

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: P856239

Luminaire Tested: **FFX-CLB-70-722-U-PG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856239
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-70-722-U-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

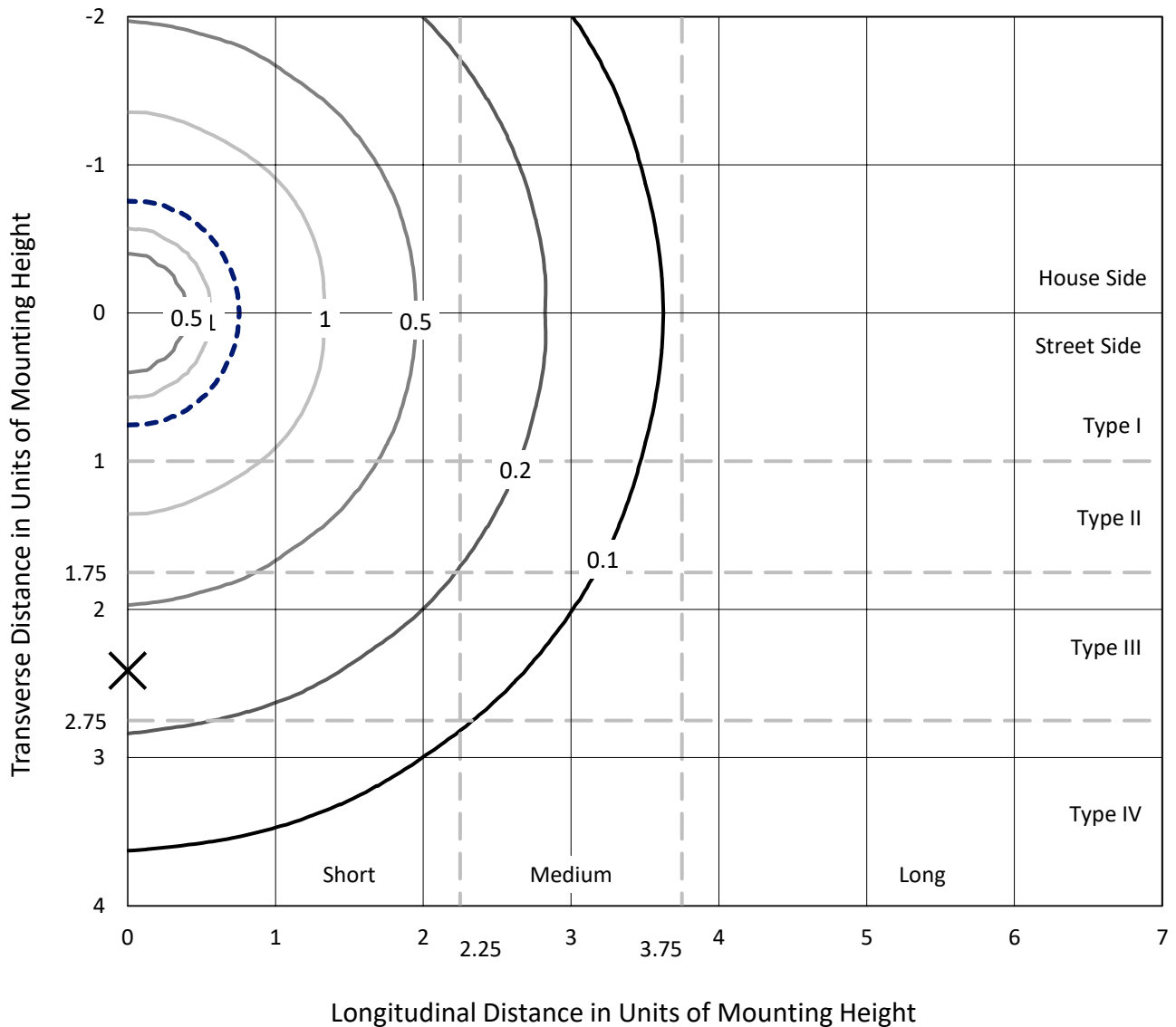
Lumens per Lamp: N/A
Luminaire Lumens: 9729.7 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

