

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: P856392

Luminaire Tested: **FFX-CLB-70-730-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856392
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-70-730-U-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

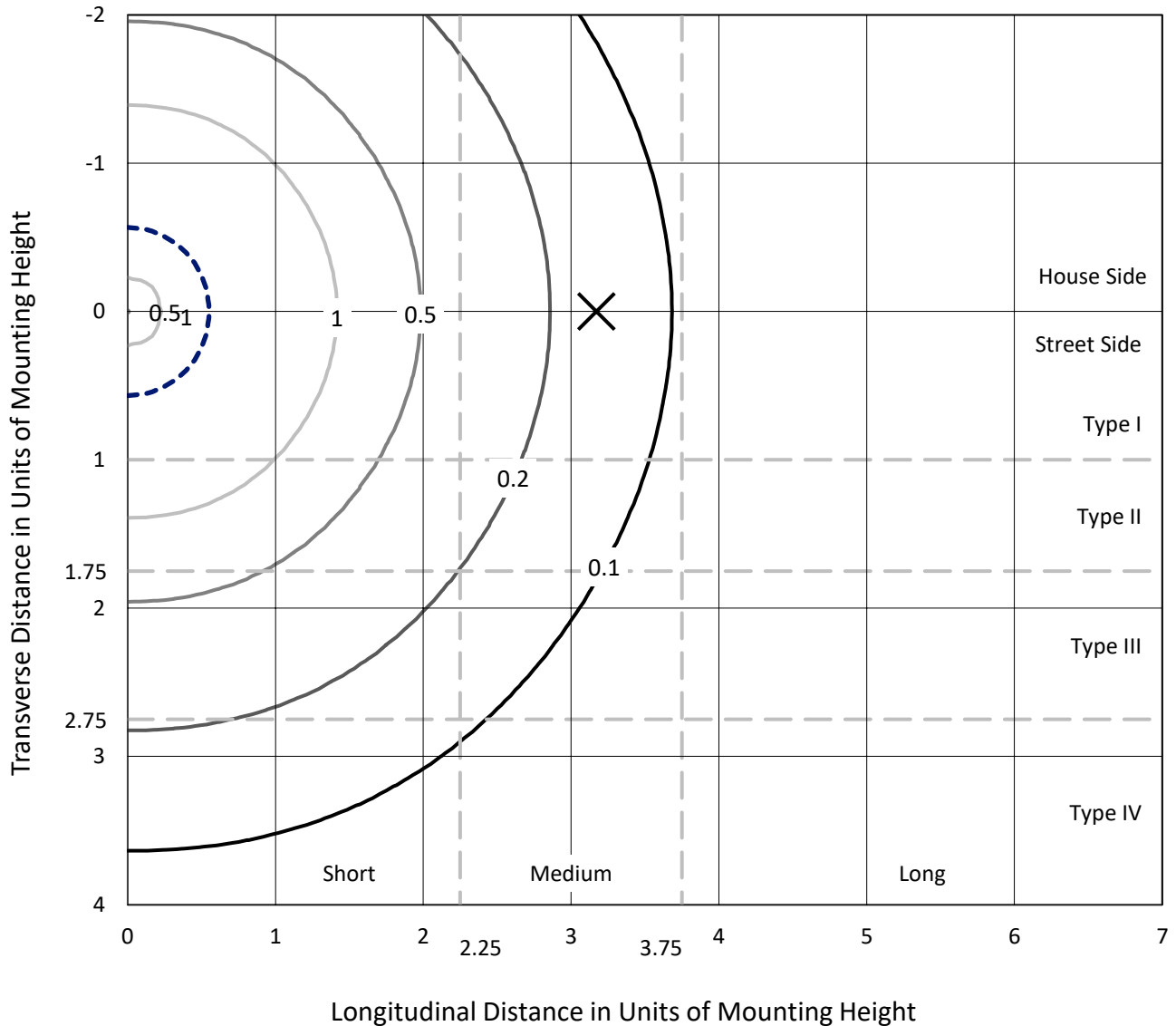
Lumens per Lamp: N/A
Luminaire Lumens: 11041 lumens
Efficiency: N/A
Efficacy: 157.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

