

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: P856059

Luminaire Tested: **FFX-CLB-70-722-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856059
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-70-722-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

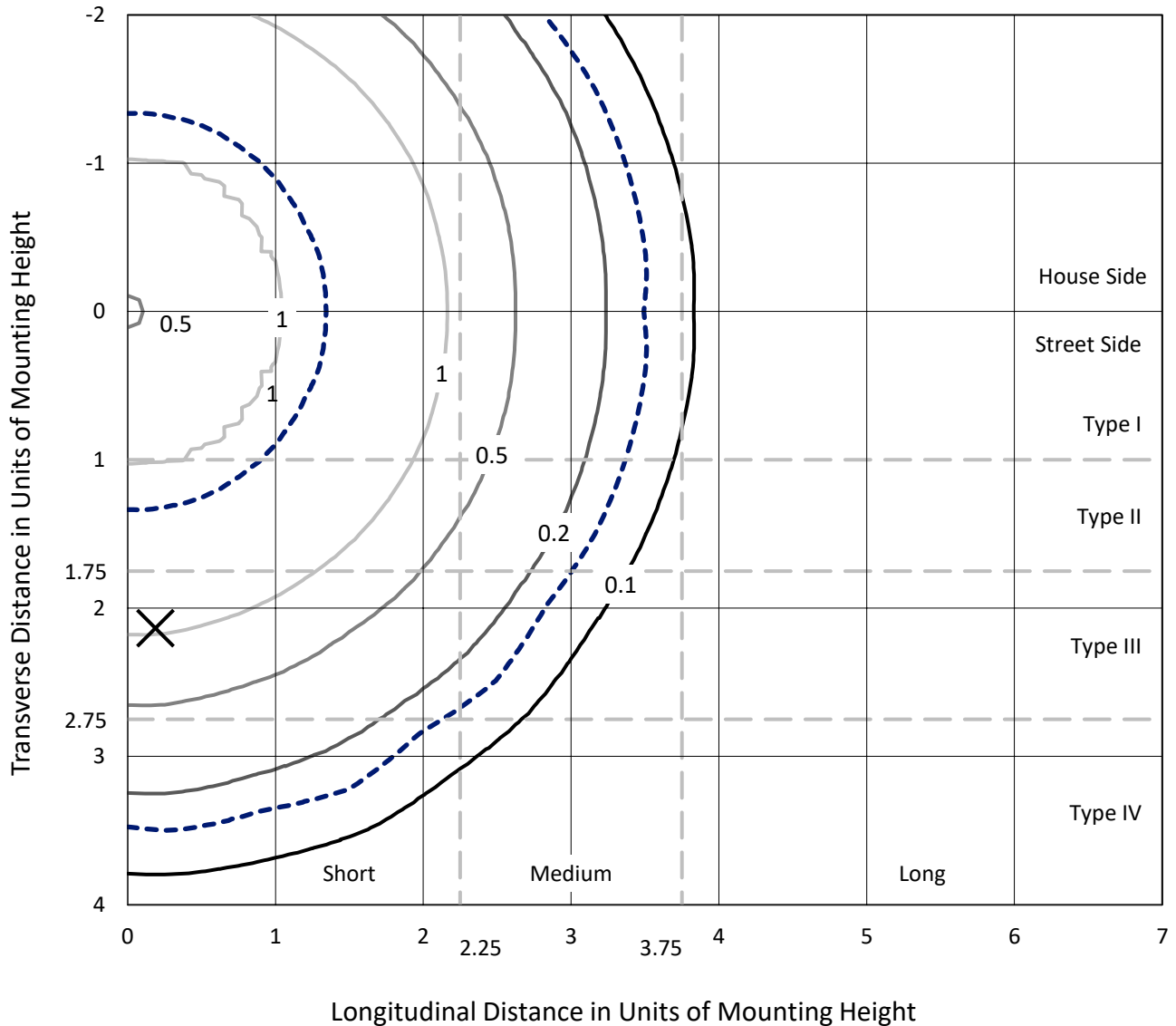
Lumens per Lamp: N/A
Luminaire Lumens: 9652.5 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G3

Input Watts (W): 70.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 7.1%%
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

