

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: P856240

Luminaire Tested: **FFX-CLB-60-722-U-PG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856240
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-60-722-U-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

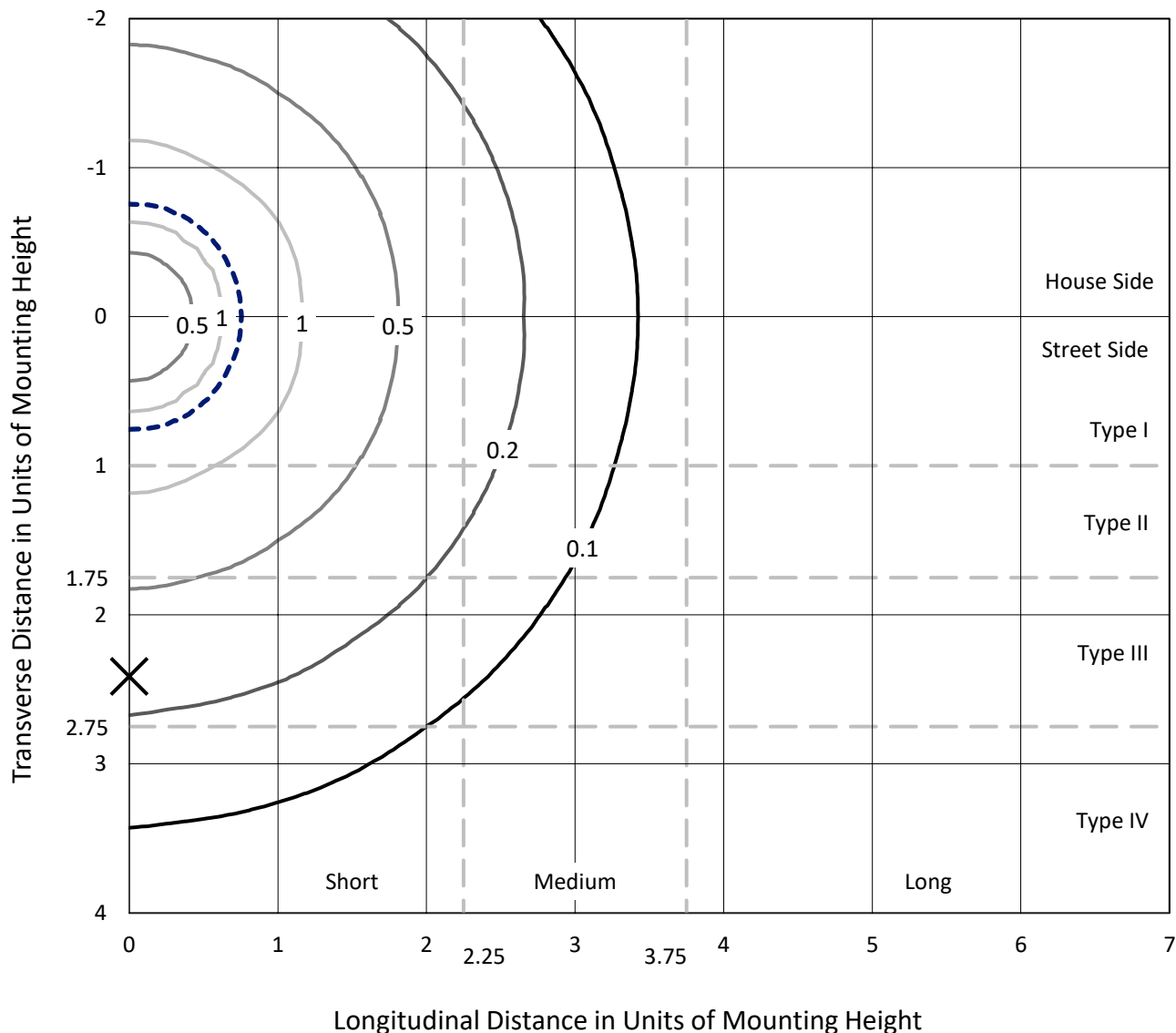
Lumens per Lamp: N/A
Luminaire Lumens: 8267.6 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

