

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: P856404

Luminaire Tested: **FFX-CLB-40-740-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856404
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-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

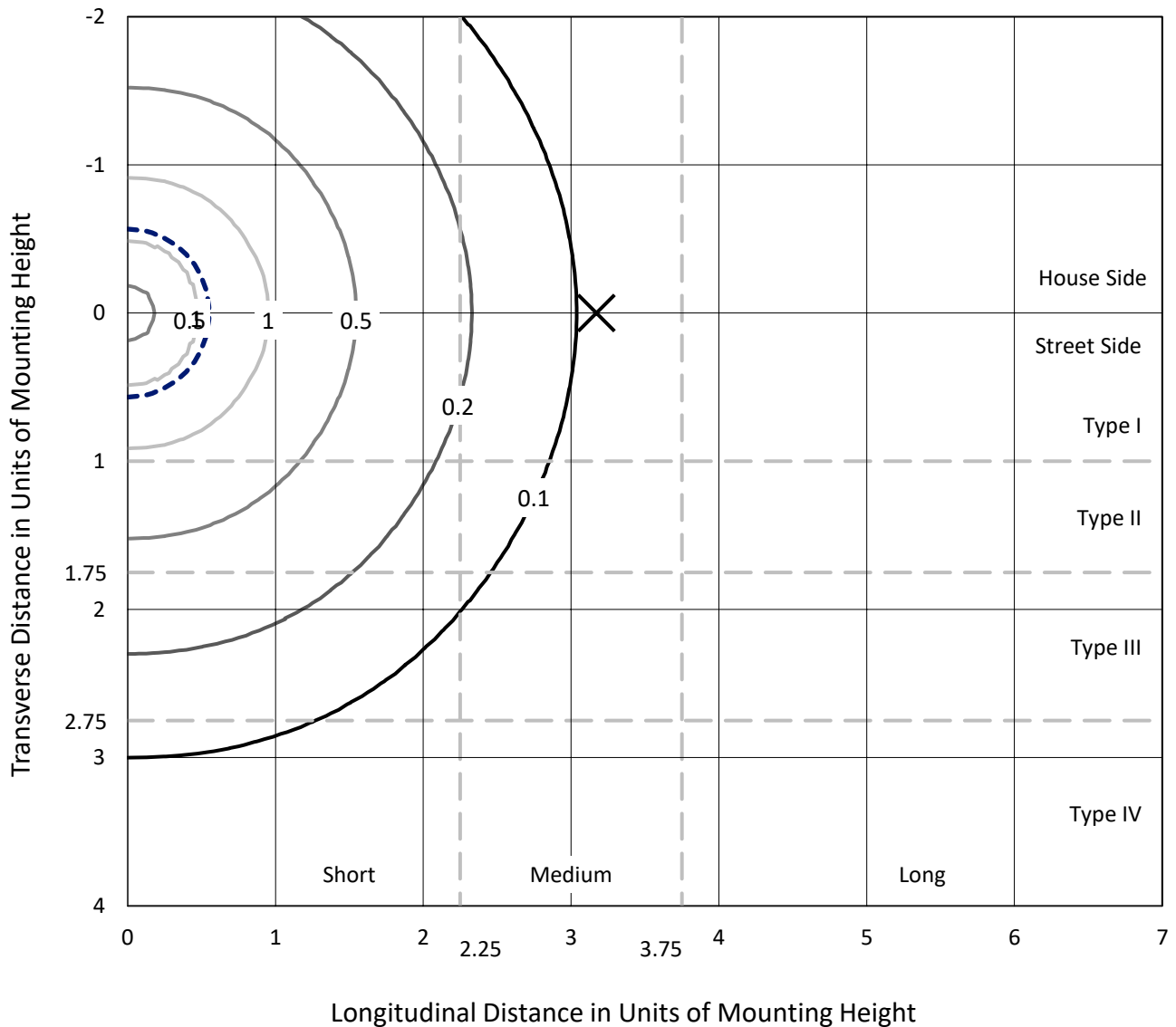
Lumens per Lamp: N/A
Luminaire Lumens: 6498.2 lumens
Efficiency: N/A
Efficacy: 165.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

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

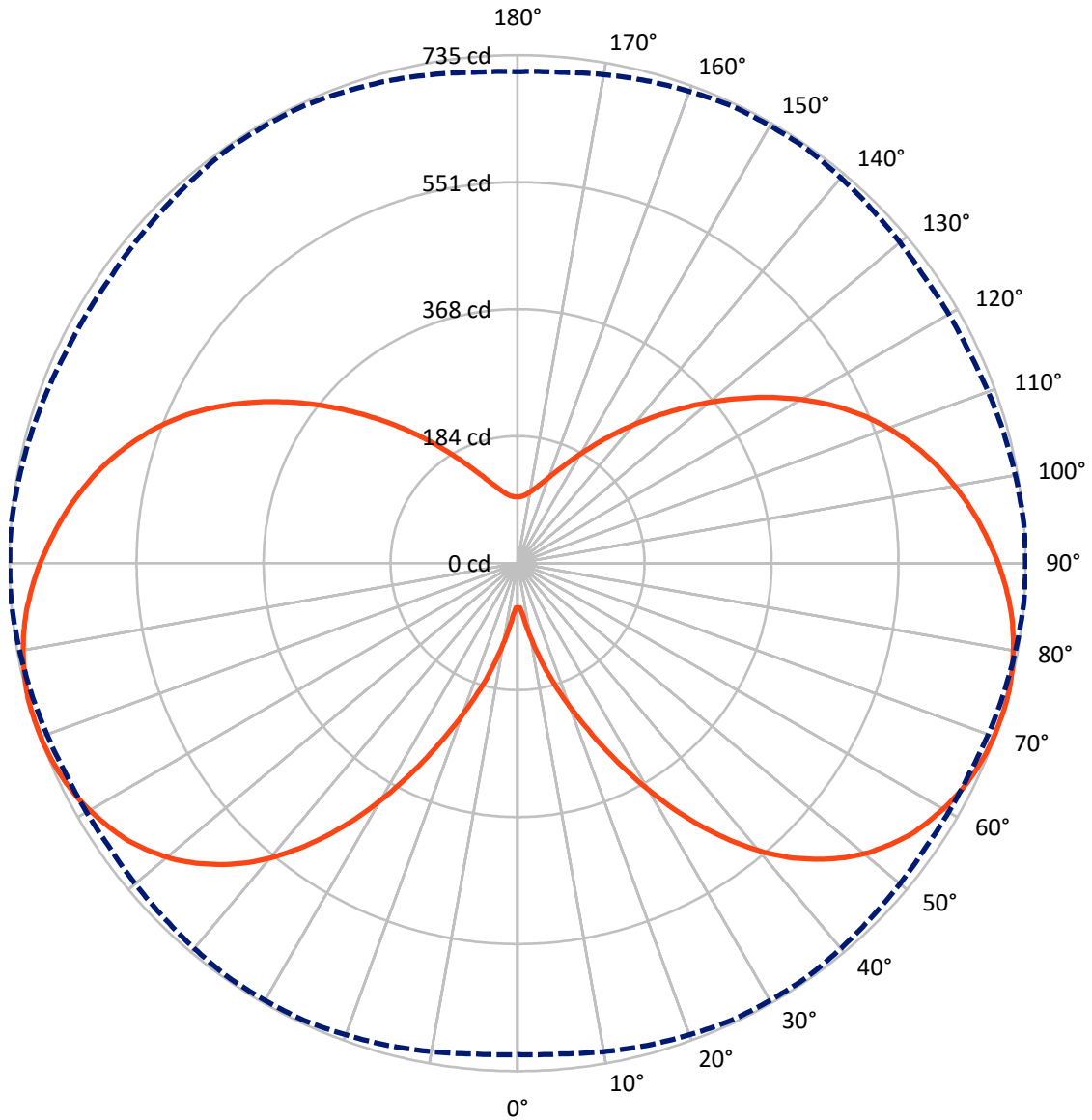
× Max cd
 - - - 1/2 Max cd



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 72.5-Deg Vertical

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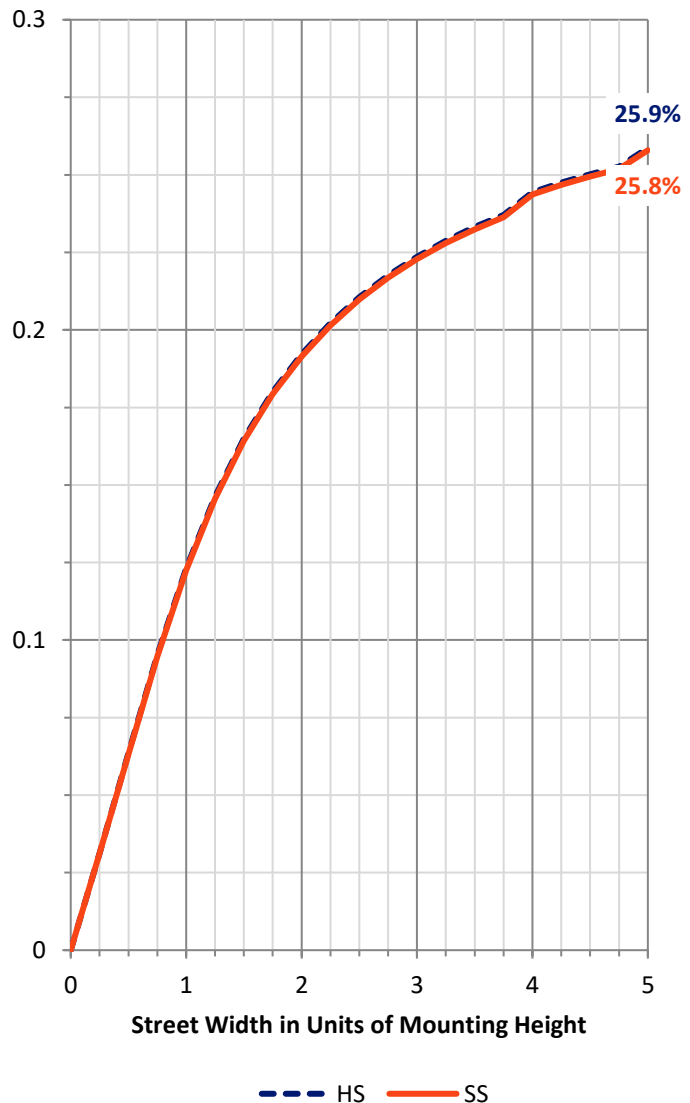
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1903.3	1345.8	3249.1
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	1903.3	1345.8	3249.1
	% Fixture	29.3	20.7	50.0
Total	Lumens	3806.6	2691.7	6498.2
