

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: P856350

Luminaire Tested: **FFX-CLB-40-730-U-VM8**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856350  
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-VM8  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

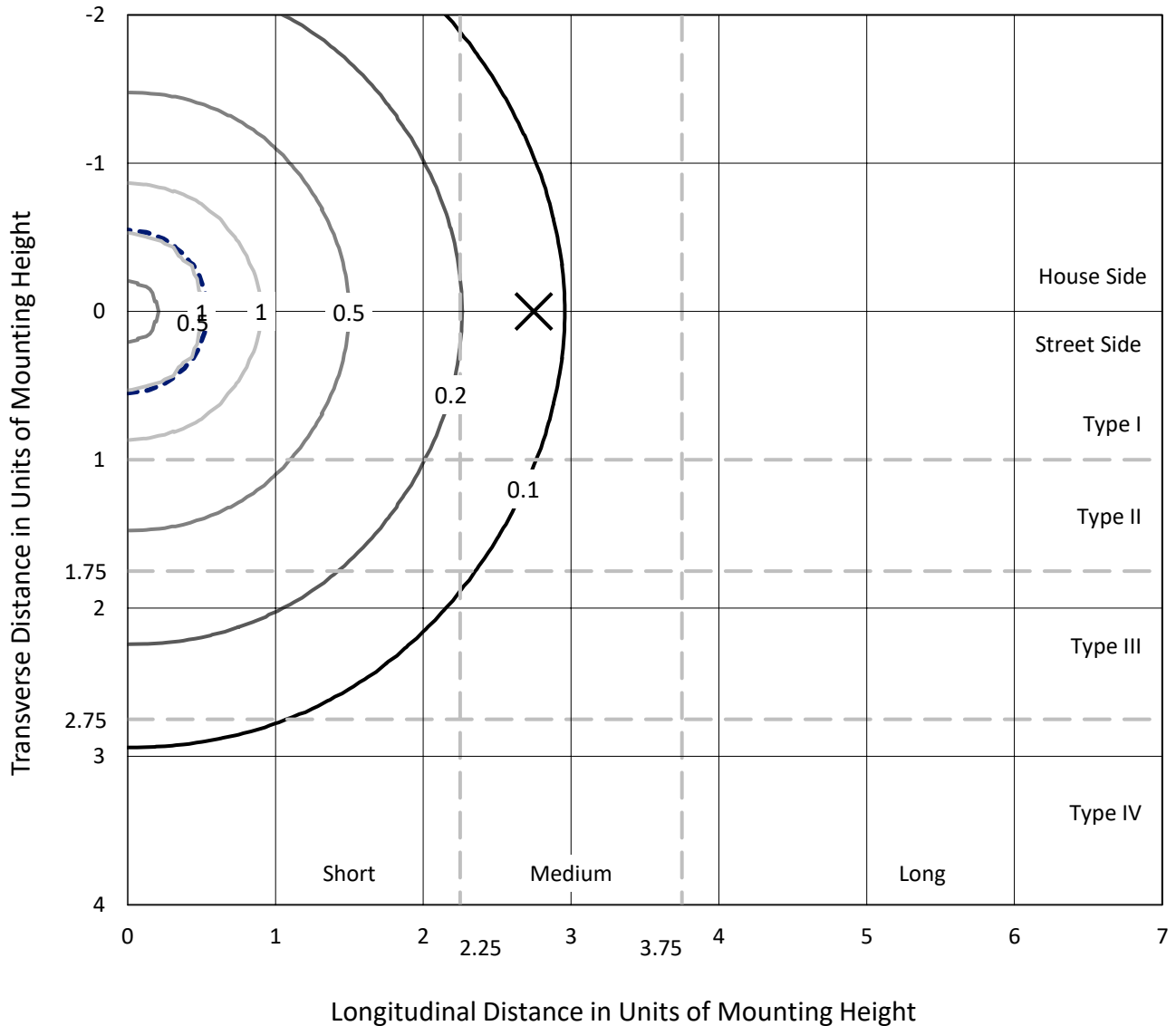
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6316.7 lumens  
Efficiency: N/A  
Efficacy: 160.7 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')  
IES Classification: Type V - Short  
BUG Rating: B2 - U5 - G3  
  
