

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: P856413

Luminaire Tested: **FFX-CLB-40-750-U-VM9**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856413  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-40-750-U-VM9  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK  
Light Source: (6) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

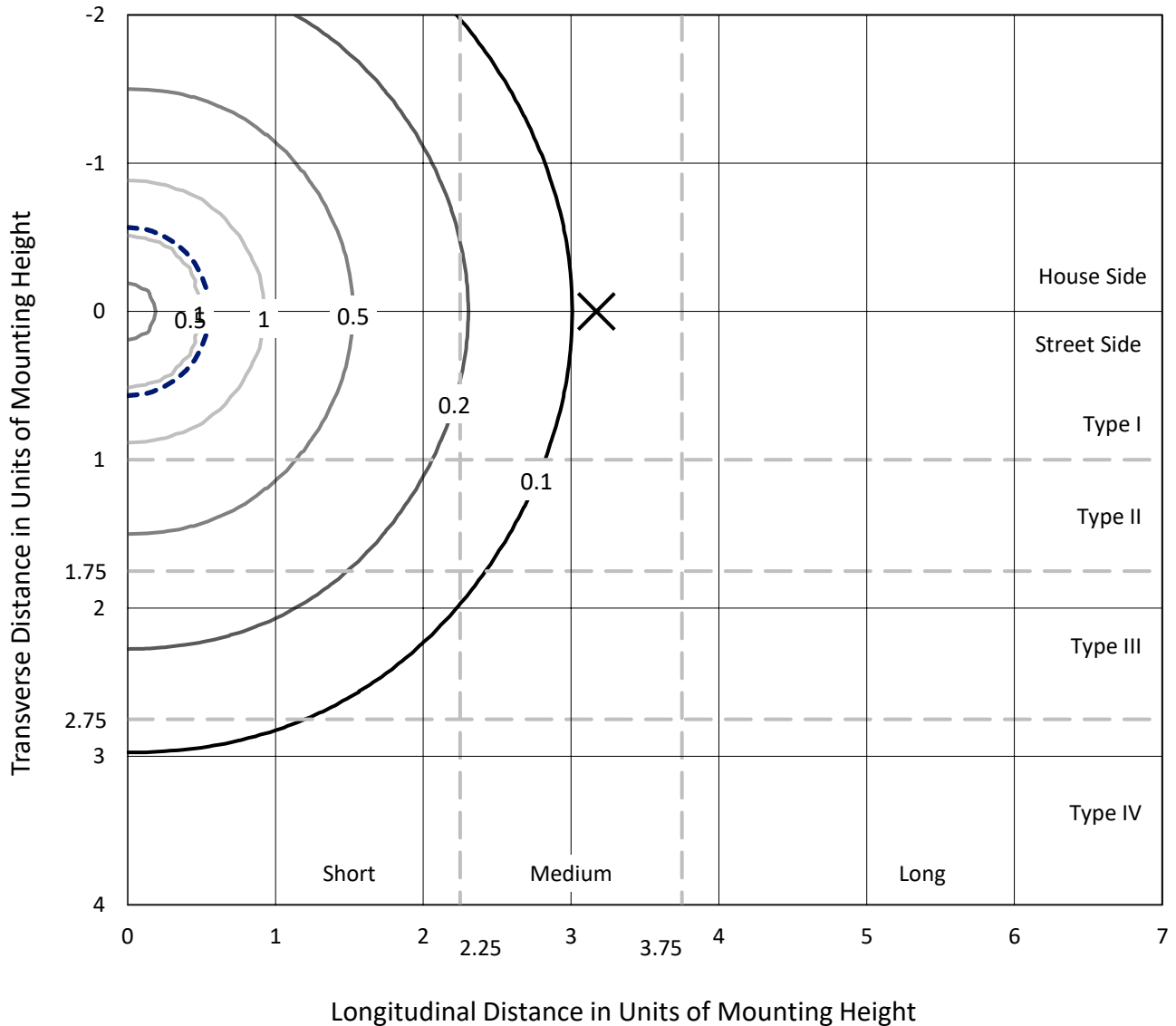
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6335.8 lumens  
Efficiency: N/A  
Efficacy: 161.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')  
IES Classification: Type V - Short  
BUG Rating: B2 - U5 - G3  
  
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: P856413  
 CATALOG NUMBER: FFX-CLB-40-750-U-VM9

