

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: P856367

Luminaire Tested: **FFX-CLB-50-750-U-VM8**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856367  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-50-750-U-VM8  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK  
Light Source: (6) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

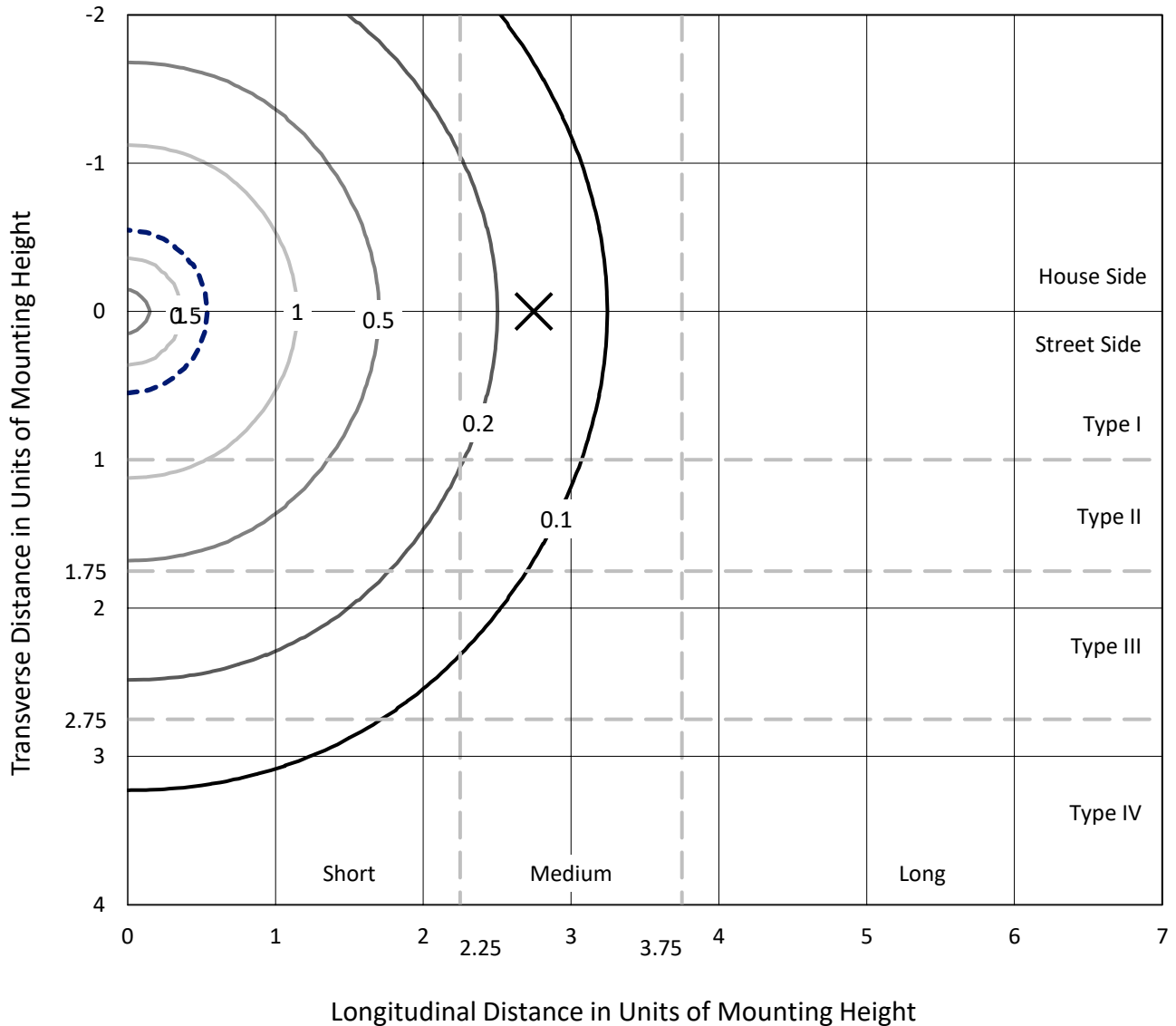
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8140.1 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): 50.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 6.0%%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

REPORT NUMBER: P856367  
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### Iso-Footcandle Lines of Horizontal Illumination