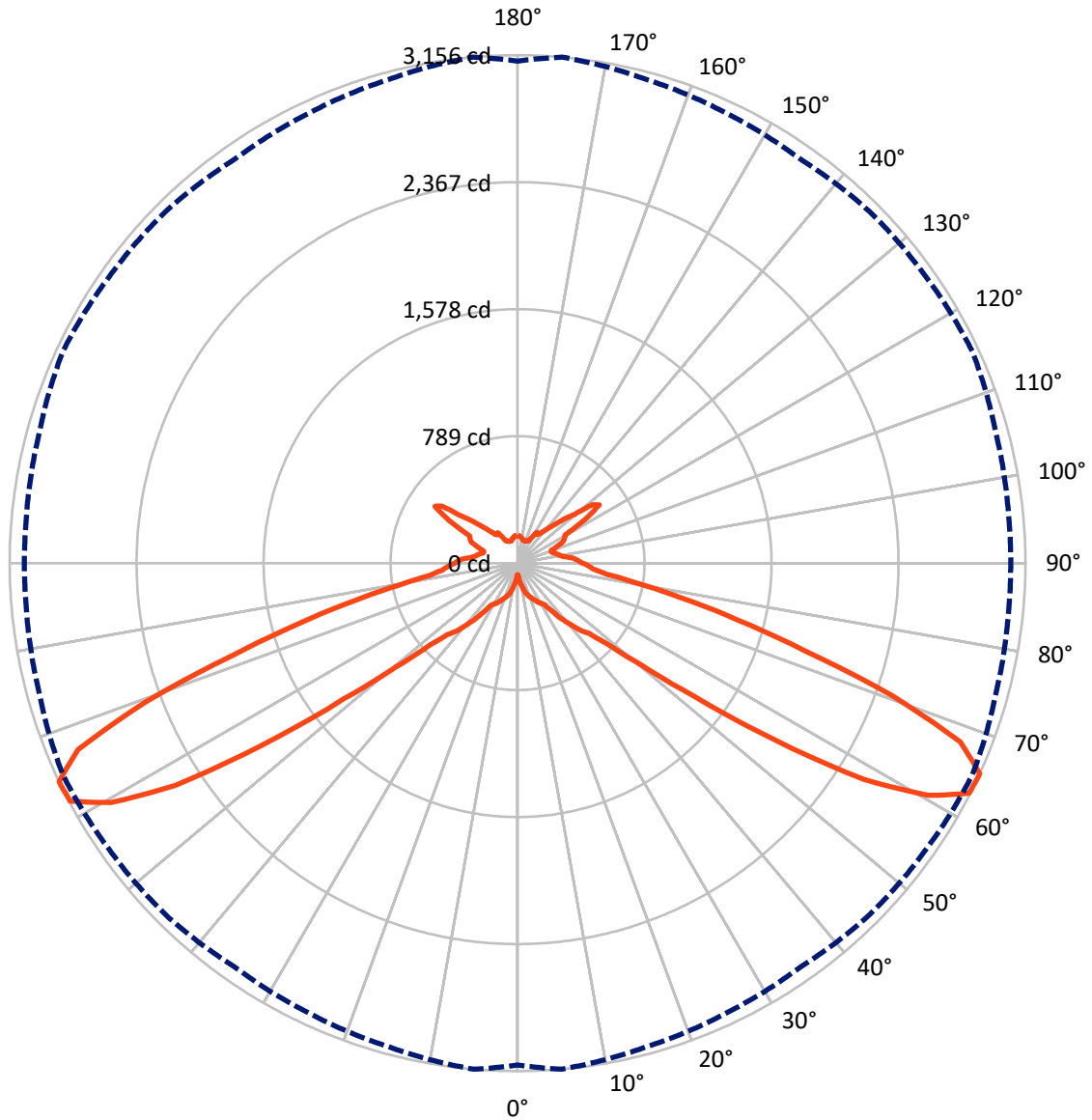
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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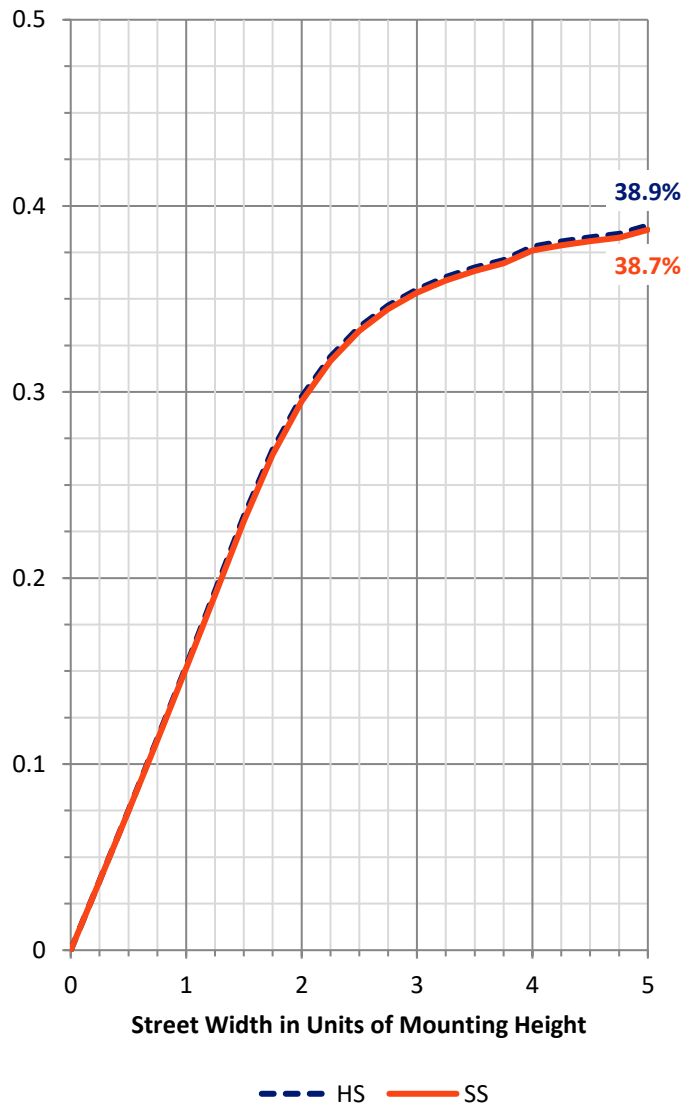
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3889.5	936.7	4826.3
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	3889.5	936.7	4826.3
	% Fixture	40.3	9.7	50.0
Total	Lumens	7779.1	1873.4	9652.5
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.1
10°-20°	55.1	0.6
20°-30°	119.8	1.2
30°-40°	237.7	2.5
40°-50°	515.5	5.3
50°-60°	1775.2	18.4
60°-70°	2915.6	30.2
70°-80°	1564.9	16.2
80°-90°	584.4	6.1
90°-100°	369.1	3.8
100°-110°	247.2	2.6
110°-120°	271.7	2.8
120°-130°	449.6	4.7
130°-140°	264.8	2.7
140°-150°	140.1	1.5
150°-160°	73.6	0.8
160°-170°	41.8	0.4
170°-180°	15.7	0.2
0°-90°	7779.1	80.6
0°-180°	9652.5	100.0



