

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: P856170

Luminaire Tested: **FFX-CLB-40-730-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856170
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-730-U-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

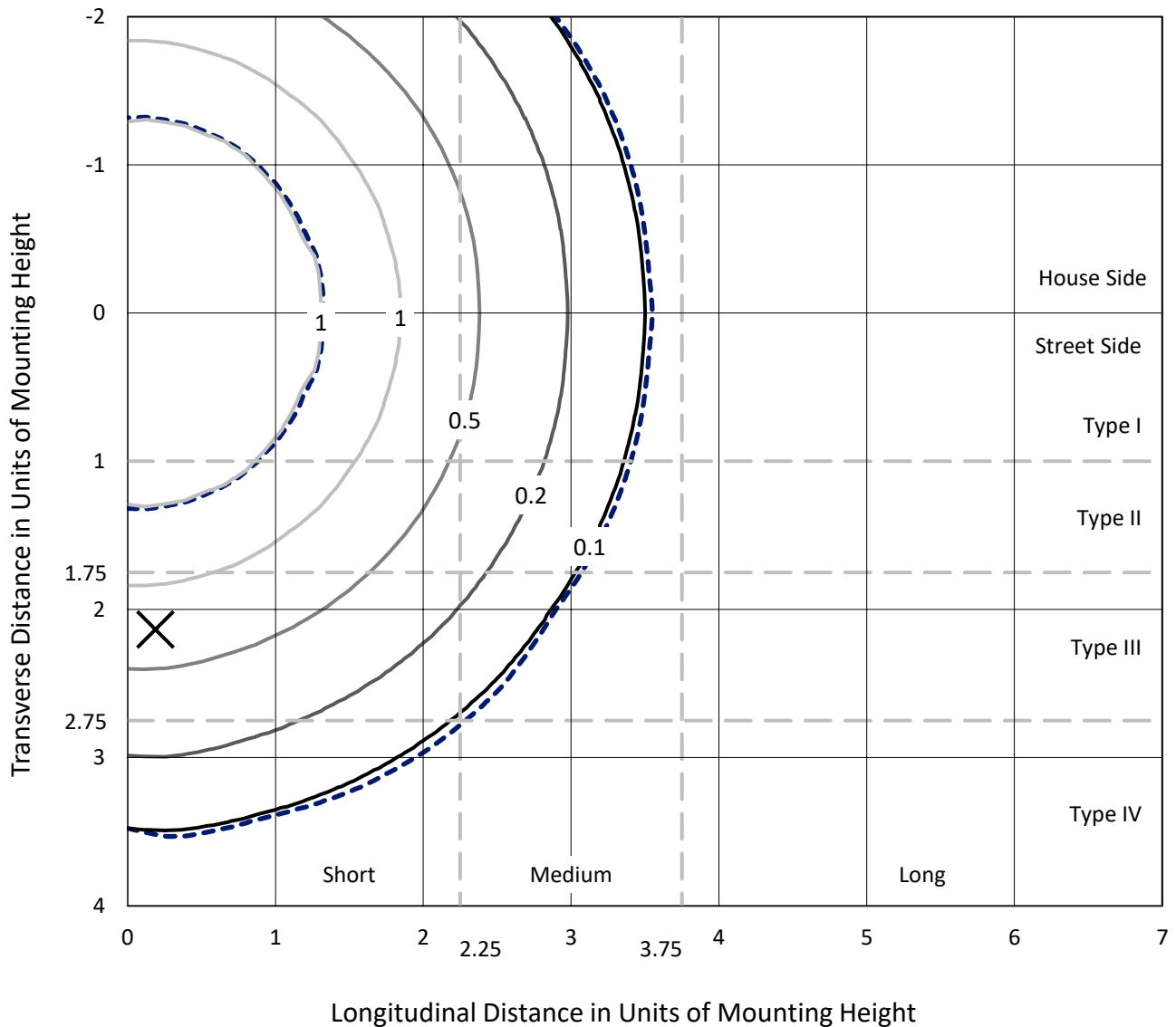
Lumens per Lamp: N/A
Luminaire Lumens: 6214.3 lumens
Efficiency: N/A
Efficacy: 158.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 8.2%%
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

