

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: P856305

Luminaire Tested: **FFX-CLB-40-730-U-FG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856305
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-730-U-FG
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

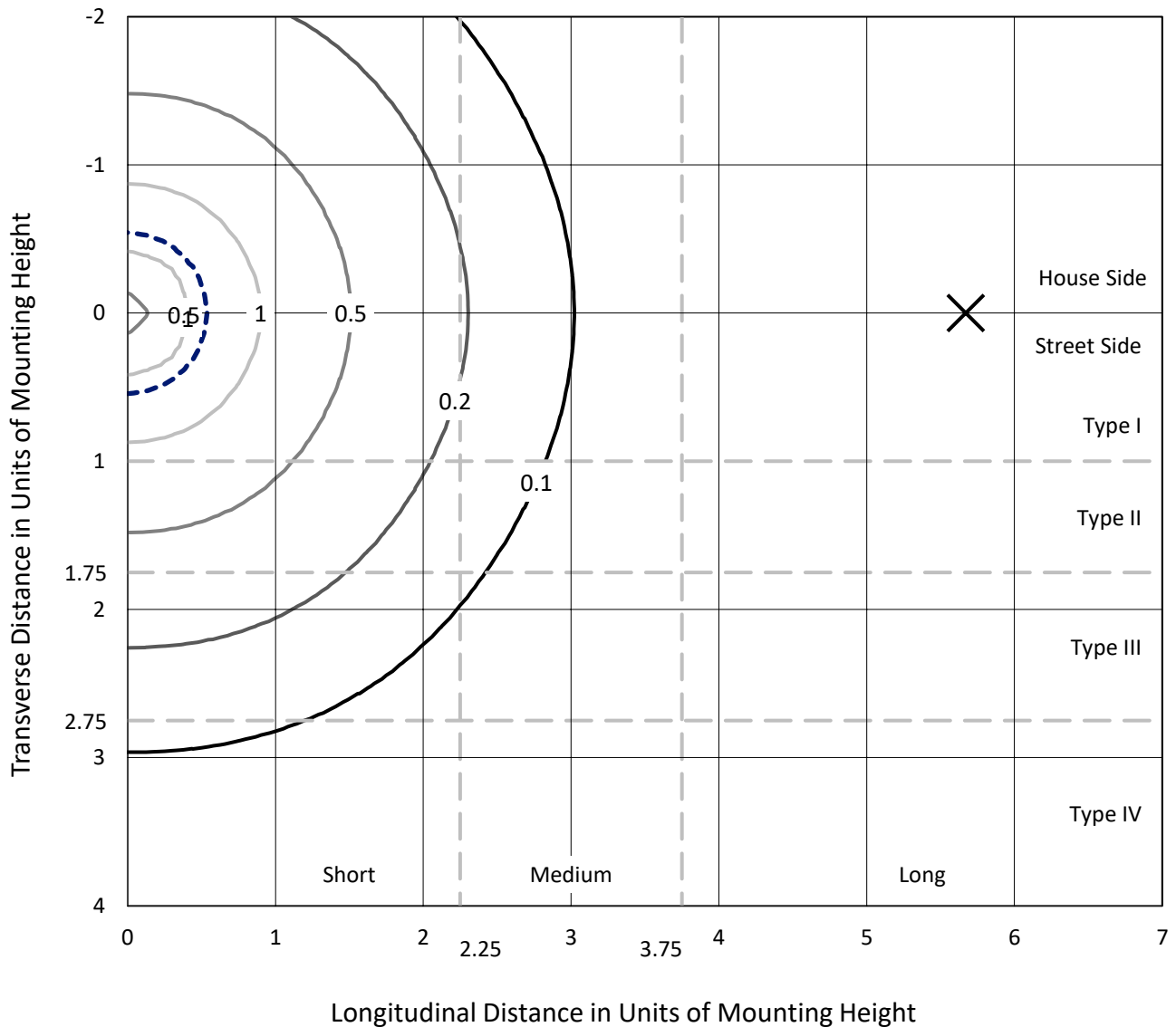
Lumens per Lamp: N/A
Luminaire Lumens: 6579.5 lumens
Efficiency: N/A
Efficacy: 167.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

