

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: P856090

Luminaire Tested: **FFX-CLB-30-740-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856090
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-30-740-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

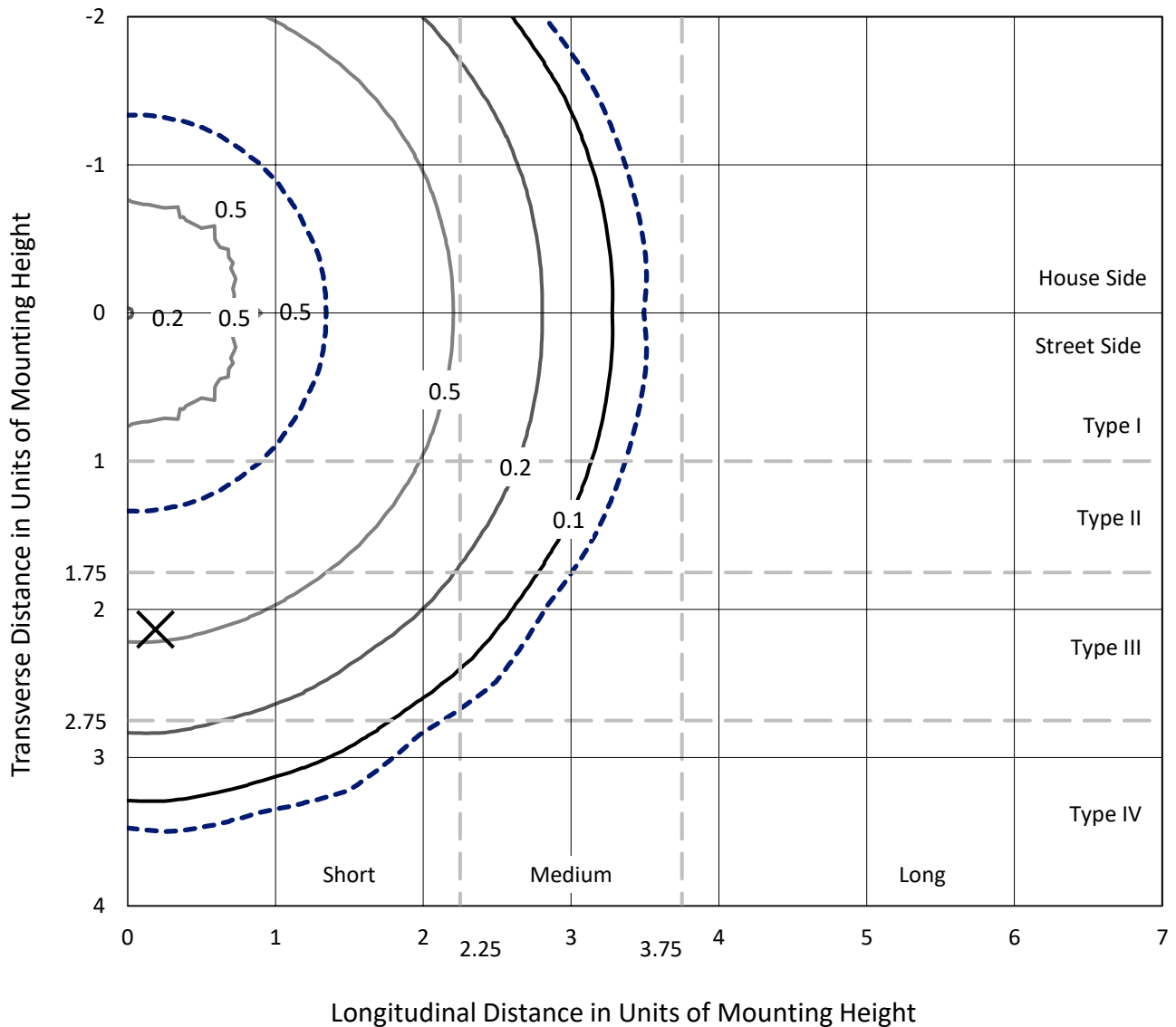
Lumens per Lamp: N/A
Luminaire Lumens: 5101 lumens
Efficiency: N/A
Efficacy: 167.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 30.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 10.6%%
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

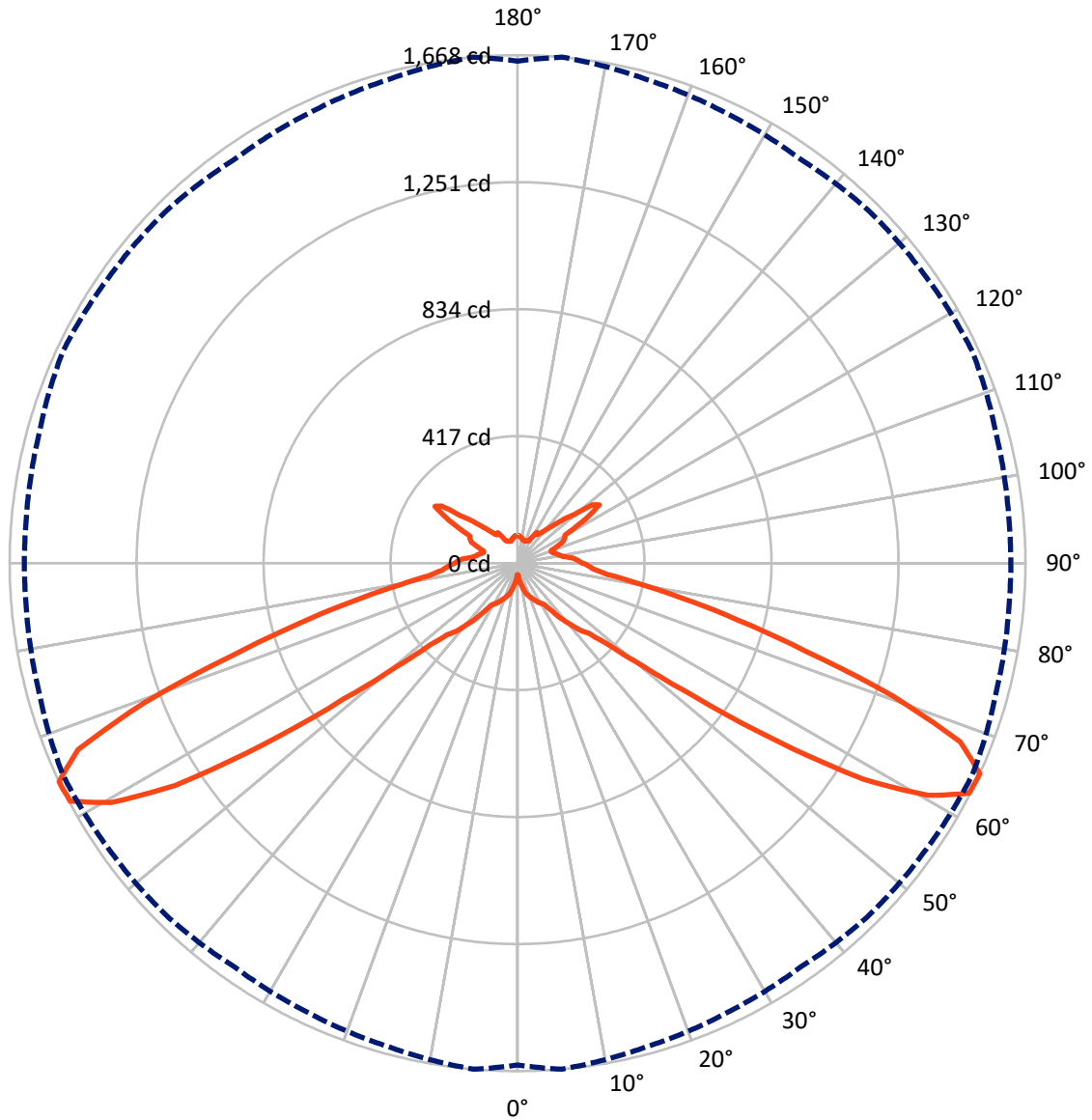
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 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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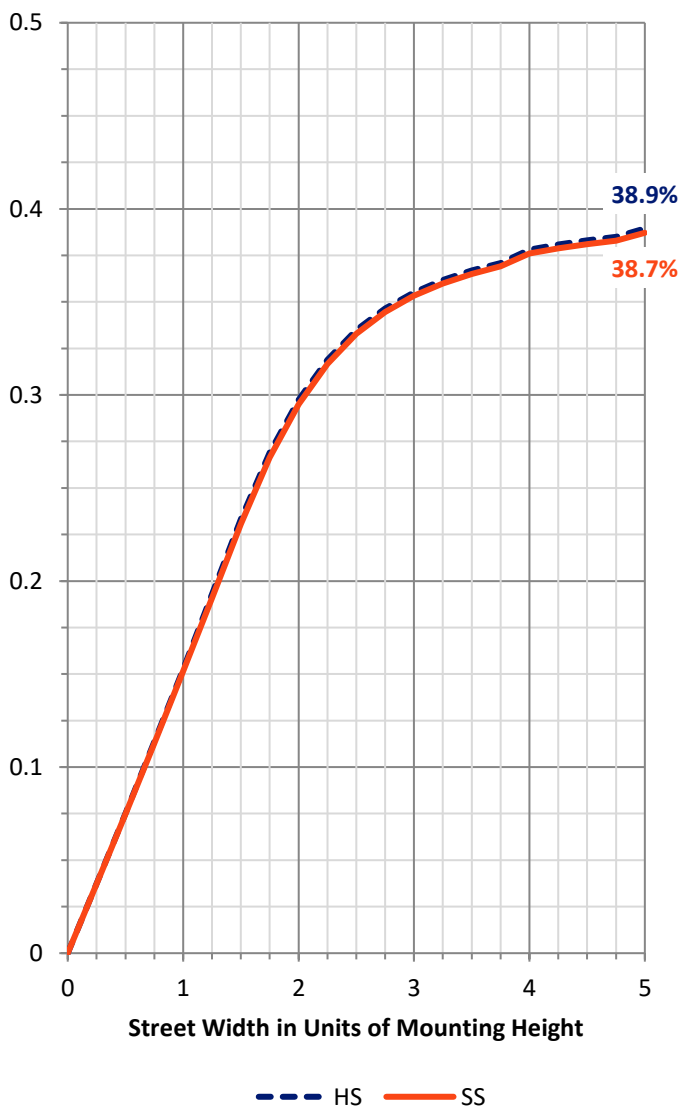
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2055.5	495.0	2550.5
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	2055.5	495.0	2550.5
	% Fixture	40.3	9.7	50.0
