

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: P856161

Luminaire Tested: **FFX-CLB-40-727-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856161
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-727-U-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

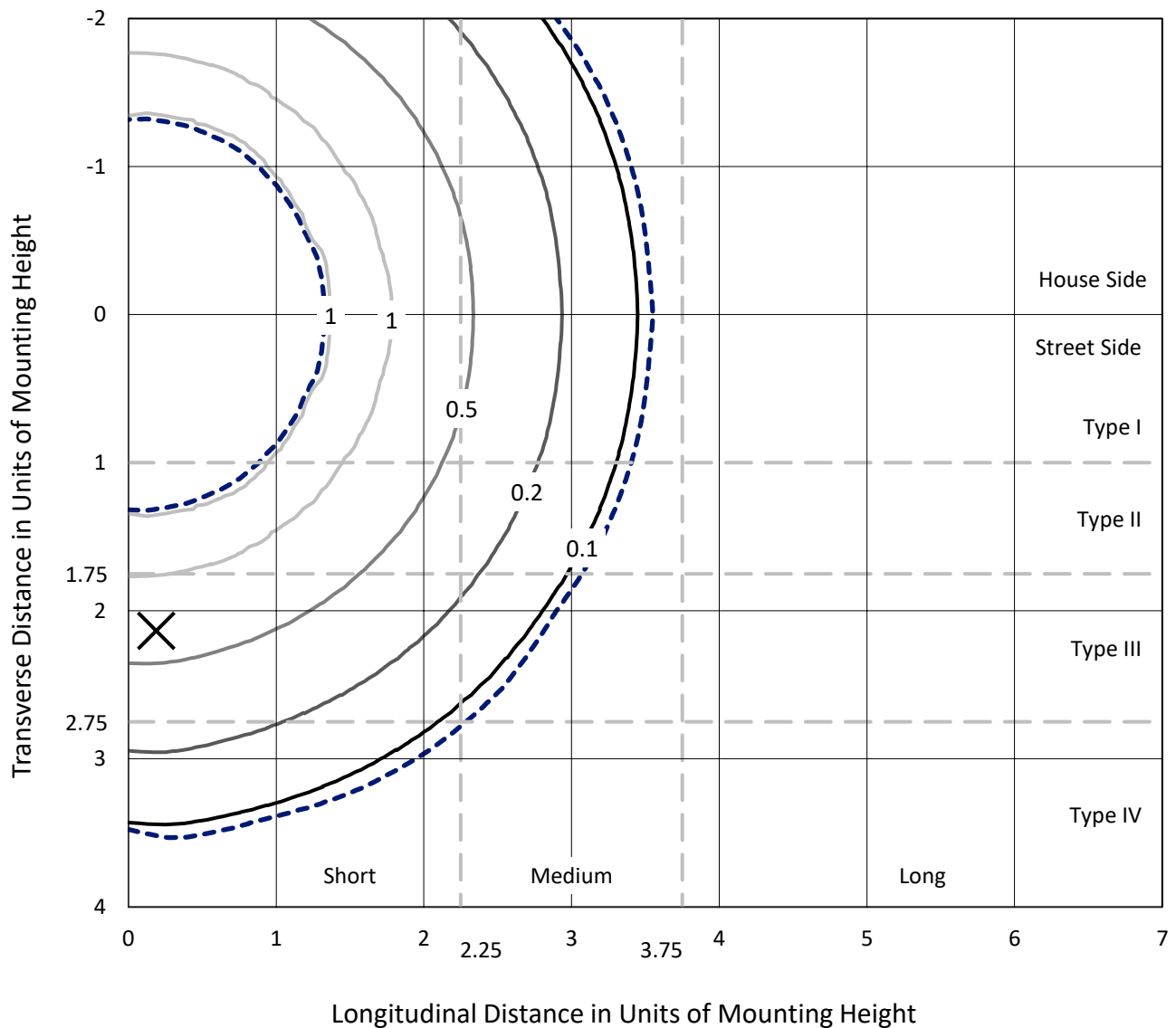
Lumens per Lamp: N/A
Luminaire Lumens: 5822.7 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 8.2%%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P856161
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Iso-Footcandle Lines of Horizontal Illumination