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: P856305
 CATALOG NUMBER: FFX-CLB-40-730-U-FG

Iso-Footcandle Lines of Horizontal Illumination

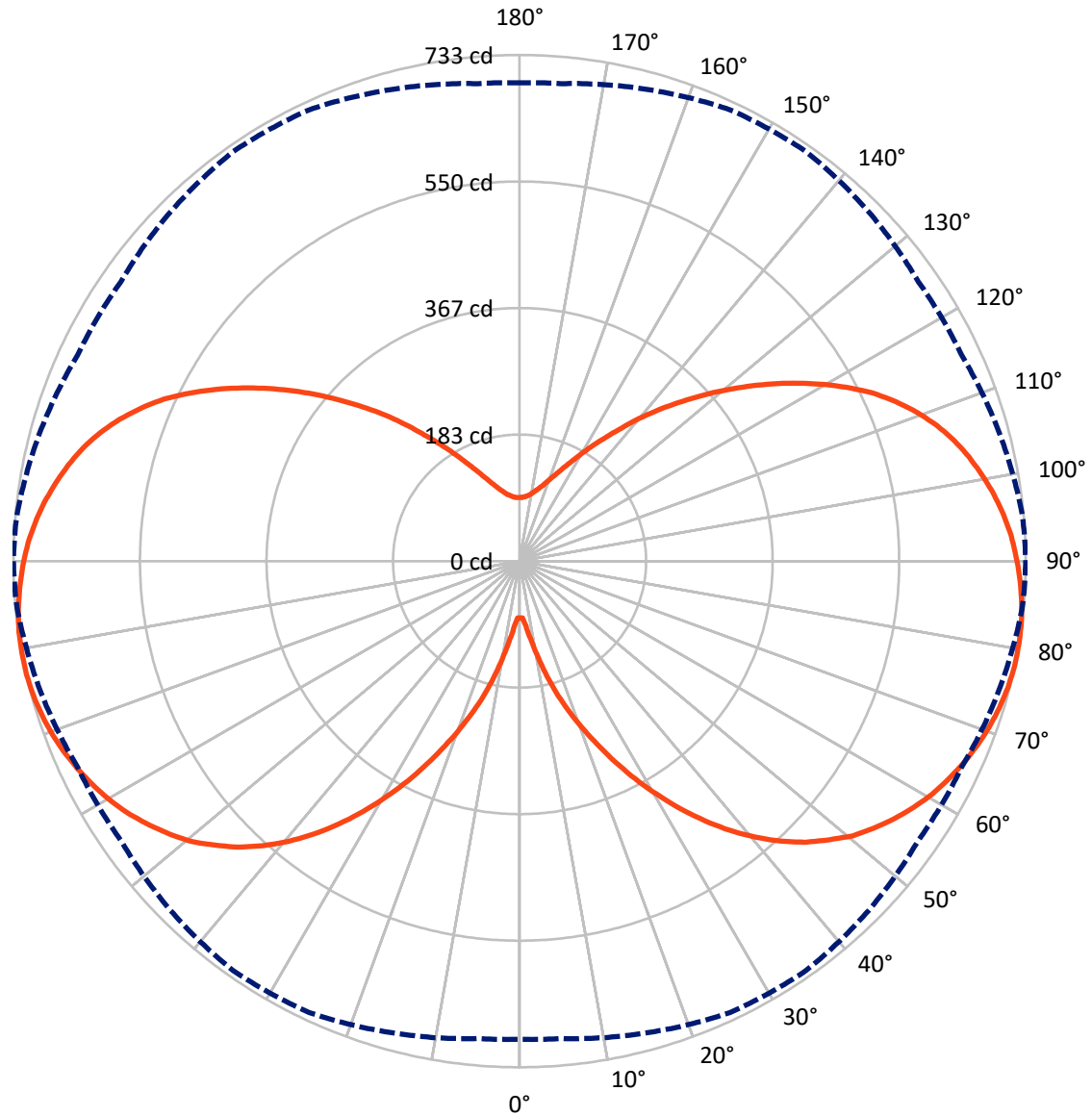
× Max cd
 - - - 1/2 Max cd



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 90-Deg Lateral - - - Horizontal Cone Through 80-Deg Vertical

