

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: P856056

Luminaire Tested: **FFX-CLB-100-722-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856056
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-100-722-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

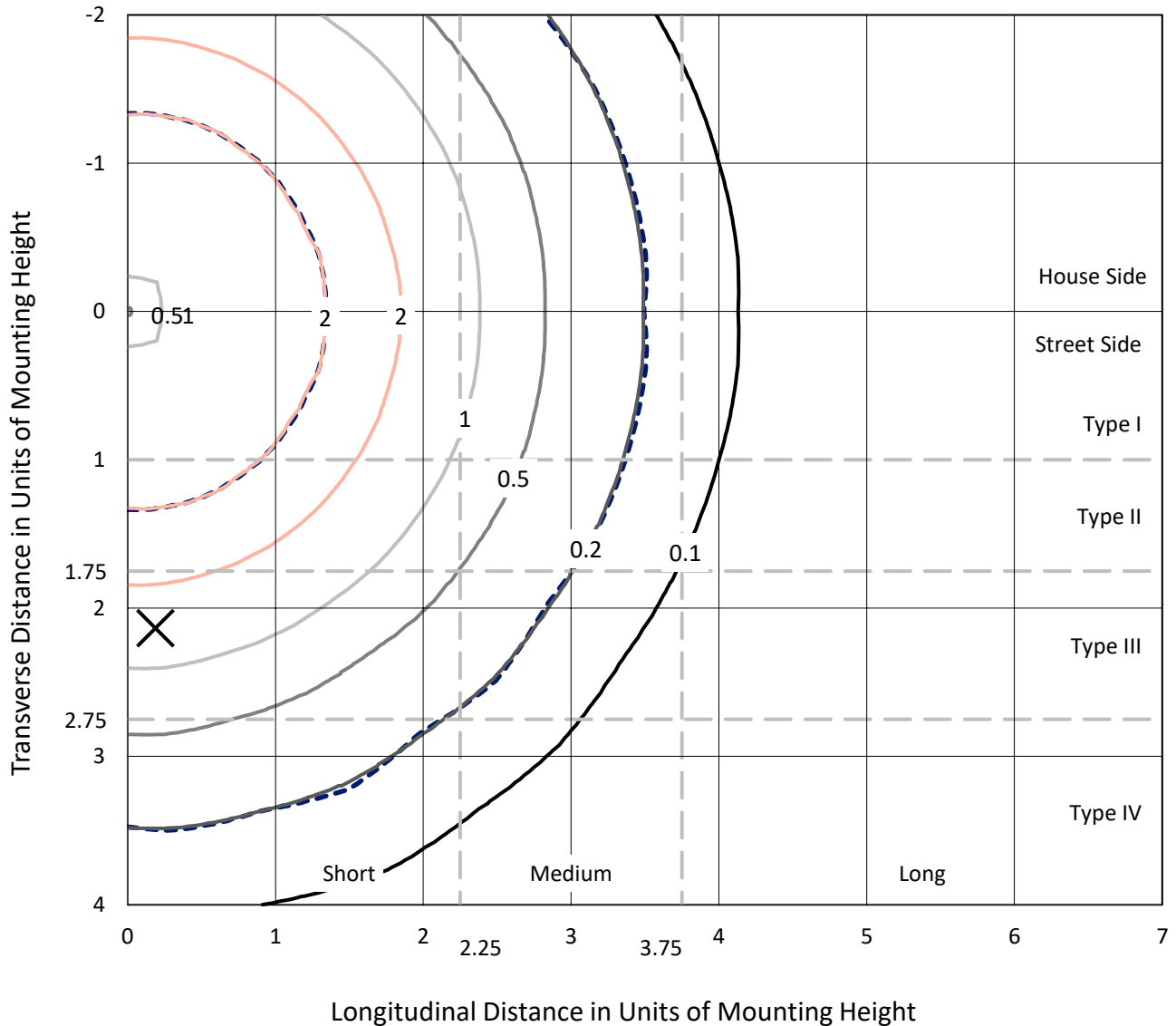
Lumens per Lamp: N/A
Luminaire Lumens: 13147.8 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B4 - U5 - G3

Input Watts (W): 96.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.2%%
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

