

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: P856097

Luminaire Tested: **FFX-CLB-50-750-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856097
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-50-750-U-FR-T5
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

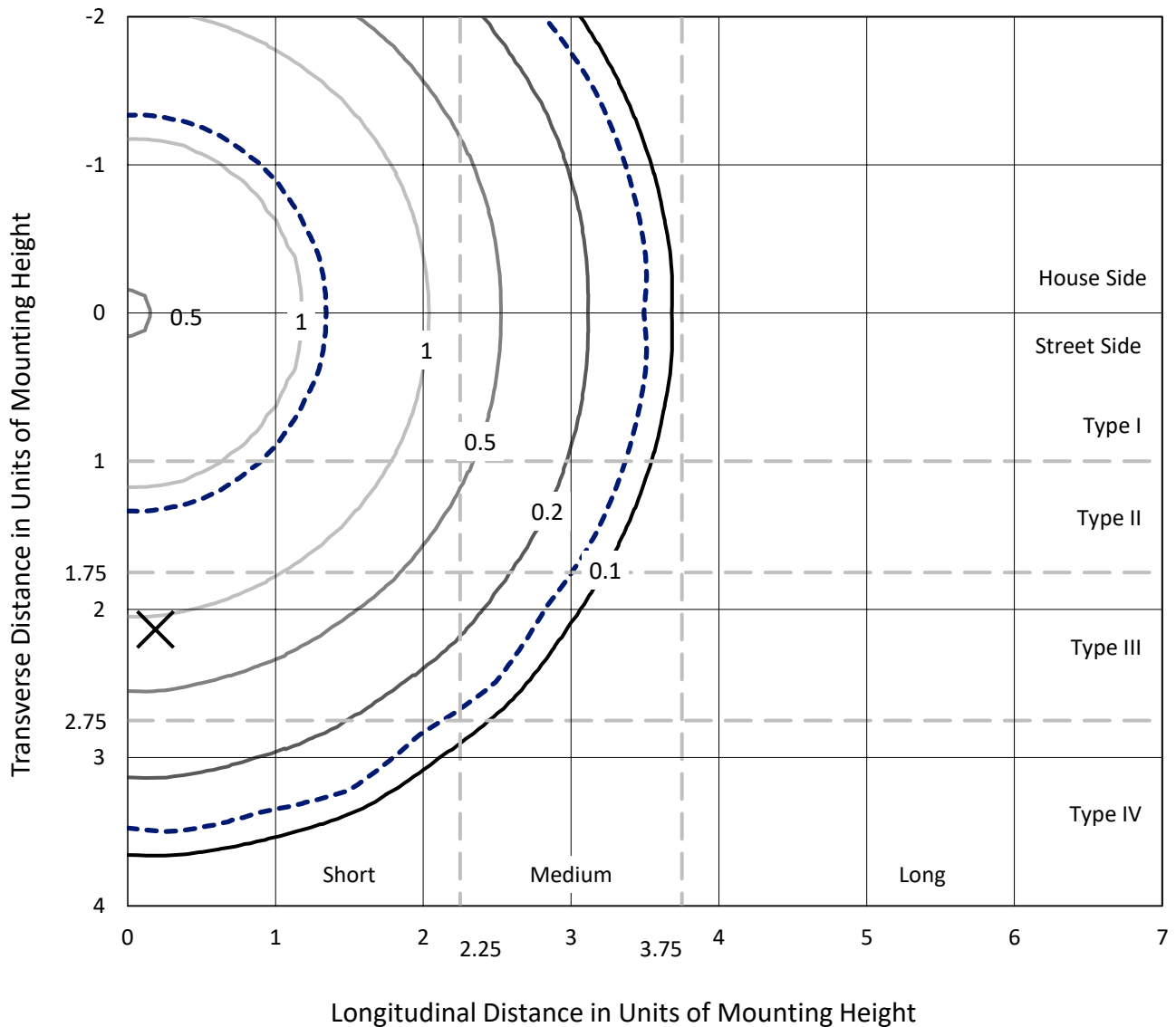
Lumens per Lamp: N/A
Luminaire Lumens: 8205.6 lumens
Efficiency: N/A
Efficacy: 162.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G3

