

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: P856176

Luminaire Tested: **FFX-CLB-70-740-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856176
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-70-740-U-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

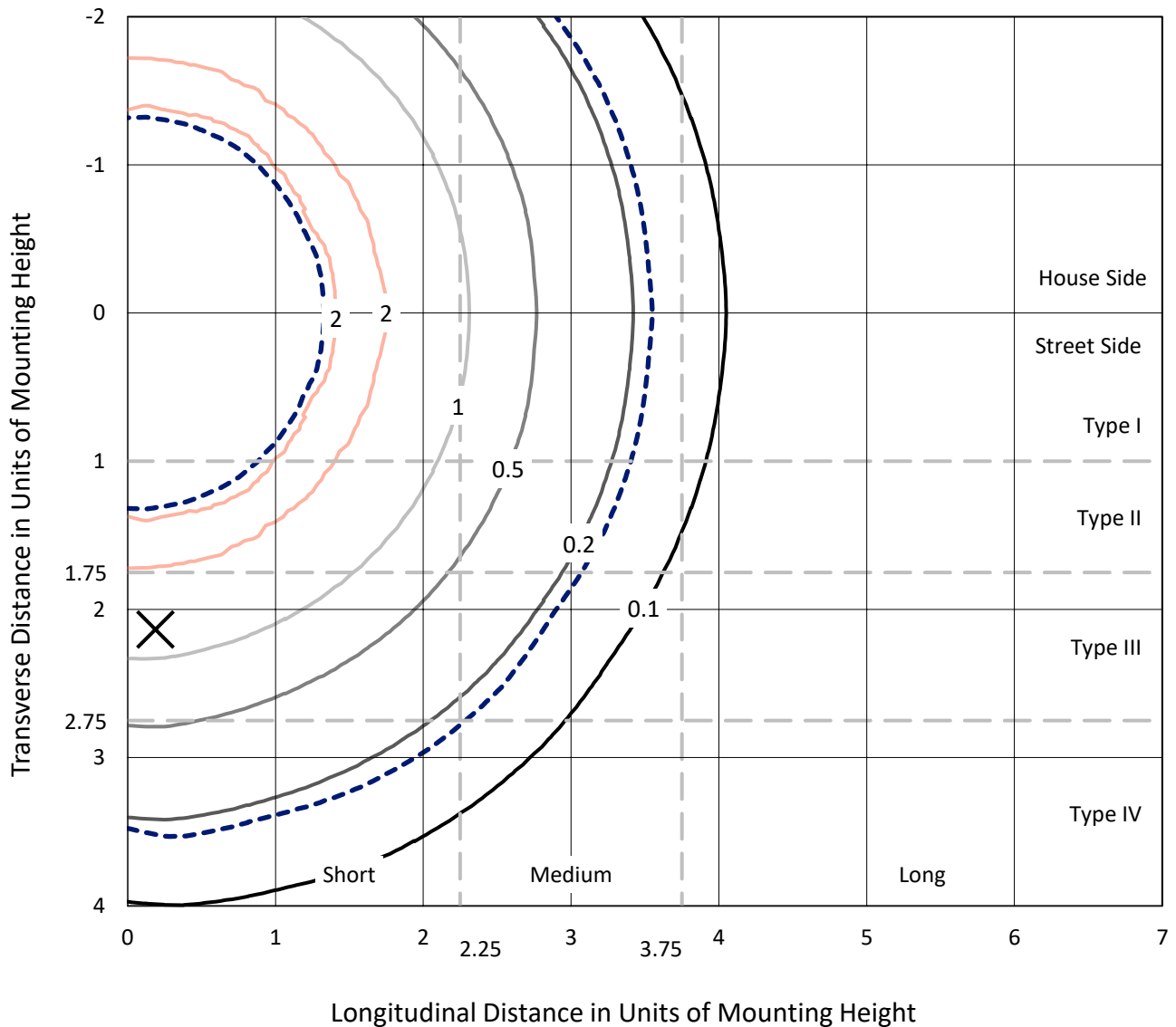
Lumens per Lamp: N/A
Luminaire Lumens: 11268.2 lumens
Efficiency: N/A
Efficacy: 160.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B4 - U4 - G3

Input Watts (W): 70.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 7.1%%
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

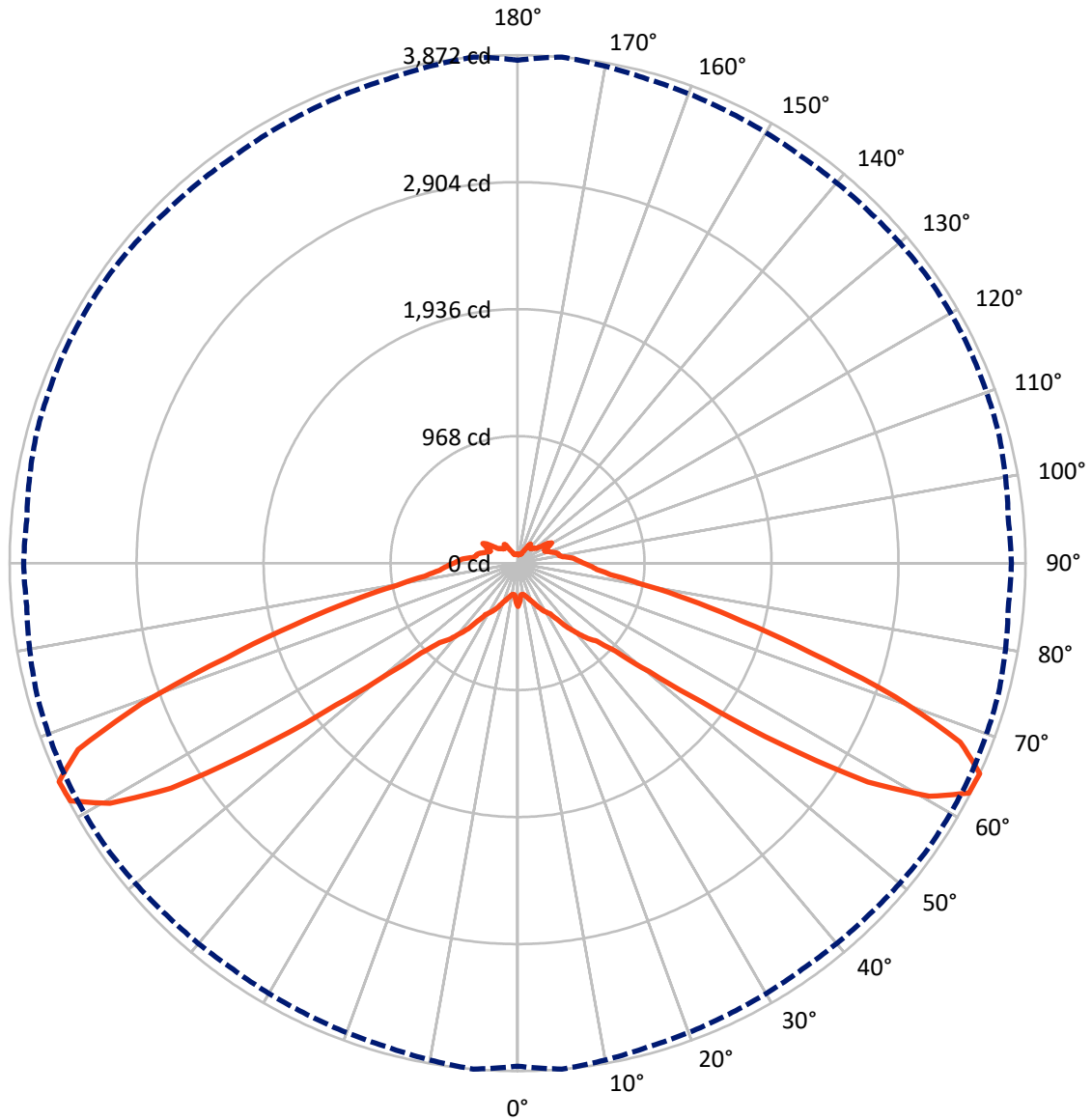
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 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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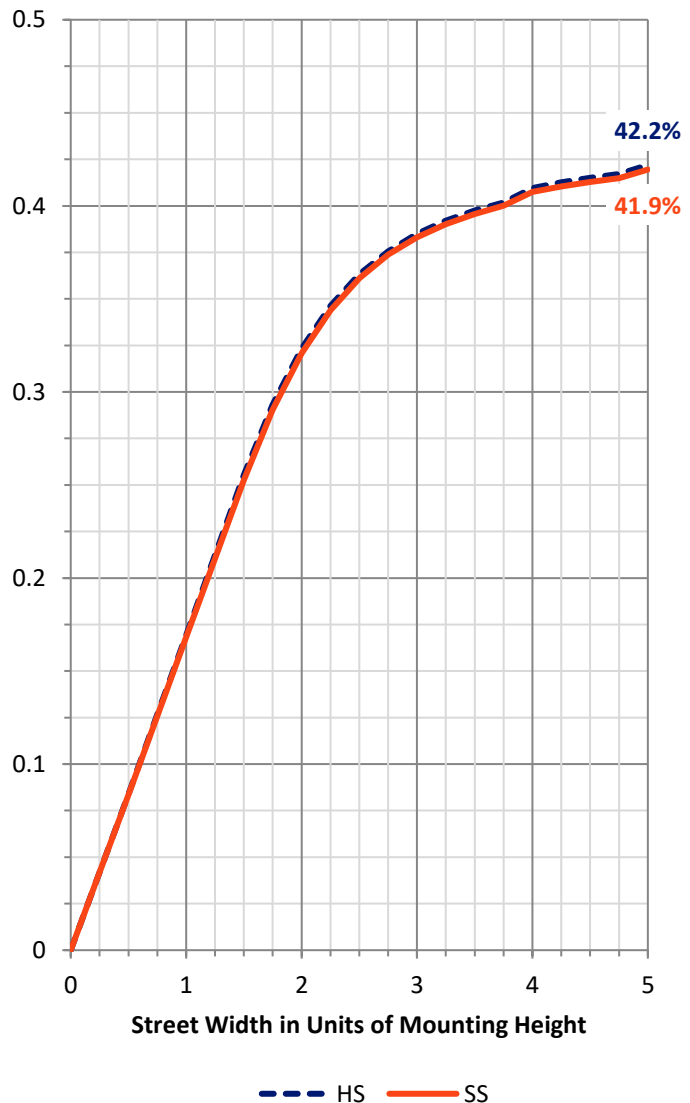
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4922.1	712.0	5634.1
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	4922.1	712.0	5634.1