### Iso-Footcandle Lines of Horizontal Illumination

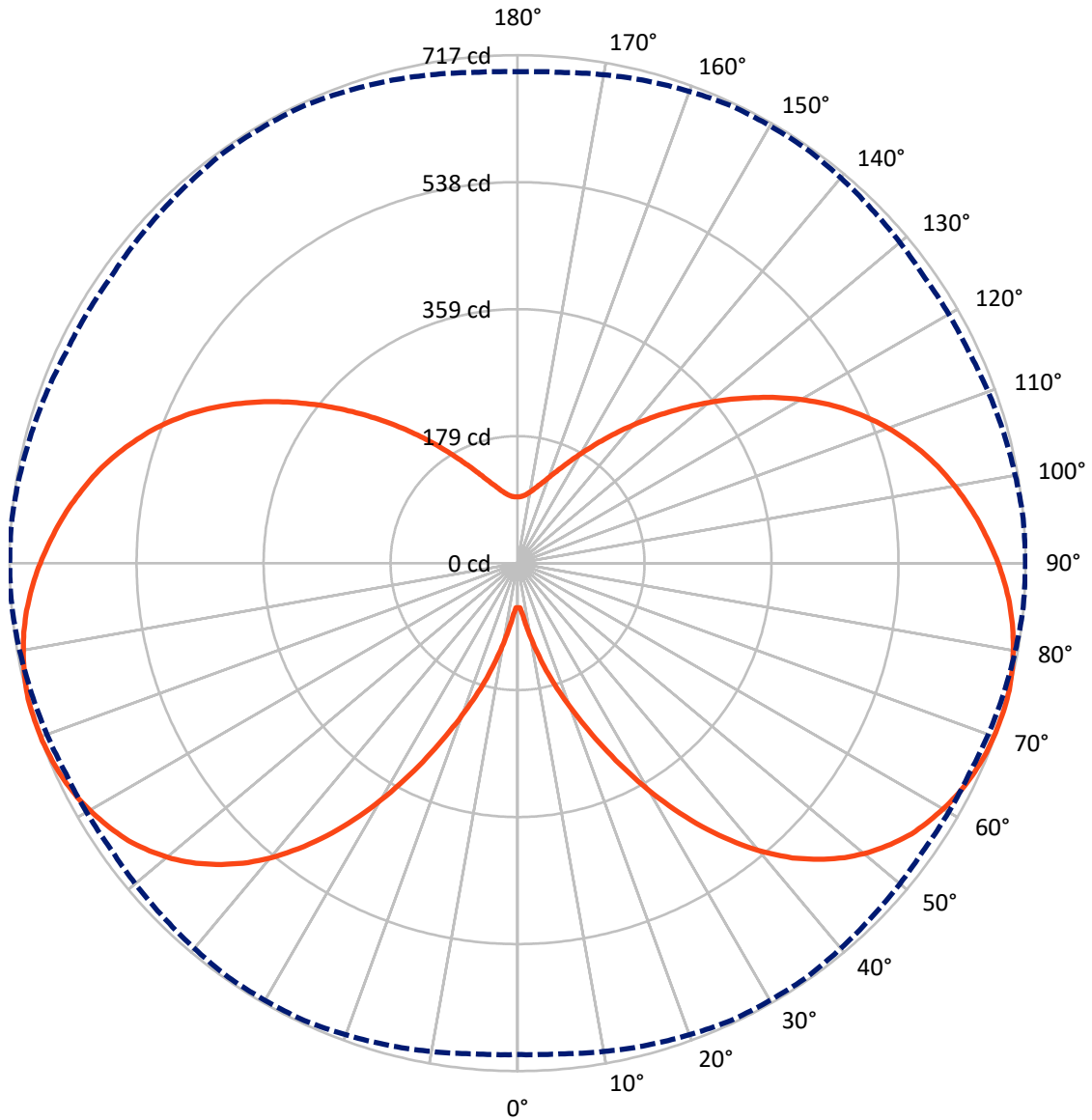
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P856413  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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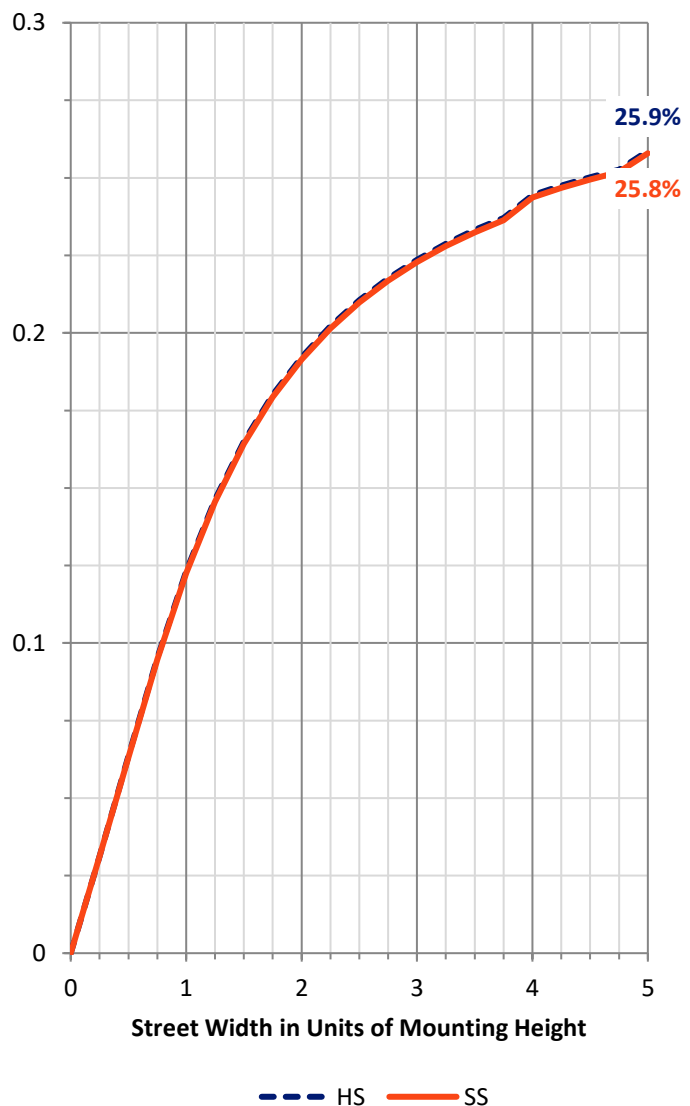
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1855.7	1312.2	3167.9
	% Fixture	29.3	20.7	50.0
<b>Street Side</b>	Lumens	1855.7	1312.2	3167.9
	% Fixture	29.3	20.7	50.0
<b>Total</b>	Lumens	3711.4	2624.4	6335.8
	% Fixture	58.6	41.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	47.5	0.8
20°-30°	137.3	2.2
30°-40°	285.7	4.5
40°-50°	453.4	7.2
50°-60°	595.1	9.4
60°-70°	693.9	11.0
70°-80°	745.3	11.8
80°-90°	745.0	11.8
90°-100°	697.4	11.0
100°-110°	611.9	9.7
110°-120°	492.1	7.8
120°-130°	353.4	5.6
130°-140°	227.2	3.6
140°-150°	131.8	2.1
150°-160°	69.2	1.1
160°-170°	32.2	0.5
170°-180°	9.3	0.1
0°-90°	3711.4	58.6
0°-180°	6335.8	100.0