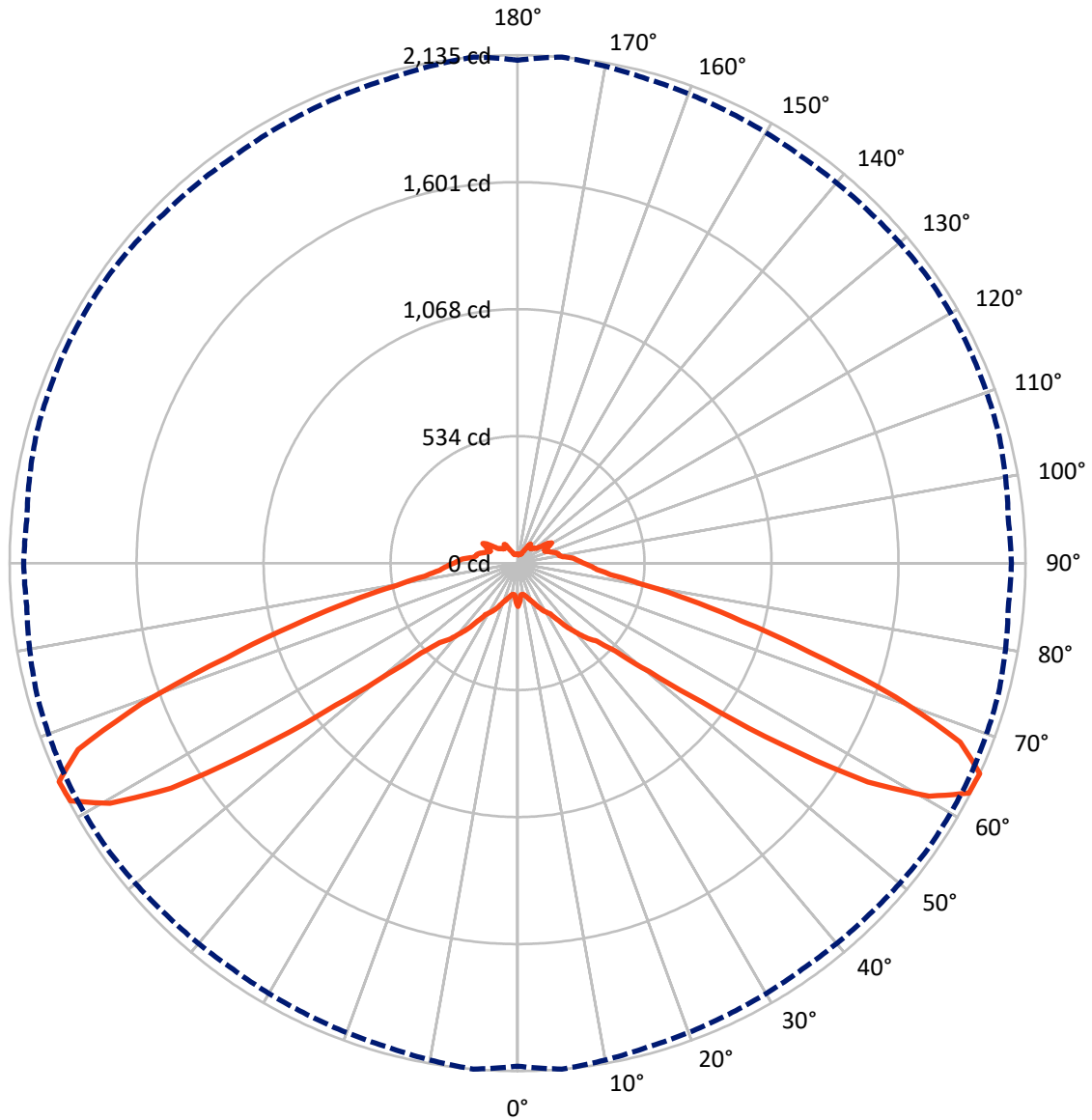
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 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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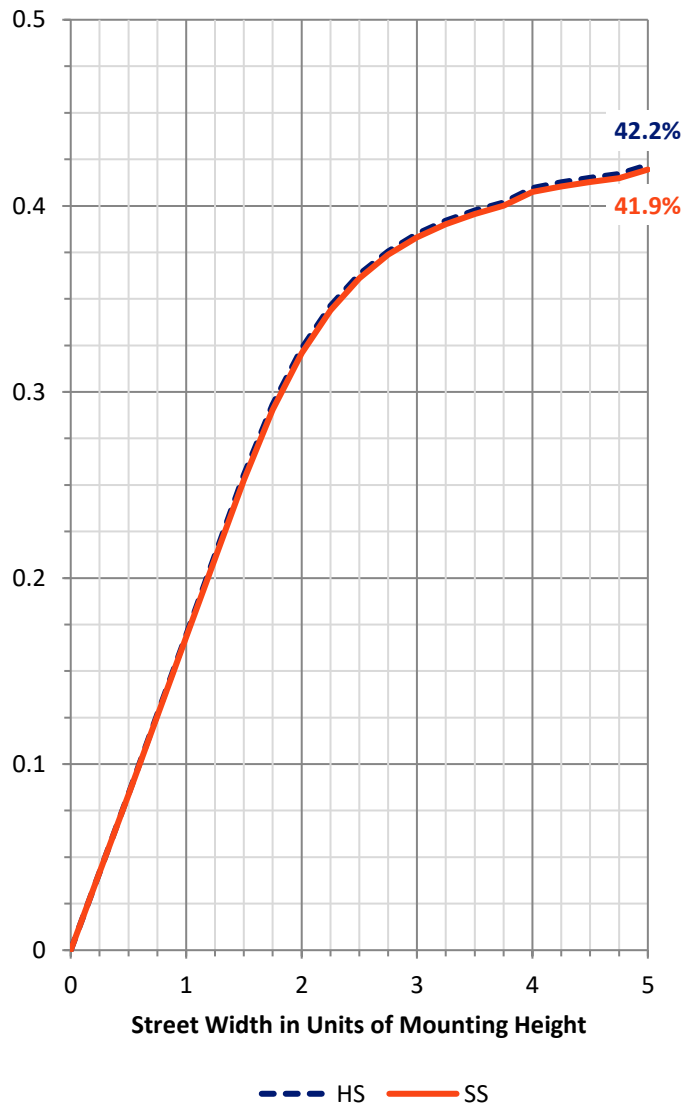
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2714.5	392.6	3107.1
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	2714.5	392.6	3107.1
	% Fixture	43.7	6.3	50.0
Total	Lumens	5429.0	785.3	6214.3
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.2
10°-20°	43.6	0.7
20°-30°	94.6	1.5
30°-40°	191.6	3.1
40°-50°	386.3	6.2
50°-60°	1228.1	19.8
60°-70°	1980.4	31.9
70°-80°	1080.0	17.4
80°-90°	411.2	6.6
90°-100°	246.8	4.0
100°-110°	157.4	2.5
110°-120°	119.7	1.9
120°-130°	101.3	1.6
130°-140°	66.0	1.1
140°-150°	55.3	0.9
150°-160°	24.8	0.4
160°-170°	10.5	0.2
170°-180°	3.5	0.1
0°-90°	5429.0	87.4
0°-180°	6214.3	100.0