Total	Lumens	4111.0	990.0	5101.0
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	29.1	0.6
20°-30°	63.3	1.2
30°-40°	125.6	2.5
40°-50°	272.4	5.3
50°-60°	938.1	18.4
60°-70°	1540.8	30.2
70°-80°	827.0	16.2
80°-90°	308.8	6.1
90°-100°	195.0	3.8
100°-110°	130.6	2.6
110°-120°	143.6	2.8
120°-130°	237.6	4.7
130°-140°	139.9	2.7
140°-150°	74.0	1.5
150°-160°	38.9	0.8
160°-170°	22.1	0.4
170°-180°	8.3	0.2
0°-90°	4111.0	80.6
0°-180°	5101.0	100.0



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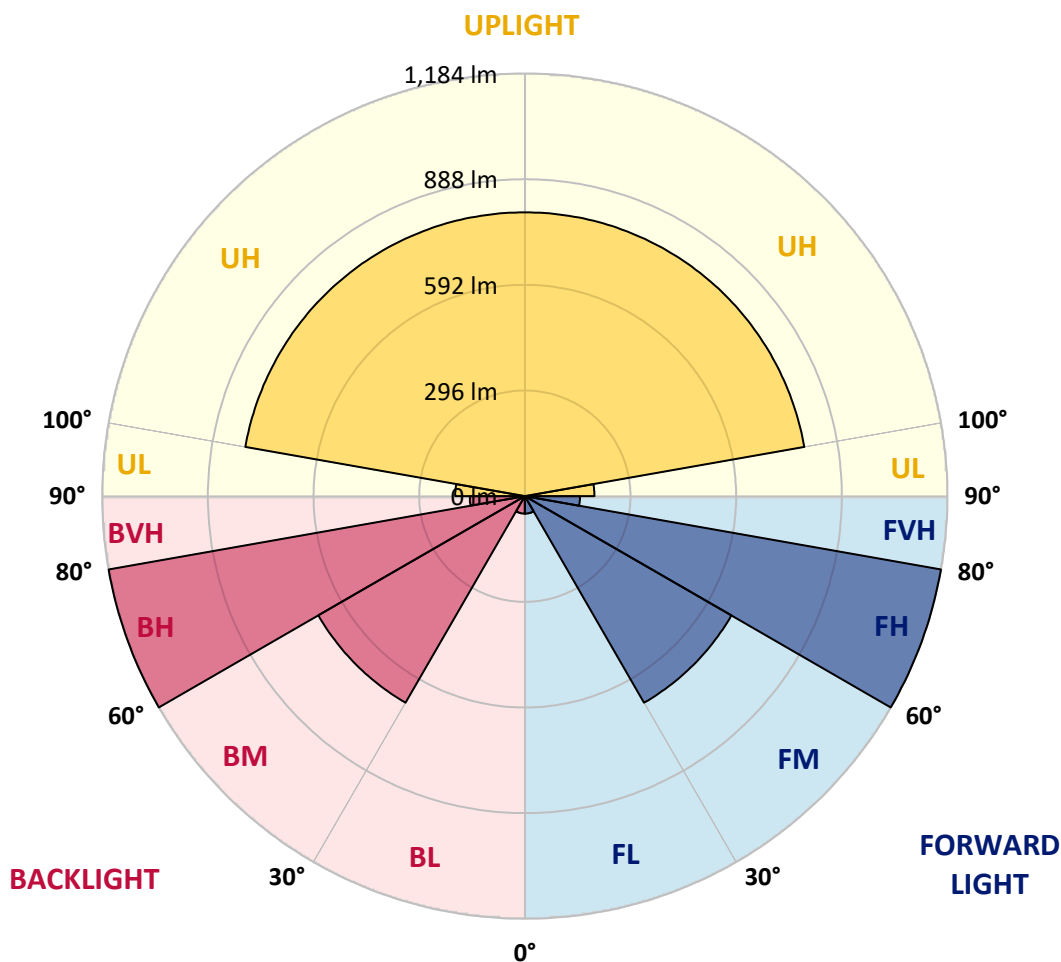
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	49.1	1.0			
FM (30°-60°)	668.1	13.1			
FH (60°-80°)	1183.9	23.2			G1/1800
FVH (80°-90°)	154.4	3.0			G2/225
BL (0°-30°)	49.1	1.0	B0/110		
BM (30°-60°)	668.1	13.1	B1/1000		
BH (60°-80°)	1183.9	23.2	B3/2500		G1/1800
BVH (80°-90°)	154.4	3.0			G2/225
UL (90°-100°)	195.0	3.8		U3/500	
UH (100°-180°)	795.0	15.6		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°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
