

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: P856060

Luminaire Tested: **FFX-CLB-60-722-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856060
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-60-722-U-FR-T5
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

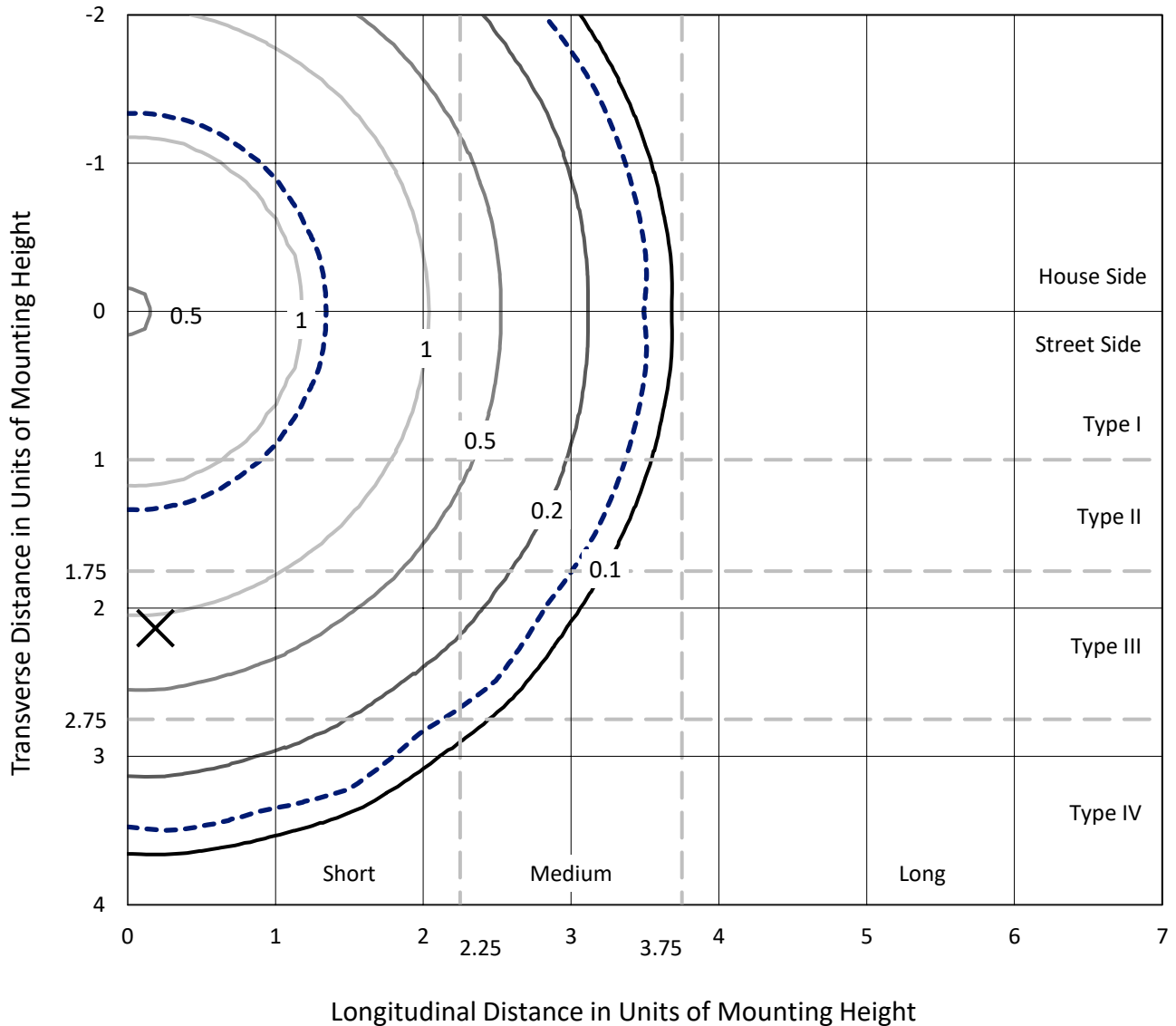
Lumens per Lamp: N/A
Luminaire Lumens: 8202 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G3

Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 8.9%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P856060
 CATALOG NUMBER: FFX-CLB-60-722-U-FR-T5

Iso-Footcandle Lines of Horizontal Illumination

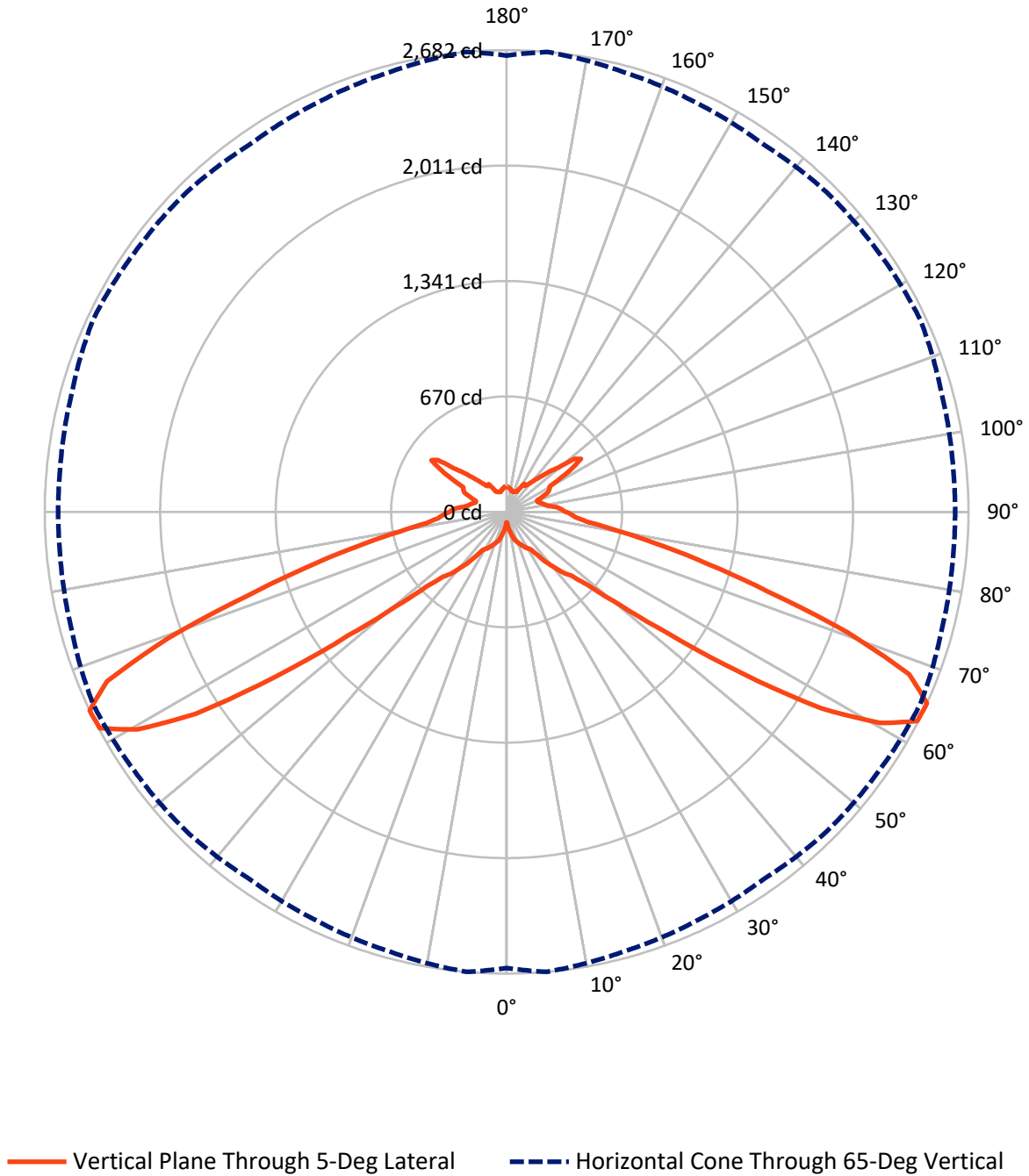
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P856060
CATALOG NUMBER: FFX-CLB-60-722-U-FR-T5

