOG NUMBER: FFX-CLB-40-722-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	437.8	437.8	440.2	436.7	437.1	432.5	434.3	440.6	440.9	446.2	449.0
115°	400.7	400.0	403.5	400.7	397.6	396.5	398.3	402.1	403.2	406.7	412.3
117.5°	373.1	369.6	372.4	372.7	374.1	371.3	375.5	378.0	379.4	382.2	386.7
120°	350.4	346.9	347.9	351.4	355.6	349.7	354.2	356.3	357.4	358.4	360.5
122.5°	324.5	322.0	321.0	328.0	330.4	325.2	327.6	330.8	332.5	334.3	336.0
125°	298.3	296.2	295.1	301.4	303.9	299.7	303.2	307.7	307.0	310.9	307.4
127.5°	274.5	273.8	272.4	275.5	277.3	276.9	280.1	285.7	283.2	286.7	282.9
130°	246.2	249.0	246.9	250.7	251.1	253.9	254.9	260.1	257.7	258.4	256.0
132.5°	223.1	224.1	223.1	224.5	225.5	225.5	228.3	233.9	230.1	229.7	227.6
135°	199.7	200.0	198.6	200.7	201.4	199.7	202.5	206.7	204.6	203.5	203.5
137.5°	176.6	176.2	176.6	177.3	178.0	177.6	179.0	182.2	181.5	180.1	181.8
140°	157.0	155.9	156.3	156.6	156.3	156.3	157.7	160.5	160.5	158.7	160.5
142.5°	137.4	137.1	137.1	137.1	137.1	137.8	139.2	139.9	140.6	139.2	138.8
145°	121.0	120.6	120.3	120.3	120.3	120.6	122.0	121.7	123.1	121.7	120.6
147.5°	106.3	106.6	105.9	105.6	105.2	106.3	106.6	107.3	108.0	107.3	106.3
150°	94.4	94.1	94.1	93.4	93.4	94.4	94.1	94.8	95.5	95.1	94.8
152.5°	83.9	83.9	83.9	83.2	83.6	84.3	84.3	84.3	85.0	85.0	84.6
155°	75.5	75.5	75.5	75.2	75.2	75.9	75.9	75.9	76.2	76.2	76.2
157.5°	69.2	69.2	68.9	68.9	68.9	69.2	68.9	68.9	69.2	69.2	69.2
160°	64.3	64.3	64.0	64.0	63.6	64.0	63.6	63.6	64.0	64.0	64.0
162.5°	60.5	60.5	60.1	60.1	60.1	60.1	60.1	59.8	59.8	60.1	59.8
165°	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.3	57.3	57.3	57.3
167.5°	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
170°	54.9	54.9	54.9	55.2	55.2	55.2	54.9	54.9	55.2	55.2	54.9
172.5°	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
175°	54.5	54.5	54.5	54.5	54.5	54.5	54.2	54.5	54.5	54.5	54.5
177.5°	54.5	54.2	54.2	54.5	54.5	54.2	54.2	54.2	54.2	54.2	54.2
180°	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5

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.