2.5°	40.0	40.0	39.5	39.0	39.5	40.0	40.0	40.6	39.5	39.5	40.0
5°	53.6	53.6	53.6	53.0	52.0	52.0	51.5	53.0	53.6	54.1	54.1
7.5°	66.6	66.0	67.1	67.6	65.0	64.0	64.0	64.5	65.5	66.6	67.6
10°	75.4	74.9	75.4	77.5	76.9	75.4	75.4	75.4	76.9	79.5	80.1
12.5°	88.9	88.9	89.9	91.5	92.0	90.5	89.4	89.4	91.5	92.0	91.5
15°	103.5	103.5	102.9	102.4	102.9	102.4	102.4	102.9	104.5	104.0	104.0
17.5°	111.3	110.7	110.2	110.7	110.7	110.2	110.7	111.8	111.3	112.8	113.3
20°	119.6	119.6	118.5	118.5	118.5	119.1	119.6	119.1	119.6	120.1	120.6
22.5°	127.4	127.4	126.9	126.3	126.9	127.4	127.9	126.9	126.9	127.9	127.9
25°	136.2	136.2	136.2	134.7	135.2	135.7	135.2	134.7	135.2	135.7	136.2
27.5°	146.1	146.1	145.1	143.5	144.0	144.0	144.5	143.5	144.5	144.5	144.5
30°	154.4	153.4	152.9	151.8	151.8	152.9	153.9	152.3	152.9	152.9	153.4
32.5°	162.2	162.2	161.7	159.6	159.1	162.2	163.3	162.7	160.7	161.2	161.7
35°	191.3	191.3	187.7	184.1	187.2	186.7	190.8	190.8	190.8	191.9	193.9