Luminous Intensity Polar Plot



REPORT NUMBER: P856060

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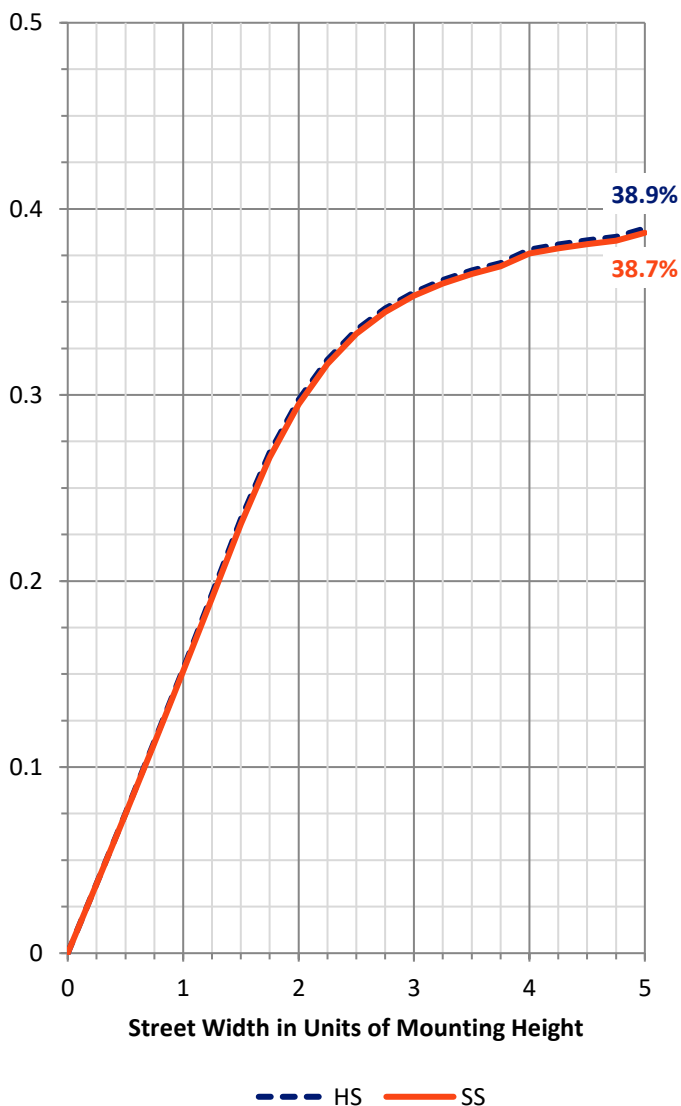
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3305.1	796.0	4101.0
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	3305.1	796.0	4101.0
	% Fixture	40.3	9.7	50.0
Total	Lumens	6610.1	1591.9	8202.0
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	46.8	0.6
20°-30°	101.8	1.2
30°-40°	202.0	2.5
40°-50°	438.0	5.3
50°-60°	1508.5	18.4
60°-70°	2477.5	30.2
70°-80°	1329.7	16.2
80°-90°	496.6	6.1
90°-100°	313.6	3.8
100°-110°	210.0	2.6
110°-120°	230.9	2.8
120°-130°	382.0	4.7
130°-140°	225.0	2.7
140°-150°	119.0	1.5
150°-160°	62.5	0.8
160°-170°	35.5	0.4
170°-180°	13.4	0.2
0°-90°	6610.1	80.6
0°-180°	8202.0	100.0