Input Watts (W): 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

REPORT NUMBER: P856240
 CATALOG NUMBER: FFX-CLB-60-722-U-PG

Iso-Footcandle Lines of Horizontal Illumination

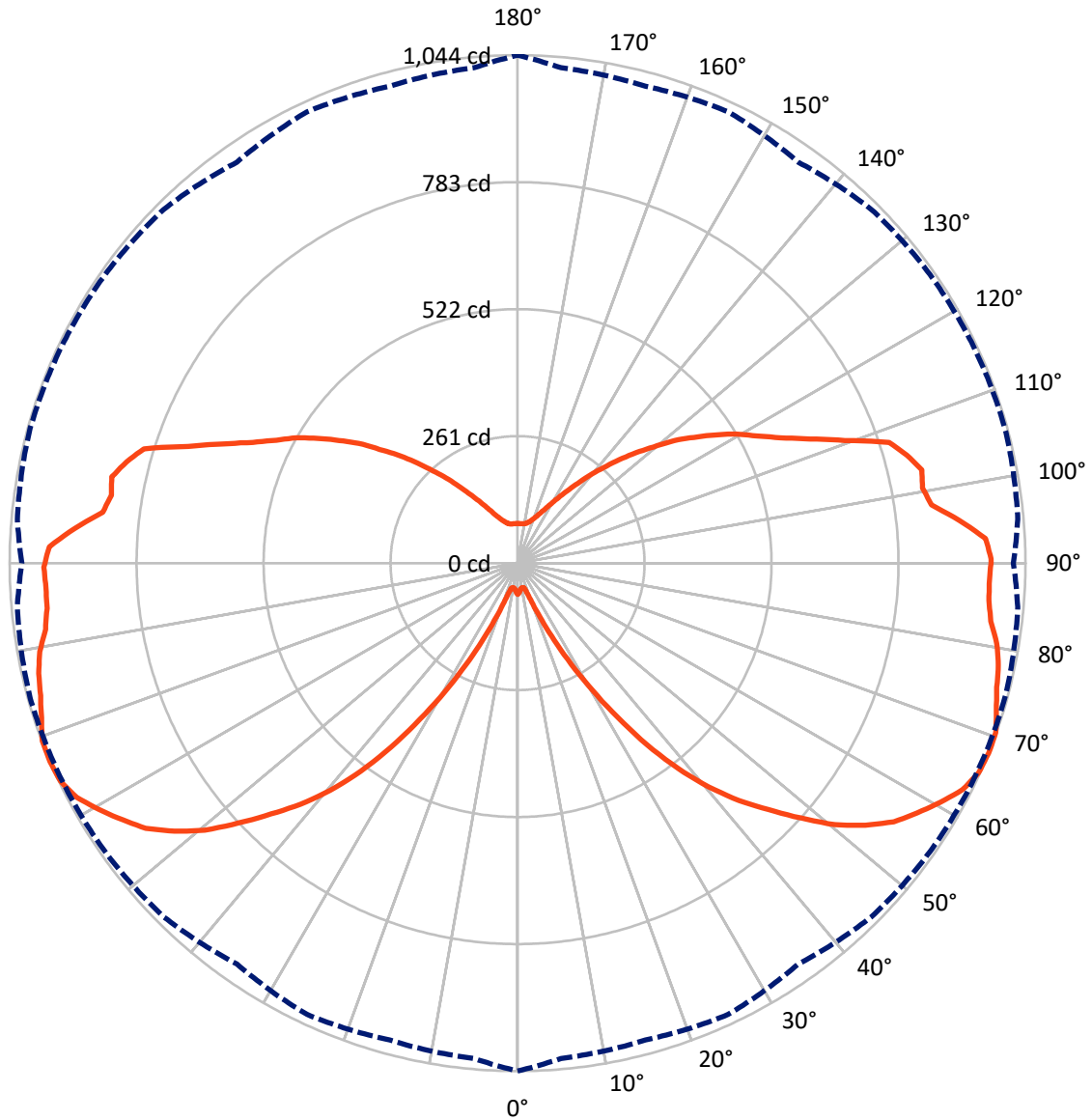
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 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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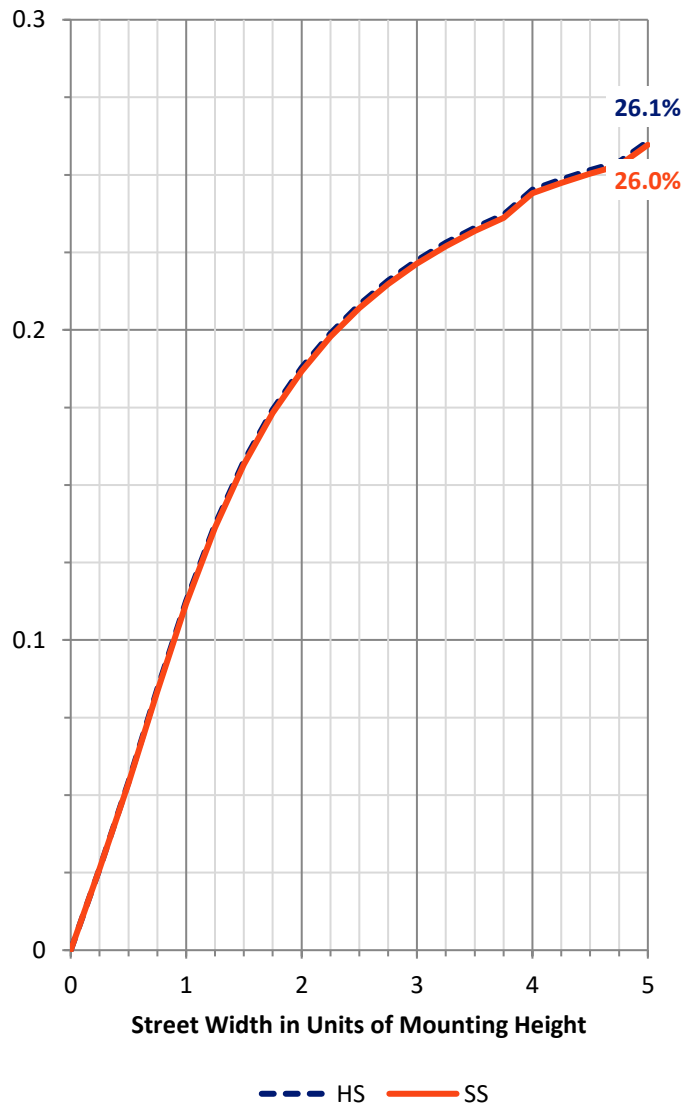
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2466.4	1667.4	4133.8
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	2466.4	1667.4	4133.8
	% Fixture	29.8	20.2	50.0
Total	Lumens	4932.8	3334.8	8267.6
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	17.7	0.2
20°-30°	88.3	1.1
30°-40°	290.1	3.5
40°-50°	561.1	6.8
50°-60°	830.3	10.0
60°-70°	1009.5	12.2
70°-80°	1065.7	12.9
80°-90°	1064.9	12.9
90°-100°	996.2	12.0
100°-110°	886.2	10.7
110°-120°	606.1	7.3
120°-130°	407.1	4.9
130°-140°	236.4	2.9
140°-150°	116.4	1.4
150°-160°	53.8	0.7
160°-170°	24.8	0.3
170°-180°	7.8	0.1
0°-90°	4932.8	59.7
0°-180°	8267.6	100.0