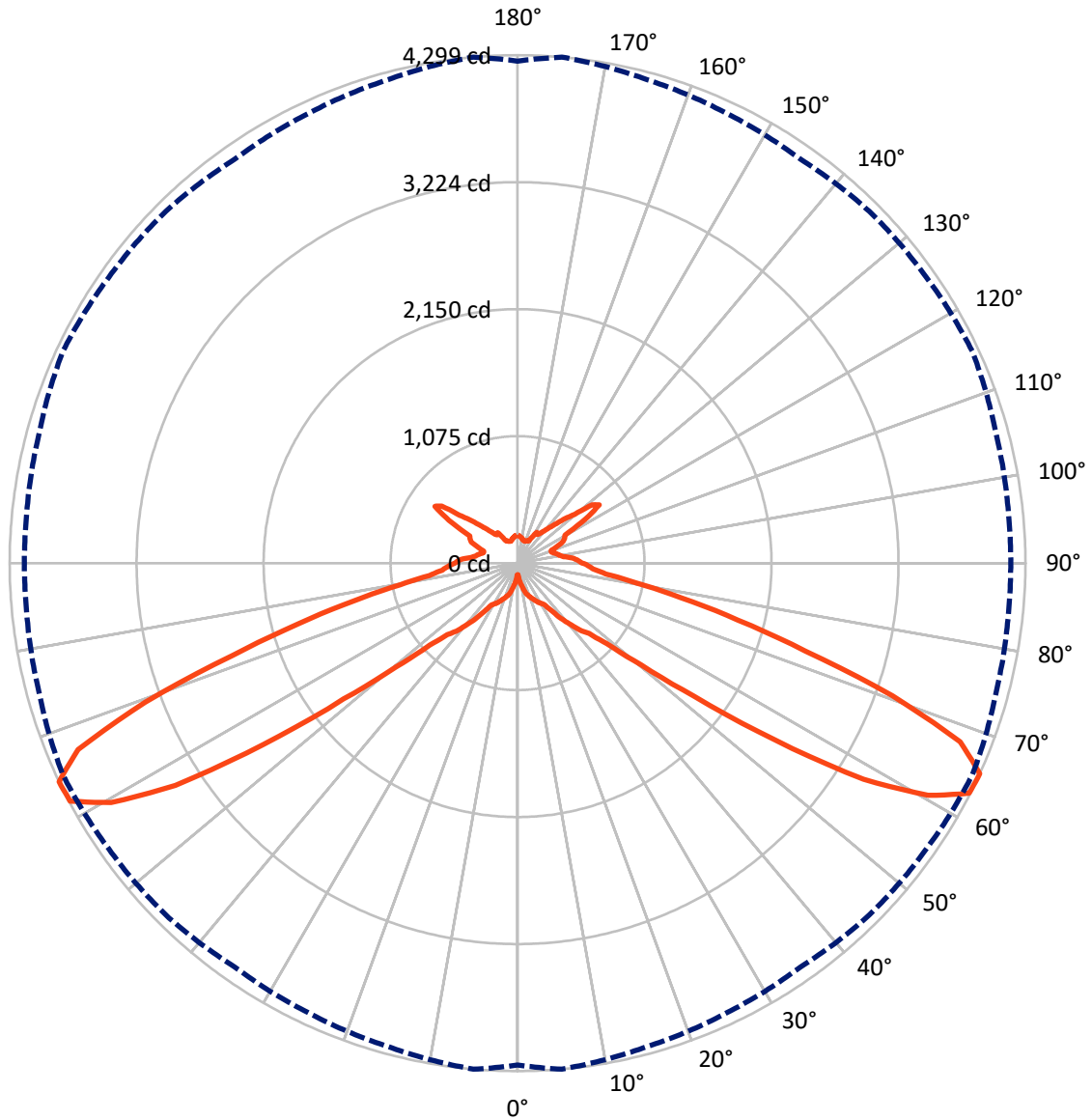
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 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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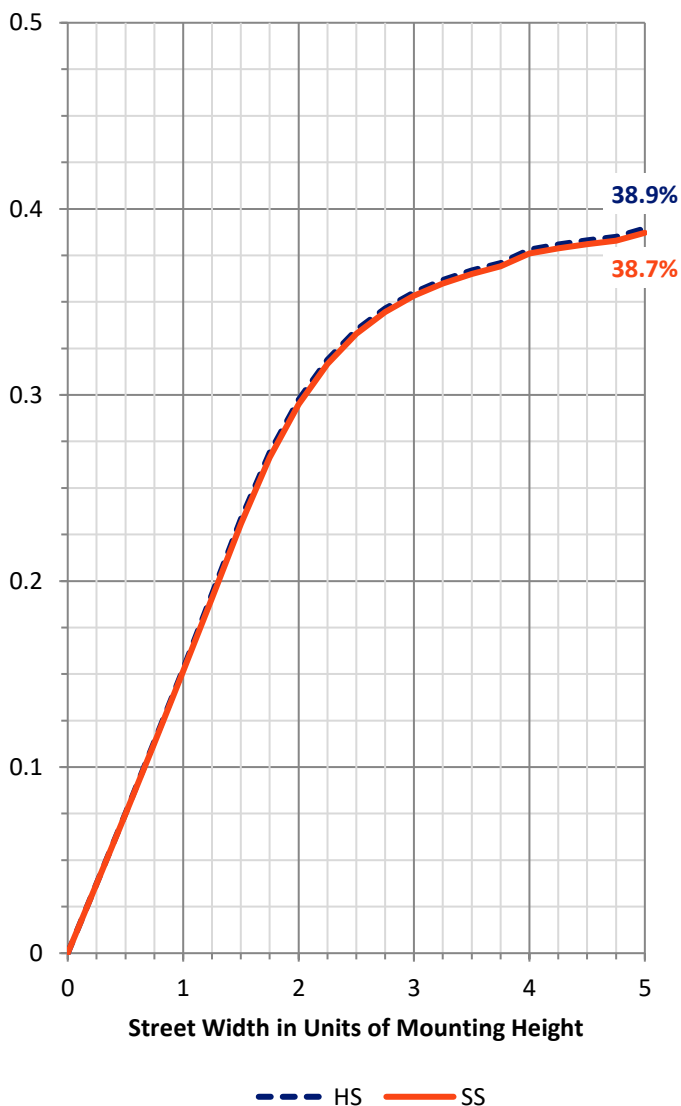
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5298.0	1275.9	6573.9
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	5298.0	1275.9	6573.9
	% Fixture	40.3	9.7	50.0
Total	Lumens	10596.0	2551.8	13147.8
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.1
10°-20°	75.1	0.6
20°-30°	163.1	1.2
30°-40°	323.7	2.5
40°-50°	702.1	5.3
50°-60°	2418.1	18.4
60°-70°	3971.4	30.2
70°-80°	2131.5	16.2
80°-90°	796.0	6.1
90°-100°	502.8	3.8
100°-110°	336.7	2.6
110°-120°	370.1	2.8
120°-130°	612.4	4.7
130°-140°	360.6	2.7
140°-150°	190.8	1.5
150°-160°	100.2	0.8
160°-170°	56.9	0.4
170°-180°	21.4	0.2
0°-90°	10596.0	80.6
0°-180°	13147.8	100.0