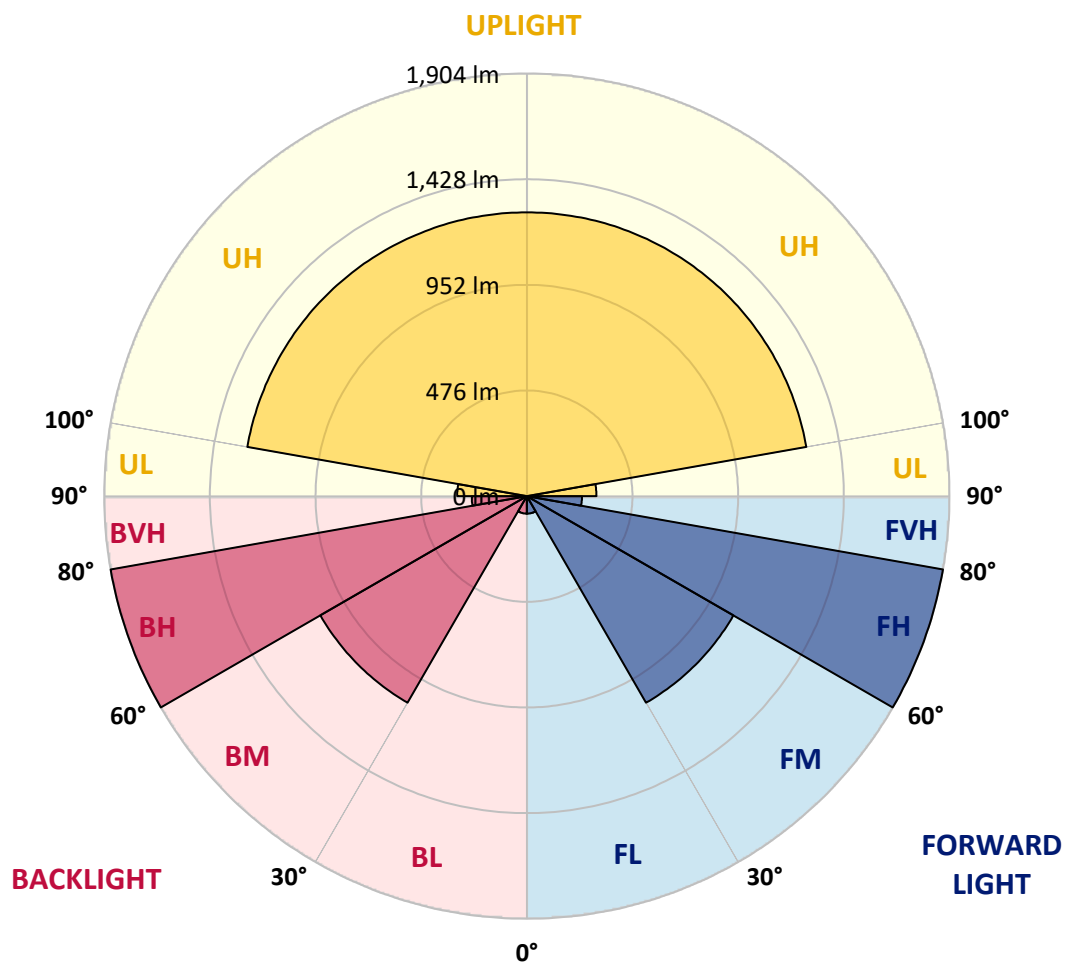
REPORT NUMBER: P856060
 CATALOG NUMBER: FFX-CLB-60-722-U-FR-T5

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°)	1074.2	13.1			
FH (60°-80°)	1903.6	23.2			G2/5000
FVH (80°-90°)	248.3	3.0			G3/500
BL (0°-30°)	79.0	1.0	B0/110		
BM (30°-60°)	1074.2	13.1	B2/2500		
BH (60°-80°)	1903.6	23.2	B3/2500		G2/5000
BVH (80°-90°)	248.3	3.0			G3/500
UL (90°-100°)	313.6	3.8		U3/500	
UH (100°-180°)	1278.3	15.6		U5	

BUG Rating: B3-U5-G3

Type V Short





REPORT NUMBER: P856060

CATALOG NUMBER: FFX-CLB-60-722-U-FR-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2.5°	64.4	64.4	63.5	62.7	63.5	64.4	64.4	65.2	63.5	63.5	64.4
5°	86.1	86.1	86.1	85.3	83.6	83.6	82.8	85.3	86.1	86.9	86.9
7.5°	107.0	106.2	107.8	108.7	104.5	102.8	102.8	103.7	105.3	107.0	108.7
10°	121.2	120.4	121.2	124.6	123.7	121.2	121.2	121.2	123.7	127.9	128.7
12.5°	143.0	143.0	144.6	147.1	148.0	145.5	143.8	143.8	147.1	148.0	147.1
15°	166.4	166.4	165.5	164.7	165.5	164.7	164.7	165.5	168.0	167.2	167.2
17.5°	178.9	178.1	177.2	178.1	178.1	177.2	178.1	179.7	178.9	181.4	182.2
20°	192.3	192.3	190.6	190.6	190.6	191.4	192.3	191.4	192.3	193.1	194.0
22.5°	204.8	204.8	204.0	203.1	204.0	204.8	205.7	204.0	204.0	205.7	205.7
25°	219.0	219.0	219.0	216.5	217.4	218.2	217.4	216.5	217.4	218.2	219.0
27.5°	234.9	234.9	233.2	230.7	231.6	231.6	232.4	230.7	232.4	232.4	232.4
30°	248.3	246.6	245.8	244.1	244.1	245.8	247.5	244.9	245.8	245.8	246.6
32.5°	260.8	260.8	260.0	256.7	255.8	260.8	262.5	261.7	258.3	259.2	260.0
35°	307.6	307.6	301.8	295.9	301.0	300.1	306.8	306.8	306.8	308.5	311.8
37.5°	366.2	368.7	377.9	391.2	391.2	372.0	362.0	361.2	374.5	386.2	385.4
40°	418.0	420.5	418.0	419.7	418.0	418.8	419.7	418.0	410.5	408.0	403.0
42.5°	482.4	483.2	467.3	448.9	450.6	459.8	470.7	471.5	455.6	448.1	446.4
45°	527.5	529.2	523.3	520.8	520.8	524.2	523.3	523.3	517.5	516.6	515.0
47.5°	637.9	634.5	622.8	618.6	623.7	621.1	637.0	632.9	626.2	626.2	632.0
50°	846.0	842.7	843.5	839.3	852.7	833.5	852.7	847.7	837.7	842.7	846.9
52.5°	1186.3	1165.4	1167.9	1159.5	1182.9	1165.4	1197.2	1193.0	1160.4	1174.6	1175.4
55°	1676.2	1649.4	1647.8	1591.7	1635.2	1641.1	1681.2	1691.2	1627.7	1628.5	1632.7
57.5°	2161.9	2153.5	2180.3	2145.2	2176.1	2161.9	2161.1	2179.5	2142.7	2147.7	2161.1
60°	2483.8	2490.4	2520.5	2529.7	2540.6	2520.5	2479.6	2487.9	2485.4	2528.1	2531.4
62.5°	2656.0	2676.0	2654.3	2647.6	2638.4	2645.9	2640.9	2645.9	2630.9	2651.0	2651.8
65°	2650.1	2681.9	2642.6	2618.4	2603.3	2626.7	2633.4	2648.4	2616.7	2604.1	2604.1
67.5°	2482.1	2520.5	2458.7	2456.2	2419.4	2458.7	2447.8	2459.5	2434.4	2416.9	2400.2
70°	2064.9	2100.0	2025.6	2034.8	1971.3	2035.7	2018.9	2040.7	2020.6	1986.3	1966.3
72.5°	1555.8	1586.7	1531.6	1545.8	1504.0	1552.5	1526.5	1563.3	1550.8	1535.7	1519.0
75°	1177.1	1201.3	1204.7	1252.3	1202.2	1225.6	1178.8	1200.5	1221.4	1239.0	1220.6
77.5°	866.1	882.8	933.0	985.6	936.3	953.0	906.2	927.1	946.4	976.4	963.1
80°	612.0	631.2	677.2	716.5	680.5	695.6	665.5	677.2	692.2	713.9	699.7
82.5°	476.5	469.8	468.2	458.1	447.3	484.9	492.4	499.1	484.9	479.0	472.3
85°	399.6	401.3	411.3	423.9	423.9	424.7	417.2	420.5	426.4	437.2	438.1
87.5°	367.0	372.0	400.4	410.5	406.3	408.0	401.3	403.0	407.1	413.0	411.3
90°	323.5	336.1	362.8	372.9	366.2	369.5	366.2	368.7	365.3	367.0	363.7
92.5°	316.0	315.2	323.5	322.7	318.5	328.5	328.5	330.2	326.0	323.5	321.9
95°	292.6	290.9	290.1	292.6	283.4	290.9	289.3	292.6	290.9	290.9	287.6
97.5°	244.9	244.9	243.3	245.8	239.9	243.3	239.1	241.6	240.8	241.6	239.1
100°	225.7	225.7	224.0	224.0	221.5	222.4	220.7	220.7	219.9	219.0	219.0
102.5°	212.3	214.0	211.5	212.3	209.0	209.0	207.3	208.2	207.3	207.3	206.5
105°	199.8	200.6	199.0	199.0	196.5	195.6	194.0	194.8	195.6	194.0	194.0
107.5°	187.3	188.1	187.3	187.3	184.8	183.1	180.6	180.6	181.4	182.2	182.2
110°	192.3	189.8	187.3	185.6	188.9	183.9	182.2	181.4	182.2	184.8	185.6