	% Fixture	43.7	6.3	50.0
Total	Lumens	9844.2	1424.0	11268.2
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.2
10°-20°	79.1	0.7
20°-30°	171.5	1.5
30°-40°	347.4	3.1
40°-50°	700.4	6.2
50°-60°	2226.8	19.8
60°-70°	3591.1	31.9
70°-80°	1958.3	17.4
80°-90°	745.7	6.6
90°-100°	447.5	4.0
100°-110°	285.4	2.5
110°-120°	217.1	1.9
120°-130°	183.7	1.6
130°-140°	119.7	1.1
140°-150°	100.3	0.9
150°-160°	45.0	0.4
160°-170°	19.1	0.2
170°-180°	6.4	0.1
0°-90°	9844.2	87.4
0°-180°	11268.2	100.0



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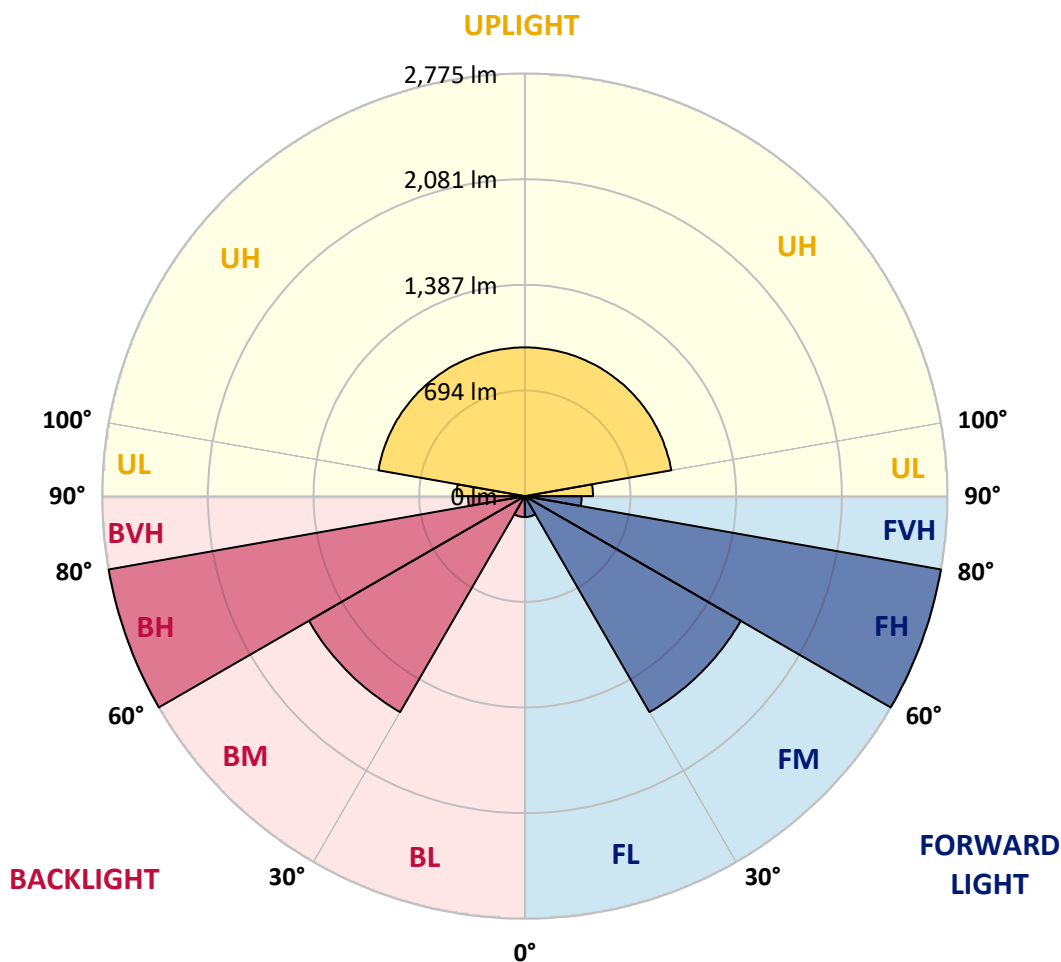
CATALOG NUMBER: FFX-CLB-70-740-U-FR-T5-UPLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.3	1.2			
FM (30°-60°)	1637.3	14.5			
FH (60°-80°)	2774.7	24.6			G2/5000
FVH (80°-90°)	372.8	3.3			G3/500
BL (0°-30°)	137.3	1.2	B1/500		
BM (30°-60°)	1637.3	14.5	B2/2500		
BH (60°-80°)	2774.7	24.6	B4/5000		G2/5000
BVH (80°-90°)	372.8	3.3			G3/500
UL (90°-100°)	447.5	4.0		U3/500	