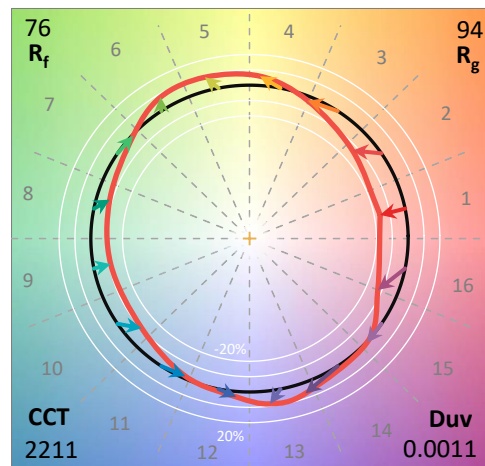
Test Information

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

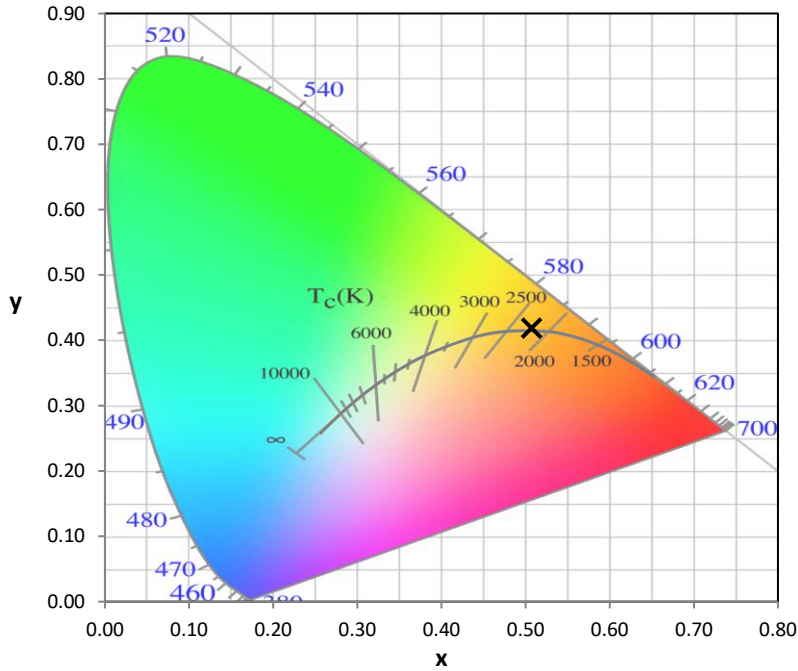
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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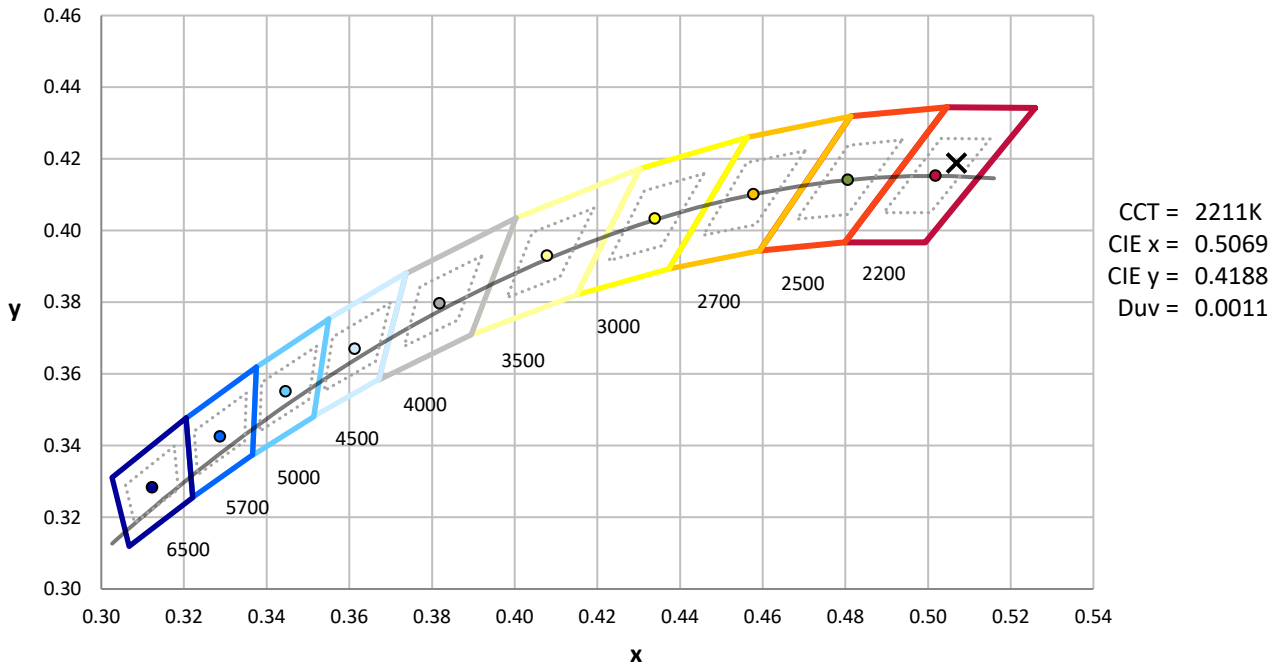
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