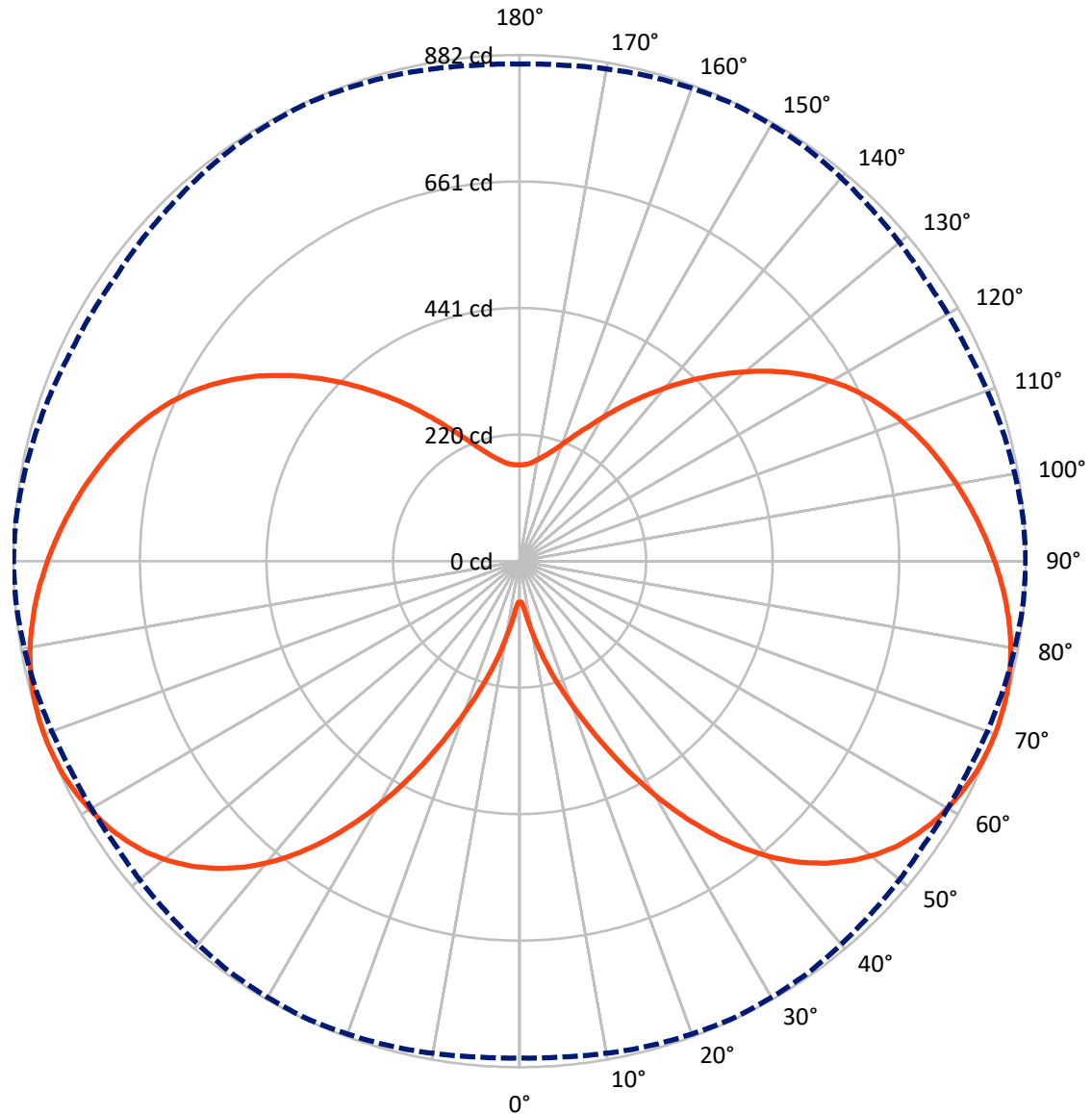
✕ Max cd  
 - - - 1/2 Max cd



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 90-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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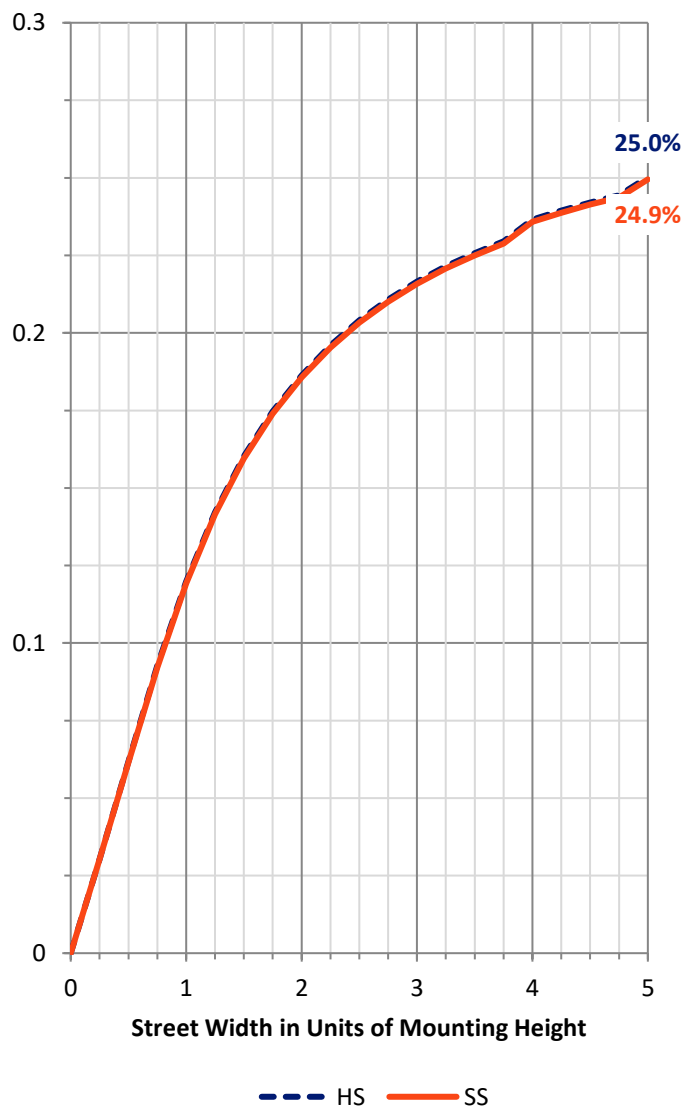
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2305.2	1764.9	4070.1
	% Fixture	28.3	21.7	50.0
<b>Street Side</b>	Lumens	2305.2	1764.9	4070.1
	% Fixture	28.3	21.7	50.0
<b>Total</b>	Lumens	4610.4	3529.7	8140.1
	% Fixture	56.6	43.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.6	0.1
10°-20°	58.3	0.7
20°-30°	173.9	2.1
30°-40°	363.6	4.5
40°-50°	570.6	7.0
50°-60°	740.7	9.1
60°-70°	857.4	10.5
70°-80°	917.8	11.3
80°-90°	918.6	11.3
90°-100°	866.3	10.6
100°-110°	775.1	9.5
110°-120°	651.8	8.0
120°-130°	499.9	6.1
130°-140°	342.0	4.2
140°-150°	208.7	2.6
150°-160°	114.1	1.4
160°-170°	55.3	0.7
170°-180°	16.5	0.2
0°-90°	4610.4	56.6
0°-180°	8140.1	100.0



