

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: P856183

Luminaire Tested: **FFX-CLB-90-750-U-FR-T5-UPLR**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856183  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-90-750-U-FR-T5-UPLR  
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR  
Light Source: (6) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

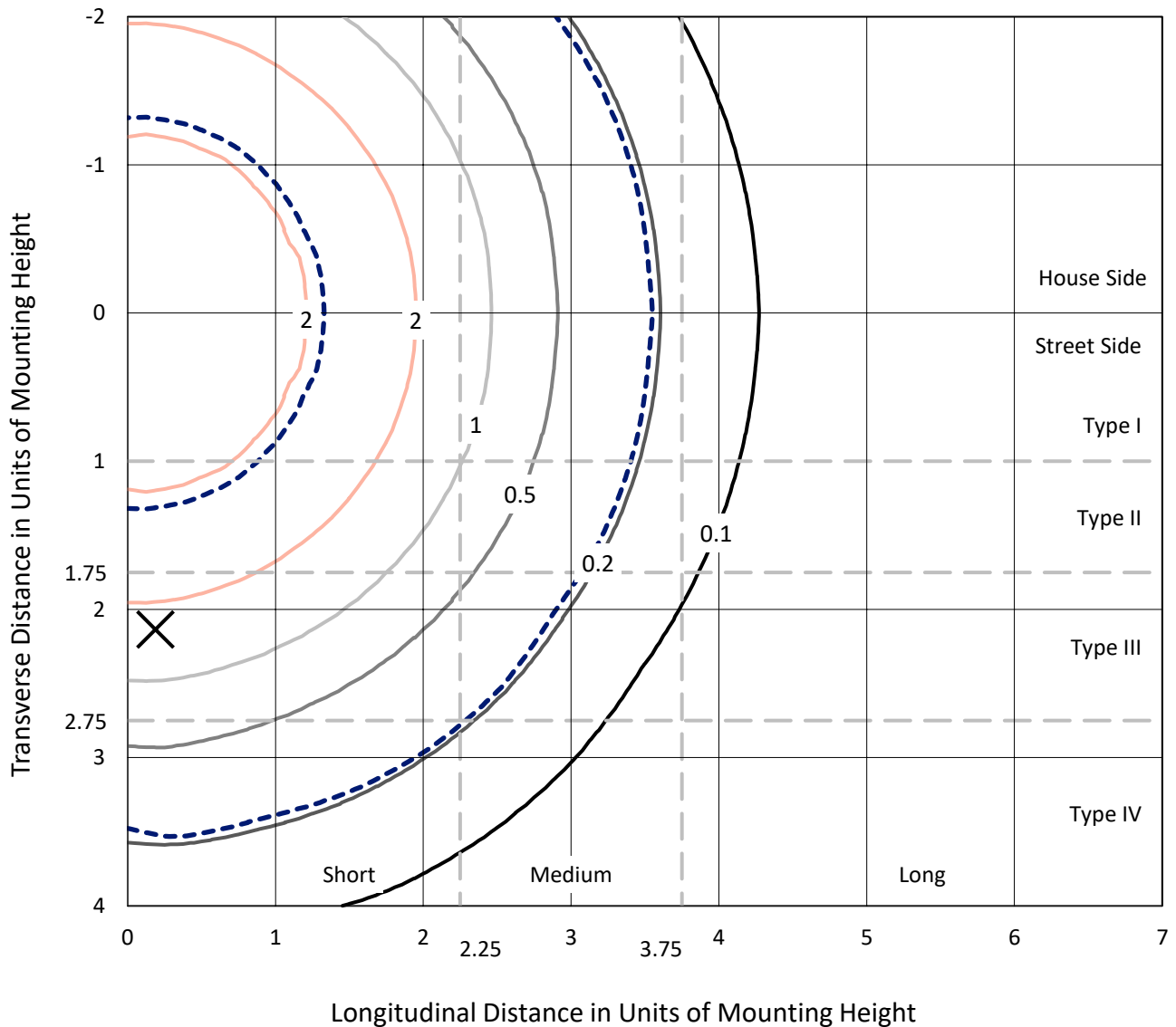
Lumens per Lamp: N/A  
Luminaire Lumens: 14022.9 lumens  
Efficiency: N/A  
Efficacy: 155.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')  
IES Classification: Type V - Short  
BUG Rating: B4 - U5 - G3

Input Watts (W): 90.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.6%%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

REPORT NUMBER: P856183  
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### Iso-Footcandle Lines of Horizontal Illumination

