

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: P856258

Luminaire Tested: **FFX-CLB-60-730-U-PG**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856258  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-60-730-U-PG  
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

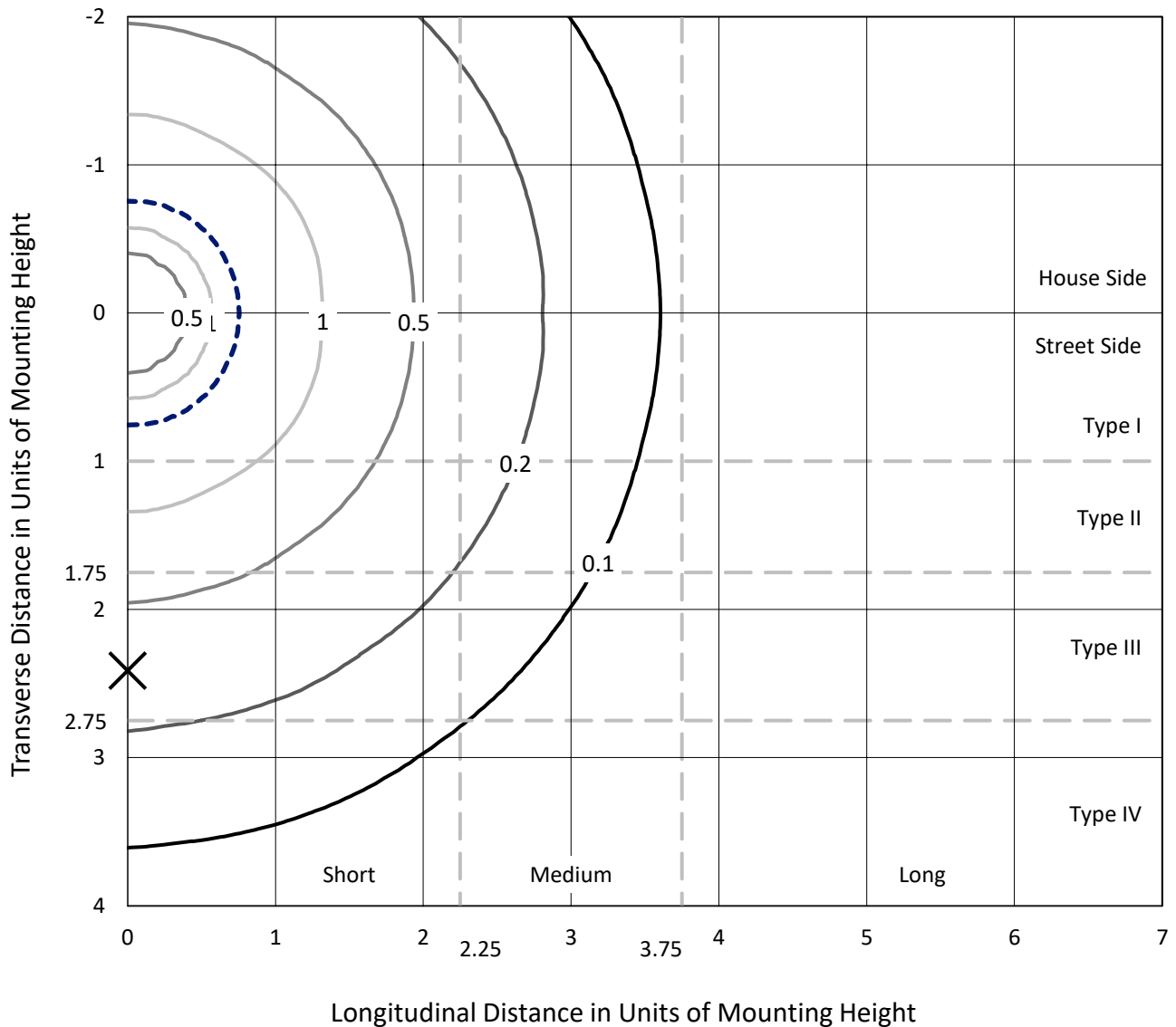
Lumens per Lamp: N/A  
Luminaire Lumens: 9573 lumens  
Efficiency: N/A  
Efficacy: 160.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')  
IES Classification: Type V - Short  
BUG Rating: B3 - U5 - G4

Input Watts (W): 59.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 8.9%  
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

