

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: P856152

Luminaire Tested: **FFX-CLB-40-722-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856152
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-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

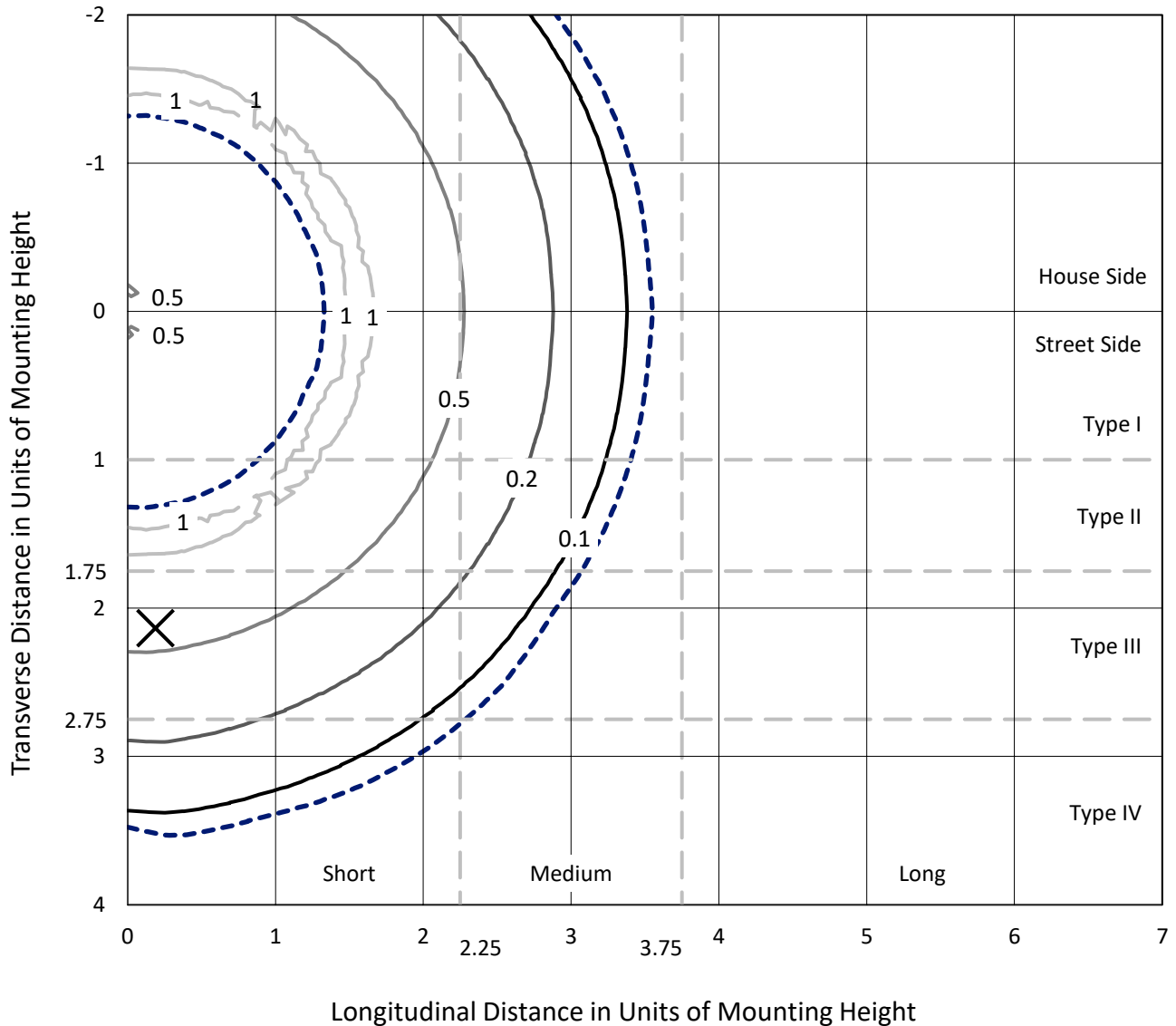
Lumens per Lamp: N/A
Luminaire Lumens: 5366.9 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

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

REPORT NUMBER: P856152
 CATALOG NUMBER: FFX-CLB-40-722-U-FR-T5-UPLR

Iso-Footcandle Lines of Horizontal Illumination

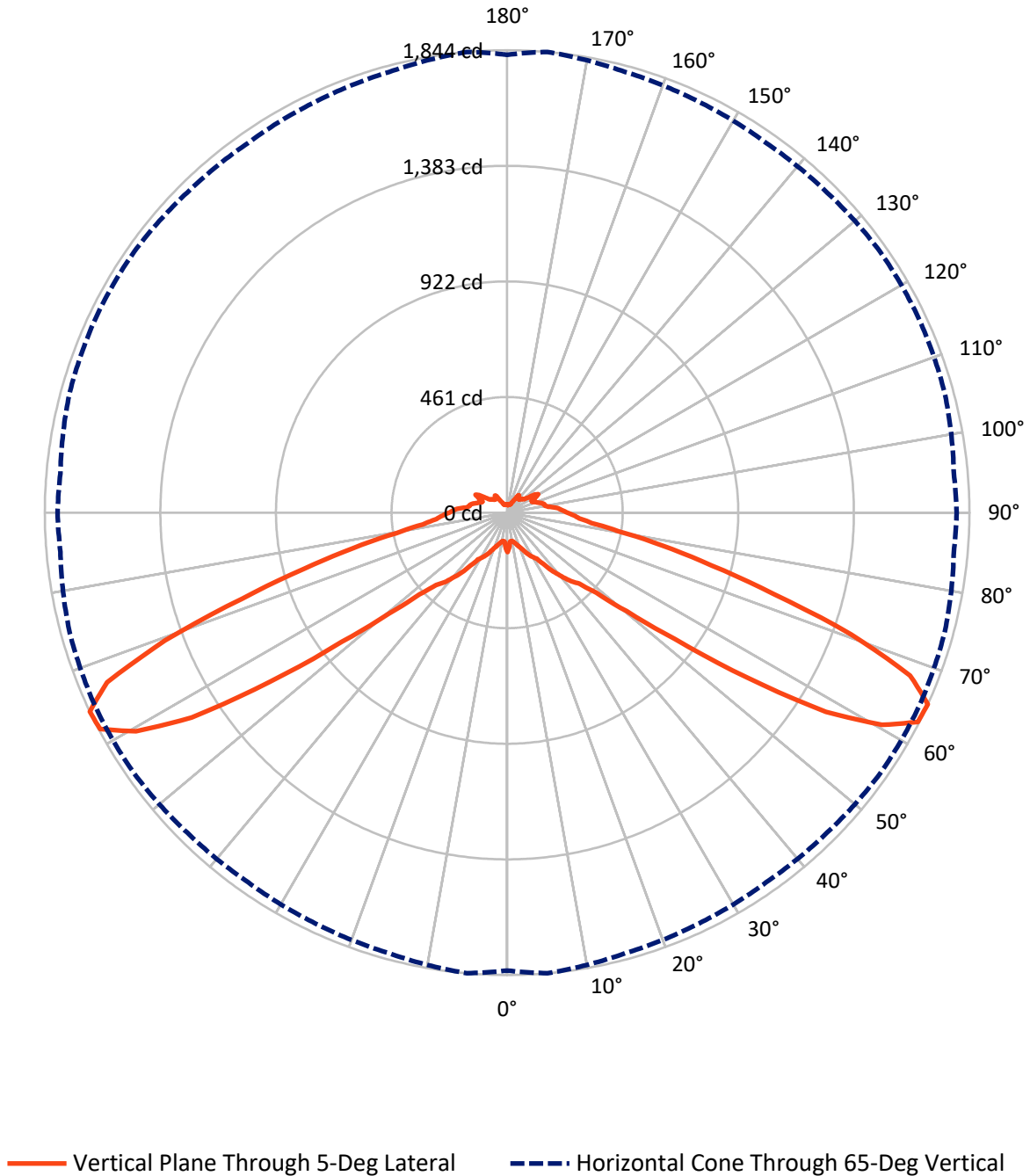
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