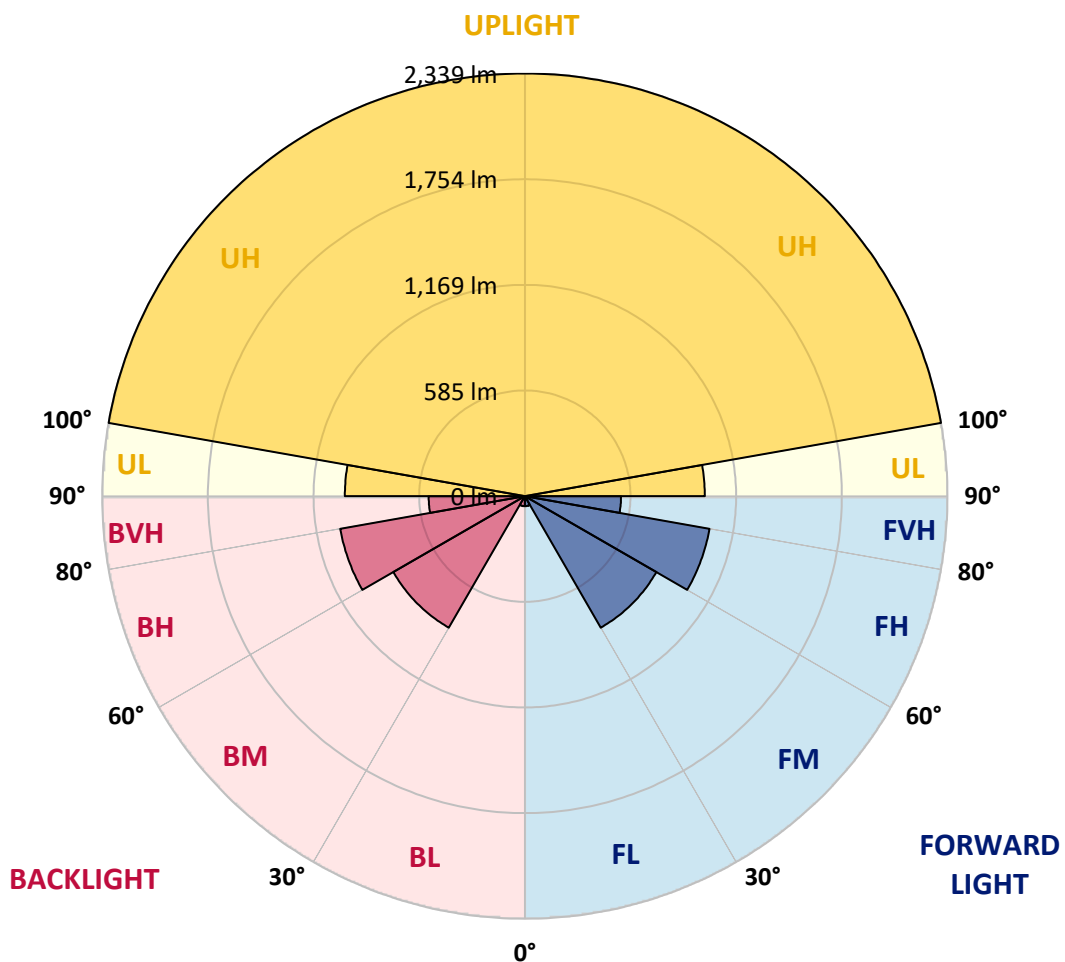
REPORT NUMBER: P856240
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	55.6	0.7			
FM (30°-60°)	840.8	10.2			
FH (60°-80°)	1037.6	12.5			G1/1800
FVH (80°-90°)	532.4	6.4			G4/750
BL (0°-30°)	55.6	0.7	B0/110		
BM (30°-60°)	840.8	10.2	B1/1000		
BH (60°-80°)	1037.6	12.5	B3/2500		G1/1800
BVH (80°-90°)	532.4	6.4			G4/750
UL (90°-100°)	996.2	12.0		U4/1000	
UH (100°-180°)	2338.6	28.3		U5	

BUG Rating: B3-U5-G4

Type V Short





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CATALOG NUMBER: FFX-CLB-60-722-U-PG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
2.5°	61.5	61.0	60.5	60.0	60.5	61.0	62.1	62.6	62.6	62.6	62.6
5°	55.8	56.3	56.8	57.4	57.4	57.4	57.4	57.9	58.4	58.4	58.4
7.5°	52.7	52.7	53.2	54.8	55.3	54.8	54.8	55.3	53.7	52.2	51.6
10°	51.1	51.1	51.6	52.2	52.7	53.7	54.2	54.2	54.2	54.2	53.7
12.5°	51.6	51.1	51.6	52.2	53.2	53.7	52.7	52.7	53.7	54.8	55.3
15°	54.2	53.7	53.7	54.8	55.3	55.3	54.2	54.2	54.8	55.8	55.8
17.5°	65.7	64.7	64.1	64.7	64.1	64.7	64.1	65.2	65.2	64.7	64.1
20°	89.7	88.7	87.1	86.6	87.1	88.7	89.2	90.7	89.2	88.7	86.6
22.5°	127.3	125.7	124.6	124.6	126.2	127.3	126.7	128.8	127.8	127.3	125.2
25°	175.2	174.2	174.7	177.3	179.9	178.4	174.2	177.3	177.3	176.8	176.3
27.5°	235.2	231.6	233.1	239.9	242.0	237.8	233.1	236.8	238.3	238.9	238.9
30°	303.5	300.9	300.4	307.7	310.3	306.7	303.5	307.7	307.7	309.3	309.3
32.5°	377.6	376.0	373.4	377.6	381.8	380.7	380.7	383.8	382.8	384.4	384.9
35°	458.9	455.8	450.6	451.1	455.8	456.3	460.0	462.1	461.0	460.5	460.5
37.5°	535.6	531.4	526.7	524.1	529.9	529.3	537.7	537.7	535.6	536.1	536.1
40°	605.0	602.4	598.7	591.4	602.4	600.3	610.2	610.2	604.4	606.0	605.0
42.5°	667.0	667.0	662.8	651.9	663.4	661.3	674.3	674.3	666.5	666.0	664.4
45°	722.8	725.4	723.3	713.4	717.6	719.2	731.7	729.1	722.8	722.8	720.2
47.5°	782.8	785.4	778.1	767.7	772.4	775.0	786.4	785.4	781.8	777.1	777.1
50°	845.4	845.9	831.3	818.8	823.0	836.5	844.9	846.9	839.1	828.2	827.6
52.5°	894.9	898.1	884.0	870.4	873.5	889.2	898.6	899.1	889.2	873.5	878.2
55°	938.7	941.9	927.8	915.8	922.0	930.4	941.3	935.1	935.6	918.9	926.7
57.5°	968.5	978.9	955.4	952.8	958.5	968.5	973.2	971.6	974.7	959.1	961.7
60°	998.2	1002.9	983.1	986.7	979.9	997.7	1001.3	1005.0	996.6	985.7	985.7
62.5°	1026.3	1014.9	1000.8	1009.7	991.4	1013.8	1018.0	1022.2	1013.3	1002.9	1005.0
65°	1040.9	1020.1	1008.1	1019.0	1001.3	1021.7	1028.4	1030.0	1028.4	1018.5	1013.8
67.5°	1044.1	1022.2	1014.9	1023.7	1006.0	1028.4	1034.7	1037.8	1039.4	1032.1	1019.0
70°	1043.0	1019.6	1013.3	1021.7	1010.2	1031.0	1031.6	1036.3	1038.3	1041.5	1026.9
72.5°	1029.0	1008.6	1007.0	1014.4	1003.9	1017.5	1018.0	1023.7	1020.6	1030.5	1023.2
75°	1017.5	1003.9	1006.5	1005.0	994.5	1002.4	1004.4	1011.2	999.7	1009.1	1015.4
77.5°	1010.2	1002.9	1009.1	1000.8	989.8	995.1	998.2	1006.0	988.8	996.6	1014.9
80°	998.7	996.6	1004.4	991.9	982.5	987.2	992.4	999.2	980.5	985.7	1011.7
82.5°	979.9	981.5	988.8	974.2	967.9	973.2	979.4	989.8	970.5	973.7	1001.3
85°	971.6	978.4	982.0	967.4	960.1	963.2	970.0	981.0	960.6	965.3	993.5
87.5°	970.5	978.9	981.5	969.0	962.7	967.4	970.5	986.2	964.3	970.0	998.7
90°	973.7	976.8	978.4	967.4	962.2	969.5	970.0	989.3	967.4	969.0	994.5
92.5°	963.2	963.8	966.9	957.0	956.5	961.7	960.6	976.8	952.8	949.2	971.1
95°	912.7	908.5	915.3	910.0	921.0	928.8	937.7	958.0	946.0	949.2	967.9
97.5°	858.9	860.0	862.1	853.7	852.2	855.3	858.9	869.4	865.7	868.8	886.6
100°	846.4	850.1	849.6	845.4	828.2	824.5	816.7	805.7	791.1	793.2	795.8
102.5°	852.7	862.6	864.2	869.9	869.9	867.3	873.0	868.3	870.9	886.1	877.7
105°	830.3	841.7	849.0	855.3	867.3	877.2	903.8	920.0	933.0	951.2	948.6
107.5°	803.1	808.9	814.1	814.1	811.0	809.4	824.0	826.6	823.0	827.6	828.2
110°	718.7	718.1	723.3	721.3	722.8	714.5	718.7	732.7	729.6	739.0	740.6