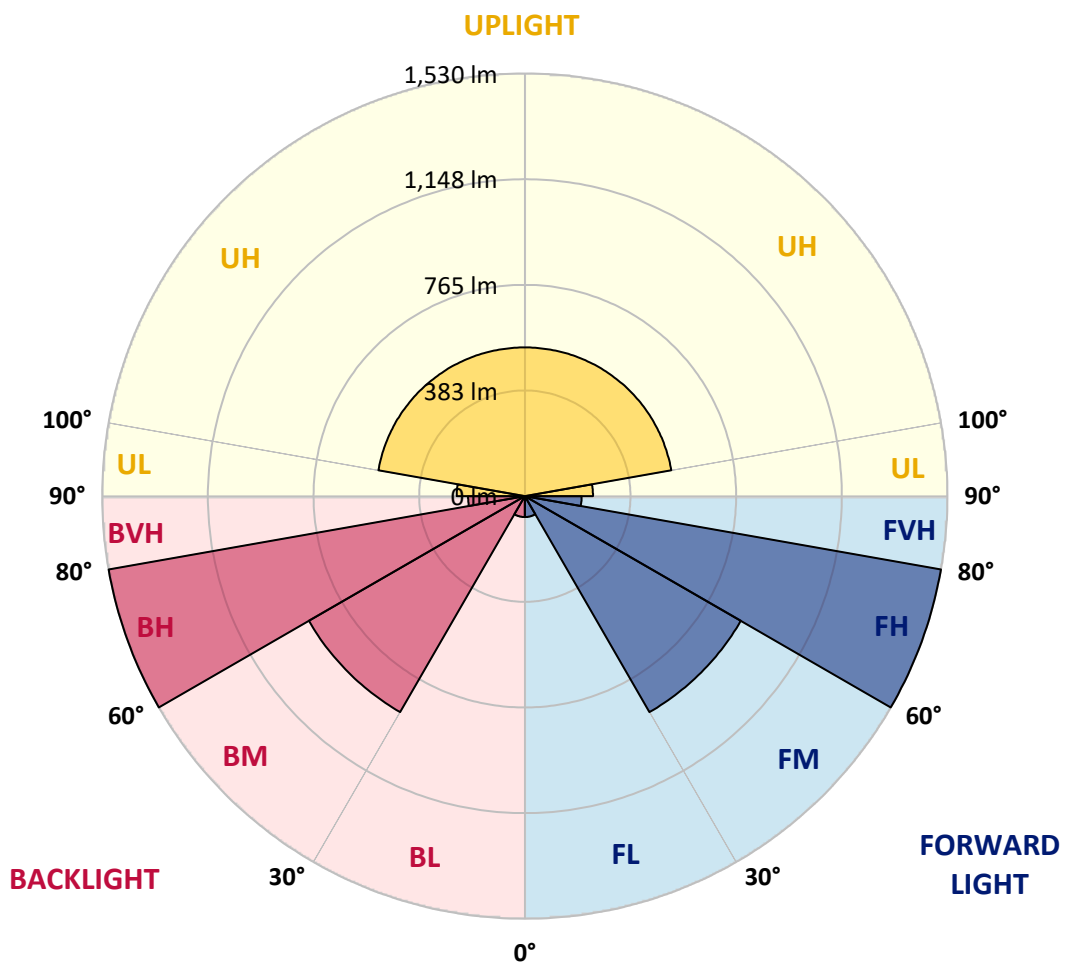


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.7	1.2			
FM (30°-60°)	903.0	14.5			
FH (60°-80°)	1530.2	24.6			G1/1800
FVH (80°-90°)	205.6	3.3			G2/225
BL (0°-30°)	75.7	1.2	B0/110		
BM (30°-60°)	903.0	14.5	B1/1000		
BH (60°-80°)	1530.2	24.6	B3/2500		G1/1800
BVH (80°-90°)	205.6	3.3			G2/225
UL (90°-100°)	246.8	4.0		U3/500	
UH (100°-180°)	538.5	8.7		U4/1000	

BUG Rating: B3-U4-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4
2.5°	162.9	165.5	158.4	152.5	149.9	150.6	156.4	162.2	156.4	158.4	158.4
5°	135.0	135.6	135.6	134.3	136.3	132.4	127.9	127.9	132.4	137.6	137.6
7.5°	130.4	132.4	137.6	137.6	139.5	133.0	126.6	127.2	133.7	141.5	143.4
10°	134.3	134.3	133.0	134.3	138.9	138.2	131.1	127.9	132.4	140.2	142.8
12.5°	140.2	140.2	144.1	149.9	150.6	144.7	137.6	136.9	142.1	147.3	147.3
15°	148.6	149.3	151.2	150.6	152.5	150.6	148.6	149.9	153.2	153.2	153.2
17.5°	159.7	159.7	159.7	159.7	159.7	160.3	160.9	160.9	160.9	162.2	162.2
20°	172.0	172.0	171.3	170.7	170.7	171.3	172.0	172.0	172.0	173.3	173.3
22.5°	187.6	186.9	185.6	185.6	185.6	186.3	185.0	184.3	183.7	184.3	184.3
25°	205.7	205.7	204.4	202.5	202.5	201.8	199.9	199.2	198.6	199.9	199.2
27.5°	223.9	223.9	222.0	219.4	219.4	219.4	218.1	216.8	215.5	216.1	216.1
30°	240.8	239.5	238.8	236.9	236.2	236.9	235.6	235.6	233.0	232.3	233.6
32.5°	256.3	255.1	256.3	254.4	252.5	254.4	253.8	253.8	249.9	248.6	249.9
35°	299.2	295.9	298.5	294.0	291.4	292.0	293.3	295.9	292.0	290.1	290.7
37.5°	345.3	344.6	353.0	360.2	358.9	347.9	340.7	342.0	347.2	354.3	354.3
40°	388.1	386.8	388.7	386.1	386.1	384.8	384.2	387.4	377.1	374.5	372.5
42.5°	432.9	432.2	421.2	405.6	402.4	415.4	421.2	425.7	410.8	405.6	401.7
45°	477.0	467.9	466.0	460.8	455.6	464.0	463.4	466.6	459.5	458.8	455.6
47.5°	569.8	552.9	547.1	547.7	536.7	545.8	549.7	560.1	545.1	545.8	545.1
