

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: P856076

Luminaire Tested: **FFX-CLB-80-730-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856076
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-80-730-U-FR-T5
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

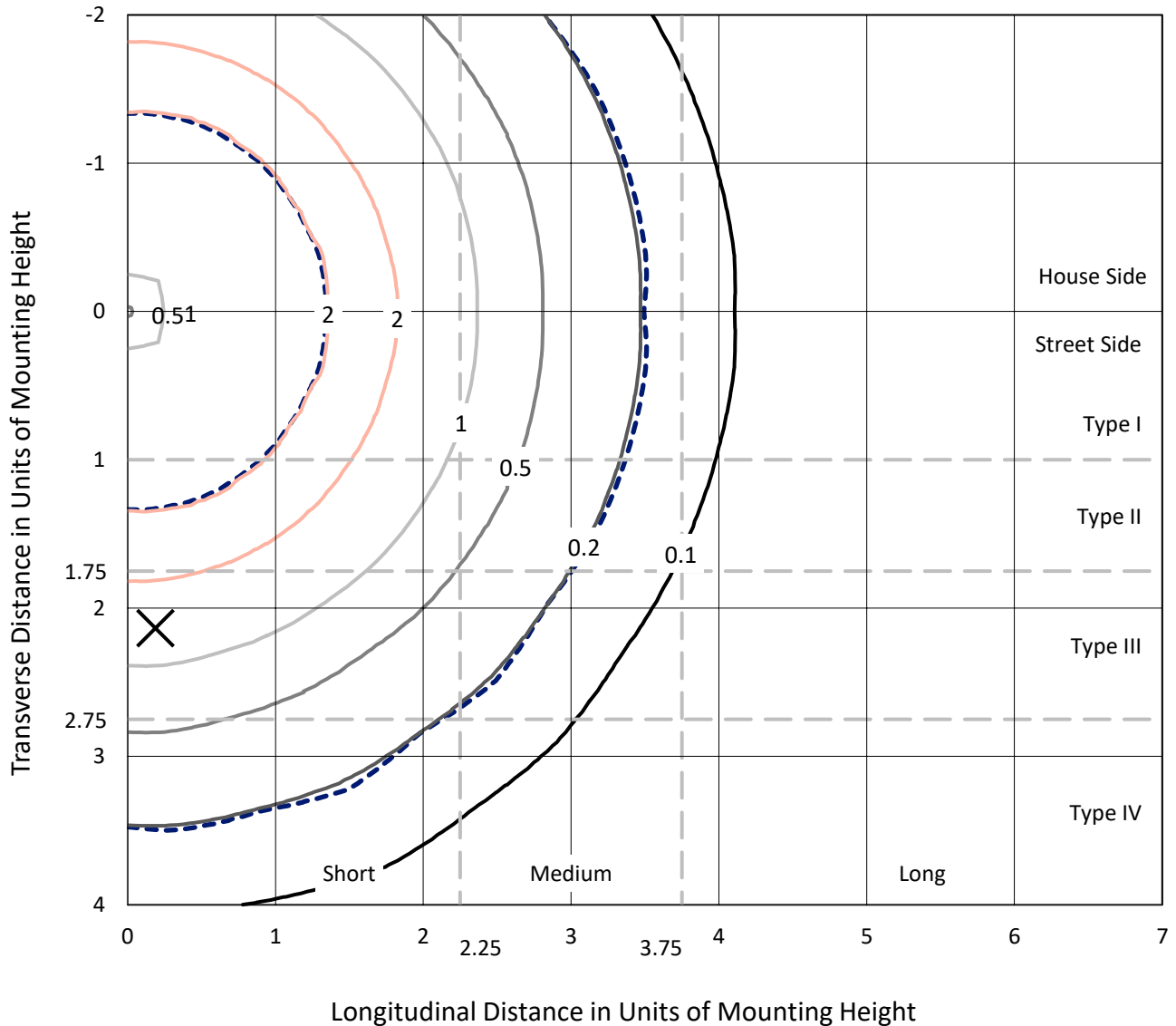
Lumens per Lamp: N/A
Luminaire Lumens: 12834.8 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B4 - U5 - G3

Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 6.1%%
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