REPORT NUMBER: P856060
 CATALOG NUMBER: FFX-CLB-60-722-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	229.9	228.2	228.2	220.7	229.1	224.0	220.7	214.9	217.4	219.0	219.0
115°	266.7	267.5	257.5	254.1	249.1	248.3	250.8	244.1	243.3	244.1	242.4
117.5°	299.3	281.7	244.1	234.1	231.6	229.9	228.2	226.6	224.9	234.9	224.0
120°	320.2	290.1	262.5	256.7	270.9	250.8	237.4	234.9	239.9	257.5	255.0
122.5°	453.9	428.0	408.0	372.9	408.0	387.9	392.9	383.7	378.7	368.7	370.3
125°	530.9	530.0	520.8	514.1	522.5	515.0	506.6	503.3	498.3	500.8	496.6
127.5°	493.2	500.8	489.1	502.4	472.3	480.7	479.0	484.9	479.9	481.5	474.8
130°	390.4	396.3	385.4	378.7	365.3	380.4	381.2	390.4	380.4	367.0	365.3
132.5°	341.1	345.3	328.5	320.2	311.0	324.4	330.2	335.2	328.5	314.3	311.0
135°	290.1	291.8	280.1	281.7	275.9	275.9	275.0	277.6	280.9	278.4	276.7
137.5°	249.1	253.3	249.1	254.1	249.1	244.9	238.3	240.8	248.3	254.1	253.3
140°	215.7	219.9	220.7	225.7	215.7	217.4	213.2	214.9	219.0	224.9	227.4
142.5°	191.4	194.8	187.3	183.1	179.7	189.8	197.3	198.1	193.1	186.4	188.9
145°	186.4	183.1	186.4	183.1	186.4	184.8	185.6	184.8	184.8	184.8	184.8
147.5°	188.9	192.3	192.3	192.3	187.3	188.1	188.9	189.8	189.8	193.1	192.3
150°	157.2	161.3	160.5	164.7	157.2	158.8	159.7	161.3	162.2	163.0	163.9
152.5°	132.9	133.8	136.3	137.9	137.1	136.3	135.4	135.4	137.1	138.8	139.6
155°	129.6	129.6	132.1	134.6	132.1	132.1	131.3	131.3	132.1	134.6	134.6
157.5°	124.6	125.4	125.4	127.1	125.4	126.2	125.4	125.4	126.2	127.1	127.9
160°	122.1	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	123.7	123.7
162.5°	122.1	122.1	122.1	121.2	121.2	122.1	122.1	122.1	122.1	121.2	122.1
165°	124.6	123.7	122.9	122.1	122.9	124.6	125.4	125.4	124.6	122.9	123.7
167.5°	129.6	129.6	128.7	127.9	128.7	129.6	130.4	130.4	129.6	128.7	128.7
170°	134.6	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8
172.5°	137.9	137.9	138.8	137.9	138.8	138.8	137.9	137.9	137.9	137.9	138.8
175°	143.0	143.0	143.0	143.0	143.8	143.8	143.8	143.8	143.8	143.8	143.8
177.5°	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3
180°	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1

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.

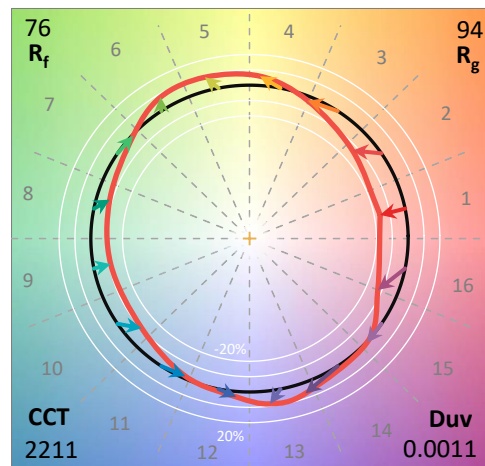
Test Information

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
 R2: 85.0
 R3: 94.0
 R4: 65.1
 R5: 66.6
 R6: 81.8
 R7: 73.4
 R8: 37.3
 R9: -29.2
 R10: 67.8
 R11: 60.7
 R12: 59.0
 R13: 71.3
 R14: 97.6
 R15: 58.9



