

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: P856302

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

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856302
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-FG
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

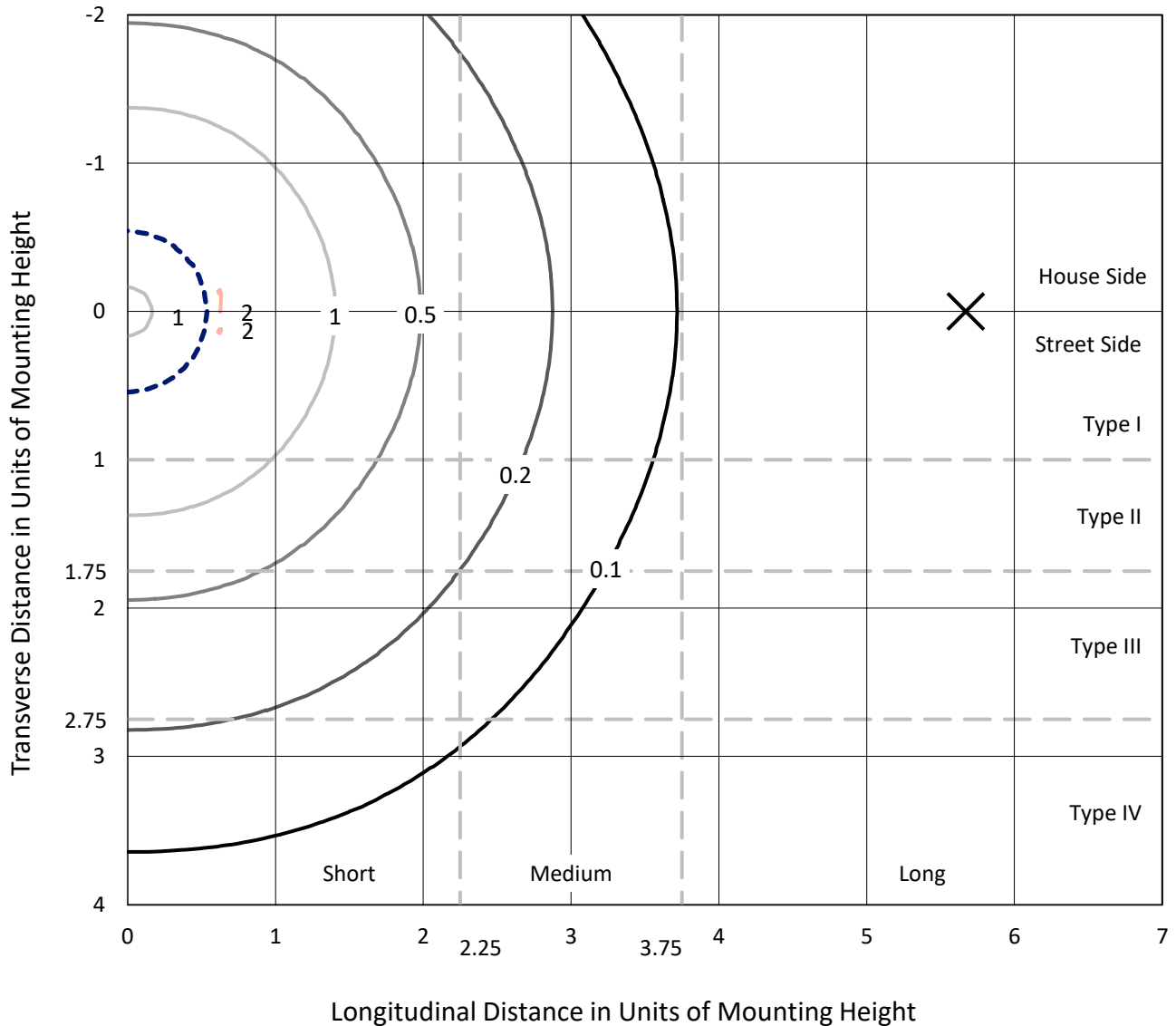
Lumens per Lamp: N/A
Luminaire Lumens: 11548.6 lumens
Efficiency: N/A
Efficacy: 164.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