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

REPORT NUMBER: P856097
 CATALOG NUMBER: FFX-CLB-50-750-U-FR-T5

Iso-Footcandle Lines of Horizontal Illumination

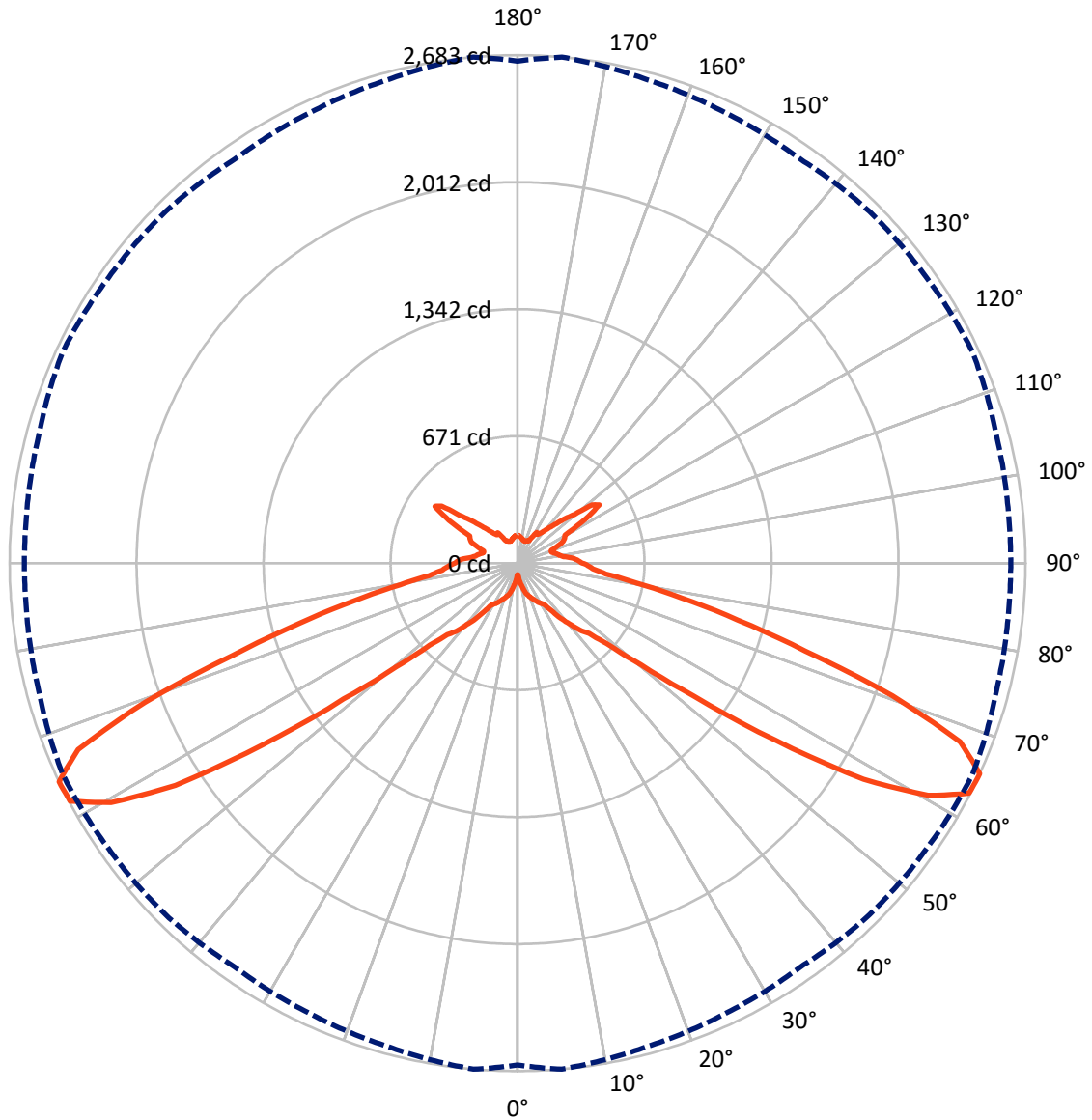
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

REPORT NUMBER: P856097
CATALOG NUMBER: FFX-CLB-50-750-U-FR-T5

Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P856097

CATALOG NUMBER: FFX-CLB-50-750-U-FR-T5

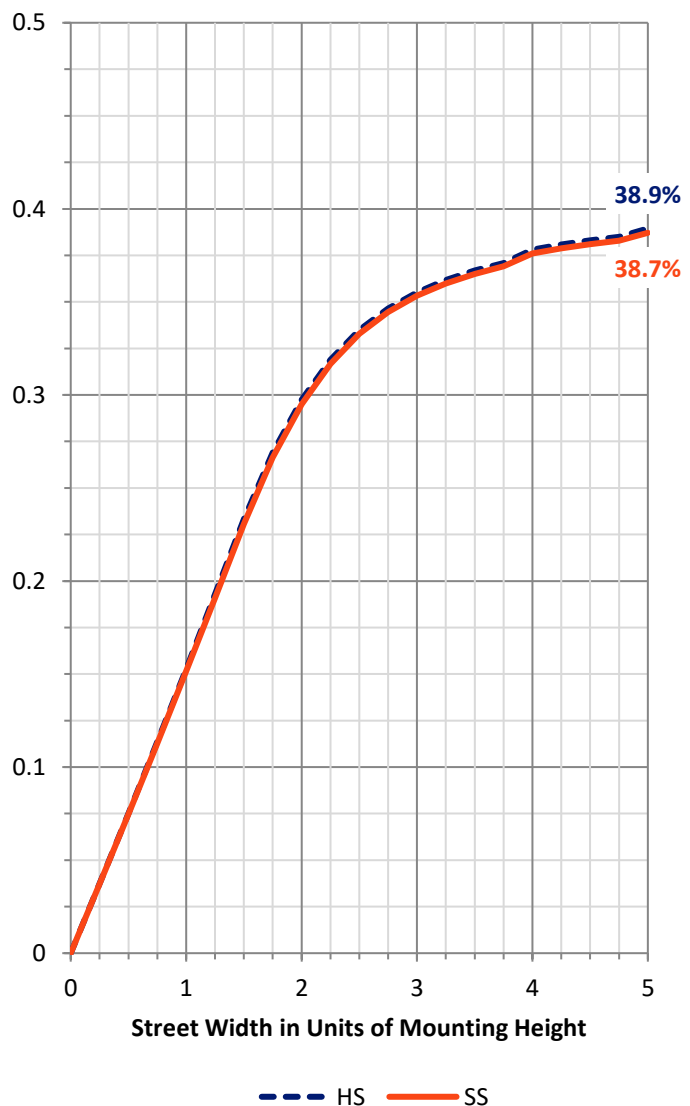
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3306.5	796.3	4102.8
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	3306.5	796.3	4102.8
	% Fixture	40.3	9.7	50.0
Total	Lumens	6613.0	1592.6	8205.6
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	46.9	0.6
20°-30°	101.8	1.2
30°-40°	202.0	2.5
40°-50°	438.2	5.3
50°-60°	1509.1	18.4
60°-70°	2478.6	30.2
70°-80°	1330.3	16.2
80°-90°	496.8	6.1
90°-100°	313.8	3.8
100°-110°	210.1	2.6
110°-120°	231.0	2.8
120°-130°	382.2	4.7
130°-140°	225.1	2.7
140°-150°	119.1	1.5
150°-160°	62.5	0.8
160°-170°	35.5	0.4
170°-180°	13.4	0.2
0°-90°	6613.0	80.6
0°-180°	8205.6	100.0