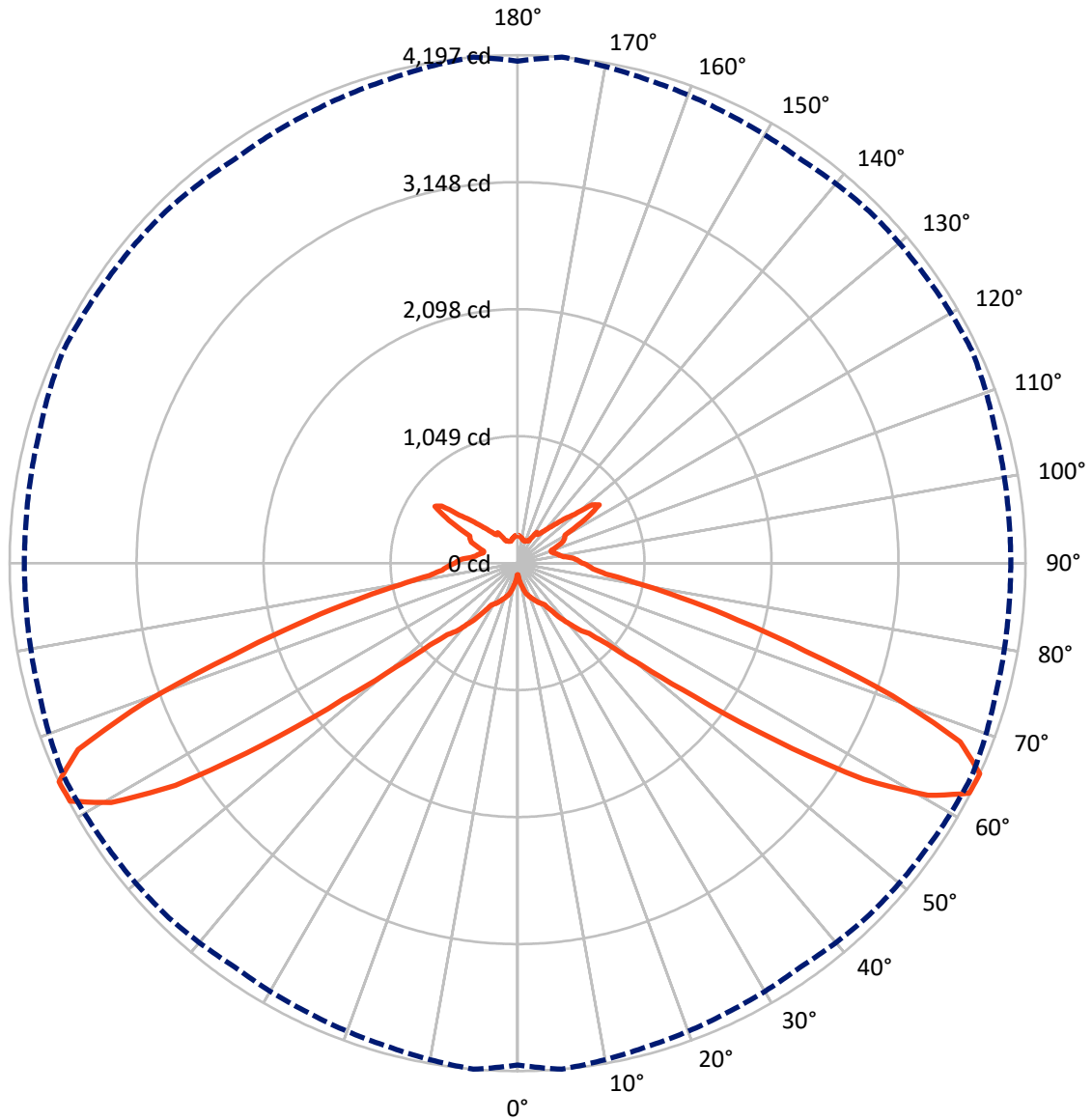
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 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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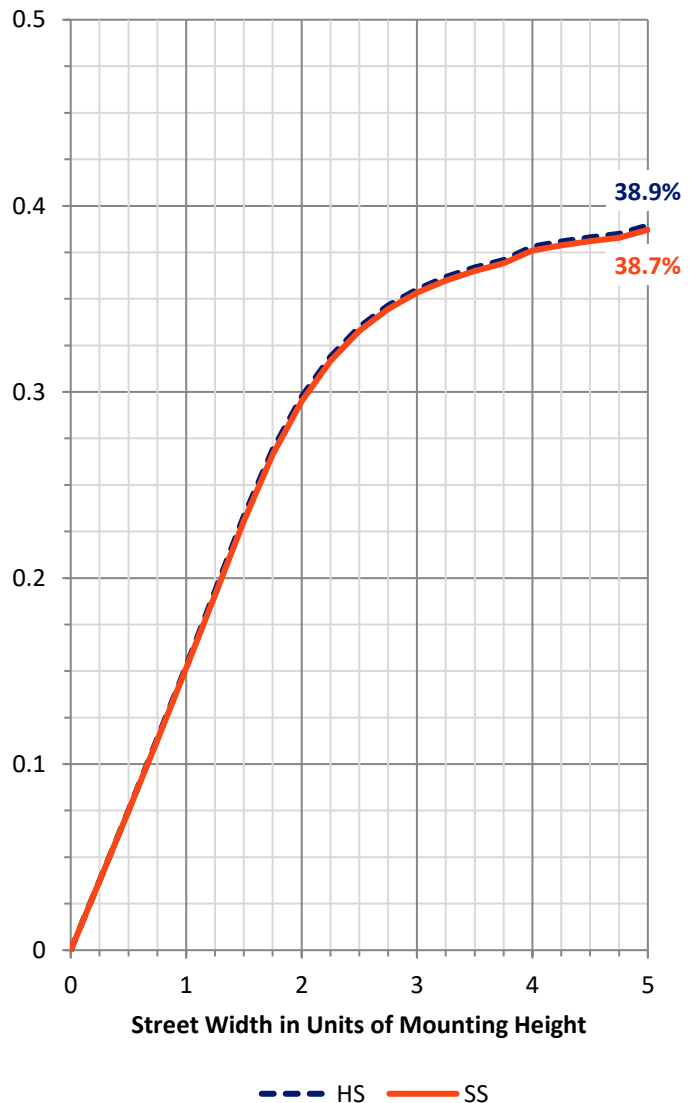
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5171.9	1245.5	6417.4
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	5171.9	1245.5	6417.4
	% Fixture	40.3	9.7	50.0
Total	Lumens	10343.7	2491.1	12834.8
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.1
10°-20°	73.3	0.6
20°-30°	159.3	1.2
30°-40°	316.0	2.5
40°-50°	685.4	5.3
50°-60°	2360.5	18.4
60°-70°	3876.9	30.2
70°-80°	2080.8	16.2
80°-90°	777.0	6.1
90°-100°	490.8	3.8
100°-110°	328.7	2.6
110°-120°	361.3	2.8
120°-130°	597.8	4.7
130°-140°	352.1	2.7
140°-150°	186.2	1.5
150°-160°	97.8	0.8
160°-170°	55.5	0.4
170°-180°	20.9	0.2
0°-90°	10343.7	80.6
0°-180°	12834.8	100.0