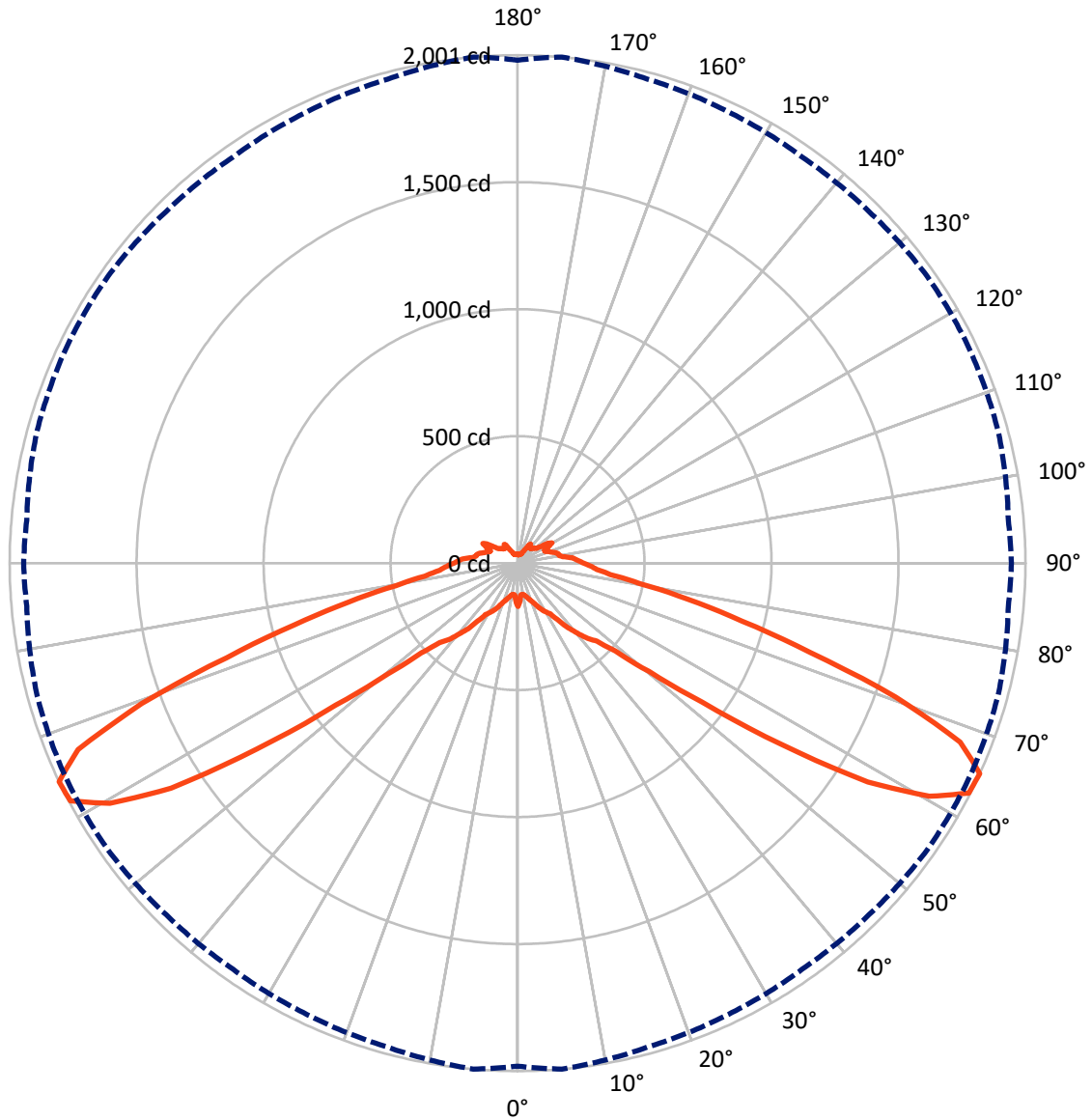
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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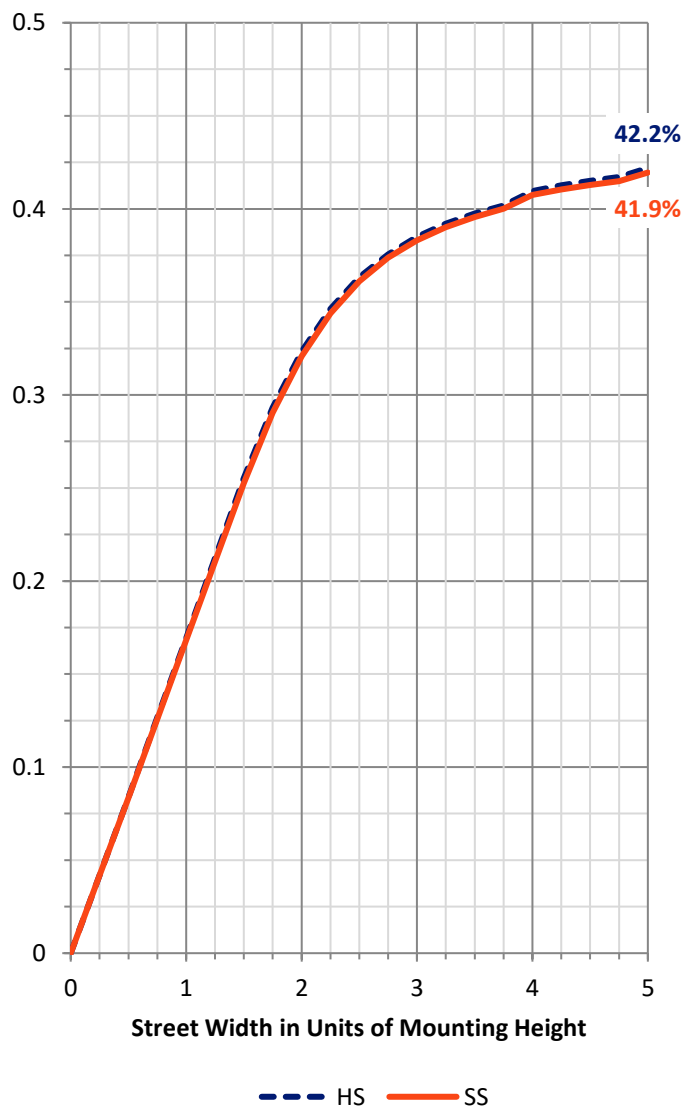
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2543.4	367.9	2911.4
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	2543.4	367.9	2911.4
	% Fixture	43.7	6.3	50.0
Total	Lumens	5086.9	735.8	5822.7
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.2
10°-20°	40.9	0.7
20°-30°	88.6	1.5
30°-40°	179.5	3.1
40°-50°	361.9	6.2
50°-60°	1150.7	19.8
60°-70°	1855.6	31.9
70°-80°	1011.9	17.4
80°-90°	385.3	6.6
90°-100°	231.2	4.0
100°-110°	147.5	2.5
110°-120°	112.2	1.9
120°-130°	94.9	1.6
130°-140°	61.8	1.1
140°-150°	51.8	0.9
150°-160°	23.2	0.4
160°-170°	9.9	0.2
170°-180°	3.3	0.1
0°-90°	5086.9	87.4
0°-180°	5822.7	100.0