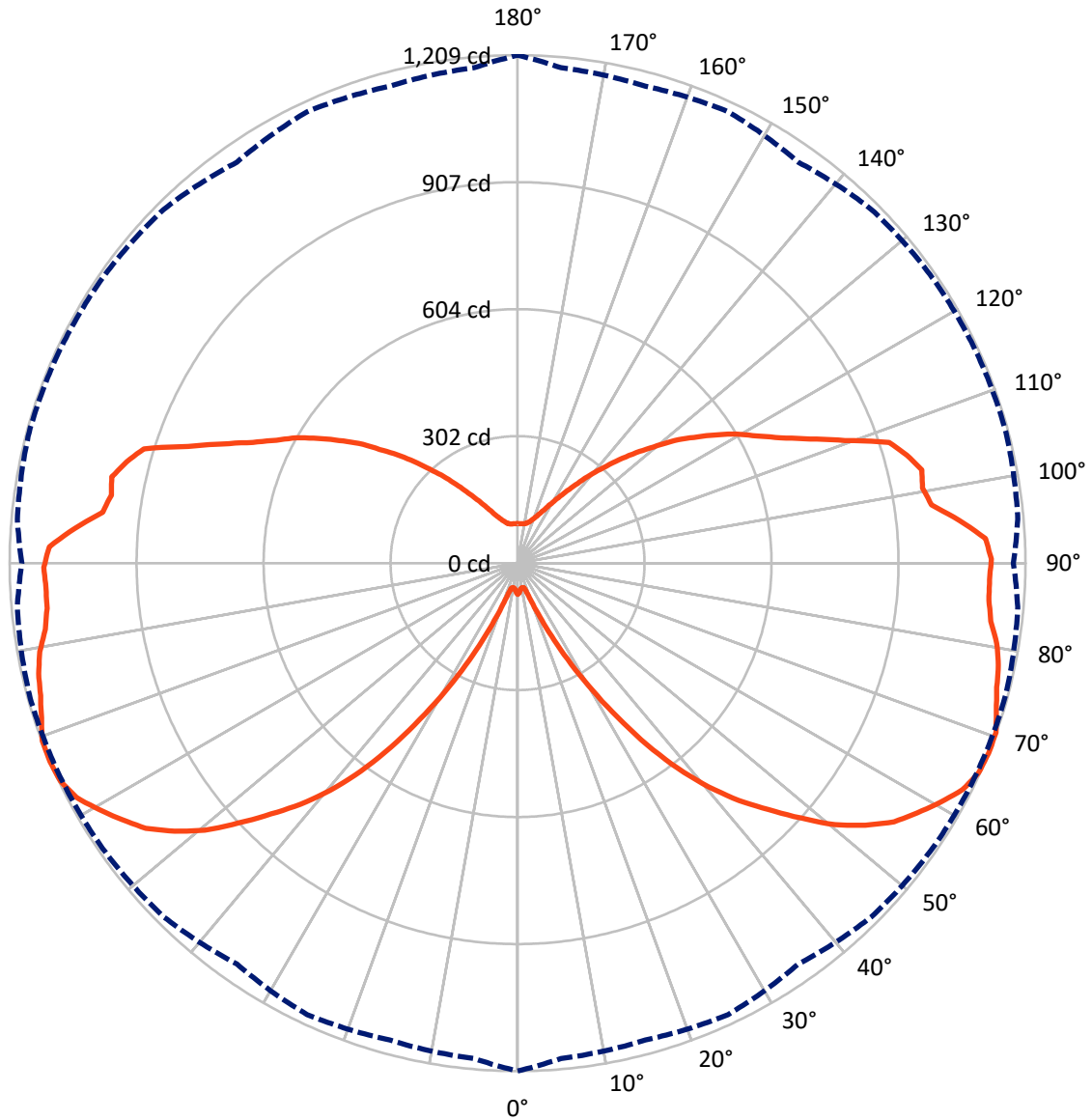
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical