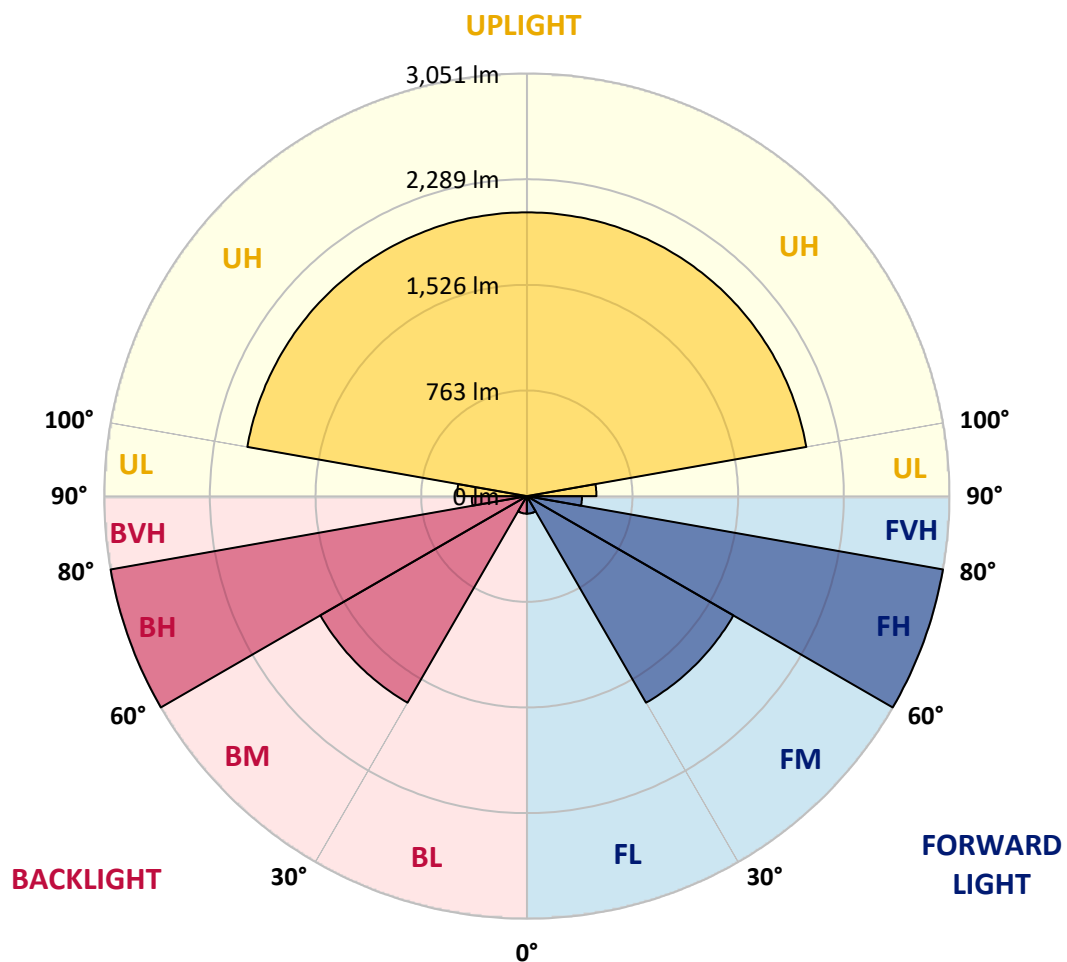
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.6	1.0			
FM (30°-60°)	1722.0	13.1			
FH (60°-80°)	3051.5	23.2			G2/5000
FVH (80°-90°)	398.0	3.0			G3/500
BL (0°-30°)	126.6	1.0	B1/500		
BM (30°-60°)	1722.0	13.1	B2/2500		
BH (60°-80°)	3051.5	23.2	B4/5000		G2/5000
BVH (80°-90°)	398.0	3.0			G3/500
UL (90°-100°)	502.8	3.8		U4/1000	
UH (100°-180°)	2049.1	15.6		U5	