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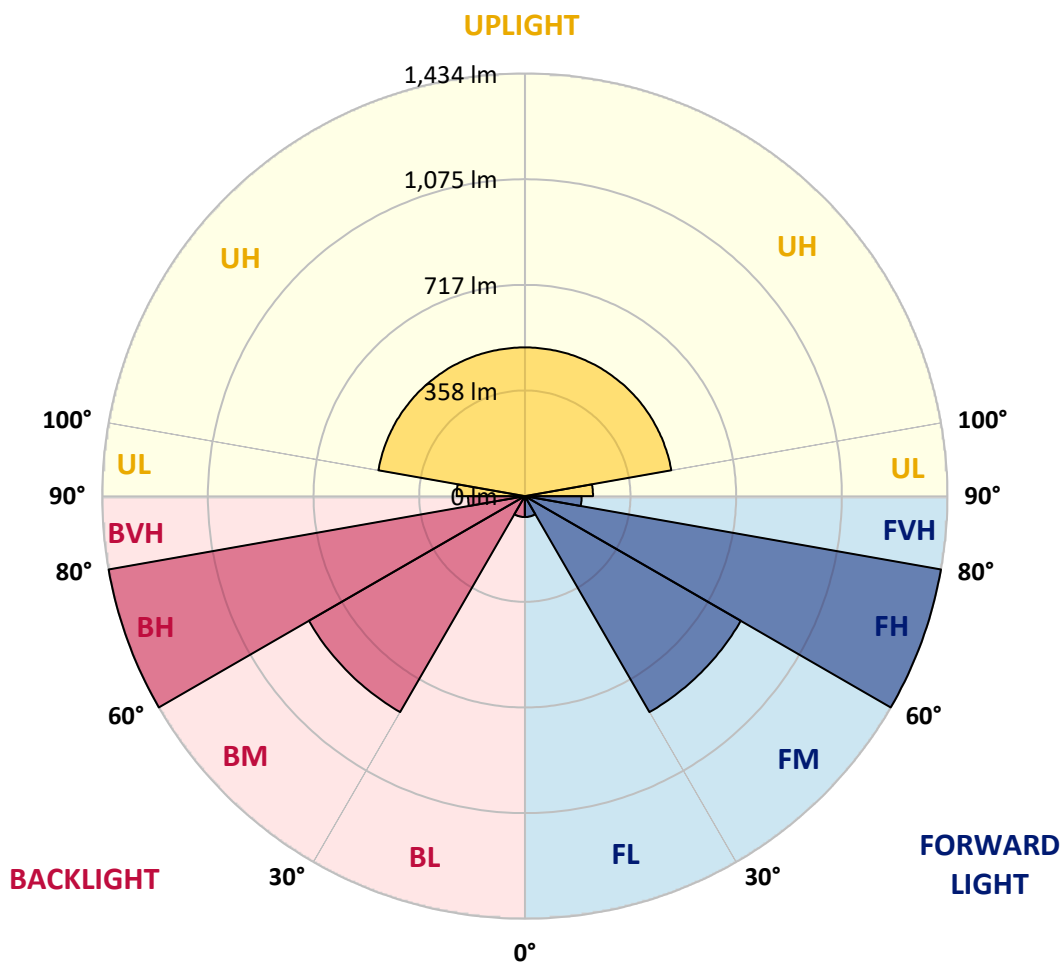
CATALOG NUMBER: FFX-CLB-40-727-U-FR-T5-UPLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	70.9	1.2			
FM (30°-60°)	846.1	14.5			
FH (60°-80°)	1433.8	24.6			G1/1800
FVH (80°-90°)	192.7	3.3			G2/225
BL (0°-30°)	70.9	1.2	B0/110		
BM (30°-60°)	846.1	14.5	B1/1000		
BH (60°-80°)	1433.8	24.6	B3/2500		G1/1800
BVH (80°-90°)	192.7	3.3			G2/225
UL (90°-100°)	231.2	4.0		U3/500	
UH (100°-180°)	504.6	8.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9
2.5°	152.6	155.1	148.4	142.9	140.5	141.1	146.5	152.0	146.5	148.4	148.4
5°	126.5	127.1	127.1	125.9	127.7	124.1	119.8	119.8	124.1	128.9	128.9
7.5°	122.2	124.1	128.9	128.9	130.7	124.7	118.6	119.2	125.3	132.6	134.4
10°	125.9	125.9	124.7	125.9	130.1	129.5	122.8	119.8	124.1	131.3	133.8
12.5°	131.3	131.3	135.0	140.5	141.1	135.6	128.9	128.3	133.2	138.0	138.0
15°	139.3	139.9	141.7	141.1	142.9	141.1	139.3	140.5	143.5	143.5	143.5
17.5°	149.6	149.6	149.6	149.6	149.6	150.2	150.8	150.8	150.8	152.0	152.0
20°	161.1	161.1	160.5	159.9	159.9	160.5	161.1	161.1	161.1	162.4	162.4
22.5°	175.7	175.1	173.9	173.9	173.9	174.5	173.3	172.7	172.1	172.7	172.7
25°	192.8	192.8	191.5	189.7	189.7	189.1	187.3	186.7	186.1	187.3	186.7
27.5°	209.8	209.8	208.0	205.5	205.5	205.5	204.3	203.1	201.9	202.5	202.5
30°	225.6	224.4	223.8	222.0	221.3	222.0	220.7	220.7	218.3	217.7	218.9
32.5°	240.2	239.0	240.2	238.4	236.5	238.4	237.8	237.8	234.1	232.9	234.1
35°	280.3	277.3	279.7	275.5	273.0	273.6	274.9	277.3	273.6	271.8	272.4
37.5°	323.5	322.9	330.8	337.5	336.3	325.9	319.2	320.5	325.3	332.0	332.0
40°	363.6	362.4	364.2	361.8	361.8	360.6	360.0	363.0	353.3	350.9	349.0
42.5°	405.6	405.0	394.6	380.1	377.0	389.2	394.6	398.9	384.9	380.1	376.4
45°	446.9	438.4	436.6	431.7	426.9	434.8	434.2	437.2	430.5	429.9	426.9
47.5°	533.9	518.1	512.6	513.2	502.9	511.4	515.1	524.8	510.8	511.4	510.8
50°	690.8	670.7	679.8	673.8	662.8	673.2	672.5	690.2	667.1	675.6	671.9
52.5°	935.8	908.5	914.0	910.3	899.4	920.6	925.5	951.7	907.3	918.2	915.2
55°	1290.4	1260.6	1272.7	1228.9	1217.4	1259.4	1275.2	1305.6	1246.6	1252.7	1249.6
57.5°	1628.5	1626.6	1647.3	1616.3	1606.0	1635.8	1621.2	1647.9	1616.3	1638.8	1631.5
60°	1858.9	1863.8	1884.5	1893.6	1875.3	1891.2	1855.9	1876.0	1866.2	1899.1	1896.0
62.5°	1978.7	1994.5	1982.4	1983.0	1962.9	1975.1	1968.4	1979.9	1977.5	1980.5	1977.5
65°	1981.2	2000.6	1973.9	1961.7	1953.2	1958.0	1969.6	1969.6	1962.3	1940.4	1945.3
67.5°	1851.6	1880.8	1851.0	1834.0	1838.9	1837.0	1844.9	1834.6	1830.3	1798.1	1798.7
70°	1533.0	1579.8	1536.0	1520.2	1533.0	1540.9	1540.3	1531.8	1525.1	1485.0	1496.5
72.5°	1163.9	1205.2	1166.3	1160.2	1172.4	1184.6	1174.2	1184.6	1173.6	1155.4	1160.8
75°	878.7	914.0	914.0	937.1	940.7	934.0	905.4	917.0	924.3	924.9	930.4
77.5°	646.4	683.5	703.0	740.7	738.8	727.3	692.6	706.0	720.0	729.7	736.4
80°	459.7	487.7	516.3	543.0	546.7	536.9	515.7	523.6	532.1	538.8	542.4
82.5°	356.3	369.1	363.6	360.6	365.5	379.4	384.3	389.2	377.0	369.1	372.2
85°	310.7	311.9	321.7	328.4	330.2	330.2	325.3	329.0	332.0	339.9	339.9
87.5°	283.4	284.6	308.9	315.6	318.0	315.0	308.9	311.3	313.8	318.6	318.6
90°	251.7	255.4	279.7	285.2	287.6	282.8	280.9	282.8	279.7	281.5	281.5
92.5°	234.1	234.1	245.7	243.2	242.6	243.2	243.8	245.7	242.6	241.4	241.4
95°	214.0	217.1	214.0	216.5	215.9	212.8	211.6	212.8	211.0	211.0	212.2
97.5°	179.4	180.0	174.5	176.3	176.3	173.9	170.9	172.1	170.3	171.5	172.1
100°	167.8	166.0	156.9	155.7	155.1	153.2	151.4	151.4	150.8	150.2	150.8
102.5°	164.2	164.2	152.0	149.6	148.4	145.3	142.9	142.9	142.9	142.9	143.5
105°	150.2	154.5	145.3	143.5	141.7	138.0	134.4	133.8	135.0	133.8	135.6
107.5°	136.2	139.9	135.0	135.0	133.2	129.5	127.1	126.5	127.1	125.9	127.1
110°	128.3	130.1	124.7	124.7	123.4	120.4	119.8	119.2	119.2	117.4	118.6