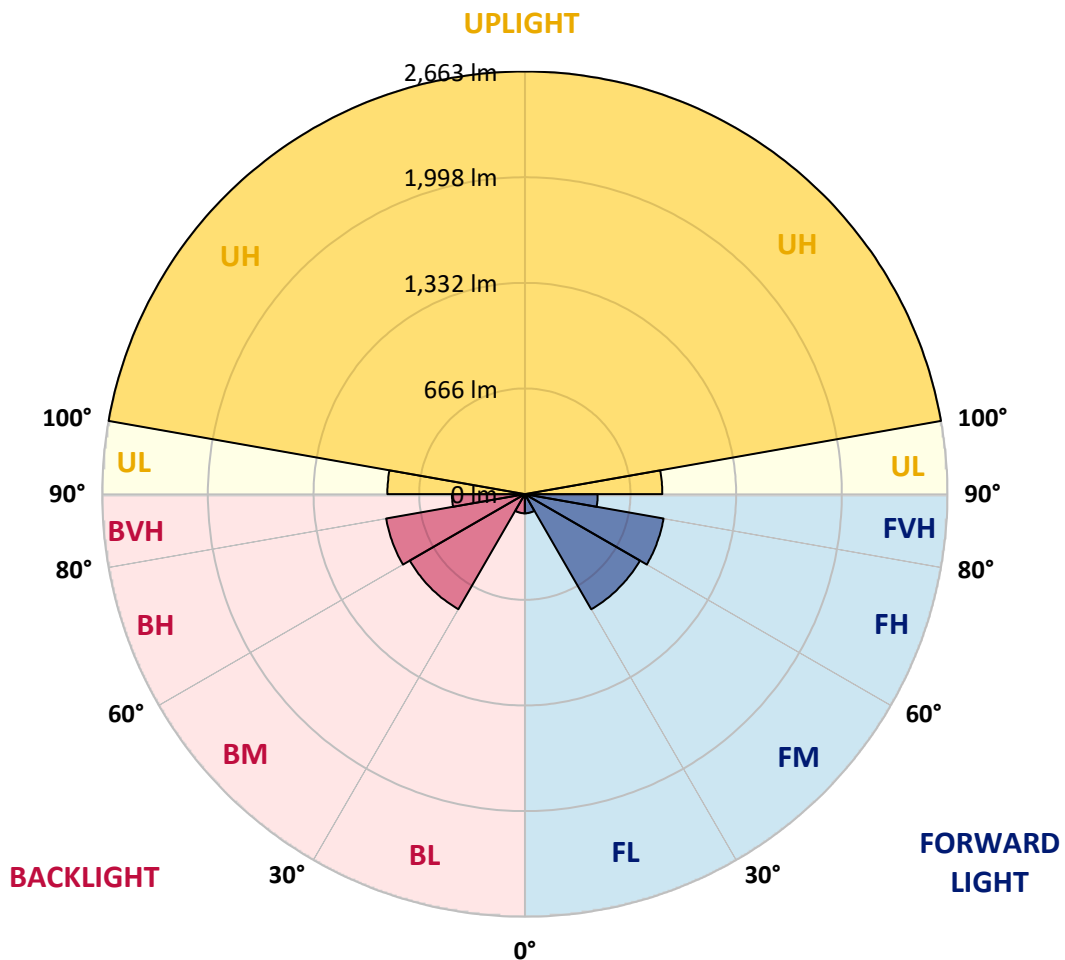
REPORT NUMBER: P856367  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.9	1.5			
FM (30°-60°)	837.4	10.3			
FH (60°-80°)	887.6	10.9			G1/1800
FVH (80°-90°)	459.3	5.6			G3/500
BL (0°-30°)	120.9	1.5	B1/500		
BM (30°-60°)	837.4	10.3	B1/1000		
BH (60°-80°)	887.6	10.9	B2/1000		G1/1800
BVH (80°-90°)	459.3	5.6			G3/500
UL (90°-100°)	866.3	10.6		U4/1000	
UH (100°-180°)	2663.4	32.7		U5	

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

Type V Short





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CATALOG NUMBER: FFX-CLB-50-750-U-VM8