REPORT NUMBER: P856152
CATALOG NUMBER: FFX-CLB-40-722-U-FR-T5-UPLR

Luminous Intensity Polar Plot



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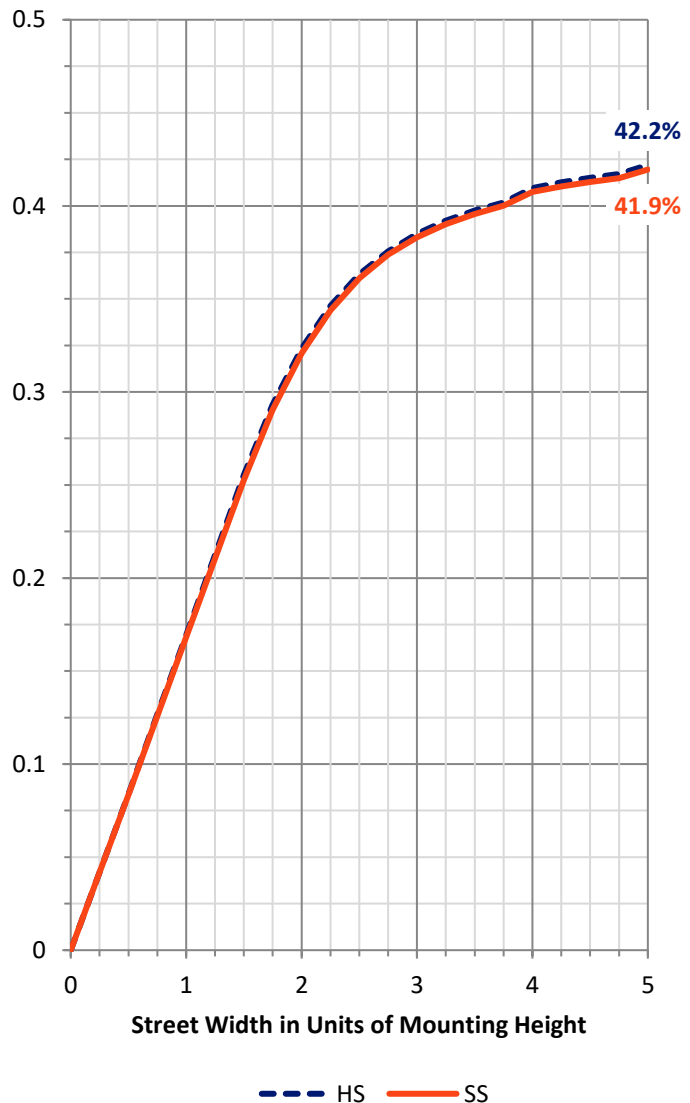
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2344.3	339.1	2683.4
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	2344.3	339.1	2683.4
	% Fixture	43.7	6.3	50.0
Total	Lumens	4688.7	678.2	5366.9
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.2
10°-20°	37.7	0.7
20°-30°	81.7	1.5
30°-40°	165.5	3.1
40°-50°	333.6	6.2
50°-60°	1060.6	19.8
60°-70°	1710.4	31.9
70°-80°	932.7	17.4
80°-90°	355.1	6.6
90°-100°	213.1	4.0
100°-110°	135.9	2.5
110°-120°	103.4	1.9
120°-130°	87.5	1.6
130°-140°	57.0	1.1
140°-150°	47.8	0.9
150°-160°	21.4	0.4
160°-170°	9.1	0.2
170°-180°	3.0	0.1
0°-90°	4688.7	87.4
0°-180°	5366.9	100.0