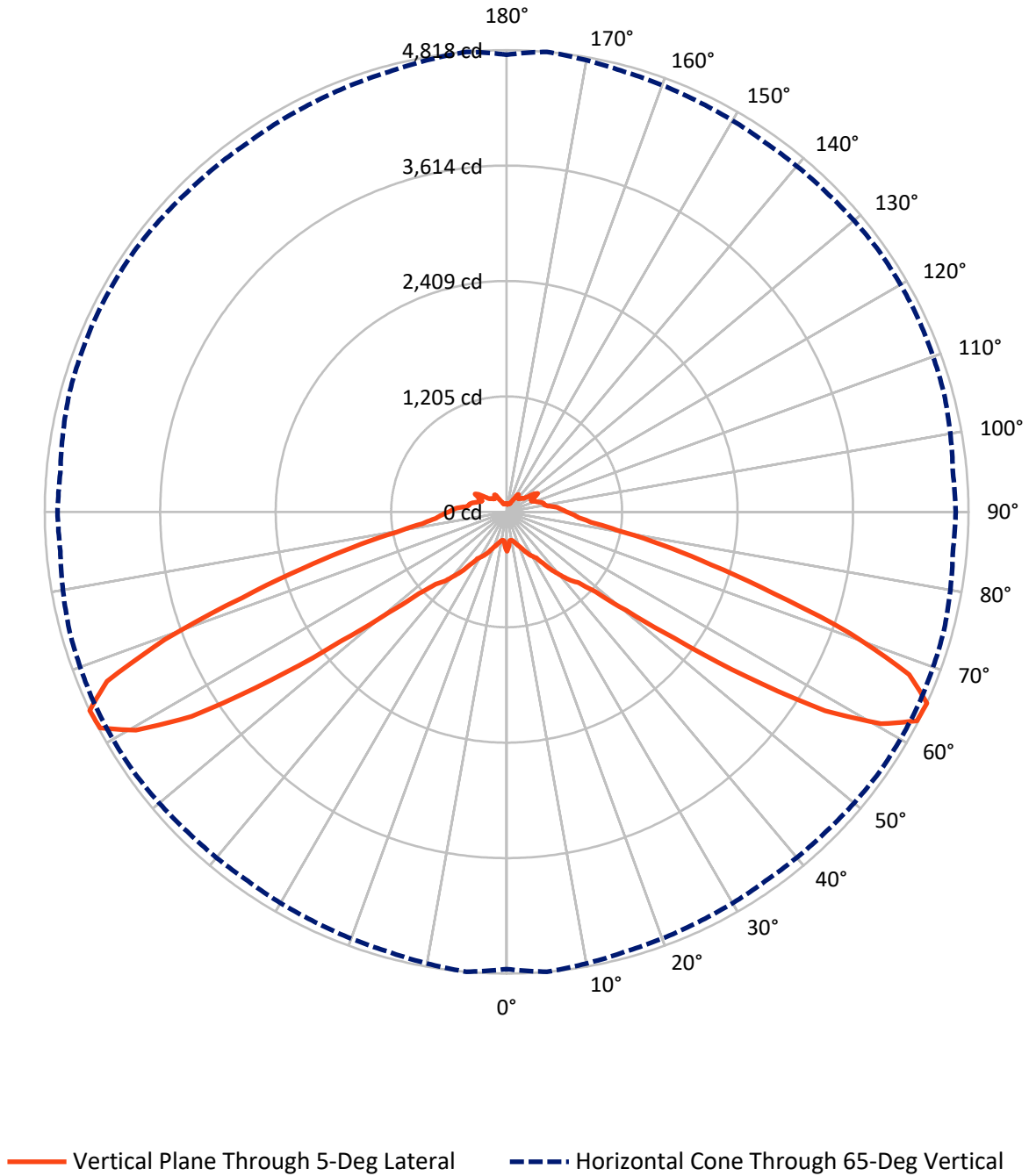
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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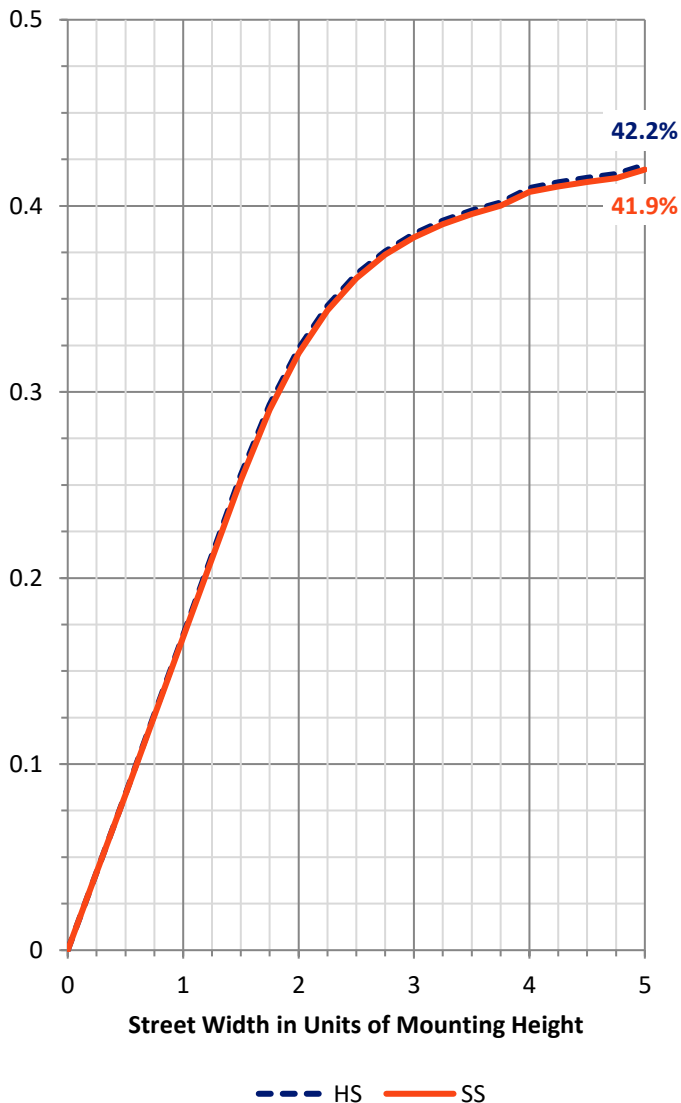
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6125.4	886.0	7011.4
	% Fixture	43.7	6.3	50.0
<b>Street Side</b>	Lumens	6125.4	886.0	7011.4
	% Fixture	43.7	6.3	50.0
<b>Total</b>	Lumens	12250.8	1772.1	14022.9
	% Fixture	87.4	12.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.8	0.2
10°-20°	98.4	0.7
20°-30°	213.4	1.5
30°-40°	432.3	3.1
40°-50°	871.6	6.2
50°-60°	2771.2	19.8
60°-70°	4469.0	31.9
70°-80°	2437.1	17.4
80°-90°	928.0	6.6
90°-100°	556.8	4.0
100°-110°	355.2	2.5
110°-120°	270.1	1.9
120°-130°	228.6	1.6
130°-140°	148.9	1.1
140°-150°	124.8	0.9
150°-160°	56.0	0.4
160°-170°	23.7	0.2
170°-180°	7.9	0.1
0°-90°	12250.8	87.4
0°-180°	14022.9	100.0