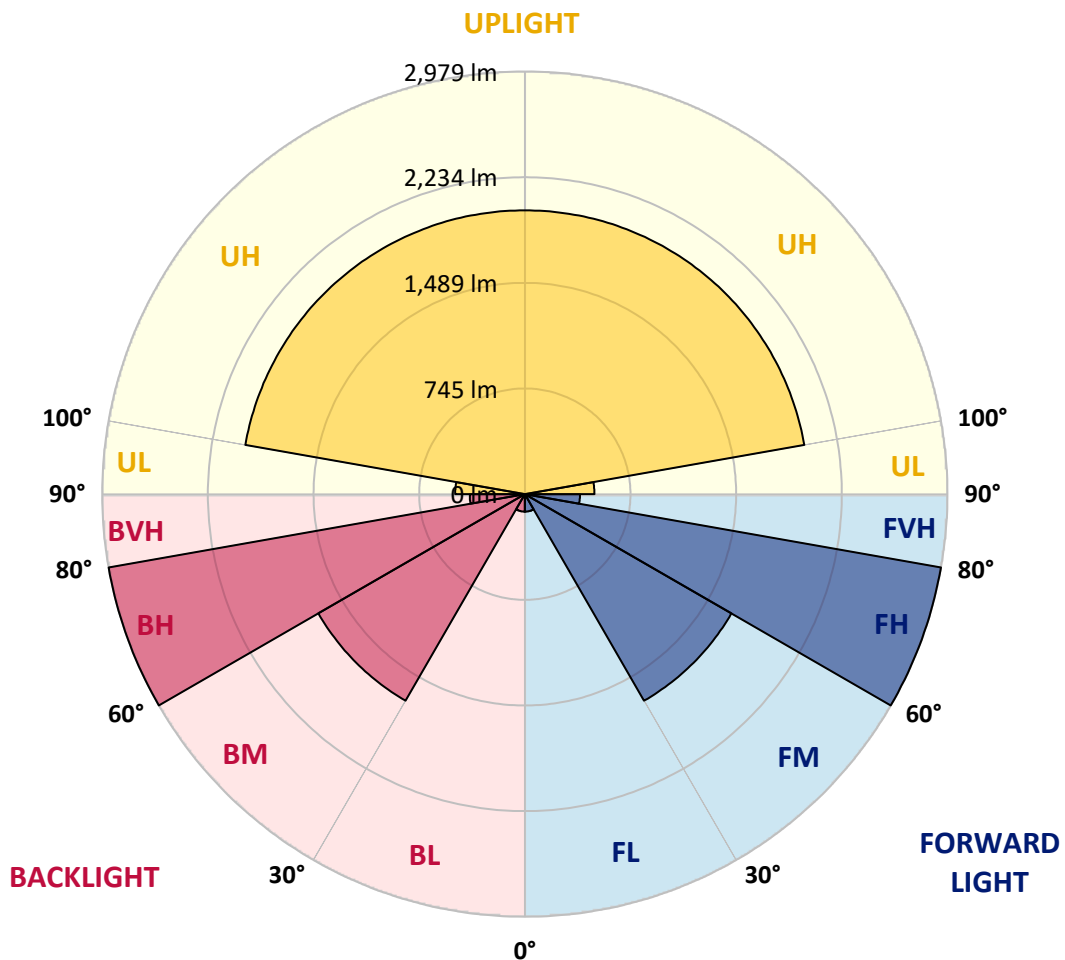
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.6	1.0			
FM (30°-60°)	1681.0	13.1			
FH (60°-80°)	2978.8	23.2			G2/5000
FVH (80°-90°)	388.5	3.0			G3/500
BL (0°-30°)	123.6	1.0	B1/500		
BM (30°-60°)	1681.0	13.1	B2/2500		
BH (60°-80°)	2978.8	23.2	B4/5000		G2/5000
BVH (80°-90°)	388.5	3.0			G3/500
UL (90°-100°)	490.8	3.8		U3/500	
UH (100°-180°)	2000.3	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°	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2.5°	100.7	100.7	99.4	98.1	99.4	100.7	100.7	102.0	99.4	99.4	100.7
5°	134.7	134.7	134.7	133.4	130.8	130.8	129.5	133.4	134.7	136.1	136.1
7.5°	167.4	166.1	168.8	170.1	163.5	160.9	160.9	162.2	164.8	167.4	170.1
10°	189.7	188.4	189.7	194.9	193.6	189.7	189.7	189.7	193.6	200.2	201.5
12.5°	223.7	223.7	226.3	230.2	231.6	227.6	225.0	225.0	230.2	231.6	230.2
15°	260.3	260.3	259.0	257.7	259.0	257.7	257.7	259.0	262.9	261.6	261.6
17.5°	280.0	278.6	277.3	278.6	278.6	277.3	278.6	281.3	280.0	283.9	285.2
20°	300.9	300.9	298.3	298.3	298.3	299.6	300.9	299.6	300.9	302.2	303.5
22.5°	320.5	320.5	319.2	317.9	319.2	320.5	321.8	319.2	319.2	321.8	321.8
25°	342.7	342.7	342.7	338.8	340.1	341.4	340.1	338.8	340.1	341.4	342.7
27.5°	367.6	367.6	365.0	361.1	362.4	362.4	363.7	361.1	363.7	363.7	363.7
30°	388.5	385.9	384.6	382.0	382.0	384.6	387.2	383.3	384.6	384.6	385.9
32.5°	408.2	408.2	406.8	401.6	400.3	408.2	410.8	409.5	404.2	405.5	406.8
35°	481.4	481.4	472.3	463.1	471.0	469.6	480.1	480.1	480.1	482.7	488.0
37.5°	573.0	576.9	591.3	612.2	612.2	582.1	566.4	565.1	586.1	604.4	603.1
40°	654.1	658.0	654.1	656.7	654.1	655.4	656.7	654.1	642.3	638.4	630.6
42.5°	754.8	756.1	731.3	702.5	705.1	719.5	736.5	737.8	713.0	701.2	698.6
45°	825.5	828.1	818.9	815.0	815.0	820.2	818.9	818.9	809.8	808.5	805.8
47.5°	998.2	992.9	974.6	968.1	975.9	972.0	996.8	990.3	979.8	979.8	989.0