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CATALOG NUMBER: FFX-CLB-60-722-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	652.9	652.9	656.6	651.4	651.9	645.1	647.7	657.1	657.6	665.5	669.6
115°	597.7	596.6	601.8	597.7	593.0	591.4	594.0	599.7	601.3	606.5	614.9
117.5°	556.5	551.2	555.4	555.9	558.0	553.9	560.1	563.8	565.8	570.0	576.8
120°	522.6	517.3	518.9	524.1	530.4	521.5	528.3	531.4	533.0	534.6	537.7
122.5°	484.0	480.3	478.8	489.2	492.8	485.0	488.7	493.4	496.0	498.6	501.2
125°	444.9	441.7	440.2	449.5	453.2	446.9	452.2	458.9	457.9	463.6	458.4
127.5°	409.4	408.3	406.3	411.0	413.6	413.0	417.7	426.1	422.4	427.6	421.9
130°	367.1	371.3	368.2	373.9	374.4	378.6	380.2	388.0	384.4	385.4	381.8
132.5°	332.7	334.3	332.7	334.8	336.4	336.4	340.6	348.9	343.2	342.6	339.5
135°	297.8	298.3	296.2	299.4	300.4	297.8	302.0	308.2	305.1	303.5	303.5
137.5°	263.4	262.8	263.4	264.4	265.5	264.9	267.0	271.7	270.7	268.6	271.2
140°	234.2	232.6	233.1	233.6	233.1	233.1	235.2	239.4	239.4	236.8	239.4
142.5°	205.0	204.4	204.4	204.4	204.4	205.5	207.6	208.6	209.6	207.6	207.0
145°	180.4	179.9	179.4	179.4	179.4	179.9	182.0	181.5	183.6	181.5	179.9
147.5°	158.5	159.1	158.0	157.5	157.0	158.5	159.1	160.1	161.1	160.1	158.5
150°	140.8	140.3	140.3	139.2	139.2	140.8	140.3	141.3	142.4	141.9	141.3
152.5°	125.2	125.2	125.2	124.1	124.6	125.7	125.7	125.7	126.7	126.7	126.2
155°	112.6	112.6	112.6	112.1	112.1	113.2	113.2	113.2	113.7	113.7	113.7
157.5°	103.3	103.3	102.7	102.7	102.7	103.3	102.7	102.7	103.3	103.3	103.3
160°	96.0	96.0	95.4	95.4	94.9	95.4	94.9	94.9	95.4	95.4	95.4
162.5°	90.2	90.2	89.7	89.7	89.7	89.7	89.7	89.2	89.2	89.7	89.2
165°	86.1	86.1	86.1	86.1	86.1	86.1	86.1	85.5	85.5	85.5	85.5
167.5°	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
170°	81.9	81.9	81.9	82.4	82.4	82.4	81.9	81.9	82.4	82.4	81.9
172.5°	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
175°	81.4	81.4	81.4	81.4	81.4	81.4	80.8	81.4	81.4	81.4	81.4
177.5°	81.4	80.8	80.8	81.4	81.4	80.8	80.8	80.8	80.8	80.8	80.8
180°	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4

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.