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CATALOG NUMBER: FFX-CLB-40-727-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	118.6	118.6	114.3	113.1	113.1	111.3	110.7	110.1	110.1	110.1	110.7
115°	118.0	117.4	110.7	106.4	105.8	105.2	105.8	105.2	105.2	104.6	104.6
117.5°	144.1	138.0	115.5	105.2	105.2	105.8	108.2	106.4	102.2	102.2	101.6
120°	155.7	156.9	133.2	122.2	119.8	116.8	116.1	114.9	110.7	110.1	112.5
122.5°	137.4	143.5	128.9	124.7	122.2	118.6	116.1	115.5	115.5	112.5	116.8
125°	107.0	112.5	105.2	104.6	104.0	104.6	103.4	103.4	104.6	102.8	103.4
127.5°	91.8	94.3	91.2	91.2	90.6	90.0	88.8	89.4	88.8	89.4	90.0
130°	88.2	90.0	87.0	85.7	85.7	86.3	86.3	86.3	84.5	83.3	83.9
132.5°	87.6	87.0	82.1	79.7	79.7	83.9	85.7	85.7	81.5	78.4	78.4
135°	79.1	79.7	79.1	76.0	76.6	77.8	79.7	80.3	76.0	74.2	74.8
137.5°	76.0	77.8	78.4	77.2	77.2	76.0	75.4	76.0	74.8	75.4	75.4
140°	76.0	76.6	78.4	79.7	78.4	77.2	77.2	77.2	77.8	79.7	80.9
142.5°	77.8	78.4	77.8	77.2	79.1	82.1	84.5	84.5	82.7	81.5	82.1
145°	89.4	91.2	91.2	89.4	90.6	89.4	89.4	88.2	88.2	88.2	88.8
147.5°	85.1	84.5	85.7	87.6	85.7	85.1	85.1	85.7	87.0	87.6	88.2
150°	66.9	65.1	66.3	69.9	69.3	69.3	69.3	69.9	70.5	70.5	71.1
152.5°	52.9	52.9	54.1	54.1	54.7	54.7	54.1	54.1	54.1	54.7	54.7
155°	47.4	46.8	48.0	49.9	48.6	48.6	48.6	48.6	48.6	48.6	49.3
157.5°	41.4	40.7	40.7	41.4	41.4	41.4	41.4	42.0	42.0	41.4	42.0
160°	37.7	37.7	37.1	37.1	37.1	37.7	38.3	38.3	37.7	37.1	37.1
162.5°	35.9	35.9	34.7	34.1	34.1	34.7	35.9	35.9	34.7	34.1	34.1
165°	35.9	35.3	33.4	32.2	32.2	33.4	35.3	35.3	33.4	32.2	32.2
167.5°	35.3	35.3	34.1	32.8	32.8	34.1	34.7	35.3	34.7	33.4	32.8
170°	34.1	34.1	34.7	34.7	34.1	34.1	34.1	34.1	34.7	34.7	34.7
172.5°	35.3	34.7	35.3	35.9	35.9	35.3	34.7	34.7	35.3	35.9	35.9
175°	35.9	35.9	35.3	35.3	35.3	34.7	34.7	34.7	35.3	35.9	35.3
177.5°	32.2	32.2	31.6	32.2	32.2	32.2	31.6	32.2	32.2	32.2	32.8
180°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4