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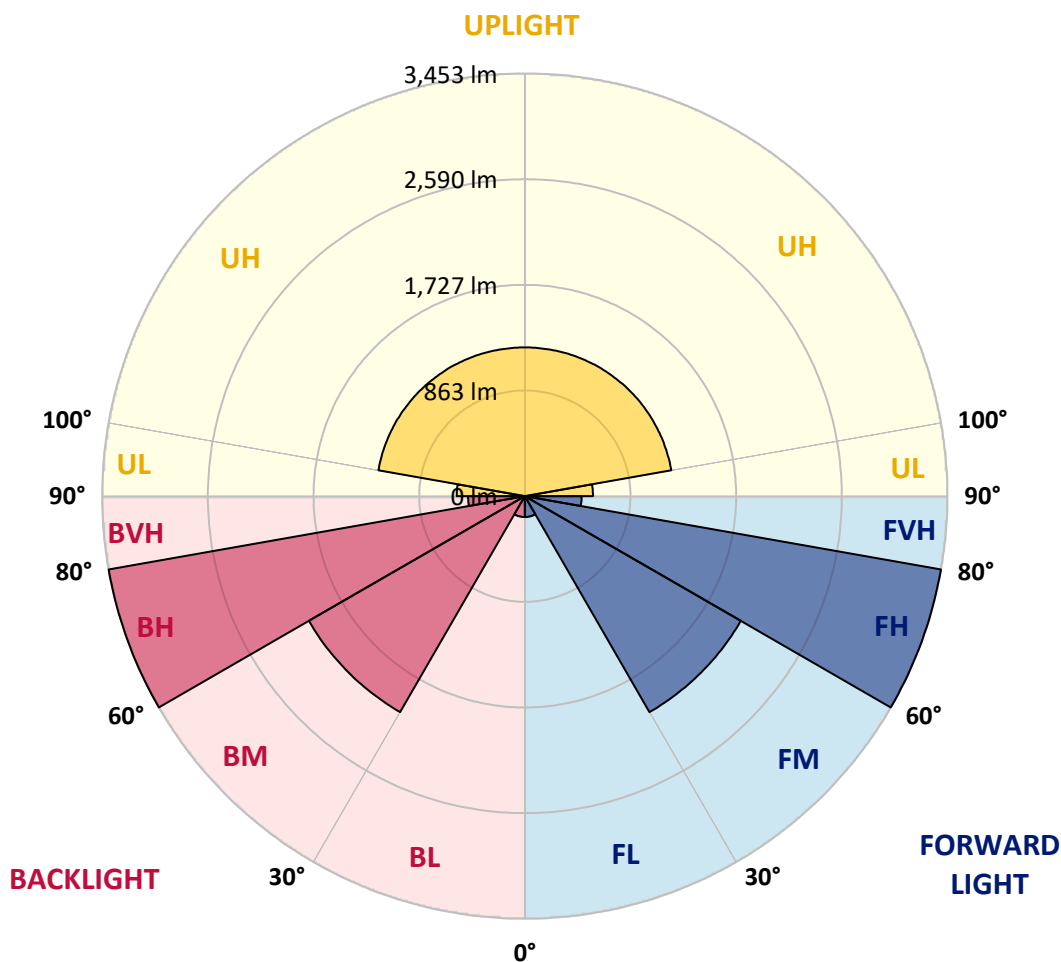
CATALOG NUMBER: FFX-CLB-90-750-U-FR-T5-UPLR

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.8	1.2			
FM (30°-60°)	2037.6	14.5			
FH (60°-80°)	3453.0	24.6			G2/5000
FVH (80°-90°)	464.0	3.3			G3/500
BL (0°-30°)	170.8	1.2	B1/500		
BM (30°-60°)	2037.6	14.5	B2/2500		
BH (60°-80°)	3453.0	24.6	B4/5000		G2/5000
BVH (80°-90°)	464.0	3.3			G3/500
UL (90°-100°)	556.8	4.0		U4/1000	
UH (100°-180°)	1215.2	8.7		U5	