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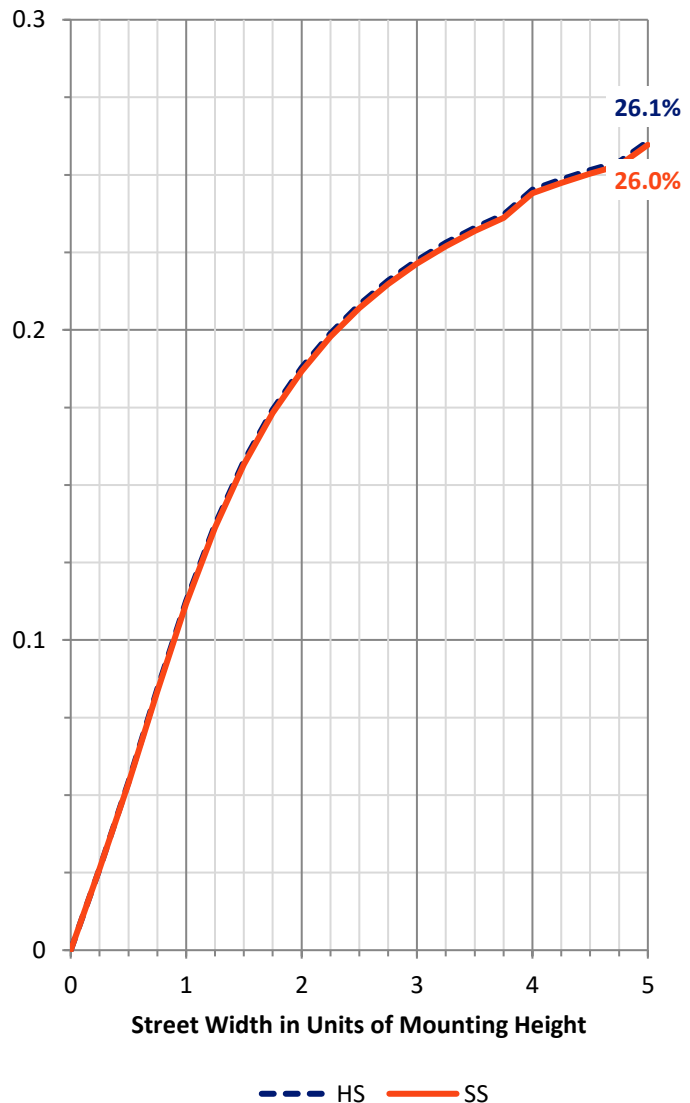
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2855.9	1930.7	4786.5
	% Fixture	29.8	20.2	50.0
<b>Street Side</b>	Lumens	2855.9	1930.7	4786.5
	% Fixture	29.8	20.2	50.0
<b>Total</b>	Lumens	5711.7	3861.3	9573.0
	% Fixture	59.7	40.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	20.4	0.2
20°-30°	102.2	1.1
30°-40°	335.9	3.5
40°-50°	649.7	6.8
50°-60°	961.4	10.0
60°-70°	1168.8	12.2
70°-80°	1234.0	12.9
80°-90°	1233.0	12.9
90°-100°	1153.4	12.0
100°-110°	1026.1	10.7
110°-120°	701.9	7.3
120°-130°	471.4	4.9
130°-140°	273.7	2.9
140°-150°	134.8	1.4
150°-160°	62.3	0.7
160°-170°	28.7	0.3
170°-180°	9.0	0.1
0°-90°	5711.7	59.7
0°-180°	9573.0	100.0



