

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: P856148

Luminaire Tested: **FFX-CLB-80-722-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856148
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-80-722-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

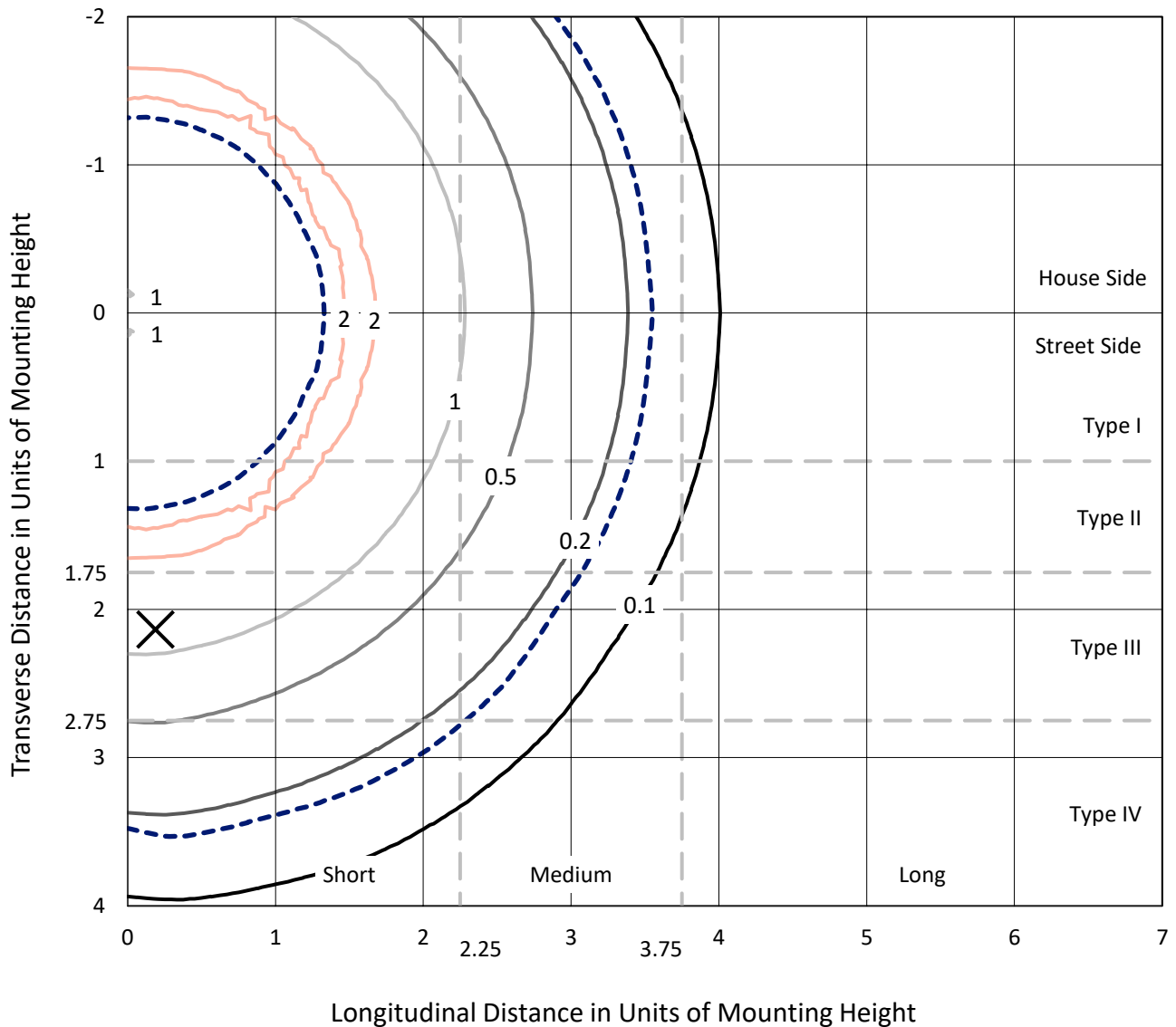
Lumens per Lamp: N/A
Luminaire Lumens: 10817.9 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B4 - U4 - G3

Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 6.1%%
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