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

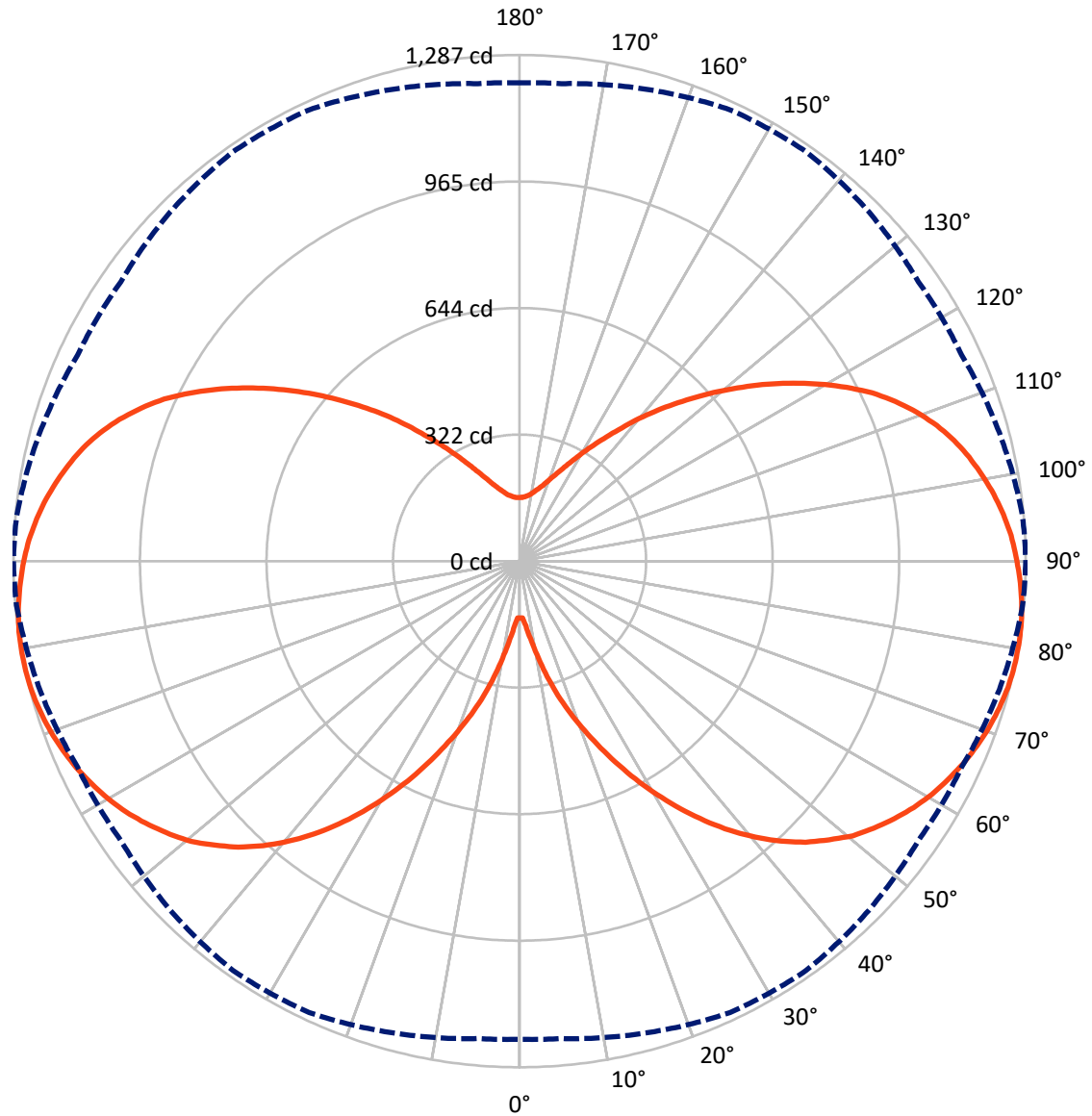
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 80-Deg Vertical