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
2.5°	74.6	74.6	74.1	74.1	73.6	73.0	73.0	73.0	72.5	72.5	72.0
5°	85.0	84.5	84.5	84.0	84.5	84.0	84.0	84.0	84.0	82.9	82.9
7.5°	105.4	104.9	104.9	104.3	105.4	104.3	104.3	104.9	104.9	104.3	104.3
10°	132.0	131.5	131.5	130.4	131.5	130.9	130.9	129.9	130.4	129.9	130.4
12.5°	163.8	162.2	162.2	161.7	162.8	162.2	161.7	160.7	161.7	161.2	161.2
15°	196.7	197.2	196.7	196.2	197.2	197.2	196.7	195.6	196.7	195.6	196.2
17.5°	233.2	233.2	233.2	231.6	233.2	233.7	233.2	232.2	232.7	233.2	233.2
20°	272.8	272.8	273.4	272.3	274.9	273.4	272.8	272.3	272.8	273.4	273.9
22.5°	316.7	316.7	317.2	316.7	318.2	318.2	317.7	317.7	318.2	319.3	319.3
25°	365.2	365.7	365.7	364.1	367.8	368.8	367.8	367.8	368.8	370.4	370.4
27.5°	415.3	417.4	416.3	416.3	421.0	421.5	421.0	421.5	423.1	424.7	425.2
30°	466.9	468.5	470.6	469.0	474.2	474.7	475.3	475.8	477.9	480.5	480.5
32.5°	518.6	520.1	521.2	521.2	528.0	527.4	526.9	529.0	532.1	533.2	534.7
35°	570.2	570.2	571.3	571.8	578.6	578.0	579.1	580.6	583.8	585.9	586.9
37.5°	616.6	615.6	618.2	619.2	624.5	625.0	625.5	628.1	631.8	634.4	635.4
40°	658.9	657.9	661.0	662.5	667.2	667.2	668.3	671.4	675.6	678.2	678.7
42.5°	696.5	695.9	699.1	701.2	705.8	705.3	704.8	709.0	713.7	716.8	717.8
45°	728.8	728.3	732.5	735.1	738.7	737.7	737.7	741.3	746.5	750.2	750.7
47.5°	756.5	756.5	761.1	764.3	767.4	765.8	764.8	768.5	773.7	778.9	779.4
50°	781.0	780.5	785.7	789.3	791.9	789.8	788.3	791.9	797.7	802.9	803.9
52.5°	800.3	801.3	806.5	811.2	813.3	810.2	807.6	811.2	817.5	823.2	824.3
55°	817.0	817.5	823.2	829.0	830.0	825.8	822.7	825.8	832.6	838.9	839.9
57.5°	830.0	831.1	837.8	843.1	843.6	838.9	835.2	837.8	845.1	851.4	853.0
60°	841.5	842.5	848.8	854.5	855.1	849.3	844.6	846.7	854.5	861.8	862.9
62.5°	850.4	851.9	858.7	863.9	863.9	857.1	851.4	853.5	861.8	869.7	870.7
65°	857.7	859.2	866.0	871.2	870.7	862.9	856.6	858.7	867.6	875.4	877.0
67.5°	862.9	863.9	871.2	876.4	874.4	866.0	859.7	861.3	870.7	878.5	880.1
70°	866.0	867.1	874.4	879.1	875.9	867.1	860.3	862.4	871.7	880.1	881.7
72.5°	867.6	869.1	875.9	880.1	876.4	866.5	859.2	861.8	871.2	880.1	881.1
75°	867.1	868.1	874.9	878.5	873.8	864.4	856.6	859.2	869.1	877.0	878.5
77.5°	864.4	865.5	871.7	874.9	869.1	859.7	852.4	855.1	864.4	872.3	873.8
80°	860.3	861.3	867.1	869.1	863.4	854.0	847.2	849.8	858.7	866.0	867.6
82.5°	853.5	855.1	860.3	861.3	855.1	846.7	839.9	842.5	850.9	857.7	858.7
85°	845.1	846.2	850.9	851.4	845.1	837.8	832.1	834.7	842.0	847.2	848.8
87.5°	835.8	835.8	840.4	840.4	833.7	826.9	822.7	824.8	831.6	835.8	837.3
90°	824.3	824.8	827.9	827.4	821.1	815.4	811.8	814.4	820.1	823.8	824.8
92.5°	811.8	812.3	814.9	813.8	807.6	802.9	799.8	802.9	808.1	810.7	811.8
95°	798.2	798.7	800.8	798.7	793.0	789.3	786.7	790.4	794.5	797.1	798.2
97.5°	784.1	784.6	786.2	784.1	777.8	774.7	773.7	776.8	781.0	783.1	784.1
100°	769.5	769.5	770.5	767.4	762.2	759.6	759.1	762.7	766.9	769.0	770.0
102.5°	753.3	753.8	753.8	750.7	745.5	743.9	743.9	748.1	752.3	753.8	754.9
105°	736.6	736.6	736.6	734.0	728.3	727.2	727.8	731.9	736.6	738.7	739.8
107.5°	718.4	718.9	717.8	715.2	710.5	709.5	710.5	716.3	720.5	722.5	723.6
110°	699.1	699.6	699.1	695.9	691.8	691.2	692.8	698.5	702.7	704.8	706.4



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 CATALOG NUMBER: FFX-CLB-50-750-U-VM8