50°	1323.9	1318.7	1320.0	1313.4	1334.4	1304.3	1334.4	1326.5	1310.8	1318.7	1325.2
52.5°	1856.3	1823.6	1827.5	1814.5	1851.1	1823.6	1873.3	1866.8	1815.8	1838.0	1839.3
55°	2622.9	2581.1	2578.5	2490.8	2558.8	2568.0	2630.8	2646.5	2547.1	2548.4	2554.9
57.5°	3383.0	3369.9	3411.8	3356.8	3405.2	3383.0	3381.7	3410.5	3352.9	3360.8	3381.7
60°	3886.7	3897.1	3944.2	3958.6	3975.6	3944.2	3880.1	3893.2	3889.3	3956.0	3961.2
62.5°	4156.1	4187.5	4153.5	4143.1	4128.7	4140.4	4132.6	4140.4	4116.9	4148.3	4149.6
65°	4147.0	4196.7	4135.2	4097.3	4073.7	4110.4	4120.8	4144.4	4094.7	4075.0	4075.0
67.5°	3884.0	3944.2	3847.4	3843.5	3785.9	3847.4	3830.4	3848.7	3809.5	3782.0	3755.8
70°	3231.2	3286.2	3169.8	3184.1	3084.7	3185.5	3159.3	3193.3	3161.9	3108.3	3076.9
72.5°	2434.6	2483.0	2396.6	2418.9	2353.4	2429.3	2388.8	2446.3	2426.7	2403.2	2377.0
75°	1841.9	1879.9	1885.1	1959.7	1881.2	1917.8	1844.6	1878.6	1911.3	1938.7	1910.0
77.5°	1355.3	1381.5	1459.9	1542.4	1465.2	1491.3	1418.1	1450.8	1480.9	1528.0	1507.0
80°	957.6	987.7	1059.6	1121.1	1064.9	1088.4	1041.3	1059.6	1083.2	1117.2	1095.0
82.5°	745.7	735.2	732.6	716.9	699.9	758.8	770.5	781.0	758.8	749.6	739.1
85°	625.3	627.9	643.6	663.3	663.3	664.6	652.8	658.0	667.2	684.2	685.5
87.5°	574.3	582.1	626.6	642.3	635.8	638.4	627.9	630.6	637.1	646.2	643.6
90°	506.3	525.9	567.8	583.5	573.0	578.2	573.0	576.9	571.7	574.3	569.1
92.5°	494.5	493.2	506.3	505.0	498.4	514.1	514.1	516.7	510.2	506.3	503.7
95°	457.9	455.3	453.9	457.9	443.5	455.3	452.6	457.9	455.3	455.3	450.0
97.5°	383.3	383.3	380.7	384.6	375.5	380.7	374.1	378.1	376.8	378.1	374.1
100°	353.2	353.2	350.6	350.6	346.7	348.0	345.4	345.4	344.1	342.7	342.7
102.5°	332.3	334.9	331.0	332.3	327.0	327.0	324.4	325.7	324.4	324.4	323.1
105°	312.7	314.0	311.4	311.4	307.4	306.1	303.5	304.8	306.1	303.5	303.5
107.5°	293.0	294.3	293.0	293.0	289.1	286.5	282.6	282.6	283.9	285.2	285.2
110°	300.9	297.0	293.0	290.4	295.7	287.8	285.2	283.9	285.2	289.1	290.4