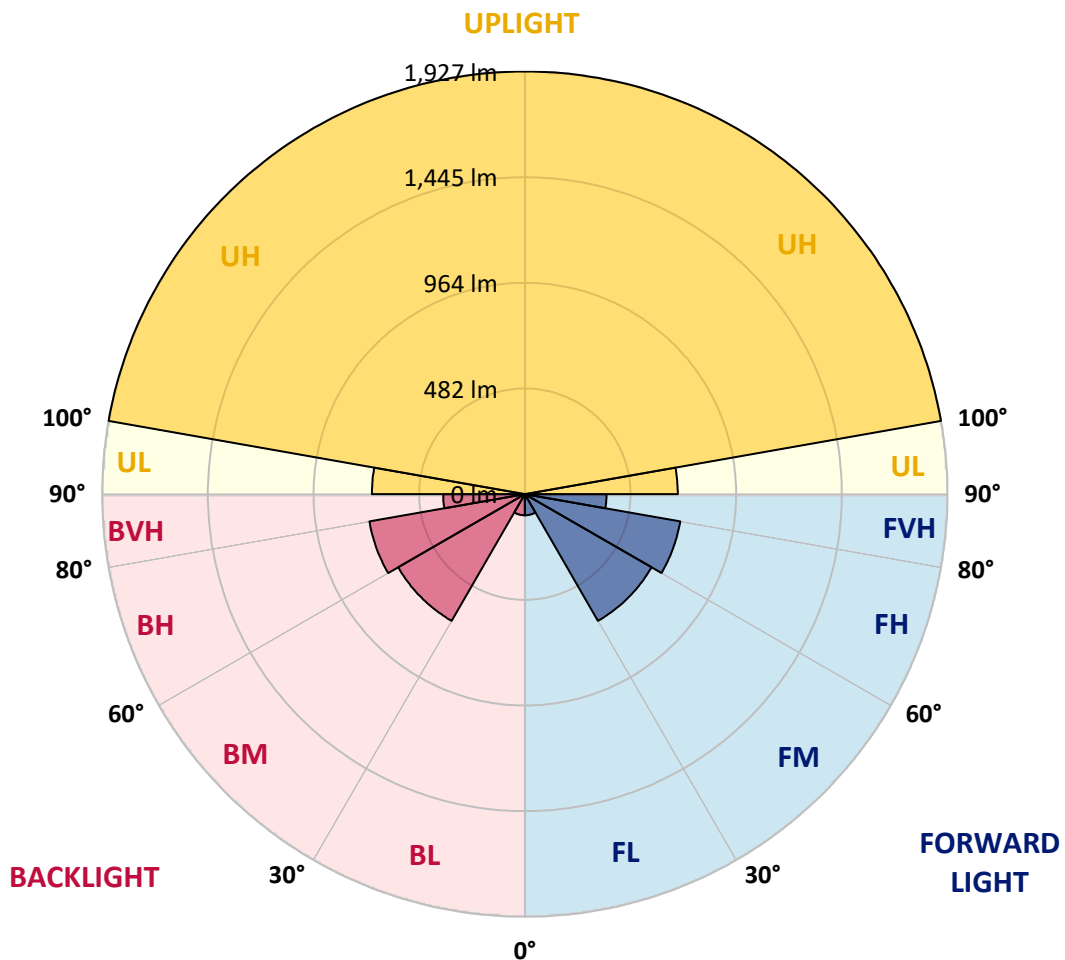
REPORT NUMBER: P856413  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.5	1.5			
FM (30°-60°)	667.1	10.5			
FH (60°-80°)	719.6	11.4			G1/1800
FVH (80°-90°)	372.5	5.9			G3/500
BL (0°-30°)	96.5	1.5	B0/110		
BM (30°-60°)	667.1	10.5	B1/1000		
BH (60°-80°)	719.6	11.4	B2/1000		G1/1800
BVH (80°-90°)	372.5	5.9			G3/500
UL (90°-100°)	697.4	11.0		U4/1000	
UH (100°-180°)	1927.1	30.4		U5	

**BUG Rating: B2-U5-G3**

Type V Short





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 CATALOG NUMBER: FFX-CLB-40-750-U-VM9