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	678.7	679.2	678.7	676.1	671.9	671.9	674.0	679.8	684.5	686.0	687.6
115°	657.3	657.9	656.8	654.7	650.5	651.6	653.7	659.4	664.1	665.7	667.8
117.5°	634.4	634.9	634.4	631.8	628.1	629.2	632.3	638.0	642.2	643.8	645.9
120°	609.3	609.3	609.3	606.7	603.1	605.2	608.3	614.6	618.2	619.2	621.3
122.5°	583.8	582.7	582.7	581.2	577.0	579.6	582.7	589.0	592.6	593.2	594.7
125°	555.6	556.1	554.6	553.5	549.9	553.0	555.6	561.9	565.0	565.5	567.1
127.5°	525.3	526.9	525.3	523.8	521.2	524.3	527.4	533.2	535.8	536.3	537.3
130°	497.2	497.2	495.6	494.6	492.0	495.1	498.2	503.4	506.0	506.0	507.1
132.5°	469.0	467.4	466.9	465.9	462.7	466.4	468.5	473.7	475.8	475.3	476.3
135°	438.2	438.2	436.7	436.1	433.5	437.2	439.3	444.0	445.5	445.0	446.0
137.5°	409.5	409.5	408.5	407.4	405.9	409.0	411.1	414.7	416.3	414.7	416.3
140°	381.4	381.4	380.8	379.8	378.2	381.4	382.9	386.1	387.6	386.1	387.1
142.5°	355.3	354.2	353.7	353.2	351.1	354.2	355.3	358.4	358.9	357.9	359.4
145°	327.6	328.1	327.6	327.1	325.5	328.1	329.2	331.8	332.3	331.3	332.8
147.5°	304.7	303.1	303.6	303.1	301.5	304.1	304.7	306.2	307.3	306.2	307.3
150°	281.7	280.7	280.7	280.1	279.1	281.2	281.7	283.3	283.8	282.8	283.8
152.5°	261.4	260.8	260.8	260.3	259.3	260.8	261.4	262.4	262.9	261.9	262.4
155°	243.1	242.6	242.6	242.1	241.0	242.6	242.6	243.6	244.2	243.6	244.2
157.5°	226.9	226.4	226.4	226.4	225.4	226.4	226.4	227.5	227.5	226.9	227.5
160°	213.9	212.9	213.4	212.9	211.8	212.9	212.9	213.4	213.4	213.4	213.4
162.5°	201.9	201.9	201.9	201.4	200.9	201.4	201.4	201.9	201.9	201.9	201.4
165°	192.5	192.5	192.5	192.0	191.5	192.0	192.0	192.0	192.0	192.0	192.0
167.5°	184.7	184.2	184.7	184.2	183.6	184.2	184.2	184.2	184.2	184.2	184.2
170°	177.9	177.9	177.9	177.9	177.4	177.9	177.9	177.9	177.9	177.9	177.9
172.5°	173.7	173.2	173.2	173.2	172.7	173.2	172.7	173.2	172.7	173.2	172.7
175°	170.1	170.1	170.1	170.1	169.5	169.5	169.5	169.5	169.5	169.5	169.5
177.5°	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0
180°	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5



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.

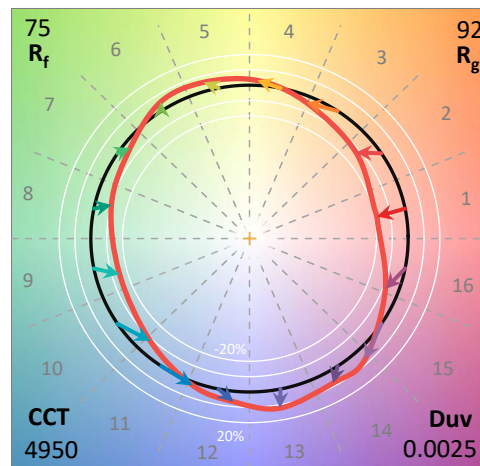
**Test Information**

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**

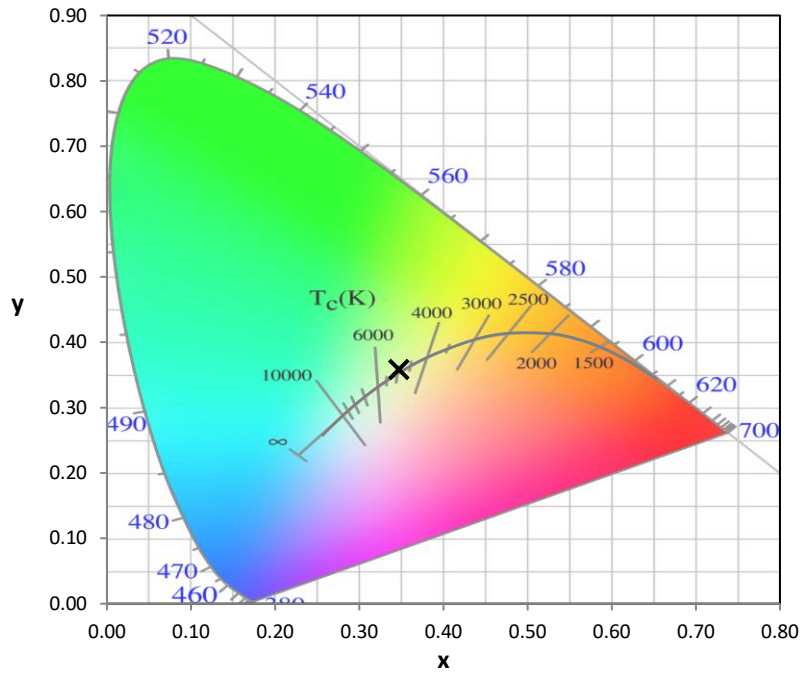
Stabilization Time: 0.803355M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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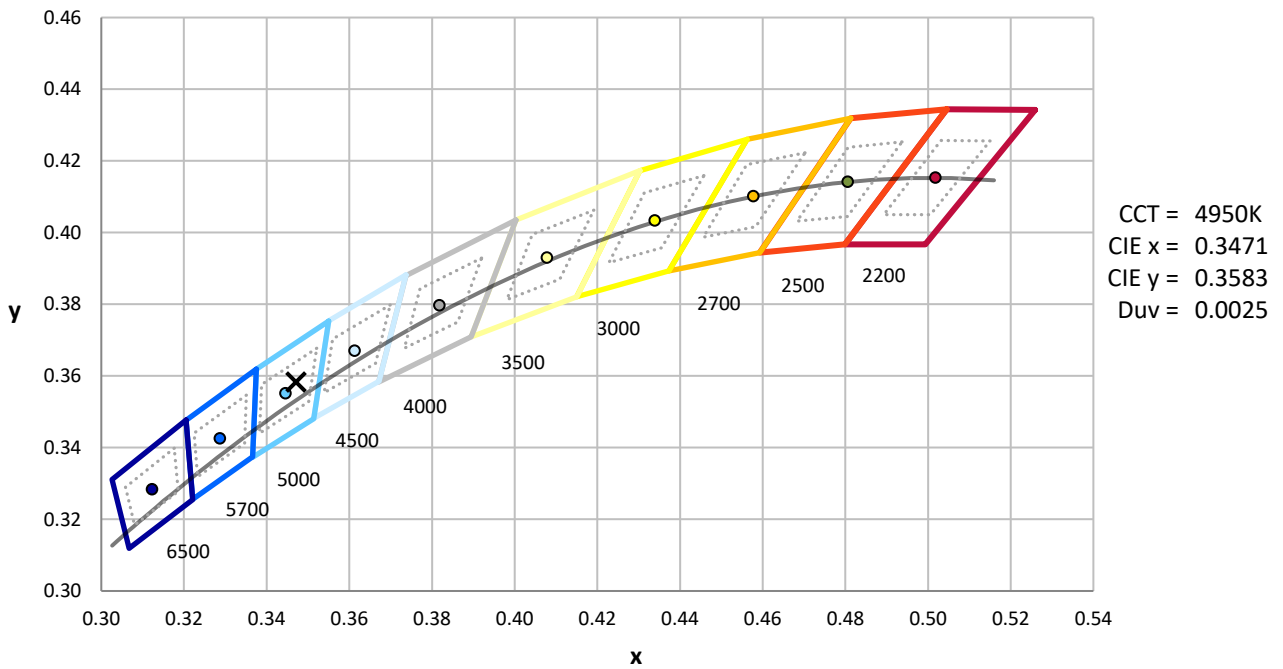
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