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

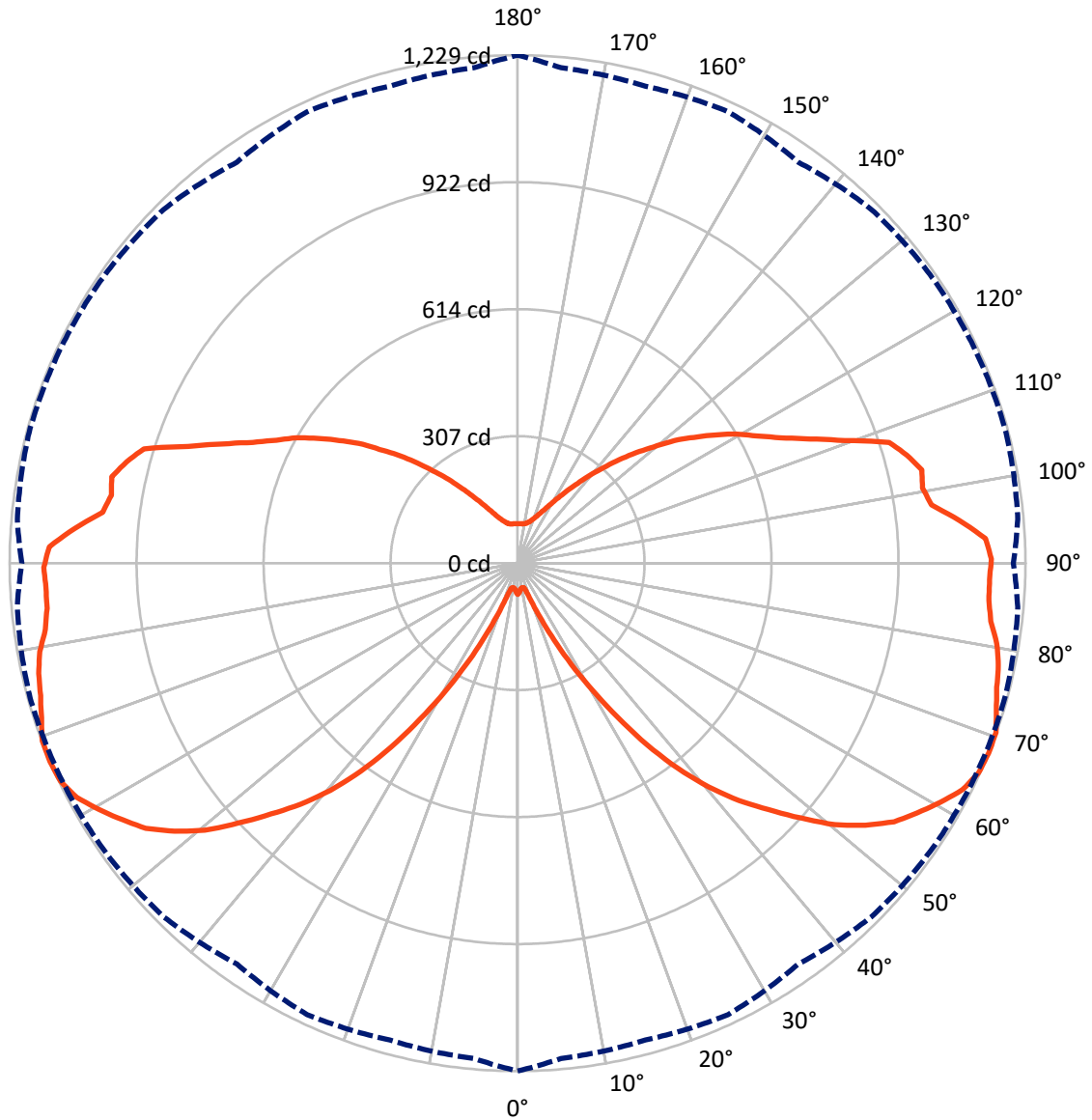
× Max cd
 - - - 1/2 Max cd



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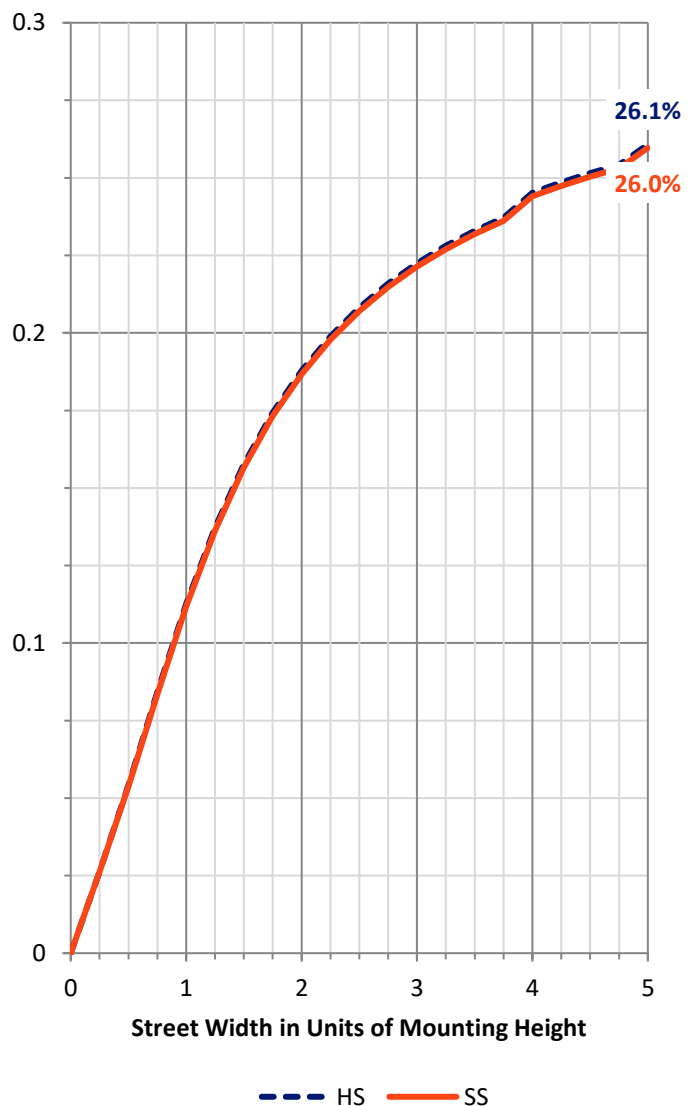
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2902.6	1962.3	4864.8
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	2902.6	1962.3	4864.8
	% Fixture	29.8	20.2	50.0
Total	Lumens	5805.2	3924.5	9729.7
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	20.8	0.2
20°-30°	103.9	1.1
30°-40°	341.4	3.5
40°-50°	660.3	6.8
50°-60°	977.1	10.0
60°-70°	1188.0	12.2
70°-80°	1254.2	12.9
80°-90°	1253.2	12.9
90°-100°	1172.3	12.0
100°-110°	1042.9	10.7
110°-120°	713.3	7.3
120°-130°	479.1	4.9
130°-140°	278.2	2.9
140°-150°	137.0	1.4
150°-160°	63.3	0.7
160°-170°	29.2	0.3
170°-180°	9.1	0.1
0°-90°	5805.2	59.7
0°-180°	9729.7	100.0