**BUG Rating: B4-U5-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5
2.5°	367.6	373.4	357.3	344.1	338.3	339.8	352.9	366.1	352.9	357.3	357.3
5°	304.6	306.1	306.1	303.1	307.5	298.8	288.5	288.5	298.8	310.5	310.5
7.5°	294.4	298.8	310.5	310.5	314.9	300.2	285.6	287.0	301.7	319.3	323.6
10°	303.1	303.1	300.2	303.1	313.4	311.9	295.8	288.5	298.8	316.3	322.2
12.5°	316.3	316.3	325.1	338.3	339.8	326.6	310.5	309.0	320.7	332.4	332.4
15°	335.4	336.8	341.2	339.8	344.1	339.8	335.4	338.3	345.6	345.6	345.6
17.5°	360.3	360.3	360.3	360.3	360.3	361.7	363.2	363.2	363.2	366.1	366.1
20°	388.1	388.1	386.6	385.2	385.2	386.6	388.1	388.1	388.1	391.0	391.0
22.5°	423.2	421.8	418.8	418.8	418.8	420.3	417.4	415.9	414.4	415.9	415.9
25°	464.2	464.2	461.3	456.9	456.9	455.4	451.1	449.6	448.1	451.1	449.6
27.5°	505.2	505.2	500.8	495.0	495.0	495.0	492.1	489.1	486.2	487.7	487.7
30°	543.3	540.4	538.9	534.5	533.1	534.5	531.6	531.6	525.7	524.3	527.2
32.5°	578.5	575.5	578.5	574.1	569.7	574.1	572.6	572.6	563.8	560.9	563.8
35°	675.1	667.8	673.7	663.4	657.5	659.0	661.9	667.8	659.0	654.6	656.1
37.5°	779.1	777.6	796.7	812.8	809.8	785.0	768.8	771.8	783.5	799.6	799.6
40°	875.8	872.8	877.2	871.4	871.4	868.4	867.0	874.3	850.9	845.0	840.6
42.5°	976.8	975.3	950.4	915.3	908.0	937.3	950.4	960.7	927.0	915.3	906.5
45°	1076.4	1055.9	1051.5	1039.8	1028.1	1047.1	1045.6	1053.0	1036.8	1035.4	1028.1
47.5°	1285.8	1247.7	1234.5	1236.0	1211.1	1231.6	1240.4	1263.8	1230.2	1231.6	1230.2
50°	1663.6	1615.3	1637.3	1622.6	1596.3	1621.2	1619.7	1662.2	1606.5	1627.0	1618.2
52.5°	2253.8	2187.9	2201.1	2192.3	2165.9	2217.2	2228.9	2291.9	2185.0	2211.3	2204.0
55°	3107.6	3035.8	3065.1	2959.7	2931.9	3032.9	3071.0	3144.2	3002.2	3016.8	3009.5
57.5°	3921.8	3917.4	3967.2	3892.6	3867.7	3939.4	3904.3	3968.7	3892.6	3946.7	3929.2
60°	4476.9	4488.6	4538.4	4560.3	4516.4	4554.5	4469.6	4517.9	4494.4	4573.5	4566.2
62.5°	4765.4	4803.4	4774.2	4775.6	4727.3	4756.6	4740.5	4768.3	4762.4	4769.8	4762.4
65°	4771.2	4818.1	4753.7	4724.4	4703.9	4715.6	4743.4	4743.4	4725.8	4673.1	4684.8
67.5°	4459.3	4529.6	4457.8	4416.8	4428.5	4424.2	4443.2	4418.3	4408.0	4330.4	4331.9
70°	3691.9	3804.7	3699.2	3661.2	3691.9	3711.0	3709.5	3689.0	3672.9	3576.2	3604.1
72.5°	2803.0	2902.6	2808.8	2794.2	2823.5	2852.8	2827.9	2852.8	2826.4	2782.5	2795.7
75°	2116.2	2201.1	2201.1	2256.7	2265.5	2249.4	2180.6	2208.4	2226.0	2227.5	2240.6
77.5°	1556.7	1646.1	1692.9	1783.7	1779.3	1751.5	1668.0	1700.2	1733.9	1757.4	1773.5
80°	1107.1	1174.5	1243.3	1307.8	1316.6	1293.1	1241.9	1260.9	1281.4	1297.5	1306.3
82.5°	858.2	888.9	875.8	868.4	880.1	913.8	925.5	937.3	908.0	888.9	896.3
85°	748.3	751.3	774.7	790.8	795.2	795.2	783.5	792.3	799.6	818.6	818.6
87.5°	682.4	685.4	743.9	760.1	765.9	758.6	743.9	749.8	755.7	767.4	767.4
90°	606.3	615.1	673.7	686.8	692.7	681.0	676.6	681.0	673.7	678.0	678.0
92.5°	563.8	563.8	591.6	585.8	584.3	585.8	587.3	591.6	584.3	581.4	581.4
95°	515.5	522.8	515.5	521.3	519.9	512.6	509.6	512.6	508.2	508.2	511.1
97.5°	432.0	433.5	420.3	424.7	424.7	418.8	411.5	414.4	410.1	413.0	414.4
100°	404.2	399.8	377.8	374.9	373.4	369.0	364.7	364.7	363.2	361.7	363.2
102.5°	395.4	395.4	366.1	360.3	357.3	350.0	344.1	344.1	344.1	344.1	345.6
105°	361.7	372.0	350.0	345.6	341.2	332.4	323.6	322.2	325.1	322.2	326.6
107.5°	328.0	336.8	325.1	325.1	320.7	311.9	306.1	304.6	306.1	303.1	306.1
110°	309.0	313.4	300.2	300.2	297.3	290.0	288.5	287.0	287.0	282.6	285.6



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 CATALOG NUMBER: FFX-CLB-90-750-U-FR-T5-UPLR

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	285.6	285.6	275.3	272.4	272.4	268.0	266.5	265.1	265.1	265.1	266.5
115°	284.1	282.6	266.5	256.3	254.8	253.4	254.8	253.4	253.4	251.9	251.9
117.5°	347.1	332.4	278.2	253.4	253.4	254.8	260.7	256.3	246.0	246.0	244.6
120°	374.9	377.8	320.7	294.4	288.5	281.2	279.7	276.8	266.5	265.1	270.9
122.5°	331.0	345.6	310.5	300.2	294.4	285.6	279.7	278.2	278.2	270.9	281.2
125°	257.7	270.9	253.4	251.9	250.4	251.9	249.0	249.0	251.9	247.5	249.0
127.5°	221.1	227.0	219.7	219.7	218.2	216.7	213.8	215.3	213.8	215.3	216.7
130°	212.3	216.7	209.4	206.5	206.5	208.0	208.0	208.0	203.6	200.6	202.1
132.5°	210.9	209.4	197.7	191.8	191.8	202.1	206.5	206.5	196.2	188.9	188.9
135°	190.4	191.8	190.4	183.1	184.5	187.5	191.8	193.3	183.1	178.7	180.1
137.5°	183.1	187.5	188.9	186.0	186.0	183.1	181.6	183.1	180.1	181.6	181.6
140°	183.1	184.5	188.9	191.8	188.9	186.0	186.0	186.0	187.5	191.8	194.8
142.5°	187.5	188.9	187.5	186.0	190.4	197.7	203.6	203.6	199.2	196.2	197.7
145°	215.3	219.7	219.7	215.3	218.2	215.3	215.3	212.3	212.3	212.3	213.8
147.5°	205.0	203.6	206.5	210.9	206.5	205.0	205.0	206.5	209.4	210.9	212.3
150°	161.1	156.7	159.6	168.4	166.9	166.9	166.9	168.4	169.9	169.9	171.3
152.5°	127.4	127.4	130.3	130.3	131.8	131.8	130.3	130.3	130.3	131.8	131.8
155°	114.2	112.8	115.7	120.1	117.2	117.2	117.2	117.2	117.2	117.2	118.6
157.5°	99.6	98.1	98.1	99.6	99.6	99.6	99.6	101.0	101.0	99.6	101.0
160°	90.8	90.8	89.3	89.3	89.3	90.8	92.3	92.3	90.8	89.3	89.3
162.5°	86.4	86.4	83.5	82.0	82.0	83.5	86.4	86.4	83.5	82.0	82.0
165°	86.4	84.9	80.5	77.6	77.6	80.5	84.9	84.9	80.5	77.6	77.6
167.5°	84.9	84.9	82.0	79.1	79.1	82.0	83.5	84.9	83.5	80.5	79.1
170°	82.0	82.0	83.5	83.5	82.0	82.0	82.0	82.0	83.5	83.5	83.5
172.5°	84.9	83.5	84.9	86.4	86.4	84.9	83.5	83.5	84.9	86.4	86.4
175°	86.4	86.4	84.9	84.9	84.9	83.5	83.5	83.5	84.9	86.4	84.9
177.5°	77.6	77.6	76.2	77.6	77.6	77.6	76.2	77.6	77.6	77.6	79.1
180°	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2