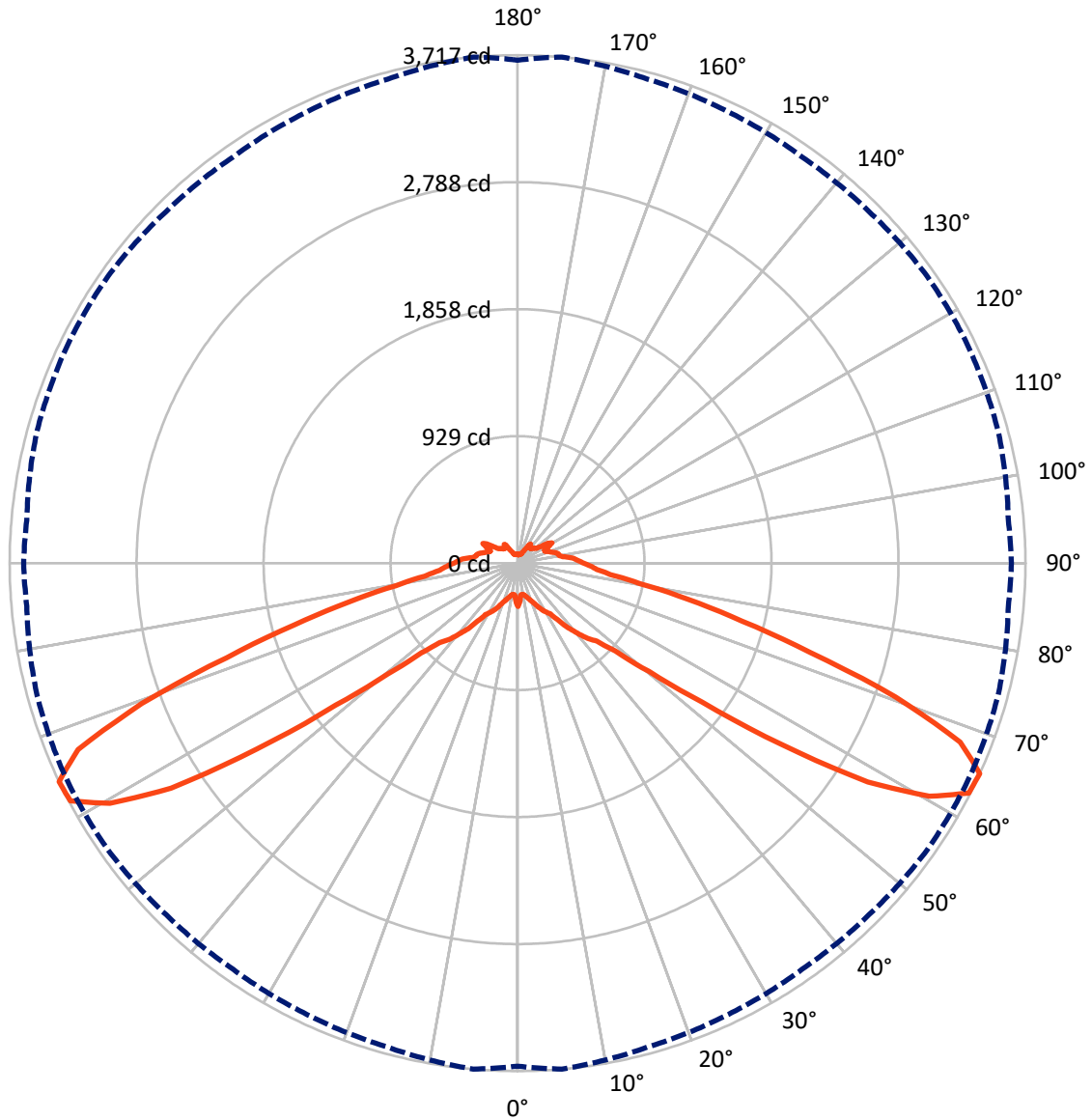
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 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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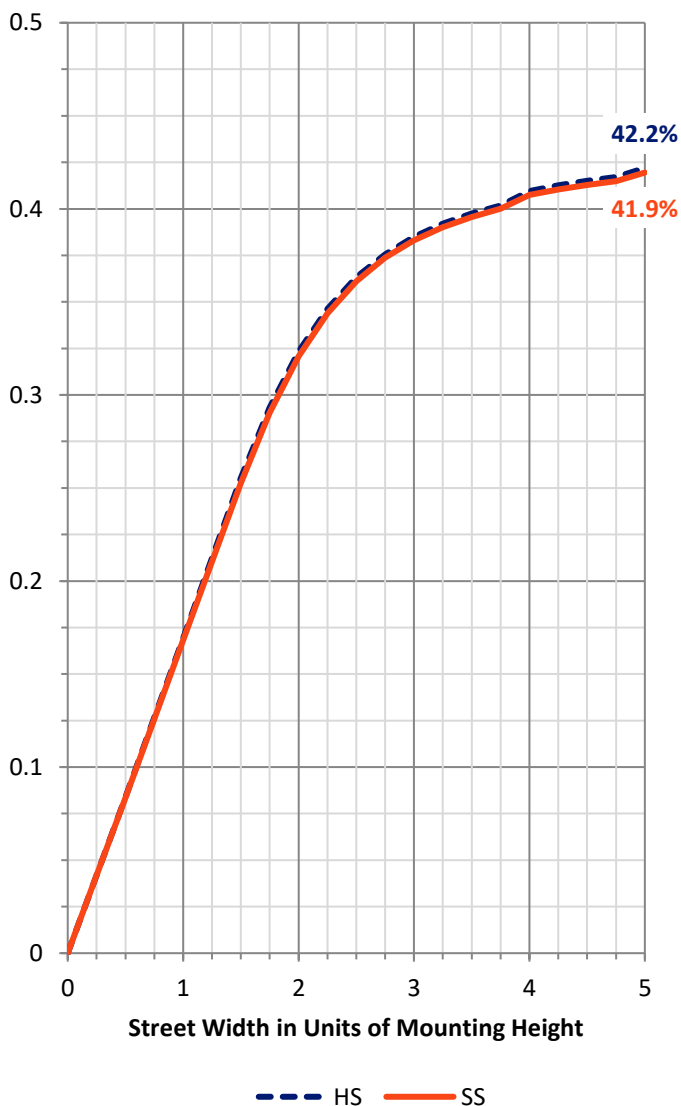
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4725.4	683.5	5408.9
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	4725.4	683.5	5408.9
	% Fixture	43.7	6.3	50.0
Total	Lumens	9450.8	1367.1	10817.9
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	0.2
10°-20°	75.9	0.7
20°-30°	164.7	1.5
30°-40°	333.5	3.1
40°-50°	672.4	6.2
50°-60°	2137.8	19.8
60°-70°	3447.6	31.9
70°-80°	1880.1	17.4
80°-90°	715.9	6.6
90°-100°	429.6	4.0
100°-110°	274.0	2.5
110°-120°	208.4	1.9
120°-130°	176.3	1.6
130°-140°	114.9	1.1
140°-150°	96.3	0.9
150°-160°	43.2	0.4
160°-170°	18.3	0.2
170°-180°	6.1	0.1
0°-90°	9450.8	87.4
0°-180°	10817.9	100.0



