

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: P856089

Luminaire Tested: **FFX-CLB-40-740-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856089
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-740-U-FR-T5
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

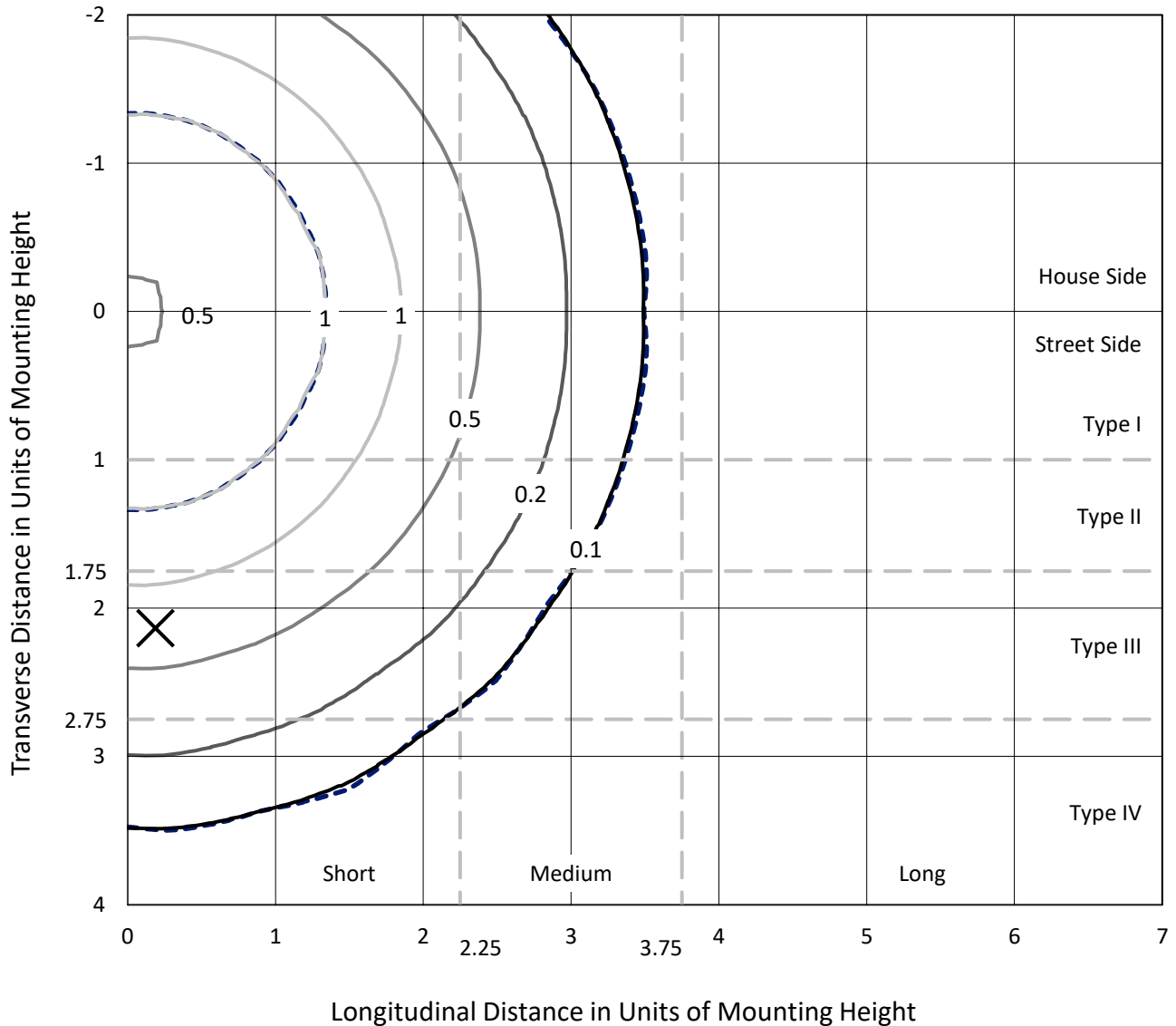
Lumens per Lamp: N/A
Luminaire Lumens: 6578 lumens
Efficiency: N/A
Efficacy: 167.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G2