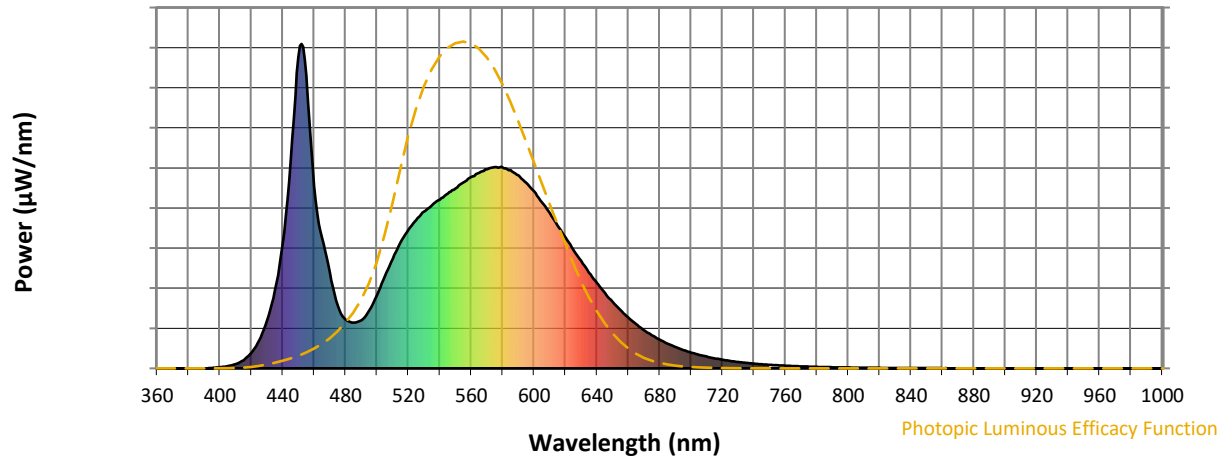
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