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
2.5°	65.3	65.3	64.8	64.8	64.4	64.0	64.0	63.6	63.2	63.2	63.2
5°	72.6	72.2	72.2	72.2	72.2	71.8	72.2	71.8	71.8	71.8	72.2
7.5°	88.5	88.1	88.1	88.1	88.5	88.5	88.9	89.3	89.7	89.7	89.7
10°	109.3	108.9	108.9	108.5	109.3	109.3	109.7	108.9	110.1	110.1	110.5
12.5°	133.8	133.4	133.4	133.0	133.8	133.4	134.2	133.4	135.4	134.6	134.6
15°	160.3	160.3	159.9	159.5	160.7	160.7	161.5	161.5	162.7	161.9	162.3
17.5°	188.4	188.0	188.0	187.6	188.8	188.8	188.8	189.6	191.3	189.6	190.9
20°	218.6	218.2	218.2	217.8	219.0	219.0	219.8	220.2	221.9	220.6	221.4
22.5°	251.2	250.8	250.8	250.8	252.4	252.9	252.9	254.1	256.1	254.1	255.7
25°	287.5	287.1	287.1	288.3	289.6	290.0	290.8	292.4	294.4	292.4	294.4
27.5°	326.3	325.9	326.7	328.3	329.5	330.3	331.6	332.0	334.8	332.8	335.6
30°	366.2	365.8	366.6	368.7	370.3	372.8	372.8	374.0	378.1	375.2	378.1
32.5°	405.8	405.4	406.6	409.0	411.5	413.9	414.3	416.0	420.1	418.0	420.9
35°	444.9	444.5	446.2	449.4	451.9	454.3	455.1	456.8	461.2	459.2	462.1
37.5°	482.0	482.0	483.7	487.3	490.2	493.5	493.1	495.1	499.2	498.0	500.8
40°	516.7	516.7	518.8	523.2	526.5	528.5	528.1	530.2	534.7	534.2	536.7
42.5°	548.1	548.1	551.0	555.5	558.7	559.9	559.9	562.0	566.9	566.5	568.9
45°	574.6	575.8	579.1	584.0	586.9	588.1	587.3	589.3	594.6	594.6	596.6
47.5°	599.1	600.7	604.0	608.9	610.9	612.1	611.3	613.0	618.3	619.1	621.1
50°	620.3	621.5	625.6	630.9	632.9	632.9	631.7	633.3	639.1	640.7	642.3
52.5°	638.7	639.9	644.4	650.1	651.3	650.9	649.3	650.9	656.6	658.2	659.5
55°	653.3	654.6	659.9	665.6	666.8	665.6	663.1	665.2	670.5	672.9	674.9
57.5°	665.2	666.4	672.5	678.2	679.4	677.0	674.1	676.2	682.3	685.1	686.0
60°	674.9	676.2	682.7	688.8	689.6	686.8	683.5	685.6	691.7	694.9	695.7
62.5°	682.7	683.9	690.9	697.8	698.2	694.5	690.9	692.9	699.0	702.7	703.9
65°	688.0	689.2	697.0	703.9	704.7	700.2	696.6	698.6	704.3	708.8	709.6
67.5°	691.7	692.9	701.5	708.8	709.2	704.3	700.2	701.9	708.4	712.9	713.7
70°	693.3	694.5	703.5	711.2	711.7	706.4	701.5	703.5	710.0	715.3	716.1
72.5°	693.7	695.3	704.7	712.5	712.9	706.8	701.9	703.5	710.4	716.5	717.0
75°	692.1	694.1	703.9	712.1	712.1	705.1	699.8	701.5	709.2	715.7	717.0
77.5°	690.0	691.3	701.5	709.6	709.2	701.9	695.7	698.2	705.9	713.3	714.1
80°	685.6	687.2	697.4	705.1	704.3	696.2	690.4	692.9	701.0	708.8	709.6
82.5°	679.8	681.5	691.7	698.6	697.8	689.2	683.5	686.4	694.9	703.1	703.9
85°	672.9	674.5	684.3	690.9	689.6	681.1	675.4	677.8	687.2	695.3	696.2
87.5°	663.9	665.6	675.4	681.1	679.8	670.9	666.0	669.2	677.8	686.4	686.8
90°	653.7	655.8	664.3	669.6	668.0	659.9	655.4	658.6	667.2	675.4	676.2
92.5°	643.5	644.4	652.5	657.0	655.8	648.4	644.4	648.0	655.8	663.9	663.9
95°	631.3	632.5	639.9	643.5	642.3	636.2	632.5	636.6	643.5	651.3	651.7
97.5°	618.3	619.5	625.6	629.3	628.0	622.7	620.3	624.4	630.5	637.8	638.2
100°	604.4	605.2	610.5	613.8	612.6	608.5	606.8	610.9	616.6	623.6	623.6
102.5°	588.9	589.7	593.8	595.8	595.4	592.2	592.2	596.6	601.1	607.7	608.5
105°	572.6	573.4	576.3	577.5	577.1	575.8	576.7	581.1	584.8	590.5	591.3
107.5°	554.2	555.0	556.7	557.1	557.1	557.1	559.9	564.0	568.1	572.2	572.6
110°	534.7	535.1	536.3	535.9	535.9	536.7	540.8	545.3	548.5	552.6	553.0