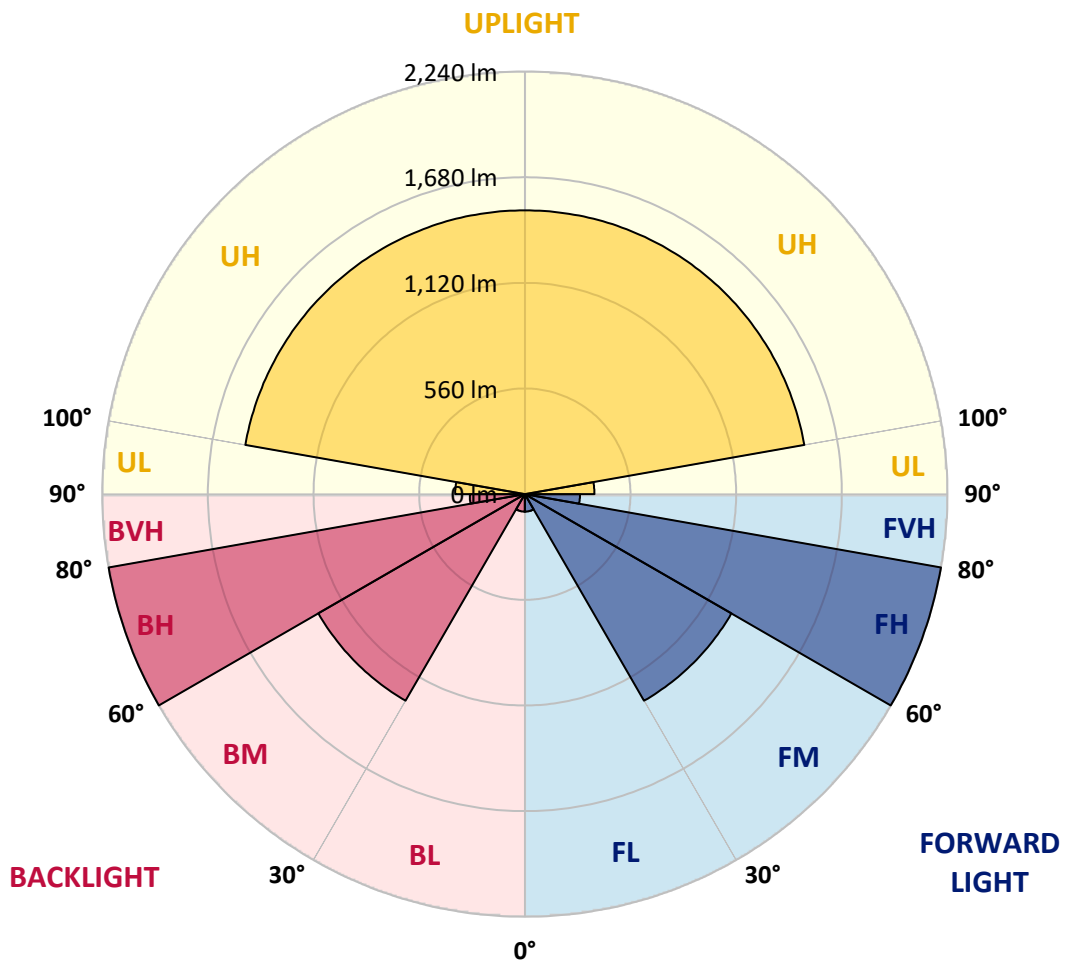
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.9	1.0			
FM (30°-60°)	1264.2	13.1			
FH (60°-80°)	2240.3	23.2			G2/5000
FVH (80°-90°)	292.2	3.0			G3/500
BL (0°-30°)	92.9	1.0	B0/110		
BM (30°-60°)	1264.2	13.1	B2/2500		
BH (60°-80°)	2240.3	23.2	B3/2500		G2/5000
BVH (80°-90°)	292.2	3.0			G3/500
UL (90°-100°)	369.1	3.8		U3/500	
UH (100°-180°)	1504.3	15.6		U5	

BUG Rating: B3-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
2.5°	75.8	75.8	74.8	73.8	74.8	75.8	75.8	76.7	74.8	74.8	75.8
5°	101.3	101.3	101.3	100.4	98.4	98.4	97.4	100.4	101.3	102.3	102.3
7.5°	125.9	124.9	126.9	127.9	123.0	121.0	121.0	122.0	124.0	125.9	127.9
10°	142.7	141.7	142.7	146.6	145.6	142.7	142.7	142.7	145.6	150.5	151.5
12.5°	168.2	168.2	170.2	173.2	174.1	171.2	169.2	169.2	173.2	174.1	173.2
15°	195.8	195.8	194.8	193.8	194.8	193.8	193.8	194.8	197.8	196.8	196.8
17.5°	210.5	209.6	208.6	209.6	209.6	208.6	209.6	211.5	210.5	213.5	214.5
20°	226.3	226.3	224.3	224.3	224.3	225.3	226.3	225.3	226.3	227.3	228.3
22.5°	241.0	241.0	240.1	239.1	240.1	241.0	242.0	240.1	240.1	242.0	242.0
25°	257.8	257.8	257.8	254.8	255.8	256.8	255.8	254.8	255.8	256.8	257.8
27.5°	276.5	276.5	274.5	271.5	272.5	272.5	273.5	271.5	273.5	273.5	273.5
30°	292.2	290.2	289.2	287.3	287.3	289.2	291.2	288.3	289.2	289.2	290.2
32.5°	307.0	307.0	306.0	302.0	301.1	307.0	308.9	307.9	304.0	305.0	306.0
35°	362.1	362.1	355.2	348.3	354.2	353.2	361.1	361.1	361.1	363.0	367.0
37.5°	430.9	433.9	444.7	460.4	460.4	437.8	426.0	425.0	440.8	454.5	453.6
40°	491.9	494.9	491.9	493.9	491.9	492.9	493.9	491.9	483.1	480.1	474.2
42.5°	567.7	568.7	550.0	528.3	530.3	541.1	553.9	554.9	536.2	527.3	525.4
45°	620.8	622.8	615.9	612.9	612.9	616.9	615.9	615.9	609.0	608.0	606.0
47.5°	750.7	746.7	733.0	728.0	733.9	731.0	749.7	744.8	736.9	736.9	743.8
50°	995.6	991.7	992.7	987.8	1003.5	980.9	1003.5	997.6	985.8	991.7	996.6
52.5°	1396.1	1371.5	1374.4	1364.6	1392.1	1371.5	1408.9	1403.9	1365.6	1382.3	1383.3
55°	1972.6	1941.1	1939.1	1873.2	1924.4	1931.3	1978.5	1990.3	1915.5	1916.5	1921.4
57.5°	2544.2	2534.4	2565.9	2524.5	2560.9	2544.2	2543.2	2564.9	2521.6	2527.5	2543.2
60°	2923.0	2930.9	2966.3	2977.1	2989.9	2966.3	2918.1	2927.9	2925.0	2975.1	2979.1
62.5°	3125.7	3149.3	3123.7	3115.8	3105.0	3113.9	3108.0	3113.9	3096.1	3119.8	3120.7
65°	3118.8	3156.2	3109.9	3081.4	3063.7	3091.2	3099.1	3116.8	3079.4	3064.7	3064.7
67.5°	2921.0	2966.3	2893.5	2890.5	2847.2	2893.5	2880.7	2894.5	2864.9	2844.3	2824.6
70°	2430.1	2471.4	2383.8	2394.7	2319.9	2395.7	2376.0	2401.6	2377.9	2337.6	2314.0
72.5°	1830.9	1867.3	1802.4	1819.1	1769.9	1827.0	1796.5	1839.8	1825.0	1807.3	1787.6
75°	1385.2	1413.8	1417.7	1473.8	1414.8	1442.3	1387.2	1412.8	1437.4	1458.1	1436.4
77.5°	1019.3	1038.9	1098.0	1159.9	1101.9	1121.6	1066.5	1091.1	1113.7	1149.1	1133.4
80°	720.2	742.8	796.9	843.2	800.8	818.6	783.1	796.9	814.6	840.2	823.5
82.5°	560.8	552.9	551.0	539.1	526.4	570.6	579.5	587.4	570.6	563.7	555.9
85°	470.3	472.2	484.0	498.8	498.8	499.8	490.9	494.9	501.8	514.5	515.5
87.5°	431.9	437.8	471.3	483.1	478.1	480.1	472.2	474.2	479.1	486.0	484.0
90°	380.7	395.5	427.0	438.8	430.9	434.9	430.9	433.9	429.9	431.9	428.0
92.5°	371.9	370.9	380.7	379.8	374.8	386.6	386.6	388.6	383.7	380.7	378.8
95°	344.3	342.4	341.4	344.3	333.5	342.4	340.4	344.3	342.4	342.4	338.4
97.5°	288.3	288.3	286.3	289.2	282.4	286.3	281.4	284.3	283.3	284.3	281.4
100°	265.6	265.6	263.7	263.7	260.7	261.7	259.7	259.7	258.7	257.8	257.8
102.5°	249.9	251.9	248.9	249.9	246.0	246.0	244.0	245.0	244.0	244.0	243.0
105°	235.1	236.1	234.2	234.2	231.2	230.2	228.3	229.2	230.2	228.3	228.3
107.5°	220.4	221.4	220.4	220.4	217.4	215.5	212.5	212.5	213.5	214.5	214.5
110°	226.3	223.3	220.4	218.4	222.3	216.4	214.5	213.5	214.5	217.4	218.4