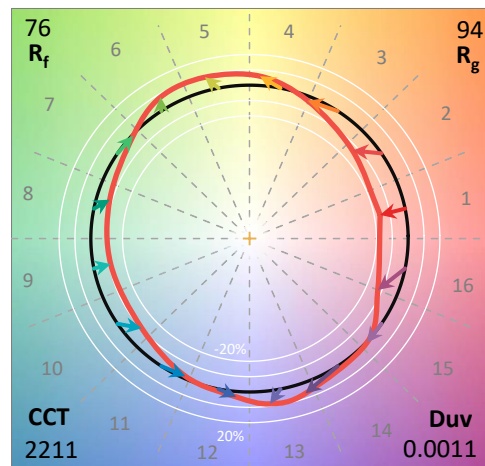
Test Information

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

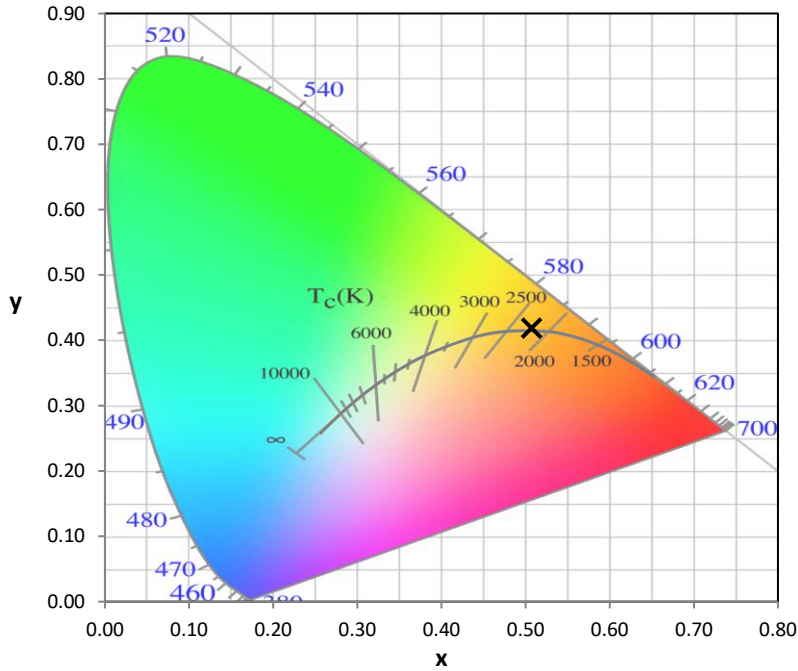
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-2

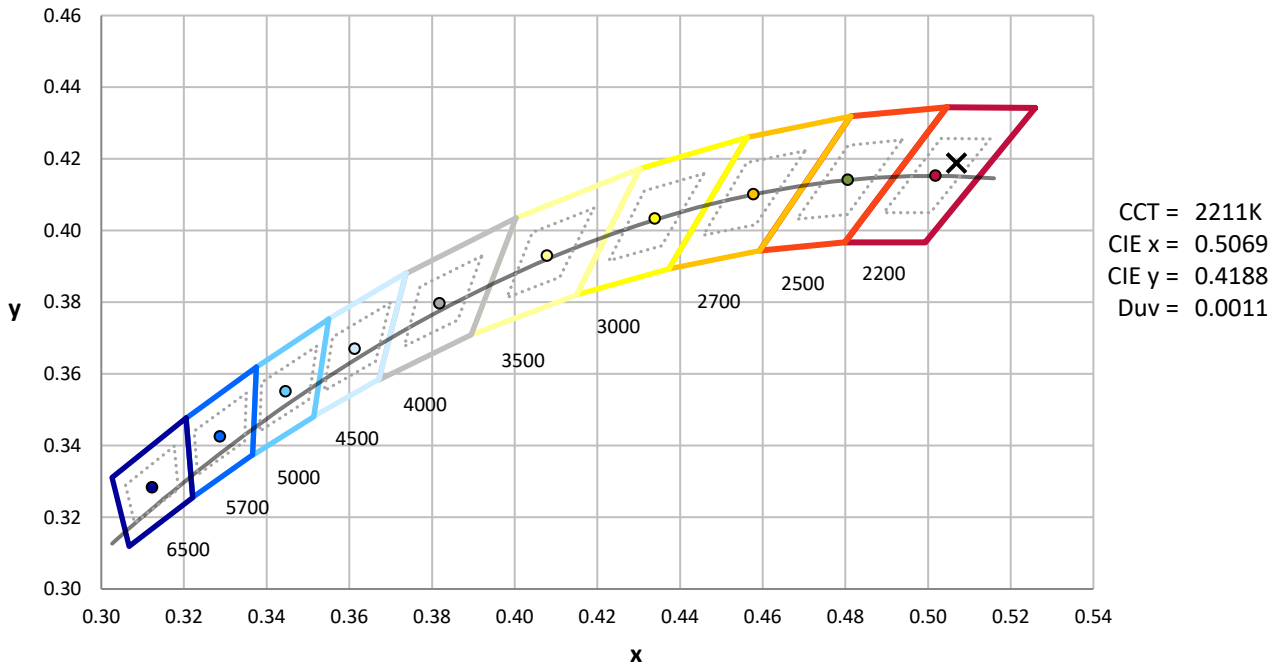
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