UH (100°-180°)	976.5	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°	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7
2.5°	295.4	300.1	287.1	276.5	271.8	273.0	283.6	294.2	283.6	287.1	287.1
5°	244.8	245.9	245.9	243.6	247.1	240.1	231.8	231.8	240.1	249.5	249.5
7.5°	236.5	240.1	249.5	249.5	253.0	241.2	229.5	230.6	242.4	256.5	260.1
10°	243.6	243.6	241.2	243.6	251.8	250.7	237.7	231.8	240.1	254.2	258.9
12.5°	254.2	254.2	261.2	271.8	273.0	262.4	249.5	248.3	257.7	267.1	267.1
15°	269.5	270.7	274.2	273.0	276.5	273.0	269.5	271.8	277.7	277.7	277.7
17.5°	289.5	289.5	289.5	289.5	289.5	290.7	291.8	291.8	291.8	294.2	294.2
20°	311.8	311.8	310.7	309.5	309.5	310.7	311.8	311.8	311.8	314.2	314.2
22.5°	340.1	338.9	336.6	336.6	336.6	337.7	335.4	334.2	333.0	334.2	334.2
25°	373.0	373.0	370.7	367.2	367.2	366.0	362.4	361.3	360.1	362.4	361.3
27.5°	406.0	406.0	402.5	397.8	397.8	397.8	395.4	393.0	390.7	391.9	391.9
30°	436.6	434.2	433.1	429.5	428.3	429.5	427.2	427.2	422.5	421.3	423.6