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

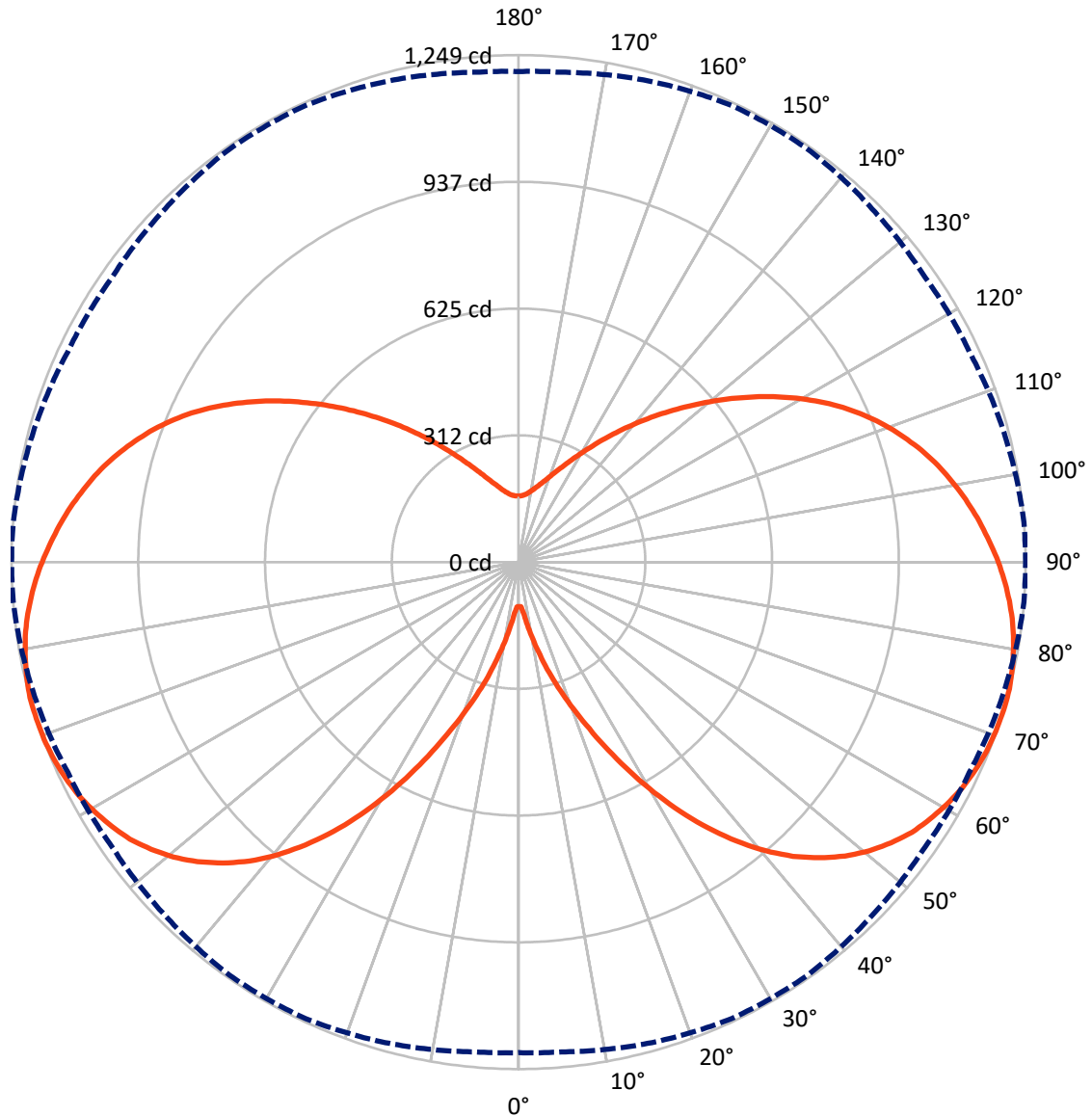
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 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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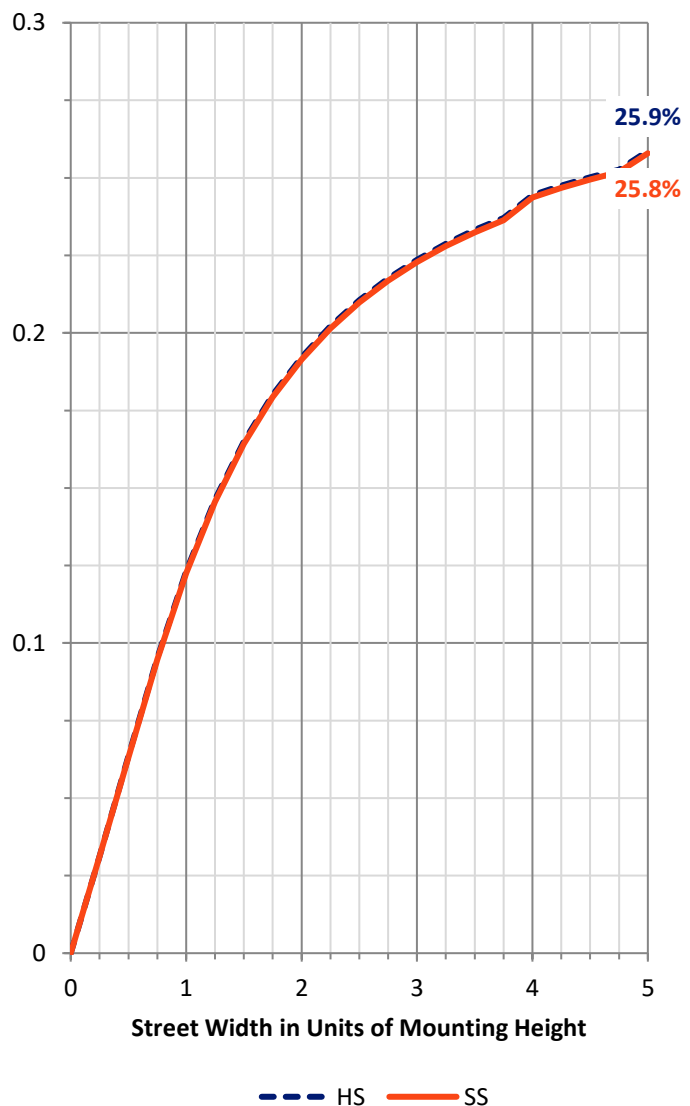
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3233.8	2286.7	5520.5
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	3233.8	2286.7	5520.5
	% Fixture	29.3	20.7	50.0
Total	Lumens	6467.6	4573.4	11041.0
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.1
10°-20°	82.8	0.8
20°-30°	239.3	2.2
30°-40°	497.8	4.5
40°-50°	790.0	7.2
50°-60°	1037.1	9.4
60°-70°	1209.3	11.0
70°-80°	1298.9	11.8
80°-90°	1298.3	11.8
90°-100°	1215.3	11.0
100°-110°	1066.3	9.7
110°-120°	857.5	7.8
120°-130°	615.9	5.6
130°-140°	395.9	3.6
140°-150°	229.7	2.1
150°-160°	120.6	1.1
160°-170°	56.1	0.5
170°-180°	16.2	0.1
0°-90°	6467.6	58.6
0°-180°	11041.0	100.0