50°	737.2	715.8	725.6	719.1	707.4	718.4	717.8	736.6	711.9	721.0	717.1
52.5°	998.8	969.6	975.4	971.5	959.8	982.6	987.8	1015.7	968.3	980.0	976.7
55°	1377.1	1345.3	1358.3	1311.6	1299.3	1344.0	1360.9	1393.4	1330.4	1336.9	1333.7
57.5°	1738.0	1736.0	1758.1	1725.0	1714.0	1745.8	1730.2	1758.8	1725.0	1749.0	1741.2
60°	1983.9	1989.1	2011.2	2020.9	2001.5	2018.3	1980.7	2002.1	1991.7	2026.8	2023.5
62.5°	2111.8	2128.7	2115.7	2116.3	2094.9	2107.9	2100.8	2113.1	2110.5	2113.7	2110.5
65°	2114.4	2135.2	2106.6	2093.6	2084.5	2089.7	2102.1	2102.1	2094.3	2070.9	2076.1
67.5°	1976.2	2007.3	1975.5	1957.3	1962.5	1960.6	1969.0	1958.0	1953.4	1919.0	1919.7
70°	1636.1	1686.1	1639.3	1622.5	1636.1	1644.5	1643.9	1634.8	1627.7	1584.8	1597.2
72.5°	1242.2	1286.3	1244.8	1238.3	1251.2	1264.2	1253.2	1264.2	1252.5	1233.1	1238.9
75°	937.8	975.4	975.4	1000.1	1004.0	996.8	966.3	978.7	986.5	987.1	992.9
77.5°	689.9	729.5	750.2	790.5	788.5	776.2	739.2	753.5	768.4	778.8	785.9
80°	490.6	520.5	551.0	579.5	583.4	573.1	550.3	558.8	567.9	575.0	578.9
82.5°	380.3	393.9	388.1	384.8	390.0	405.0	410.2	415.4	402.4	393.9	397.2
85°	331.6	332.9	343.3	350.5	352.4	352.4	347.2	351.1	354.3	362.8	362.8
87.5°	302.4	303.7	329.7	336.8	339.4	336.2	329.7	332.3	334.9	340.1	340.1
90°	268.7	272.6	298.5	304.4	307.0	301.8	299.8	301.8	298.5	300.5	300.5
92.5°	249.9	249.9	262.2	259.6	258.9	259.6	260.2	262.2	258.9	257.6	257.6
95°	228.4	231.7	228.4	231.0	230.4	227.1	225.8	227.1	225.2	225.2	226.5
97.5°	191.5	192.1	186.3	188.2	188.2	185.6	182.4	183.7	181.7	183.0	183.7
100°	179.1	177.2	167.4	166.1	165.5	163.5	161.6	161.6	160.9	160.3	160.9
102.5°	175.2	175.2	162.2	159.7	158.4	155.1	152.5	152.5	152.5	152.5	153.2
105°	160.3	164.8	155.1	153.2	151.2	147.3	143.4	142.8	144.1	142.8	144.7
107.5°	145.4	149.3	144.1	144.1	142.1	138.2	135.6	135.0	135.6	134.3	135.6
110°	136.9	138.9	133.0	133.0	131.7	128.5	127.9	127.2	127.2	125.3	126.6