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: SP1-2406-133-3

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-3
 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-100-727-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 2707
 CIE u': 0.2624
 CIE v': 0.5261
 Duv: -0.0007
 CIE x: 0.4580
 CIE y: 0.4082
 CIE z: 0.1338
 Peak Wavelength (nm): 599
 Dominant Wavelength (nm): 584
 Purity: 59.99901
 Rf: 75.5
 Rg: 92.5

CRI (Ra):	71.3		
R1:	67.8	R9:	-34.9
R2:	84.5	R10:	65.1
R3:	94.2	R11:	59.2
R4:	64.8	R12:	54.2
R5:	66.9	R13:	71.2
R6:	79.2	R14:	97.5
R7:	74.4	R15:	59.4
R8:	38.8		



Test Conditions

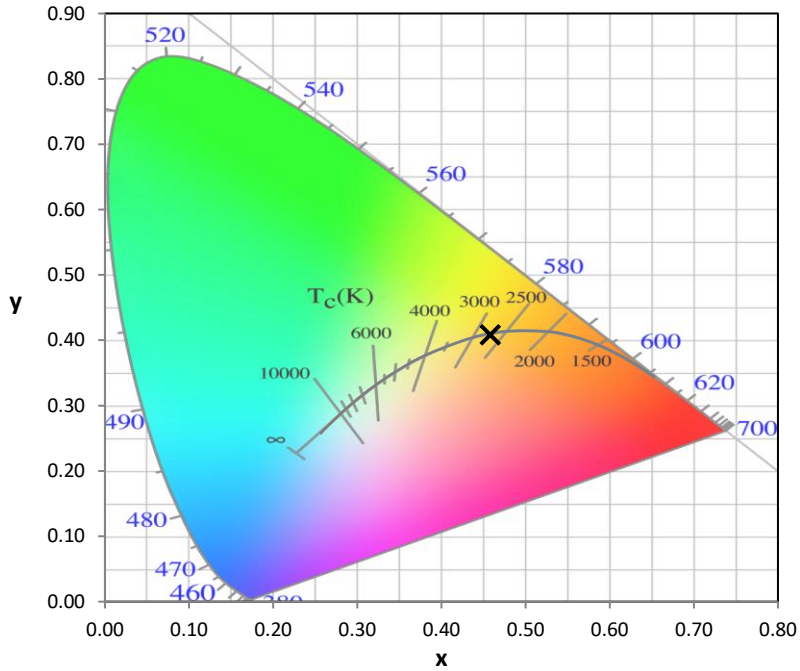
Stabilization Time: 0.813602M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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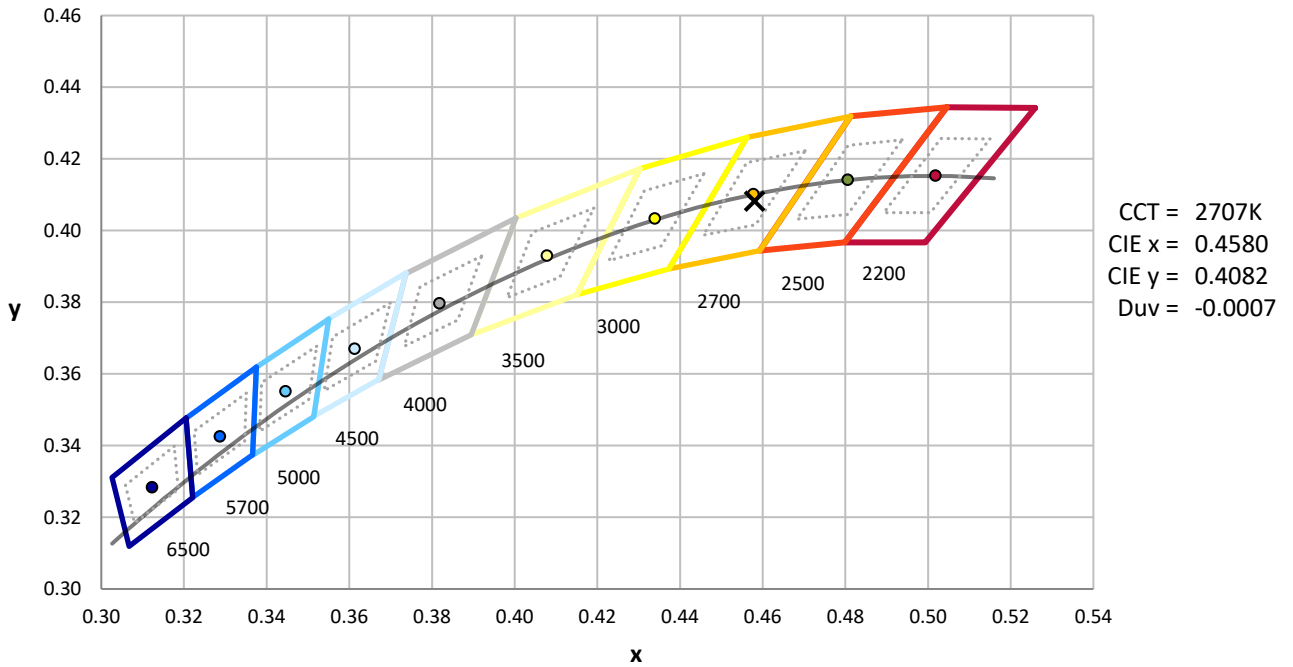
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