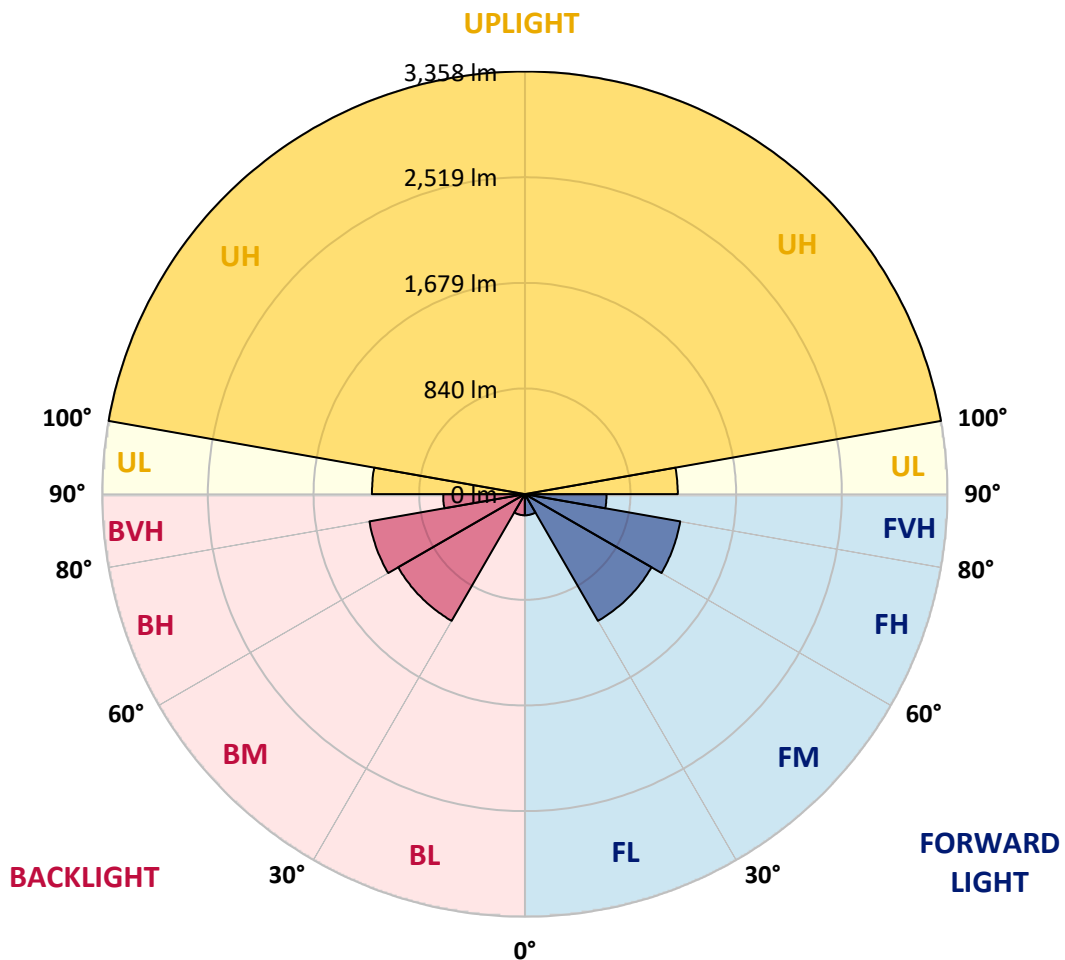
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.2	1.5			
FM (30°-60°)	1162.5	10.5			
FH (60°-80°)	1254.1	11.4			G1/1800
FVH (80°-90°)	649.1	5.9			G4/750
BL (0°-30°)	168.2	1.5	B1/500		
BM (30°-60°)	1162.5	10.5	B2/2500		
BH (60°-80°)	1254.1	11.4	B3/2500		G1/1800
BVH (80°-90°)	649.1	5.9			G4/750
UL (90°-100°)	1215.3	11.0		U5	
UH (100°-180°)	3358.2	30.4		U5	