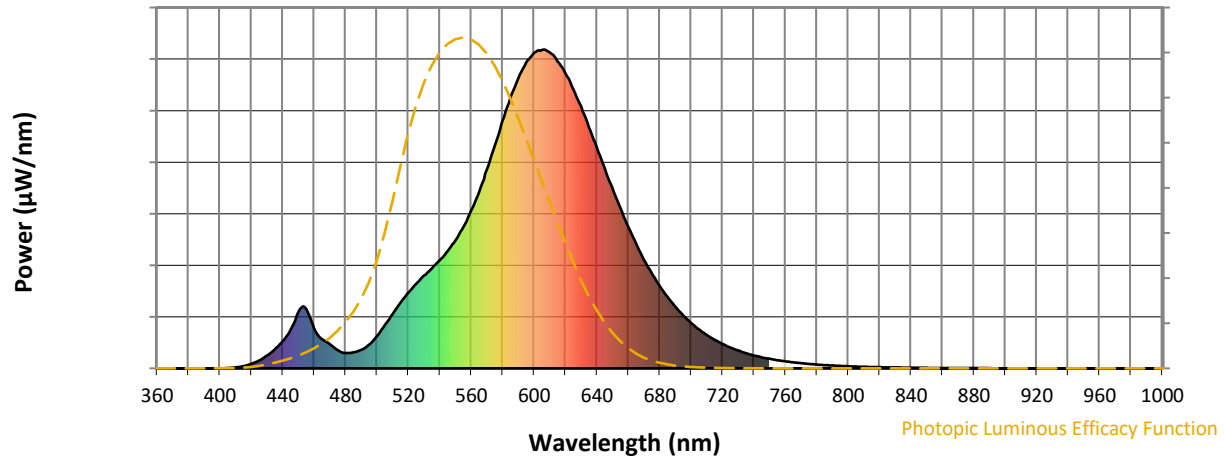


CCT = 2211K
CIE x = 0.5069
CIE y = 0.4188
Duv = 0.0011

Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

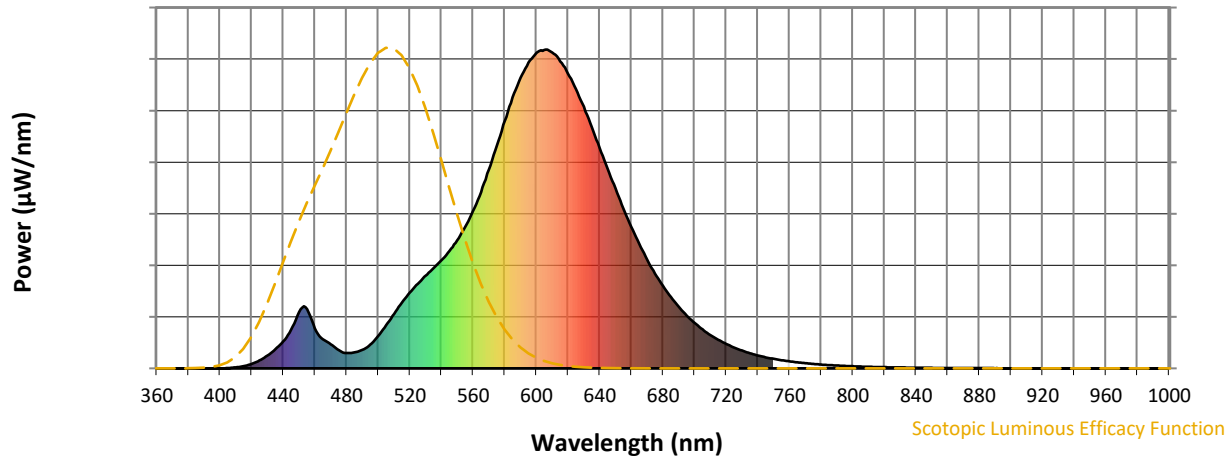


Photopic Lumens: NR

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



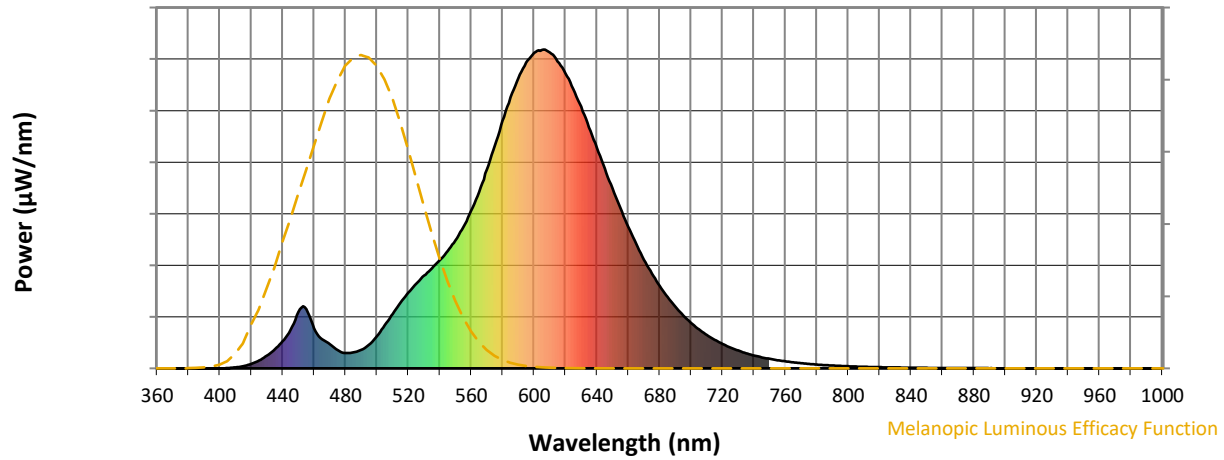
Scotopic Lumens: NR

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