REPORT NUMBER: P856076
 CATALOG NUMBER: FFX-CLB-80-730-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	359.8	357.1	357.1	345.4	358.4	350.6	345.4	336.2	340.1	342.7	342.7
115°	417.3	418.6	402.9	397.7	389.8	388.5	392.5	382.0	380.7	382.0	379.4
117.5°	468.3	440.9	382.0	366.3	362.4	359.8	357.1	354.5	351.9	367.6	350.6
120°	501.0	453.9	410.8	401.6	423.9	392.5	371.5	367.6	375.5	402.9	399.0
122.5°	710.4	669.8	638.4	583.5	638.4	607.0	614.9	600.5	592.6	576.9	579.5
125°	830.7	829.4	815.0	804.5	817.6	805.8	792.8	787.5	779.7	783.6	777.1
127.5°	771.8	783.6	765.3	786.2	739.1	752.2	749.6	758.8	750.9	753.5	743.1
130°	610.9	620.1	603.1	592.6	571.7	595.2	596.5	610.9	595.2	574.3	571.7
132.5°	533.7	540.3	514.1	501.0	486.6	507.6	516.7	524.6	514.1	491.9	486.6
135°	453.9	456.6	438.2	440.9	431.7	431.7	430.4	434.3	439.6	435.6	433.0
137.5°	389.8	396.4	389.8	397.7	389.8	383.3	372.8	376.8	388.5	397.7	396.4
140°	337.5	344.1	345.4	353.2	337.5	340.1	333.6	336.2	342.7	351.9	355.8
142.5°	299.6	304.8	293.0	286.5	281.3	297.0	308.7	310.0	302.2	291.7	295.7
145°	291.7	286.5	291.7	286.5	291.7	289.1	290.4	289.1	289.1	289.1	289.1
147.5°	295.7	300.9	300.9	300.9	293.0	294.3	295.7	297.0	297.0	302.2	300.9
150°	245.9	252.5	251.2	257.7	245.9	248.6	249.9	252.5	253.8	255.1	256.4
152.5°	208.0	209.3	213.2	215.9	214.5	213.2	211.9	211.9	214.5	217.2	218.5
155°	202.8	202.8	206.7	210.6	206.7	206.7	205.4	205.4	206.7	210.6	210.6
157.5°	194.9	196.2	196.2	198.8	196.2	197.5	196.2	196.2	197.5	198.8	200.2
160°	191.0	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	193.6	193.6
162.5°	191.0	191.0	191.0	189.7	189.7	191.0	191.0	191.0	191.0	189.7	191.0
165°	194.9	193.6	192.3	191.0	192.3	194.9	196.2	196.2	194.9	192.3	193.6
167.5°	202.8	202.8	201.5	200.2	201.5	202.8	204.1	204.1	202.8	201.5	201.5
170°	210.6	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3
172.5°	215.9	215.9	217.2	215.9	217.2	217.2	215.9	215.9	215.9	215.9	217.2
175°	223.7	223.7	223.7	223.7	225.0	225.0	225.0	225.0	225.0	225.0	225.0
177.5°	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9
180°	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2