37.5°	227.7	229.3	235.0	243.3	243.3	231.4	225.1	224.6	232.9	240.2	239.7
40°	260.0	261.5	260.0	261.0	260.0	260.5	261.0	260.0	255.3	253.7	250.6
42.5°	300.0	300.5	290.6	279.2	280.2	286.0	292.7	293.2	283.4	278.7	277.6
45°	328.1	329.1	325.5	323.9	323.9	326.0	325.5	325.5	321.8	321.3	320.3
47.5°	396.7	394.6	387.3	384.7	387.9	386.3	396.2	393.6	389.4	389.4	393.1
50°	526.2	524.1	524.6	522.0	530.3	518.4	530.3	527.2	521.0	524.1	526.7
52.5°	737.8	724.8	726.3	721.1	735.7	724.8	744.5	741.9	721.7	730.5	731.0
55°	1042.5	1025.8	1024.8	989.9	1017.0	1020.6	1045.6	1051.8	1012.3	1012.8	1015.4
57.5°	1344.5	1339.3	1356.0	1334.1	1353.4	1344.5	1344.0	1355.4	1332.6	1335.7	1344.0
60°	1544.7	1548.9	1567.6	1573.3	1580.1	1567.6	1542.1	1547.3	1545.7	1572.3	1574.3
62.5°	1651.8	1664.3	1650.8	1646.6	1640.9	1645.6	1642.4	1645.6	1636.2	1648.7	1649.2
65°	1648.2	1667.9	1643.5	1628.4	1619.1	1633.6	1637.8	1647.1	1627.4	1619.6	1619.6
67.5°	1543.7	1567.6	1529.1	1527.5	1504.7	1529.1	1522.3	1529.6	1514.0	1503.1	1492.7