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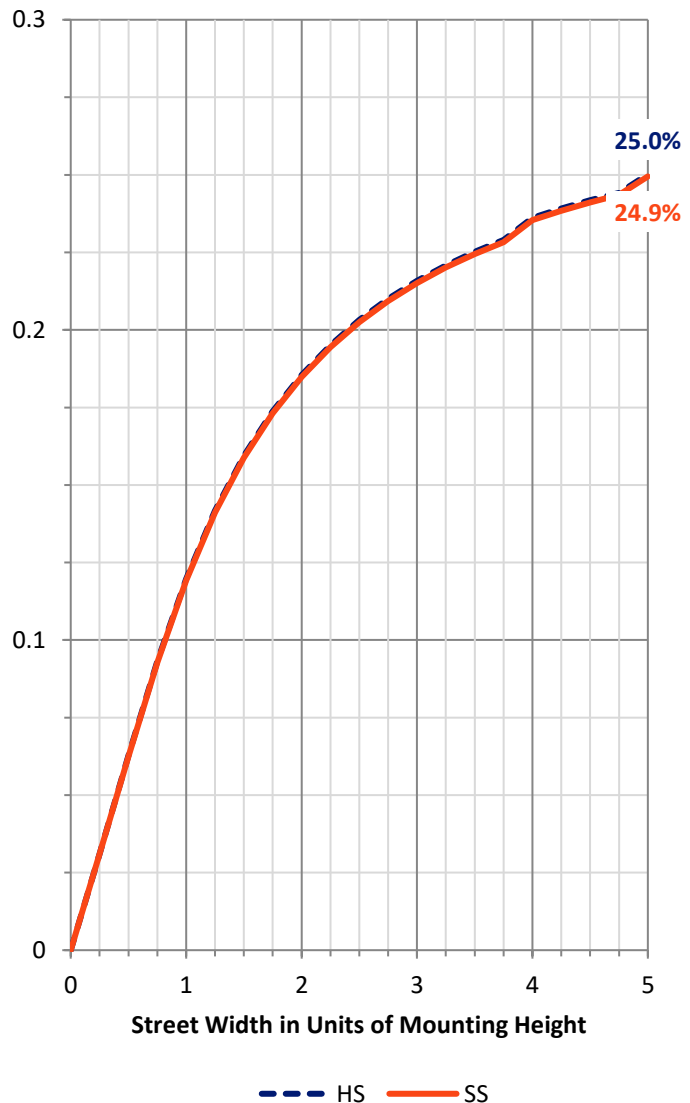
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3285.7	2488.6	5774.3
	% Fixture	28.5	21.5	50.0
Street Side	Lumens	3285.7	2488.6	5774.3
	% Fixture	28.5	21.5	50.0
Total	Lumens	6571.4	4977.2	11548.6
	% Fixture	56.9	43.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.2
10°-20°	100.8	0.9
20°-30°	265.0	2.3
30°-40°	506.6	4.4
40°-50°	778.7	6.7
50°-60°	1020.1	8.8
60°-70°	1204.0	10.4
70°-80°	1320.8	11.4
80°-90°	1357.1	11.8
90°-100°	1307.5	11.3
100°-110°	1172.3	10.2
110°-120°	952.6	8.2
120°-130°	680.7	5.9
130°-140°	430.5	3.7
140°-150°	241.1	2.1
150°-160°	121.4	1.1
160°-170°	55.1	0.5
170°-180°	16.0	0.1
0°-90°	6571.4	56.9
0°-180°	11548.6	100.0