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

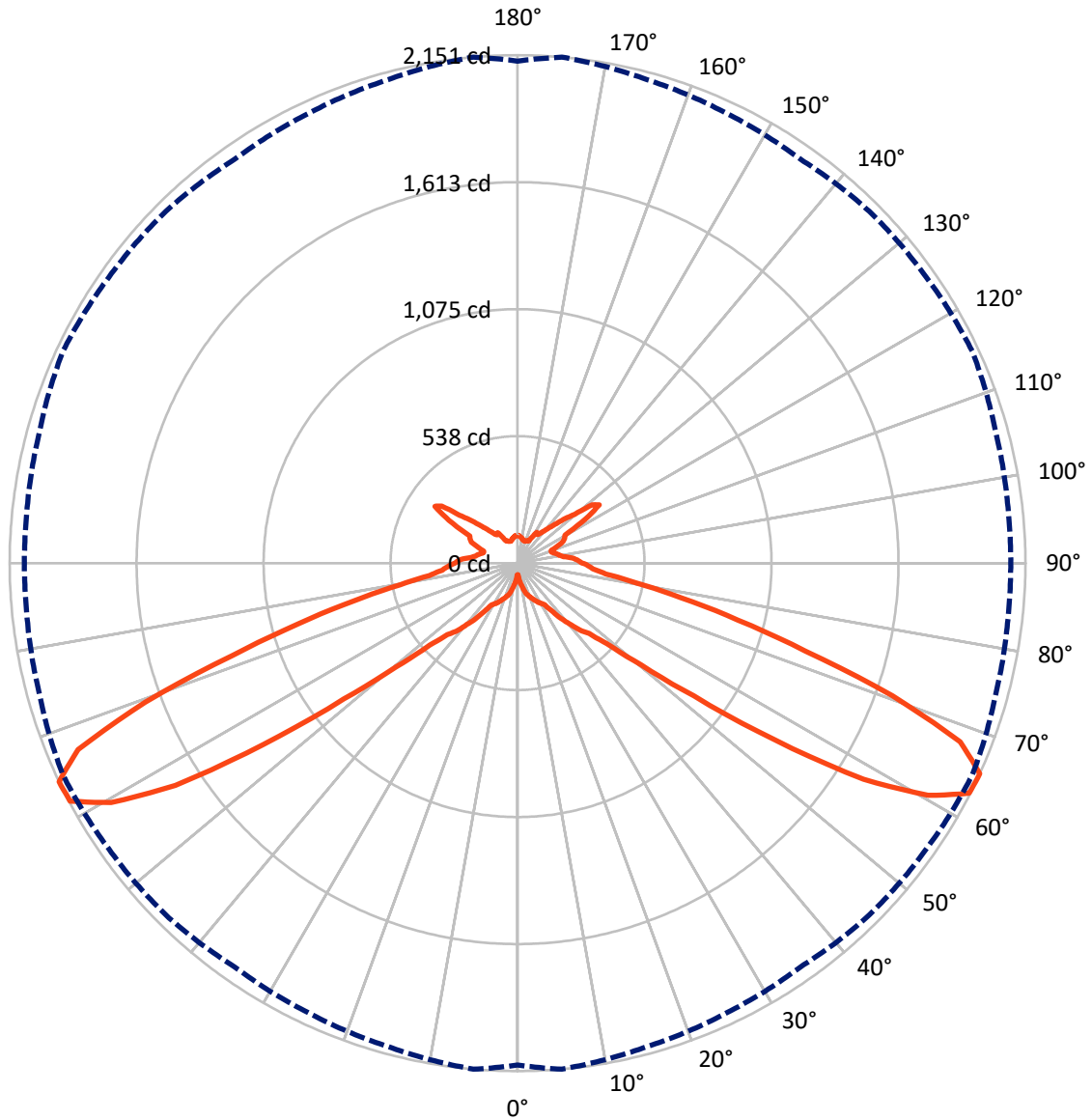
× Max cd
 - - - 1/2 Max cd



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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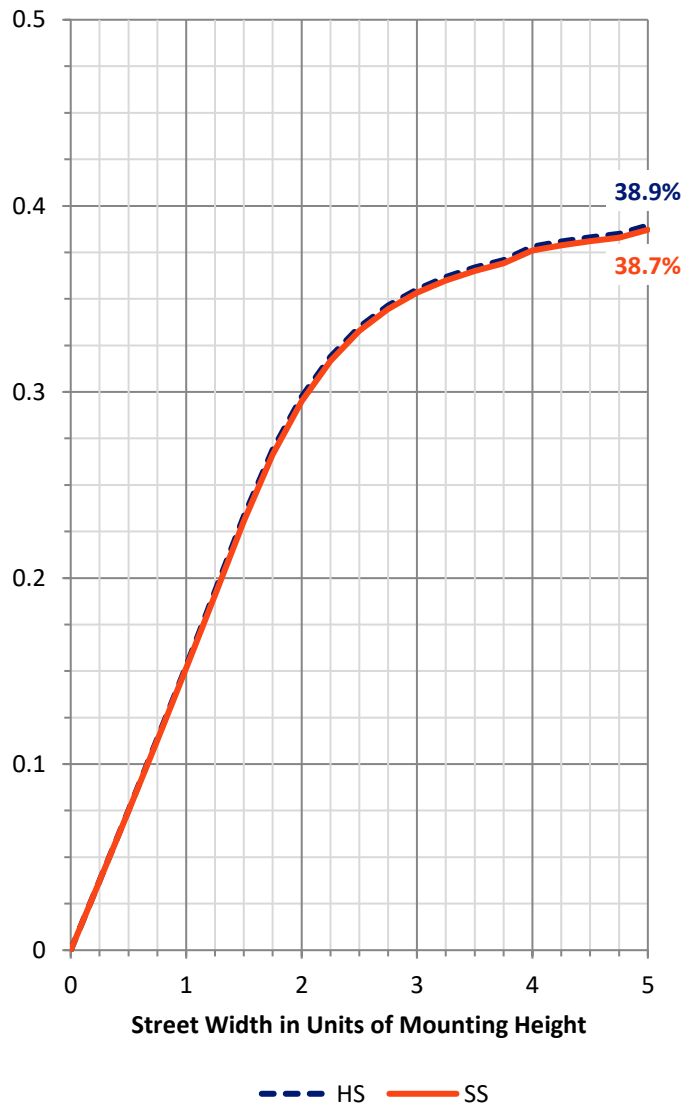
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2650.7	638.4	3289.0
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	2650.7	638.4	3289.0
	% Fixture	40.3	9.7	50.0
Total	Lumens	5301.3	1276.7	6578.0
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.1
10°-20°	37.6	0.6
20°-30°	81.6	1.2
30°-40°	162.0	2.5
40°-50°	351.3	5.3
50°-60°	1209.8	18.4
60°-70°	1987.0	30.2
70°-80°	1066.4	16.2
80°-90°	398.2	6.1
90°-100°	251.5	3.8
100°-110°	168.4	2.6
110°-120°	185.2	2.8
120°-130°	306.4	4.7
130°-140°	180.4	2.7
140°-150°	95.4	1.5
150°-160°	50.1	0.8
160°-170°	28.5	0.4
170°-180°	10.7	0.2
0°-90°	5301.3	80.6
0°-180°	6578.0	100.0