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	48.7	0.8
20°-30°	140.9	2.2
30°-40°	293.0	4.5
40°-50°	465.0	7.2
50°-60°	610.4	9.4
60°-70°	711.7	11.0
70°-80°	764.4	11.8
80°-90°	764.1	11.8
90°-100°	715.2	11.0
100°-110°	627.6	9.7
110°-120°	504.7	7.8
120°-130°	362.5	5.6
130°-140°	233.0	3.6
140°-150°	135.2	2.1
150°-160°	71.0	1.1
160°-170°	33.0	0.5
170°-180°	9.5	0.1
0°-90°	3806.6	58.6
0°-180°	6498.2	100.0



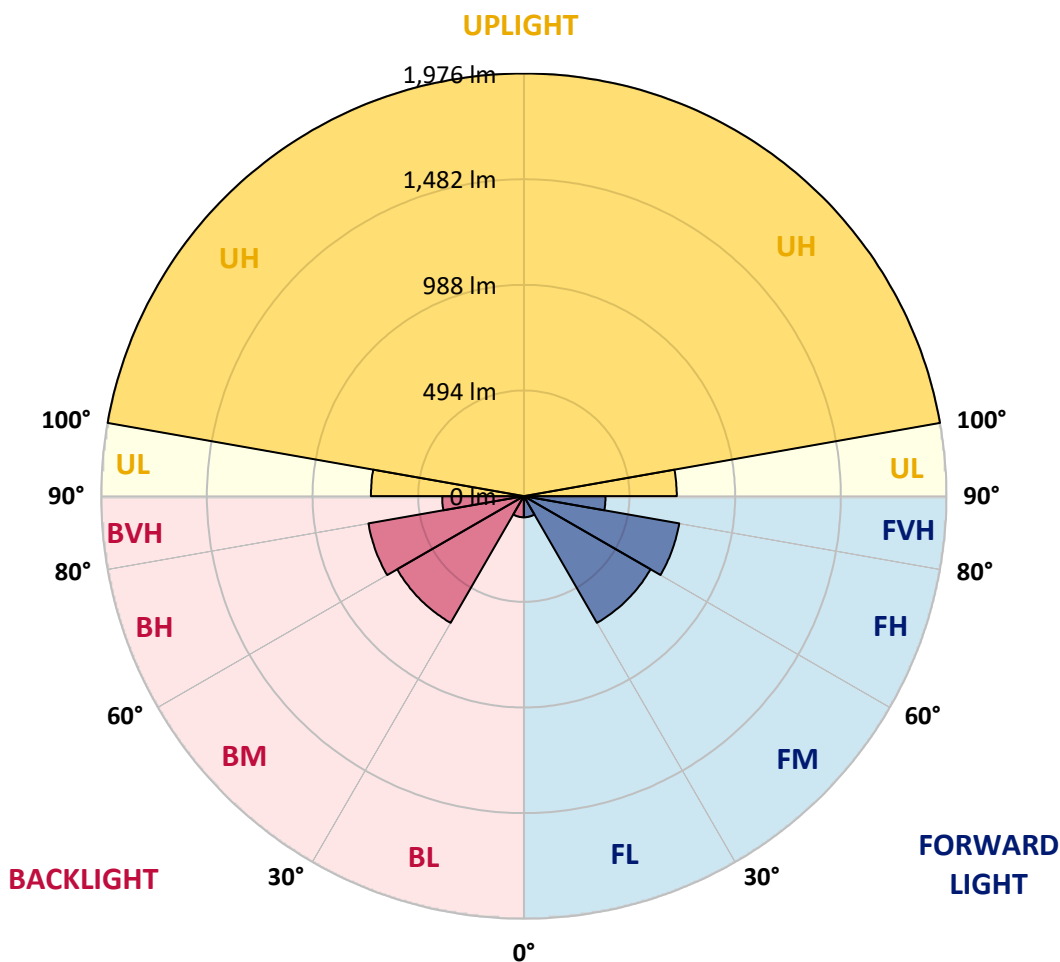
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.0	1.5			
FM (30°-60°)	684.2	10.5			
FH (60°-80°)	738.1	11.4			G1/1800
FVH (80°-90°)	382.0	5.9			G3/500
BL (0°-30°)	99.0	1.5	B0/110		
BM (30°-60°)	684.2	10.5	B1/1000		
BH (60°-80°)	738.1	11.4	B2/1000		G1/1800
BVH (80°-90°)	382.0	5.9			G3/500
UL (90°-100°)	715.2	11.0		U4/1000	
UH (100°-180°)	1976.4	30.4		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°	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
2.5°	66.9	66.9	66.5	66.5	66.1	65.7	65.7	65.3	64.8	64.8	64.8