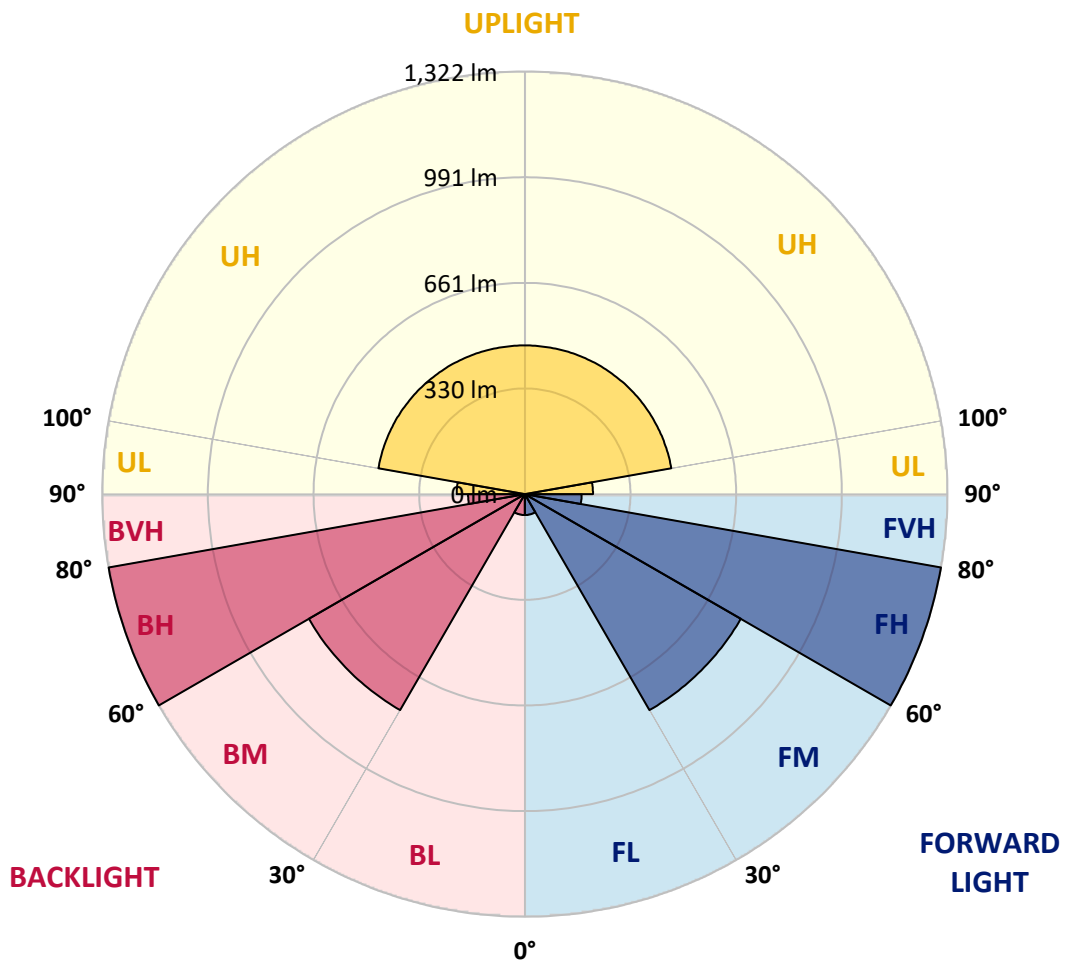
REPORT NUMBER: P856152
 CATALOG NUMBER: FFX-CLB-40-722-U-FR-T5-UPLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	65.4	1.2			
FM (30°-60°)	779.8	14.5			
FH (60°-80°)	1321.6	24.6			G1/1800
FVH (80°-90°)	177.6	3.3			G2/225
BL (0°-30°)	65.4	1.2	B0/110		
BM (30°-60°)	779.8	14.5	B1/1000		
BH (60°-80°)	1321.6	24.6	B3/2500		G1/1800
BVH (80°-90°)	177.6	3.3			G2/225
UL (90°-100°)	213.1	4.0		U3/500	
UH (100°-180°)	465.1	8.7		U3/500	

BUG Rating: B3-U3-G2

Type V Short





REPORT NUMBER: P856152

CATALOG NUMBER: FFX-CLB-40-722-U-FR-T5-UPLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5
2.5°	140.7	142.9	136.8	131.7	129.5	130.0	135.1	140.1	135.1	136.8	136.8
5°	116.6	117.1	117.1	116.0	117.7	114.3	110.4	110.4	114.3	118.8	118.8
7.5°	112.7	114.3	118.8	118.8	120.5	114.9	109.3	109.9	115.5	122.2	123.9
10°	116.0	116.0	114.9	116.0	119.9	119.4	113.2	110.4	114.3	121.1	123.3
12.5°	121.1	121.1	124.4	129.5	130.0	125.0	118.8	118.3	122.7	127.2	127.2
15°	128.4	128.9	130.6	130.0	131.7	130.0	128.4	129.5	132.3	132.3	132.3
17.5°	137.9	137.9	137.9	137.9	137.9	138.4	139.0	139.0	139.0	140.1	140.1
20°	148.5	148.5	148.0	147.4	147.4	148.0	148.5	148.5	148.5	149.7	149.7
22.5°	162.0	161.4	160.3	160.3	160.3	160.9	159.7	159.2	158.6	159.2	159.2
25°	177.7	177.7	176.6	174.9	174.9	174.3	172.6	172.1	171.5	172.6	172.1
27.5°	193.4	193.4	191.7	189.4	189.4	189.4	188.3	187.2	186.1	186.6	186.6
30°	207.9	206.8	206.3	204.6	204.0	204.6	203.5	203.5	201.2	200.7	201.8
32.5°	221.4	220.3	221.4	219.7	218.0	219.7	219.2	219.2	215.8	214.7	215.8
35°	258.4	255.6	257.8	253.9	251.7	252.2	253.3	255.6	252.2	250.5	251.1
37.5°	298.2	297.6	304.9	311.1	309.9	300.4	294.3	295.4	299.9	306.0	306.0
40°	335.2	334.1	335.7	333.5	333.5	332.4	331.8	334.6	325.6	323.4	321.7
42.5°	373.8	373.3	363.8	350.3	347.5	358.7	363.8	367.7	354.8	350.3	346.9
45°	412.0	404.1	402.4	397.9	393.5	400.7	400.2	403.0	396.8	396.3	393.5
47.5°	492.1	477.5	472.5	473.1	463.5	471.4	474.7	483.7	470.8	471.4	470.8
50°	636.7	618.2	626.6	621.0	610.9	620.5	619.9	636.2	614.9	622.7	619.3
52.5°	862.6	837.4	842.4	839.0	829.0	848.6	853.1	877.2	836.2	846.3	843.5
55°	1189.4	1161.9	1173.1	1132.7	1122.1	1160.8	1175.3	1203.4	1149.0	1154.6	1151.8
57.5°	1501.0	1499.3	1518.4	1489.8	1480.2	1507.7	1494.3	1518.9	1489.8	1510.5	1503.8
60°	1713.4	1717.9	1737.0	1745.4	1728.5	1743.1	1710.6	1729.1	1720.1	1750.4	1747.6
62.5°	1823.8	1838.4	1827.2	1827.7	1809.3	1820.5	1814.3	1824.9	1822.7	1825.5	1822.7
65°	1826.1	1844.0	1819.3	1808.1	1800.3	1804.8	1815.4	1815.4	1808.7	1788.5	1793.0
67.5°	1706.7	1733.6	1706.1	1690.4	1694.9	1693.2	1700.5	1691.0	1687.1	1657.4	1657.9
70°	1413.0	1456.1	1415.8	1401.2	1413.0	1420.3	1419.7	1411.9	1405.7	1368.7	1379.4
72.5°	1072.8	1110.9	1075.0	1069.4	1080.6	1091.8	1082.3	1091.8	1081.7	1064.9	1070.0
75°	809.9	842.4	842.4	863.7	867.1	860.9	834.6	845.2	851.9	852.5	857.5
77.5°	595.8	630.0	647.9	682.7	681.0	670.3	638.4	650.7	663.6	672.6	678.8
80°	423.7	449.5	475.9	500.5	503.9	494.9	475.3	482.6	490.4	496.6	500.0
82.5°	328.4	340.2	335.2	332.4	336.9	349.7	354.2	358.7	347.5	340.2	343.0
85°	286.4	287.5	296.5	302.7	304.3	304.3	299.9	303.2	306.0	313.3	313.3
87.5°	261.2	262.3	284.7	290.9	293.1	290.3	284.7	287.0	289.2	293.7	293.7
90°	232.0	235.4	257.8	262.9	265.1	260.6	258.9	260.6	257.8	259.5	259.5
92.5°	215.8	215.8	226.4	224.2	223.6	224.2	224.8	226.4	223.6	222.5	222.5
95°	197.3	200.1	197.3	199.5	199.0	196.2	195.0	196.2	194.5	194.5	195.6
97.5°	165.3	165.9	160.9	162.5	162.5	160.3	157.5	158.6	156.9	158.1	158.6
100°	154.7	153.0	144.6	143.5	142.9	141.2	139.6	139.6	139.0	138.4	139.0
102.5°	151.3	151.3	140.1	137.9	136.8	134.0	131.7	131.7	131.7	131.7	132.3
105°	138.4	142.4	134.0	132.3	130.6	127.2	123.9	123.3	124.4	123.3	125.0
107.5°	125.5	128.9	124.4	124.4	122.7	119.4	117.1	116.6	117.1	116.0	117.1
110°	118.3	119.9	114.9	114.9	113.8	111.0	110.4	109.9	109.9	108.2	109.3