BUG Rating: B4-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2.5°	103.2	103.2	101.8	100.5	101.8	103.2	103.2	104.5	101.8	101.8	103.2
5°	138.0	138.0	138.0	136.7	134.0	134.0	132.7	136.7	138.0	139.4	139.4
7.5°	171.5	170.2	172.9	174.2	167.5	164.8	164.8	166.2	168.9	171.5	174.2
10°	194.3	193.0	194.3	199.7	198.3	194.3	194.3	194.3	198.3	205.0	206.4
12.5°	229.2	229.2	231.8	235.9	237.2	233.2	230.5	230.5	235.9	237.2	235.9
15°	266.7	266.7	265.3	264.0	265.3	264.0	264.0	265.3	269.4	268.0	268.0
17.5°	286.8	285.4	284.1	285.4	285.4	284.1	285.4	288.1	286.8	290.8	292.1
20°	308.2	308.2	305.5	305.5	305.5	306.9	308.2	306.9	308.2	309.6	310.9
22.5°	328.3	328.3	327.0	325.6	327.0	328.3	329.7	327.0	327.0	329.7	329.7
25°	351.1	351.1	351.1	347.1	348.4	349.8	348.4	347.1	348.4	349.8	351.1
27.5°	376.6	376.6	373.9	369.9	371.2	371.2	372.5	369.9	372.5	372.5	372.5
30°	398.0	395.3	394.0	391.3	391.3	394.0	396.7	392.7	394.0	394.0	395.3
32.5°	418.1	418.1	416.8	411.4	410.1	418.1	420.8	419.5	414.1	415.4	416.8
35°	493.2	493.2	483.8	474.4	482.4	481.1	491.8	491.8	491.8	494.5	499.9
37.5°	587.0	591.0	605.7	627.2	627.2	596.3	580.3	578.9	600.4	619.1	617.8
40°	670.1	674.1	670.1	672.7	670.1	671.4	672.7	670.1	658.0	654.0	645.9
42.5°	773.2	774.6	749.1	719.6	722.3	737.1	754.5	755.8	730.4	718.3	715.6
45°	845.6	848.3	838.9	834.9	834.9	840.2	838.9	838.9	829.5	828.2	825.5
47.5°	1022.5	1017.1	998.4	991.7	999.7	995.7	1021.2	1014.5	1003.7	1003.7	1013.1
50°	1356.2	1350.8	1352.2	1345.5	1366.9	1336.1	1366.9	1358.9	1342.8	1350.8	1357.5
52.5°	1901.6	1868.1	1872.1	1858.7	1896.2	1868.1	1919.0	1912.3	1860.1	1882.8	1884.2
55°	2686.9	2644.0	2641.3	2551.6	2621.2	2630.6	2695.0	2711.0	2609.2	2610.5	2617.2
57.5°	3465.5	3452.1	3495.0	3438.7	3488.3	3465.5	3464.2	3493.7	3434.7	3442.7	3464.2
60°	3981.5	3992.2	4040.4	4055.2	4072.6	4040.4	3974.8	3988.2	3984.1	4052.5	4057.8
62.5°	4257.5	4289.7	4254.8	4244.1	4229.4	4241.4	4233.4	4241.4	4217.3	4249.5	4250.8
65°	4248.1	4299.1	4236.1	4197.2	4173.1	4210.6	4221.3	4245.5	4194.5	4174.4	4174.4
67.5°	3978.8	4040.4	3941.2	3937.2	3878.3	3941.2	3923.8	3942.6	3902.4	3874.2	3847.4
70°	3310.1	3366.3	3247.1	3261.8	3160.0	3263.2	3236.4	3271.2	3239.0	3184.1	3151.9
72.5°	2493.9	2543.5	2455.1	2477.9	2410.8	2488.6	2447.0	2506.0	2485.9	2461.8	2435.0
75°	1886.9	1925.7	1931.1	2007.5	1927.1	1964.6	1889.5	1924.4	1957.9	1986.0	1956.6
77.5°	1388.3	1415.2	1495.6	1580.0	1500.9	1527.7	1452.7	1486.2	1517.0	1565.2	1543.8
80°	981.0	1011.8	1085.5	1148.5	1090.8	1115.0	1066.7	1085.5	1109.6	1144.4	1121.7
82.5°	763.9	753.1	750.5	734.4	717.0	777.3	789.3	800.0	777.3	767.9	757.2
85°	640.6	643.3	659.3	679.4	679.4	680.8	668.7	674.1	683.5	700.9	702.2
87.5°	588.3	596.3	641.9	658.0	651.3	654.0	643.3	645.9	652.6	662.0	659.3
90°	518.6	538.7	581.6	597.7	587.0	592.3	587.0	591.0	585.6	588.3	582.9
92.5°	506.6	505.2	518.6	517.3	510.6	526.7	526.7	529.3	522.6	518.6	515.9
95°	469.0	466.4	465.0	469.0	454.3	466.4	463.7	469.0	466.4	466.4	461.0
97.5°	392.7	392.7	390.0	394.0	384.6	390.0	383.3	387.3	386.0	387.3	383.3
100°	361.8	361.8	359.1	359.1	355.1	356.5	353.8	353.8	352.4	351.1	351.1
102.5°	340.4	343.1	339.0	340.4	335.0	335.0	332.3	333.7	332.3	332.3	331.0
105°	320.3	321.6	318.9	318.9	314.9	313.6	310.9	312.2	313.6	310.9	310.9
107.5°	300.2	301.5	300.2	300.2	296.2	293.5	289.5	289.5	290.8	292.1	292.1
110°	308.2	304.2	300.2	297.5	302.9	294.8	292.1	290.8	292.1	296.2	297.5