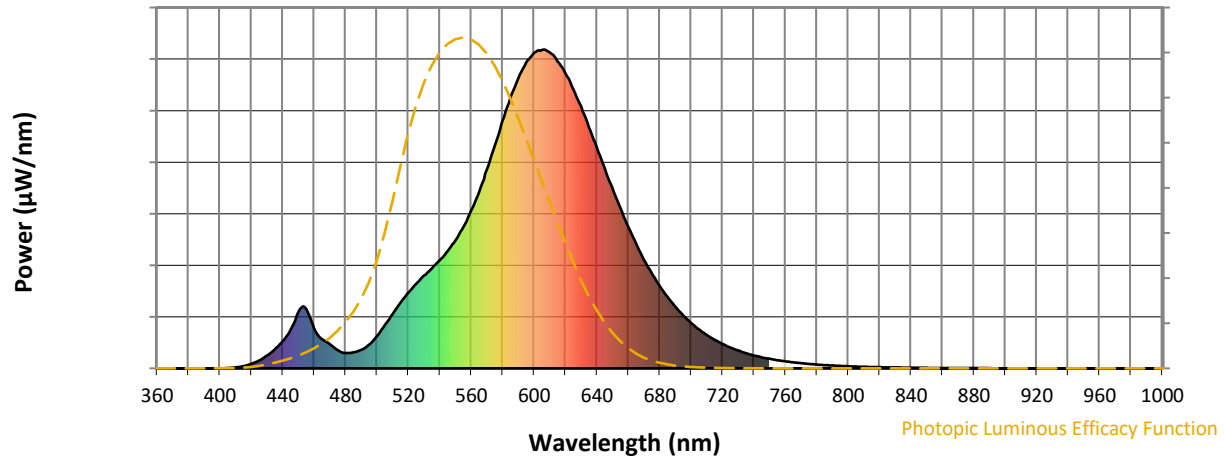
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