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 CATALOG NUMBER: FFX-CLB-70-722-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	270.6	268.6	268.6	259.7	269.6	263.7	259.7	252.8	255.8	257.8	257.8
115°	313.8	314.8	303.0	299.1	293.2	292.2	295.2	287.3	286.3	287.3	285.3
117.5°	352.2	331.6	287.3	275.5	272.5	270.6	268.6	266.6	264.7	276.5	263.7
120°	376.8	341.4	308.9	302.0	318.8	295.2	279.4	276.5	282.4	303.0	300.1
122.5°	534.2	503.7	480.1	438.8	480.1	456.5	462.4	451.6	445.7	433.9	435.8
125°	624.7	623.8	612.9	605.1	614.9	606.0	596.2	592.3	586.4	589.3	584.4
127.5°	580.5	589.3	575.5	591.3	555.9	565.7	563.7	570.6	564.7	566.7	558.8
130°	459.5	466.3	453.6	445.7	429.9	447.6	448.6	459.5	447.6	431.9	429.9
132.5°	401.4	406.3	386.6	376.8	366.0	381.7	388.6	394.5	386.6	369.9	366.0
135°	341.4	343.4	329.6	331.6	324.7	324.7	323.7	326.6	330.6	327.6	325.7
137.5°	293.2	298.1	293.2	299.1	293.2	288.3	280.4	283.3	292.2	299.1	298.1
140°	253.8	258.7	259.7	265.6	253.8	255.8	250.9	252.8	257.8	264.7	267.6
142.5°	225.3	229.2	220.4	215.5	211.5	223.3	232.2	233.2	227.3	219.4	222.3
145°	219.4	215.5	219.4	215.5	219.4	217.4	218.4	217.4	217.4	217.4	217.4
147.5°	222.3	226.3	226.3	226.3	220.4	221.4	222.3	223.3	223.3	227.3	226.3
150°	185.0	189.9	188.9	193.8	185.0	186.9	187.9	189.9	190.9	191.8	192.8
152.5°	156.4	157.4	160.4	162.3	161.3	160.4	159.4	159.4	161.3	163.3	164.3
155°	152.5	152.5	155.4	158.4	155.4	155.4	154.5	154.5	155.4	158.4	158.4
157.5°	146.6	147.6	147.6	149.5	147.6	148.6	147.6	147.6	148.6	149.5	150.5
160°	143.6	144.6	144.6	144.6	144.6	144.6	144.6	144.6	144.6	145.6	145.6
162.5°	143.6	143.6	143.6	142.7	142.7	143.6	143.6	143.6	143.6	142.7	143.6
165°	146.6	145.6	144.6	143.6	144.6	146.6	147.6	147.6	146.6	144.6	145.6
167.5°	152.5	152.5	151.5	150.5	151.5	152.5	153.5	153.5	152.5	151.5	151.5
170°	158.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4
172.5°	162.3	162.3	163.3	162.3	163.3	163.3	162.3	162.3	162.3	162.3	163.3
175°	168.2	168.2	168.2	168.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
177.5°	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2
180°	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2

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: SP1-2406-133-2

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.