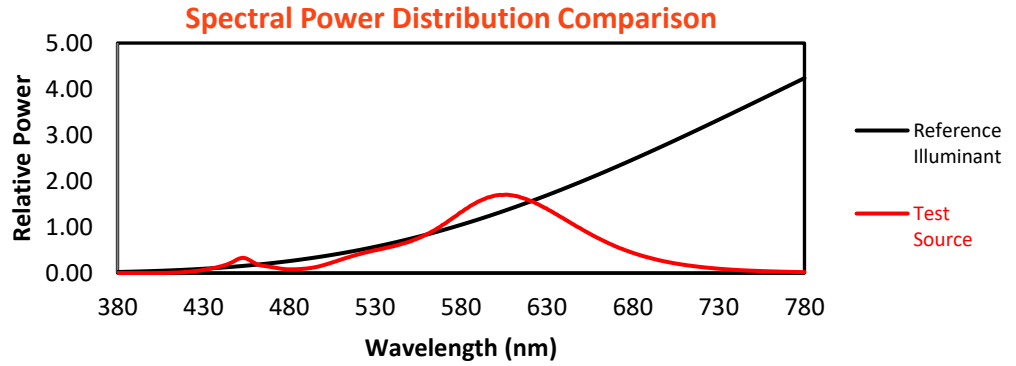
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	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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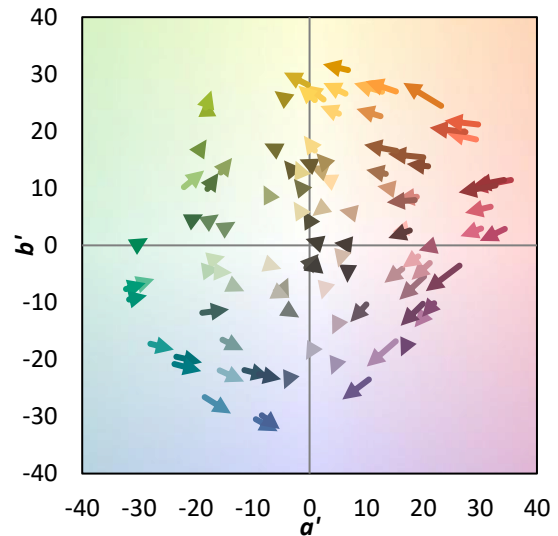
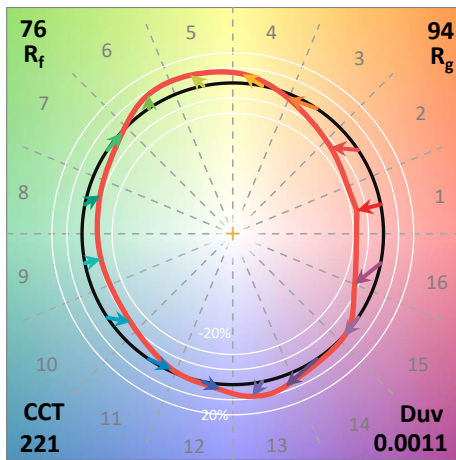
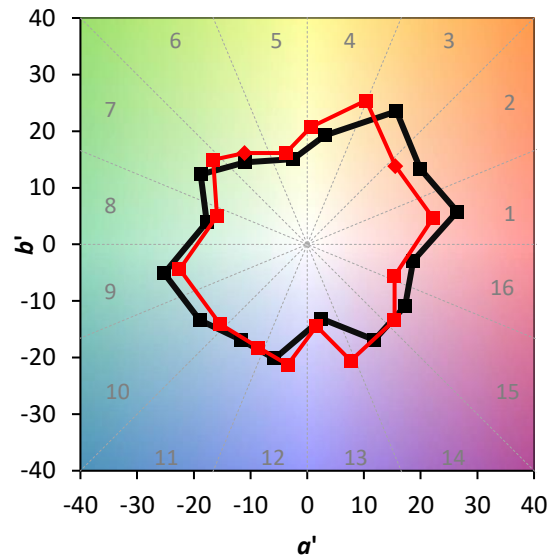
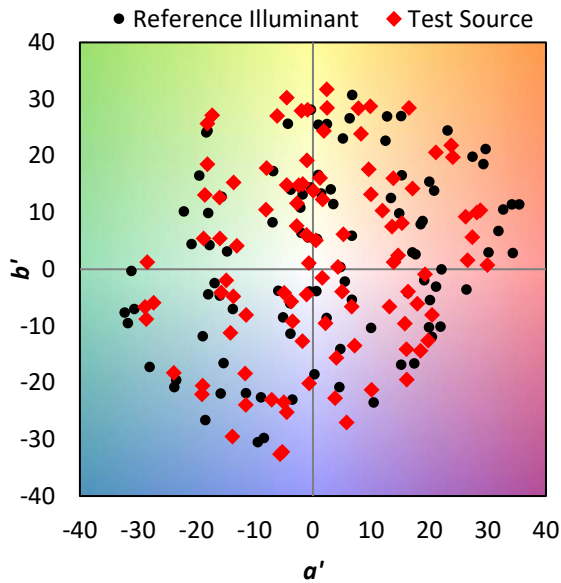
TM-30-18