70°	1284.2	1306.1	1259.8	1265.5	1226.0	1266.0	1255.6	1269.1	1256.7	1235.3	1222.9
72.5°	967.6	986.8	952.5	961.3	935.3	965.5	949.4	972.3	964.5	955.1	944.7
75°	732.1	747.1	749.2	778.9	747.7	762.2	733.1	746.6	759.6	770.5	759.1
77.5°	538.6	549.0	580.2	613.0	582.3	592.7	563.6	576.6	588.6	607.3	599.0
80°	380.6	392.5	421.1	445.6	423.2	432.6	413.9	421.1	430.5	444.0	435.2
82.5°	296.4	292.2	291.2	284.9	278.2	301.6	306.2	310.4	301.6	297.9	293.8
85°	248.5	249.6	255.8	263.6	263.6	264.1	259.4	261.5	265.2	271.9	272.4
87.5°	228.2	231.4	249.0	255.3	252.7	253.7	249.6	250.6	253.2	256.8	255.8
90°	201.2	209.0	225.6	231.9	227.7	229.8	227.7	229.3	227.2	228.2	226.2
92.5°	196.5	196.0	201.2	200.7	198.1	204.3	204.3	205.4	202.8	201.2	200.2
95°	182.0	180.9	180.4	182.0	176.3	180.9	179.9	182.0	180.9	180.9	178.9
97.5°	152.3	152.3	151.3	152.9	149.2	151.3	148.7	150.3	149.7	150.3	148.7
100°	140.4	140.4	139.3	139.3	137.8	138.3	137.3	137.3	136.7	136.2	136.2
102.5°	132.1	133.1	131.5	132.1	130.0	130.0	128.9	129.5	128.9	128.9	128.4