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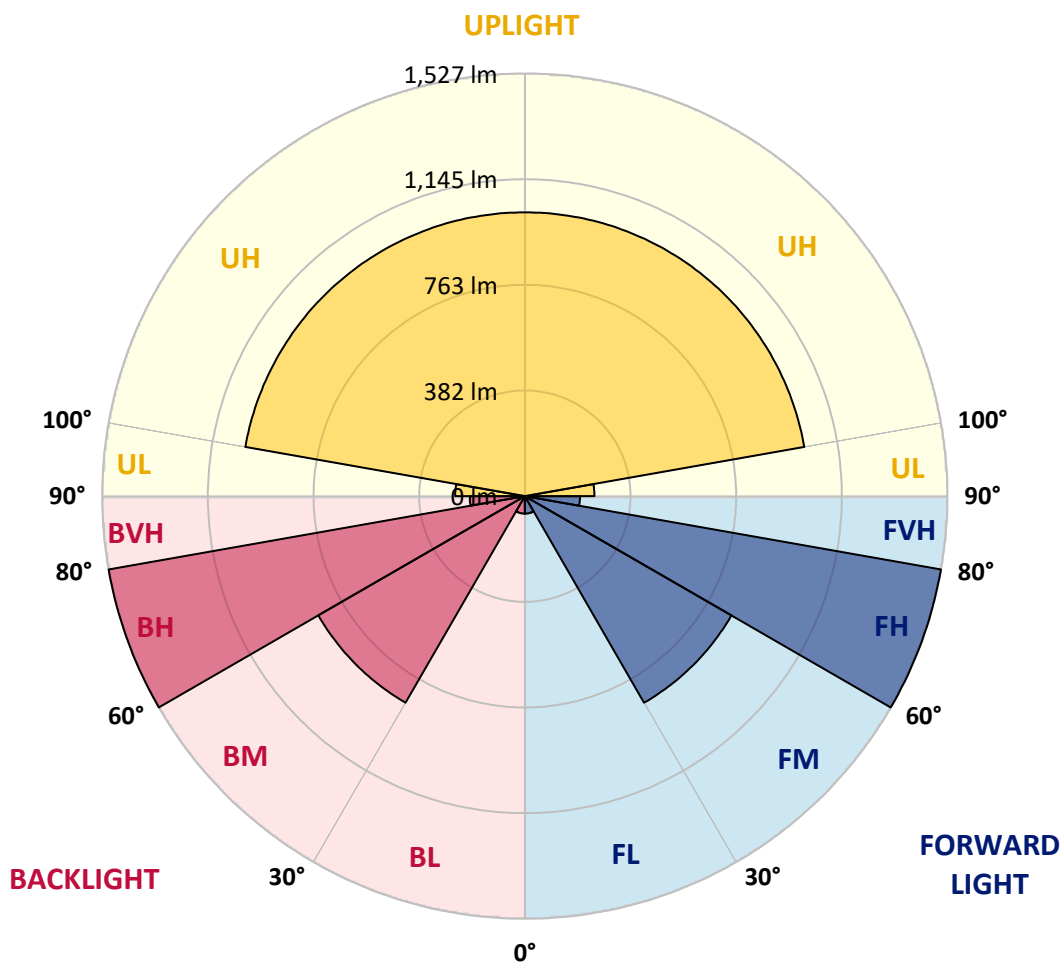
CATALOG NUMBER: FFX-CLB-40-740-U-FR-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	63.3	1.0			
FM (30°-60°)	861.5	13.1			
FH (60°-80°)	1526.7	23.2			G1/1800
FVH (80°-90°)	199.1	3.0			G2/225
BL (0°-30°)	63.3	1.0	B0/110		
BM (30°-60°)	861.5	13.1	B1/1000		
BH (60°-80°)	1526.7	23.2	B3/2500		G1/1800
BVH (80°-90°)	199.1	3.0			G2/225
UL (90°-100°)	251.5	3.8		U3/500	
UH (100°-180°)	1025.2	15.6		U5	