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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

**Test Information**

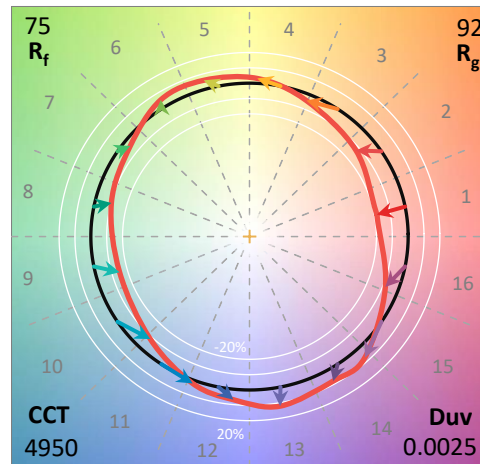
Test Method: LM-79-2019  
 Report Number: SP1-2406-133-5  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 07/12/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Streetworks  
 Catalog Number: **FFX-CLB-100-750-U-FR-T5**  
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

**Spectral Parameters**

CCT (K): 4950  
 CIE u': 0.2102  
 CIE v': 0.4882  
 Duv: 0.0025  
 CIE x: 0.3471  
 CIE y: 0.3583  
 CIE z: 0.2946  
 Peak Wavelength (nm): 452  
 Dominant Wavelength (nm): 571  
 Purity: 11.64963  
 Rf: 74.8  
 Rg: 92.4

CRI (Ra): 73.0

R1: 69.1	R9: -35.4
R2: 80.1	R10: 51.9
R3: 87.3	R11: 66.1
R4: 70.6	R12: 40.1
R5: 69.4	R13: 71.5
R6: 71.2	R14: 93.0
R7: 82.5	R15: 62.2
R8: 53.6	



**Test Conditions**

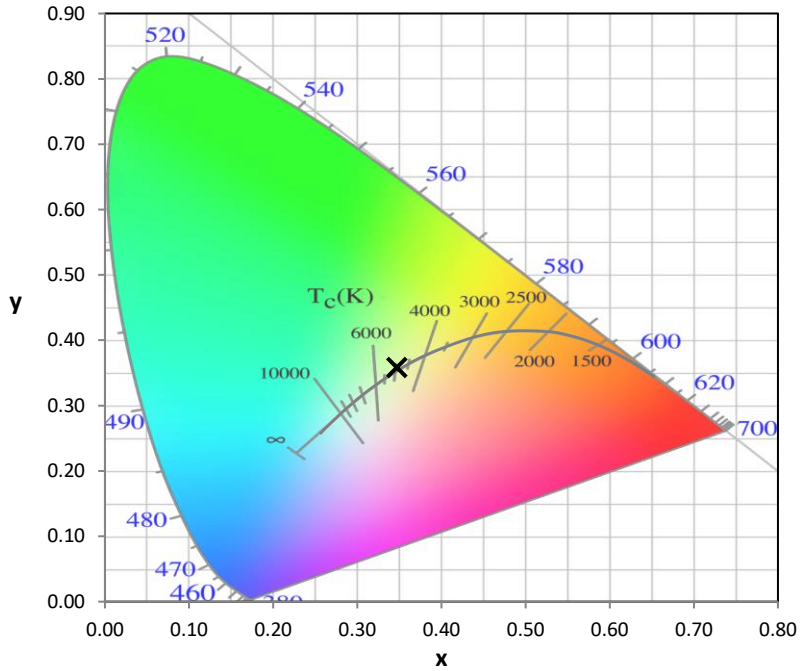
Stabilization Time: 0.803355M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-5