5°	74.5	74.0	74.0	74.0	74.0	73.6	74.0	73.6	73.6	73.6	74.0
7.5°	90.8	90.3	90.3	90.3	90.8	90.8	91.2	91.6	92.0	92.0	92.0
10°	112.1	111.7	111.7	111.3	112.1	112.1	112.5	111.7	112.9	112.9	113.4
12.5°	137.2	136.8	136.8	136.4	137.2	136.8	137.6	136.8	138.9	138.0	138.0
15°	164.4	164.4	164.0	163.5	164.8	164.8	165.6	165.6	166.9	166.1	166.5
17.5°	193.2	192.8	192.8	192.4	193.7	193.7	193.7	194.5	196.2	194.5	195.8
20°	224.2	223.8	223.8	223.4	224.6	224.6	225.5	225.9	227.5	226.3	227.1
22.5°	257.7	257.2	257.2	257.2	258.9	259.3	259.3	260.6	262.7	260.6	262.3
25°	294.9	294.5	294.5	295.7	297.0	297.4	298.2	299.9	302.0	299.9	302.0
27.5°	334.6	334.2	335.0	336.7	338.0	338.8	340.1	340.5	343.4	341.3	344.2
30°	375.6	375.2	376.0	378.1	379.8	382.3	382.3	383.6	387.7	384.8	387.7
32.5°	416.2	415.8	417.0	419.5	422.0	424.6	425.0	426.6	430.8	428.7	431.7
35°	456.3	455.9	457.6	460.9	463.5	466.0	466.8	468.5	473.1	471.0	473.9
37.5°	494.4	494.4	496.1	499.8	502.8	506.1	505.7	507.8	512.0	510.7	513.6