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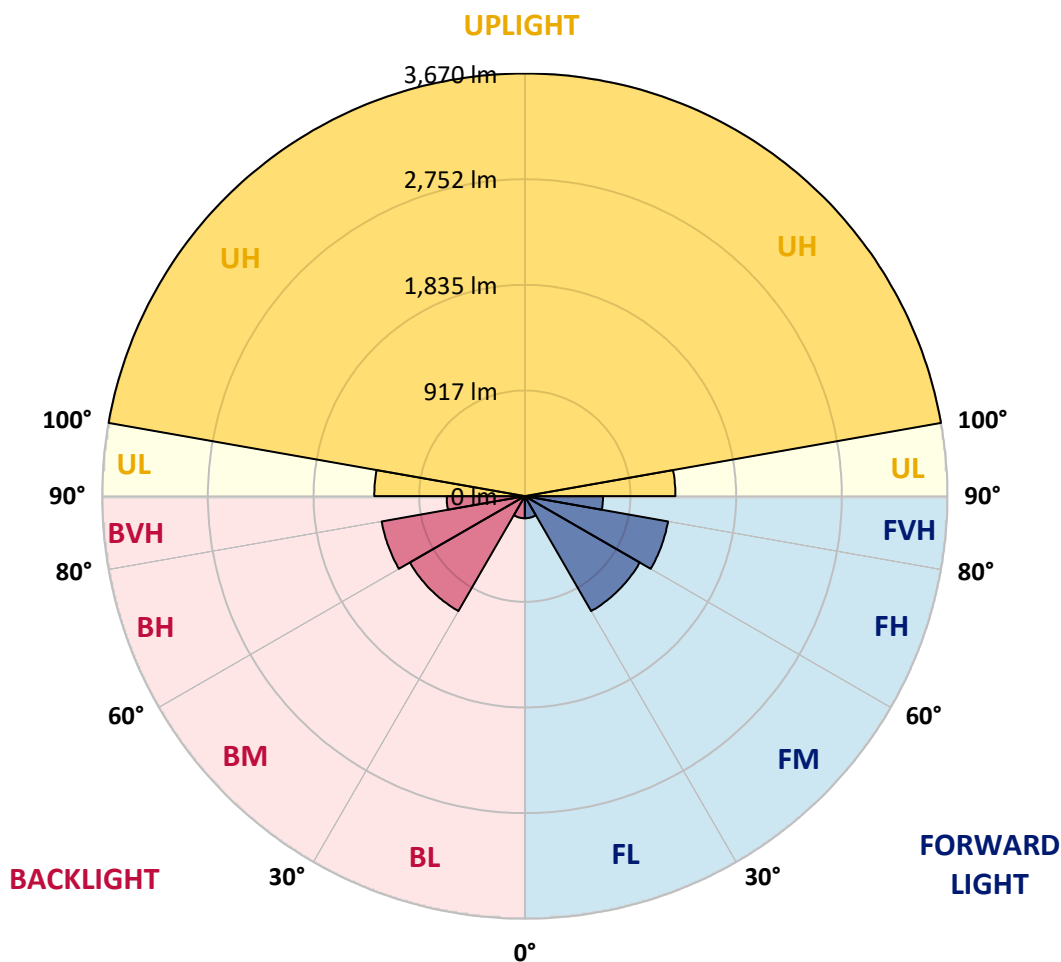
CATALOG NUMBER: FFX-CLB-70-730-U-FG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.0	1.7			
FM (30°-60°)	1152.7	10.0			
FH (60°-80°)	1262.4	10.9			G1/1800
FVH (80°-90°)	678.6	5.9			G4/750
BL (0°-30°)	192.0	1.7	B1/500		
BM (30°-60°)	1152.7	10.0	B2/2500		
BH (60°-80°)	1262.4	10.9	B3/2500		G1/1800
BVH (80°-90°)	678.6	5.9			G4/750
UL (90°-100°)	1307.5	11.3		U5	
UH (100°-180°)	3669.8	31.8		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°	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
2.5°	152.1	152.1	151.4	150.0	149.2	148.5	147.1	145.0	144.3	144.3	144.3
5°	165.6	166.3	166.3	165.6	166.3	164.9	164.9	163.5	164.2	164.2	164.9
7.5°	199.0	199.0	199.7	199.7	200.4	199.0	199.7	199.0	199.7	199.7	199.0
10°	242.3	242.3	243.8	242.3	243.1	241.6	240.9	240.9	243.1	242.3	241.6
12.5°	291.4	292.8	292.1	291.4	292.8	291.4	290.0	290.7	293.5	292.1	291.4
15°	343.3	344.7	346.1	344.0	344.7	344.0	343.3	344.0	346.8	345.4	344.7
17.5°	395.9	396.6	398.0	395.1	395.9	396.6	395.9	396.6	398.7	398.0	397.3
20°	448.4	449.9	451.3	448.4	449.2	449.9	449.2	449.9	452.7	451.3	450.6
22.5°	503.9	504.6	507.4	503.9	505.3	506.0	504.6	506.0	508.9	507.4	506.7
25°	561.4	560.7	565.0	562.2	562.9	564.3	562.9	564.3	567.8	567.8	565.7
27.5°	620.4	620.4	624.0	621.9	623.3	622.6	624.0	625.4	629.0	629.7	627.5
30°	679.4	679.4	685.1	681.6	683.7	684.4	684.4	685.8	690.1	691.5	688.7
32.5°	738.4	738.4	741.2	742.0	743.4	744.1	745.5	745.5	751.2	751.9	750.5
35°	796.0	796.0	798.8	800.2	803.8	802.4	804.5	804.5	810.9	811.6	810.9
37.5°	850.7	851.4	855.0	856.4	859.2	859.2	860.6	862.1	867.8	869.9	869.2
40°	902.6	904.0	906.8	909.7	912.5	912.5	913.2	915.4	921.8	923.9	923.2
42.5°	949.5	950.2	954.5	958.7	961.6	961.6	962.3	963.7	970.8	973.6	973.6
45°	990.7	992.8	998.5	1004.2	1007.0	1006.3	1006.3	1008.5	1016.3	1019.8	1019.8
47.5°	1029.1	1031.9	1038.3	1044.0	1046.8	1046.8	1046.1	1048.3	1056.8	1061.1	1058.9
50°	1063.2	1065.3	1072.4	1081.0	1083.1	1083.1	1081.0	1083.1	1092.3	1098.0	1098.0