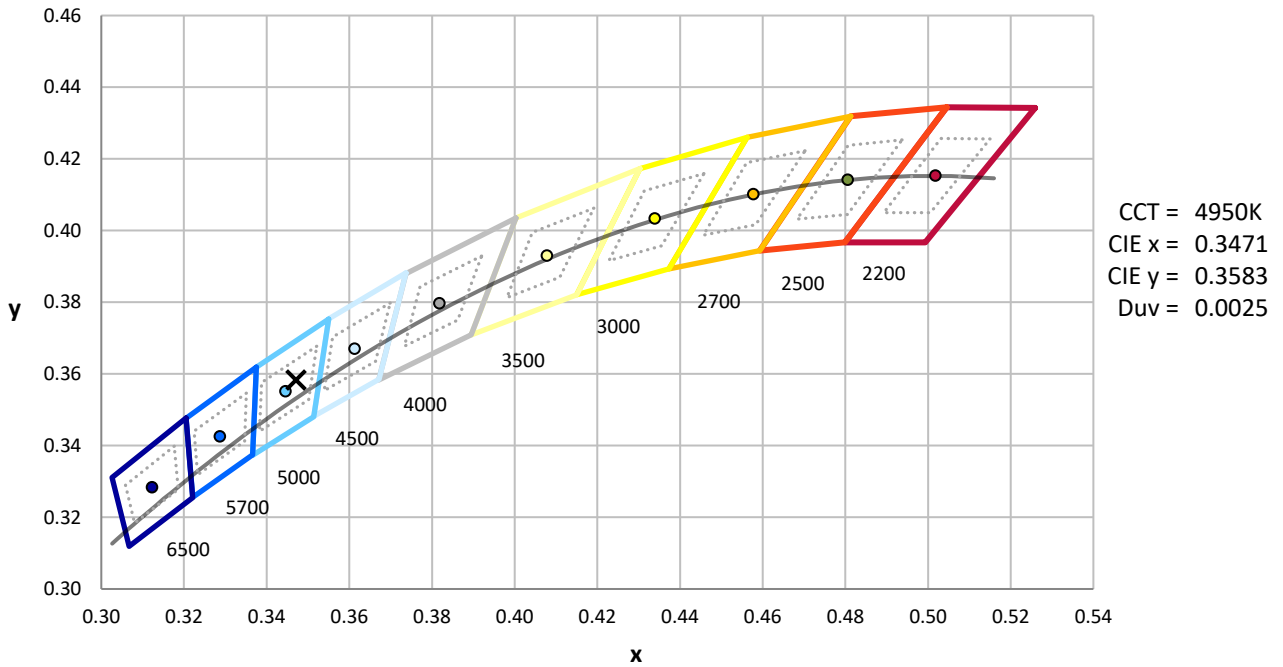
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



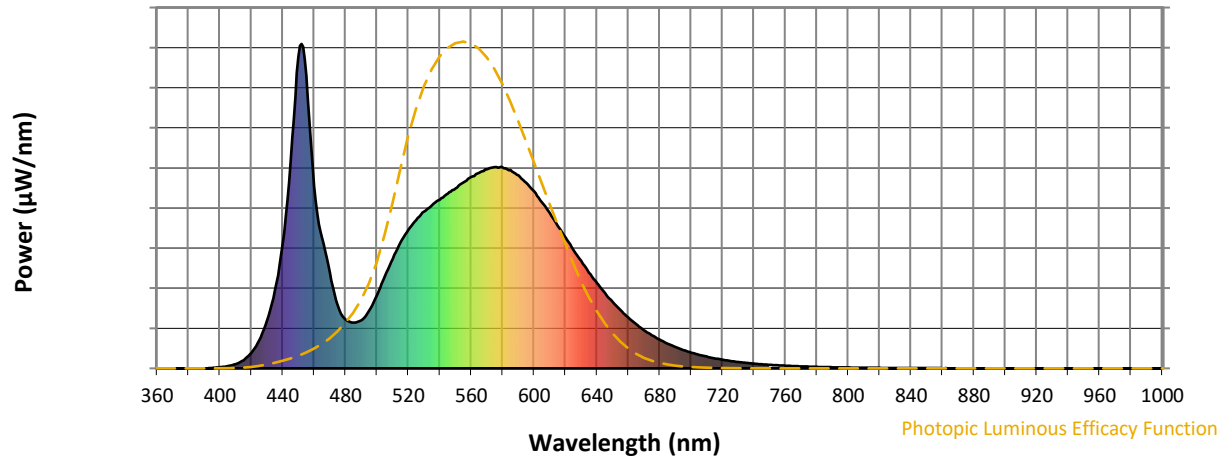
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

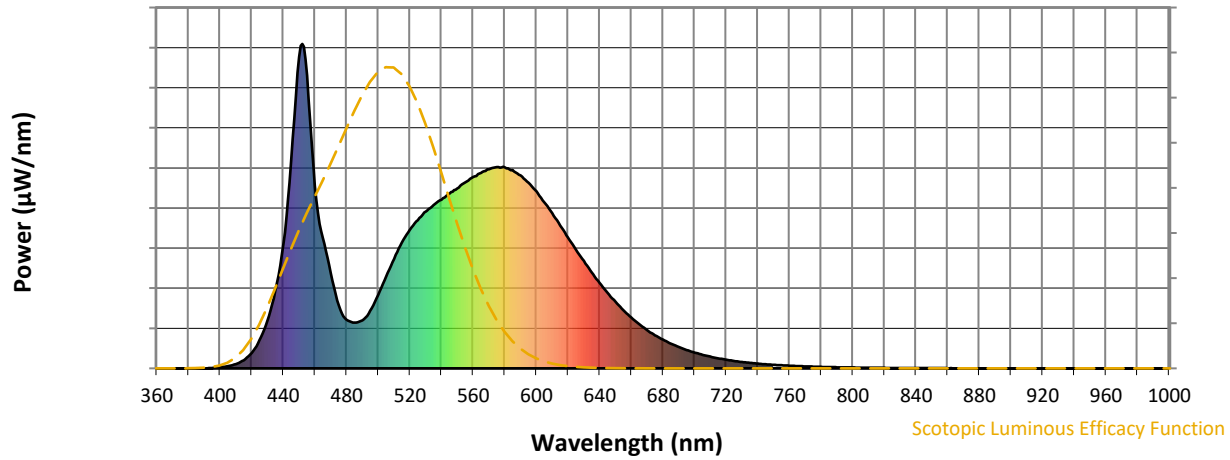


**Photopic Lumens: NR**

$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )
360	0	NR	490	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2406-133-5