REPORT NUMBER: P856413  
 CATALOG NUMBER: FFX-CLB-40-750-U-VM9

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	513.4	513.9	514.7	513.0	513.4	515.1	520.4	525.3	527.3	531.4	531.4
115°	491.0	490.6	491.4	489.4	489.0	491.8	497.5	503.3	504.9	507.7	508.1
117.5°	466.6	467.0	466.6	464.1	463.7	467.8	473.1	478.4	480.4	483.7	482.9
120°	441.3	440.9	441.3	438.4	438.0	442.5	447.8	453.1	454.3	457.2	456.4
122.5°	415.6	415.2	414.8	411.9	411.9	415.6	422.1	427.4	426.6	429.8	429.4
125°	389.1	389.1	388.2	385.4	385.4	389.9	395.2	400.1	399.3	402.9	401.7
127.5°	363.0	363.0	362.1	359.7	359.7	363.8	368.7	373.6	372.3	375.6	374.4
130°	337.3	337.3	336.5	334.0	334.0	337.3	342.6	346.6	345.0	347.9	347.5
132.5°	312.8	312.4	312.0	309.5	309.9	313.2	317.3	321.0	319.3	322.6	321.4
135°	289.1	288.7	288.3	285.9	286.3	289.6	293.2	296.1	294.9	296.9	296.5
137.5°	266.7	266.3	265.9	263.9	264.3	266.7	270.4	272.8	271.2	274.1	272.8
140°	245.5	245.1	244.3	243.1	243.5	245.9	248.0	250.8	249.2	251.6	250.4
142.5°	225.1	225.1	224.3	223.1	223.5	225.9	227.6	229.6	228.0	230.0	229.2
145°	206.4	206.4	205.5	204.7	204.7	206.8	208.0	210.0	208.4	210.4	209.6
147.5°	189.2	189.2	188.4	187.6	187.6	189.6	190.5	192.1	190.5	192.1	191.3
150°	173.3	173.3	172.9	172.1	172.5	173.3	174.1	175.4	174.1	175.4	175.0
152.5°	159.5	159.5	159.1	158.6	158.2	159.5	159.9	161.1	159.9	161.1	160.3
155°	147.2	146.8	146.8	146.0	146.0	146.8	147.2	148.0	146.8	148.0	147.6
157.5°	136.2	136.2	135.8	135.4	135.4	135.8	136.2	136.6	135.8	137.0	136.2
160°	126.8	126.8	126.4	126.0	126.0	126.4	126.4	126.8	126.0	126.8	126.4
162.5°	118.7	118.7	118.3	118.3	117.9	118.3	118.7	118.7	118.3	118.7	118.3
165°	112.2	112.2	111.7	111.3	111.3	111.7	111.7	112.2	111.3	111.7	111.7
167.5°	106.0	106.0	106.0	105.6	105.2	105.6	105.6	105.6	105.2	105.6	105.6
170°	101.5	101.5	101.5	101.1	100.7	101.1	101.1	101.1	100.7	101.1	101.1
172.5°	97.9	97.9	97.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
175°	95.4	95.4	95.4	95.4	95.0	95.4	95.4	95.4	95.4	95.4	95.0
177.5°	94.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
180°	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4



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: SP1-2406-133-5

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.

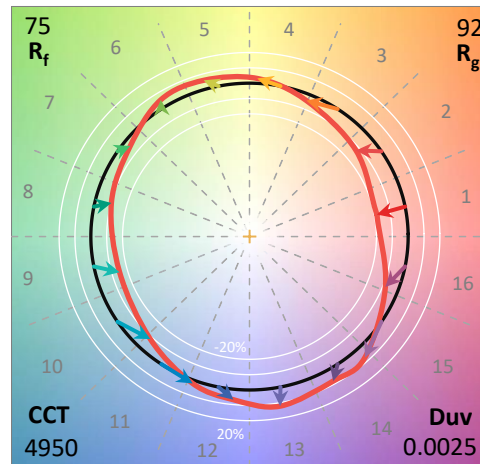
**Test Information**

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**

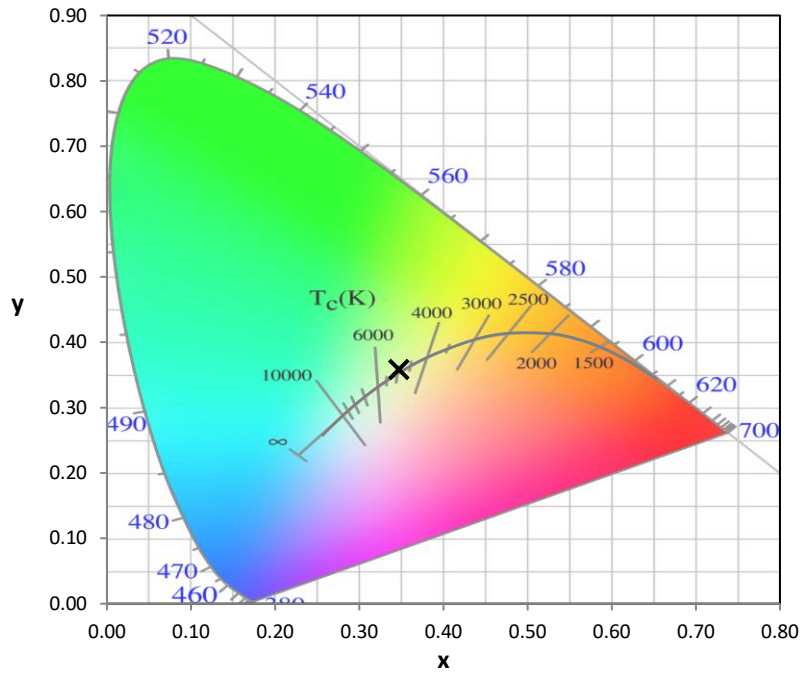
Stabilization Time: 0.803355M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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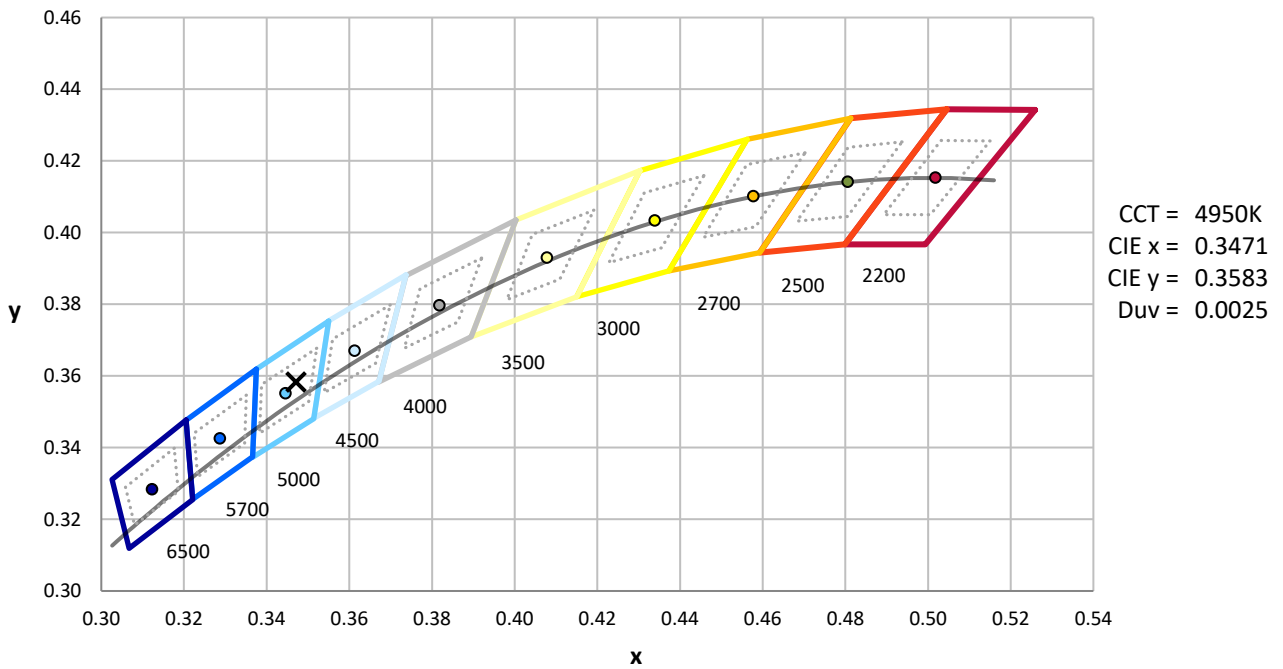
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