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CATALOG NUMBER: FFX-CLB-40-730-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	126.6	126.6	122.0	120.7	120.7	118.8	118.1	117.5	117.5	117.5	118.1
115°	125.9	125.3	118.1	113.6	112.9	112.3	112.9	112.3	112.3	111.6	111.6
117.5°	153.8	147.3	123.3	112.3	112.3	112.9	115.5	113.6	109.0	109.0	108.4
120°	166.1	167.4	142.1	130.4	127.9	124.6	124.0	122.7	118.1	117.5	120.1
122.5°	146.7	153.2	137.6	133.0	130.4	126.6	124.0	123.3	123.3	120.1	124.6
125°	114.2	120.1	112.3	111.6	111.0	111.6	110.3	110.3	111.6	109.7	110.3
127.5°	98.0	100.6	97.3	97.3	96.7	96.0	94.8	95.4	94.8	95.4	96.0
130°	94.1	96.0	92.8	91.5	91.5	92.2	92.2	92.2	90.2	88.9	89.6
132.5°	93.5	92.8	87.6	85.0	85.0	89.6	91.5	91.5	87.0	83.7	83.7
135°	84.4	85.0	84.4	81.1	81.8	83.1	85.0	85.7	81.1	79.2	79.8
137.5°	81.1	83.1	83.7	82.4	82.4	81.1	80.5	81.1	79.8	80.5	80.5
140°	81.1	81.8	83.7	85.0	83.7	82.4	82.4	82.4	83.1	85.0	86.3
142.5°	83.1	83.7	83.1	82.4	84.4	87.6	90.2	90.2	88.3	87.0	87.6
145°	95.4	97.3	97.3	95.4	96.7	95.4	95.4	94.1	94.1	94.1	94.8
147.5°	90.9	90.2	91.5	93.5	91.5	90.9	90.9	91.5	92.8	93.5	94.1
150°	71.4	69.4	70.7	74.6	74.0	74.0	74.0	74.6	75.3	75.3	75.9
152.5°	56.5	56.5	57.8	57.8	58.4	58.4	57.8	57.8	57.8	58.4	58.4
155°	50.6	50.0	51.3	53.2	51.9	51.9	51.9	51.9	51.9	51.9	52.6
157.5°	44.1	43.5	43.5	44.1	44.1	44.1	44.1	44.8	44.8	44.1	44.8
160°	40.2	40.2	39.6	39.6	39.6	40.2	40.9	40.9	40.2	39.6	39.6
162.5°	38.3	38.3	37.0	36.3	36.3	37.0	38.3	38.3	37.0	36.3	36.3
165°	38.3	37.6	35.7	34.4	34.4	35.7	37.6	37.6	35.7	34.4	34.4
167.5°	37.6	37.6	36.3	35.0	35.0	36.3	37.0	37.6	37.0	35.7	35.0
170°	36.3	36.3	37.0	37.0	36.3	36.3	36.3	36.3	37.0	37.0	37.0
172.5°	37.6	37.0	37.6	38.3	38.3	37.6	37.0	37.0	37.6	38.3	38.3
175°	38.3	38.3	37.6	37.6	37.6	37.0	37.0	37.0	37.6	38.3	37.6
177.5°	34.4	34.4	33.7	34.4	34.4	34.4	33.7	34.4	34.4	34.4	35.0
180°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-4