BUG Rating: B3-U5-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
2.5°	51.6	51.6	51.0	50.3	51.0	51.6	51.6	52.3	51.0	51.0	51.6
5°	69.1	69.1	69.1	68.4	67.0	67.0	66.4	68.4	69.1	69.7	69.7
7.5°	85.8	85.1	86.5	87.2	83.8	82.5	82.5	83.1	84.5	85.8	87.2
10°	97.2	96.5	97.2	99.9	99.2	97.2	97.2	97.2	99.2	102.6	103.3
12.5°	114.7	114.7	116.0	118.0	118.7	116.7	115.3	115.3	118.0	118.7	118.0
15°	133.4	133.4	132.8	132.1	132.8	132.1	132.1	132.8	134.8	134.1	134.1
17.5°	143.5	142.8	142.1	142.8	142.8	142.1	142.8	144.2	143.5	145.5	146.2
20°	154.2	154.2	152.9	152.9	152.9	153.5	154.2	153.5	154.2	154.9	155.5
22.5°	164.3	164.3	163.6	162.9	163.6	164.3	164.9	163.6	163.6	164.9	164.9
25°	175.7	175.7	175.7	173.7	174.3	175.0	174.3	173.7	174.3	175.0	175.7
27.5°	188.4	188.4	187.1	185.1	185.7	185.7	186.4	185.1	186.4	186.4	186.4
30°	199.1	197.8	197.1	195.8	195.8	197.1	198.5	196.4	197.1	197.1	197.8
32.5°	209.2	209.2	208.5	205.8	205.2	209.2	210.5	209.9	207.2	207.8	208.5
35°	246.7	246.7	242.0	237.3	241.4	240.7	246.1	246.1	246.1	247.4	250.1
37.5°	293.7	295.7	303.1	313.8	313.8	298.4	290.3	289.6	300.4	309.8	309.1
40°	335.2	337.2	335.2	336.6	335.2	335.9	336.6	335.2	329.2	327.2	323.2
42.5°	386.9	387.5	374.8	360.0	361.4	368.8	377.5	378.1	365.4	359.4	358.0
45°	423.1	424.4	419.7	417.7	417.7	420.4	419.7	419.7	415.0	414.4	413.0
47.5°	511.6	508.9	499.5	496.1	500.2	498.2	510.9	507.5	502.2	502.2	506.9
50°	678.5	675.8	676.5	673.2	683.9	668.5	683.9	679.9	671.8	675.8	679.2
52.5°	951.4	934.6	936.6	929.9	948.7	934.6	960.1	956.8	930.6	942.0	942.7
55°	1344.3	1322.8	1321.5	1276.6	1311.4	1316.1	1348.3	1356.4	1305.4	1306.1	1309.4
57.5°	1733.8	1727.1	1748.6	1720.4	1745.2	1733.8	1733.2	1747.9	1718.4	1722.4	1733.2
60°	1992.0	1997.3	2021.5	2028.8	2037.6	2021.5	1988.6	1995.3	1993.3	2027.5	2030.2
62.5°	2130.1	2146.2	2128.7	2123.4	2116.0	2122.0	2118.0	2122.0	2110.0	2126.1	2126.7
65°	2125.4	2150.9	2119.4	2099.9	2087.8	2106.6	2112.0	2124.1	2098.6	2088.5	2088.5
67.5°	1990.6	2021.5	1971.9	1969.8	1940.3	1971.9	1963.1	1972.5	1952.4	1938.3	1924.9
70°	1656.1	1684.2	1624.6	1631.9	1581.0	1632.6	1619.2	1636.6	1620.5	1593.0	1576.9
72.5°	1247.7	1272.6	1228.3	1239.7	1206.2	1245.1	1224.3	1253.8	1243.7	1231.7	1218.2
75°	944.0	963.5	966.2	1004.4	964.1	982.9	945.4	962.8	979.6	993.6	978.9
77.5°	694.6	708.0	748.2	790.5	750.9	764.3	726.8	743.6	759.0	783.1	772.4
80°	490.8	506.2	543.1	574.6	545.8	557.8	533.7	543.1	555.2	572.6	561.2
82.5°	382.2	376.8	375.5	367.4	358.7	388.9	394.9	400.3	388.9	384.2	378.8
85°	320.5	321.8	329.9	339.9	339.9	340.6	334.6	337.2	341.9	350.7	351.3
87.5°	294.3	298.4	321.2	329.2	325.8	327.2	321.8	323.2	326.5	331.2	329.9
90°	259.5	269.5	291.0	299.0	293.7	296.3	293.7	295.7	293.0	294.3	291.7
92.5°	253.4	252.8	259.5	258.8	255.4	263.5	263.5	264.8	261.5	259.5	258.1
95°	234.7	233.3	232.7	234.7	227.3	233.3	232.0	234.7	233.3	233.3	230.6
97.5°	196.4	196.4	195.1	197.1	192.4	195.1	191.8	193.8	193.1	193.8	191.8
100°	181.0	181.0	179.7	179.7	177.7	178.3	177.0	177.0	176.3	175.7	175.7
102.5°	170.3	171.6	169.6	170.3	167.6	167.6	166.3	166.9	166.3	166.3	165.6
105°	160.2	160.9	159.6	159.6	157.6	156.9	155.5	156.2	156.9	155.5	155.5
107.5°	150.2	150.9	150.2	150.2	148.2	146.8	144.8	144.8	145.5	146.2	146.2
110°	154.2	152.2	150.2	148.8	151.5	147.5	146.2	145.5	146.2	148.2	148.8