Summary

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



Color Vector Graphics

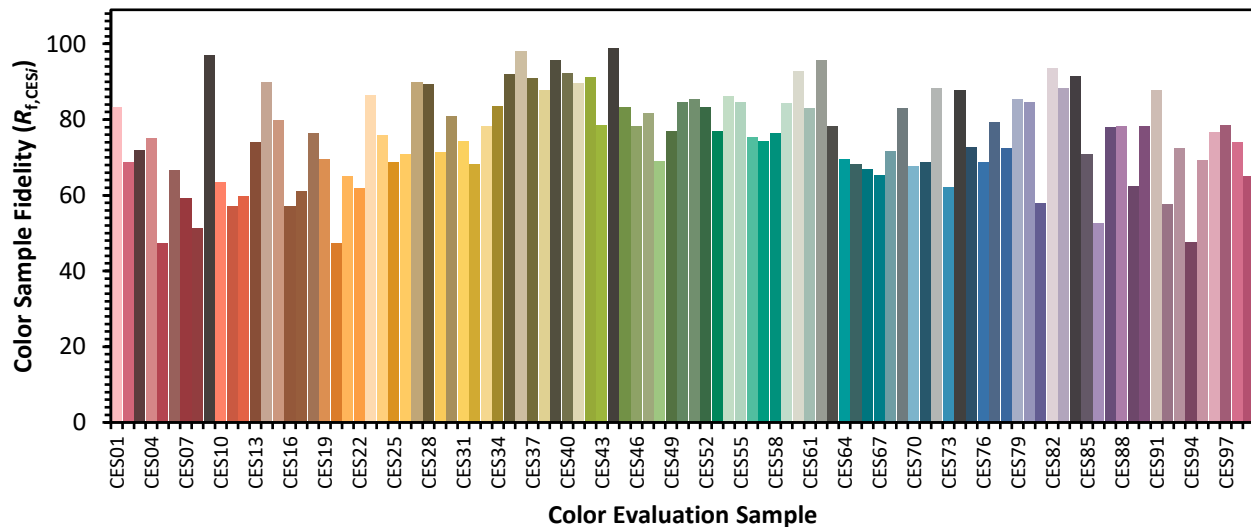


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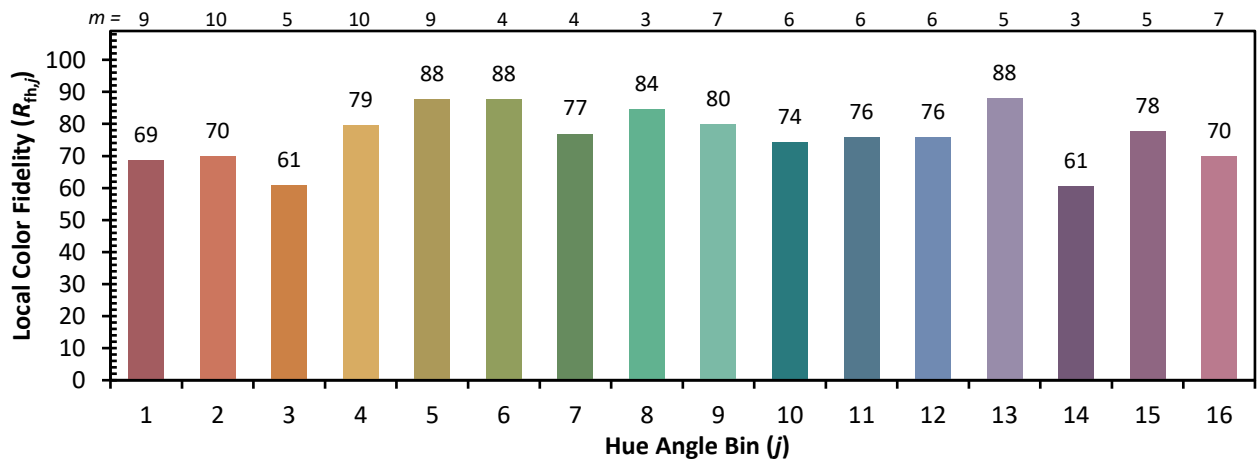
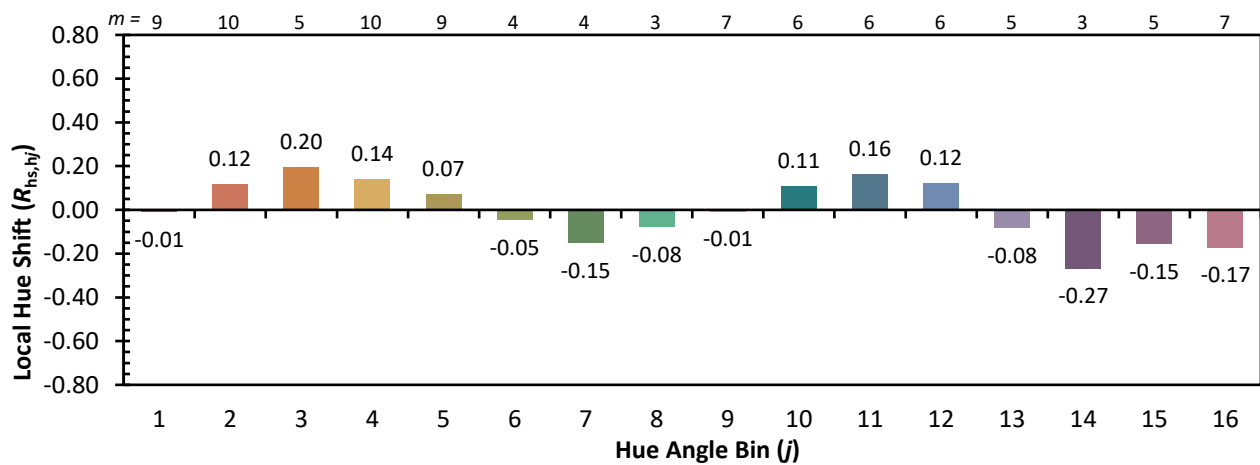
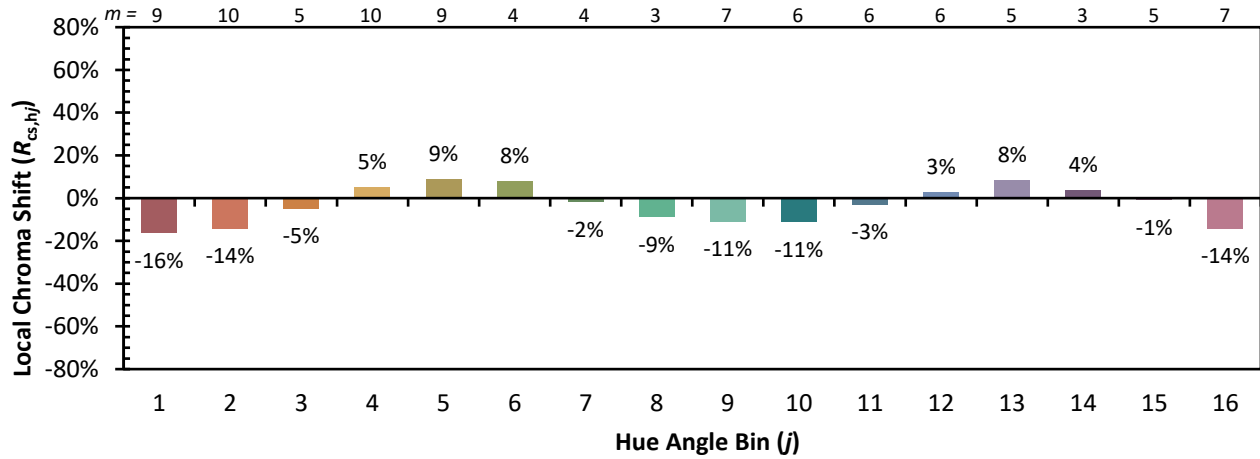
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Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
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	



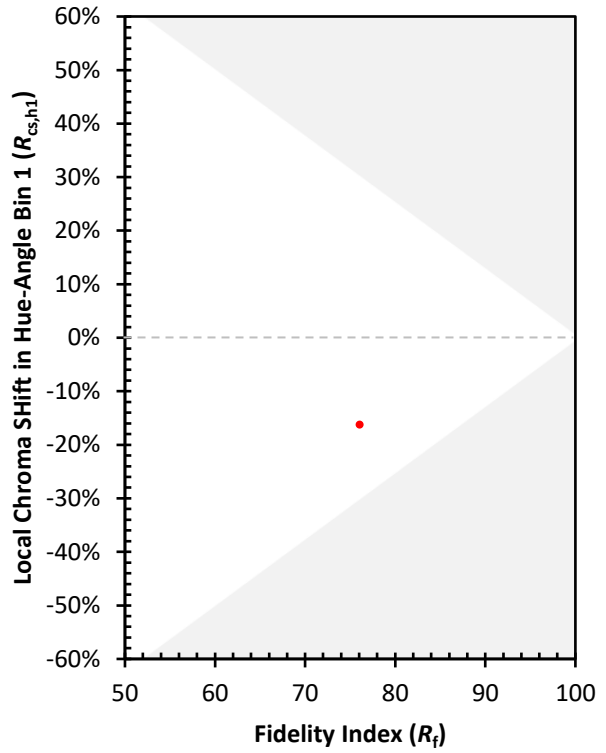
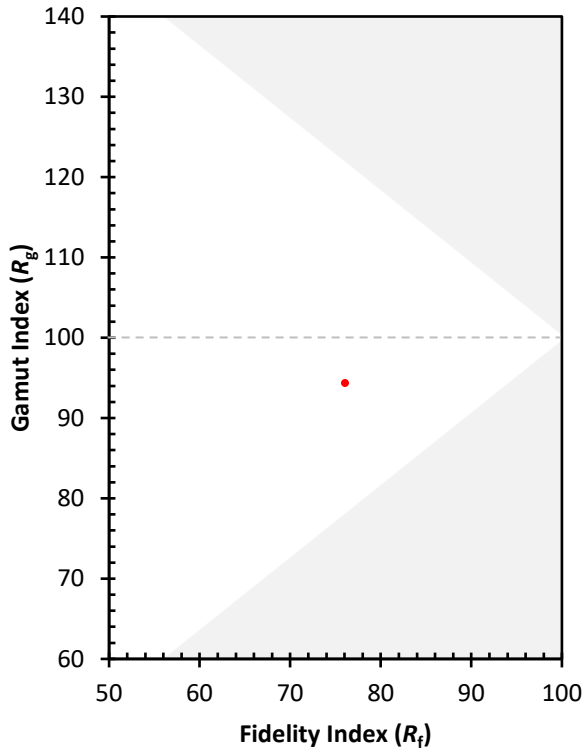
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)