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-4
 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-100-730-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3003
 CIE u': 0.2503
 CIE v': 0.5219
 Duv: 0.0004
 CIE x: 0.4373
 CIE y: 0.4053
 CIE z: 0.1573
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 52.93545
 Rf: 75.2
 Rg: 93.8

CRI (Ra):	71.9		
R1:	68.2	R9:	-33.7
R2:	82.2	R10:	59.0
R3:	93.9	R11:	62.4
R4:	67.6	R12:	48.5
R5:	67.2	R13:	70.8
R6:	75.3	R14:	96.6
R7:	77.6	R15:	60.0
R8:	43.1		



Test Conditions

Stabilization Time: 0.794393M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-4

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



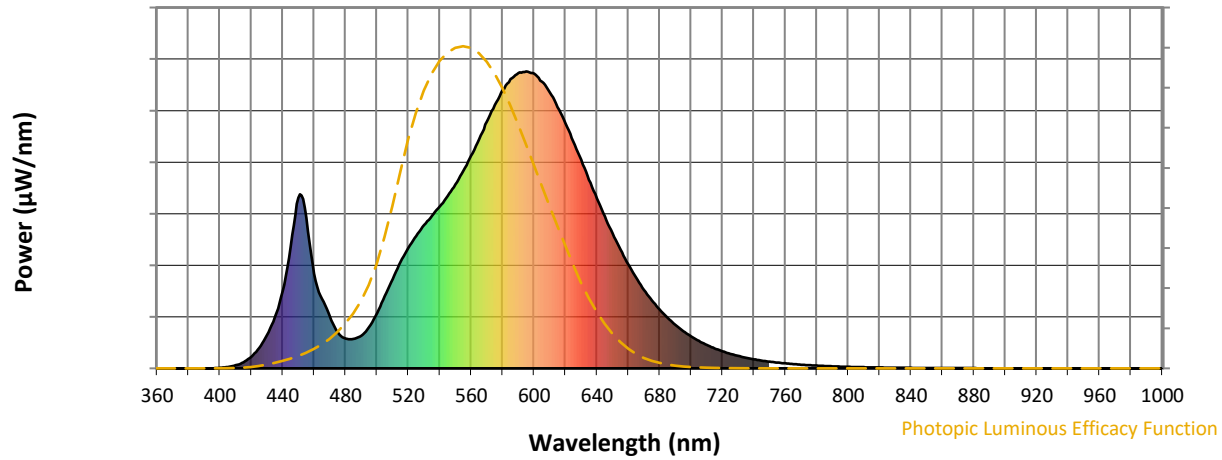
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