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

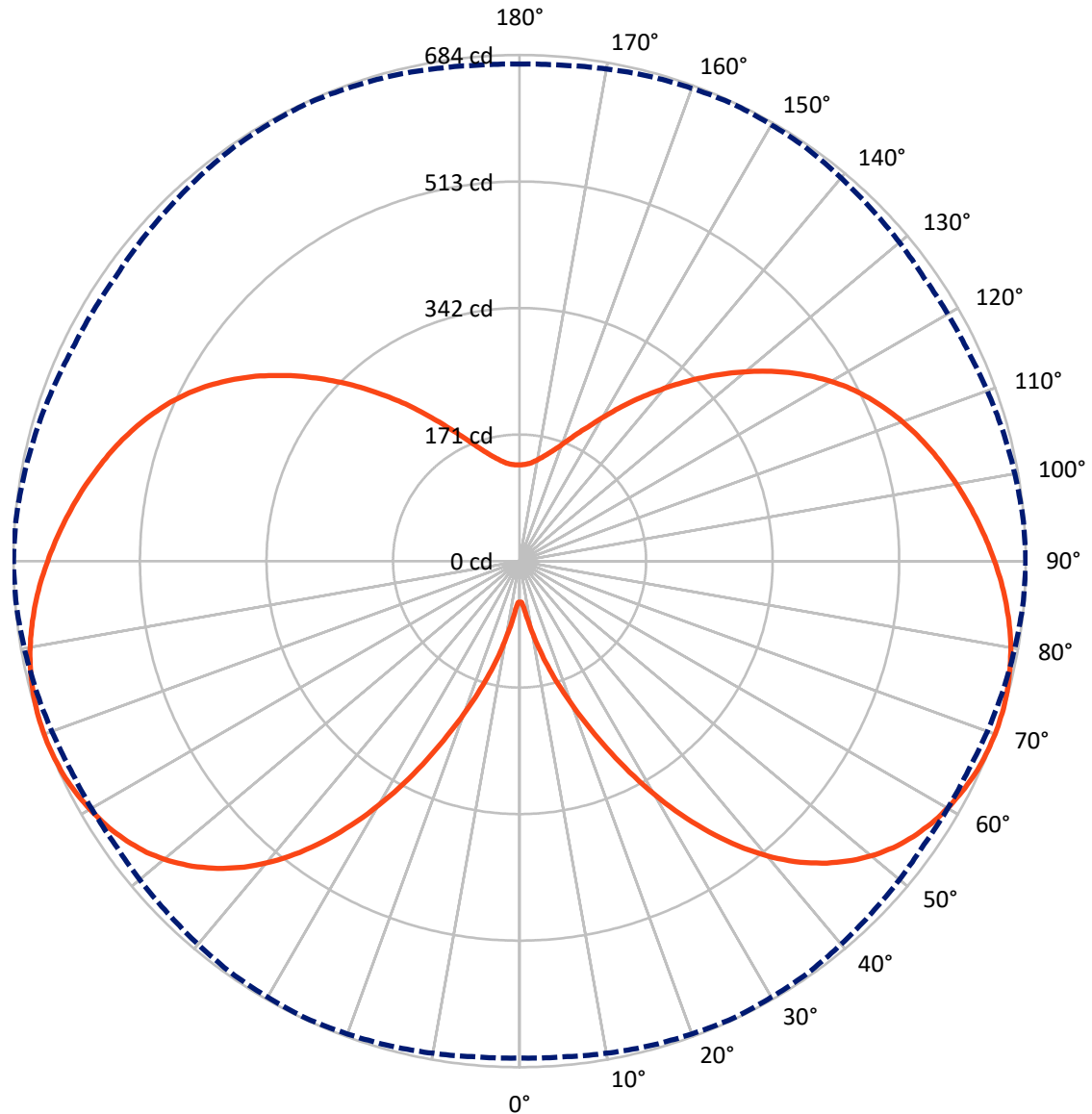
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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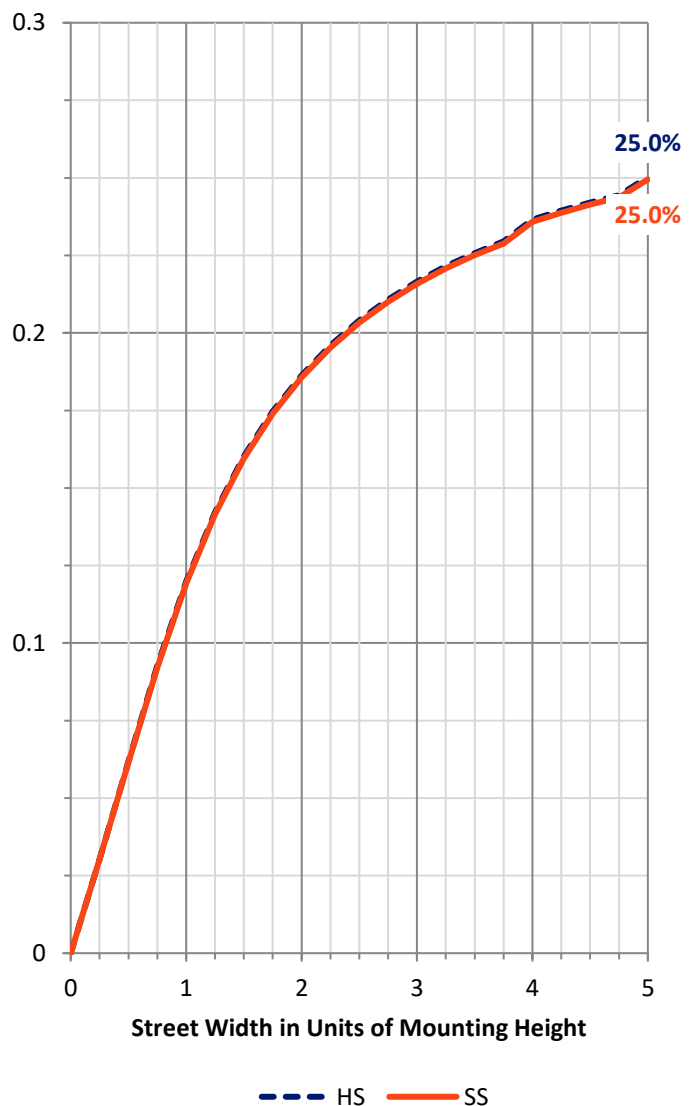
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1788.8	1369.5	3158.3
	% Fixture	28.3	21.7	50.0
<b>Street Side</b>	Lumens	1788.8	1369.5	3158.3
	% Fixture	28.3	21.7	50.0
<b>Total</b>	Lumens	3577.7	2739.0	6316.7
	% Fixture	56.6	43.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	45.2	0.7
20°-30°	134.9	2.1
30°-40°	282.1	4.5
40°-50°	442.8	7.0
50°-60°	574.8	9.1
60°-70°	665.3	10.5
70°-80°	712.2	11.3
80°-90°	712.8	11.3
90°-100°	672.2	10.6
100°-110°	601.5	9.5
110°-120°	505.8	8.0
120°-130°	387.9	6.1
130°-140°	265.4	4.2
140°-150°	161.9	2.6
150°-160°	88.5	1.4
160°-170°	42.9	0.7
170°-180°	12.8	0.2
0°-90°	3577.7	56.6
0°-180°	6316.7	100.0