REPORT NUMBER: P856089
 CATALOG NUMBER: FFX-CLB-40-740-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	184.4	183.0	183.0	177.0	183.7	179.7	177.0	172.3	174.3	175.7	175.7
115°	213.9	214.6	206.5	203.8	199.8	199.1	201.1	195.8	195.1	195.8	194.4
117.5°	240.0	225.9	195.8	187.7	185.7	184.4	183.0	181.7	180.4	188.4	179.7
120°	256.8	232.7	210.5	205.8	217.2	201.1	190.4	188.4	192.4	206.5	204.5
122.5°	364.1	343.3	327.2	299.0	327.2	311.1	315.1	307.7	303.7	295.7	297.0
125°	425.7	425.1	417.7	412.3	419.0	413.0	406.3	403.6	399.6	401.6	398.3
127.5°	395.6	401.6	392.2	403.0	378.8	385.5	384.2	388.9	384.9	386.2	380.8
130°	313.1	317.8	309.1	303.7	293.0	305.1	305.7	313.1	305.1	294.3	293.0
132.5°	273.6	276.9	263.5	256.8	249.4	260.1	264.8	268.9	263.5	252.1	249.4
135°	232.7	234.0	224.6	225.9	221.3	221.3	220.6	222.6	225.3	223.3	221.9
137.5°	199.8	203.2	199.8	203.8	199.8	196.4	191.1	193.1	199.1	203.8	203.2
140°	173.0	176.3	177.0	181.0	173.0	174.3	171.0	172.3	175.7	180.4	182.4
142.5°	153.5	156.2	150.2	146.8	144.2	152.2	158.2	158.9	154.9	149.5	151.5
145°	149.5	146.8	149.5	146.8	149.5	148.2	148.8	148.2	148.2	148.2	148.2
147.5°	151.5	154.2	154.2	154.2	150.2	150.9	151.5	152.2	152.2	154.9	154.2
150°	126.0	129.4	128.7	132.1	126.0	127.4	128.1	129.4	130.1	130.7	131.4
152.5°	106.6	107.3	109.3	110.6	110.0	109.3	108.6	108.6	110.0	111.3	112.0
155°	103.9	103.9	105.9	107.9	105.9	105.9	105.3	105.3	105.9	107.9	107.9
157.5°	99.9	100.6	100.6	101.9	100.6	101.2	100.6	100.6	101.2	101.9	102.6
160°	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.2	99.2
162.5°	97.9	97.9	97.9	97.2	97.2	97.9	97.9	97.9	97.9	97.2	97.9
165°	99.9	99.2	98.6	97.9	98.6	99.9	100.6	100.6	99.9	98.6	99.2
167.5°	103.9	103.9	103.3	102.6	103.3	103.9	104.6	104.6	103.9	103.3	103.3
170°	107.9	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3
172.5°	110.6	110.6	111.3	110.6	111.3	111.3	110.6	110.6	110.6	110.6	111.3
175°	114.7	114.7	114.7	114.7	115.3	115.3	115.3	115.3	115.3	115.3	115.3
177.5°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
180°	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-1

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5.

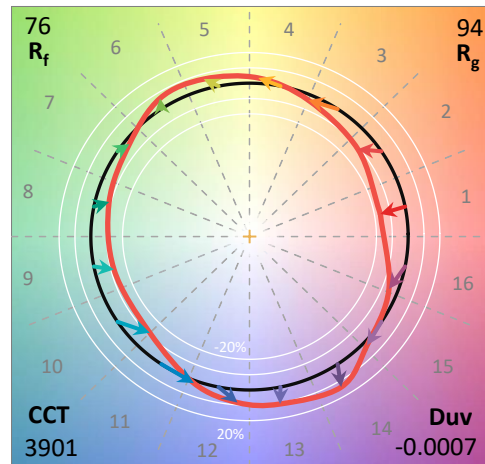
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-1
 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-100-740-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3901
 CIE u': 0.2273
 CIE v': 0.5026
 Duv: -0.0007
 CIE x: 0.3844
 CIE y: 0.3776
 CIE z: 0.2380
 Peak Wavelength (nm): 451
 Dominant Wavelength (nm): 579
 Purity: 28.6799
 Rf: 76.2
 Rg: 94.4

CRI (Ra):	74.5		
R1:	71.8	R9:	-23.4
R2:	81.9	R10:	56.6
R3:	89.3	R11:	68.4
R4:	72.6	R12:	46.6
R5:	71.3	R13:	73.7
R6:	74.0	R14:	93.9
R7:	81.5	R15:	65.1
R8:	53.3		



Test Conditions

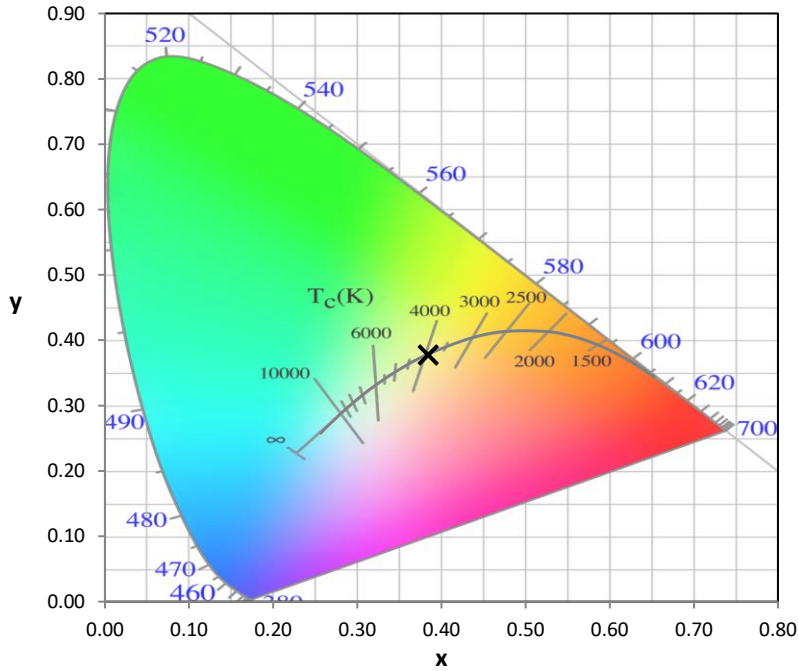
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