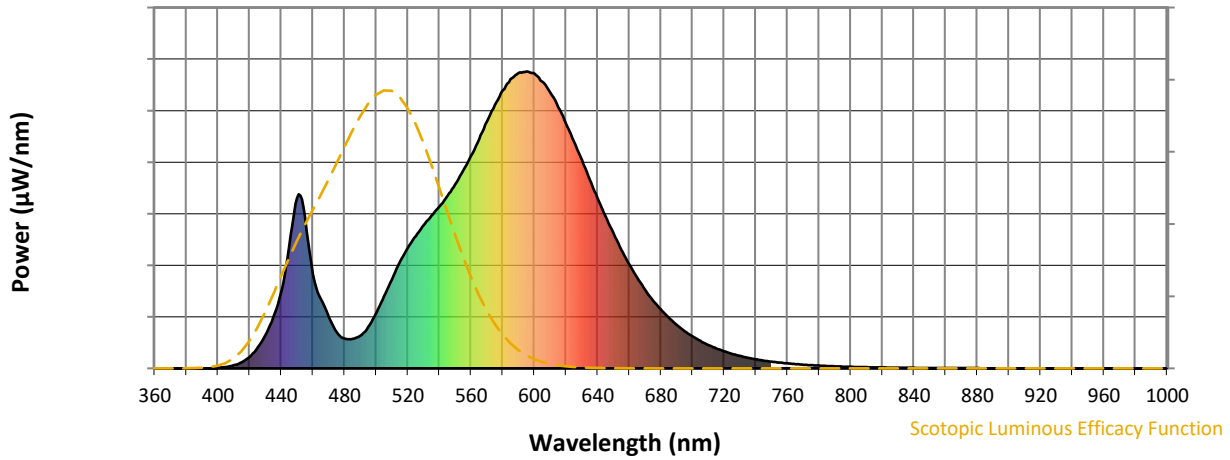


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2406-133-4

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.21

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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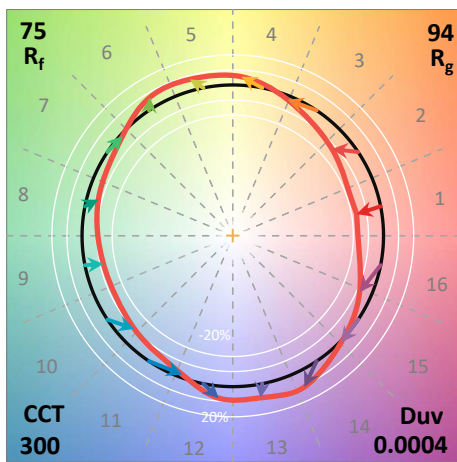
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Summary