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

REPORT NUMBER: SP1-2406-133-4

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

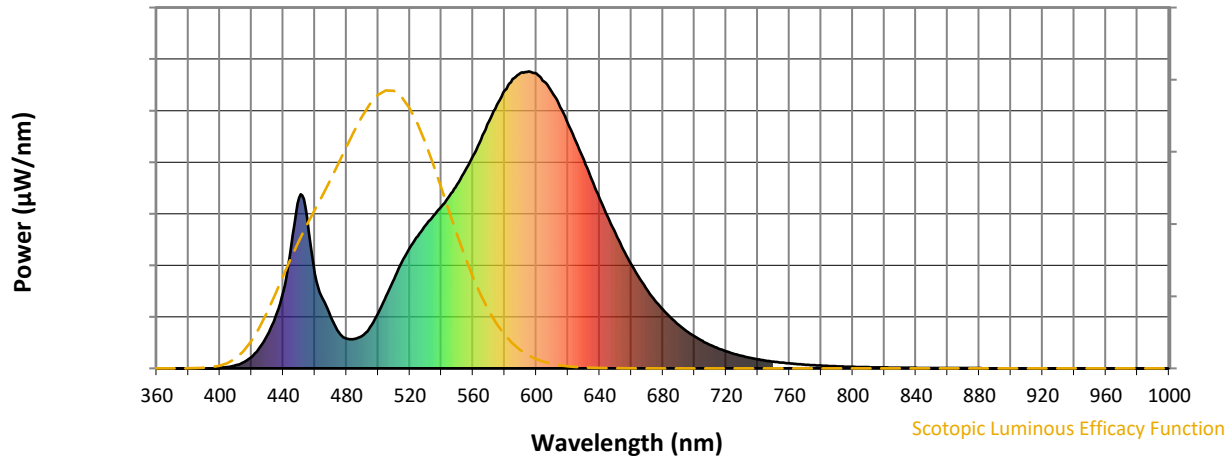


Photopic Lumens: NR

λ (nm)	Power 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			

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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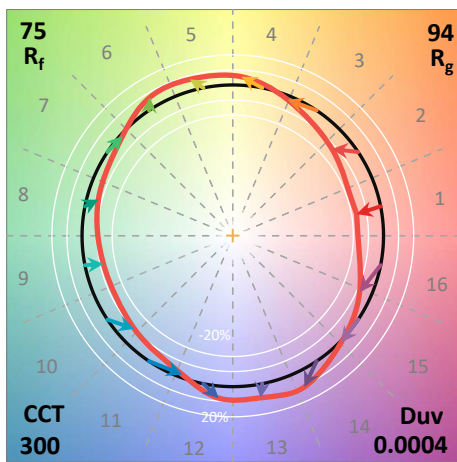
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Summary