40°	530.0	530.0	532.1	536.7	540.0	542.1	541.7	543.8	548.4	547.9	550.5
42.5°	562.2	562.2	565.1	569.7	573.0	574.3	574.3	576.4	581.4	581.0	583.5
45°	589.4	590.6	594.0	599.0	601.9	603.2	602.3	604.4	609.9	609.9	611.9
47.5°	614.5	616.1	619.5	624.5	626.6	627.8	627.0	628.7	634.1	634.9	637.0
50°	636.2	637.5	641.6	647.1	649.2	649.2	647.9	649.6	655.4	657.1	658.8
52.5°	655.0	656.3	660.9	666.7	668.0	667.6	665.9	667.6	673.4	675.1	676.4
55°	670.1	671.3	676.8	682.6	683.9	682.6	680.1	682.2	687.7	690.2	692.3
57.5°	682.2	683.5	689.7	695.6	696.9	694.3	691.4	693.5	699.8	702.7	703.5
60°	692.3	693.5	700.2	706.5	707.3	704.4	701.0	703.1	709.4	712.8	713.6
62.5°	700.2	701.5	708.6	715.7	716.1	712.3	708.6	710.7	716.9	720.7	722.0
65°	705.6	706.9	714.8	722.0	722.8	718.2	714.4	716.5	722.4	727.0	727.8
67.5°	709.4	710.7	719.4	727.0	727.4	722.4	718.2	719.9	726.6	731.2	732.0
70°	711.1	712.3	721.5	729.5	729.9	724.5	719.4	721.5	728.2	733.7	734.5