32.5°	464.8	462.5	464.8	461.3	457.8	461.3	460.1	460.1	453.1	450.7	453.1
35°	542.5	536.6	541.3	533.1	528.4	529.6	531.9	536.6	529.6	526.0	527.2
37.5°	626.0	624.9	640.2	653.1	650.8	630.8	617.8	620.2	629.6	642.5	642.5
40°	703.7	701.4	704.9	700.2	700.2	697.8	696.7	702.5	683.7	679.0	675.5
42.5°	784.9	783.7	763.7	735.5	729.6	753.1	763.7	772.0	744.9	735.5	728.4
45°	864.9	848.5	844.9	835.5	826.1	841.4	840.2	846.1	833.2	832.0	826.1
47.5°	1033.2	1002.6	992.0	993.2	973.2	989.7	996.7	1015.6	988.5	989.7	988.5
50°	1336.8	1298.0	1315.6	1303.9	1282.7	1302.7	1301.5	1335.7	1290.9	1307.4	1300.3
52.5°	1811.1	1758.1	1768.7	1761.6	1740.5	1781.7	1791.1	1841.7	1755.8	1776.9	1771.1
55°	2497.1	2439.5	2463.0	2378.3	2355.9	2437.1	2467.7	2526.6	2412.4	2424.2	2418.3
57.5°	3151.4	3147.9	3187.9	3127.9	3107.9	3165.6	3137.3	3189.1	3127.9	3171.4	3157.3
60°	3597.4	3606.8	3646.9	3664.5	3629.2	3659.8	3591.5	3630.4	3611.6	3675.1	3669.2
62.5°	3829.3	3859.9	3836.3	3837.5	3798.7	3822.2	3809.3	3831.6	3826.9	3832.8	3826.9