105°	124.3	124.8	123.7	123.7	122.2	121.7	120.6	121.1	121.7	120.6	120.6
107.5°	116.5	117.0	116.5	116.5	114.9	113.9	112.3	112.3	112.8	113.3	113.3
110°	119.6	118.0	116.5	115.4	117.5	114.4	113.3	112.8	113.3	114.9	115.4



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 CATALOG NUMBER: FFX-CLB-30-740-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	143.0	141.9	141.9	137.3	142.5	139.3	137.3	133.6	135.2	136.2	136.2
115°	165.9	166.4	160.1	158.1	154.9	154.4	156.0	151.8	151.3	151.8	150.8
117.5°	186.1	175.2	151.8	145.6	144.0	143.0	141.9	140.9	139.9	146.1	139.3
120°	199.1	180.4	163.3	159.6	168.5	156.0	147.7	146.1	149.2	160.1	158.6
122.5°	282.3	266.2	253.7	231.9	253.7	241.2	244.4	238.6	235.5	229.3	230.3
125°	330.2	329.6	323.9	319.8	325.0	320.3	315.1	313.0	309.9	311.4	308.8
127.5°	306.8	311.4	304.2	312.5	293.8	299.0	297.9	301.6	298.4	299.5	295.3
130°	242.8	246.4	239.7	235.5	227.2	236.6	237.1	242.8	236.6	228.2	227.2
132.5°	212.1	214.7	204.3	199.1	193.4	201.7	205.4	208.5	204.3	195.5	193.4