REPORT NUMBER: P856152
 CATALOG NUMBER: FFX-CLB-40-722-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	109.3	109.3	105.4	104.3	104.3	102.6	102.0	101.4	101.4	101.4	102.0
115°	108.7	108.2	102.0	98.1	97.5	97.0	97.5	97.0	97.0	96.4	96.4
117.5°	132.8	127.2	106.5	97.0	97.0	97.5	99.8	98.1	94.2	94.2	93.6
120°	143.5	144.6	122.7	112.7	110.4	107.6	107.1	105.9	102.0	101.4	103.7
122.5°	126.7	132.3	118.8	114.9	112.7	109.3	107.1	106.5	106.5	103.7	107.6
125°	98.6	103.7	97.0	96.4	95.8	96.4	95.3	95.3	96.4	94.7	95.3
127.5°	84.6	86.9	84.1	84.1	83.5	83.0	81.8	82.4	81.8	82.4	83.0
130°	81.3	83.0	80.1	79.0	79.0	79.6	79.6	79.6	77.9	76.8	77.3
132.5°	80.7	80.1	75.7	73.4	73.4	77.3	79.0	79.0	75.1	72.3	72.3
135°	72.9	73.4	72.9	70.1	70.6	71.7	73.4	74.0	70.1	68.4	68.9
137.5°	70.1	71.7	72.3	71.2	71.2	70.1	69.5	70.1	68.9	69.5	69.5
140°	70.1	70.6	72.3	73.4	72.3	71.2	71.2	71.2	71.7	73.4	74.5
142.5°	71.7	72.3	71.7	71.2	72.9	75.7	77.9	77.9	76.2	75.1	75.7
145°	82.4	84.1	84.1	82.4	83.5	82.4	82.4	81.3	81.3	81.3	81.8
147.5°	78.5	77.9	79.0	80.7	79.0	78.5	78.5	79.0	80.1	80.7	81.3
150°	61.7	60.0	61.1	64.5	63.9	63.9	63.9	64.5	65.0	65.0	65.6
152.5°	48.8	48.8	49.9	49.9	50.4	50.4	49.9	49.9	49.9	50.4	50.4
155°	43.7	43.2	44.3	46.0	44.8	44.8	44.8	44.8	44.8	44.8	45.4
157.5°	38.1	37.6	37.6	38.1	38.1	38.1	38.1	38.7	38.7	38.1	38.7
160°	34.8	34.8	34.2	34.2	34.2	34.8	35.3	35.3	34.8	34.2	34.2
162.5°	33.1	33.1	31.9	31.4	31.4	31.9	33.1	33.1	31.9	31.4	31.4
165°	33.1	32.5	30.8	29.7	29.7	30.8	32.5	32.5	30.8	29.7	29.7
167.5°	32.5	32.5	31.4	30.3	30.3	31.4	31.9	32.5	31.9	30.8	30.3
170°	31.4	31.4	31.9	31.9	31.4	31.4	31.4	31.4	31.9	31.9	31.9
172.5°	32.5	31.9	32.5	33.1	33.1	32.5	31.9	31.9	32.5	33.1	33.1
175°	33.1	33.1	32.5	32.5	32.5	31.9	31.9	31.9	32.5	33.1	32.5
177.5°	29.7	29.7	29.1	29.7	29.7	29.7	29.1	29.7	29.7	29.7	30.3
180°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0

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.