65°	3834.0	3871.6	3819.8	3796.3	3779.8	3789.2	3811.6	3811.6	3797.5	3755.1	3764.5
67.5°	3583.3	3639.8	3582.1	3549.2	3558.6	3555.1	3570.4	3550.4	3542.1	3479.8	3480.9
70°	2966.7	3057.3	2972.6	2942.0	2966.7	2982.0	2980.8	2964.3	2951.4	2873.7	2896.1
72.5°	2252.4	2332.4	2257.1	2245.3	2268.8	2292.4	2272.4	2292.4	2271.2	2235.9	2246.5
75°	1700.5	1768.7	1768.7	1813.4	1820.5	1807.5	1752.2	1774.6	1788.7	1789.9	1800.5
77.5°	1250.9	1322.7	1360.4	1433.3	1429.8	1407.4	1340.4	1366.2	1393.3	1412.1	1425.1
80°	889.6	943.8	999.1	1050.9	1057.9	1039.1	997.9	1013.2	1029.7	1042.6	1049.7
82.5°	689.6	714.3	703.7	697.8	707.2	734.3	743.7	753.1	729.6	714.3	720.2
85°	601.3	603.7	622.5	635.5	639.0	639.0	629.6	636.6	642.5	657.8	657.8
87.5°	548.4	550.7	597.8	610.8	615.5	609.6	597.8	602.5	607.2	616.6	616.6
90°	487.2	494.2	541.3	551.9	556.6	547.2	543.7	547.2	541.3	544.9	544.9
92.5°	453.1	453.1	475.4	470.7	469.5	470.7	471.9	475.4	469.5	467.2	467.2
95°	414.2	420.1	414.2	418.9	417.8	411.9	409.5	411.9	408.3	408.3	410.7