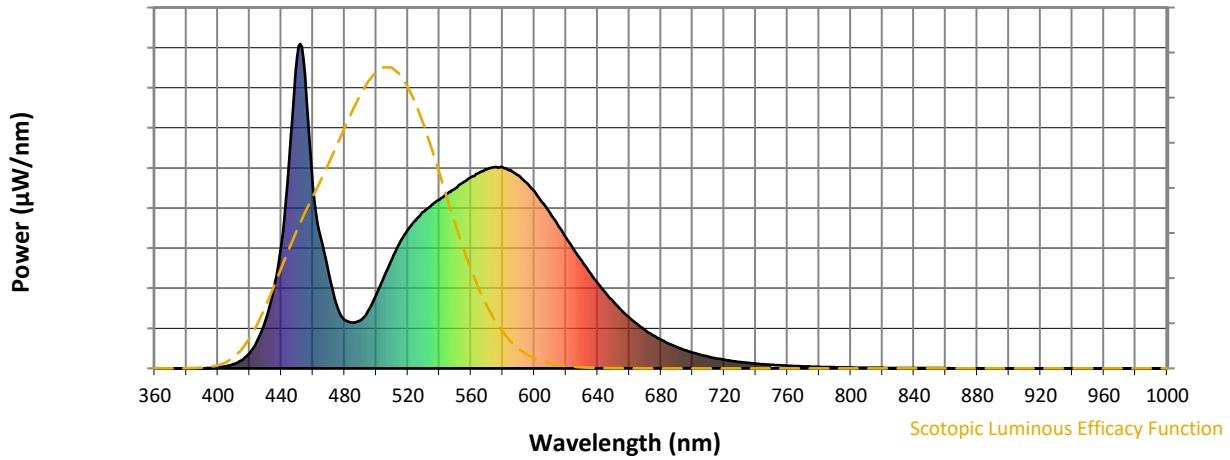


**Photopic Lumens: NR**

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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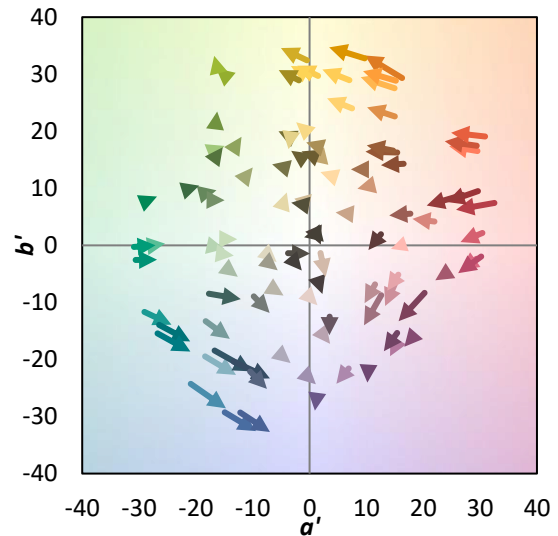
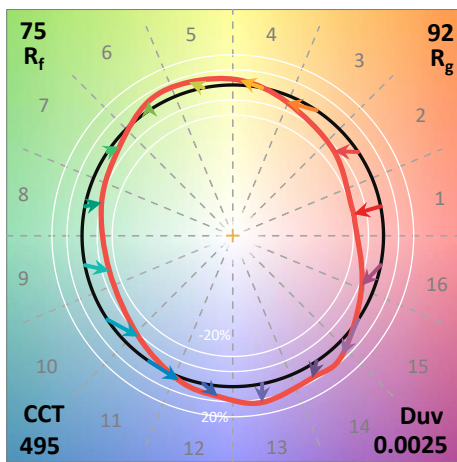
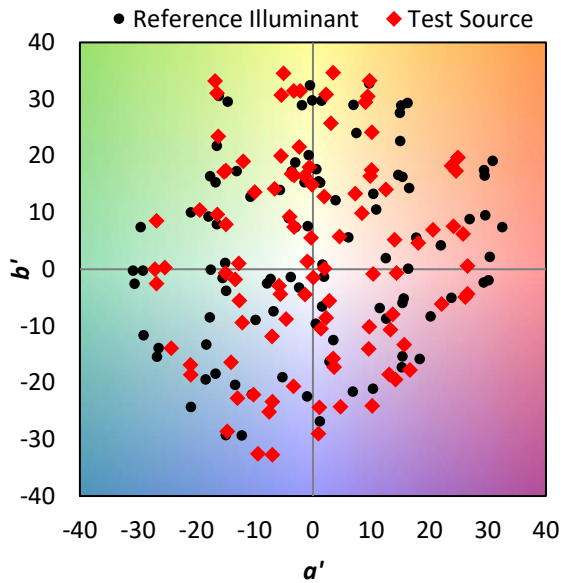
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**Summary**