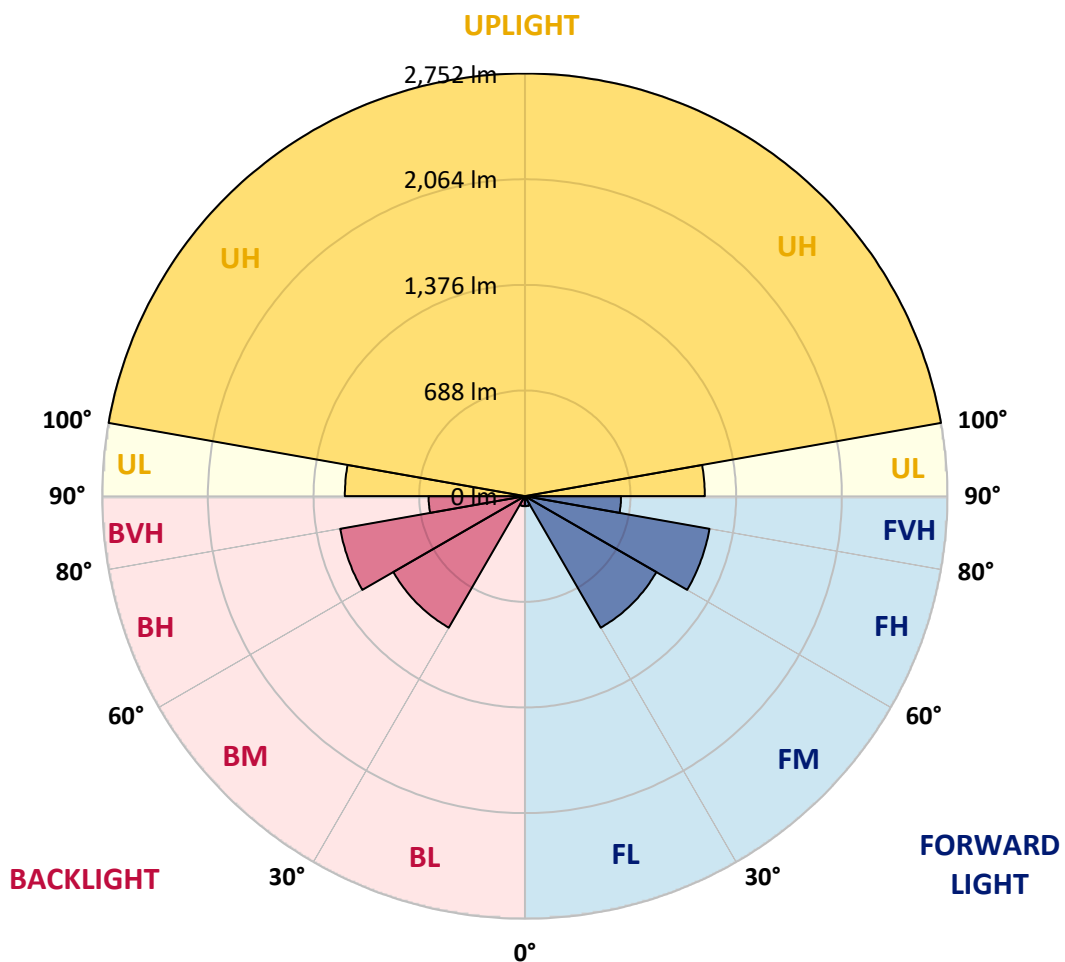


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	65.5	0.7			
FM (30°-60°)	989.4	10.2			
FH (60°-80°)	1221.1	12.5			G1/1800
FVH (80°-90°)	626.6	6.4			G4/750
BL (0°-30°)	65.5	0.7	B0/110		
BM (30°-60°)	989.4	10.2	B1/1000		
BH (60°-80°)	1221.1	12.5	B3/2500		G1/1800
BVH (80°-90°)	626.6	6.4			G4/750
UL (90°-100°)	1172.3	12.0		U5	
UH (100°-180°)	2752.2	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°	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2.5°	72.4	71.8	71.2	70.6	71.2	71.8	73.0	73.6	73.6	73.6	73.6
5°	65.7	66.3	66.9	67.5	67.5	67.5	67.5	68.1	68.7	68.7	68.7
7.5°	62.0	62.0	62.6	64.4	65.1	64.4	64.4	65.1	63.2	61.4	60.8
10°	60.1	60.1	60.8	61.4	62.0	63.2	63.8	63.8	63.8	63.8	63.2
12.5°	60.8	60.1	60.8	61.4	62.6	63.2	62.0	62.0	63.2	64.4	65.1
15°	63.8	63.2	63.2	64.4	65.1	65.1	63.8	63.8	64.4	65.7	65.7
17.5°	77.3	76.1	75.5	76.1	75.5	76.1	75.5	76.7	76.7	76.1	75.5
20°	105.6	104.3	102.5	101.9	102.5	104.3	105.0	106.8	105.0	104.3	101.9
22.5°	149.8	147.9	146.7	146.7	148.5	149.8	149.1	151.6	150.4	149.8	147.3
25°	206.2	205.0	205.6	208.7	211.7	209.9	205.0	208.7	208.7	208.1	207.4
27.5°	276.8	272.5	274.3	282.3	284.8	279.9	274.3	278.6	280.5	281.1	281.1
30°	357.2	354.1	353.5	362.1	365.2	360.9	357.2	362.1	362.1	363.9	363.9
32.5°	444.4	442.5	439.4	444.4	449.3	448.0	448.0	451.7	450.5	452.3	452.9
35°	540.1	536.4	530.3	530.9	536.4	537.0	541.3	543.8	542.5	541.9	541.9
37.5°	630.3	625.4	619.9	616.8	623.6	622.9	632.8	632.8	630.3	630.9	630.9
40°	711.9	708.9	704.6	696.0	708.9	706.4	718.1	718.1	711.3	713.2	711.9
42.5°	785.0	785.0	780.1	767.2	780.7	778.2	793.6	793.6	784.4	783.8	781.9
45°	850.6	853.7	851.3	839.6	844.5	846.4	861.1	858.0	850.6	850.6	847.6
47.5°	921.2	924.3	915.7	903.4	909.0	912.0	925.5	924.3	920.0	914.5	914.5
50°	994.9	995.5	978.3	963.6	968.5	984.4	994.3	996.7	987.5	974.6	974.0
52.5°	1053.2	1056.9	1040.3	1024.3	1028.0	1046.4	1057.5	1058.1	1046.4	1028.0	1033.5
55°	1104.7	1108.4	1091.8	1077.7	1085.1	1094.9	1107.8	1100.4	1101.1	1081.4	1090.6
57.5°	1139.7	1152.0	1124.4	1121.3	1128.1	1139.7	1145.2	1143.4	1147.1	1128.7	1131.7
60°	1174.7	1180.2	1156.9	1161.2	1153.2	1174.1	1178.4	1182.7	1172.9	1160.0	1160.0
62.5°	1207.8	1194.3	1177.8	1188.2	1166.7	1193.1	1198.0	1202.9	1192.5	1180.2	1182.7
65°	1225.0	1200.5	1186.4	1199.3	1178.4	1202.3	1210.3	1212.1	1210.3	1198.6	1193.1
67.5°	1228.7	1202.9	1194.3	1204.8	1183.9	1210.3	1217.7	1221.3	1223.2	1214.6	1199.3
70°	1227.5	1199.9	1192.5	1202.3	1188.8	1213.4	1214.0	1219.5	1222.0	1225.6	1208.5
72.5°	1210.9	1187.0	1185.1	1193.7	1181.5	1197.4	1198.0	1204.8	1201.1	1212.8	1204.2
75°	1197.4	1181.5	1184.5	1182.7	1170.4	1179.6	1182.1	1190.0	1176.5	1187.6	1195.0
77.5°	1188.8	1180.2	1187.6	1177.8	1164.9	1171.0	1174.7	1183.9	1163.7	1172.9	1194.3
80°	1175.3	1172.9	1182.1	1167.3	1156.3	1161.8	1168.0	1175.9	1153.8	1160.0	1190.7
82.5°	1153.2	1155.1	1163.7	1146.5	1139.1	1145.2	1152.6	1164.9	1142.2	1145.9	1178.4
85°	1143.4	1151.4	1155.7	1138.5	1129.9	1133.6	1141.6	1154.5	1130.5	1136.0	1169.2
87.5°	1142.2	1152.0	1155.1	1140.3	1133.0	1138.5	1142.2	1160.6	1134.8	1141.6	1175.3
90°	1145.9	1149.5	1151.4	1138.5	1132.4	1140.9	1141.6	1164.3	1138.5	1140.3	1170.4
92.5°	1133.6	1134.2	1137.9	1126.2	1125.6	1131.7	1130.5	1149.5	1121.3	1117.0	1142.8
95°	1074.1	1069.1	1077.1	1071.0	1083.9	1093.1	1103.5	1127.4	1113.3	1117.0	1139.1
97.5°	1010.8	1012.1	1014.5	1004.7	1002.9	1006.5	1010.8	1023.1	1018.8	1022.5	1043.4
100°	996.1	1000.4	999.8	994.9	974.6	970.3	961.1	948.2	931.0	933.5	936.6
102.5°	1003.5	1015.1	1017.0	1023.7	1023.7	1020.7	1027.4	1021.9	1025.0	1042.8	1032.9
105°	977.1	990.6	999.2	1006.5	1020.7	1032.3	1063.6	1082.6	1098.0	1119.5	1116.4
107.5°	945.2	951.9	958.1	958.1	954.4	952.5	969.7	972.8	968.5	974.0	974.6
110°	845.7	845.1	851.3	848.8	850.6	840.8	845.7	862.3	858.6	869.7	871.5