72.5°	711.5	713.2	722.8	730.7	731.2	724.9	719.9	721.5	728.6	734.9	735.3
75°	709.8	711.9	722.0	730.3	730.3	723.2	717.8	719.4	727.4	734.1	735.3
77.5°	707.7	709.0	719.4	727.8	727.4	719.9	713.6	716.1	724.0	731.6	732.4
80°	703.1	704.8	715.3	723.2	722.4	714.0	708.1	710.7	719.0	727.0	727.8
82.5°	697.3	698.9	709.4	716.5	715.7	706.9	701.0	704.0	712.8	721.1	722.0
85°	690.2	691.8	701.9	708.6	707.3	698.5	692.7	695.2	704.8	713.2	714.0
87.5°	681.0	682.6	692.7	698.5	697.3	688.1	683.1	686.4	695.2	704.0	704.4
90°	670.5	672.6	681.4	686.8	685.1	676.8	672.2	675.5	684.3	692.7	693.5
92.5°	660.0	660.9	669.2	673.8	672.6	665.1	660.9	664.6	672.6	681.0	681.0
95°	647.5	648.8	656.3	660.0	658.8	652.5	648.8	652.9	660.0	668.0	668.4
97.5°	634.1	635.4	641.6	645.4	644.2	638.7	636.2	640.4	646.7	654.2	654.6
100°	619.9	620.7	626.2	629.5	628.3	624.1	622.4	626.6	632.4	639.6	639.6
102.5°	604.0	604.8	609.0	611.1	610.7	607.3	607.3	611.9	616.5	623.2	624.1