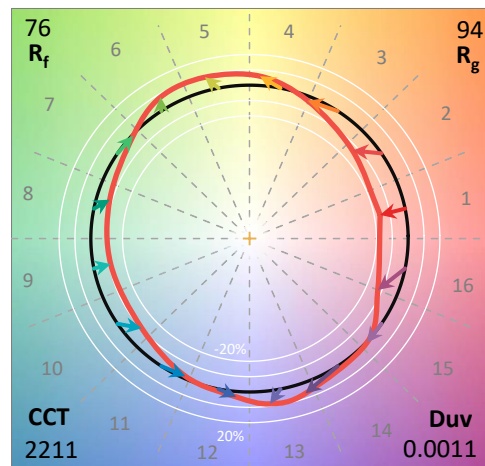
Test Information

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

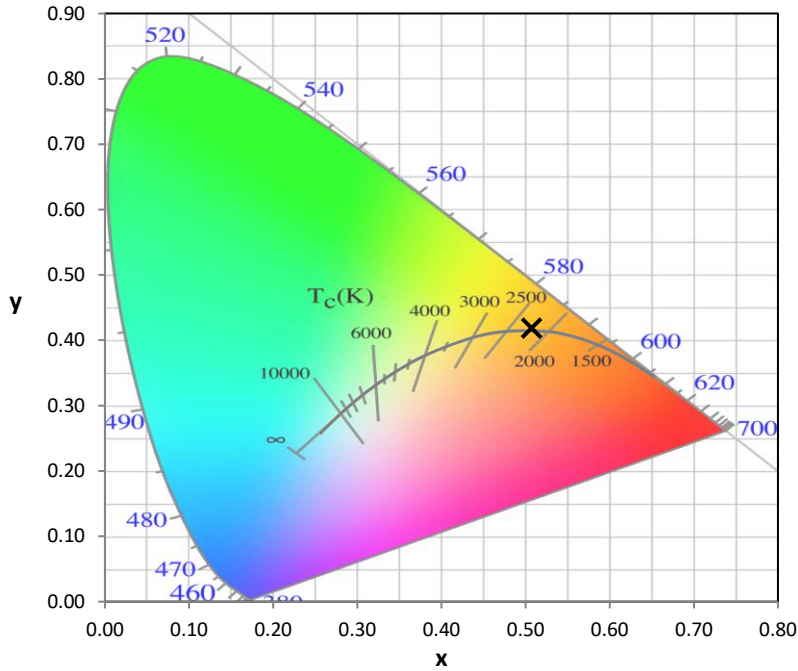
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-2

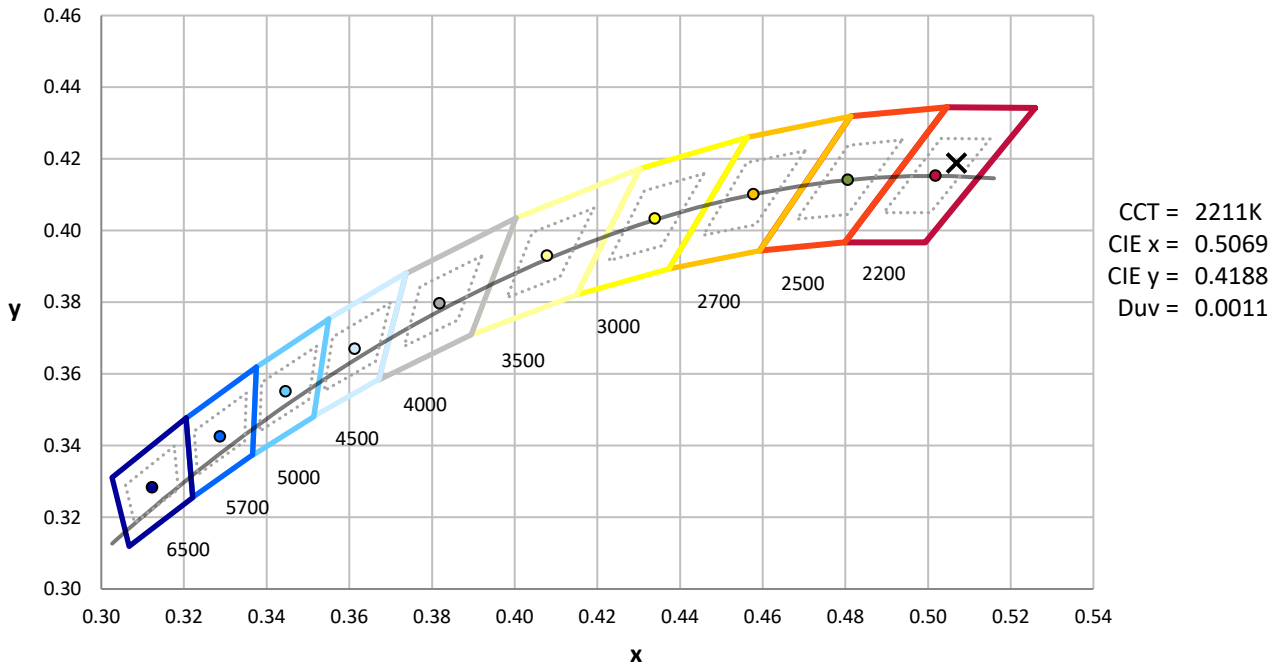
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2406-133-2