135°	180.4	181.5	174.2	175.2	171.6	171.6	171.1	172.6	174.7	173.1	172.1
137.5°	154.9	157.5	154.9	158.1	154.9	152.3	148.2	149.7	154.4	158.1	157.5
140°	134.1	136.7	137.3	140.4	134.1	135.2	132.6	133.6	136.2	139.9	141.4
142.5°	119.1	121.1	116.5	113.9	111.8	118.0	122.7	123.2	120.1	115.9	117.5
145°	115.9	113.9	115.9	113.9	115.9	114.9	115.4	114.9	114.9	114.9	114.9
147.5°	117.5	119.6	119.6	119.6	116.5	117.0	117.5	118.0	118.0	120.1	119.6
150°	97.7	100.3	99.8	102.4	97.7	98.8	99.3	100.3	100.9	101.4	101.9
152.5°	82.7	83.2	84.7	85.8	85.3	84.7	84.2	84.2	85.3	86.3	86.8
155°	80.6	80.6	82.1	83.7	82.1	82.1	81.6	81.6	82.1	83.7	83.7
157.5°	77.5	78.0	78.0	79.0	78.0	78.5	78.0	78.0	78.5	79.0	79.5
160°	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.9	76.9
162.5°	75.9	75.9	75.9	75.4	75.4	75.9	75.9	75.9	75.9	75.4	75.9
165°	77.5	76.9	76.4	75.9	76.4	77.5	78.0	78.0	77.5	76.4	76.9
167.5°	80.6	80.6	80.1	79.5	80.1	80.6	81.1	81.1	80.6	80.1	80.1
170°	83.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