BUG Rating: B3-U5-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4
2.5°	113.7	113.7	113.0	113.0	112.3	111.6	111.6	110.9	110.2	110.2	110.2
5°	126.5	125.8	125.8	125.8	125.8	125.1	125.8	125.1	125.1	125.1	125.8
7.5°	154.2	153.5	153.5	153.5	154.2	154.2	154.9	155.6	156.4	156.4	156.4
10°	190.5	189.8	189.8	189.0	190.5	190.5	191.2	189.8	191.9	191.9	192.6
12.5°	233.1	232.4	232.4	231.7	233.1	232.4	233.8	232.4	235.9	234.5	234.5
15°	279.3	279.3	278.6	277.9	280.0	280.0	281.4	281.4	283.6	282.1	282.9
17.5°	328.3	327.6	327.6	326.9	329.0	329.0	329.0	330.5	333.3	330.5	332.6
20°	380.9	380.2	380.2	379.5	381.6	381.6	383.1	383.8	386.6	384.5	385.9
22.5°	437.8	437.1	437.1	437.1	439.9	440.6	440.6	442.8	446.3	442.8	445.6
25°	501.0	500.3	500.3	502.5	504.6	505.3	506.7	509.6	513.1	509.6	513.1
27.5°	568.6	567.8	569.3	572.1	574.2	575.7	577.8	578.5	583.5	579.9	584.9
30°	638.2	637.5	638.9	642.5	645.3	649.6	649.6	651.7	658.8	653.8	658.8
32.5°	707.1	706.4	708.6	712.8	717.1	721.4	722.1	724.9	732.0	728.5	733.4
35°	775.4	774.7	777.5	783.2	787.4	791.7	793.1	796.0	803.8	800.2	805.2
37.5°	840.0	840.0	842.9	849.3	854.3	859.9	859.2	862.8	869.9	867.8	872.7
40°	900.4	900.4	904.0	911.8	917.5	921.1	920.3	923.9	931.7	931.0	935.3
42.5°	955.2	955.2	960.1	968.0	973.6	975.8	975.8	979.3	987.9	987.1	991.4
45°	1001.4	1003.5	1009.2	1017.7	1022.7	1024.8	1023.4	1026.9	1036.2	1036.2	1039.7
47.5°	1044.0	1046.8	1052.5	1061.1	1064.6	1066.7	1065.3	1068.2	1077.4	1078.8	1082.4
50°	1081.0	1083.1	1090.2	1099.4	1103.0	1103.0	1100.9	1103.7	1113.7	1116.5	1119.3
52.5°	1112.9	1115.1	1122.9	1132.8	1135.0	1134.3	1131.4	1134.3	1144.2	1147.1	1149.2
55°	1138.5	1140.7	1149.9	1159.8	1162.0	1159.8	1155.6	1159.1	1168.4	1172.6	1176.2
57.5°	1159.1	1161.3	1171.9	1181.9	1184.0	1179.7	1174.8	1178.3	1189.0	1194.0	1195.4
60°	1176.2	1178.3	1189.7	1200.4	1201.8	1196.8	1191.1	1194.7	1205.3	1211.0	1212.4
62.5°	1189.7	1191.8	1203.9	1216.0	1216.7	1210.3	1203.9	1207.5	1218.1	1224.5	1226.7
65°	1198.9	1201.1	1214.6	1226.7	1228.1	1220.3	1213.9	1217.4	1227.4	1235.2	1236.6
67.5°	1205.3	1207.5	1222.4	1235.2	1235.9	1227.4	1220.3	1223.1	1234.5	1242.3	1243.7
70°	1208.2	1210.3	1225.9	1239.4	1240.2	1230.9	1222.4	1225.9	1237.3	1246.6	1248.0
72.5°	1208.9	1211.7	1228.1	1241.6	1242.3	1231.6	1223.1	1225.9	1238.0	1248.7	1249.4
75°	1206.0	1209.6	1226.7	1240.9	1240.9	1228.8	1219.5	1222.4	1235.9	1247.3	1249.4
77.5°	1202.5	1204.6	1222.4	1236.6	1235.9	1223.1	1212.4	1216.7	1230.2	1243.0	1244.4
80°	1194.7	1197.5	1215.3	1228.8	1227.4	1213.1	1203.2	1207.5	1221.7	1235.2	1236.6
82.5°	1184.7	1187.6	1205.3	1217.4	1216.0	1201.1	1191.1	1196.1	1211.0	1225.2	1226.7
85°	1172.6	1175.5	1192.5	1203.9	1201.8	1186.9	1176.9	1181.2	1197.5	1211.7	1213.1
87.5°	1157.0	1159.8	1176.9	1186.9	1184.7	1169.1	1160.6	1166.2	1181.2	1196.1	1196.8