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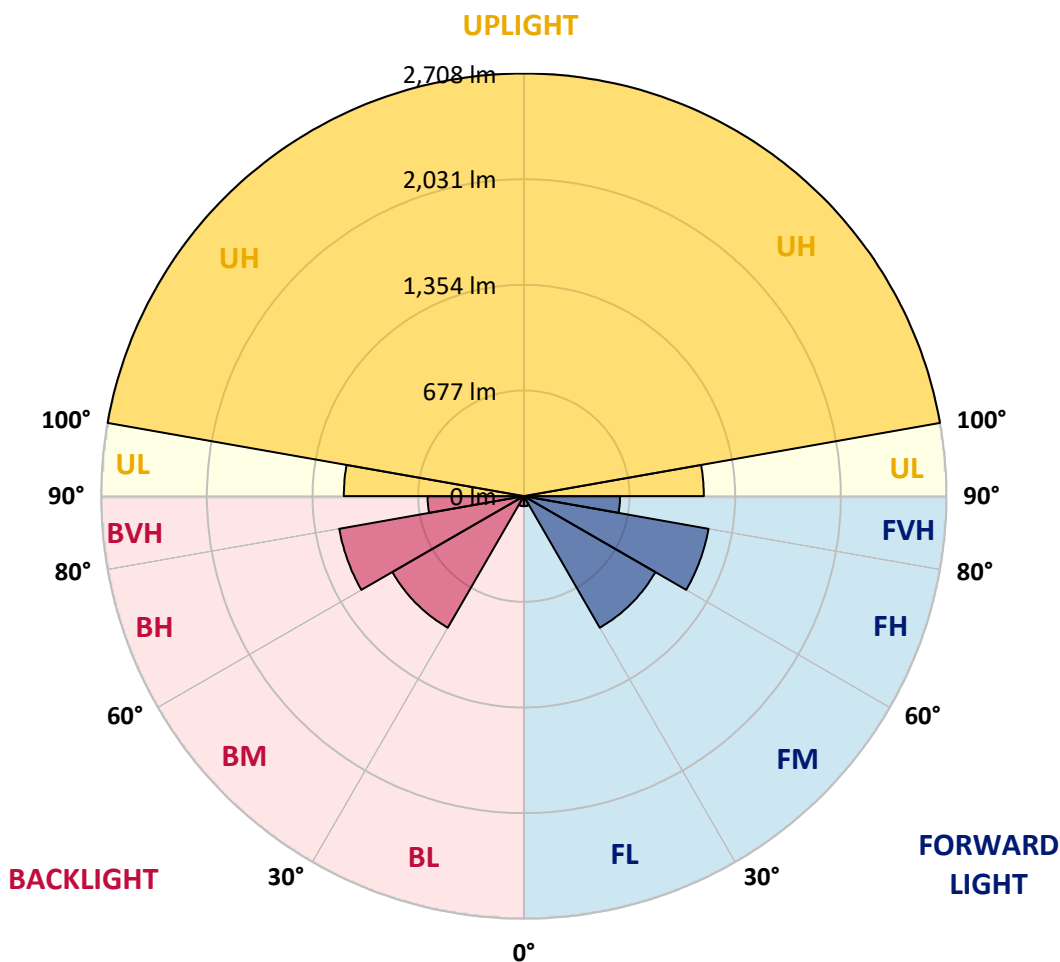
CATALOG NUMBER: FFX-CLB-60-730-U-PG