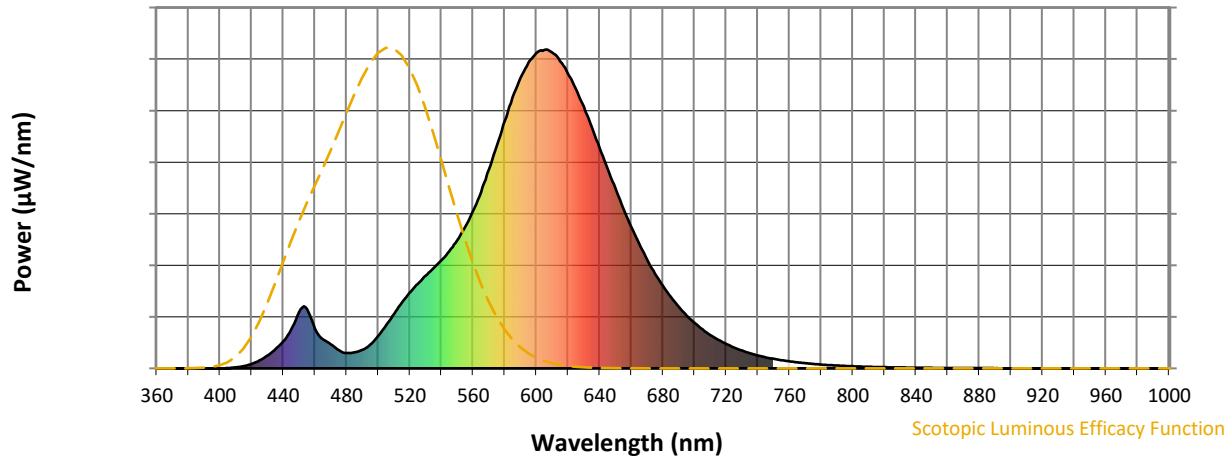


Photopic Lumens: NR

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



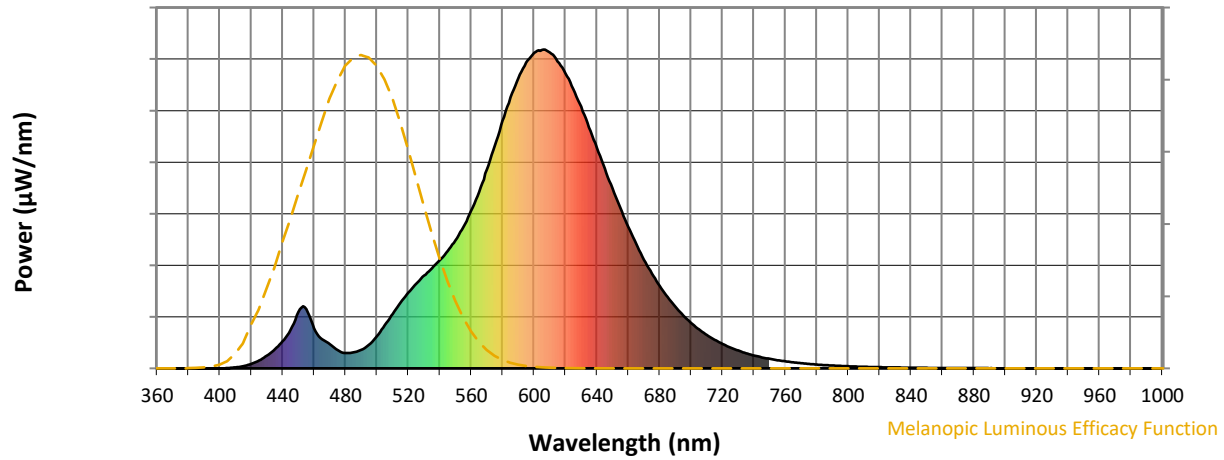
Scotopic Lumens: NR

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

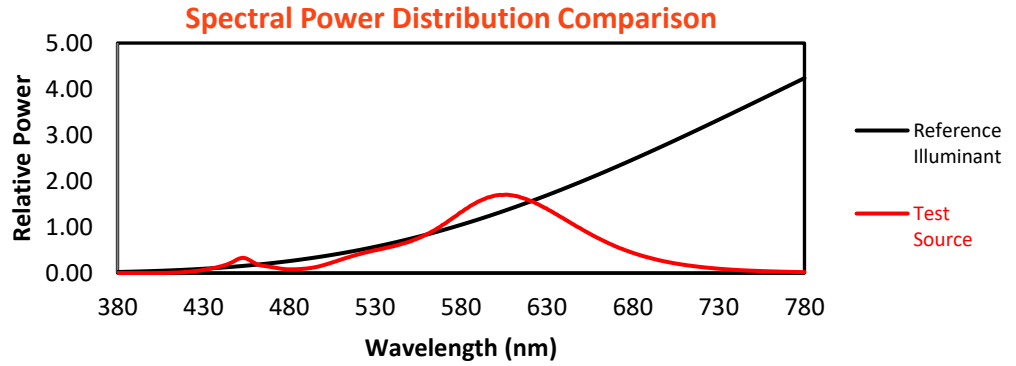