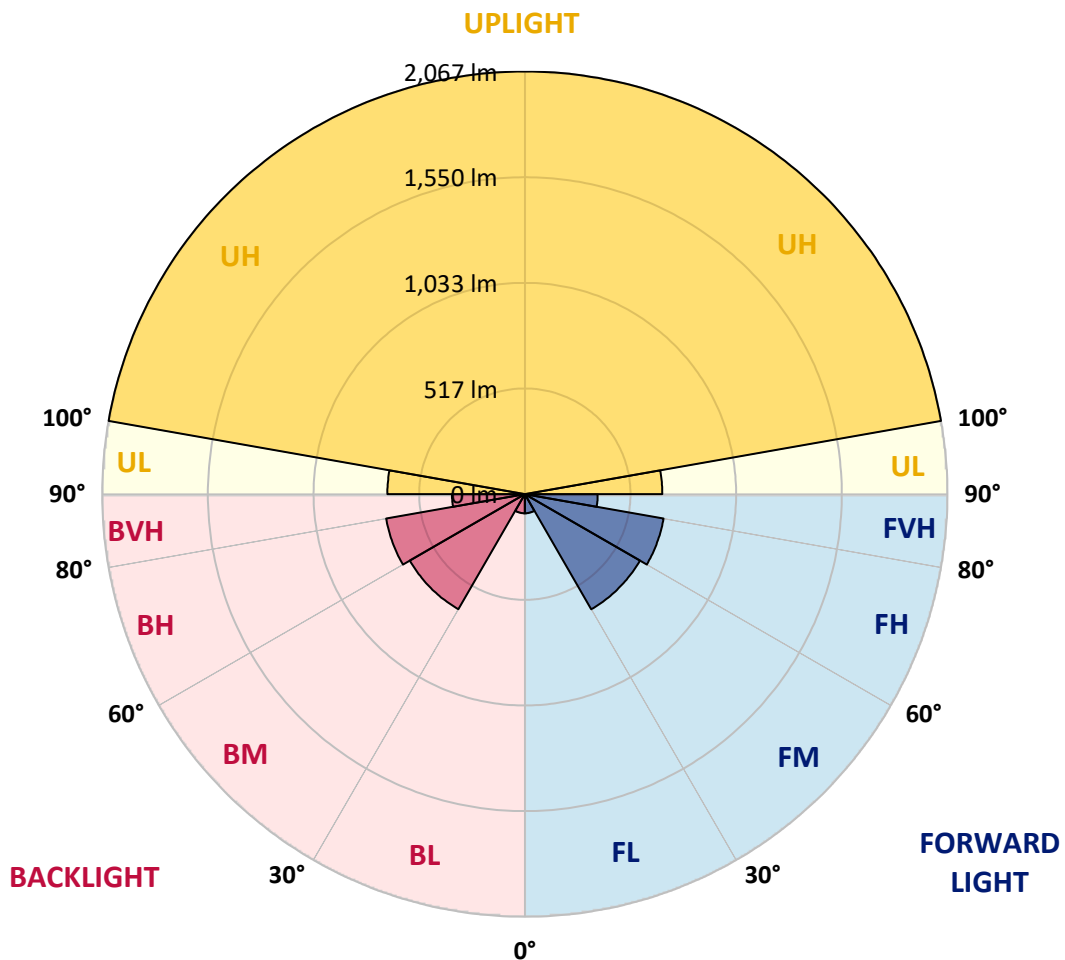
REPORT NUMBER: P856350  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.8	1.5			
FM (30°-60°)	649.8	10.3			
FH (60°-80°)	688.8	10.9			G1/1800
FVH (80°-90°)	356.4	5.6			G3/500
BL (0°-30°)	93.8	1.5	B0/110		
BM (30°-60°)	649.8	10.3	B1/1000		
BH (60°-80°)	688.8	10.9	B2/1000		G1/1800
BVH (80°-90°)	356.4	5.6			G3/500
UL (90°-100°)	672.2	10.6		U4/1000	
UH (100°-180°)	2066.8	32.7		U5	