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 CATALOG NUMBER: FFX-CLB-100-722-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	368.5	365.8	365.8	353.8	367.2	359.1	353.8	344.4	348.4	351.1	351.1
115°	427.5	428.8	412.8	407.4	399.4	398.0	402.0	391.3	390.0	391.3	388.6
117.5°	479.8	451.6	391.3	375.2	371.2	368.5	365.8	363.2	360.5	376.6	359.1
120°	513.3	465.0	420.8	411.4	434.2	402.0	380.6	376.6	384.6	412.8	408.7
122.5°	727.7	686.1	654.0	597.7	654.0	621.8	629.8	615.1	607.1	591.0	593.7
125°	851.0	849.6	834.9	824.2	837.6	825.5	812.1	806.7	798.7	802.7	796.0
127.5°	790.7	802.7	784.0	805.4	757.2	770.6	767.9	777.3	769.2	771.9	761.2
130°	625.8	635.2	617.8	607.1	585.6	609.7	611.1	625.8	609.7	588.3	585.6
132.5°	546.8	553.5	526.7	513.3	498.5	520.0	529.3	537.4	526.7	503.9	498.5
135°	465.0	467.7	448.9	451.6	442.2	442.2	440.9	444.9	450.3	446.3	443.6
137.5°	399.4	406.1	399.4	407.4	399.4	392.7	381.9	386.0	398.0	407.4	406.1
140°	345.7	352.4	353.8	361.8	345.7	348.4	341.7	344.4	351.1	360.5	364.5
142.5°	306.9	312.2	300.2	293.5	288.1	304.2	316.3	317.6	309.6	298.8	302.9
145°	298.8	293.5	298.8	293.5	298.8	296.2	297.5	296.2	296.2	296.2	296.2
147.5°	302.9	308.2	308.2	308.2	300.2	301.5	302.9	304.2	304.2	309.6	308.2
150°	251.9	258.6	257.3	264.0	251.9	254.6	256.0	258.6	260.0	261.3	262.7
152.5°	213.1	214.4	218.4	221.1	219.8	218.4	217.1	217.1	219.8	222.5	223.8
155°	207.7	207.7	211.7	215.8	211.7	211.7	210.4	210.4	211.7	215.8	215.8
157.5°	199.7	201.0	201.0	203.7	201.0	202.4	201.0	201.0	202.4	203.7	205.0
160°	195.7	197.0	197.0	197.0	197.0	197.0	197.0	197.0	197.0	198.3	198.3
162.5°	195.7	195.7	195.7	194.3	194.3	195.7	195.7	195.7	195.7	194.3	195.7
165°	199.7	198.3	197.0	195.7	197.0	199.7	201.0	201.0	199.7	197.0	198.3
167.5°	207.7	207.7	206.4	205.0	206.4	207.7	209.1	209.1	207.7	206.4	206.4
170°	215.8	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4
172.5°	221.1	221.1	222.5	221.1	222.5	222.5	221.1	221.1	221.1	221.1	222.5
175°	229.2	229.2	229.2	229.2	230.5	230.5	230.5	230.5	230.5	230.5	230.5
177.5°	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5
180°	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9