105°	587.3	588.1	591.0	592.3	591.9	590.6	591.4	596.0	599.8	605.7	606.5
107.5°	568.4	569.3	571.0	571.4	571.4	571.4	574.3	578.5	582.7	586.8	587.3
110°	548.4	548.8	550.0	549.6	549.6	550.5	554.6	559.2	562.6	566.8	567.2



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 CATALOG NUMBER: FFX-CLB-40-740-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	526.6	527.0	527.9	526.2	526.6	528.3	533.7	538.7	540.8	545.0	545.0
115°	503.6	503.2	504.0	501.9	501.5	504.4	510.3	516.2	517.8	520.8	521.2
117.5°	478.5	478.9	478.5	476.0	475.6	479.8	485.2	490.6	492.7	496.1	495.2
120°	452.6	452.2	452.6	449.7	449.2	453.8	459.3	464.7	466.0	468.9	468.1
122.5°	426.2	425.8	425.4	422.5	422.5	426.2	432.9	438.4	437.5	440.9	440.4
125°	399.0	399.0	398.2	395.3	395.3	399.9	405.3	410.3	409.5	413.3	412.0
127.5°	372.3	372.3	371.4	368.9	368.9	373.1	378.1	383.1	381.9	385.2	384.0
130°	345.9	345.9	345.1	342.6	342.6	345.9	351.4	355.5	353.9	356.8	356.4
132.5°	320.8	320.4	320.0	317.5	317.9	321.2	325.4	329.2	327.5	330.9	329.6