REPORT NUMBER: P856097

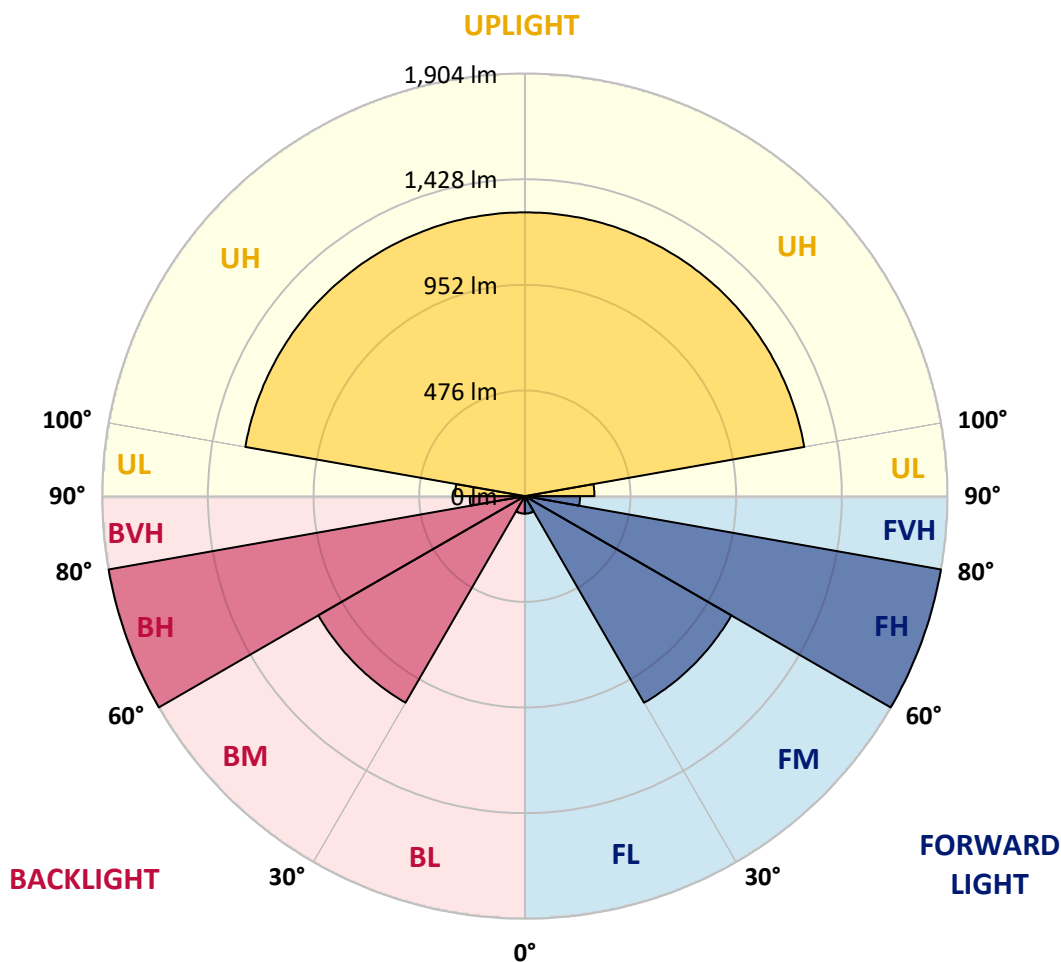
CATALOG NUMBER: FFX-CLB-50-750-U-FR-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	79.0	1.0			
FM (30°-60°)	1074.7	13.1			
FH (60°-80°)	1904.4	23.2			G2/5000
FVH (80°-90°)	248.4	3.0			G3/500
BL (0°-30°)	79.0	1.0	B0/110		
BM (30°-60°)	1074.7	13.1	B2/2500		
BH (60°-80°)	1904.4	23.2	B3/2500		G2/5000
BVH (80°-90°)	248.4	3.0			G3/500
UL (90°-100°)	313.8	3.8		U3/500	
UH (100°-180°)	1278.8	15.6		U5	