Test Conditions

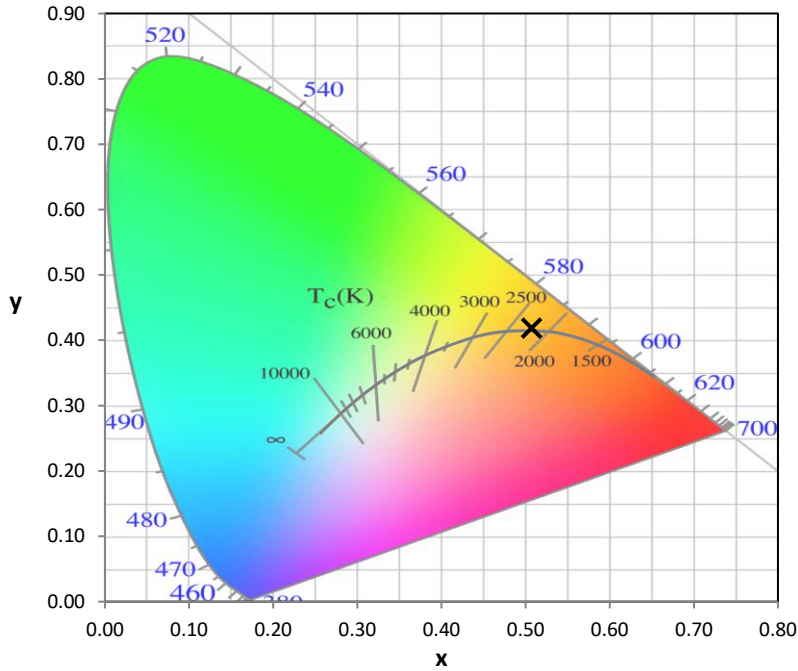
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-2

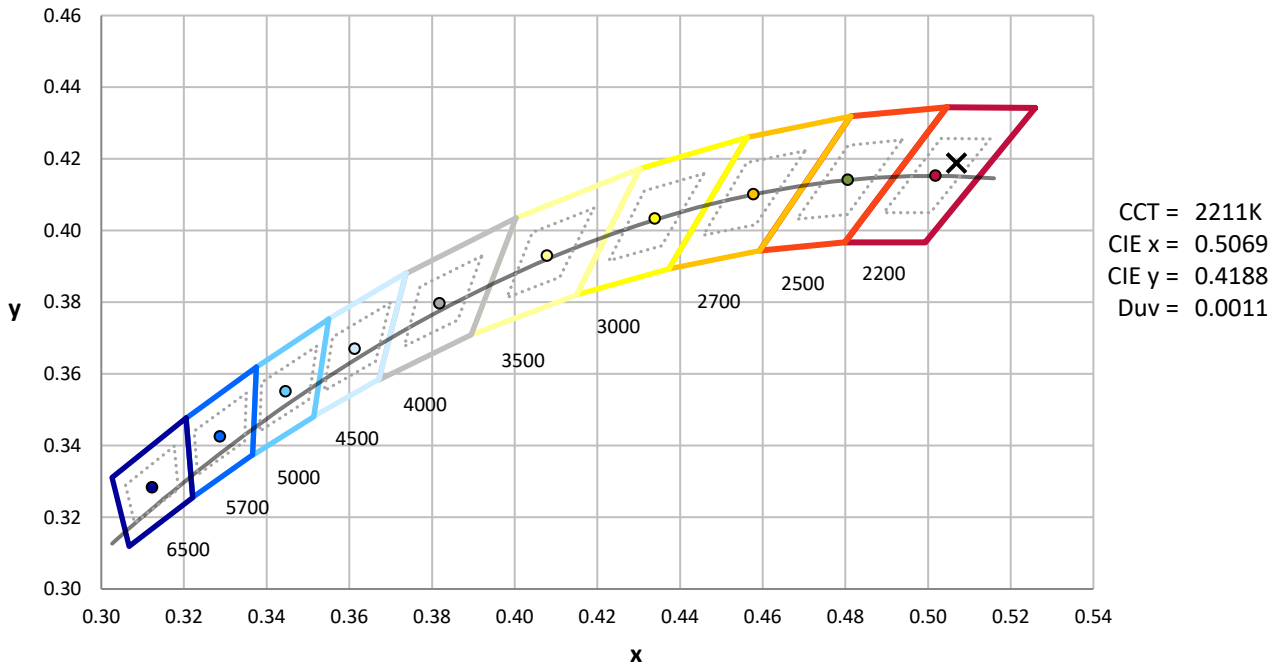
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



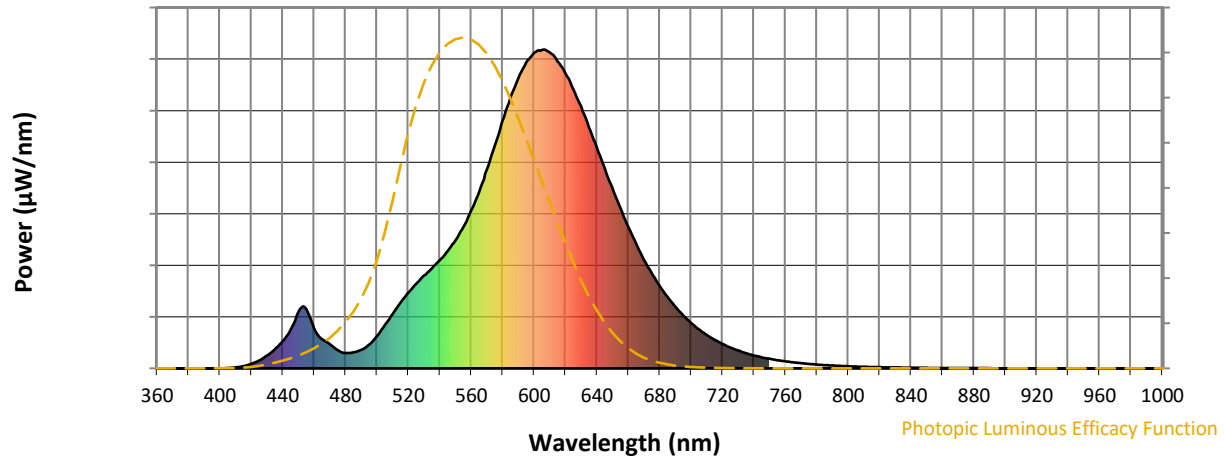
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2406-133-2