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 CATALOG NUMBER: FFX-CLB-70-722-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	768.4	768.4	772.7	766.6	767.2	759.2	762.3	773.3	773.9	783.1	788.0
115°	703.4	702.1	708.3	703.4	697.8	696.0	699.1	705.8	707.6	713.8	723.6
117.5°	654.9	648.7	653.6	654.3	656.7	651.8	659.2	663.5	665.9	670.8	678.8
120°	615.0	608.8	610.7	616.8	624.2	613.7	621.7	625.4	627.2	629.1	632.8
122.5°	569.6	565.3	563.4	575.7	580.0	570.8	575.1	580.6	583.7	586.7	589.8
125°	523.5	519.8	518.0	529.0	533.3	526.0	532.1	540.1	538.9	545.6	539.5
127.5°	481.8	480.6	478.1	483.6	486.7	486.1	491.6	501.4	497.1	503.3	496.5
130°	432.1	437.0	433.3	440.1	440.7	445.6	447.4	456.6	452.3	453.6	449.3
132.5°	391.6	393.4	391.6	394.0	395.9	395.9	400.8	410.6	403.8	403.2	399.5
135°	350.4	351.1	348.6	352.3	353.5	350.4	355.4	362.7	359.0	357.2	357.2
137.5°	309.9	309.3	309.9	311.2	312.4	311.8	314.2	319.8	318.5	316.1	319.1
140°	275.6	273.7	274.3	275.0	274.3	274.3	276.8	281.7	281.7	278.6	281.7
142.5°	241.2	240.6	240.6	240.6	240.6	241.8	244.3	245.5	246.7	244.3	243.7
145°	212.4	211.7	211.1	211.1	211.1	211.7	214.2	213.6	216.0	213.6	211.7
147.5°	186.6	187.2	186.0	185.4	184.7	186.6	187.2	188.4	189.6	188.4	186.6
150°	165.7	165.1	165.1	163.9	163.9	165.7	165.1	166.3	167.6	166.9	166.3
152.5°	147.3	147.3	147.3	146.1	146.7	147.9	147.9	147.9	149.1	149.1	148.5
155°	132.6	132.6	132.6	132.0	132.0	133.2	133.2	133.2	133.8	133.8	133.8
157.5°	121.5	121.5	120.9	120.9	120.9	121.5	120.9	120.9	121.5	121.5	121.5
160°	112.9	112.9	112.3	112.3	111.7	112.3	111.7	111.7	112.3	112.3	112.3
162.5°	106.2	106.2	105.6	105.6	105.6	105.6	105.6	105.0	105.0	105.6	105.0
165°	101.3	101.3	101.3	101.3	101.3	101.3	101.3	100.7	100.7	100.7	100.7
167.5°	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
170°	96.4	96.4	96.4	97.0	97.0	97.0	96.4	96.4	97.0	97.0	96.4
172.5°	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
175°	95.7	95.7	95.7	95.7	95.7	95.7	95.1	95.7	95.7	95.7	95.7
177.5°	95.7	95.1	95.1	95.7	95.7	95.1	95.1	95.1	95.1	95.1	95.1
180°	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-2

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5.

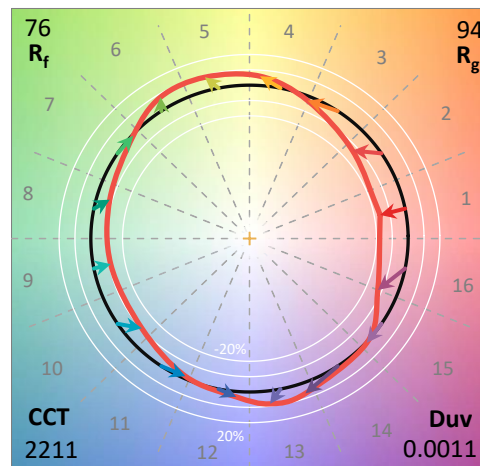
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-2
 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-100-722-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 2211
 CIE u': 0.2892
 CIE v': 0.5376
 Duv: 0.0011
 CIE x: 0.5069
 CIE y: 0.4188
 CIE z: 0.0743
 Peak Wavelength (nm): 606
 Dominant Wavelength (nm): 586
 Purity: 77.8805
 Rf: 76.1
 Rg: 94.3

CRI (Ra):	71.4		
R1:	68.2	R9:	-29.2
R2:	85.0	R10:	67.8
R3:	94.0	R11:	60.7
R4:	65.1	R12:	59.0
R5:	66.6	R13:	71.3
R6:	81.8	R14:	97.6
R7:	73.4	R15:	58.9
R8:	37.3		