BUG Rating: B3-U5-G3

Type V Short





REPORT NUMBER: P856097

CATALOG NUMBER: FFX-CLB-50-750-U-FR-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
2.5°	64.4	64.4	63.6	62.7	63.6	64.4	64.4	65.2	63.6	63.6	64.4
5°	86.1	86.1	86.1	85.3	83.6	83.6	82.8	85.3	86.1	87.0	87.0
7.5°	107.1	106.2	107.9	108.7	104.5	102.9	102.9	103.7	105.4	107.1	108.7
10°	121.3	120.4	121.3	124.6	123.8	121.3	121.3	121.3	123.8	128.0	128.8
12.5°	143.0	143.0	144.7	147.2	148.0	145.5	143.9	143.9	147.2	148.0	147.2
15°	166.4	166.4	165.6	164.8	165.6	164.8	164.8	165.6	168.1	167.3	167.3
17.5°	179.0	178.1	177.3	178.1	178.1	177.3	178.1	179.8	179.0	181.5	182.3
20°	192.4	192.4	190.7	190.7	190.7	191.5	192.4	191.5	192.4	193.2	194.0
22.5°	204.9	204.9	204.1	203.2	204.1	204.9	205.7	204.1	204.1	205.7	205.7
25°	219.1	219.1	219.1	216.6	217.5	218.3	217.5	216.6	217.5	218.3	219.1
27.5°	235.0	235.0	233.3	230.8	231.7	231.7	232.5	230.8	232.5	232.5	232.5
30°	248.4	246.7	245.9	244.2	244.2	245.9	247.6	245.1	245.9	245.9	246.7
32.5°	260.9	260.9	260.1	256.8	255.9	260.9	262.6	261.8	258.4	259.3	260.1
35°	307.8	307.8	301.9	296.1	301.1	300.3	306.9	306.9	306.9	308.6	312.0
37.5°	366.3	368.8	378.0	391.4	391.4	372.2	362.1	361.3	374.7	386.4	385.6
40°	418.2	420.7	418.2	419.9	418.2	419.0	419.9	418.2	410.7	408.1	403.1
42.5°	482.6	483.4	467.5	449.1	450.8	460.0	470.9	471.7	455.8	448.3	446.6
45°	527.7	529.4	523.6	521.1	521.1	524.4	523.6	523.6	517.7	516.9	515.2
47.5°	638.1	634.8	623.1	618.9	623.9	621.4	637.3	633.1	626.4	626.4	632.3
50°	846.4	843.1	843.9	839.7	853.1	833.9	853.1	848.1	838.0	843.1	847.2
52.5°	1186.8	1165.9	1168.4	1160.0	1183.5	1165.9	1197.7	1193.5	1160.9	1175.1	1175.9
55°	1676.9	1650.2	1648.5	1592.4	1635.9	1641.8	1681.9	1692.0	1628.4	1629.2	1633.4
57.5°	2162.8	2154.5	2181.2	2146.1	2177.1	2162.8	2162.0	2180.4	2143.6	2148.6	2162.0
60°	2484.8	2491.5	2521.6	2530.8	2541.7	2521.6	2480.7	2489.0	2486.5	2529.2	2532.5
62.5°	2657.1	2677.2	2655.5	2648.8	2639.6	2647.1	2642.1	2647.1	2632.0	2652.1	2653.0
65°	2651.3	2683.1	2643.8	2619.5	2604.4	2627.9	2634.6	2649.6	2617.8	2605.3	2605.3
67.5°	2483.2	2521.6	2459.8	2457.2	2420.4	2459.8	2448.9	2460.6	2435.5	2417.9	2401.2
70°	2065.8	2101.0	2026.5	2035.7	1972.2	2036.6	2019.8	2041.6	2021.5	1987.2	1967.1
72.5°	1556.5	1587.4	1532.2	1546.4	1504.6	1553.1	1527.2	1564.0	1551.5	1536.4	1519.7
75°	1177.6	1201.9	1205.2	1252.9	1202.7	1226.1	1179.3	1201.0	1221.9	1239.5	1221.1
77.5°	866.5	883.2	933.4	986.1	936.7	953.5	906.6	927.5	946.8	976.9	963.5
80°	612.2	631.5	677.5	716.8	680.8	695.9	665.7	677.5	692.5	714.3	700.0
82.5°	476.7	470.0	468.4	458.3	447.5	485.1	492.6	499.3	485.1	479.2	472.5
85°	399.8	401.5	411.5	424.0	424.0	424.9	417.3	420.7	426.5	437.4	438.3
87.5°	367.2	372.2	400.6	410.7	406.5	408.1	401.5	403.1	407.3	413.2	411.5
90°	323.7	336.2	363.0	373.0	366.3	369.7	366.3	368.8	365.5	367.2	363.8
92.5°	316.1	315.3	323.7	322.8	318.7	328.7	328.7	330.4	326.2	323.7	322.0
95°	292.7	291.1	290.2	292.7	283.5	291.1	289.4	292.7	291.1	291.1	287.7
97.5°	245.1	245.1	243.4	245.9	240.0	243.4	239.2	241.7	240.9	241.7	239.2
100°	225.8	225.8	224.1	224.1	221.6	222.5	220.8	220.8	220.0	219.1	219.1
102.5°	212.4	214.1	211.6	212.4	209.1	209.1	207.4	208.3	207.4	207.4	206.6
105°	199.9	200.7	199.1	199.1	196.5	195.7	194.0	194.9	195.7	194.0	194.0
107.5°	187.3	188.2	187.3	187.3	184.8	183.2	180.7	180.7	181.5	182.3	182.3
110°	192.4	189.9	187.3	185.7	189.0	184.0	182.3	181.5	182.3	184.8	185.7



REPORT NUMBER: P856097
 CATALOG NUMBER: FFX-CLB-50-750-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	230.0	228.3	228.3	220.8	229.2	224.1	220.8	214.9	217.5	219.1	219.1
115°	266.8	267.6	257.6	254.3	249.2	248.4	250.9	244.2	243.4	244.2	242.5
117.5°	299.4	281.9	244.2	234.2	231.7	230.0	228.3	226.7	225.0	235.0	224.1
120°	320.3	290.2	262.6	256.8	271.0	250.9	237.5	235.0	240.0	257.6	255.1
122.5°	454.1	428.2	408.1	373.0	408.1	388.1	393.1	383.9	378.9	368.8	370.5
125°	531.1	530.3	521.1	514.4	522.7	515.2	506.8	503.5	498.5	501.0	496.8
127.5°	493.5	501.0	489.3	502.7	472.5	480.9	479.2	485.1	480.1	481.7	475.1
130°	390.6	396.4	385.6	378.9	365.5	380.5	381.4	390.6	380.5	367.2	365.5
132.5°	341.2	345.4	328.7	320.3	311.1	324.5	330.4	335.4	328.7	314.5	311.1
135°	290.2	291.9	280.2	281.9	276.0	276.0	275.2	277.7	281.0	278.5	276.8
137.5°	249.2	253.4	249.2	254.3	249.2	245.1	238.4	240.9	248.4	254.3	253.4
140°	215.8	220.0	220.8	225.8	215.8	217.5	213.3	214.9	219.1	225.0	227.5
142.5°	191.5	194.9	187.3	183.2	179.8	189.9	197.4	198.2	193.2	186.5	189.0
145°	186.5	183.2	186.5	183.2	186.5	184.8	185.7	184.8	184.8	184.8	184.8
147.5°	189.0	192.4	192.4	192.4	187.3	188.2	189.0	189.9	189.9	193.2	192.4
150°	157.2	161.4	160.6	164.8	157.2	158.9	159.7	161.4	162.3	163.1	163.9
152.5°	133.0	133.8	136.3	138.0	137.2	136.3	135.5	135.5	137.2	138.8	139.7
155°	129.6	129.6	132.1	134.7	132.1	132.1	131.3	131.3	132.1	134.7	134.7
157.5°	124.6	125.5	125.5	127.1	125.5	126.3	125.5	125.5	126.3	127.1	128.0
160°	122.1	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	123.8	123.8
162.5°	122.1	122.1	122.1	121.3	121.3	122.1	122.1	122.1	122.1	121.3	122.1
165°	124.6	123.8	122.9	122.1	122.9	124.6	125.5	125.5	124.6	122.9	123.8
167.5°	129.6	129.6	128.8	128.0	128.8	129.6	130.5	130.5	129.6	128.8	128.8
170°	134.7	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8
172.5°	138.0	138.0	138.8	138.0	138.8	138.8	138.0	138.0	138.0	138.0	138.8
175°	143.0	143.0	143.0	143.0	143.9	143.9	143.9	143.9	143.9	143.9	143.9
177.5°	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4
180°	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2