135°	296.6	296.1	295.7	293.2	293.6	297.0	300.7	303.7	302.4	304.5	304.1
137.5°	273.6	273.1	272.7	270.6	271.0	273.6	277.3	279.8	278.2	281.1	279.8
140°	251.8	251.4	250.6	249.3	249.7	252.2	254.3	257.2	255.6	258.1	256.8
142.5°	230.9	230.9	230.1	228.8	229.2	231.7	233.4	235.5	233.8	235.9	235.1
145°	211.6	211.6	210.8	210.0	210.0	212.1	213.3	215.4	213.7	215.8	215.0
147.5°	194.1	194.1	193.2	192.4	192.4	194.5	195.3	197.0	195.3	197.0	196.2
150°	177.8	177.8	177.4	176.5	176.9	177.8	178.6	179.9	178.6	179.9	179.4
152.5°	163.5	163.5	163.1	162.7	162.3	163.5	164.0	165.2	164.0	165.2	164.4
155°	151.0	150.6	150.6	149.7	149.7	150.6	151.0	151.8	150.6	151.8	151.4
157.5°	139.7	139.7	139.3	138.9	138.9	139.3	139.7	140.1	139.3	140.5	139.7
160°	130.1	130.1	129.7	129.2	129.2	129.7	129.7	130.1	129.2	130.1	129.7
162.5°	121.7	121.7	121.3	121.3	120.9	121.3	121.7	121.7	121.3	121.7	121.3
165°	115.0	115.0	114.6	114.2	114.2	114.6	114.6	115.0	114.2	114.6	114.6