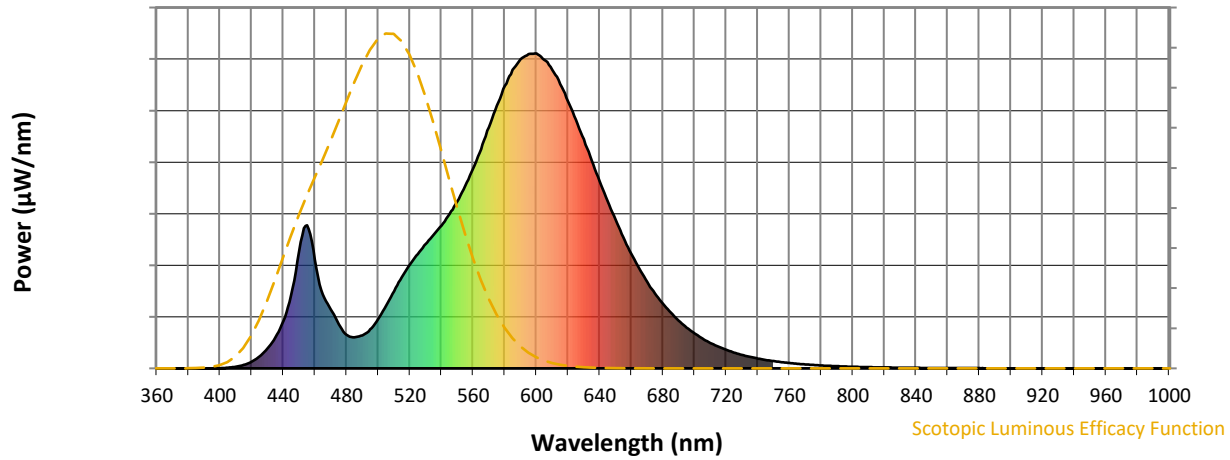


Photopic Lumens: NR

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



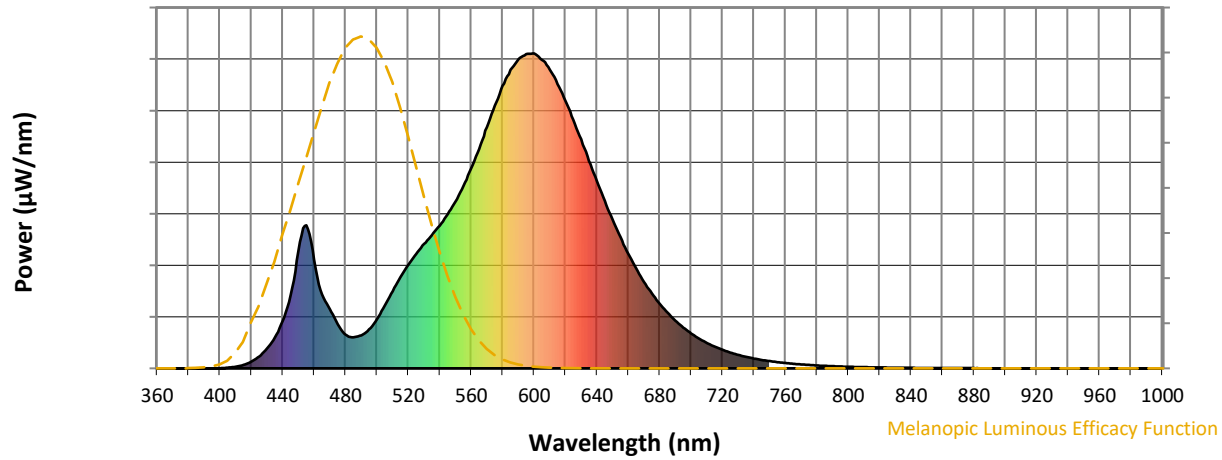
Scotopic Lumens: NR

S/P: 1.12

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.03

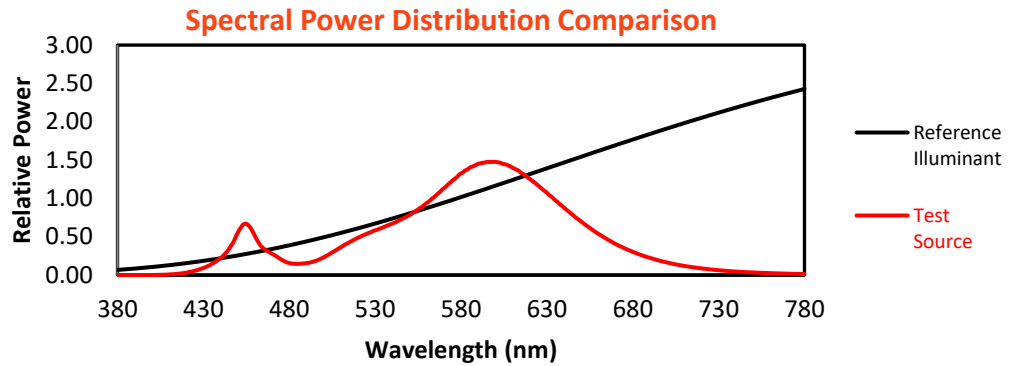
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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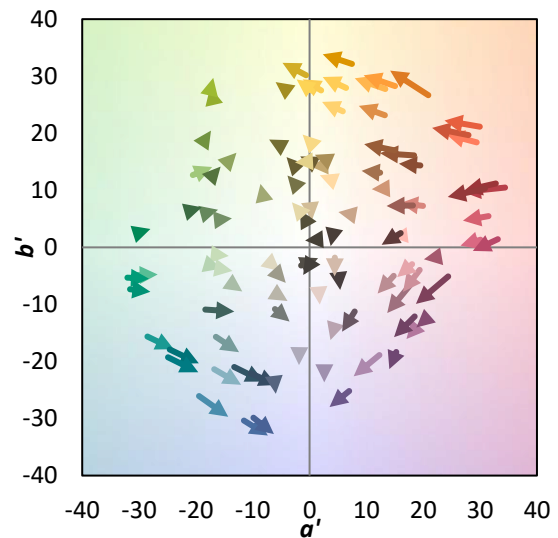
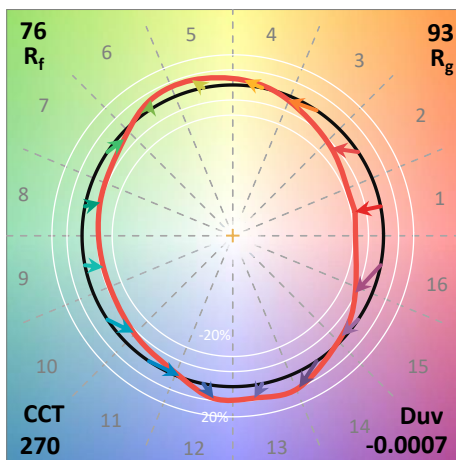
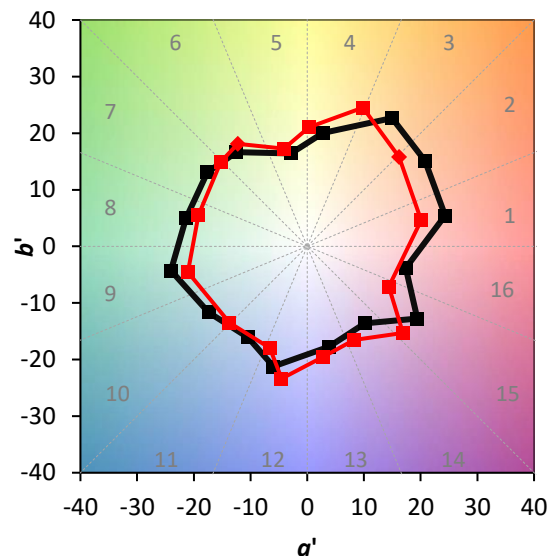
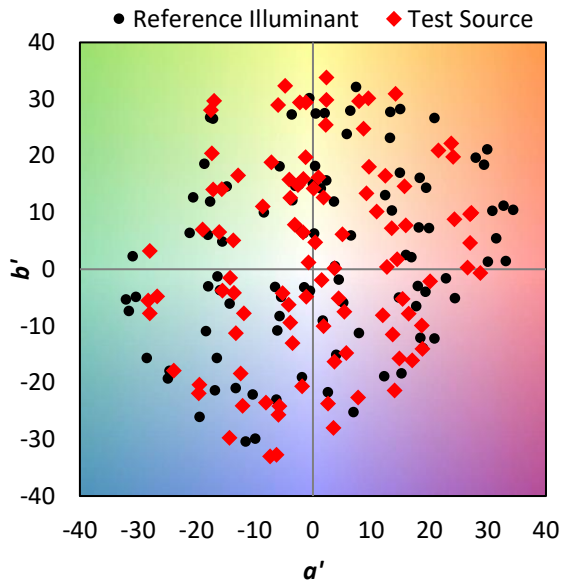
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Summary