52.5°	1091.6	1093.8	1102.3	1111.5	1114.4	1113.7	1110.8	1112.9	1122.2	1128.6	1127.9
55°	1115.8	1118.6	1127.9	1139.2	1142.1	1139.9	1136.4	1138.5	1148.5	1157.0	1156.3
57.5°	1137.8	1139.9	1150.6	1162.7	1167.0	1163.4	1158.4	1160.6	1171.9	1181.2	1181.9
60°	1156.3	1158.4	1170.5	1184.7	1188.3	1184.0	1177.6	1179.7	1192.5	1203.2	1204.6
62.5°	1171.9	1174.1	1187.6	1203.2	1208.2	1201.8	1194.0	1196.1	1210.3	1222.4	1223.1
65°	1184.7	1186.9	1202.5	1218.8	1223.8	1216.7	1207.5	1209.6	1225.2	1238.7	1240.2
67.5°	1194.7	1197.5	1215.3	1233.0	1237.3	1228.8	1218.1	1220.3	1237.3	1252.9	1254.4
70°	1203.2	1206.8	1225.2	1244.4	1249.4	1239.4	1226.7	1229.5	1248.7	1264.3	1266.4
72.5°	1209.6	1213.1	1233.0	1253.7	1259.3	1247.3	1233.0	1235.9	1256.5	1273.6	1275.7
75°	1213.9	1217.4	1238.7	1260.8	1265.7	1252.9	1237.3	1240.2	1261.5	1280.0	1282.8
77.5°	1216.0	1219.5	1242.3	1265.0	1270.0	1255.1	1238.7	1241.6	1263.6	1283.5	1286.3
80°	1216.0	1218.8	1242.3	1266.4	1270.7	1255.8	1238.0	1240.2	1262.9	1284.2	1287.1
82.5°	1213.9	1216.7	1240.9	1265.0	1269.3	1252.9	1234.5	1237.3	1260.8	1282.1	1285.6
85°	1208.9	1211.7	1235.9	1260.8	1265.0	1247.3	1228.1	1230.9	1254.4	1277.1	1280.7
87.5°	1201.8	1205.3	1228.8	1253.7	1257.2	1238.7	1220.3	1221.7	1246.5	1270.0	1272.8
90°	1193.2	1196.8	1218.8	1243.7	1247.3	1228.8	1209.6	1211.7	1235.9	1260.1	1262.9
92.5°	1183.3	1186.1	1207.5	1230.2	1234.5	1215.3	1196.8	1199.6	1223.8	1248.0	1251.5
95°	1170.5	1172.6	1192.5	1213.9	1217.4	1200.4	1181.9	1184.7	1208.9	1232.3	1235.9
97.5°	1154.9	1156.3	1174.1	1193.2	1197.5	1181.2	1164.1	1167.0	1190.4	1213.9	1218.1
100°	1137.1	1137.8	1153.4	1169.8	1173.3	1159.8	1144.2	1147.8	1169.8	1194.0	1196.8
102.5°	1116.5	1116.5	1129.3	1142.8	1147.1	1135.7	1122.2	1125.7	1147.1	1169.8	1173.3
105°	1093.8	1091.6	1100.9	1111.5	1116.5	1108.0	1098.0	1100.9	1120.8	1142.8	1147.1
107.5°	1065.3	1063.2	1069.6	1078.8	1083.8	1077.4	1069.6	1073.9	1090.9	1111.5	1115.8
110°	1033.3	1030.5	1033.3	1040.4	1046.1	1041.9	1037.6	1041.2	1057.5	1076.7	1079.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	996.4	992.8	993.5	998.5	1003.5	1002.8	999.9	1005.6	1019.1	1034.8	1038.3