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.8**

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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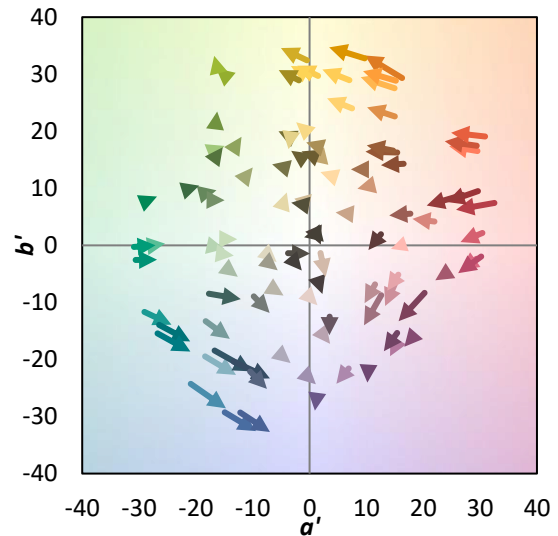
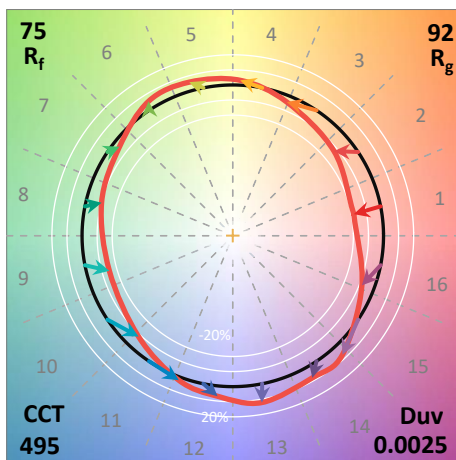
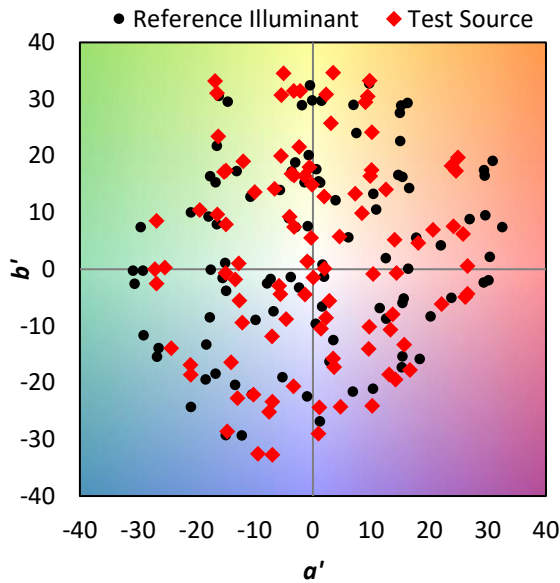
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**Summary**