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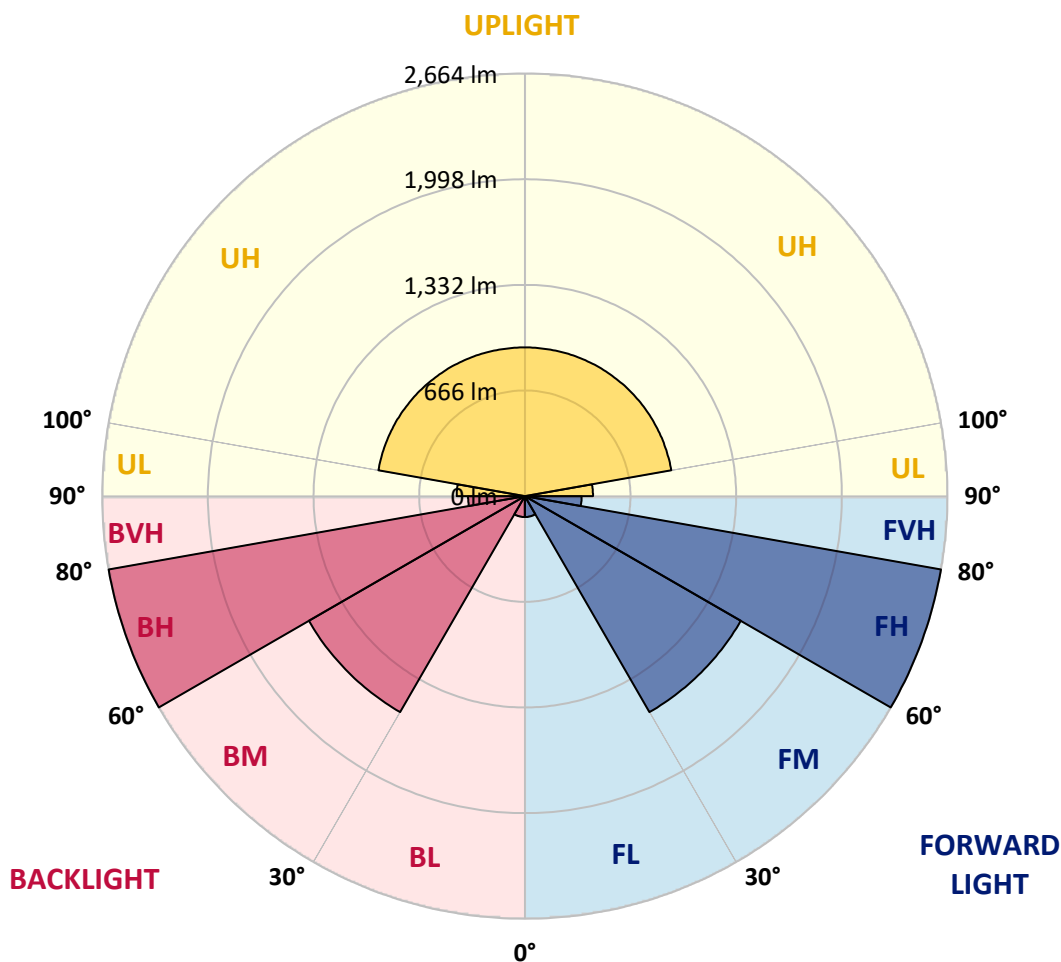
CATALOG NUMBER: FFX-CLB-80-722-U-FR-T5-UPLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.8	1.2			
FM (30°-60°)	1571.9	14.5			
FH (60°-80°)	2663.8	24.6			G2/5000
FVH (80°-90°)	357.9	3.3			G3/500
BL (0°-30°)	131.8	1.2	B1/500		
BM (30°-60°)	1571.9	14.5	B2/2500		
BH (60°-80°)	2663.8	24.6	B4/5000		G2/5000
BVH (80°-90°)	357.9	3.3			G3/500
UL (90°-100°)	429.6	4.0		U3/500	
UH (100°-180°)	937.5	8.7		U4/1000	