CIE 1931 Chromaticity Diagram



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

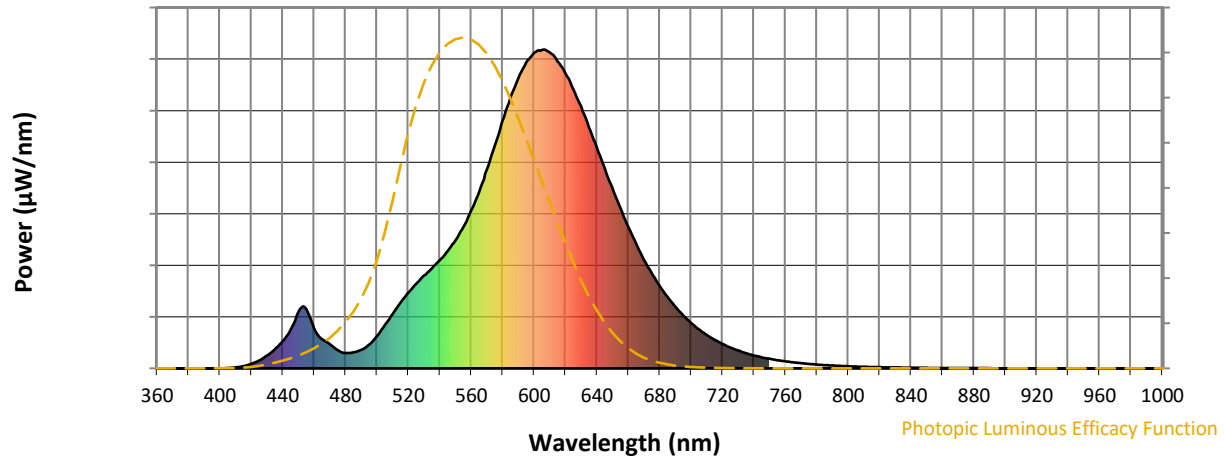


CCT = 2211K
CIE x = 0.5069
CIE y = 0.4188
Duv = 0.0011

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2406-133-2

Photopic Flux vs. Wavelength

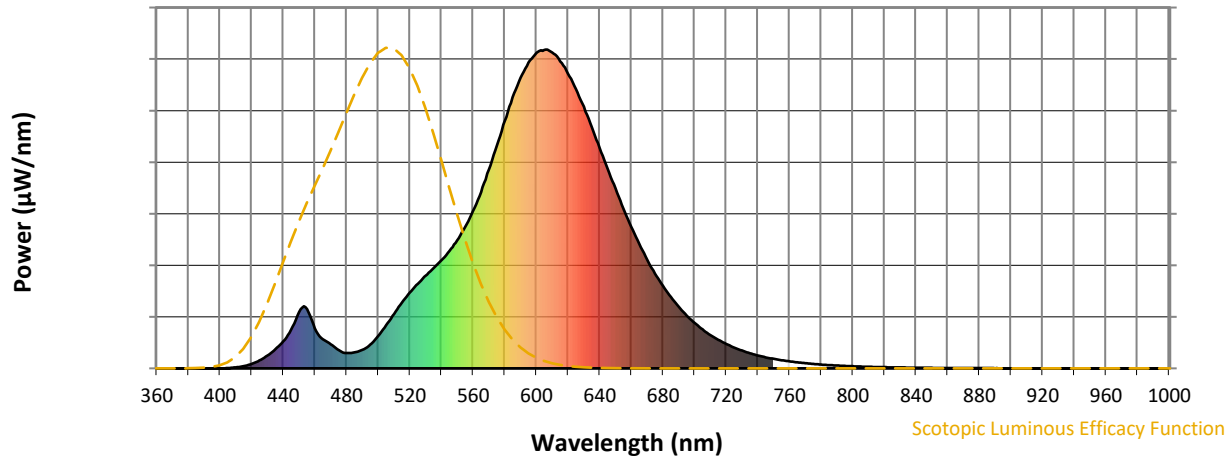


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2406-133-2

Scotopic Flux vs. Wavelength



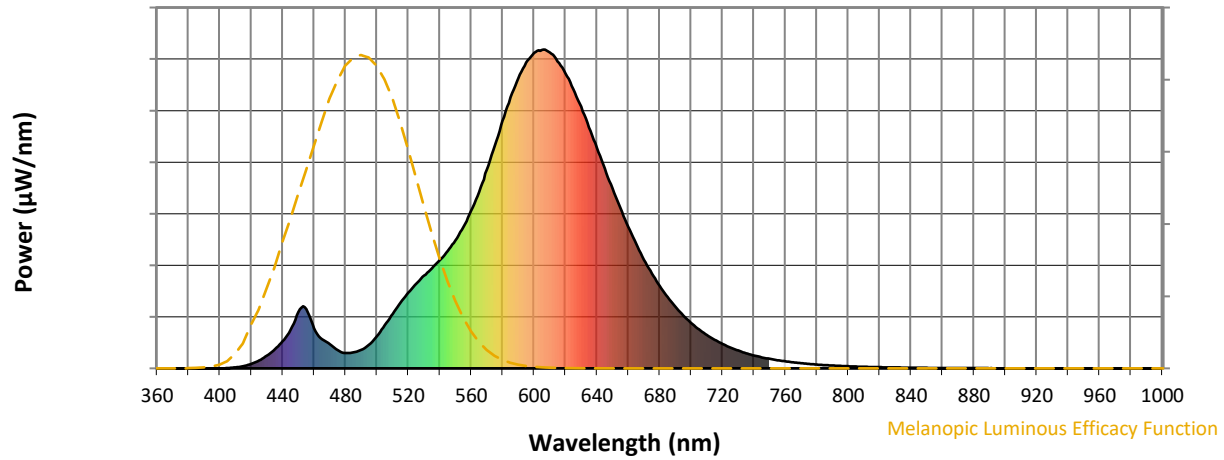
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2406-133-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.42

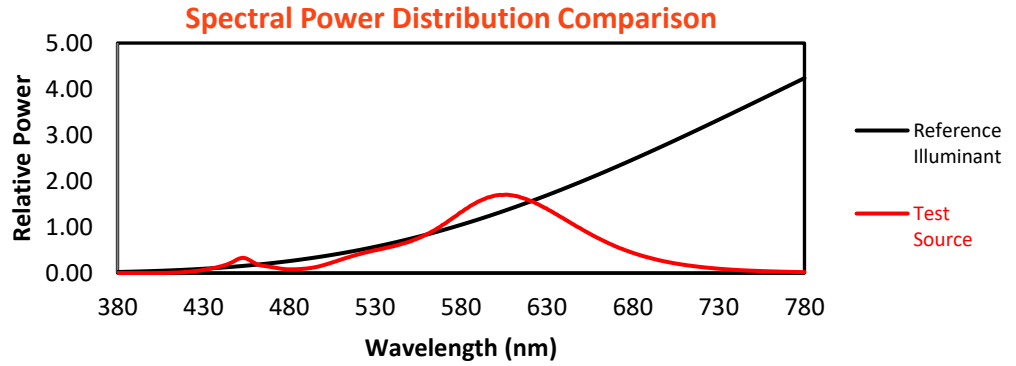
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR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