115°	953.7	950.2	948.1	950.9	955.2	958.0	960.9	964.4	975.1	987.9	993.5
117.5°	909.0	903.3	899.7	899.7	904.7	909.7	914.7	919.6	926.7	938.8	941.0
120°	857.1	853.5	848.6	848.6	852.8	857.8	865.6	871.3	875.6	884.1	886.9
122.5°	805.9	800.9	796.0	796.0	798.8	805.9	816.6	821.6	823.7	828.7	830.8
125°	754.0	748.4	742.7	742.7	745.5	752.6	764.7	769.0	770.4	772.5	774.7
127.5°	701.5	695.8	690.8	688.7	692.9	698.6	710.7	716.4	717.1	717.1	718.5
130°	648.9	644.6	639.6	637.5	641.8	646.7	660.2	665.9	663.1	663.1	663.8
132.5°	599.1	594.8	589.9	588.5	591.3	597.7	609.8	614.7	612.6	609.8	610.5
135°	550.8	547.2	540.8	540.1	544.4	547.2	558.6	563.6	561.4	558.6	559.3
137.5°	504.6	501.0	495.4	494.6	498.9	502.5	511.0	516.0	513.1	510.3	511.0
140°	460.5	456.3	452.0	451.3	454.1	457.7	465.5	468.3	465.5	463.4	464.1
142.5°	419.3	416.5	411.5	411.5	412.9	415.8	422.1	425.0	422.1	419.3	417.9
145°	380.2	376.7	373.8	373.1	374.5	377.4	381.6	384.5	381.6	379.5	378.1
147.5°	345.4	342.6	339.7	339.7	340.4	342.6	346.1	346.8	344.7	343.3	341.8
150°	313.4	310.6	309.1	308.4	309.1	309.9	312.7	314.1	312.0	310.6	309.1
152.5°	284.3	282.1	280.7	281.4	281.4	282.1	282.9	283.6	281.4	281.4	280.0
155°	258.7	257.3	255.8	256.6	256.6	256.6	257.3	257.3	255.8	255.8	255.1
157.5°	237.4	235.9	235.2	235.9	235.9	235.2	235.9	235.9	234.5	234.5	233.8
160°	218.9	217.5	217.5	217.5	217.5	216.8	218.2	217.5	216.8	216.0	216.0
162.5°	204.0	202.5	202.5	203.3	202.5	202.5	202.5	202.5	201.8	201.8	201.1
165°	191.9	190.5	190.5	191.2	190.5	190.5	190.5	190.5	189.8	189.8	189.8
167.5°	181.9	181.2	181.2	181.2	181.2	180.5	181.2	181.2	180.5	180.5	180.5
170°	174.1	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	172.7	172.7
172.5°	169.1	168.4	168.4	168.4	168.4	168.4	168.4	168.4	167.7	167.7	167.7
175°	165.6	164.9	164.9	164.9	164.9	164.9	164.9	164.9	164.9	164.2	164.2
177.5°	163.5	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.0	162.0
180°	162.0	162.0	162.0	162.0	162.0	162.0	162.0	162.0	162.0	162.0	162.0