BUG Rating: B4-U4-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5
2.5°	283.6	288.1	275.7	265.5	261.0	262.1	272.3	282.4	272.3	275.7	275.7
5°	235.0	236.1	236.1	233.9	237.2	230.5	222.6	222.6	230.5	239.5	239.5
7.5°	227.1	230.5	239.5	239.5	242.9	231.6	220.3	221.4	232.7	246.3	249.7
10°	233.9	233.9	231.6	233.9	241.8	240.6	228.2	222.6	230.5	244.0	248.5
12.5°	244.0	244.0	250.8	261.0	262.1	251.9	239.5	238.4	247.4	256.5	256.5
15°	258.7	259.8	263.2	262.1	265.5	262.1	258.7	261.0	266.6	266.6	266.6
17.5°	277.9	277.9	277.9	277.9	277.9	279.0	280.2	280.2	280.2	282.4	282.4
20°	299.4	299.4	298.3	297.1	297.1	298.3	299.4	299.4	299.4	301.6	301.6
22.5°	326.5	325.4	323.1	323.1	323.1	324.2	322.0	320.8	319.7	320.8	320.8
25°	358.1	358.1	355.9	352.5	352.5	351.4	348.0	346.8	345.7	348.0	346.8
27.5°	389.8	389.8	386.4	381.9	381.9	381.9	379.6	377.3	375.1	376.2	376.2
30°	419.1	416.9	415.7	412.4	411.2	412.4	410.1	410.1	405.6	404.5	406.7
32.5°	446.3	444.0	446.3	442.9	439.5	442.9	441.7	441.7	435.0	432.7	435.0
35°	520.8	515.2	519.7	511.8	507.3	508.4	510.6	515.2	508.4	505.0	506.1
37.5°	601.0	599.9	614.6	627.0	624.8	605.5	593.1	595.4	604.4	616.8	616.8
40°	675.6	673.3	676.7	672.2	672.2	669.9	668.8	674.5	656.4	651.9	648.5
42.5°	753.5	752.4	733.2	706.1	700.4	723.0	733.2	741.1	715.1	706.1	699.3
45°	830.4	814.6	811.2	802.1	793.1	807.8	806.6	812.3	799.9	798.7	793.1
47.5°	991.9	962.5	952.4	953.5	934.3	950.1	956.9	975.0	949.0	950.1	949.0
50°	1283.4	1246.1	1263.1	1251.8	1231.4	1250.6	1249.5	1282.3	1239.3	1255.2	1248.4
52.5°	1738.7	1687.8	1698.0	1691.2	1670.9	1710.4	1719.5	1768.1	1685.6	1705.9	1700.3
55°	2397.3	2342.0	2364.6	2283.2	2261.8	2339.7	2369.1	2425.6	2316.0	2327.3	2321.6
57.5°	3025.5	3022.1	3060.5	3002.9	2983.7	3039.0	3011.9	3061.6	3002.9	3044.7	3031.1
60°	3453.6	3462.7	3501.1	3518.0	3484.2	3513.5	3448.0	3485.3	3467.2	3528.2	3522.6
62.5°	3676.2	3705.6	3683.0	3684.1	3646.8	3669.4	3657.0	3678.5	3674.0	3679.6	3674.0
65°	3680.7	3716.9	3667.2	3644.6	3628.8	3637.8	3659.3	3659.3	3645.7	3605.0	3614.1
67.5°	3440.1	3494.3	3439.0	3407.3	3416.4	3413.0	3427.7	3408.5	3400.6	3340.7	3341.8
70°	2848.1	2935.1	2853.8	2824.4	2848.1	2862.8	2861.7	2845.8	2833.4	2758.9	2780.3
72.5°	2162.3	2239.2	2166.9	2155.6	2178.2	2200.8	2181.5	2200.8	2180.4	2146.5	2156.7
75°	1632.5	1698.0	1698.0	1740.9	1747.7	1735.3	1682.2	1703.7	1717.2	1718.4	1728.5
77.5°	1200.9	1269.8	1306.0	1376.0	1372.6	1351.2	1286.8	1311.6	1337.6	1355.7	1368.1
80°	854.1	906.1	959.2	1008.9	1015.6	997.6	958.0	972.7	988.5	1001.0	1007.7
82.5°	662.0	685.8	675.6	669.9	679.0	705.0	714.0	723.0	700.4	685.8	691.4
85°	577.3	579.6	597.6	610.1	613.5	613.5	604.4	611.2	616.8	631.5	631.5