Test Conditions

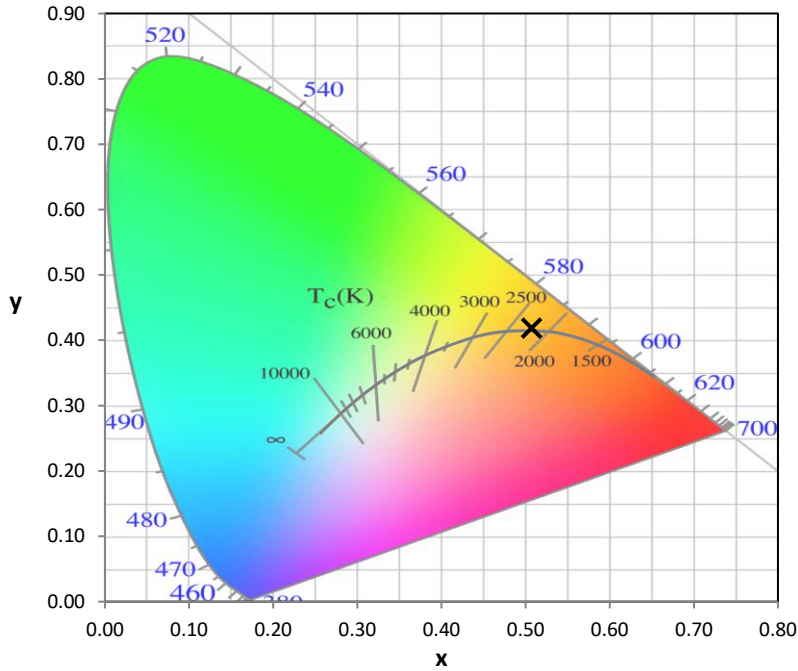
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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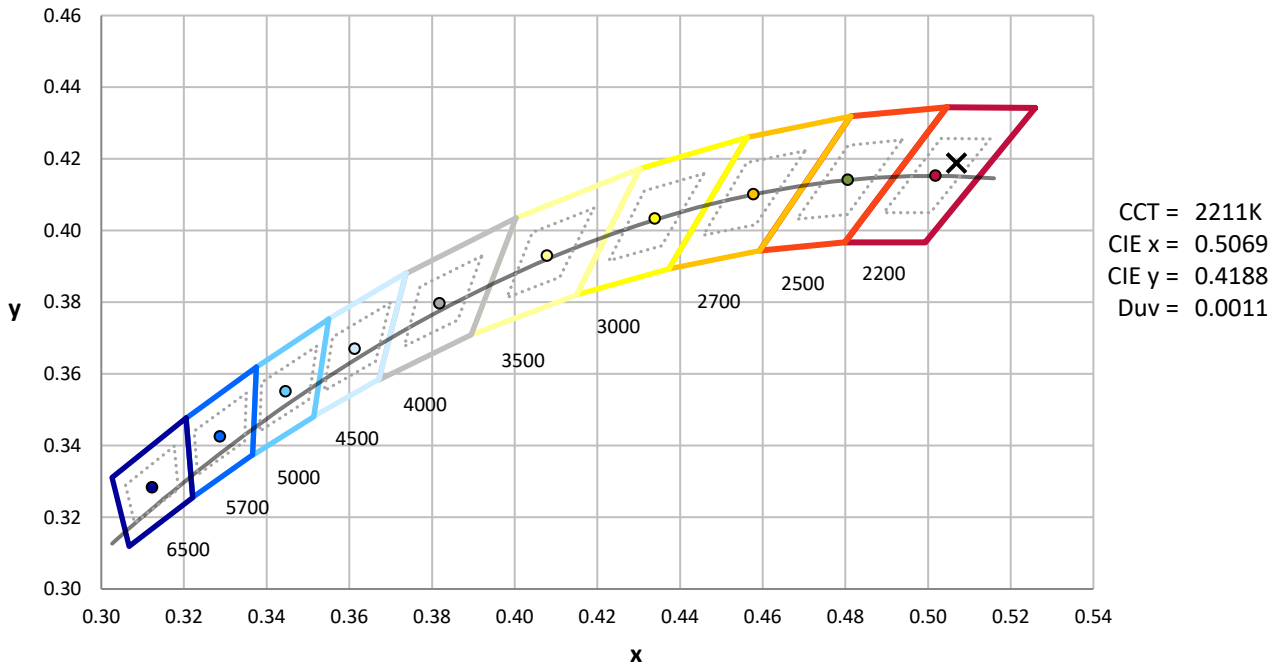
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



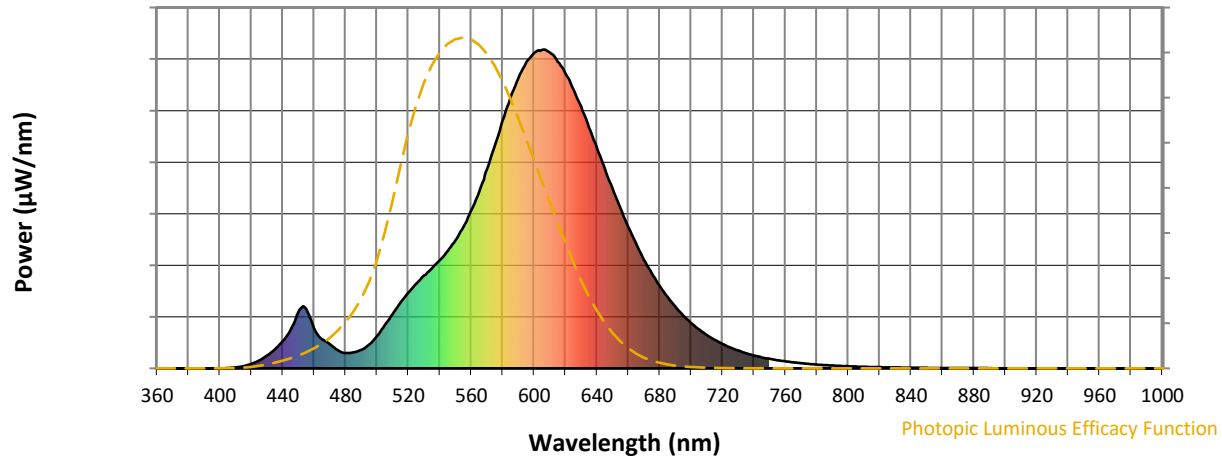
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