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR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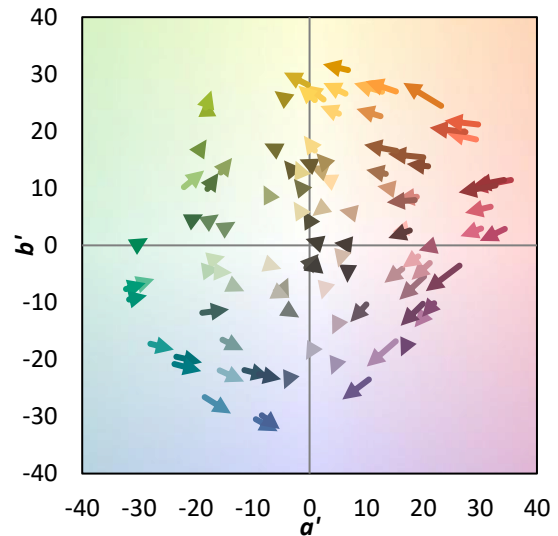
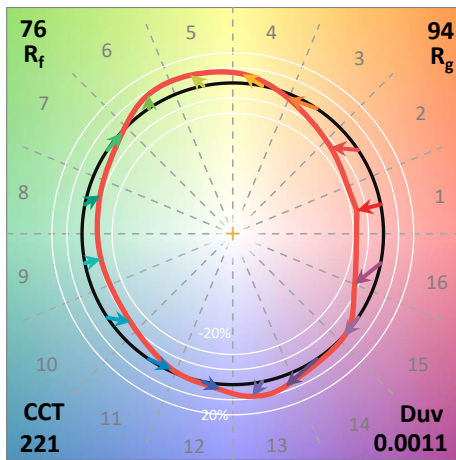
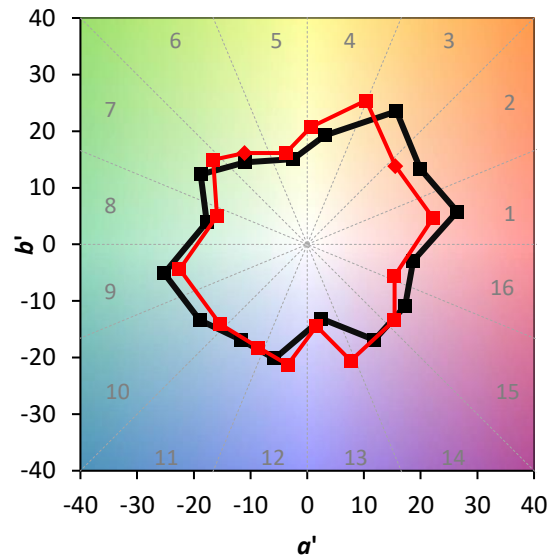
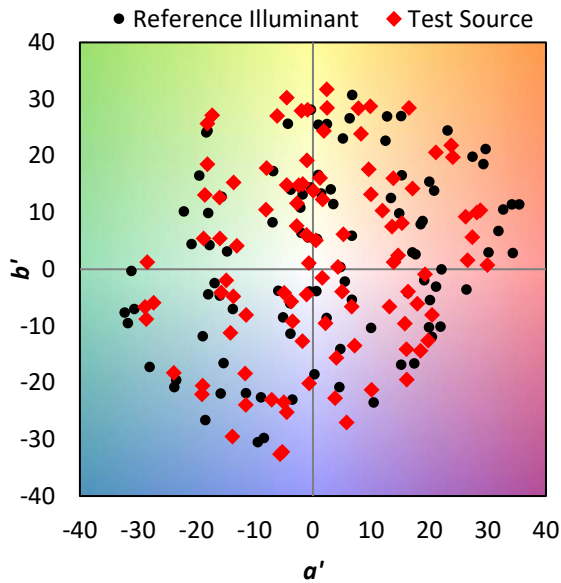
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Summary