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: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

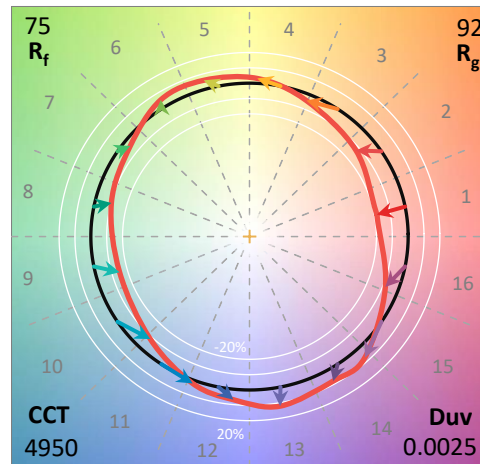
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-5
 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-100-750-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 4950
 CIE u': 0.2102
 CIE v': 0.4882
 Duv: 0.0025
 CIE x: 0.3471
 CIE y: 0.3583
 CIE z: 0.2946
 Peak Wavelength (nm): 452
 Dominant Wavelength (nm): 571
 Purity: 11.64963
 Rf: 74.8
 Rg: 92.4

CRI (Ra):	73.0		
R1:	69.1	R9:	-35.4
R2:	80.1	R10:	51.9
R3:	87.3	R11:	66.1
R4:	70.6	R12:	40.1
R5:	69.4	R13:	71.5
R6:	71.2	R14:	93.0
R7:	82.5	R15:	62.2
R8:	53.6		



Test Conditions

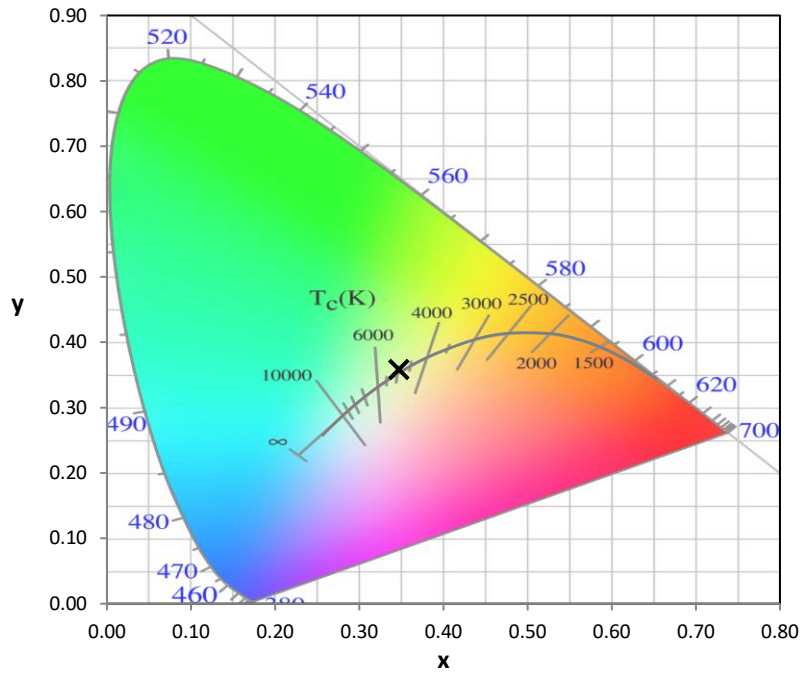
Stabilization Time: 0.803355M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-5