Photopic Flux vs. Wavelength

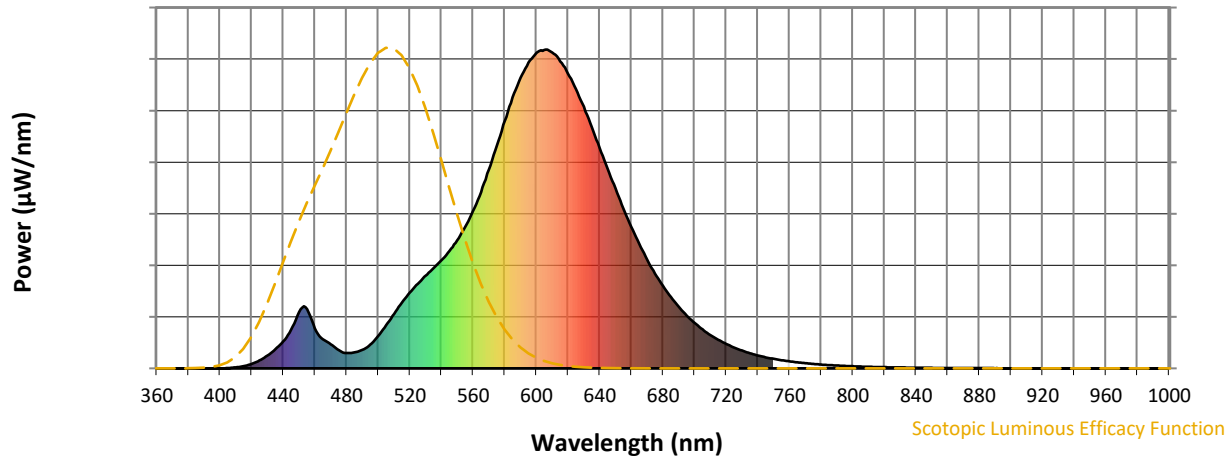


Photopic Lumens: NR

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



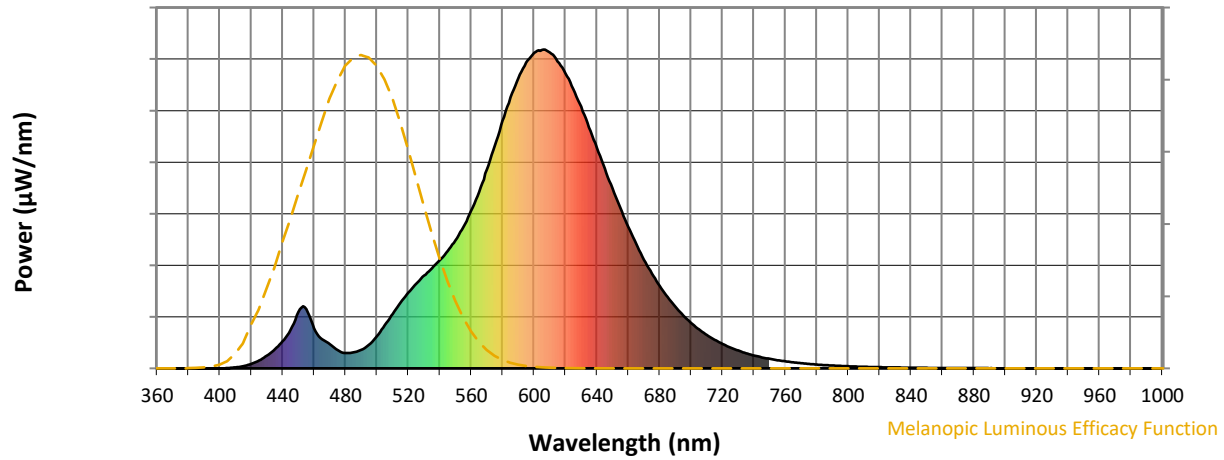
Scotopic Lumens: NR

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

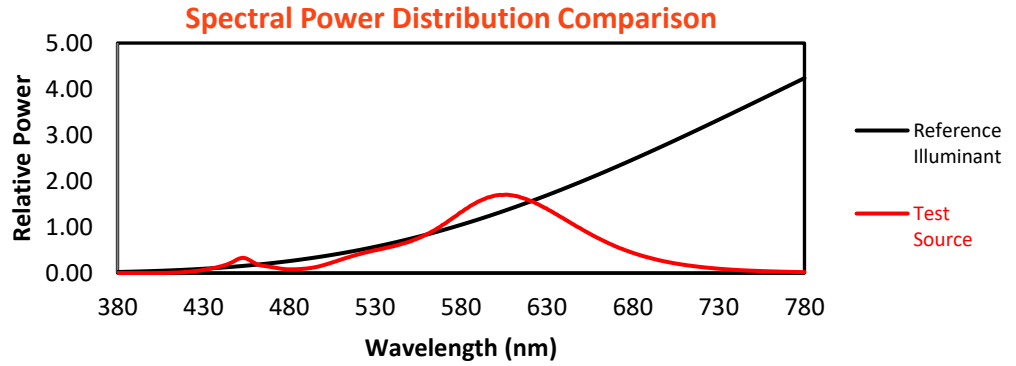
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR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