90°	1139.2	1142.8	1157.7	1167.0	1164.1	1149.9	1142.1	1147.8	1162.7	1176.9	1178.3
92.5°	1121.5	1122.9	1137.1	1144.9	1142.8	1130.0	1122.9	1129.3	1142.8	1157.0	1157.0
95°	1100.1	1102.3	1115.1	1121.5	1119.3	1108.7	1102.3	1109.4	1121.5	1135.0	1135.7
97.5°	1077.4	1079.5	1090.2	1096.6	1094.5	1085.2	1081.0	1088.1	1098.7	1111.5	1112.2
100°	1053.2	1054.7	1063.9	1069.6	1067.5	1060.4	1057.5	1064.6	1074.6	1086.6	1086.6
102.5°	1026.2	1027.7	1034.8	1038.3	1037.6	1031.9	1031.9	1039.7	1047.6	1058.9	1060.4
105°	997.8	999.2	1004.2	1006.3	1005.6	1003.5	1004.9	1012.7	1019.1	1029.1	1030.5
107.5°	965.8	967.3	970.1	970.8	970.8	970.8	975.8	982.9	990.0	997.1	997.8
110°	931.7	932.4	934.6	933.8	933.8	935.3	942.4	950.2	955.9	963.0	963.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	894.8	895.5	896.9	894.0	894.8	897.6	906.8	915.4	918.9	926.0	926.0
115°	855.7	855.0	856.4	852.8	852.1	857.1	867.0	877.0	879.8	884.8	885.5
117.5°	813.0	813.7	813.0	808.8	808.1	815.2	824.4	833.6	837.2	842.9	841.5
120°	769.0	768.3	769.0	764.0	763.3	771.1	780.3	789.6	791.7	796.7	795.3
122.5°	724.2	723.5	722.8	717.8	717.8	724.2	735.6	744.8	743.4	749.1	748.4
125°	678.0	678.0	676.6	671.6	671.6	679.4	688.7	697.2	695.8	702.2	700.0
127.5°	632.5	632.5	631.1	626.8	626.8	633.9	642.5	651.0	648.9	654.5	652.4
130°	587.7	587.7	586.3	582.1	582.1	587.7	597.0	604.1	601.2	606.2	605.5
132.5°	545.1	544.4	543.7	539.4	540.1	545.8	552.9	559.3	556.5	562.2	560.0
135°	503.9	503.2	502.5	498.2	498.9	504.6	511.0	516.0	513.8	517.4	516.7
137.5°	464.8	464.1	463.4	459.8	460.5	464.8	471.2	475.5	472.6	477.6	475.5
140°	427.8	427.1	425.7	423.6	424.3	428.5	432.1	437.1	434.2	438.5	436.4
142.5°	392.3	392.3	390.9	388.7	389.5	393.7	396.6	400.1	397.3	400.8	399.4
145°	359.6	359.6	358.2	356.8	356.8	360.3	362.5	366.0	363.2	366.7	365.3
147.5°	329.8	329.8	328.3	326.9	326.9	330.5	331.9	334.7	331.9	334.7	333.3
150°	302.0	302.0	301.3	299.9	300.6	302.0	303.5	305.6	303.5	305.6	304.9
152.5°	277.9	277.9	277.2	276.5	275.7	277.9	278.6	280.7	278.6	280.7	279.3
155°	256.6	255.8	255.8	254.4	254.4	255.8	256.6	258.0	255.8	258.0	257.3
157.5°	237.4	237.4	236.7	235.9	235.9	236.7	237.4	238.1	236.7	238.8	237.4
160°	221.0	221.0	220.3	219.6	219.6	220.3	220.3	221.0	219.6	221.0	220.3
162.5°	206.8	206.8	206.1	206.1	205.4	206.1	206.8	206.8	206.1	206.8	206.1
165°	195.4	195.4	194.7	194.0	194.0	194.7	194.7	195.4	194.0	194.7	194.7
167.5°	184.8	184.8	184.8	184.1	183.4	184.1	184.1	184.1	183.4	184.1	184.1
170°	177.0	177.0	177.0	176.3	175.5	176.3	176.3	176.3	175.5	176.3	176.3
172.5°	170.6	170.6	170.6	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9
175°	166.3	166.3	166.3	166.3	165.6	166.3	166.3	166.3	166.3	166.3	165.6
177.5°	164.2	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5
180°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7