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

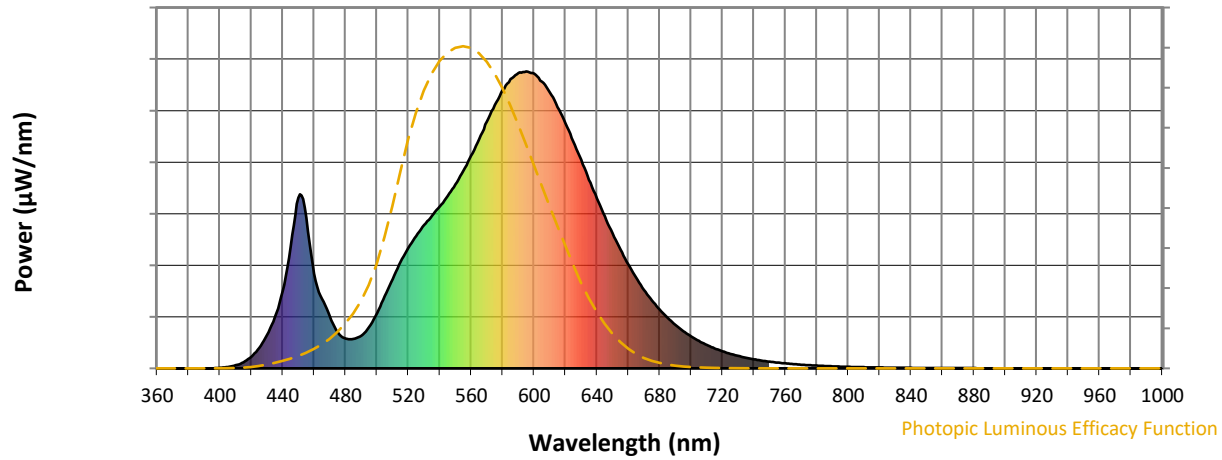


CCT = 3003K
CIE x = 0.4373
CIE y = 0.4053
Duv = 0.0004

Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

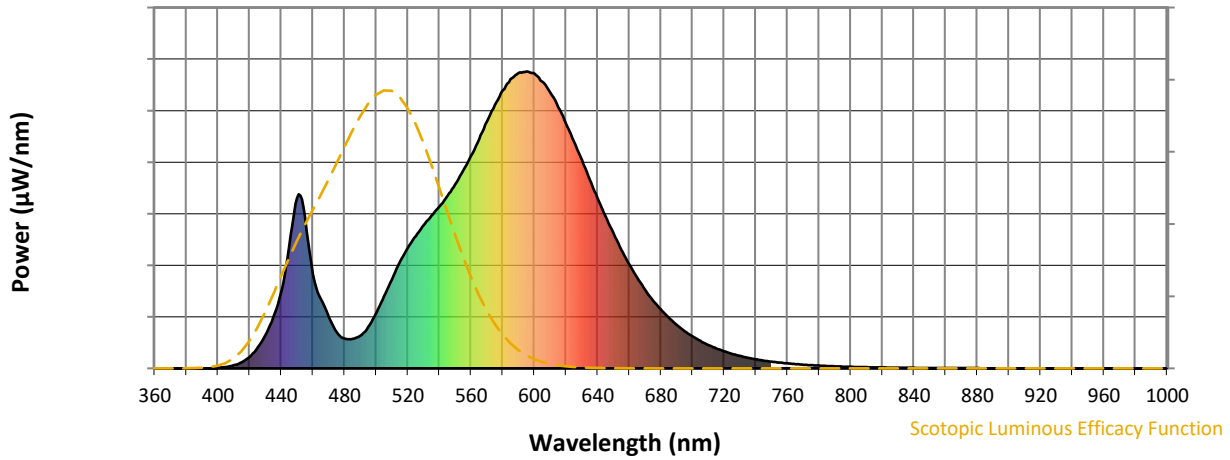


Photopic Lumens: NR

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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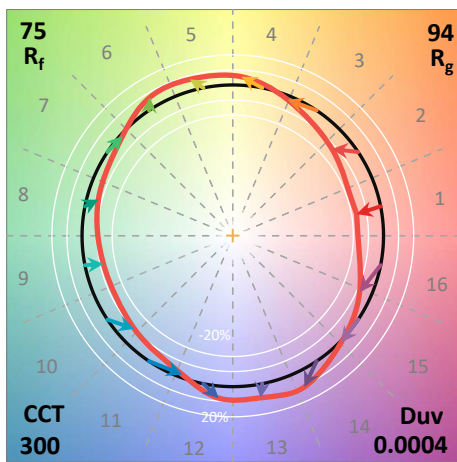
TM-30-18

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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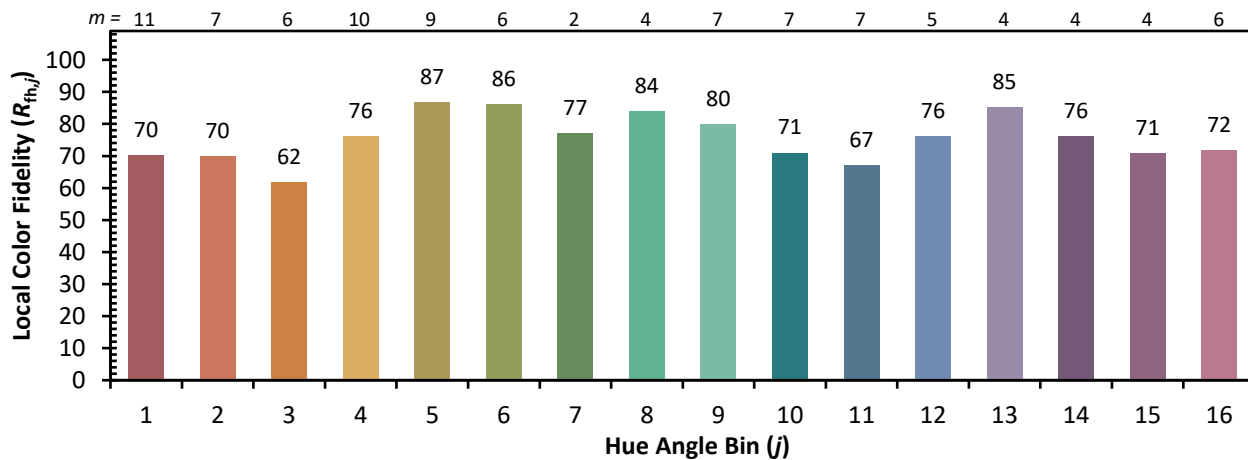
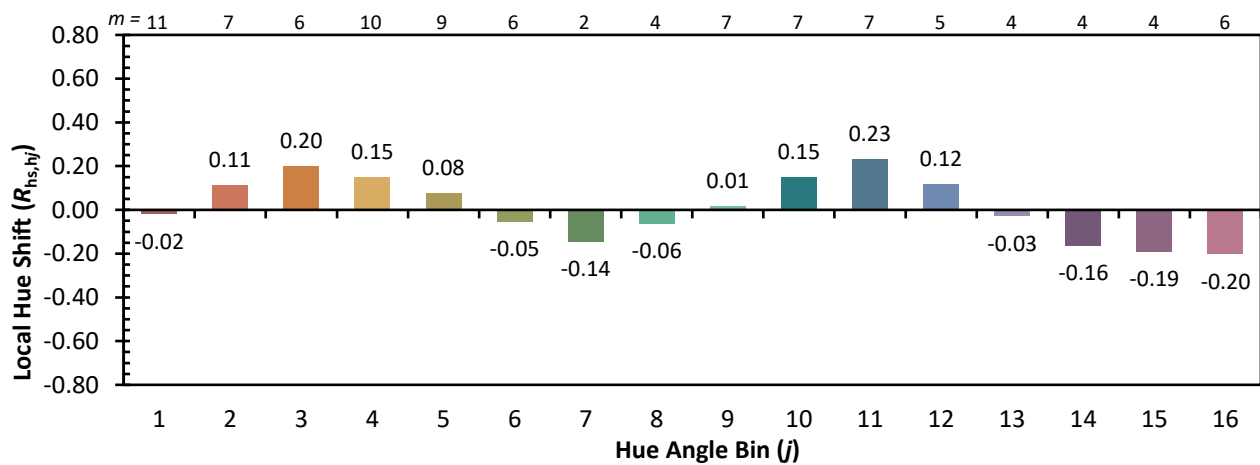
TM-30-18