**BUG Rating: B2-U5-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2.5°	57.9	57.9	57.5	57.5	57.1	56.7	56.7	56.7	56.3	56.3	55.9
5°	66.0	65.6	65.6	65.2	65.6	65.2	65.2	65.2	65.2	64.4	64.4
7.5°	81.8	81.4	81.4	81.0	81.8	81.0	81.0	81.4	81.4	81.0	81.0
10°	102.4	102.0	102.0	101.2	102.0	101.6	101.6	100.8	101.2	100.8	101.2
12.5°	127.1	125.9	125.9	125.5	126.3	125.9	125.5	124.7	125.5	125.1	125.1
15°	152.6	153.0	152.6	152.2	153.0	153.0	152.6	151.8	152.6	151.8	152.2
17.5°	181.0	181.0	181.0	179.7	181.0	181.4	181.0	180.1	180.6	181.0	181.0
20°	211.7	211.7	212.1	211.3	213.3	212.1	211.7	211.3	211.7	212.1	212.5
22.5°	245.7	245.7	246.1	245.7	246.9	246.9	246.5	246.5	246.9	247.8	247.8
25°	283.4	283.8	283.8	282.6	285.4	286.2	285.4	285.4	286.2	287.4	287.4
27.5°	322.2	323.9	323.1	323.1	326.7	327.1	326.7	327.1	328.3	329.5	329.9
30°	362.3	363.5	365.2	363.9	368.0	368.4	368.8	369.2	370.8	372.8	372.8
32.5°	402.4	403.6	404.4	404.4	409.7	409.3	408.9	410.5	412.9	413.7	415.0
35°	442.5	442.5	443.3	443.7	449.0	448.6	449.4	450.6	453.0	454.6	455.4
37.5°	478.5	477.7	479.7	480.5	484.6	485.0	485.4	487.4	490.2	492.3	493.1
40°	511.3	510.5	512.9	514.1	517.8	517.8	518.6	521.0	524.3	526.3	526.7
42.5°	540.4	540.0	542.5	544.1	547.7	547.3	546.9	550.2	553.8	556.2	557.0
45°	565.5	565.1	568.4	570.4	573.2	572.4	572.4	575.3	579.3	582.1	582.6
47.5°	587.0	587.0	590.6	593.1	595.5	594.3	593.5	596.3	600.4	604.4	604.8
50°	606.0	605.6	609.7	612.5	614.5	612.9	611.7	614.5	619.0	623.0	623.8
52.5°	621.0	621.8	625.9	629.5	631.1	628.7	626.7	629.5	634.4	638.8	639.6
55°	634.0	634.4	638.8	643.3	644.1	640.8	638.4	640.8	646.1	651.0	651.8
57.5°	644.1	644.9	650.2	654.2	654.6	651.0	648.1	650.2	655.8	660.7	661.9
60°	653.0	653.8	658.7	663.1	663.5	659.1	655.4	657.0	663.1	668.8	669.6
62.5°	659.9	661.1	666.4	670.4	670.4	665.1	660.7	662.3	668.8	674.9	675.7
65°	665.5	666.8	672.0	676.1	675.7	669.6	664.7	666.4	673.2	679.3	680.5
67.5°	669.6	670.4	676.1	680.1	678.5	672.0	667.2	668.4	675.7	681.7	682.9
70°	672.0	672.8	678.5	682.1	679.7	672.8	667.6	669.2	676.5	682.9	684.2
72.5°	673.2	674.4	679.7	682.9	680.1	672.4	666.8	668.8	676.1	682.9	683.8
75°	672.8	673.6	678.9	681.7	678.1	670.8	664.7	666.8	674.4	680.5	681.7
77.5°	670.8	671.6	676.5	678.9	674.4	667.2	661.5	663.5	670.8	676.9	678.1
80°	667.6	668.4	672.8	674.4	670.0	662.7	657.4	659.5	666.4	672.0	673.2
82.5°	662.3	663.5	667.6	668.4	663.5	657.0	651.8	653.8	660.3	665.5	666.4
85°	655.8	656.6	660.3	660.7	655.8	650.2	645.7	647.7	653.4	657.4	658.7
87.5°	648.5	648.5	652.2	652.2	646.9	641.7	638.4	640.0	645.3	648.5	649.8
90°	639.6	640.0	642.5	642.1	637.2	632.7	629.9	631.9	636.4	639.2	640.0
92.5°	629.9	630.3	632.3	631.5	626.7	623.0	620.6	623.0	627.1	629.1	629.9
95°	619.4	619.8	621.4	619.8	615.3	612.5	610.5	613.3	616.6	618.6	619.4
97.5°	608.5	608.9	610.1	608.5	603.6	601.2	600.4	602.8	606.0	607.6	608.5
100°	597.1	597.1	597.9	595.5	591.5	589.4	589.0	591.9	595.1	596.7	597.5
102.5°	584.6	585.0	585.0	582.6	578.5	577.3	577.3	580.5	583.8	585.0	585.8
105°	571.6	571.6	571.6	569.6	565.1	564.3	564.7	568.0	571.6	573.2	574.0
107.5°	557.5	557.9	557.0	555.0	551.4	550.6	551.4	555.8	559.1	560.7	561.5
110°	542.5	542.9	542.5	540.0	536.8	536.4	537.6	542.1	545.3	546.9	548.1