87.5°	526.5	528.7	573.9	586.3	590.9	585.2	573.9	578.4	583.0	592.0	592.0
90°	467.7	474.5	519.7	529.9	534.4	525.3	521.9	525.3	519.7	523.1	523.1
92.5°	435.0	435.0	456.4	451.9	450.8	451.9	453.0	456.4	450.8	448.5	448.5
95°	397.7	403.3	397.7	402.2	401.1	395.4	393.2	395.4	392.0	392.0	394.3
97.5°	333.3	334.4	324.2	327.6	327.6	323.1	317.5	319.7	316.3	318.6	319.7
100°	311.8	308.4	291.5	289.2	288.1	284.7	281.3	281.3	280.2	279.0	280.2
102.5°	305.0	305.0	282.4	277.9	275.7	270.0	265.5	265.5	265.5	265.5	266.6
105°	279.0	287.0	270.0	266.6	263.2	256.5	249.7	248.5	250.8	248.5	251.9
107.5°	253.1	259.8	250.8	250.8	247.4	240.6	236.1	235.0	236.1	233.9	236.1
110°	238.4	241.8	231.6	231.6	229.3	223.7	222.6	221.4	221.4	218.0	220.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	220.3	220.3	212.4	210.1	210.1	206.7	205.6	204.5	204.5	204.5	205.6
115°	219.2	218.0	205.6	197.7	196.6	195.4	196.6	195.4	195.4	194.3	194.3
117.5°	267.8	256.5	214.7	195.4	195.4	196.6	201.1	197.7	189.8	189.8	188.7
120°	289.2	291.5	247.4	227.1	222.6	216.9	215.8	213.5	205.6	204.5	209.0
122.5°	255.3	266.6	239.5	231.6	227.1	220.3	215.8	214.7	214.7	209.0	216.9
125°	198.8	209.0	195.4	194.3	193.2	194.3	192.1	192.1	194.3	190.9	192.1
127.5°	170.6	175.1	169.5	169.5	168.3	167.2	164.9	166.1	164.9	166.1	167.2
130°	163.8	167.2	161.6	159.3	159.3	160.4	160.4	160.4	157.0	154.8	155.9
132.5°	162.7	161.6	152.5	148.0	148.0	155.9	159.3	159.3	151.4	145.7	145.7
135°	146.9	148.0	146.9	141.2	142.3	144.6	148.0	149.1	141.2	137.8	139.0
137.5°	141.2	144.6	145.7	143.5	143.5	141.2	140.1	141.2	139.0	140.1	140.1
140°	141.2	142.3	145.7	148.0	145.7	143.5	143.5	143.5	144.6	148.0	150.3
142.5°	144.6	145.7	144.6	143.5	146.9	152.5	157.0	157.0	153.6	151.4	152.5
145°	166.1	169.5	169.5	166.1	168.3	166.1	166.1	163.8	163.8	163.8	164.9
147.5°	158.2	157.0	159.3	162.7	159.3	158.2	158.2	159.3	161.6	162.7	163.8
150°	124.3	120.9	123.1	129.9	128.8	128.8	128.8	129.9	131.1	131.1	132.2
152.5°	98.3	98.3	100.5	100.5	101.7	101.7	100.5	100.5	100.5	101.7	101.7
155°	88.1	87.0	89.3	92.6	90.4	90.4	90.4	90.4	90.4	90.4	91.5
157.5°	76.8	75.7	75.7	76.8	76.8	76.8	76.8	78.0	78.0	76.8	78.0
160°	70.0	70.0	68.9	68.9	68.9	70.0	71.2	71.2	70.0	68.9	68.9
162.5°	66.7	66.7	64.4	63.3	63.3	64.4	66.7	66.7	64.4	63.3	63.3
165°	66.7	65.5	62.1	59.9	59.9	62.1	65.5	65.5	62.1	59.9	59.9
167.5°	65.5	65.5	63.3	61.0	61.0	63.3	64.4	65.5	64.4	62.1	61.0
170°	63.3	63.3	64.4	64.4	63.3	63.3	63.3	63.3	64.4	64.4	64.4
172.5°	65.5	64.4	65.5	66.7	66.7	65.5	64.4	64.4	65.5	66.7	66.7
175°	66.7	66.7	65.5	65.5	65.5	64.4	64.4	64.4	65.5	66.7	65.5
177.5°	59.9	59.9	58.7	59.9	59.9	59.9	58.7	59.9	59.9	59.9	61.0
180°	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5