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



Color Vector Graphics

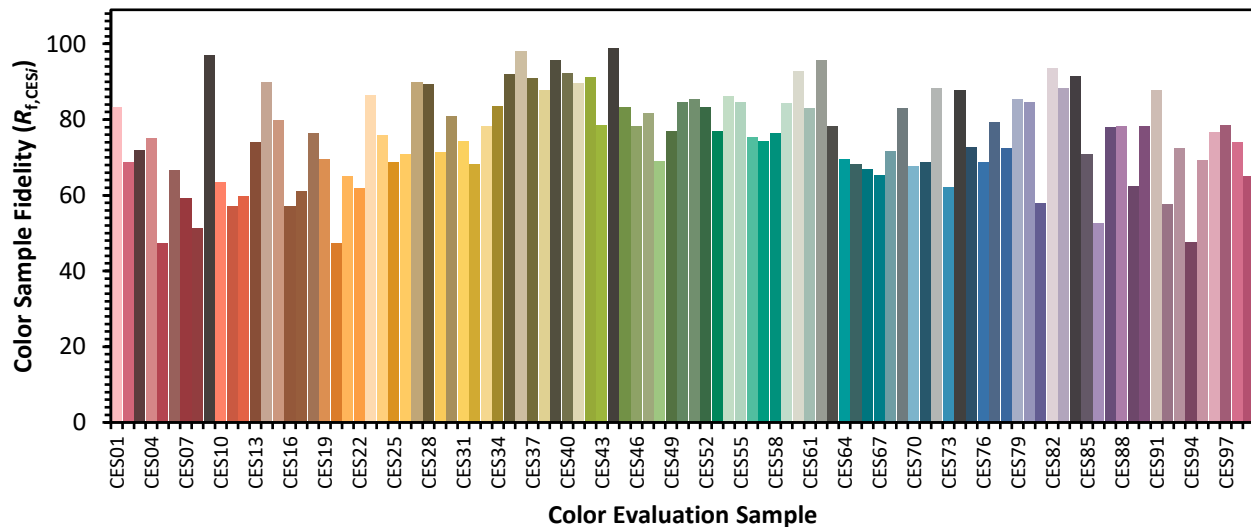


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Individual Sample Fidelity Index ($R_{f,i}$)