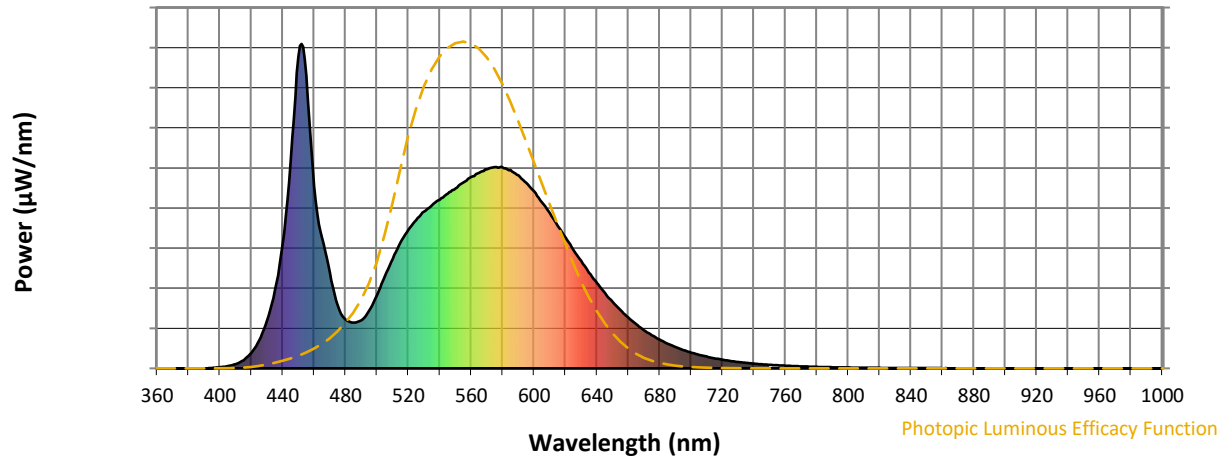
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