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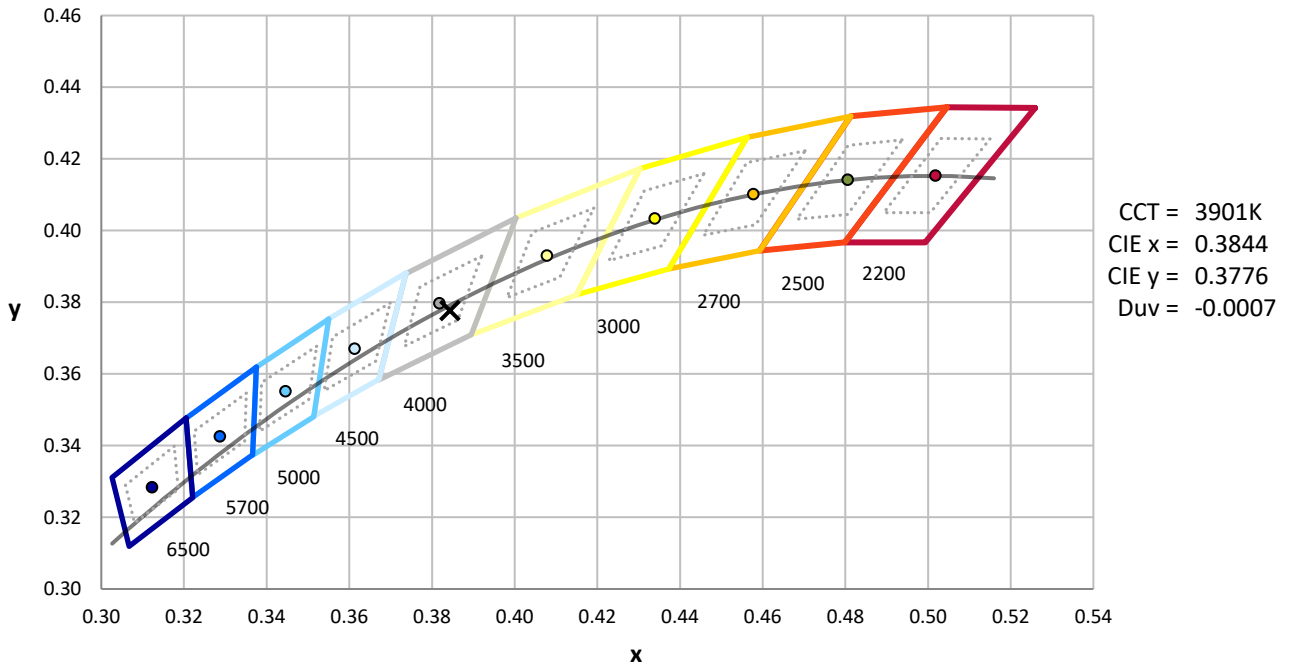
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 4000K 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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.53