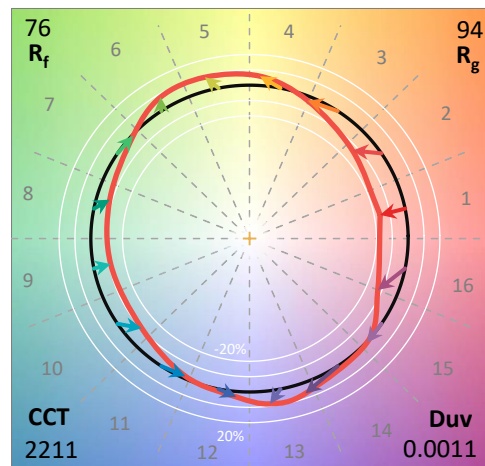
Test Information

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

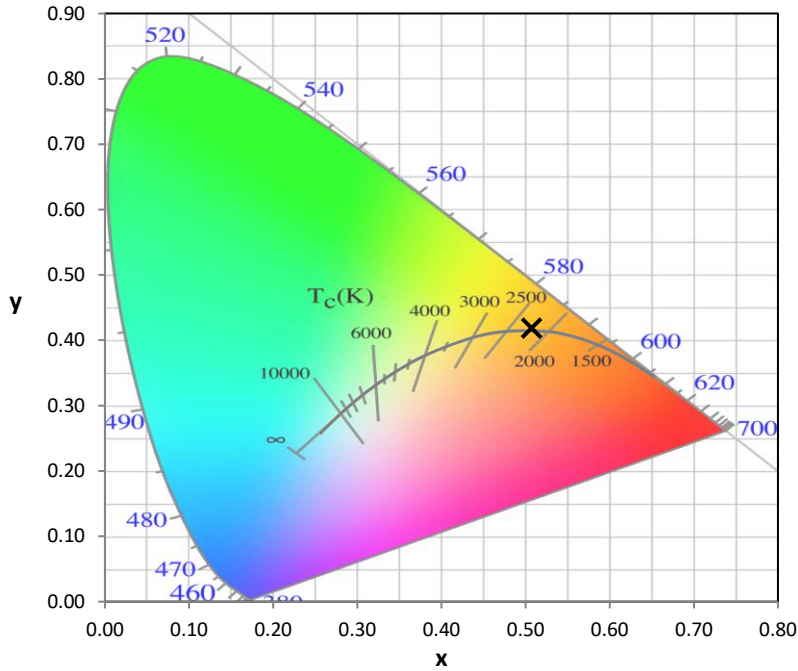
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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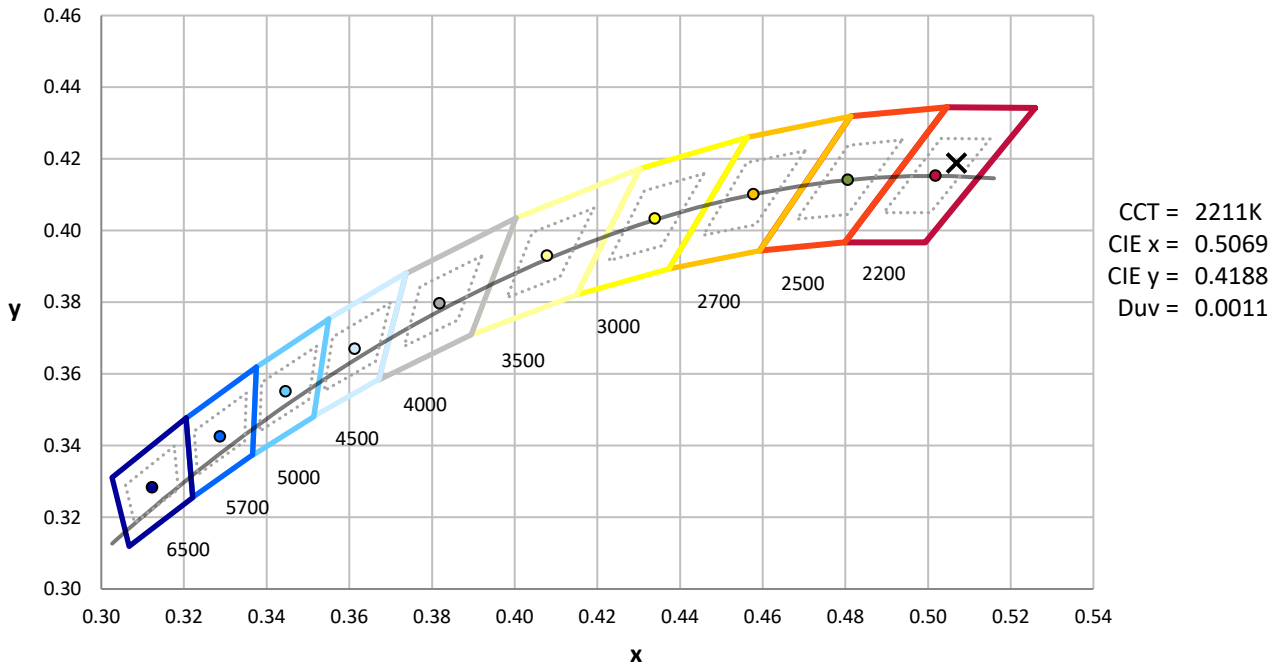
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



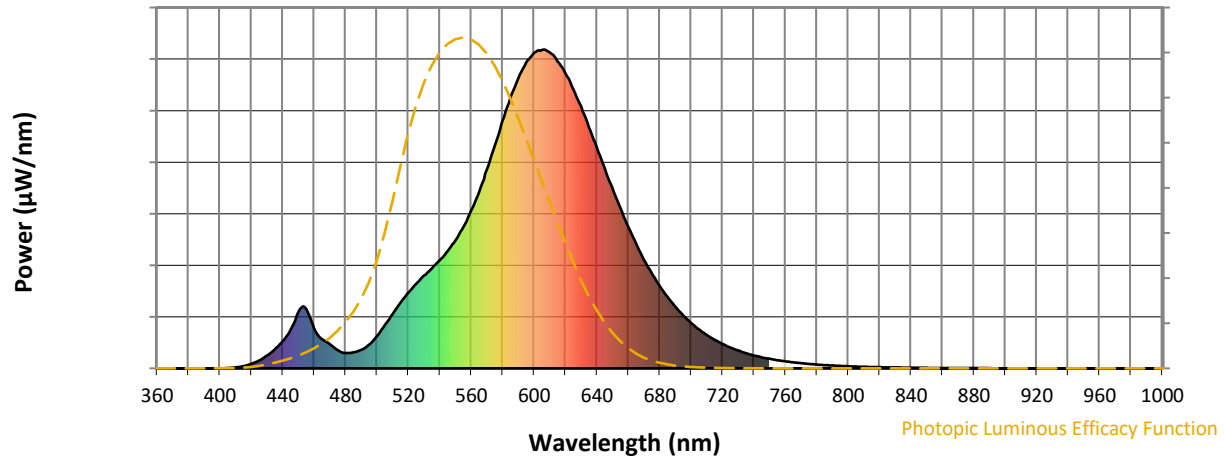
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