REPORT NUMBER: SP1-2406-133-2

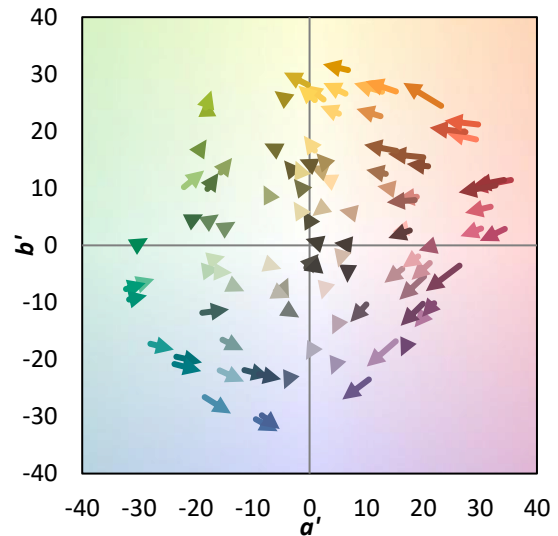
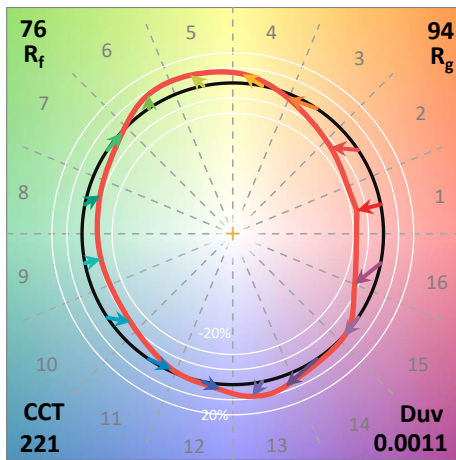
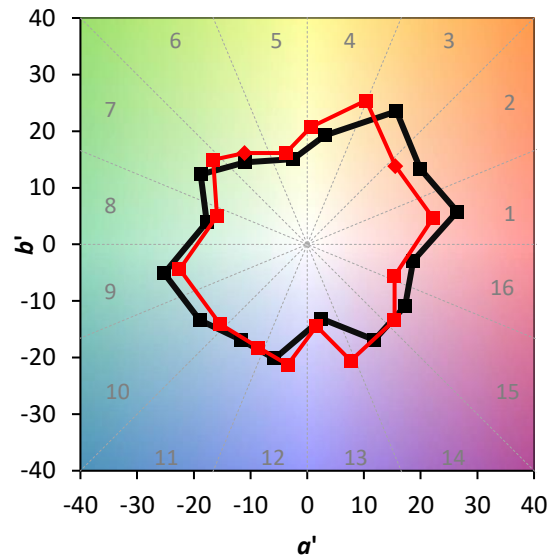
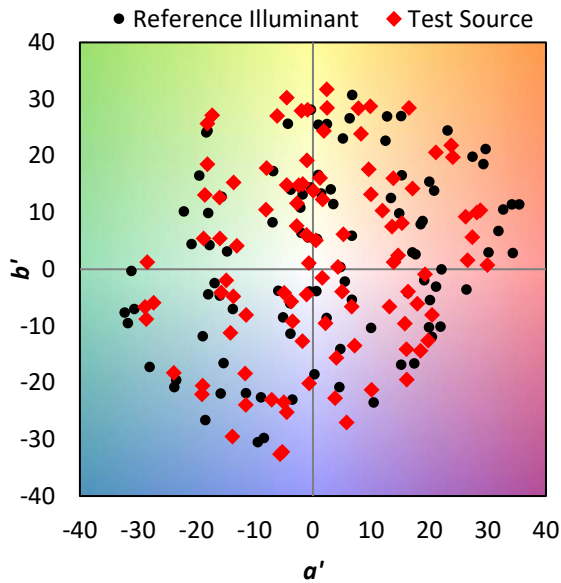
TM-30-18