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			

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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.42

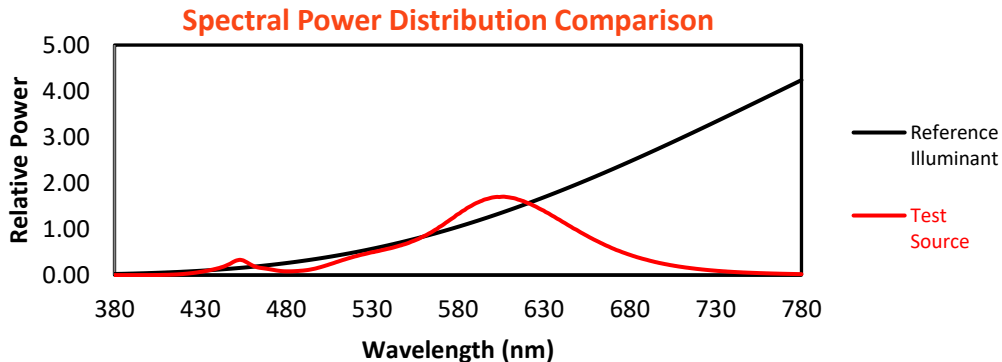
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR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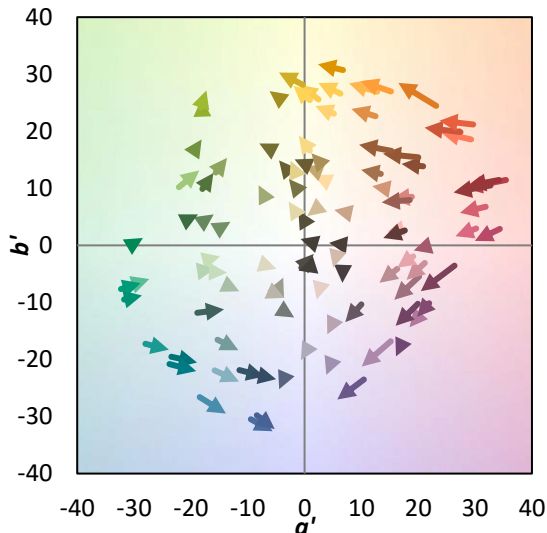
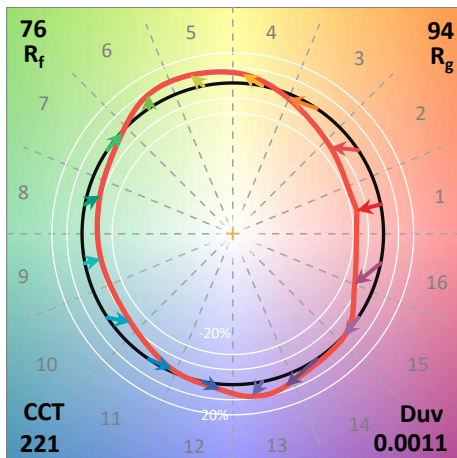
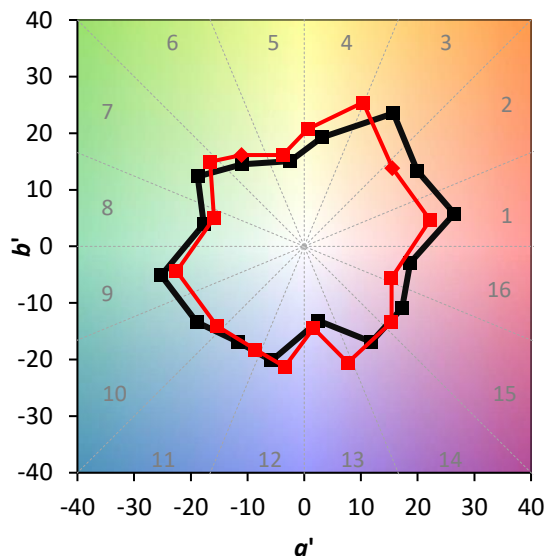
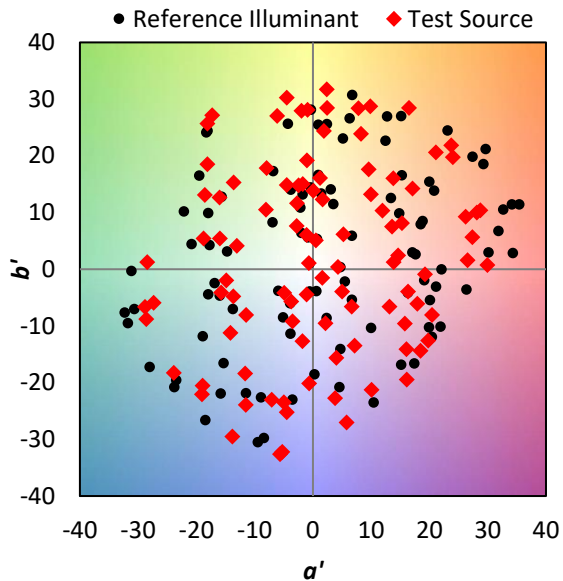
TM-30-18