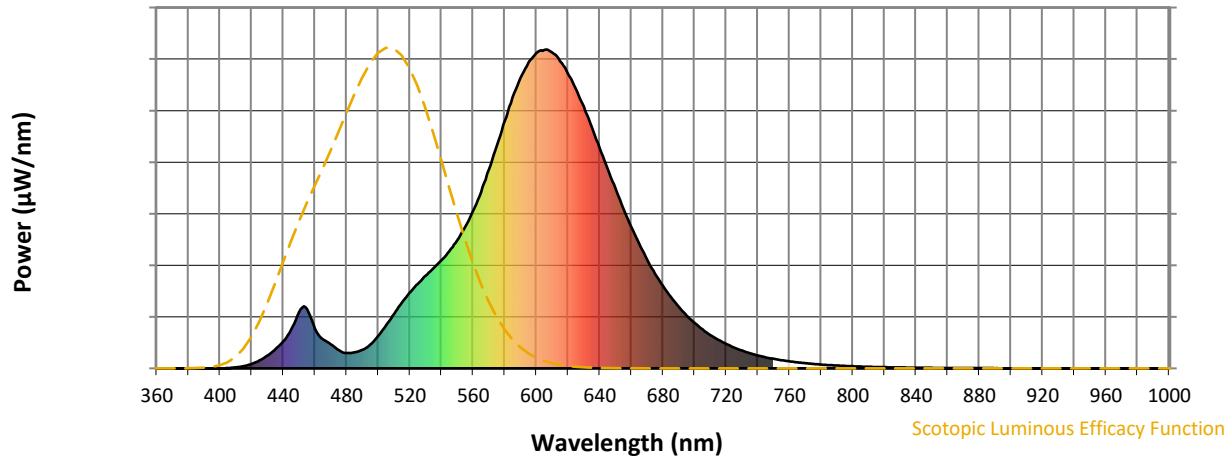


Photopic Lumens: NR

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



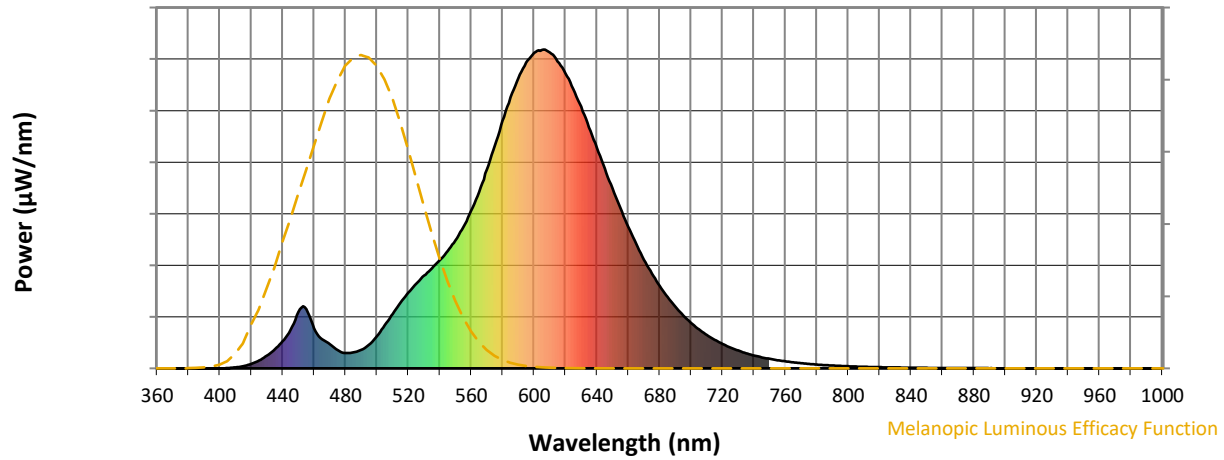
Scotopic Lumens: NR

S/P: 0.87

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.42

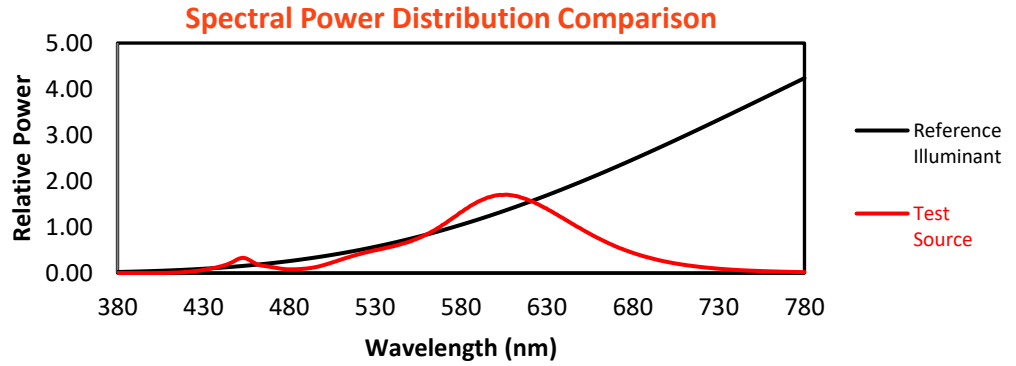
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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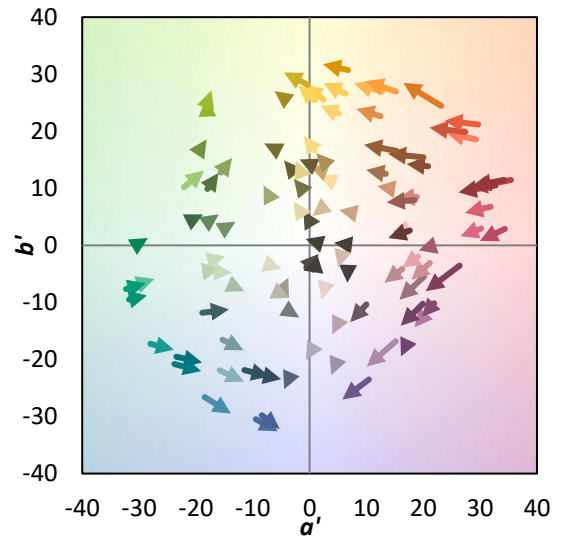
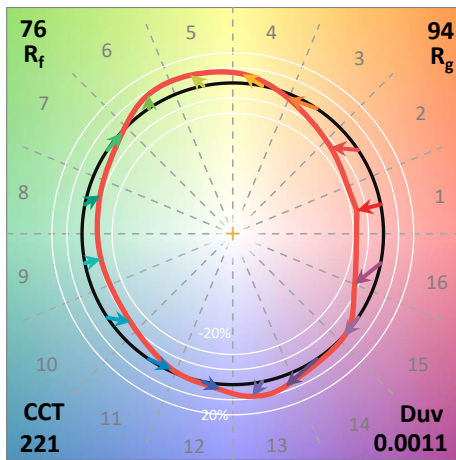
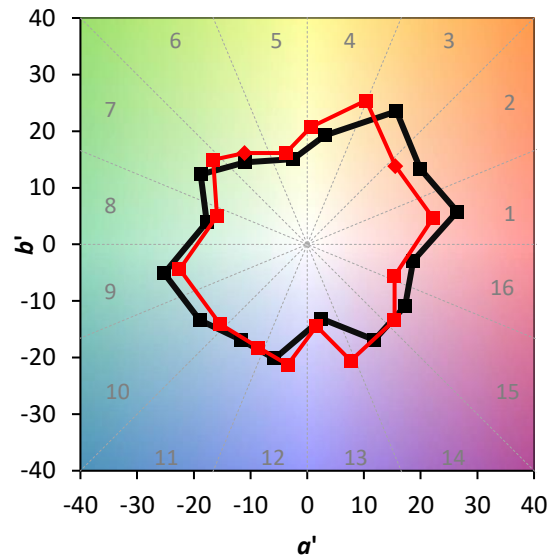
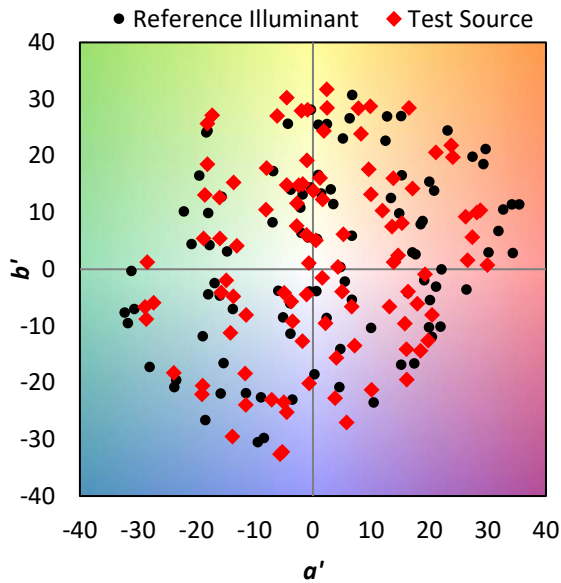
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Summary