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.4	0.7			
FM (30°-60°)	973.5	10.2			
FH (60°-80°)	1201.4	12.5			G1/1800
FVH (80°-90°)	616.5	6.4			G4/750
BL (0°-30°)	64.4	0.7	B0/110		
BM (30°-60°)	973.5	10.2	B1/1000		
BH (60°-80°)	1201.4	12.5	B3/2500		G1/1800
BVH (80°-90°)	616.5	6.4			G4/750
UL (90°-100°)	1153.4	12.0		U5	
UH (100°-180°)	2707.9	28.3		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°	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
2.5°	71.3	70.7	70.0	69.4	70.0	70.7	71.9	72.5	72.5	72.5	72.5
5°	64.6	65.2	65.8	66.4	66.4	66.4	66.4	67.0	67.6	67.6	67.6
7.5°	61.0	61.0	61.6	63.4	64.0	63.4	63.4	64.0	62.2	60.4	59.8
10°	59.2	59.2	59.8	60.4	61.0	62.2	62.8	62.8	62.8	62.8	62.2
12.5°	59.8	59.2	59.8	60.4	61.6	62.2	61.0	61.0	62.2	63.4	64.0
15°	62.8	62.2	62.2	63.4	64.0	64.0	62.8	62.8	63.4	64.6	64.6
17.5°	76.1	74.9	74.3	74.9	74.3	74.9	74.3	75.5	75.5	74.9	74.3
20°	103.9	102.7	100.8	100.2	100.8	102.7	103.3	105.1	103.3	102.7	100.2
22.5°	147.3	145.5	144.3	144.3	146.1	147.3	146.7	149.2	147.9	147.3	144.9
25°	202.9	201.7	202.3	205.3	208.3	206.5	201.7	205.3	205.3	204.7	204.1
27.5°	272.3	268.1	269.9	277.8	280.2	275.4	269.9	274.2	276.0	276.6	276.6
30°	351.4	348.4	347.8	356.3	359.3	355.1	351.4	356.3	356.3	358.1	358.1
32.5°	437.2	435.4	432.4	437.2	442.0	440.8	440.8	444.4	443.2	445.0	445.7
35°	531.4	527.8	521.7	522.3	527.8	528.4	532.6	535.0	533.8	533.2	533.2
37.5°	620.2	615.3	609.9	606.9	613.5	612.9	622.6	622.6	620.2	620.8	620.8
40°	700.5	697.5	693.2	684.8	697.5	695.0	706.5	706.5	699.9	701.7	700.5
42.5°	772.3	772.3	767.5	754.8	768.1	765.7	780.8	780.8	771.7	771.1	769.3
45°	837.0	840.0	837.6	826.1	830.9	832.7	847.2	844.2	837.0	837.0	833.9
47.5°	906.4	909.4	901.0	888.9	894.3	897.3	910.6	909.4	905.2	899.8	899.8
50°	978.9	979.5	962.6	948.1	952.9	968.6	978.3	980.7	971.6	958.9	958.3
52.5°	1036.2	1039.9	1023.5	1007.8	1011.5	1029.6	1040.5	1041.1	1029.6	1011.5	1016.9
55°	1087.0	1090.6	1074.3	1060.4	1067.6	1077.3	1090.0	1082.7	1083.3	1064.0	1073.1
57.5°	1121.4	1133.4	1106.3	1103.3	1109.9	1121.4	1126.8	1125.0	1128.6	1110.5	1113.5
60°	1155.8	1161.2	1138.3	1142.5	1134.7	1155.2	1159.4	1163.6	1154.0	1141.3	1141.3
62.5°	1188.4	1175.1	1158.8	1169.1	1147.9	1173.9	1178.7	1183.6	1173.3	1161.2	1163.6
65°	1205.3	1181.2	1167.3	1179.9	1159.4	1183.0	1190.8	1192.6	1190.8	1179.3	1173.9
67.5°	1208.9	1183.6	1175.1	1185.4	1164.8	1190.8	1198.1	1201.7	1203.5	1195.0	1179.9
70°	1207.7	1180.6	1173.3	1183.0	1169.7	1193.8	1194.4	1199.9	1202.3	1205.9	1189.0
72.5°	1191.4	1167.9	1166.1	1174.5	1162.4	1178.1	1178.7	1185.4	1181.8	1193.2	1184.8
75°	1178.1	1162.4	1165.5	1163.6	1151.6	1160.6	1163.0	1170.9	1157.6	1168.5	1175.7
77.5°	1169.7	1161.2	1168.5	1158.8	1146.1	1152.2	1155.8	1164.8	1144.9	1154.0	1175.1
80°	1156.4	1154.0	1163.0	1148.5	1137.7	1143.1	1149.1	1157.0	1135.3	1141.3	1171.5
82.5°	1134.7	1136.5	1144.9	1128.0	1120.8	1126.8	1134.1	1146.1	1123.8	1127.4	1159.4
85°	1125.0	1132.8	1137.1	1120.2	1111.7	1115.3	1123.2	1135.9	1112.3	1117.7	1150.4
87.5°	1123.8	1133.4	1136.5	1122.0	1114.7	1120.2	1123.8	1141.9	1116.5	1123.2	1156.4
90°	1127.4	1131.0	1132.8	1120.2	1114.1	1122.6	1123.2	1145.5	1120.2	1122.0	1151.6
92.5°	1115.3	1115.9	1119.6	1108.1	1107.5	1113.5	1112.3	1131.0	1103.3	1099.0	1124.4
95°	1056.8	1051.9	1059.8	1053.7	1066.4	1075.5	1085.7	1109.3	1095.4	1099.0	1120.8
97.5°	994.6	995.8	998.2	988.5	986.7	990.3	994.6	1006.6	1002.4	1006.0	1026.6
100°	980.1	984.3	983.7	978.9	958.9	954.7	945.6	933.0	916.1	918.5	921.5
102.5°	987.3	998.8	1000.6	1007.2	1007.2	1004.2	1010.9	1005.4	1008.4	1026.0	1016.3
105°	961.3	974.6	983.1	990.3	1004.2	1015.7	1046.5	1065.2	1080.3	1101.4	1098.4
107.5°	929.9	936.6	942.6	942.6	939.0	937.2	954.1	957.1	952.9	958.3	958.9
110°	832.1	831.5	837.6	835.1	837.0	827.3	832.1	848.4	844.8	855.7	857.5



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 CATALOG NUMBER: FFX-CLB-60-730-U-PG