Summary

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



Color Vector Graphics

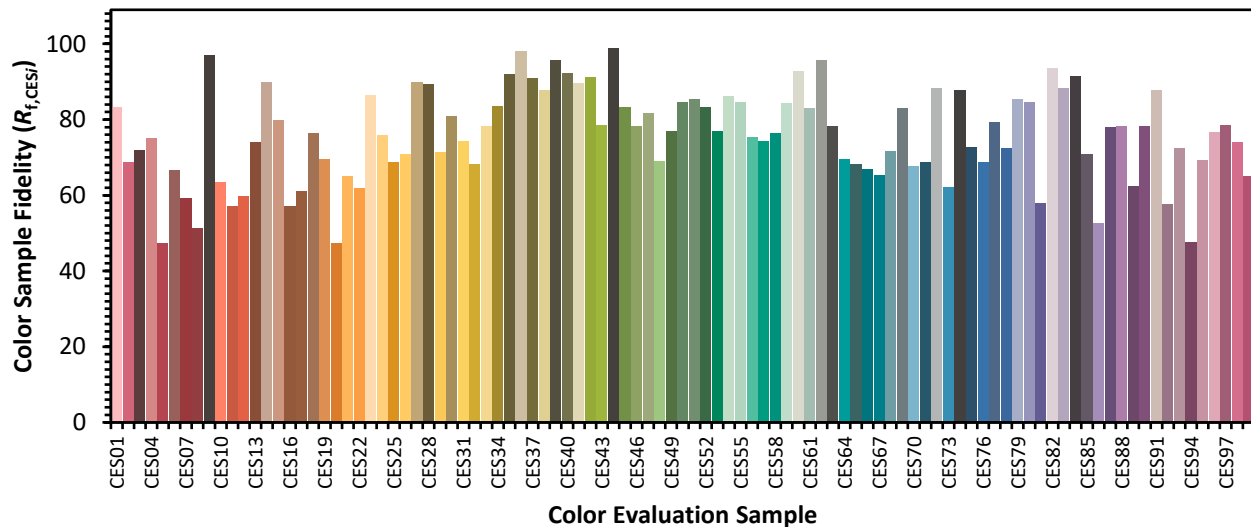


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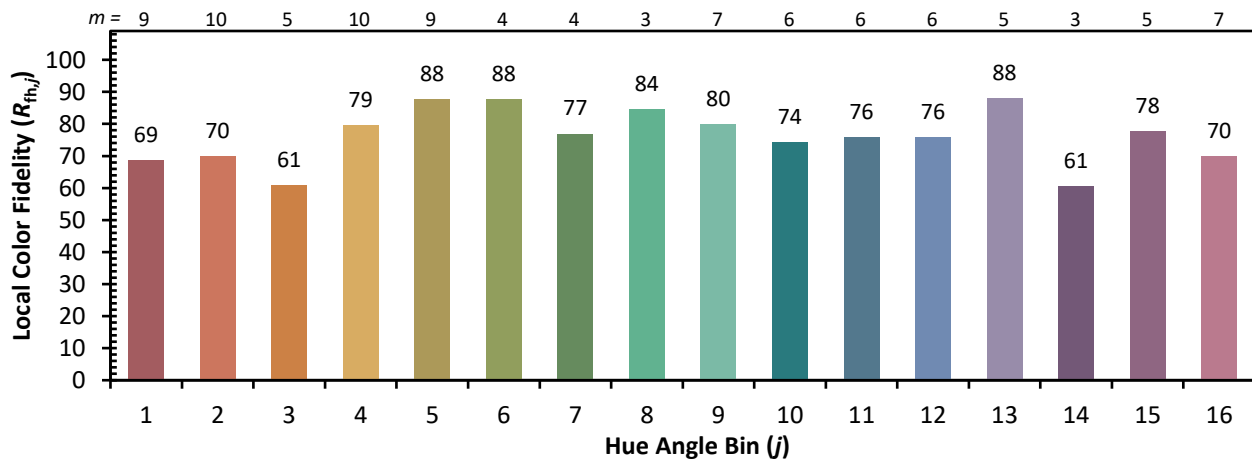
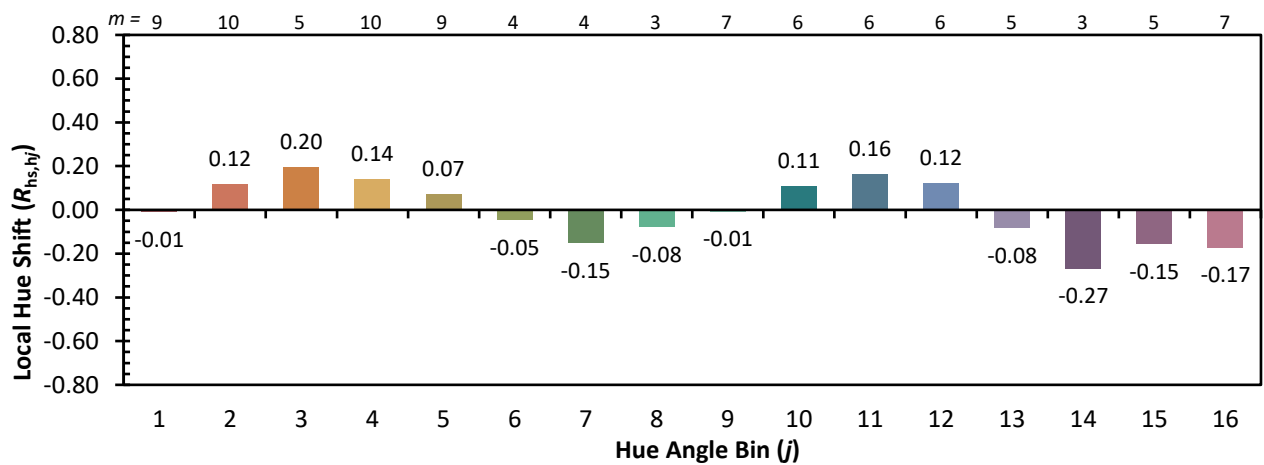