$R_f = 76.1$
 $R_g = 94.3$
 CIE $R_a = 71.4$
 $R_9 = -29.2$



Color Vector Graphics

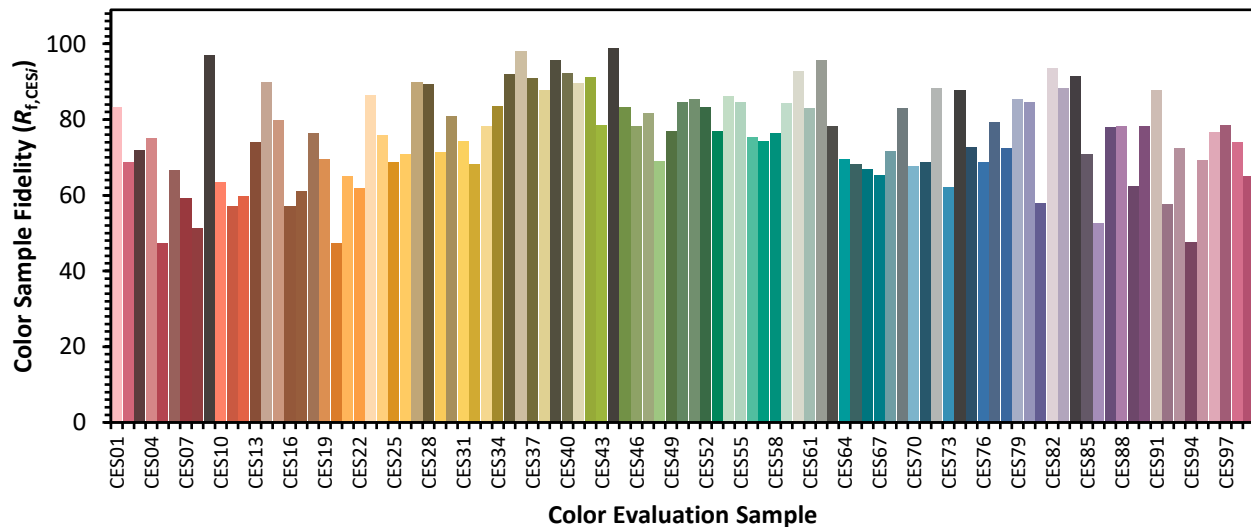


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Individual Sample Fidelity Index ($R_{f,i}$)