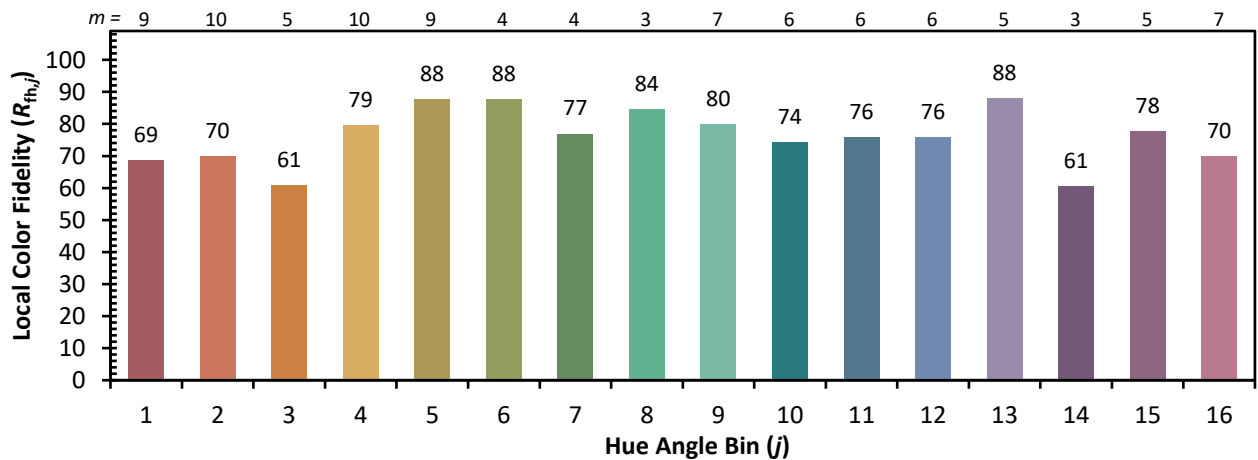
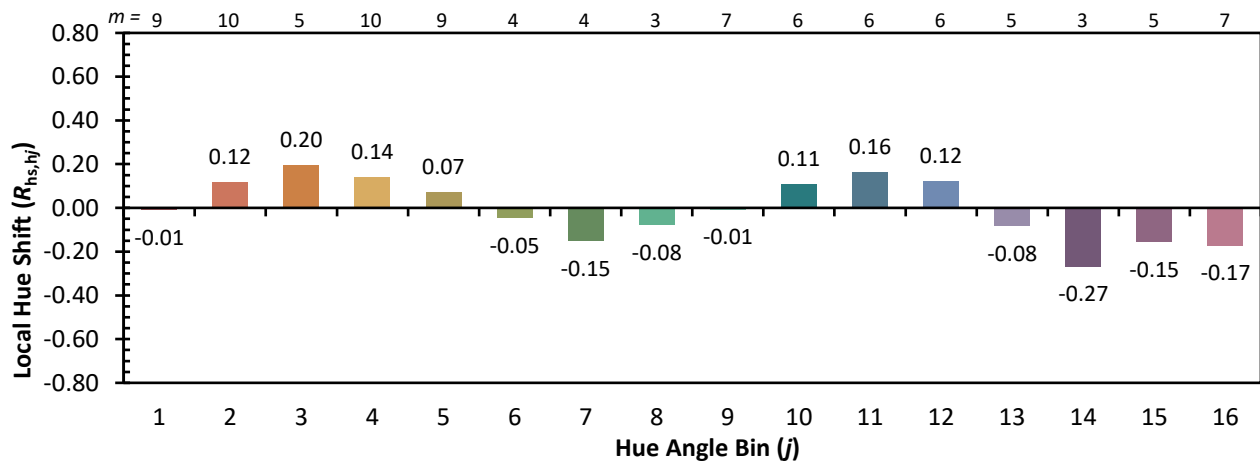
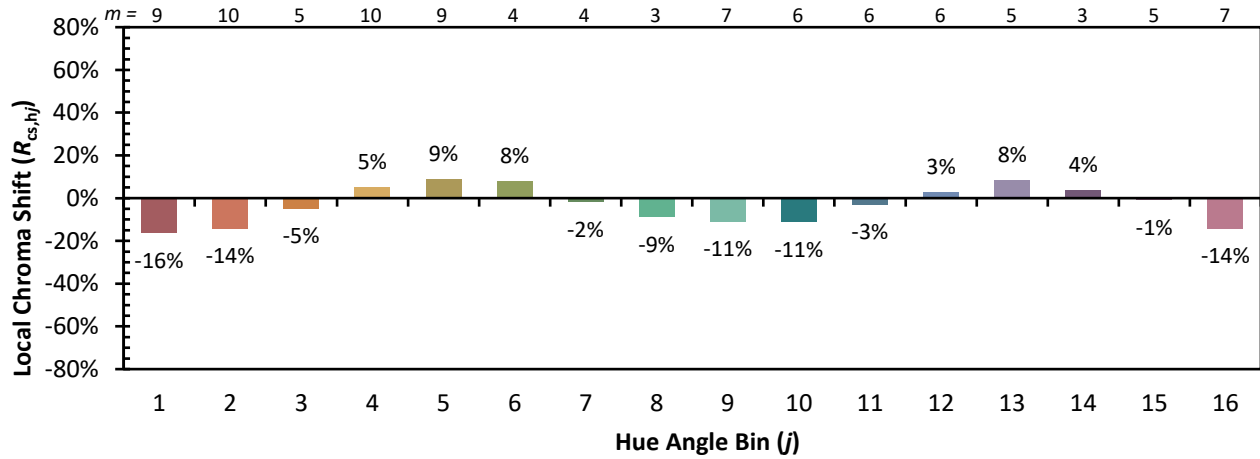
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CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57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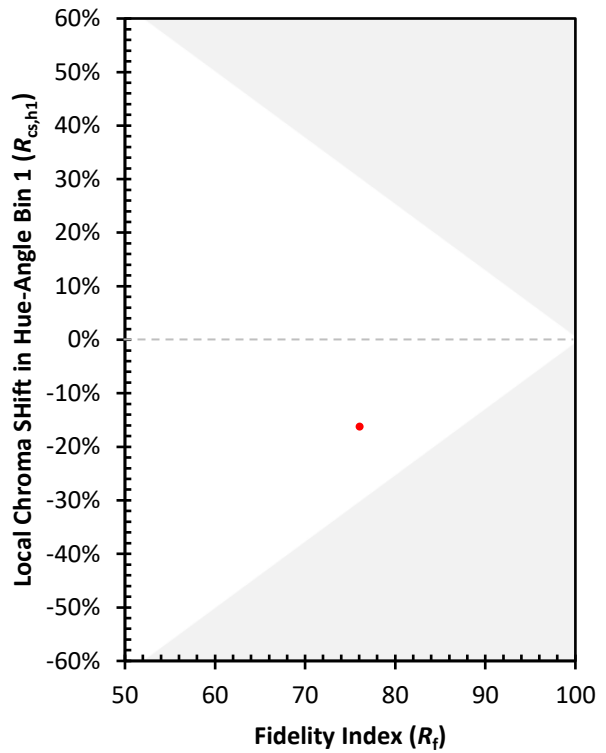
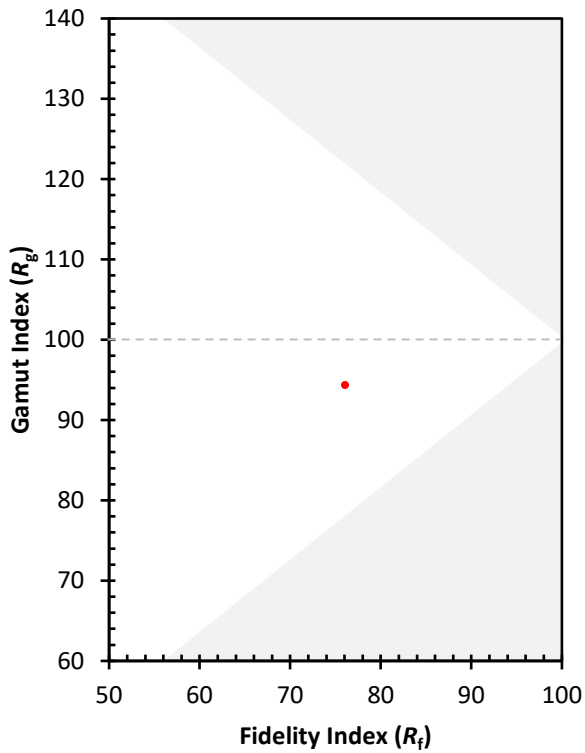
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)