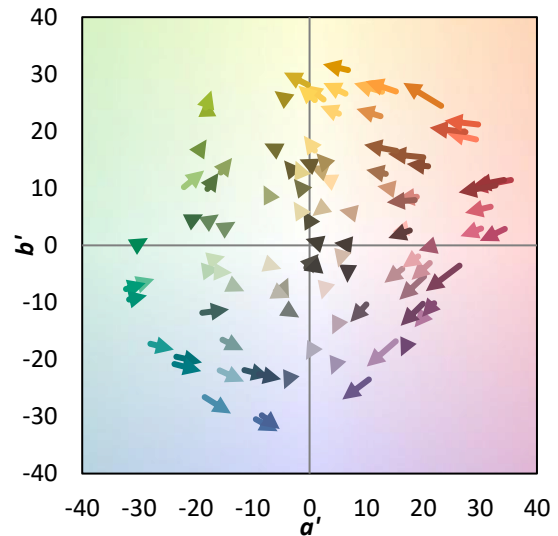
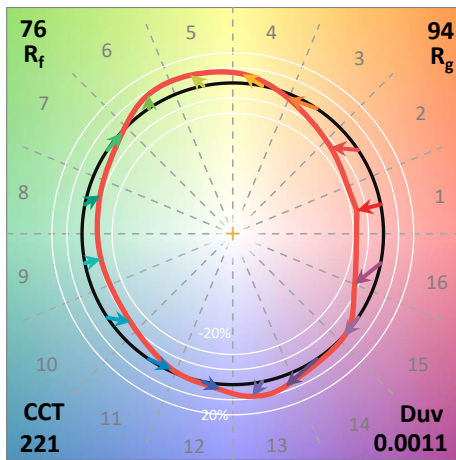
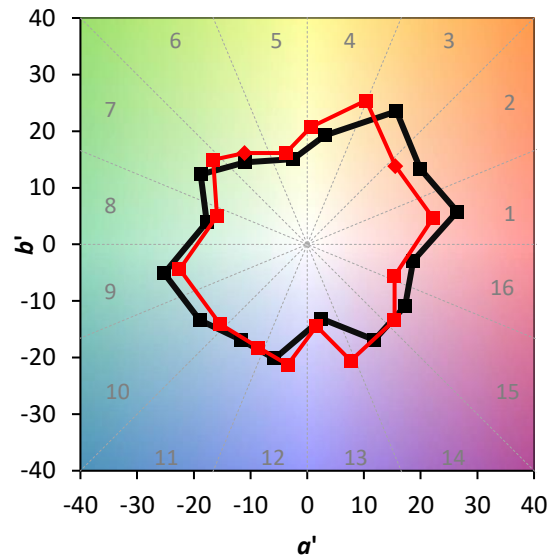
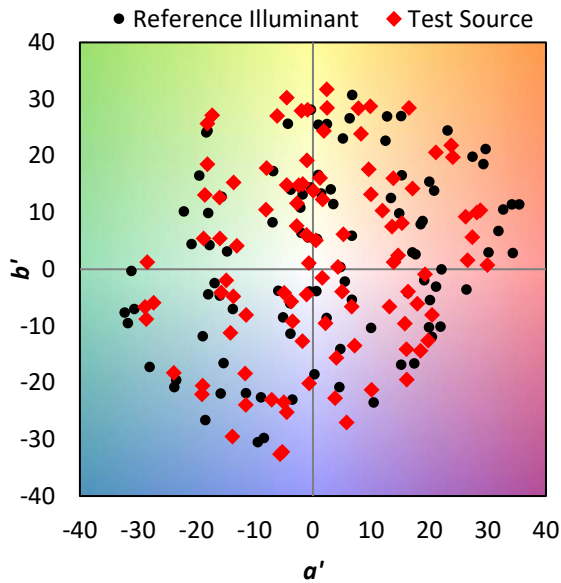
TM-30-18