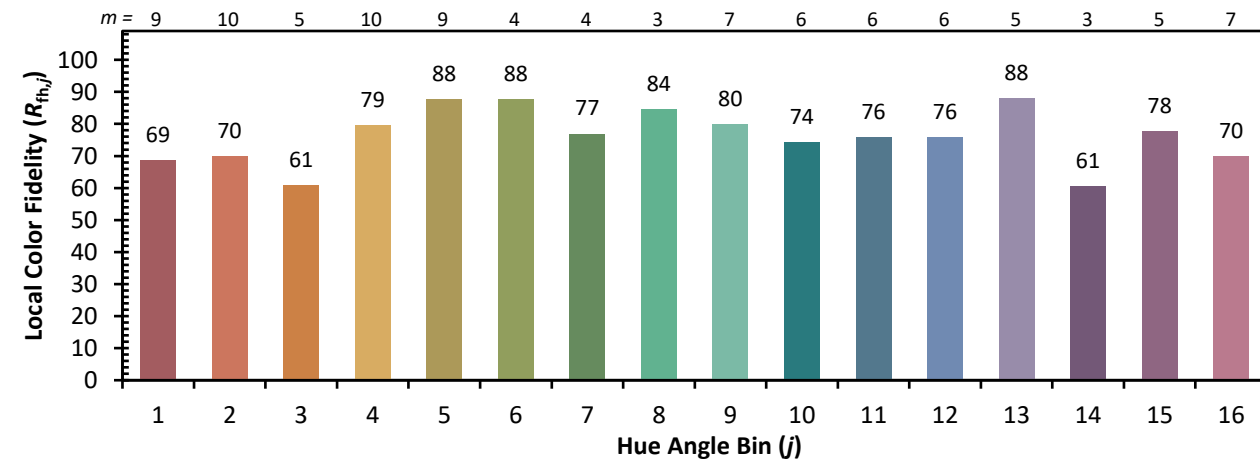
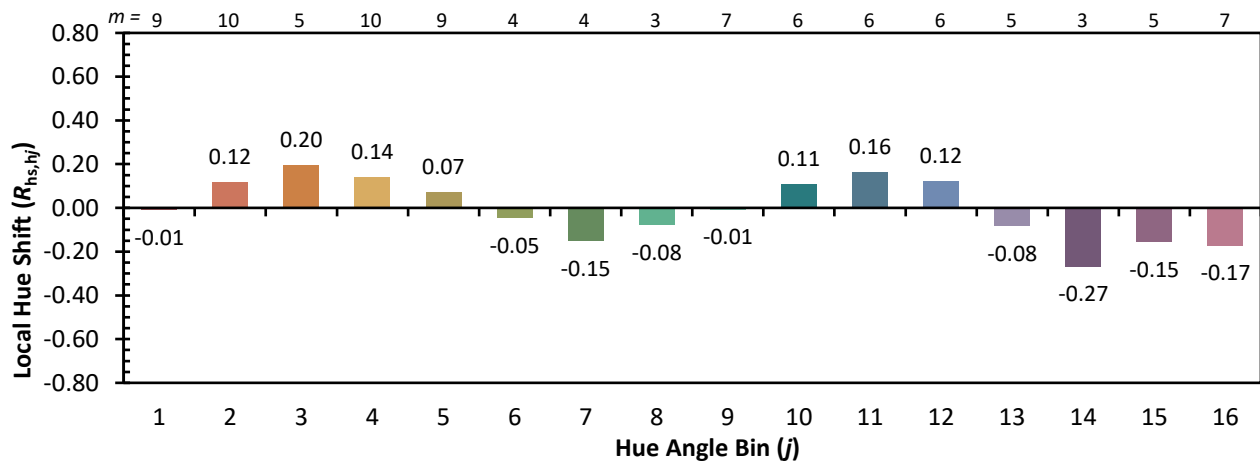
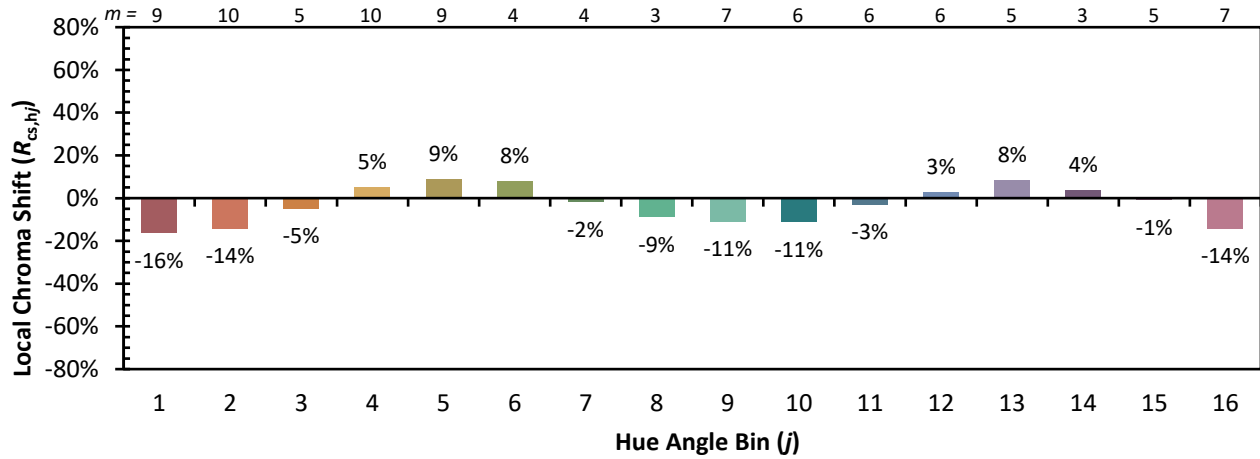
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CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 93
CES08 = 42	CES33 = 78	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 84	CES59 = 84	CES84 = 92
CES10 = 79	CES35 = 92	CES60 = 93	CES85 = 71
CES11 = 62	CES36 = 98	CES61 = 83	CES86 = 53
CES12 = 68	CES37 = 91	CES62 = 96	CES87 = 78
CES13 = 45	CES38 = 88	CES63 = 78	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 69	CES89 = 63
CES15 = 72	CES40 = 92	CES65 = 68	CES90 = 78
CES16 = 49	CES41 = 90	CES66 = 67	CES91 = 88
CES17 = 51	CES42 = 91	CES67 = 65	CES92 = 58
CES18 = 57	CES43 = 79	CES68 = 72	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 68	CES45 = 83	CES70 = 68	CES95 = 69
CES21 = 88	CES46 = 78	CES71 = 69	CES96 = 77
CES22 = 81	CES47 = 82	CES72 = 88	CES97 = 79
CES23 = 92	CES48 = 69	CES73 = 62	CES98 = 74
CES24 = 92	CES49 = 77	CES74 = 88	CES99 = 65
CES25 = 74	CES50 = 85	CES75 = 73	



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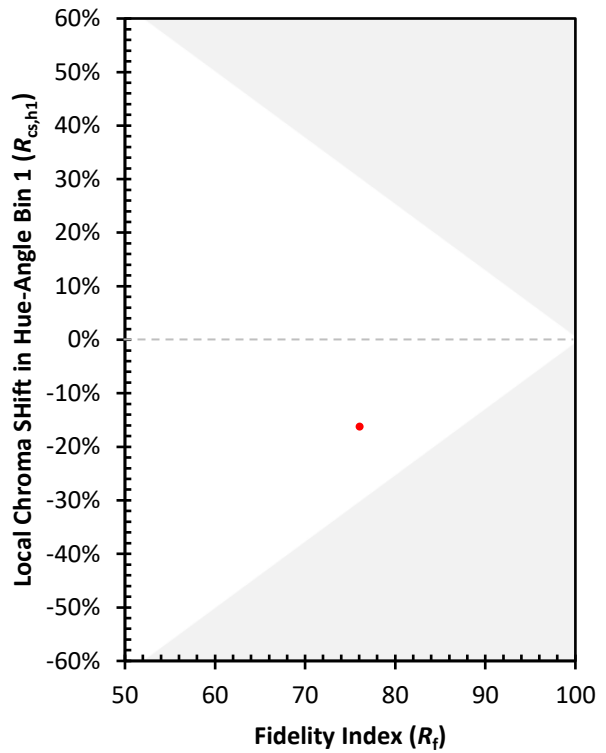
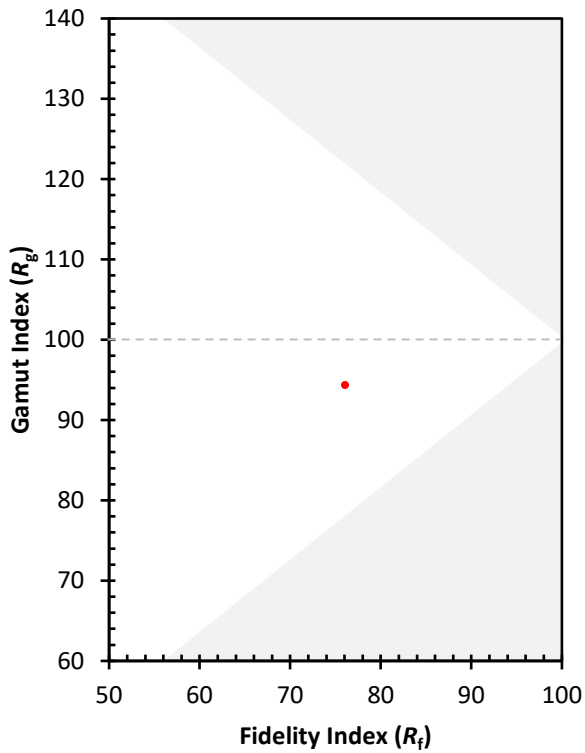
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)