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	756.0	756.0	760.3	754.2	754.8	747.0	750.0	760.9	761.5	770.5	775.4
115°	692.0	690.8	696.9	692.0	686.6	684.8	687.8	694.4	696.3	702.3	712.0
117.5°	644.3	638.3	643.1	643.7	646.1	641.3	648.5	652.8	655.2	660.0	667.9
120°	605.1	599.0	600.8	606.9	614.1	603.9	611.7	615.3	617.1	619.0	622.6
122.5°	560.4	556.2	554.3	566.4	570.6	561.6	565.8	571.3	574.3	577.3	580.3
125°	515.1	511.5	509.7	520.5	524.8	517.5	523.5	531.4	530.2	536.8	530.8
127.5°	474.0	472.8	470.4	475.8	478.9	478.3	483.7	493.4	489.1	495.2	488.5
130°	425.1	429.9	426.3	433.0	433.6	438.4	440.2	449.3	445.0	446.3	442.0
132.5°	385.3	387.1	385.3	387.7	389.5	389.5	394.3	404.0	397.3	396.7	393.1
135°	344.8	345.4	343.0	346.6	347.8	344.8	349.6	356.9	353.3	351.4	351.4
137.5°	305.0	304.3	305.0	306.2	307.4	306.8	309.2	314.6	313.4	311.0	314.0
140°	271.1	269.3	269.9	270.5	269.9	269.9	272.3	277.2	277.2	274.2	277.2
142.5°	237.3	236.7	236.7	236.7	236.7	237.9	240.3	241.5	242.8	240.3	239.7
145°	208.9	208.3	207.7	207.7	207.7	208.3	210.7	210.1	212.6	210.1	208.3
147.5°	183.6	184.2	183.0	182.4	181.8	183.6	184.2	185.4	186.6	185.4	183.6
150°	163.0	162.4	162.4	161.2	161.2	163.0	162.4	163.6	164.9	164.3	163.6
152.5°	144.9	144.9	144.9	143.7	144.3	145.5	145.5	145.5	146.7	146.7	146.1
155°	130.4	130.4	130.4	129.8	129.8	131.0	131.0	131.0	131.6	131.6	131.6
157.5°	119.6	119.6	119.0	119.0	119.0	119.6	119.0	119.0	119.6	119.6	119.6
160°	111.1	111.1	110.5	110.5	109.9	110.5	109.9	109.9	110.5	110.5	110.5
162.5°	104.5	104.5	103.9	103.9	103.9	103.9	103.9	103.3	103.3	103.9	103.3
165°	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.0	99.0	99.0	99.0
167.5°	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
170°	94.8	94.8	94.8	95.4	95.4	95.4	94.8	94.8	95.4	95.4	94.8
172.5°	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
175°	94.2	94.2	94.2	94.2	94.2	94.2	93.6	94.2	94.2	94.2	94.2
177.5°	94.2	93.6	93.6	94.2	94.2	93.6	93.6	93.6	93.6	93.6	93.6
180°	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2



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  
 R2: 82.2  
 R3: 93.9  
 R4: 67.6  
 R5: 67.2  
 R6: 75.3  
 R7: 77.6  
 R8: 43.1  
 R9: -33.7  
 R10: 59.0  
 R11: 62.4  
 R12: 48.5  
 R13: 70.8  
 R14: 96.6  
 R15: 60.0



**Test Conditions**  
 Stabilization Time: 0.794393M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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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**

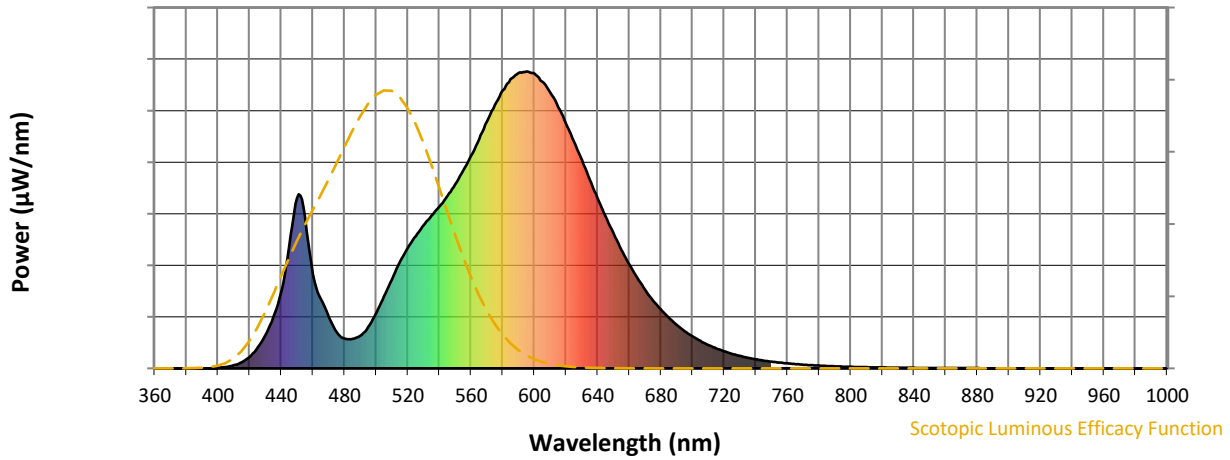


**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /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 <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