Summary

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



Color Vector Graphics

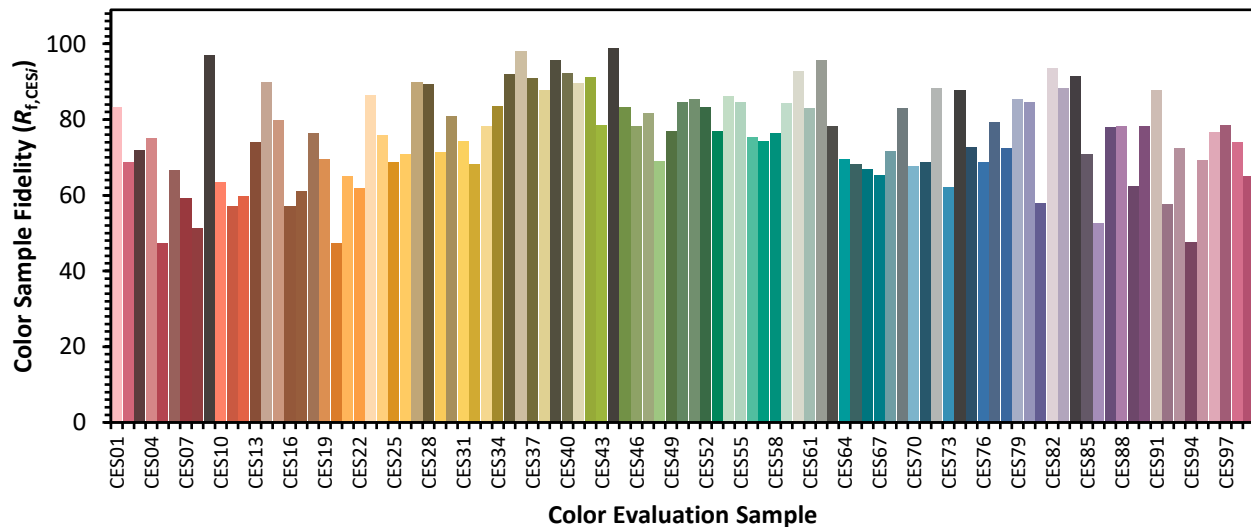


REPORT NUMBER: SP1-2406-133-2

TM-30-18

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

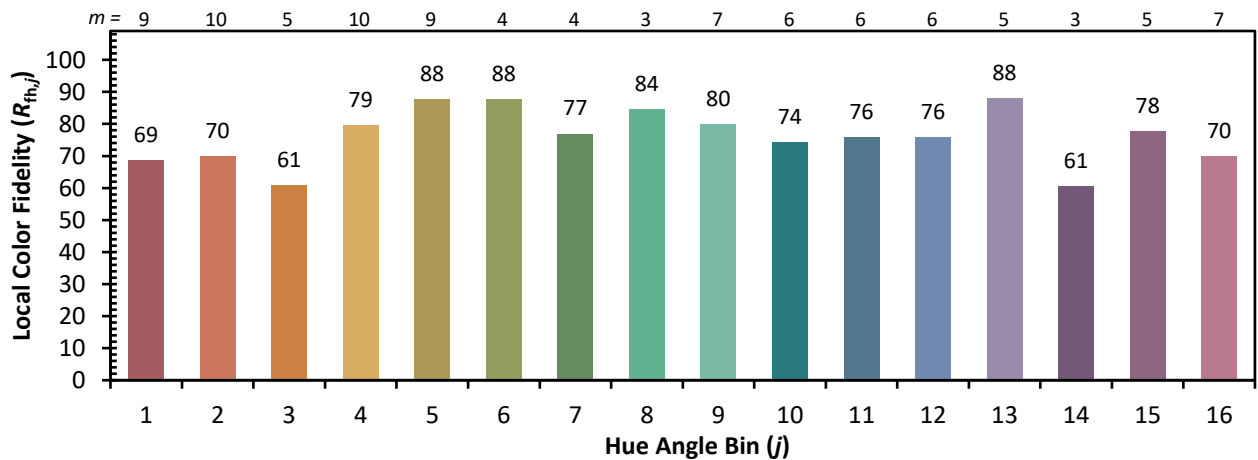
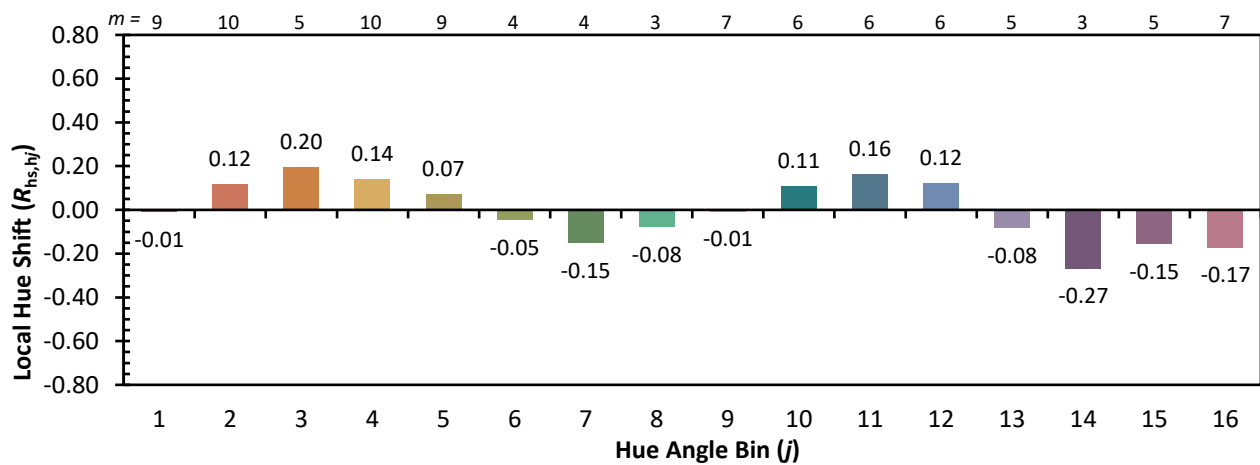
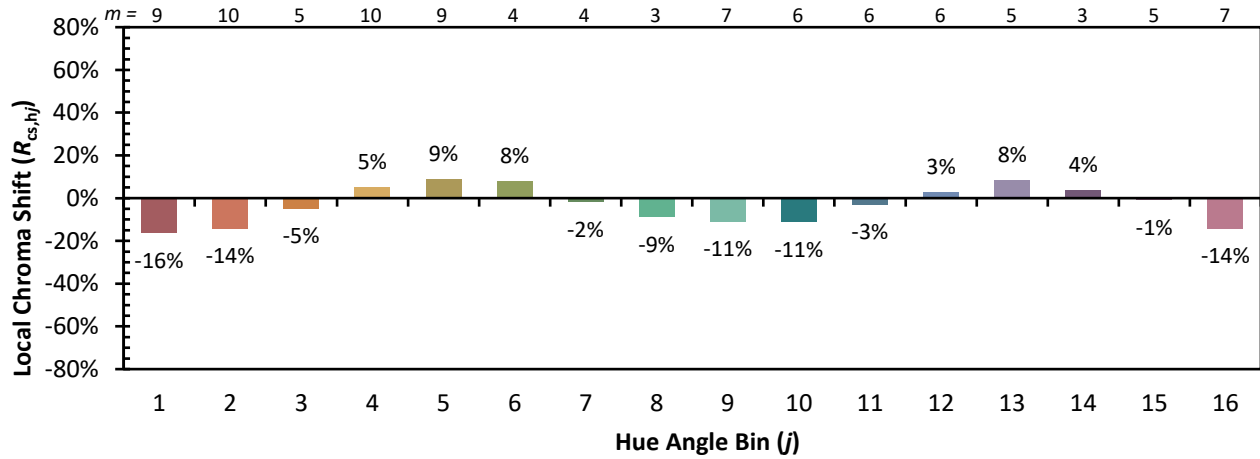
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CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57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

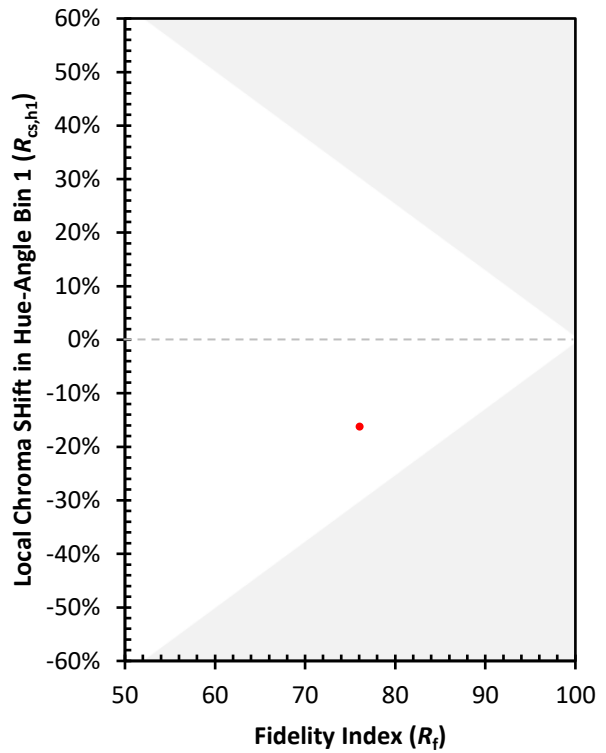
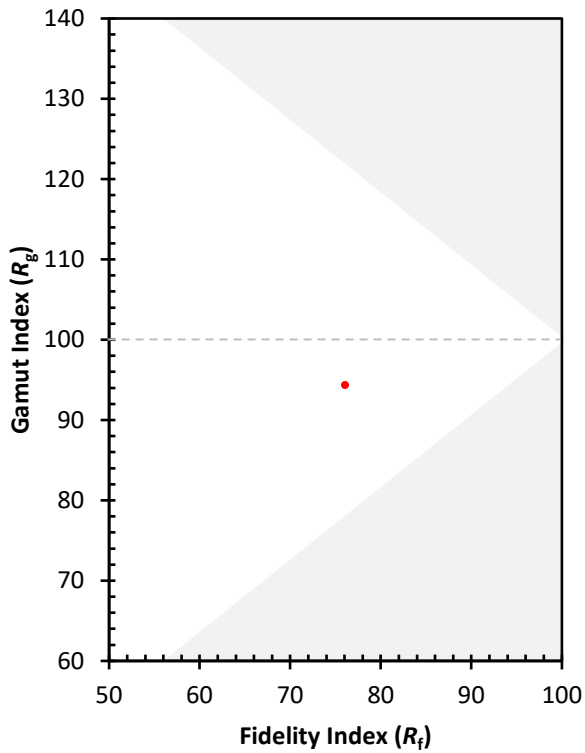
Color Rendition by Hue-Angle Bin



REPORT NUMBER: SP1-2406-133-2

TM-30-18

Measure Comparisons



(END OF REPORT)