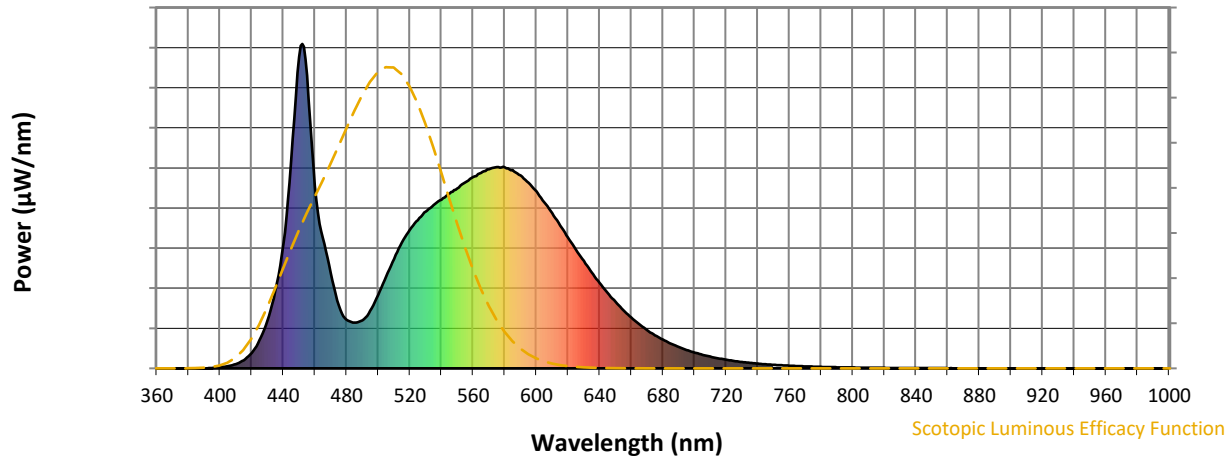


**Photopic Lumens: NR**

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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**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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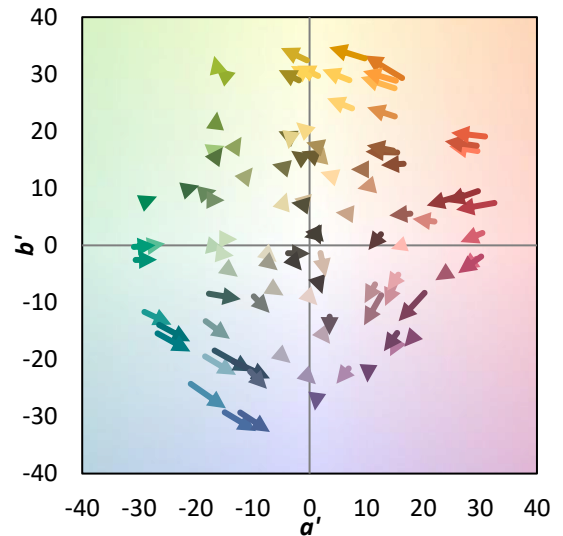
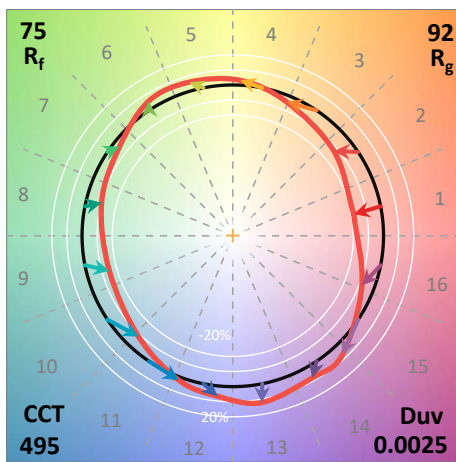
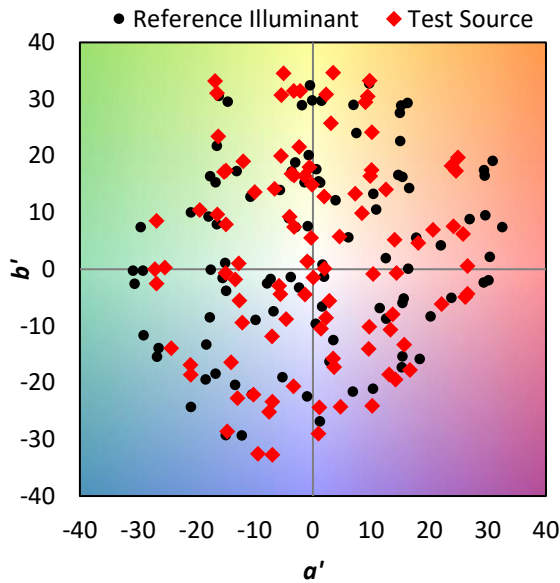
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**Summary**