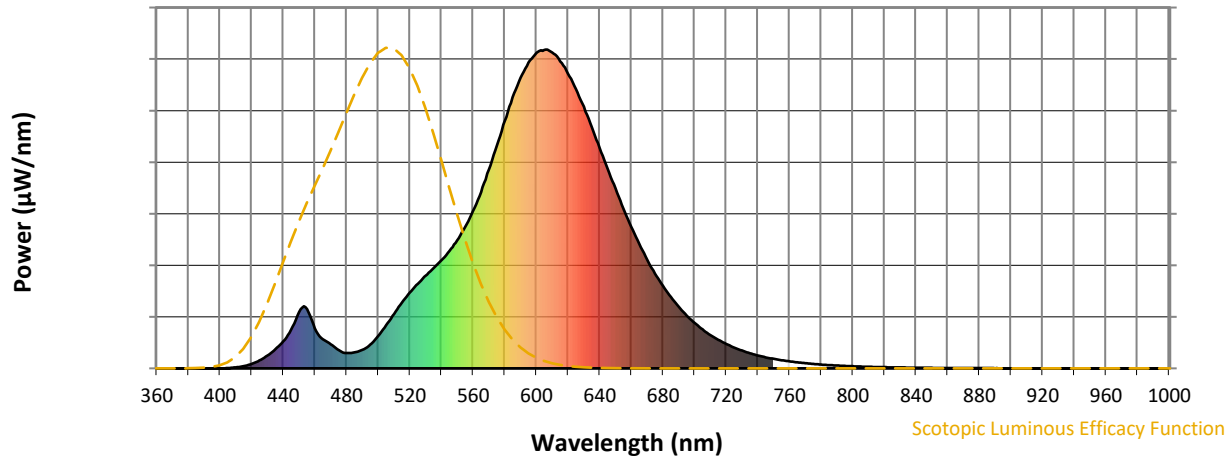


Photopic Lumens: NR

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



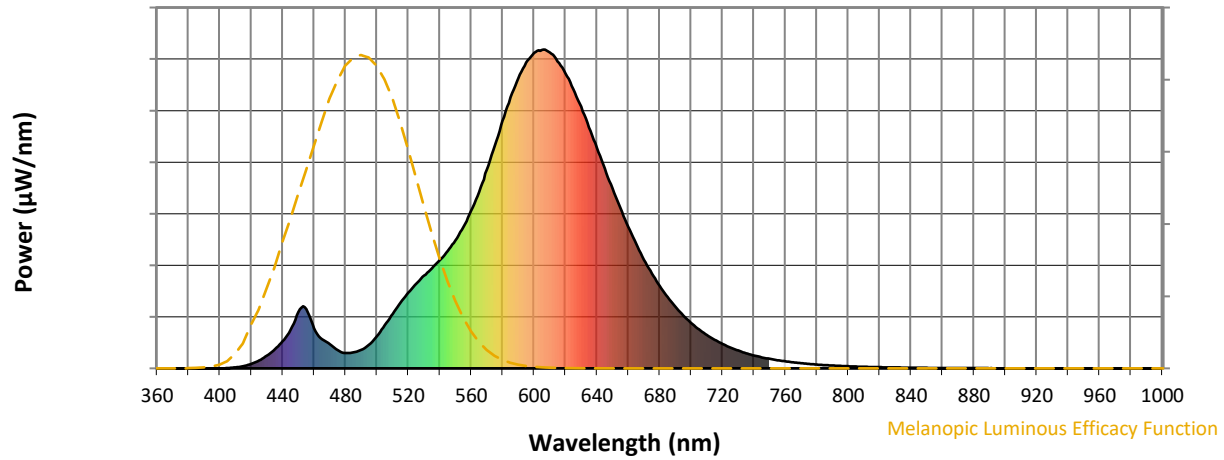
Scotopic Lumens: NR

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

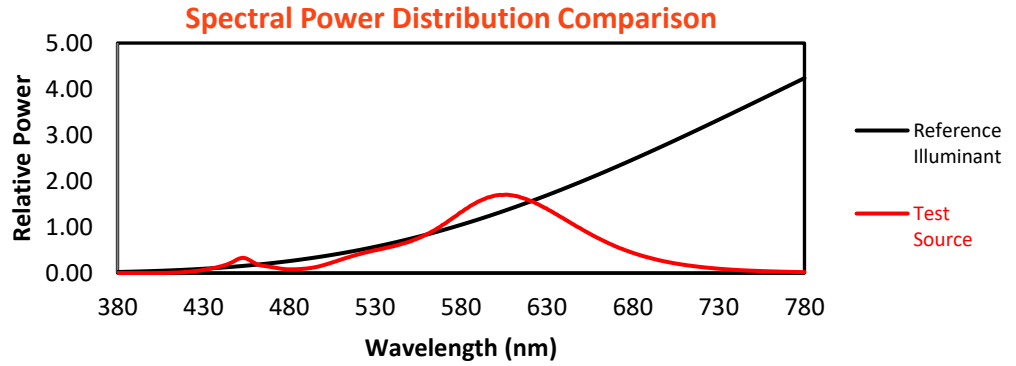
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	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
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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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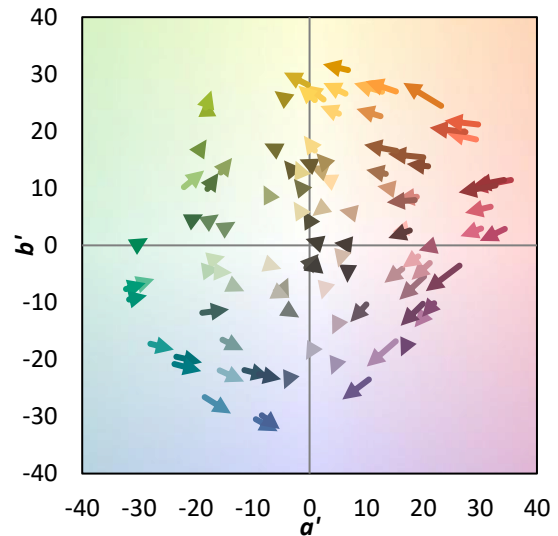
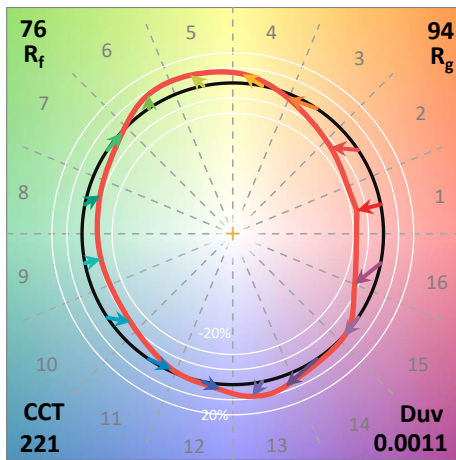
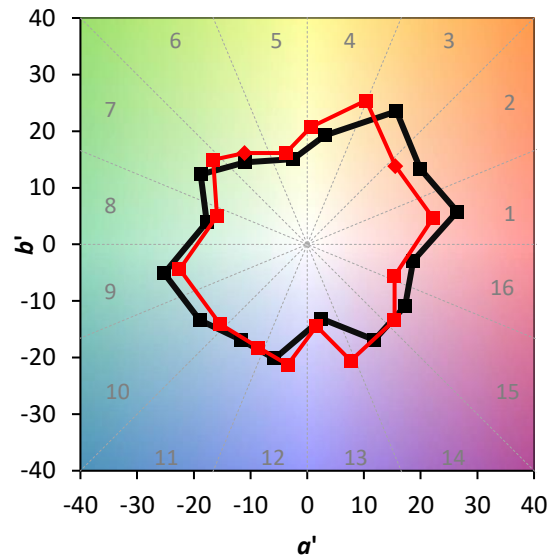
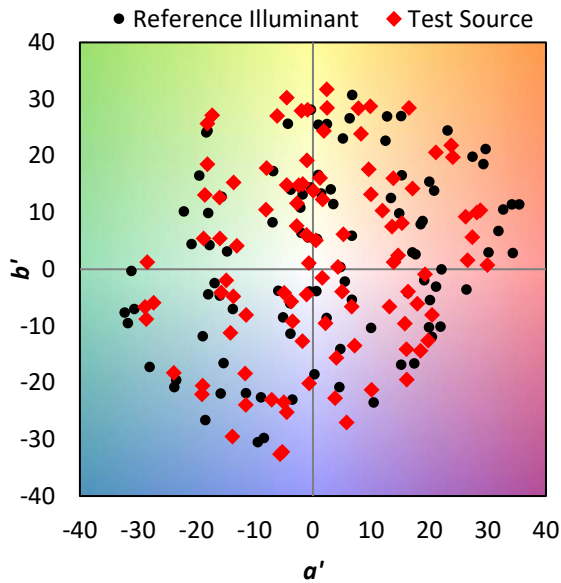
TM-30-18