REPORT NUMBER: P856350  
 CATALOG NUMBER: FFX-CLB-40-730-U-VM8

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	526.7	527.1	526.7	524.7	521.4	521.4	523.0	527.5	531.1	532.4	533.6
115°	510.1	510.5	509.7	508.1	504.8	505.6	507.3	511.7	515.3	516.6	518.2
117.5°	492.3	492.7	492.3	490.2	487.4	488.2	490.7	495.1	498.3	499.6	501.2
120°	472.8	472.8	472.8	470.8	468.0	469.6	472.0	476.9	479.7	480.5	482.2
122.5°	453.0	452.2	452.2	451.0	447.7	449.8	452.2	457.1	459.9	460.3	461.5
125°	431.1	431.5	430.3	429.5	426.7	429.1	431.1	436.0	438.4	438.8	440.1
127.5°	407.7	408.9	407.7	406.4	404.4	406.9	409.3	413.7	415.8	416.2	417.0
130°	385.8	385.8	384.6	383.8	381.8	384.2	386.6	390.7	392.7	392.7	393.5
132.5°	363.9	362.7	362.3	361.5	359.1	361.9	363.5	367.6	369.2	368.8	369.6
135°	340.1	340.1	338.8	338.4	336.4	339.2	340.9	344.5	345.7	345.3	346.1
137.5°	317.8	317.8	317.0	316.2	315.0	317.4	319.0	321.8	323.1	321.8	323.1
140°	295.9	295.9	295.5	294.7	293.5	295.9	297.1	299.6	300.8	299.6	300.4
142.5°	275.7	274.9	274.5	274.1	272.5	274.9	275.7	278.1	278.5	277.7	278.9
145°	254.2	254.6	254.2	253.8	252.6	254.6	255.4	257.5	257.9	257.1	258.3
147.5°	236.4	235.2	235.6	235.2	234.0	236.0	236.4	237.6	238.4	237.6	238.4
150°	218.6	217.8	217.8	217.4	216.6	218.2	218.6	219.8	220.2	219.4	220.2
152.5°	202.8	202.4	202.4	202.0	201.2	202.4	202.8	203.6	204.0	203.2	203.6
155°	188.7	188.2	188.2	187.8	187.0	188.2	188.2	189.1	189.5	189.1	189.5
157.5°	176.1	175.7	175.7	175.7	174.9	175.7	175.7	176.5	176.5	176.1	176.5
160°	166.0	165.2	165.6	165.2	164.4	165.2	165.2	165.6	165.6	165.6	165.6
162.5°	156.7	156.7	156.7	156.3	155.9	156.3	156.3	156.7	156.7	156.7	156.3
165°	149.4	149.4	149.4	149.0	148.6	149.0	149.0	149.0	149.0	149.0	149.0
167.5°	143.3	142.9	143.3	142.9	142.5	142.9	142.9	142.9	142.9	142.9	142.9
170°	138.0	138.0	138.0	138.0	137.6	138.0	138.0	138.0	138.0	138.0	138.0
172.5°	134.8	134.4	134.4	134.4	134.0	134.4	134.0	134.4	134.0	134.4	134.0
175°	132.0	132.0	132.0	132.0	131.6	131.6	131.6	131.6	131.6	131.6	131.6
177.5°	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4
180°	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0



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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-4