$R_f = 75.5$
 $R_g = 92.5$
 CIE $R_a = 71.3$
 $R_9 = -34.9$



Color Vector Graphics



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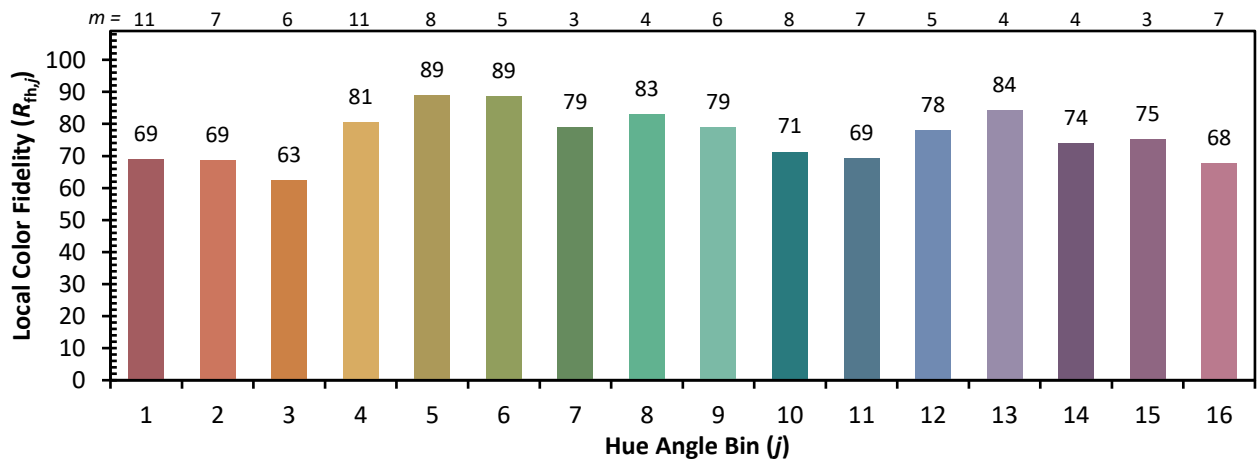
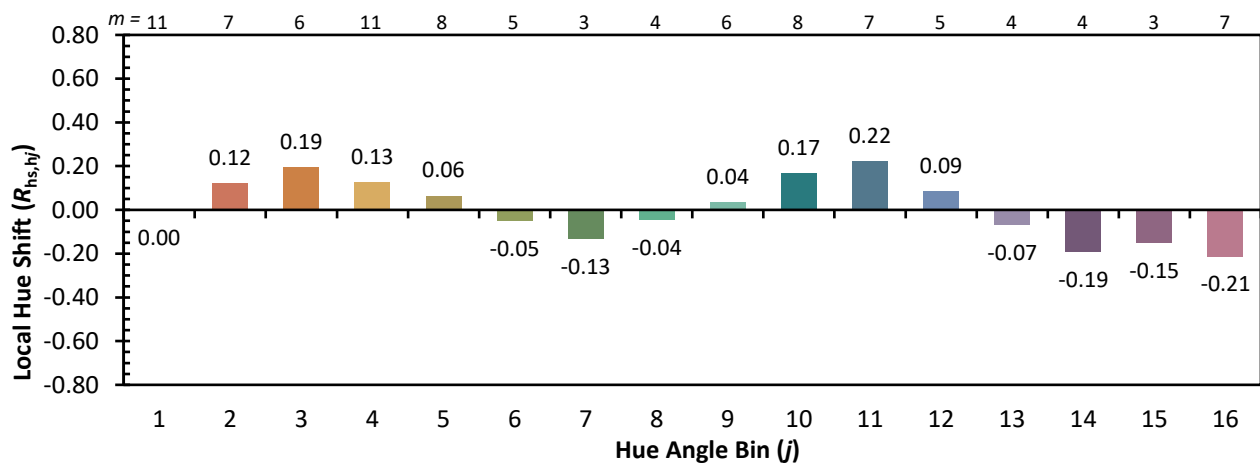
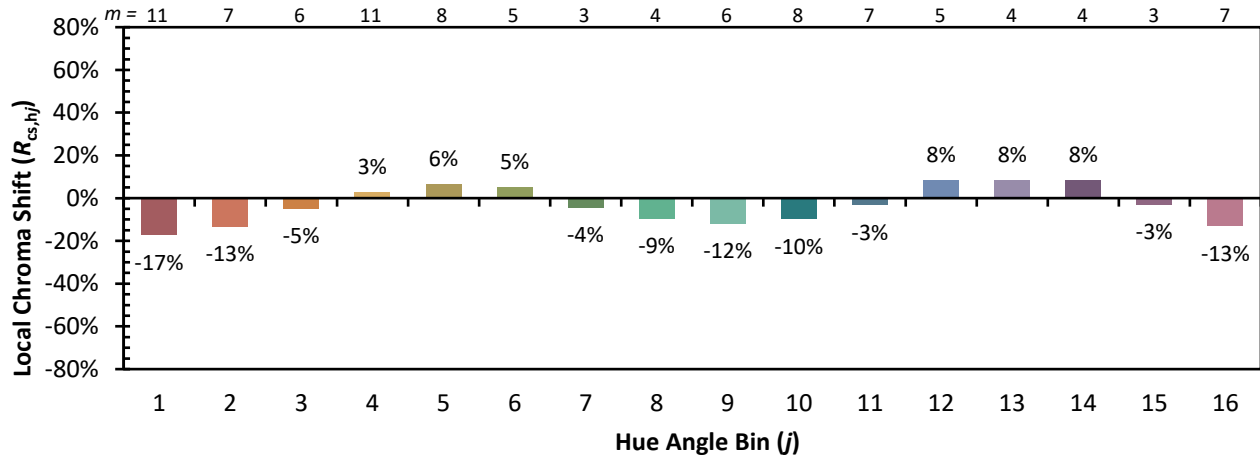
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Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 69	CES51 = 86	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 83	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 77	CES78 = 68
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 50	CES30 = 90	CES55 = 83	CES80 = 85
CES06 = 52	CES31 = 77	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 68	CES57 = 73	CES82 = 93
CES08 = 41	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 80	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 89	CES85 = 71
CES11 = 60	CES36 = 90	CES61 = 80	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 87	CES87 = 77
CES13 = 43	CES38 = 99	CES63 = 78	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 65
CES15 = 72	CES40 = 94	CES65 = 66	CES90 = 81
CES16 = 48	CES41 = 96	CES66 = 60	CES91 = 78
CES17 = 51	CES42 = 90	CES67 = 58	CES92 = 54
CES18 = 57	CES43 = 80	CES68 = 66	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 82	CES71 = 60	CES96 = 76
CES22 = 80	CES47 = 90	CES72 = 86	CES97 = 80
CES23 = 92	CES48 = 75	CES73 = 57	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 92	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