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



Color Vector Graphics



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

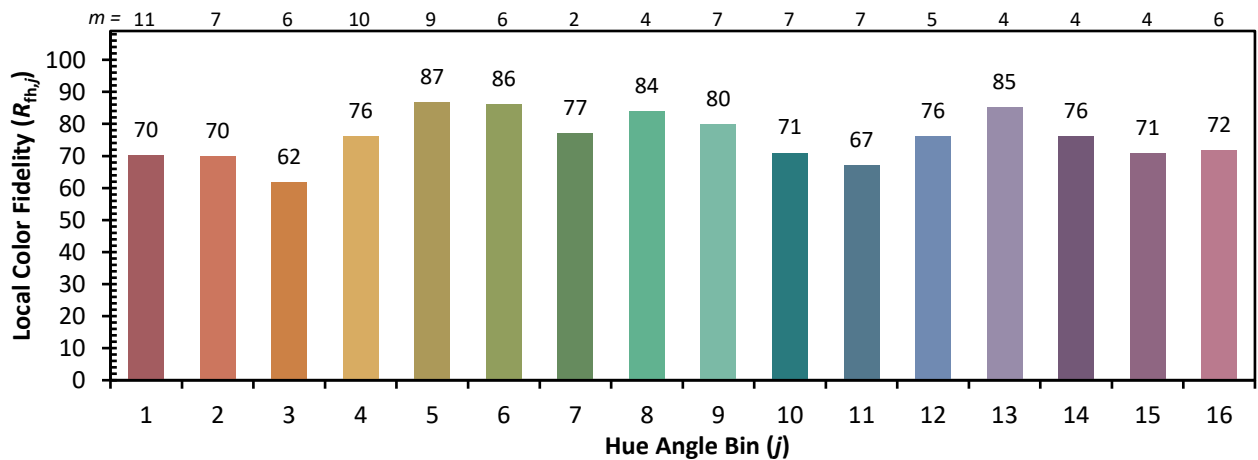
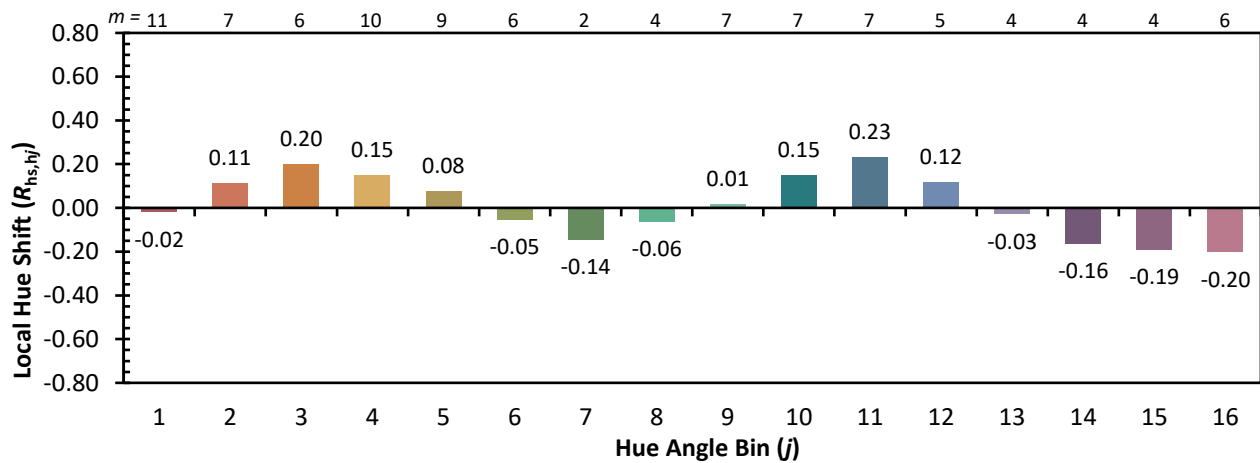
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CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 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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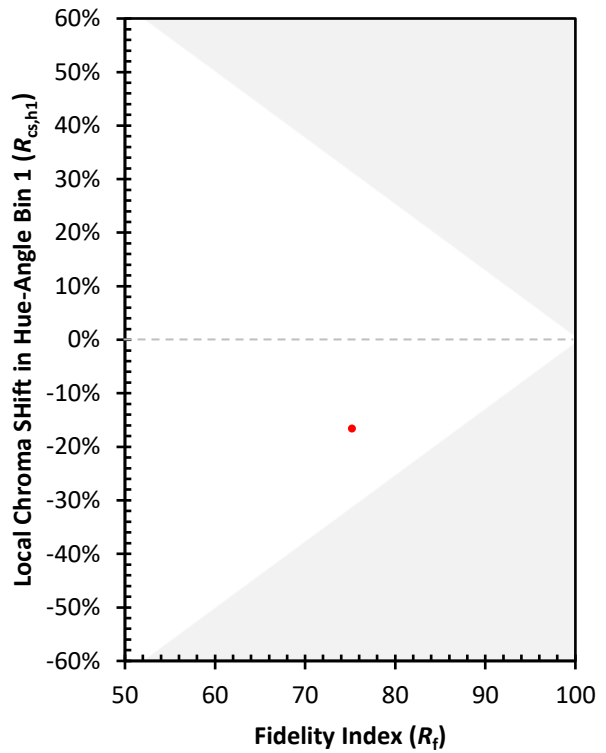
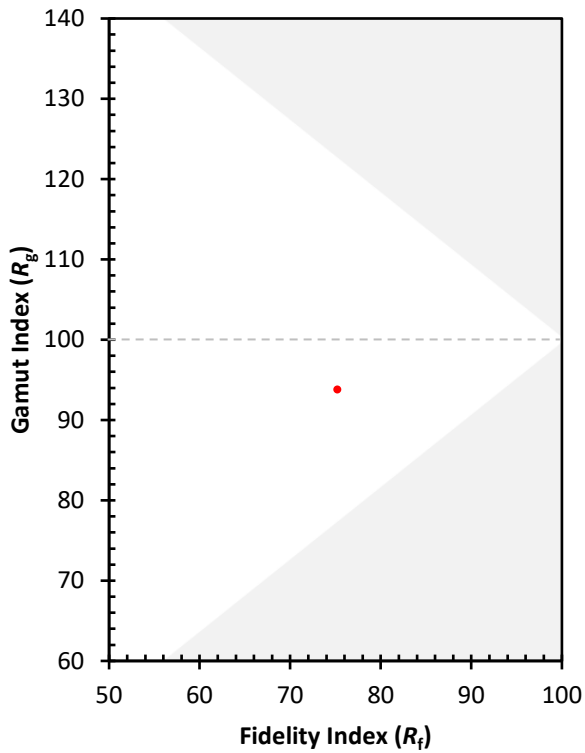
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)