Summary

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



Color Vector Graphics

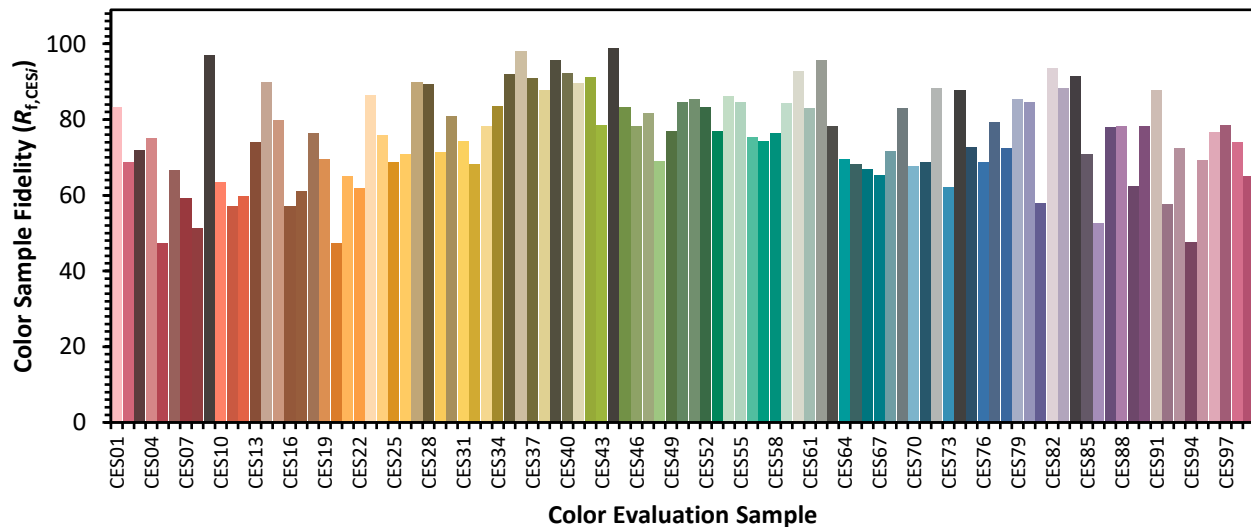


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Individual Sample Fidelity Index ($R_{f,i}$)