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

CES01 = 86	CES26 = 66	CES51 = 87	CES76 = 59
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	



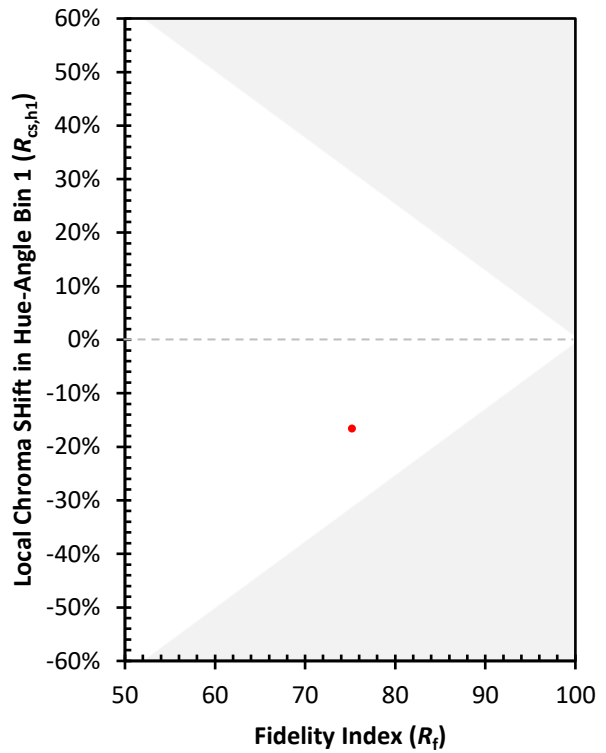
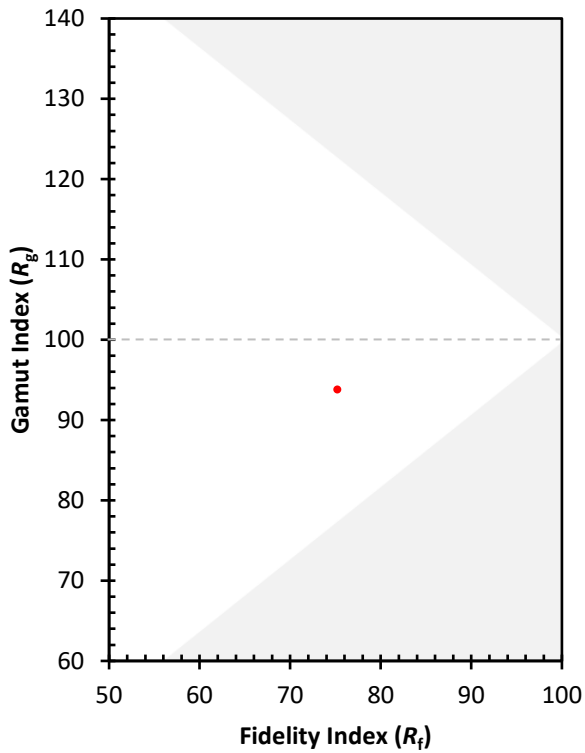
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)