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



**Color Vector Graphics**



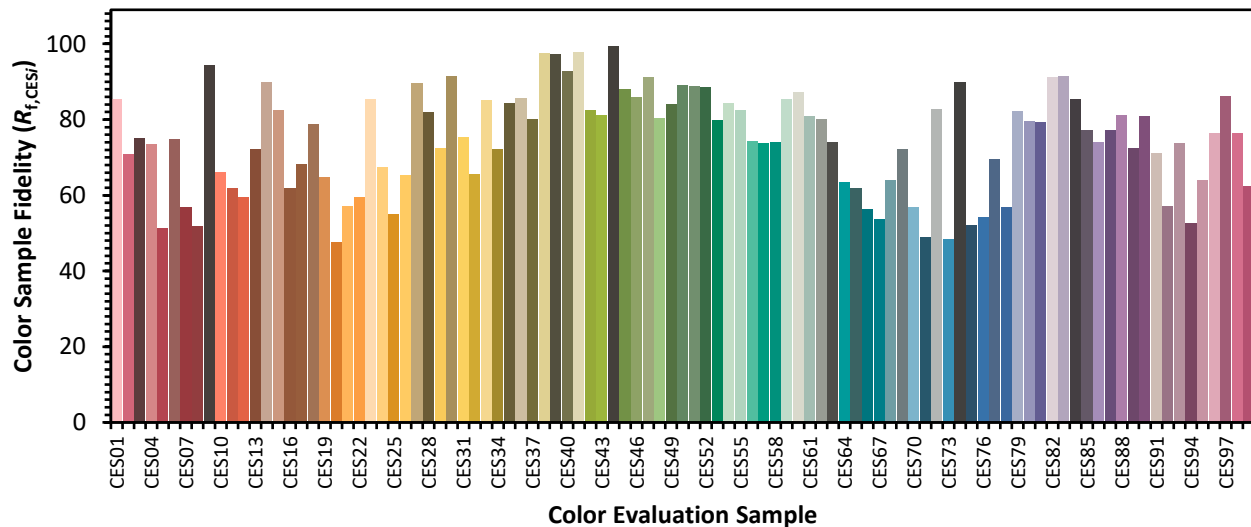


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

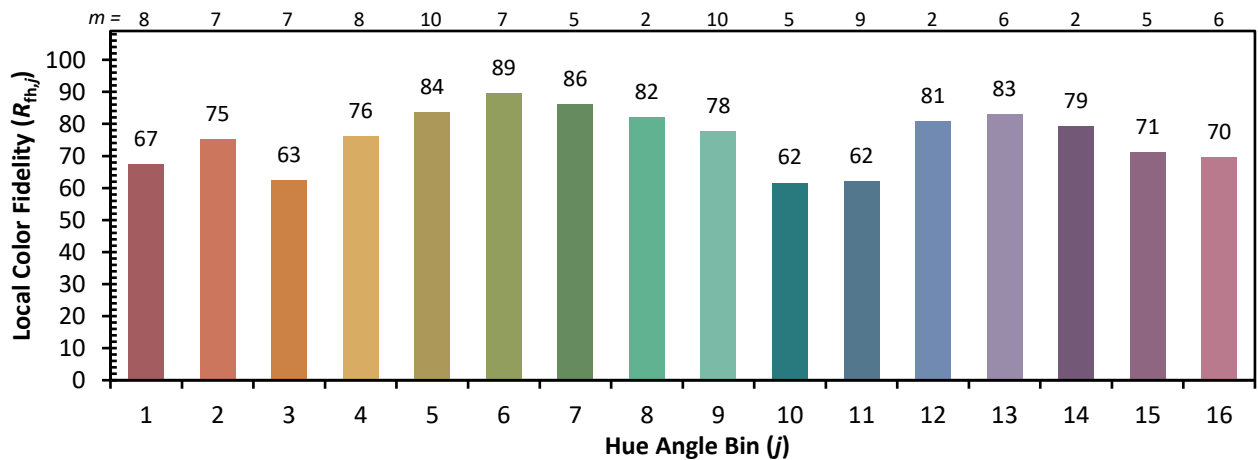
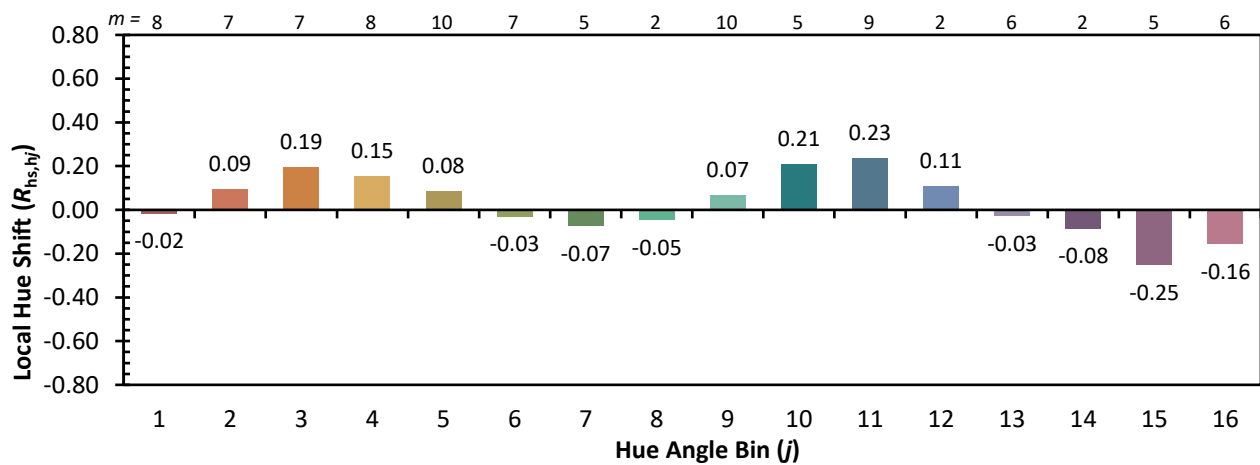
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CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57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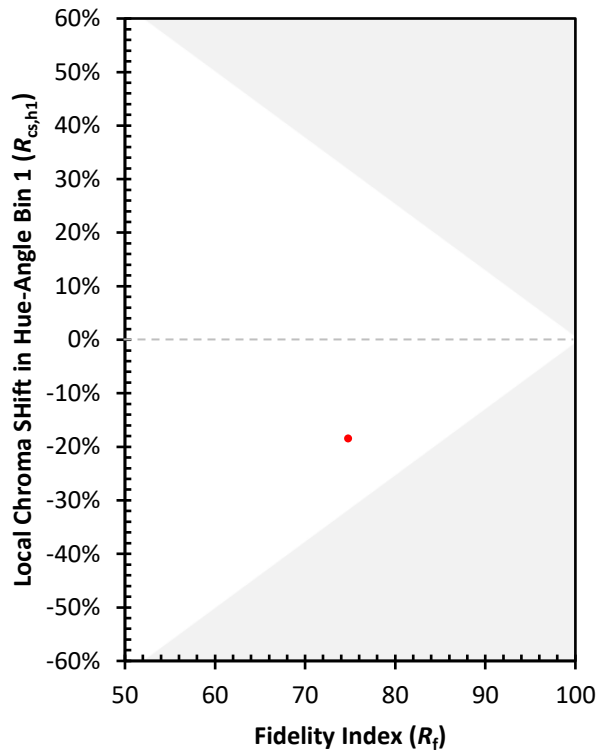
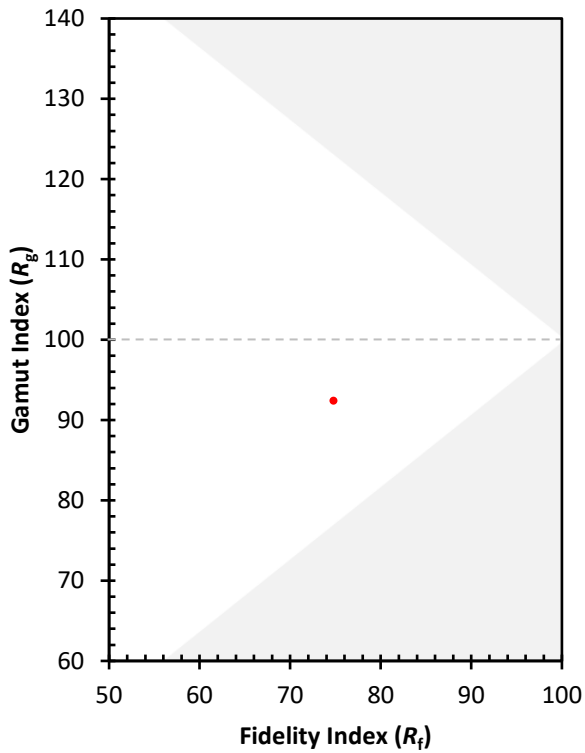
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)