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**

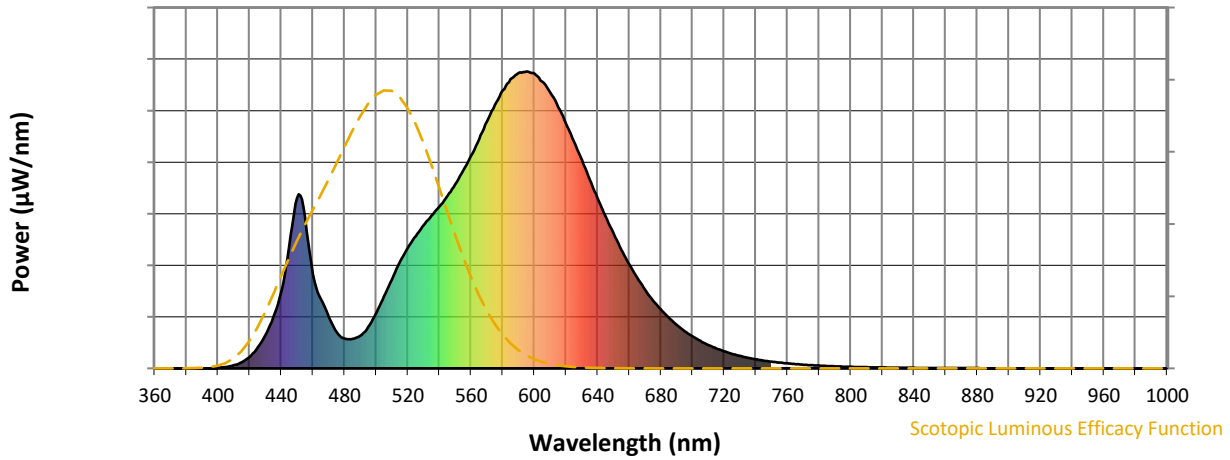


**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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 <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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 <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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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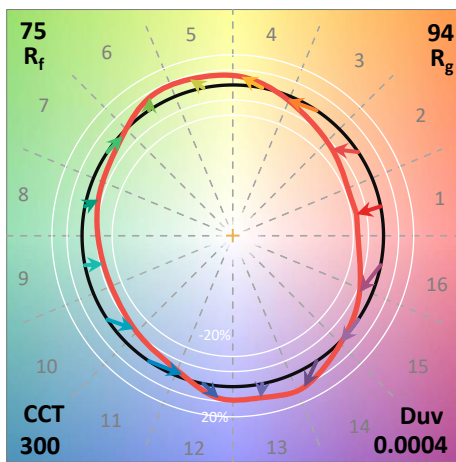
TM-30-18