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



**Color Vector Graphics**



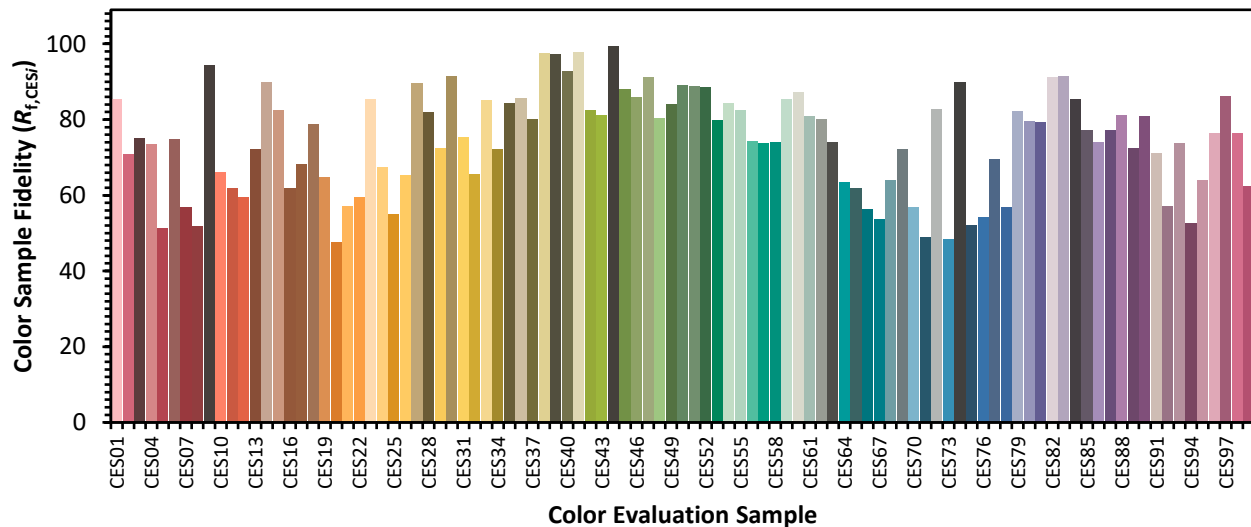


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

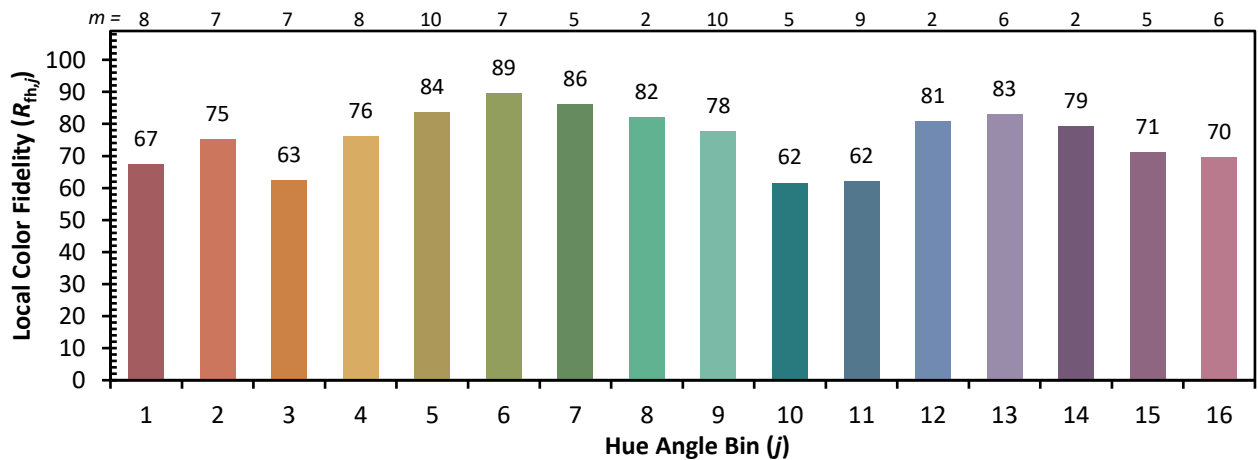
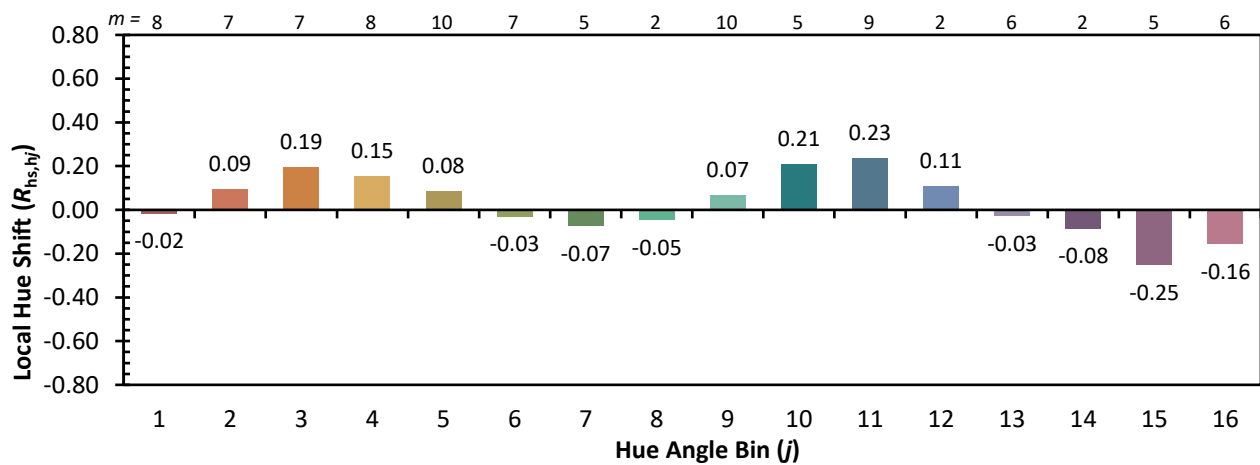
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CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 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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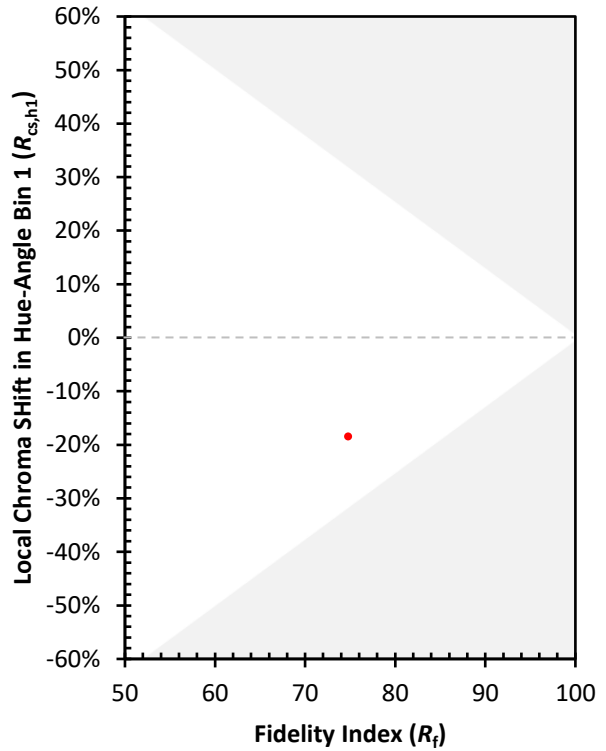
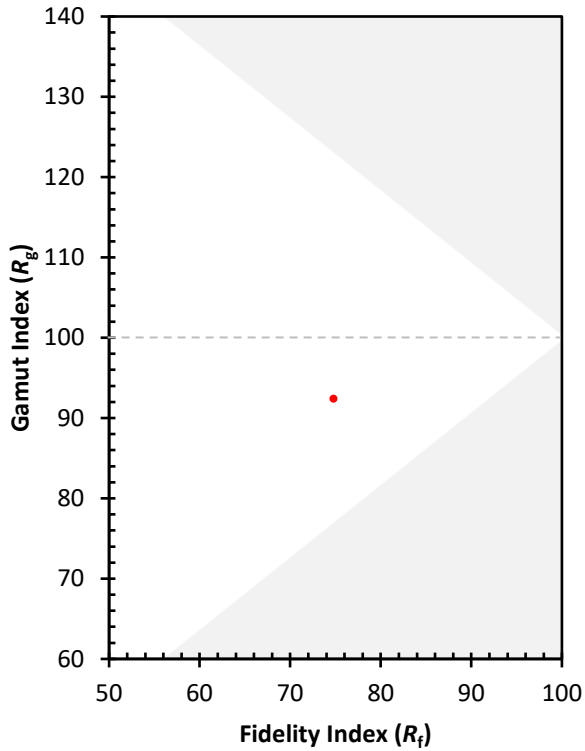
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)