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.04

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Summary

$R_f = 76.2$
 $R_g = 94.4$
 CIE $R_a = 74.5$
 $R_g = -23.4$



Color Vector Graphics



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

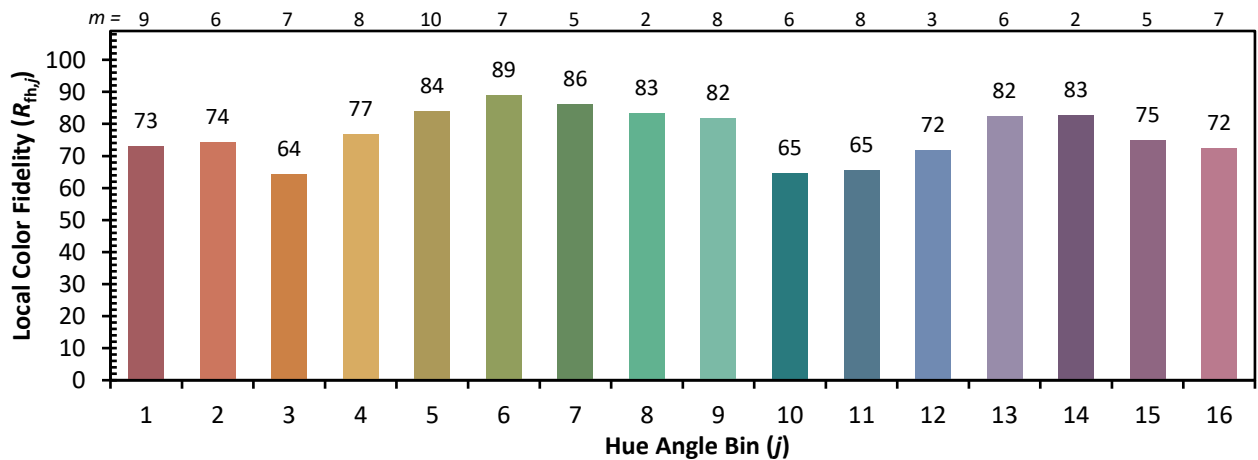
CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 73
CES12 = 63	CES37 = 81	CES62 = 84	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 74	CES88 = 83
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 59	CES91 = 73
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 60
CES18 = 56	CES43 = 80	CES68 = 66	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 55
CES20 = 65	CES45 = 87	CES70 = 59	CES95 = 67
CES21 = 86	CES46 = 85	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 90	CES72 = 84	CES97 = 86
CES23 = 92	CES48 = 81	CES73 = 51	CES98 = 79
CES24 = 91	CES49 = 83	CES74 = 92	CES99 = 68
CES25 = 72	CES50 = 89	CES75 = 56	



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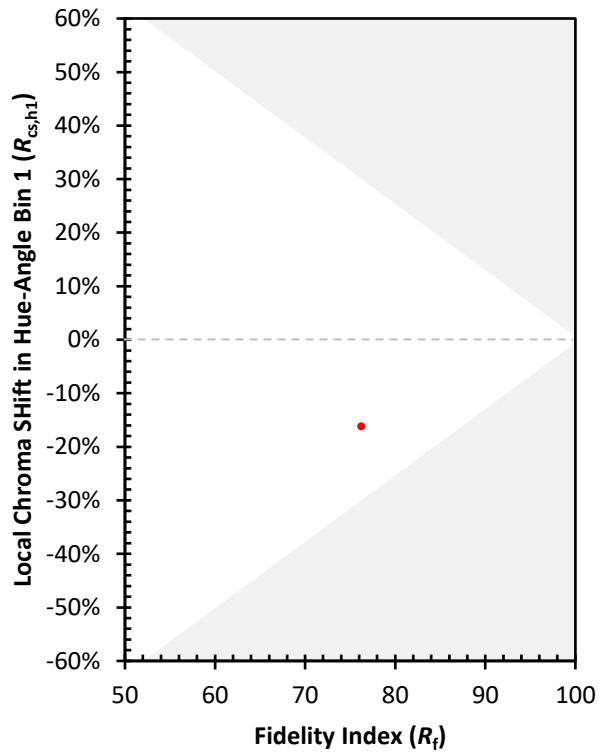
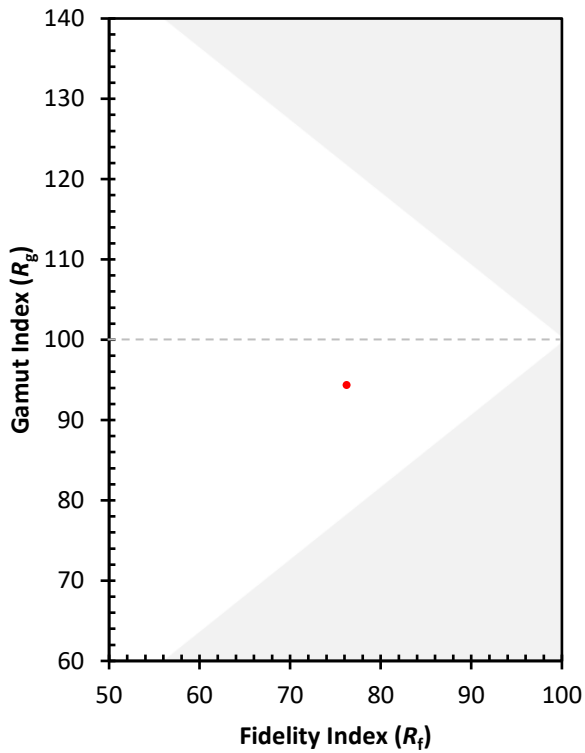
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)