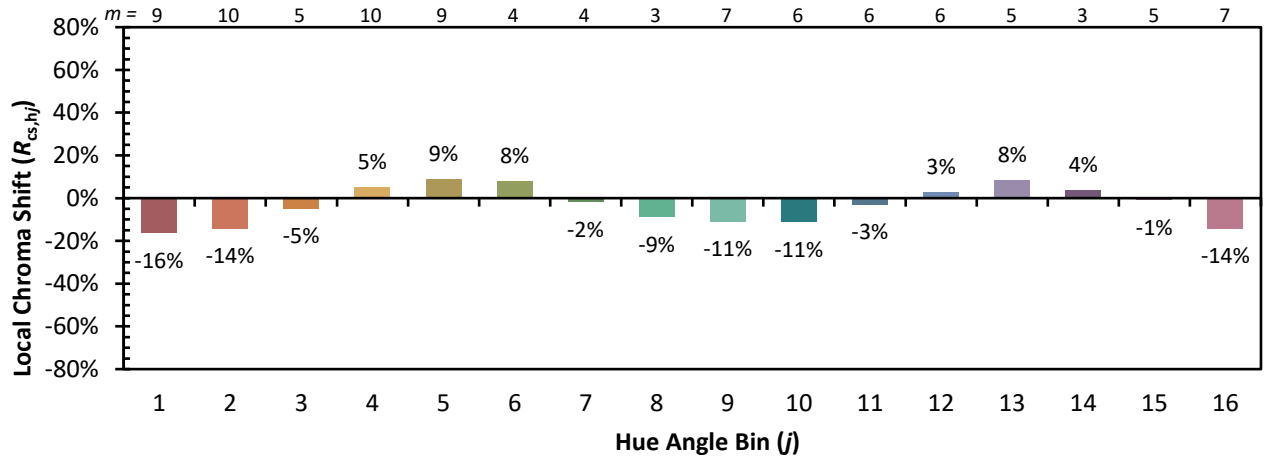
TM-30-18

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

CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
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	



Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)