172.5°	85.8	85.8	86.3	85.8	86.3	86.3	85.8	85.8	85.8	85.8	86.3
175°	88.9	88.9	88.9	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4
177.5°	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
180°	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5

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
 R_f: 76.2
 R_g: 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

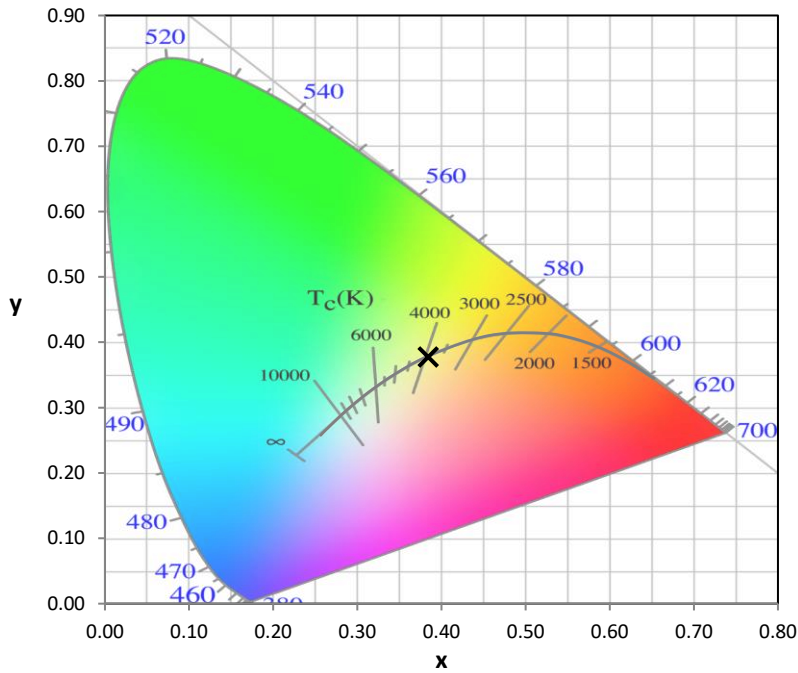
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

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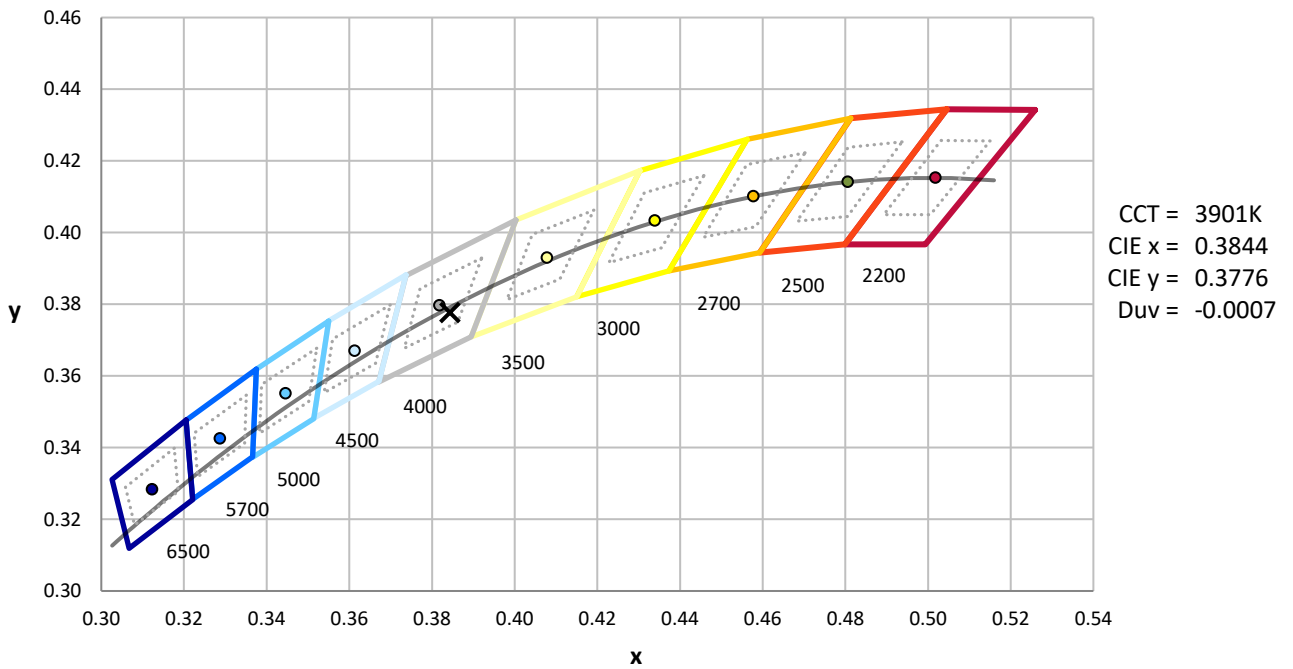
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 ($R_{f,i}$)

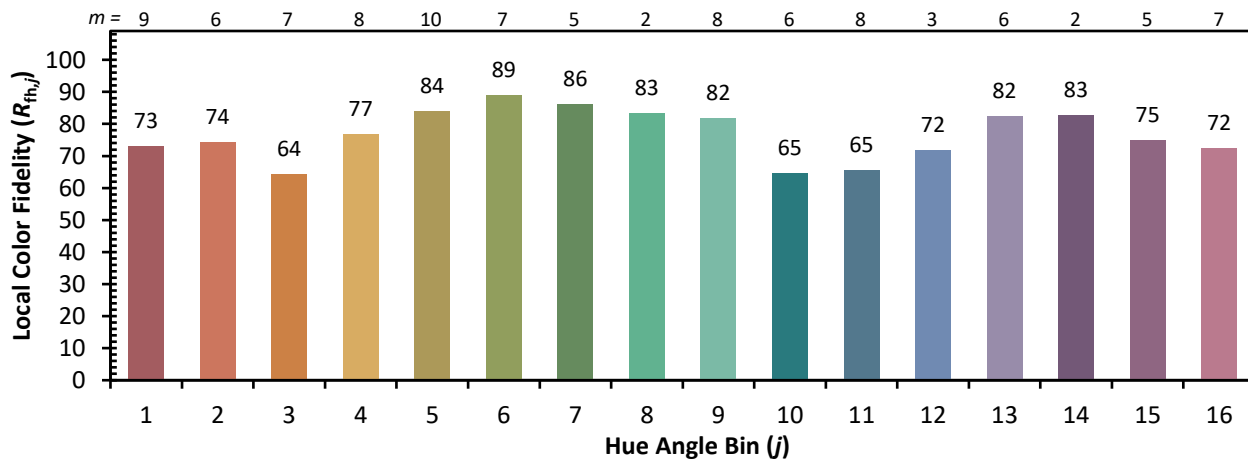
CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 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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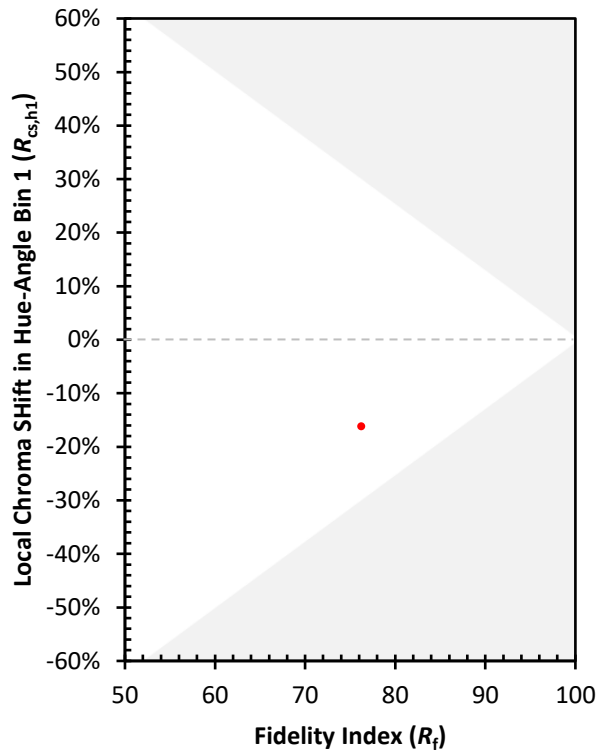
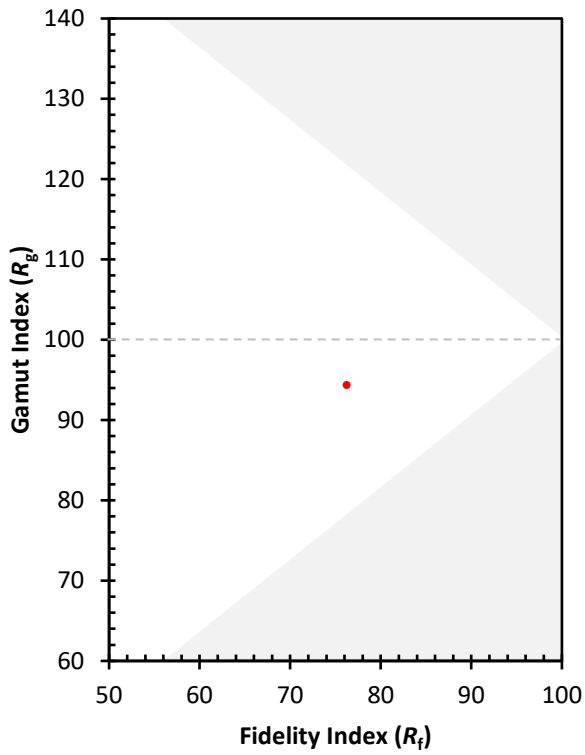
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)