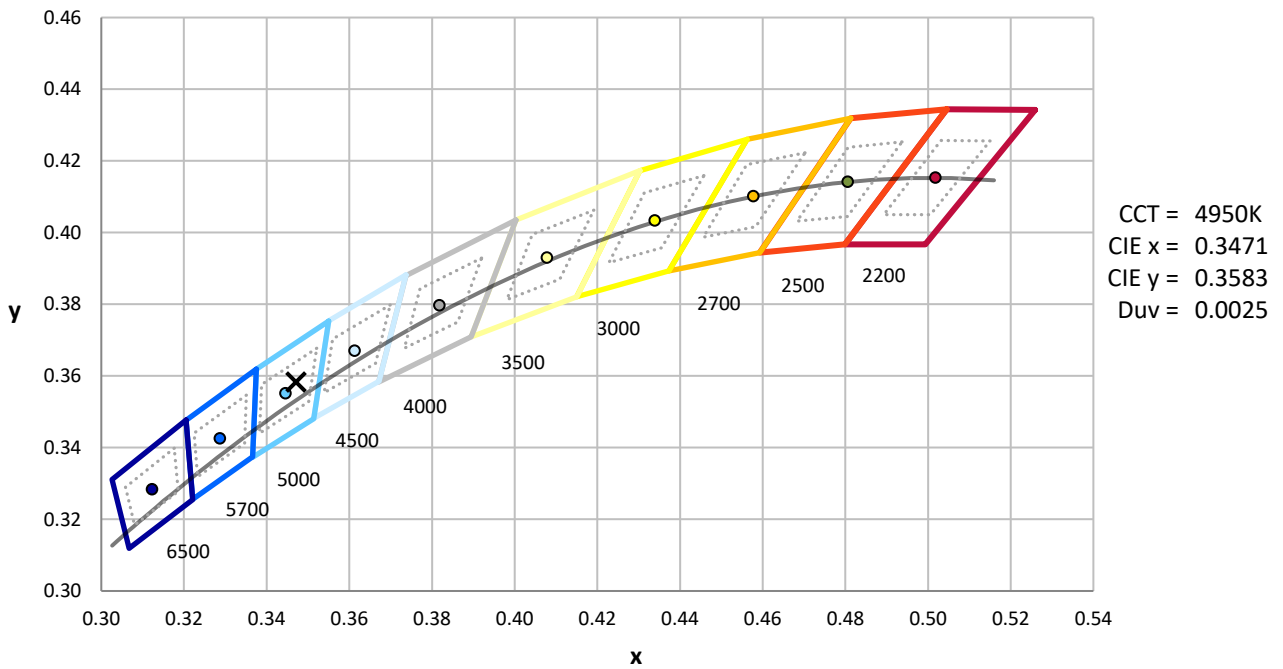
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2406-133-5

CIE 1931 Chromaticity Diagram



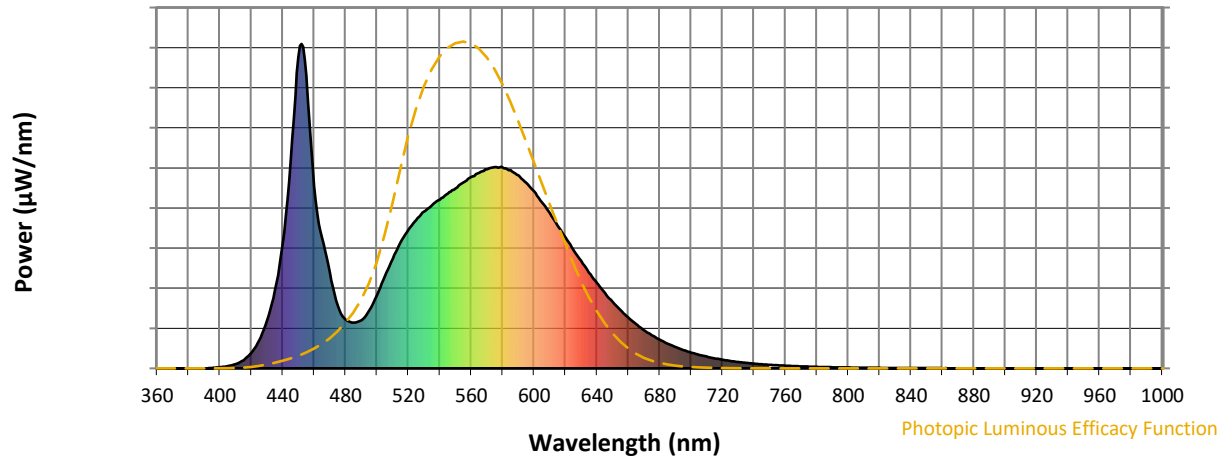
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2406-133-5

Photopic Flux vs. Wavelength

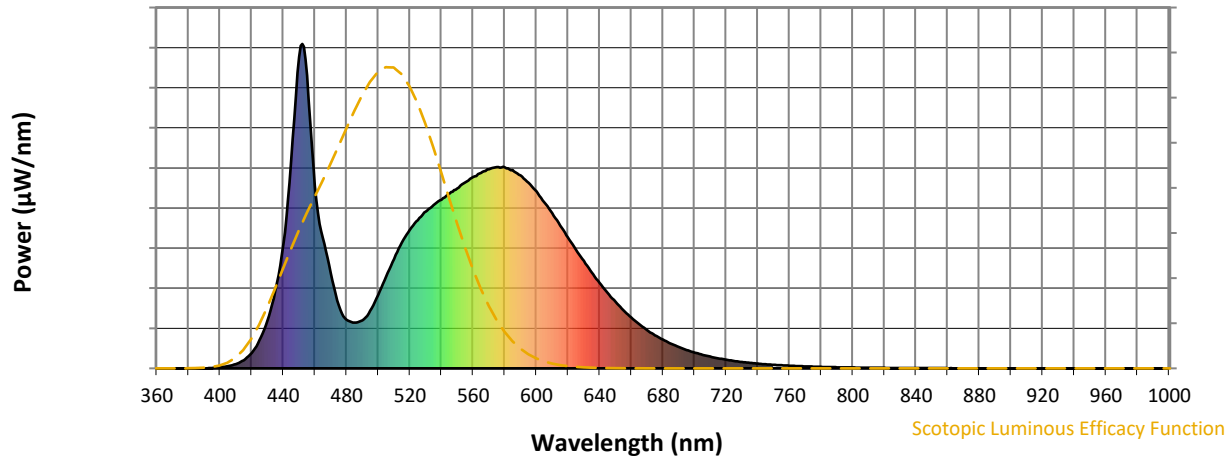


Photopic Lumens: NR

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2406-133-5

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.8

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2406-133-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2406-133-5