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

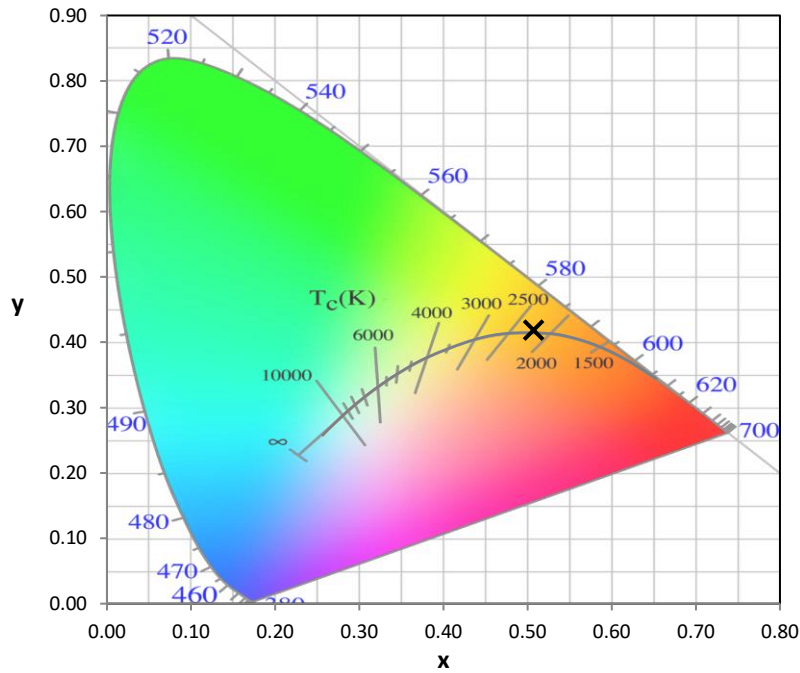
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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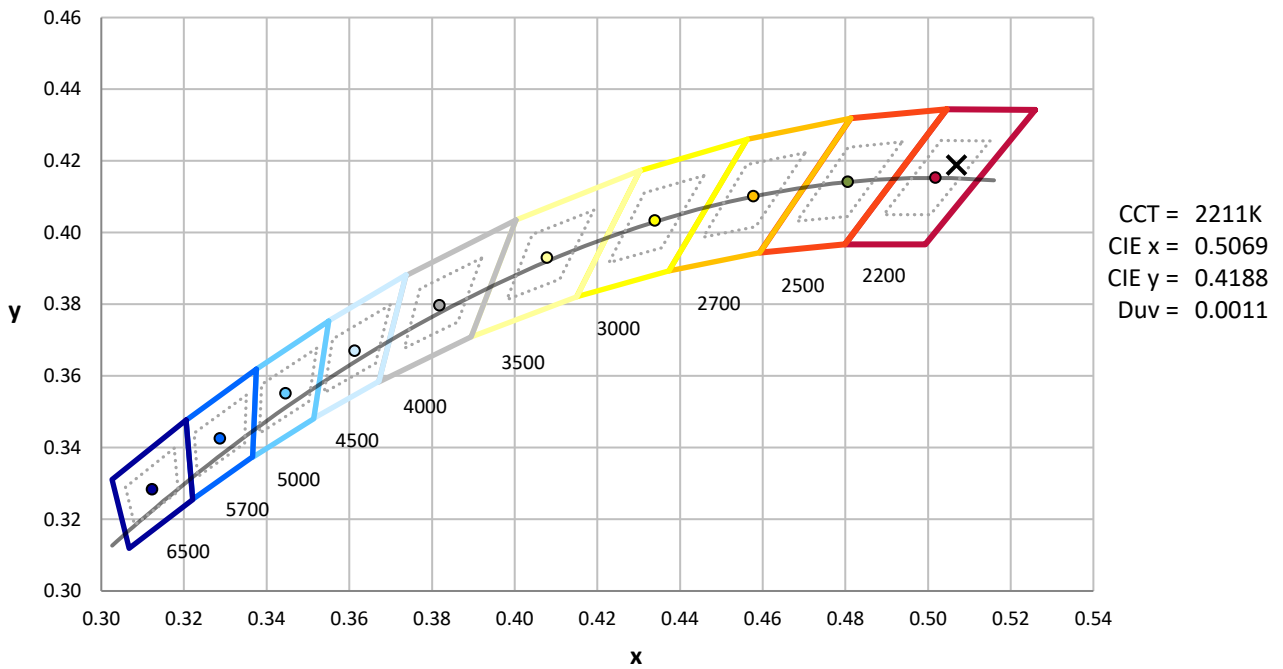
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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