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

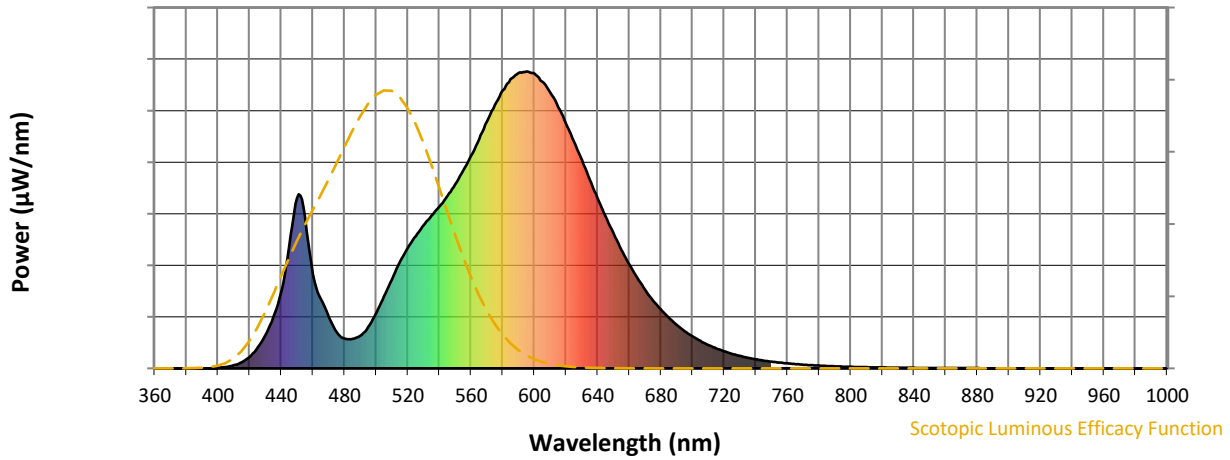


Photopic Lumens: NR

λ (nm)	Power W [^] /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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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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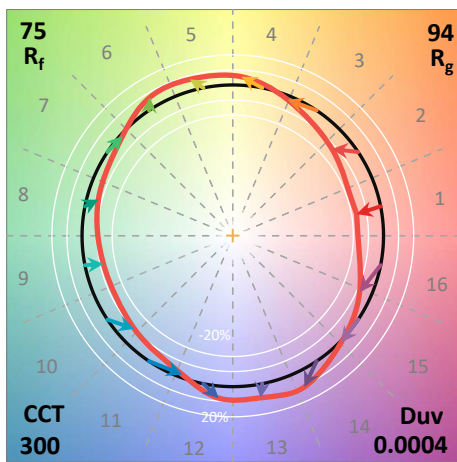
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Summary

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



Color Vector Graphics



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

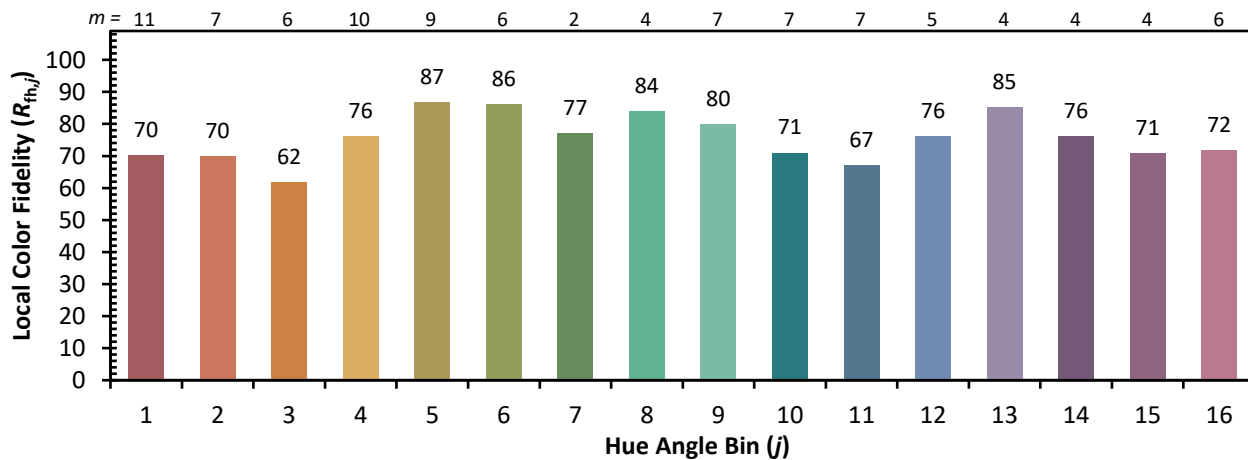
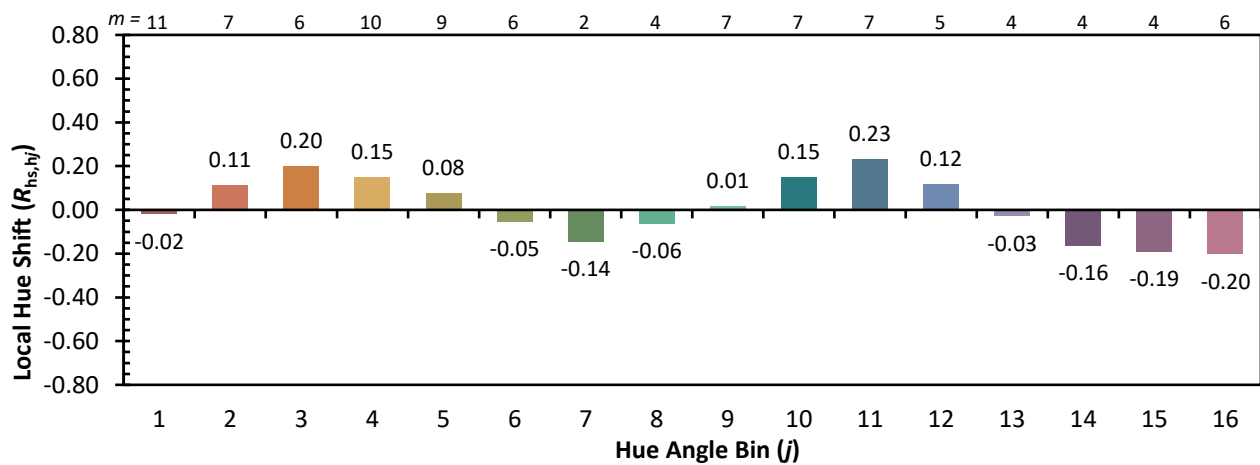
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CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 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
CES25 = 73	CES50 = 86	CES75 = 61	