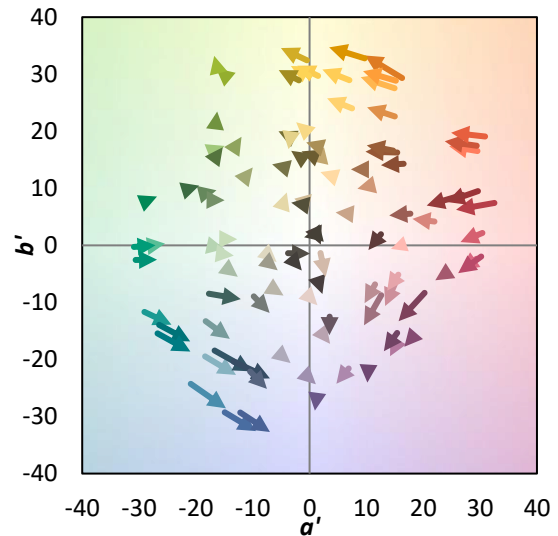
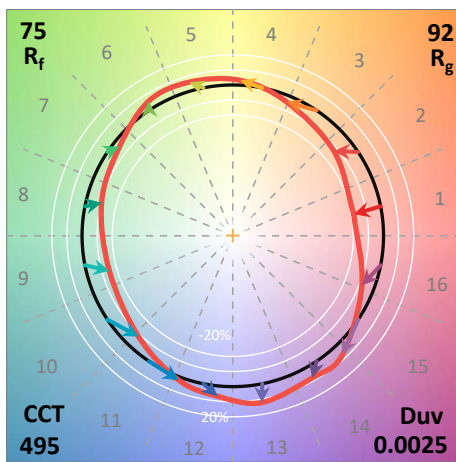
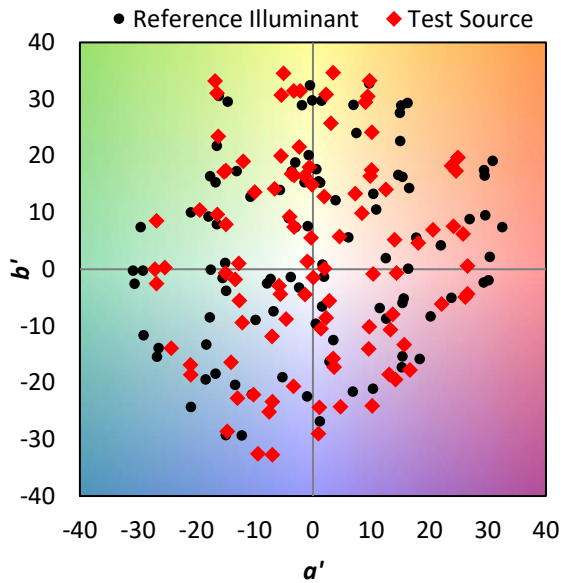
TM-30-18