**Summary**

$R_f = 75.2$   
 $R_g = 93.8$   
 CIE  $R_a = 71.9$   
 $R_9 = -33.7$



**Color Vector Graphics**





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

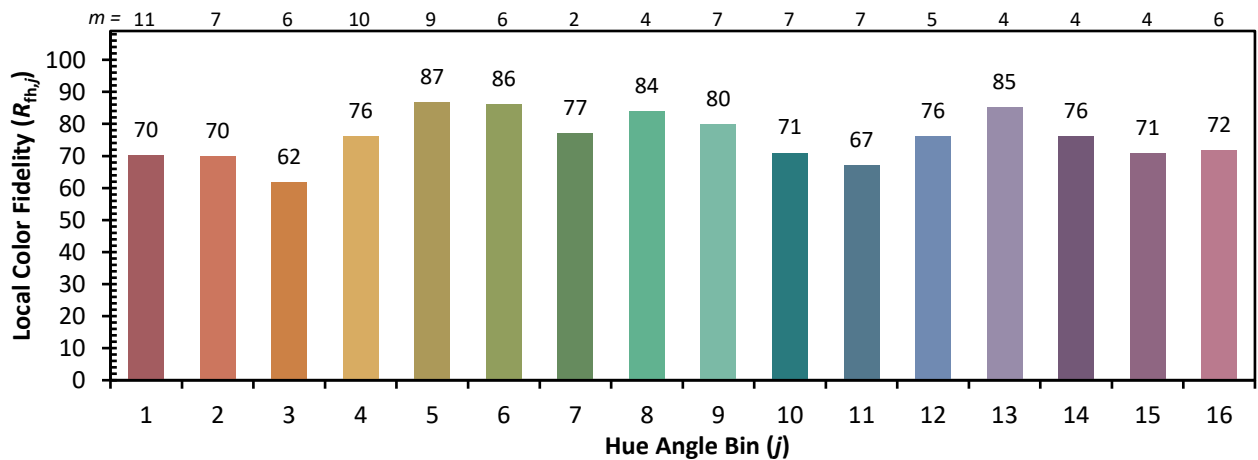
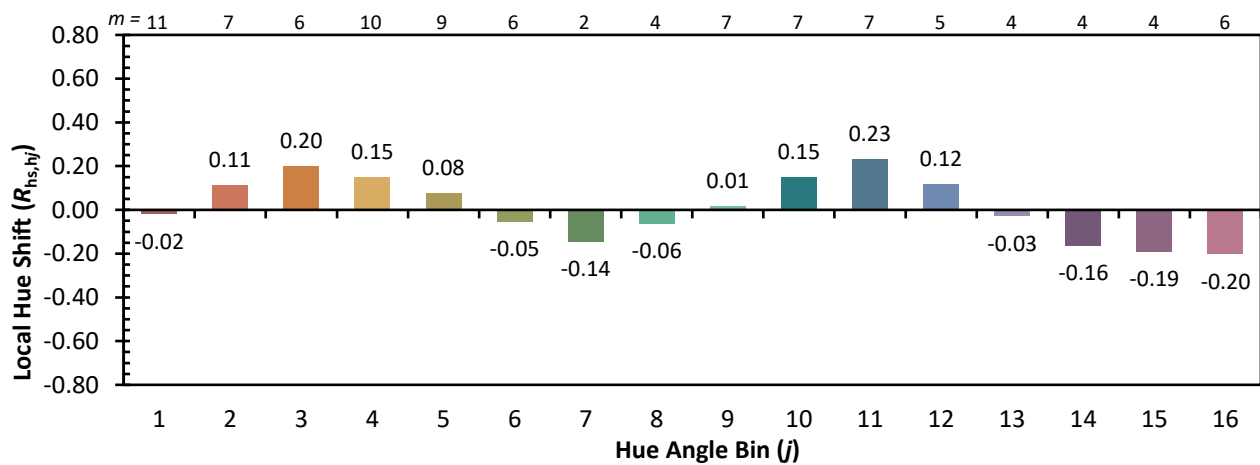
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CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 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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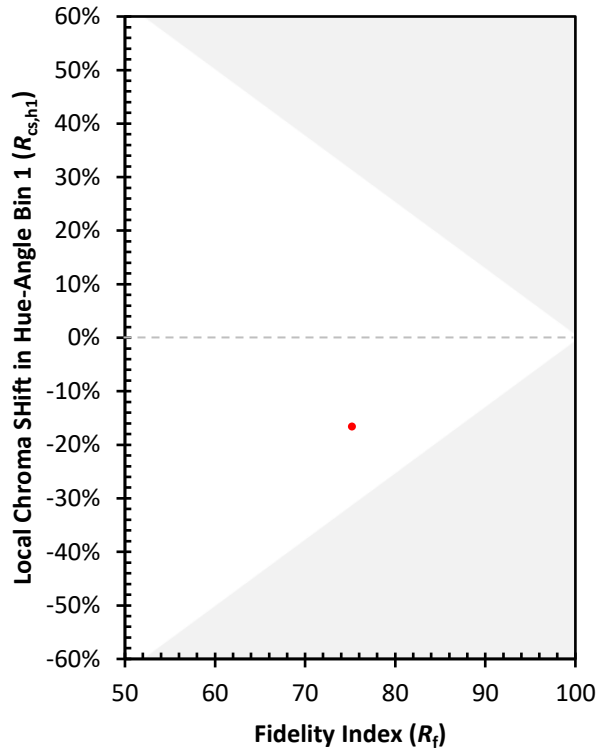
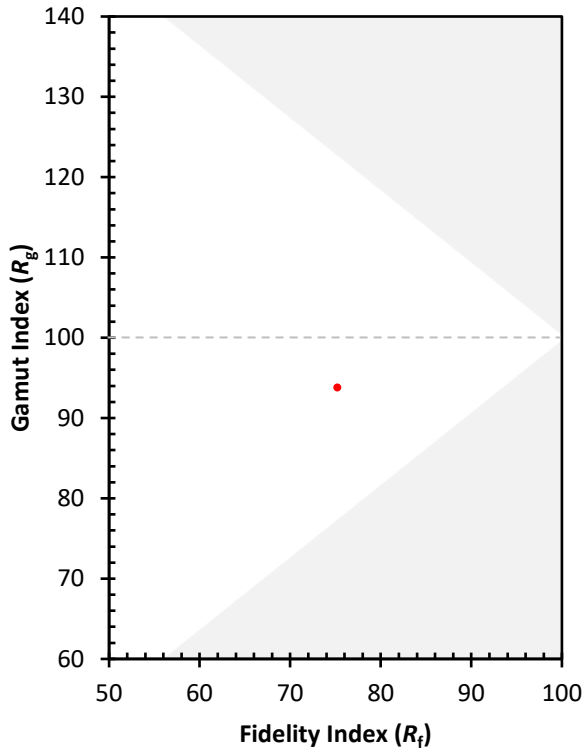
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)