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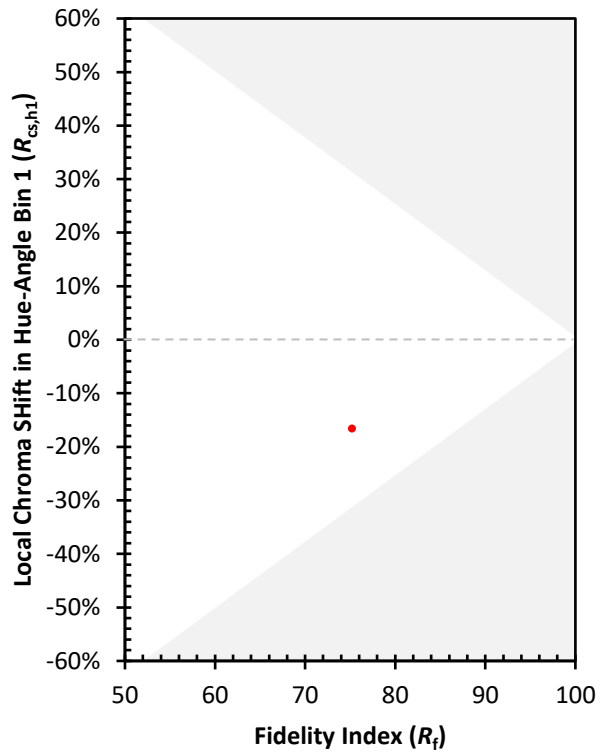
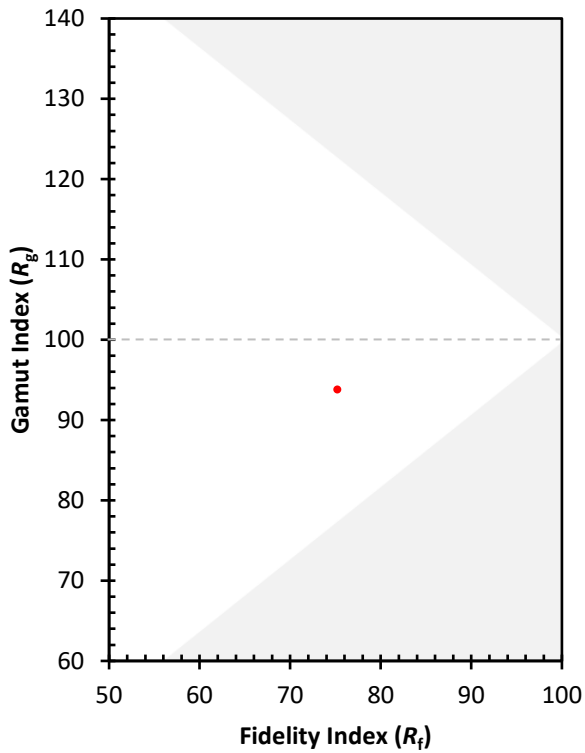
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)