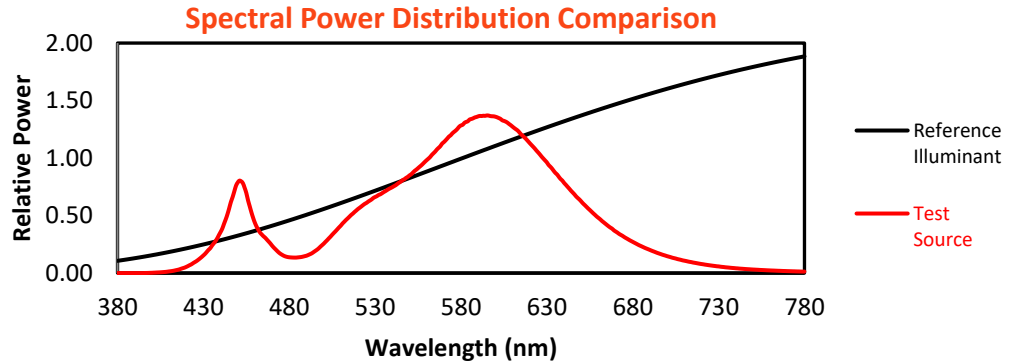
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	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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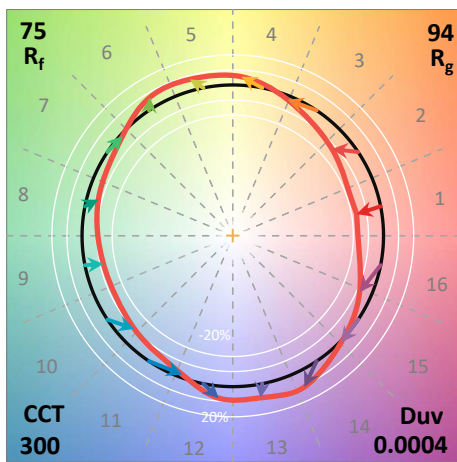
TM-30-18

**Summary**

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



**Color Vector Graphics**





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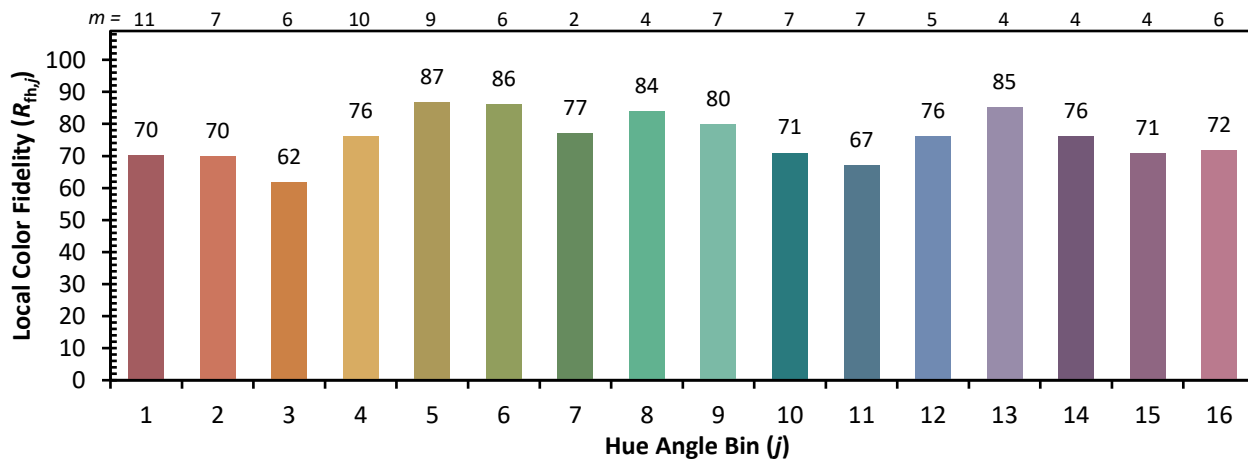
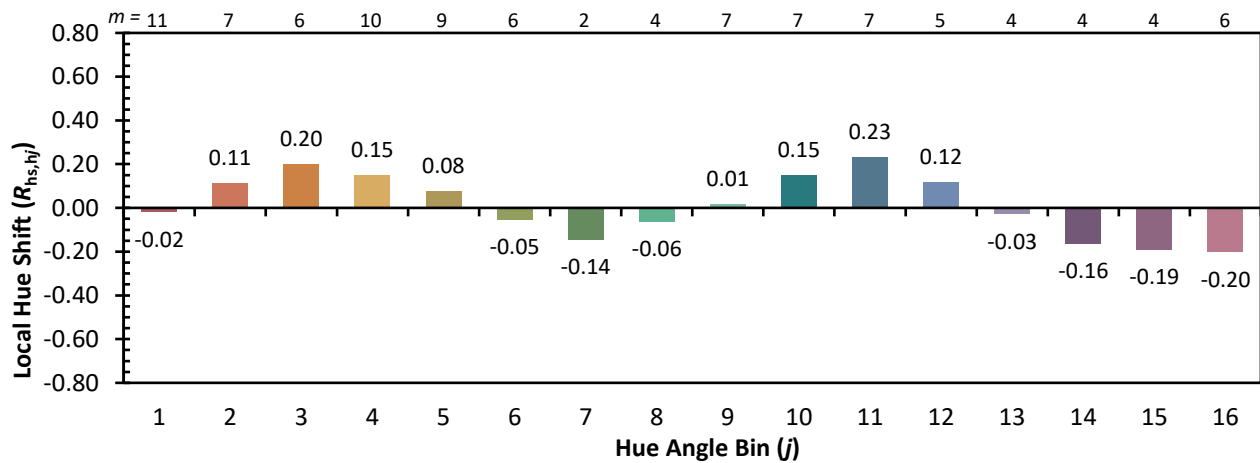
TM-30-18