97.5°	347.2	348.3	337.7	341.3	341.3	336.6	330.7	333.0	329.5	331.9	333.0
100°	324.8	321.3	303.6	301.3	300.1	296.5	293.0	293.0	291.8	290.7	291.8
102.5°	317.7	317.7	294.2	289.5	287.1	281.3	276.5	276.5	276.5	276.5	277.7
105°	290.7	298.9	281.3	277.7	274.2	267.1	260.1	258.9	261.2	258.9	262.4
107.5°	263.6	270.7	261.2	261.2	257.7	250.7	245.9	244.8	245.9	243.6	245.9
110°	248.3	251.8	241.2	241.2	238.9	233.0	231.8	230.6	230.6	227.1	229.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	229.5	229.5	221.2	218.9	218.9	215.4	214.2	213.0	213.0	213.0	214.2
115°	228.3	227.1	214.2	205.9	204.8	203.6	204.8	203.6	203.6	202.4	202.4
117.5°	278.9	267.1	223.6	203.6	203.6	204.8	209.5	205.9	197.7	197.7	196.5
120°	301.3	303.6	257.7	236.5	231.8	225.9	224.8	222.4	214.2	213.0	217.7
122.5°	266.0	277.7	249.5	241.2	236.5	229.5	224.8	223.6	223.6	217.7	225.9
125°	207.1	217.7	203.6	202.4	201.2	202.4	200.1	200.1	202.4	198.9	200.1
127.5°	177.7	182.4	176.5	176.5	175.3	174.2	171.8	173.0	171.8	173.0	174.2