$R_f = 74.8$   
 $R_g = 92.4$   
 CIE  $R_a = 73.0$   
 $R_9 = -35.4$



**Color Vector Graphics**



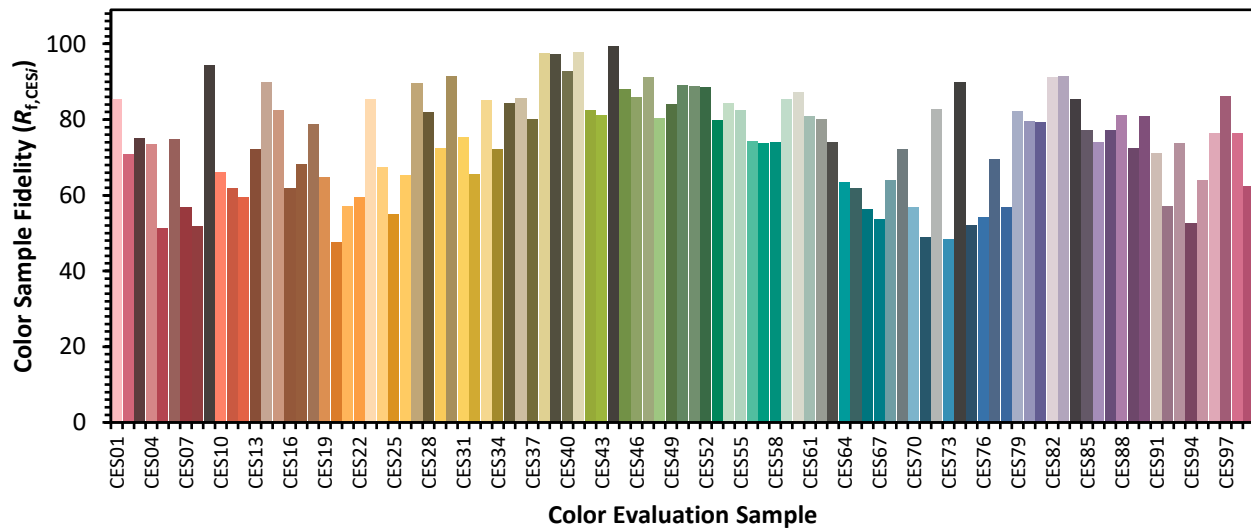


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

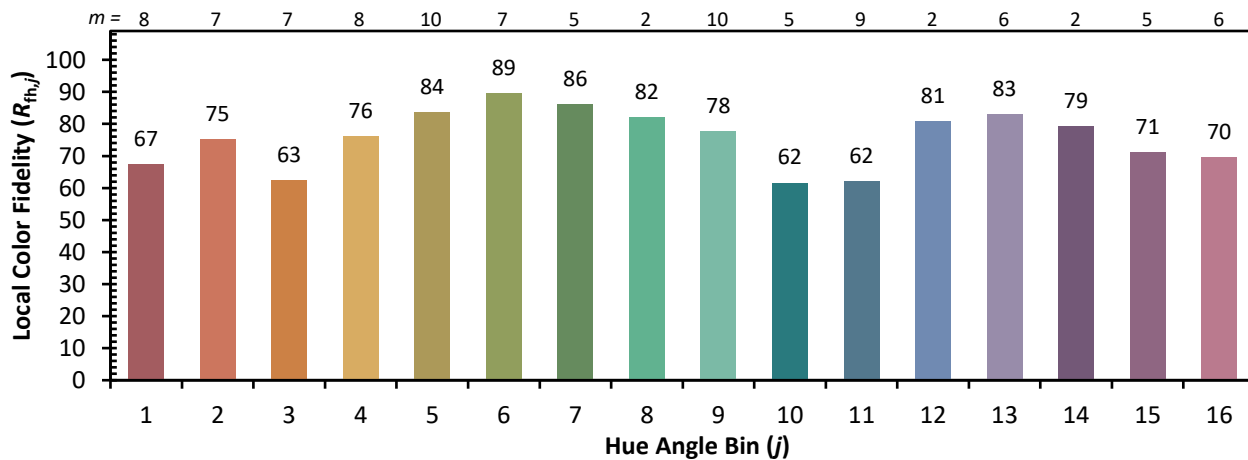
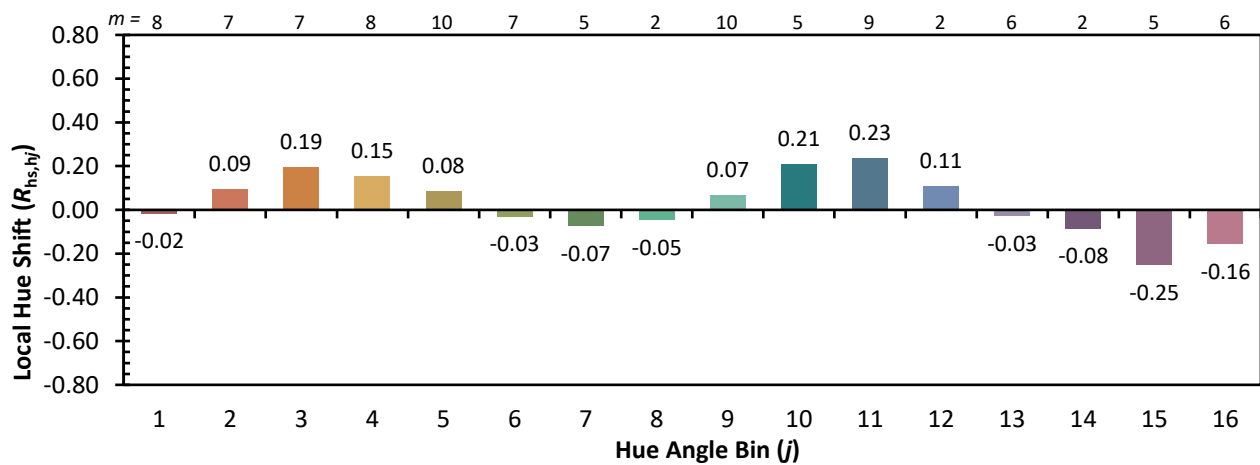
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CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	



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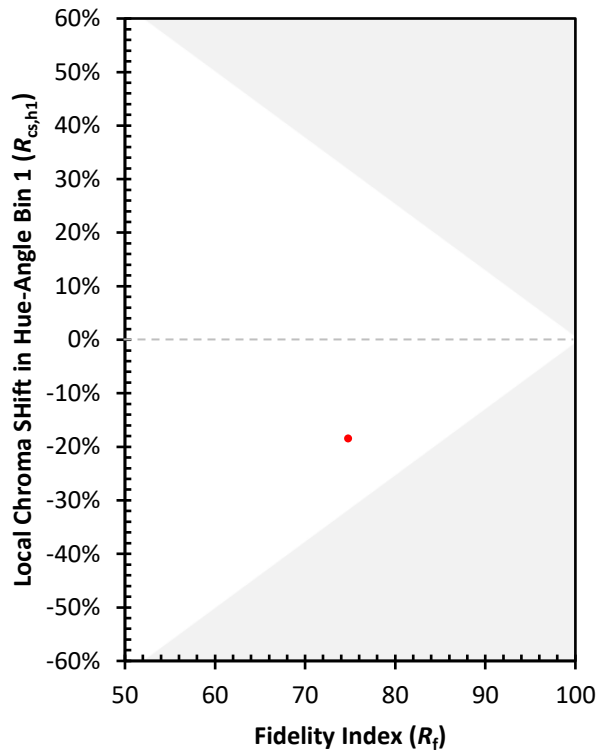
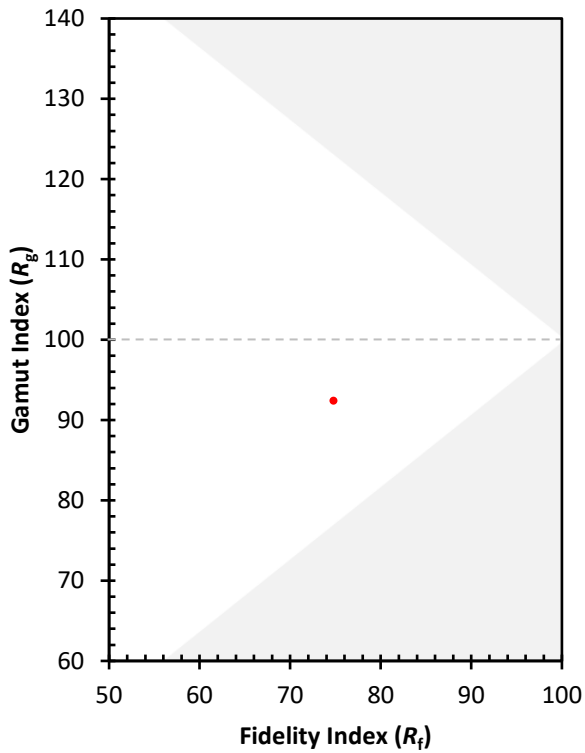
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)