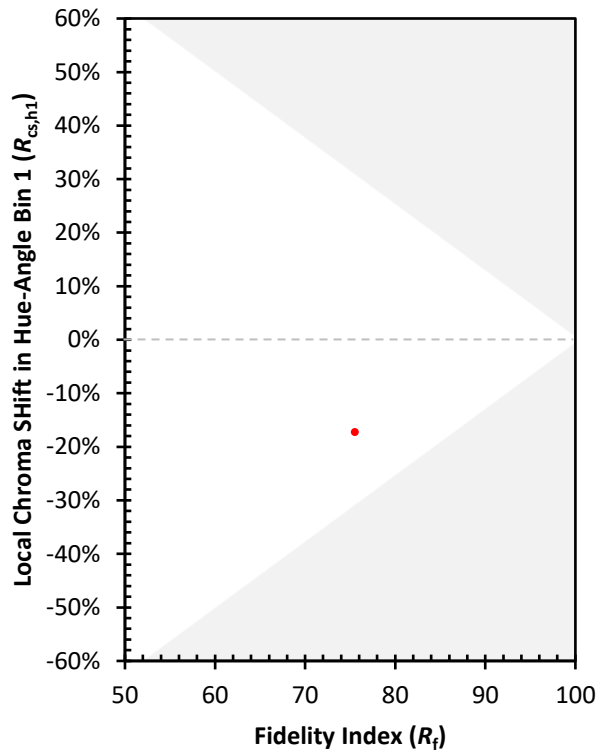
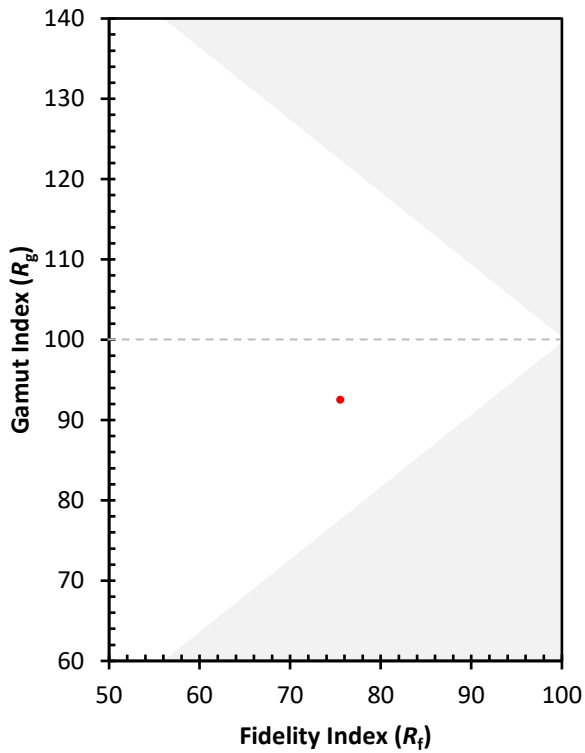
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)