130°	170.6	174.2	168.3	165.9	165.9	167.1	167.1	167.1	163.6	161.2	162.4
132.5°	169.5	168.3	158.9	154.2	154.2	162.4	165.9	165.9	157.7	151.8	151.8
135°	153.0	154.2	153.0	147.1	148.3	150.6	154.2	155.3	147.1	143.6	144.7
137.5°	147.1	150.6	151.8	149.5	149.5	147.1	145.9	147.1	144.7	145.9	145.9
140°	147.1	148.3	151.8	154.2	151.8	149.5	149.5	149.5	150.6	154.2	156.5
142.5°	150.6	151.8	150.6	149.5	153.0	158.9	163.6	163.6	160.0	157.7	158.9
145°	173.0	176.5	176.5	173.0	175.3	173.0	173.0	170.6	170.6	170.6	171.8
147.5°	164.7	163.6	165.9	169.5	165.9	164.7	164.7	165.9	168.3	169.5	170.6
150°	129.4	125.9	128.3	135.3	134.2	134.2	134.2	135.3	136.5	136.5	137.7
152.5°	102.4	102.4	104.7	104.7	105.9	105.9	104.7	104.7	104.7	105.9	105.9
155°	91.8	90.6	93.0	96.5	94.1	94.1	94.1	94.1	94.1	94.1	95.3
157.5°	80.0	78.8	78.8	80.0	80.0	80.0	80.0	81.2	81.2	80.0	81.2
160°	73.0	73.0	71.8	71.8	71.8	73.0	74.1	74.1	73.0	71.8	71.8
162.5°	69.4	69.4	67.1	65.9	65.9	67.1	69.4	69.4	67.1	65.9	65.9