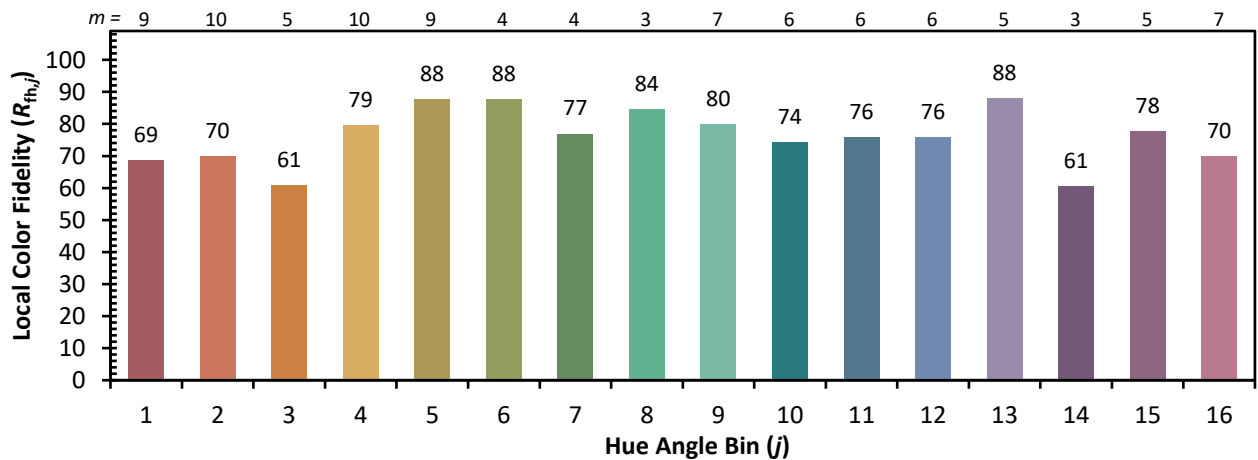
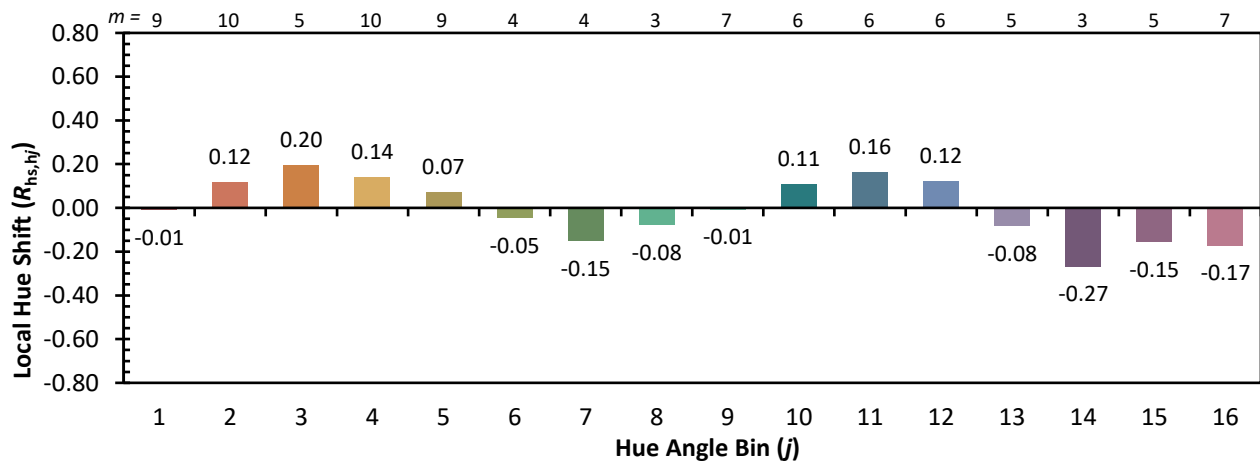
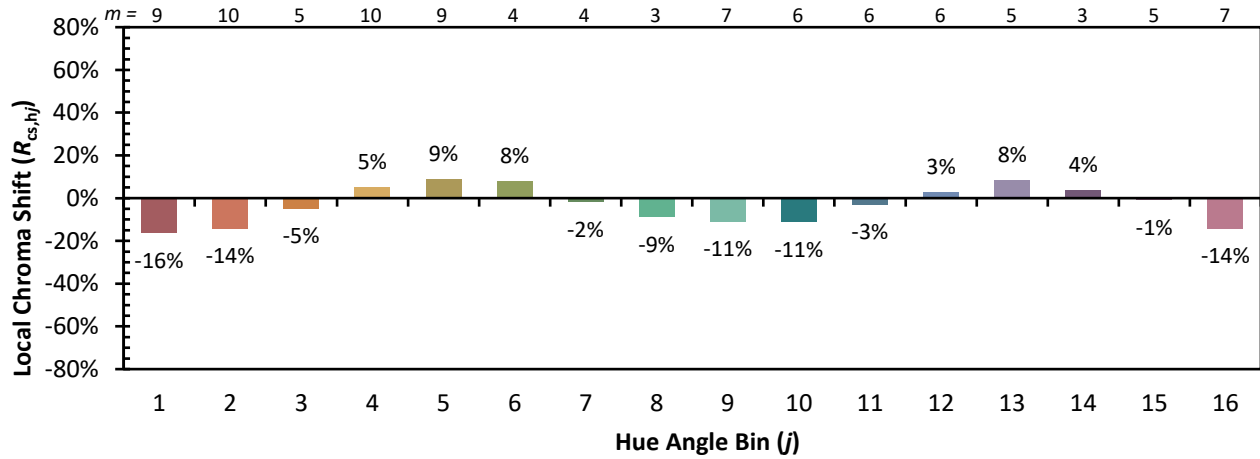
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CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57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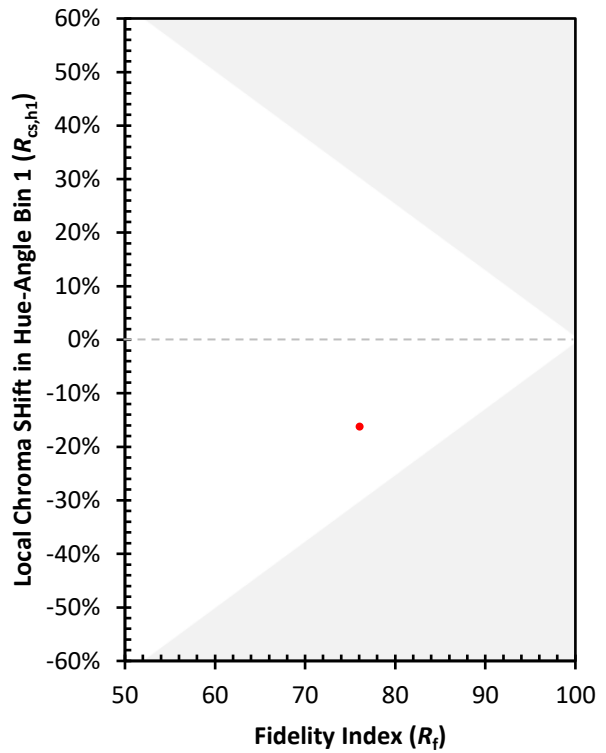
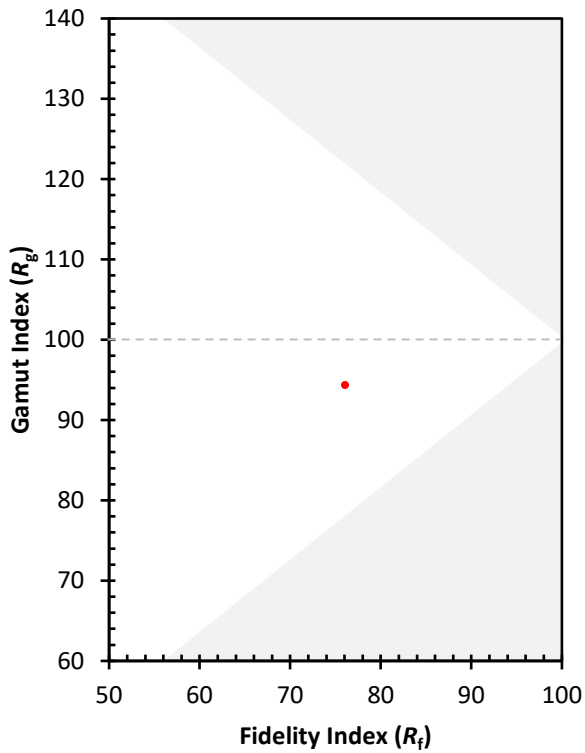
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)