Summary

$R_f = 74.8$
 $R_g = 92.4$
 CIE $R_a = 73.0$
 $R_9 = -35.4$



Color Vector Graphics

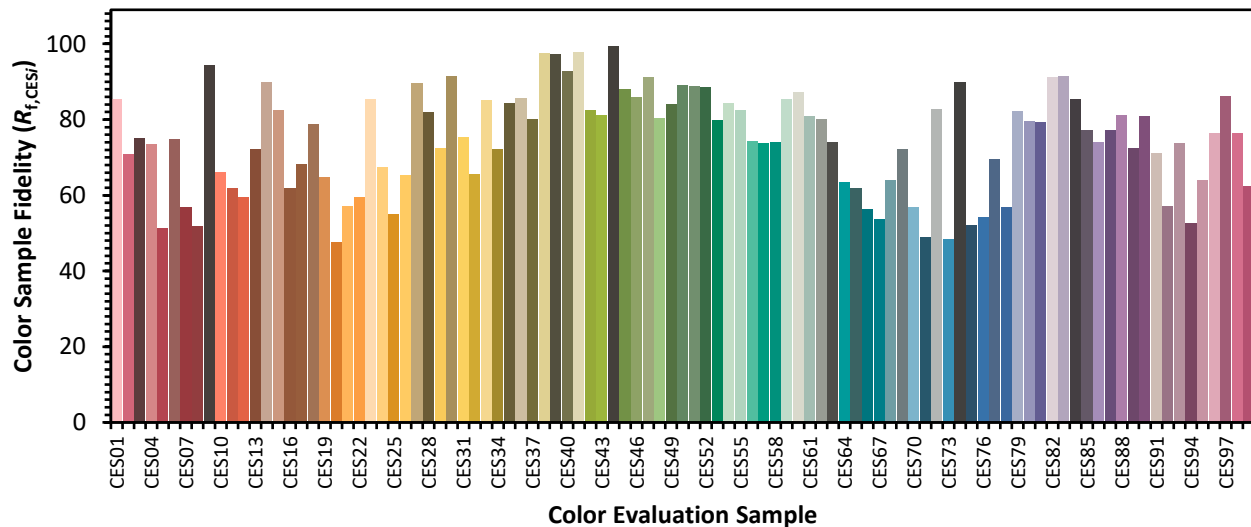


REPORT NUMBER: SP1-2406-133-5

TM-30-18

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

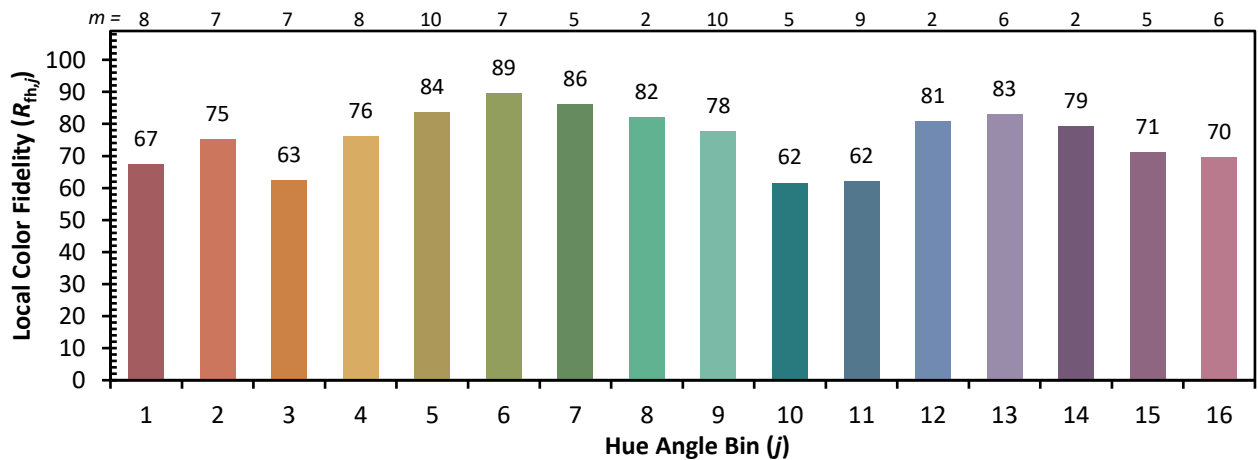
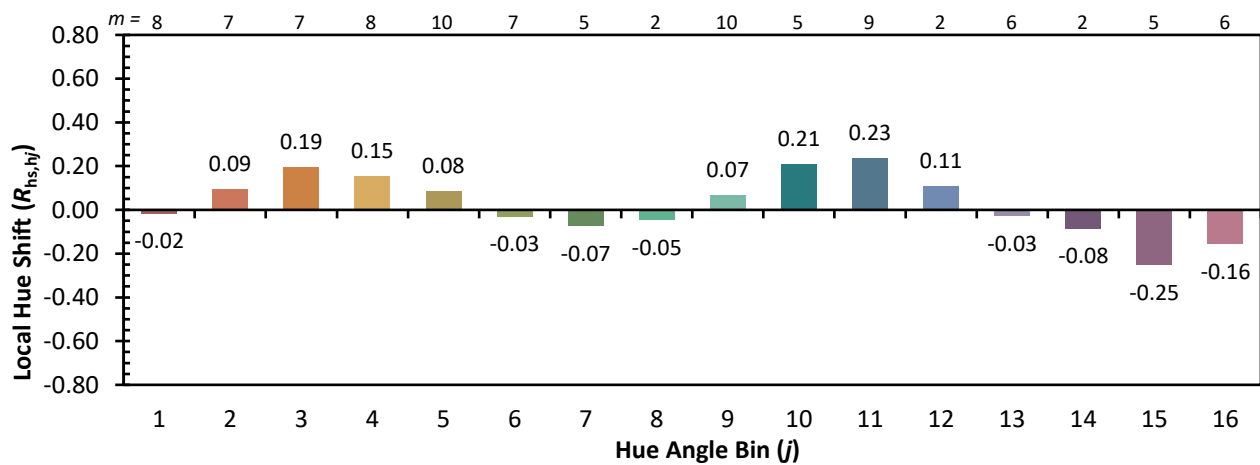
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CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	



REPORT NUMBER: SP1-2406-133-5

TM-30-18

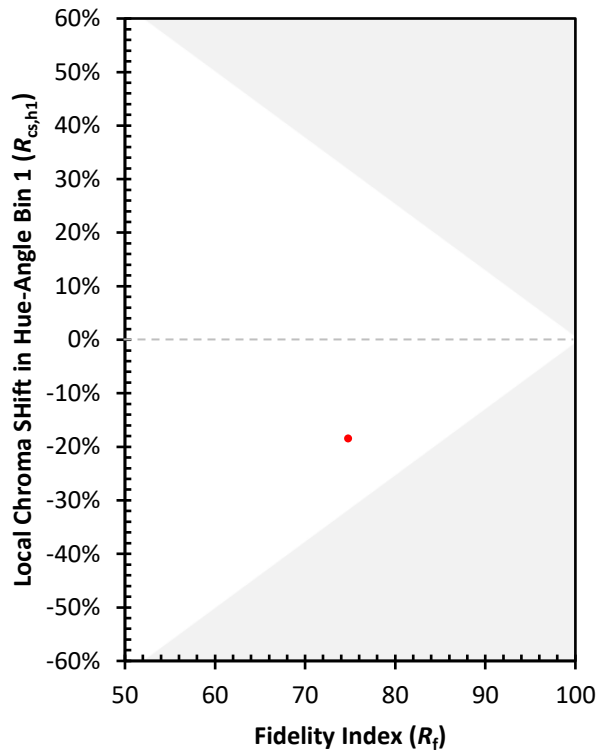
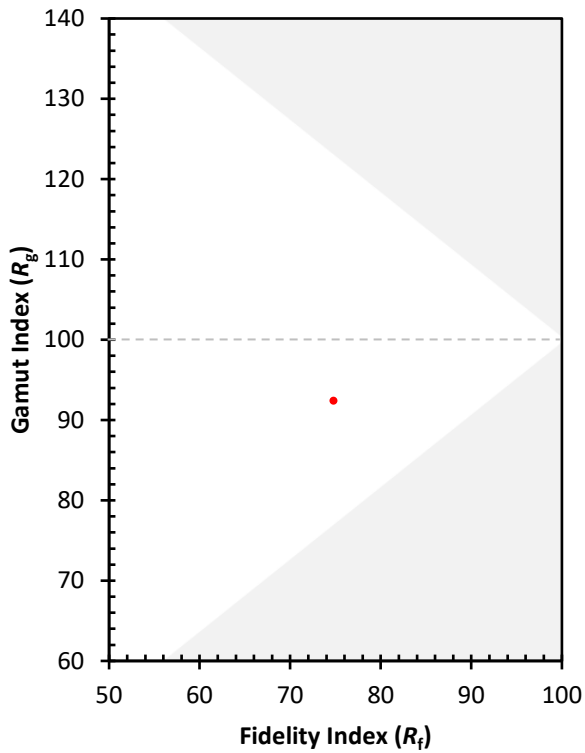
Color Rendition by Hue-Angle Bin



REPORT NUMBER: SP1-2406-133-5

TM-30-18

Measure Comparisons



(END OF REPORT)