167.5°	108.8	108.8	108.8	108.3	107.9	108.3	108.3	108.3	107.9	108.3	108.3
170°	104.2	104.2	104.2	103.7	103.3	103.7	103.7	103.7	103.3	103.7	103.7
172.5°	100.4	100.4	100.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
175°	97.9	97.9	97.9	97.9	97.5	97.9	97.9	97.9	97.9	97.9	97.5
177.5°	96.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
180°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8

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

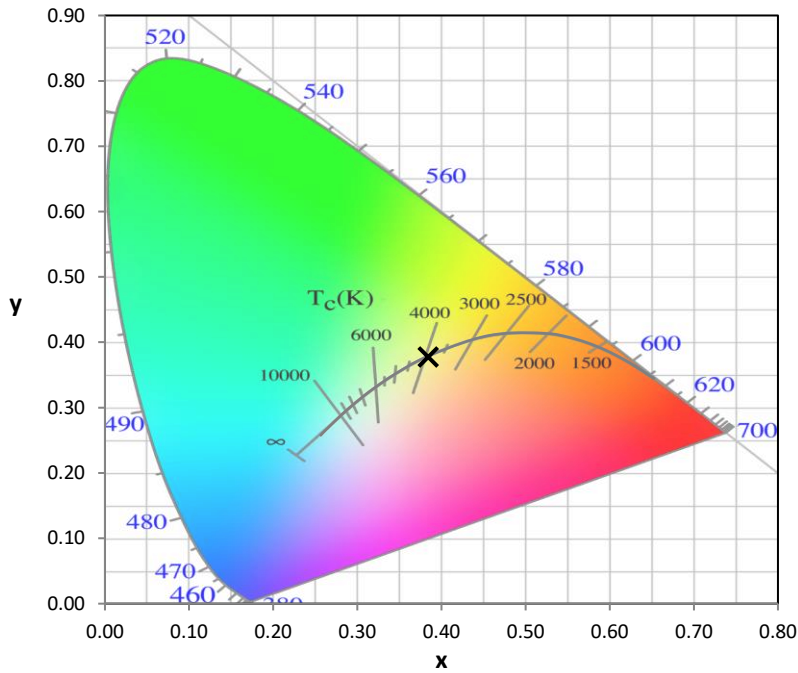
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

REPORT NUMBER: SP1-2406-133-1

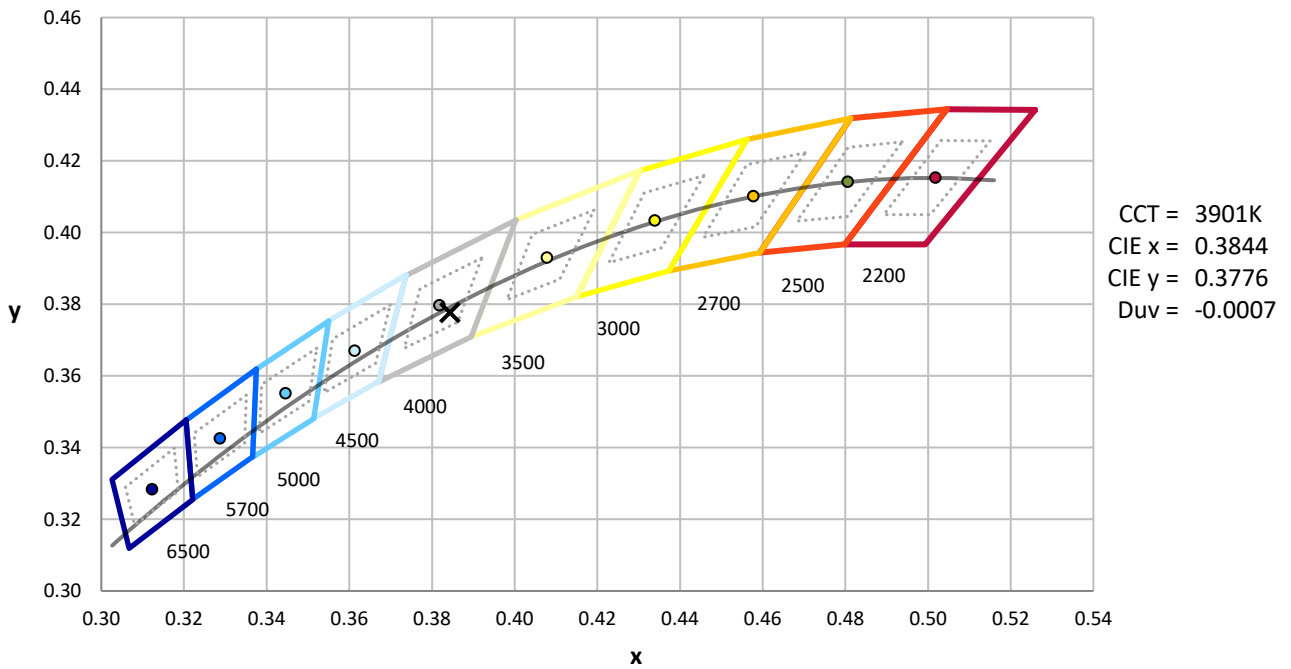
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

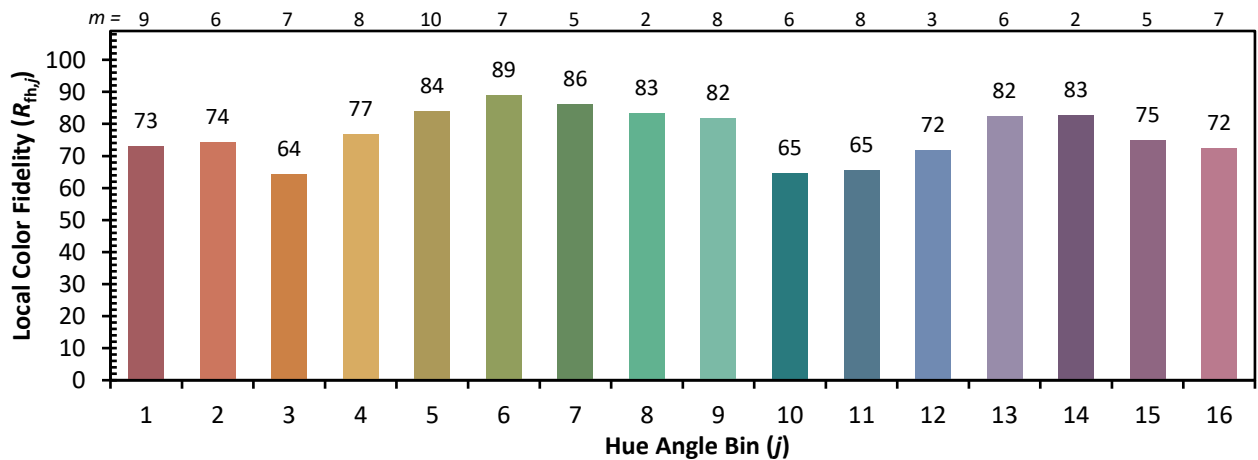
CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82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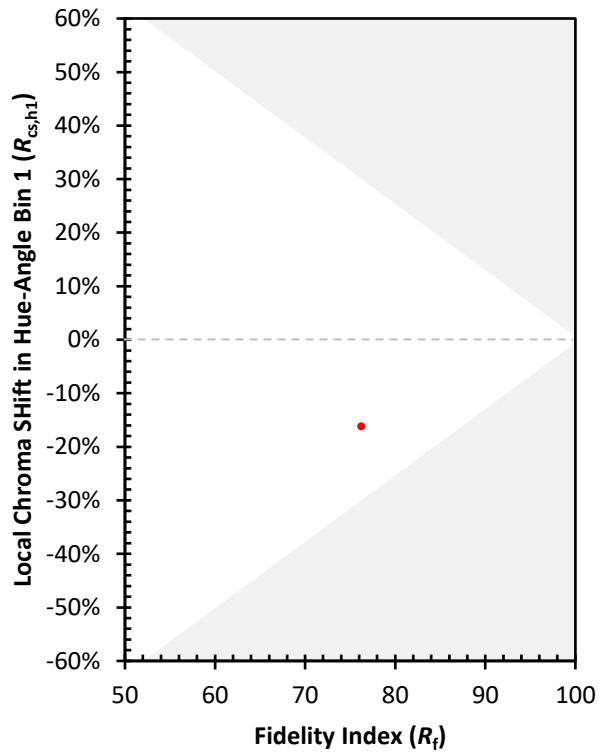
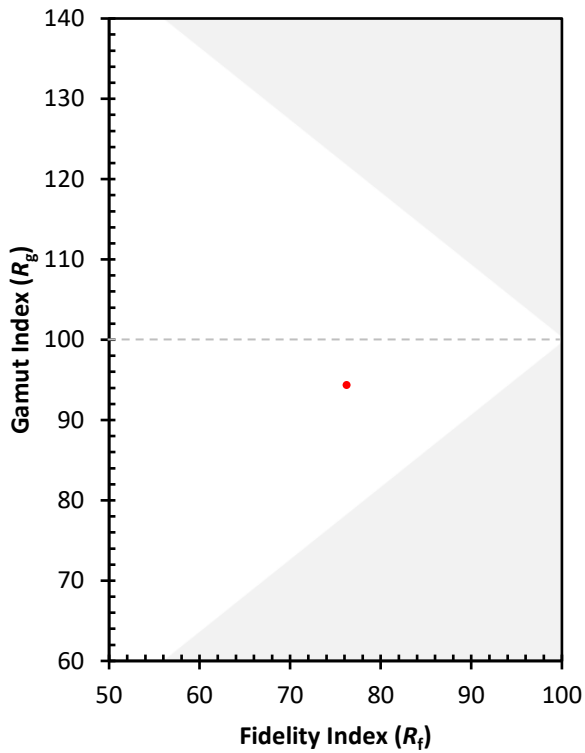
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)