165°	69.4	68.3	64.7	62.4	62.4	64.7	68.3	68.3	64.7	62.4	62.4
167.5°	68.3	68.3	65.9	63.5	63.5	65.9	67.1	68.3	67.1	64.7	63.5
170°	65.9	65.9	67.1	67.1	65.9	65.9	65.9	65.9	67.1	67.1	67.1
172.5°	68.3	67.1	68.3	69.4	69.4	68.3	67.1	67.1	68.3	69.4	69.4
175°	69.4	69.4	68.3	68.3	68.3	67.1	67.1	67.1	68.3	69.4	68.3
177.5°	62.4	62.4	61.2	62.4	62.4	62.4	61.2	62.4	62.4	62.4	63.5
180°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8

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

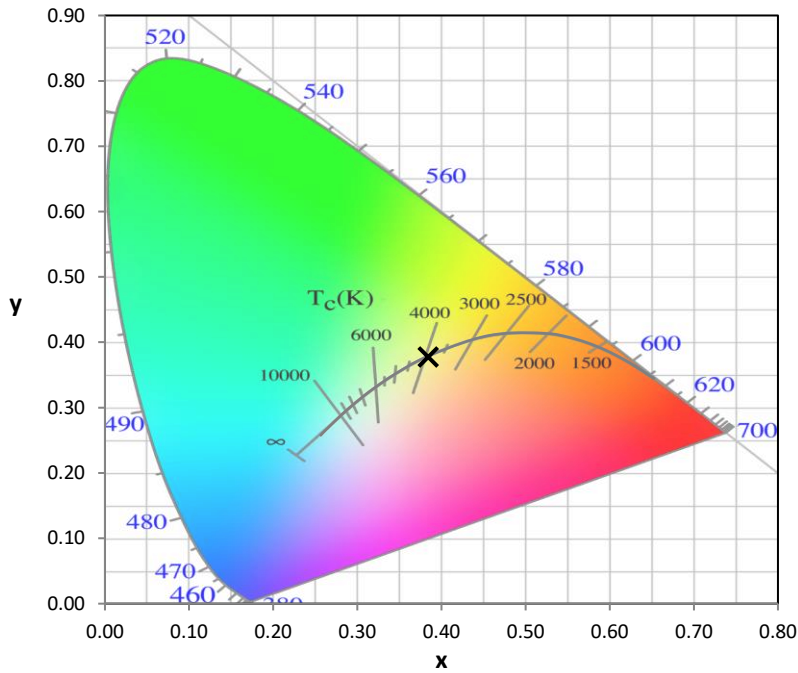
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

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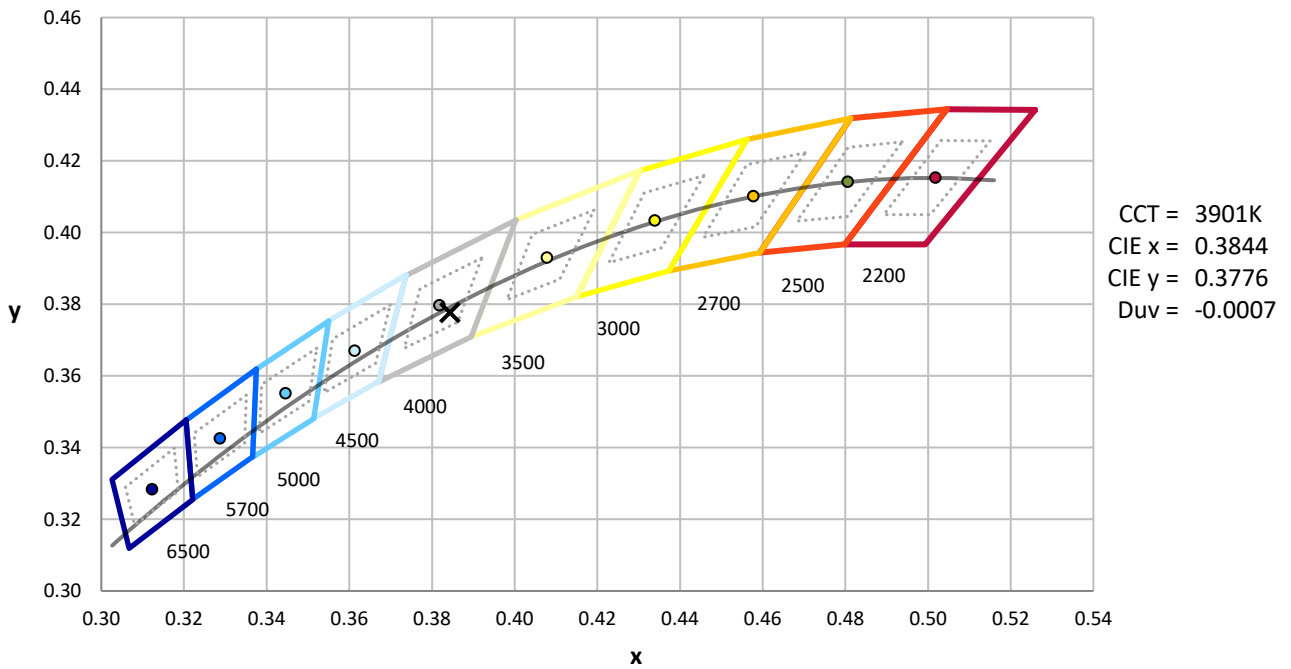
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

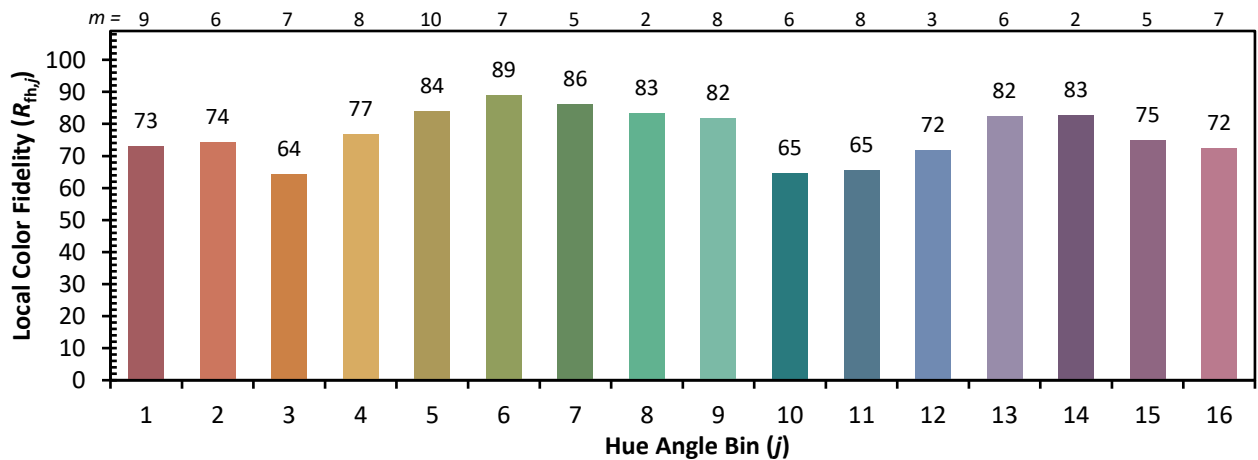
CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82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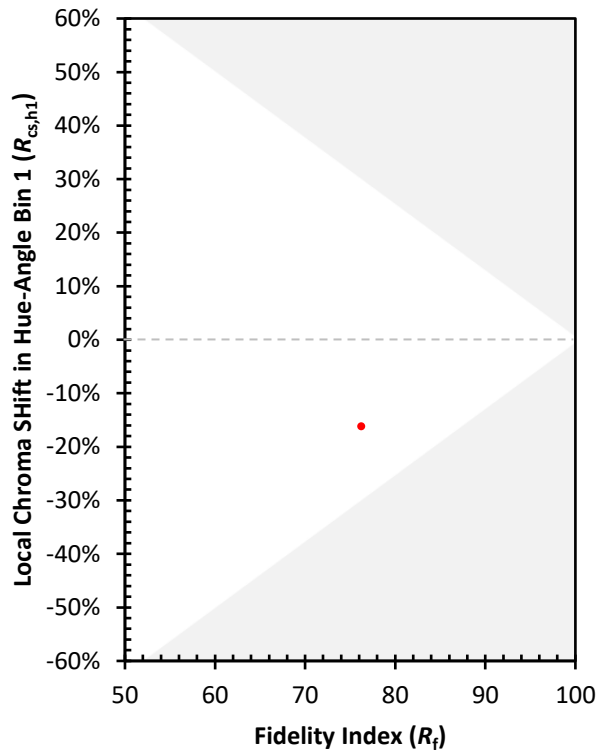
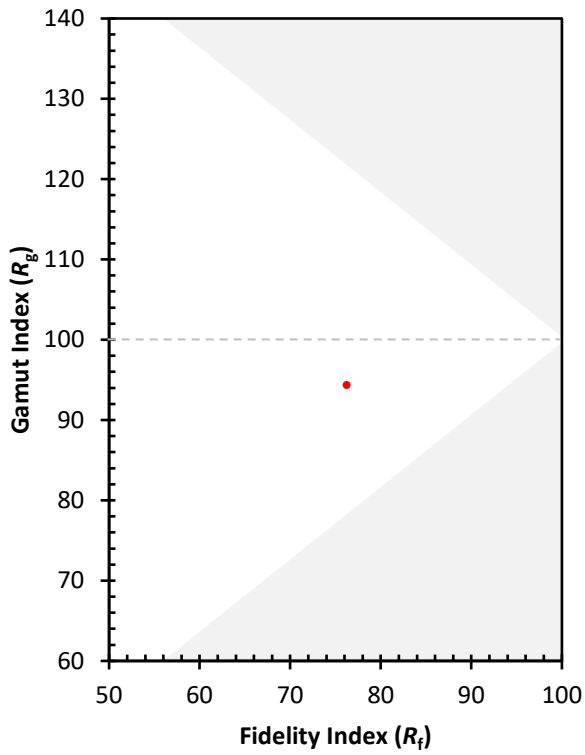
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)