$R_f = 75.2$
 $R_g = 93.8$
 CIE $R_a = 71.9$
 $R_g = -33.7$



Color Vector Graphics



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

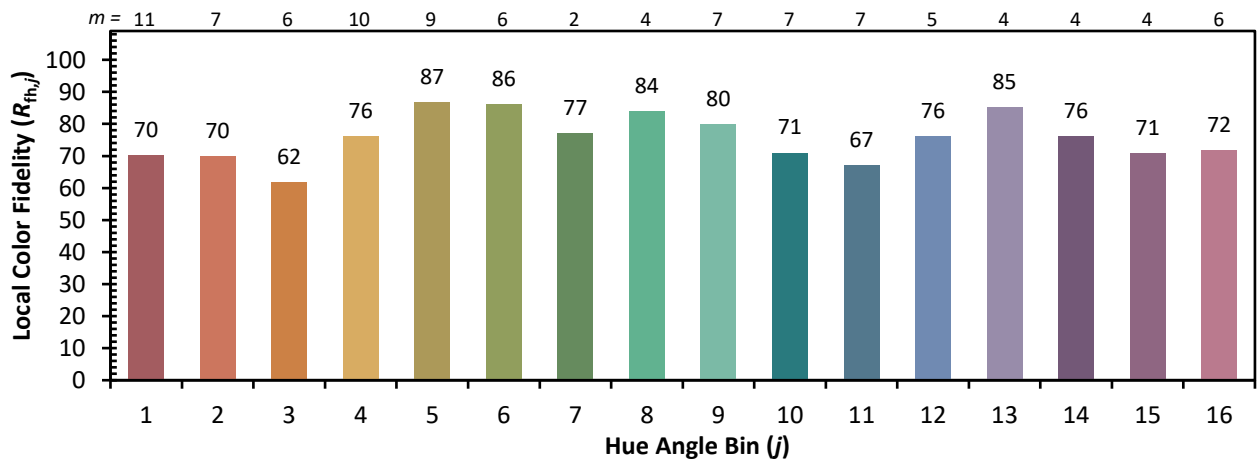
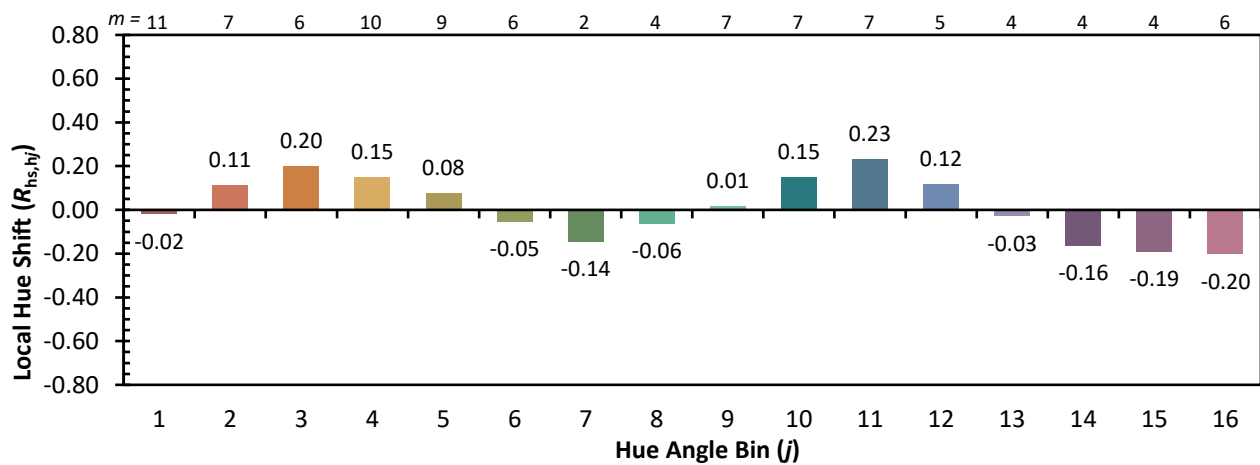
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CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 76	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 93	CES61 = 81	CES86 = 63
CES12 = 65	CES37 = 85	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 67
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 61	CES91 = 80
CES17 = 50	CES42 = 87	CES67 = 59	CES92 = 57
CES18 = 56	CES43 = 79	CES68 = 67	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 61	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 58	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 54	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 65
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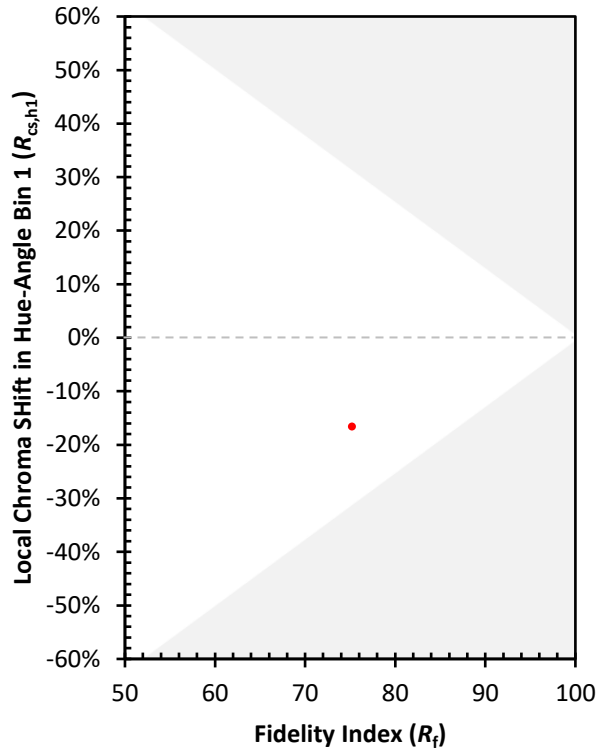
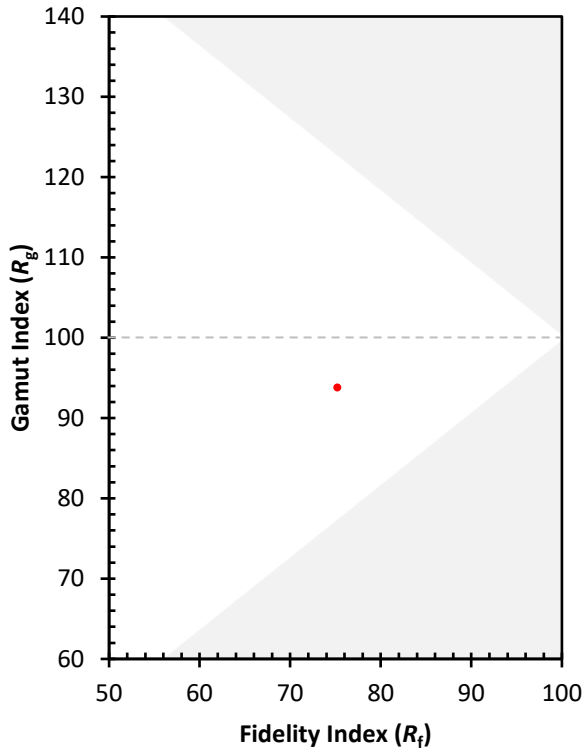
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)