**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	



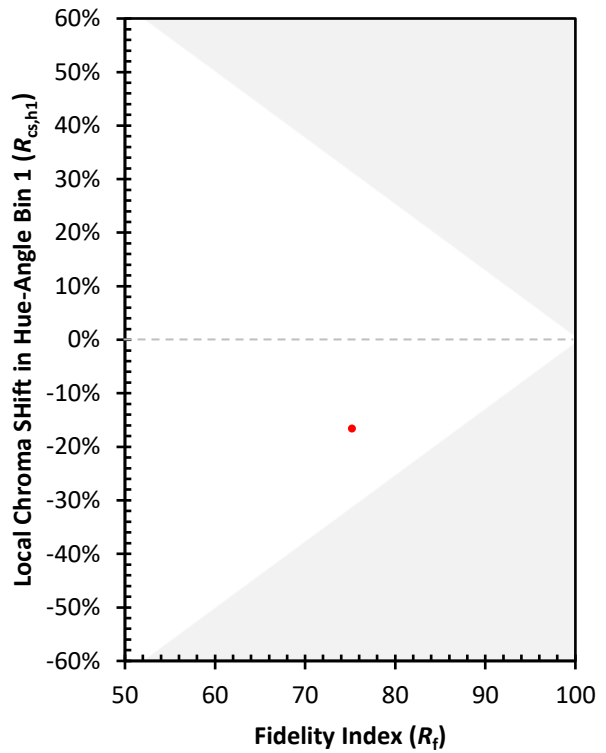
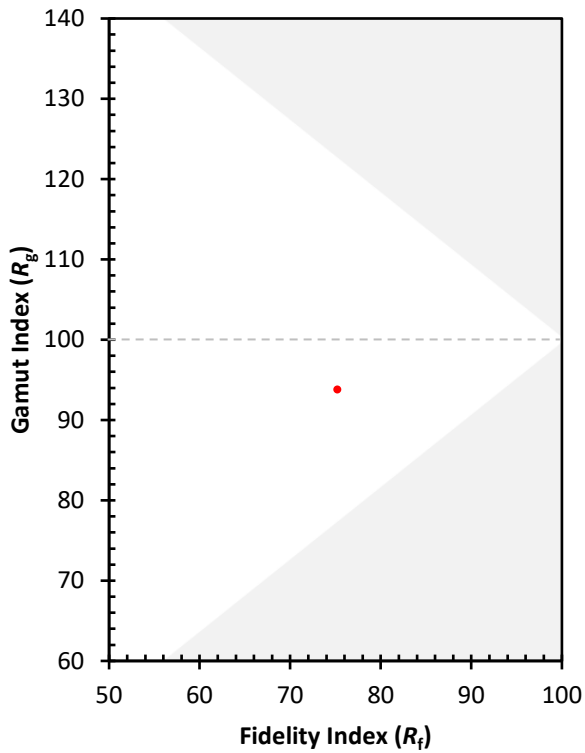
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)