Color Vector Graphics

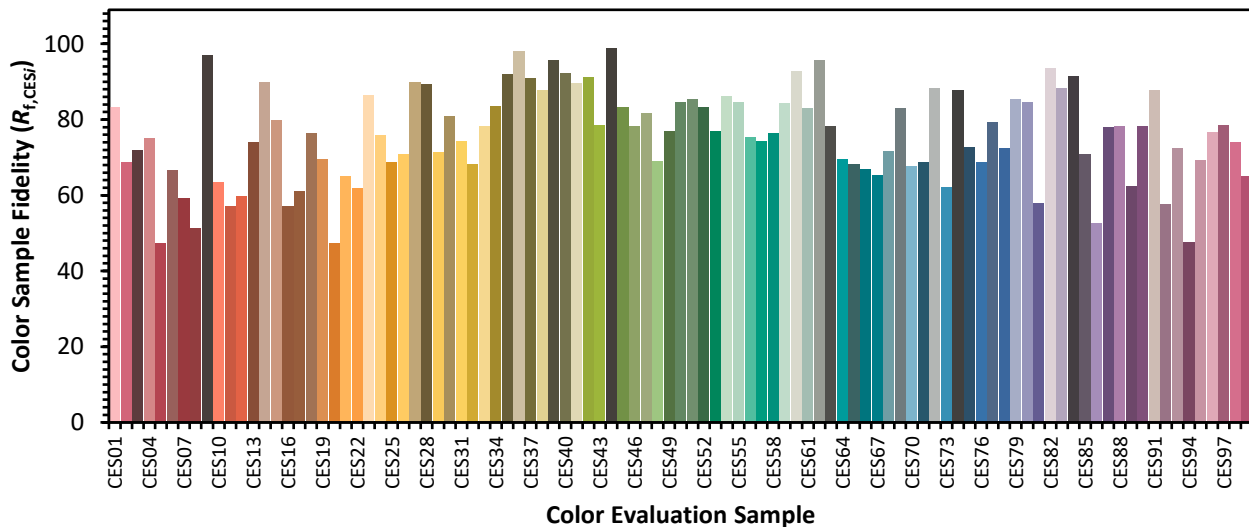


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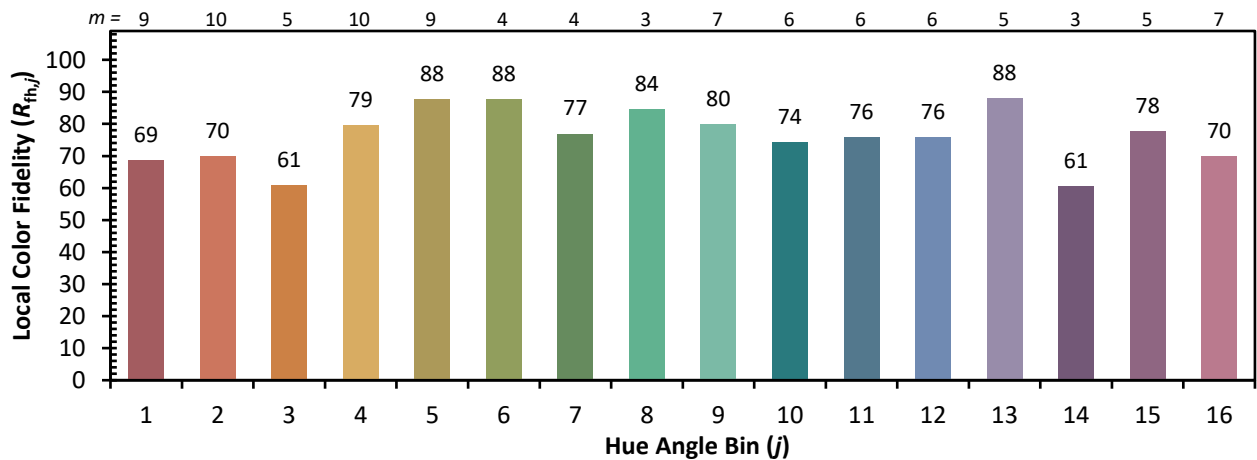
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Individual Sample Fidelity Index ($R_{f,i}$)

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	



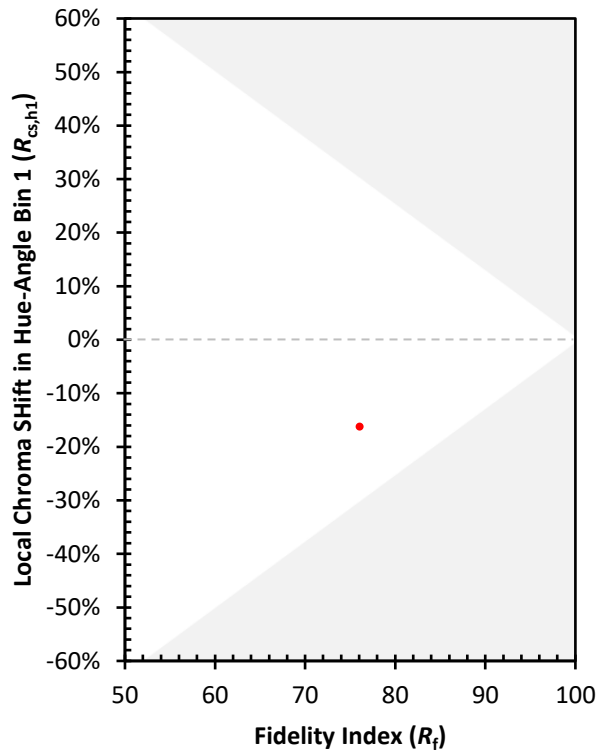
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)