Summary

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



Color Vector Graphics

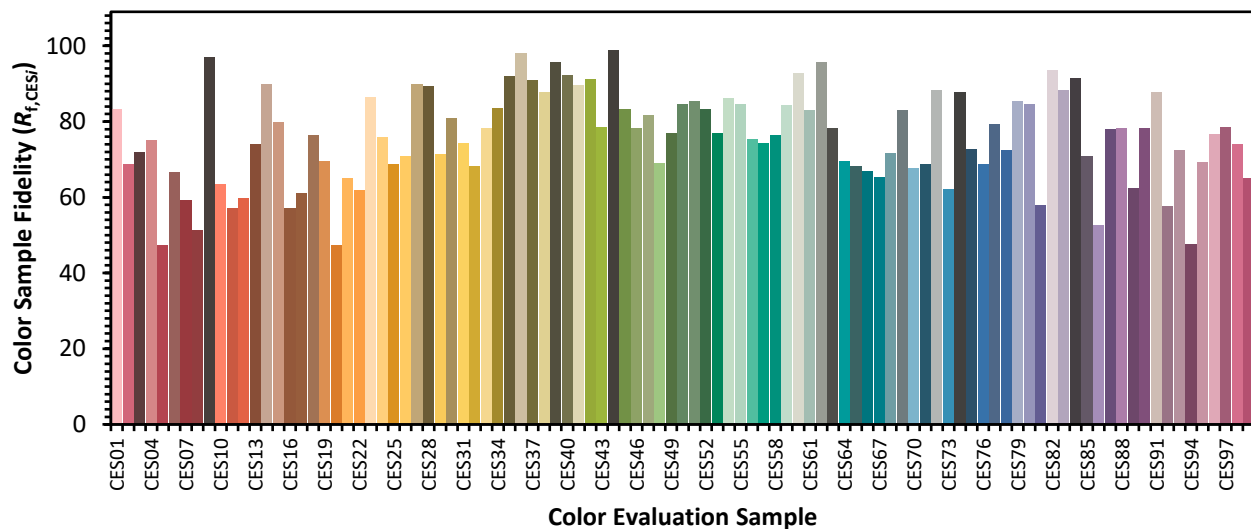


REPORT NUMBER: SP1-2406-133-2

TM-30-18

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

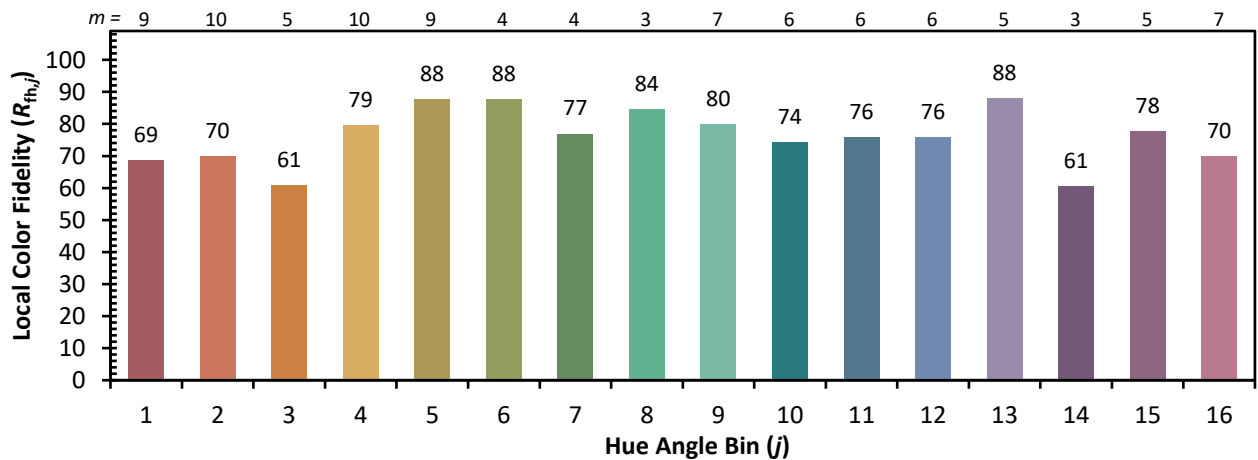
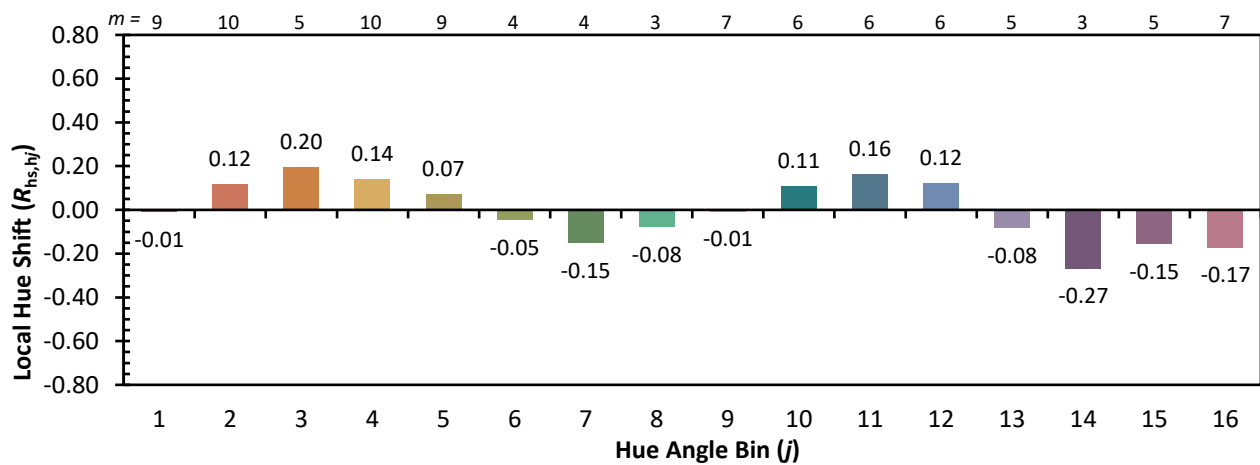
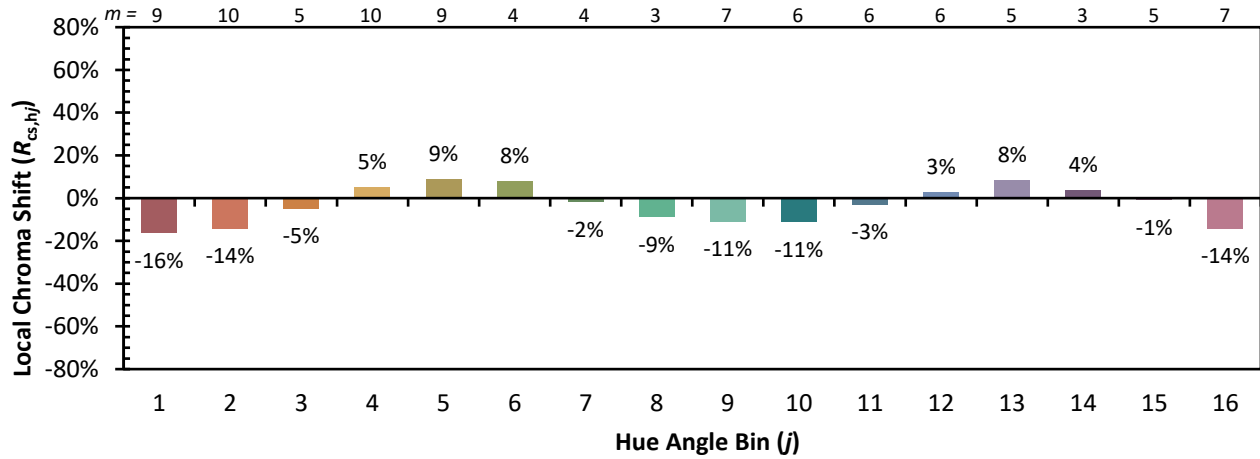
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CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57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



REPORT NUMBER: SP1-2406-133-2

TM-30-18

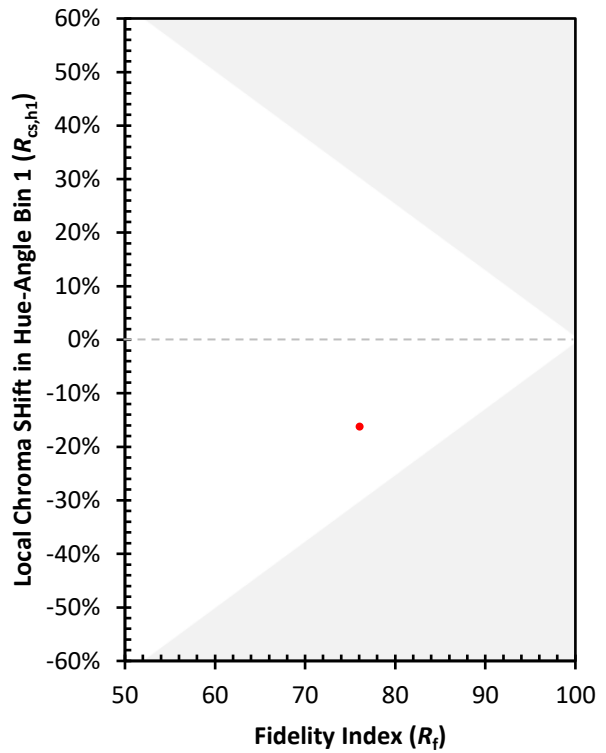
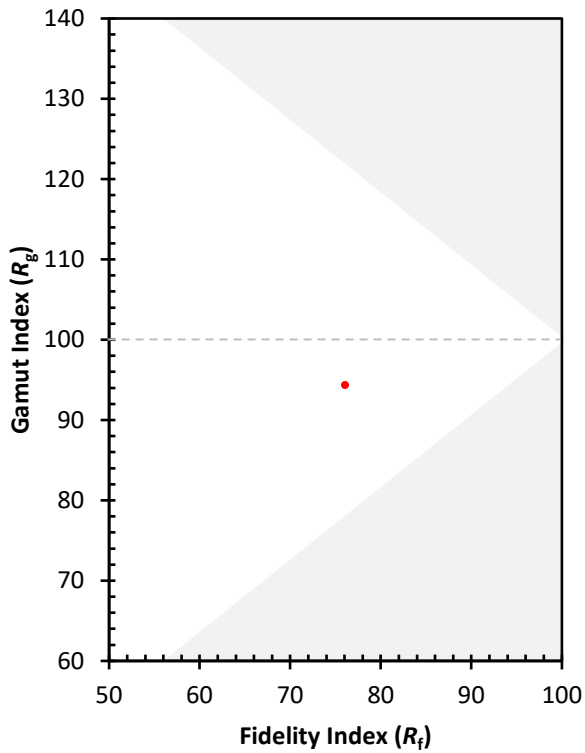
Color Rendition by Hue-Angle Bin



REPORT NUMBER: SP1-2406-133-2

TM-30-18

Measure Comparisons



(END OF REPORT)