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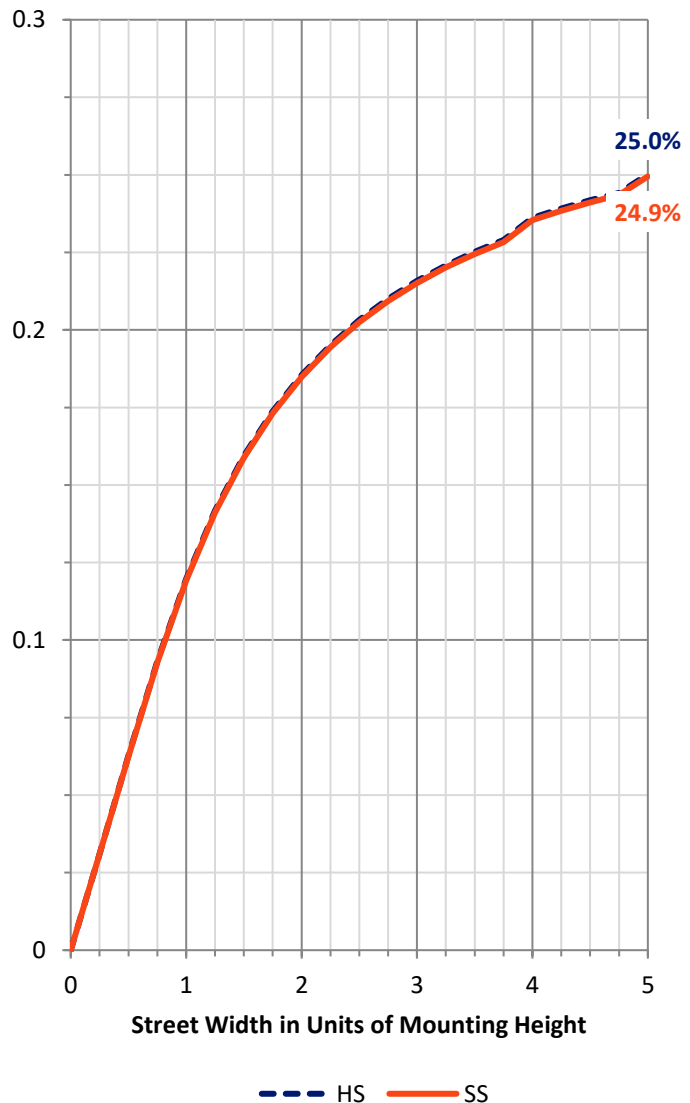
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1871.9	1417.8	3289.7
	% Fixture	28.5	21.5	50.0
Street Side	Lumens	1871.9	1417.8	3289.7
	% Fixture	28.5	21.5	50.0
Total	Lumens	3743.8	2835.6	6579.5
	% Fixture	56.9	43.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.2
10°-20°	57.4	0.9
20°-30°	151.0	2.3
30°-40°	288.6	4.4
40°-50°	443.6	6.7
50°-60°	581.2	8.8
60°-70°	685.9	10.4
70°-80°	752.5	11.4
80°-90°	773.2	11.8
90°-100°	744.9	11.3
100°-110°	667.9	10.2
110°-120°	542.7	8.2
120°-130°	387.8	5.9
130°-140°	245.3	3.7
140°-150°	137.4	2.1
150°-160°	69.1	1.1
160°-170°	31.4	0.5
170°-180°	9.1	0.1
0°-90°	3743.8	56.9
0°-180°	6579.5	100.0



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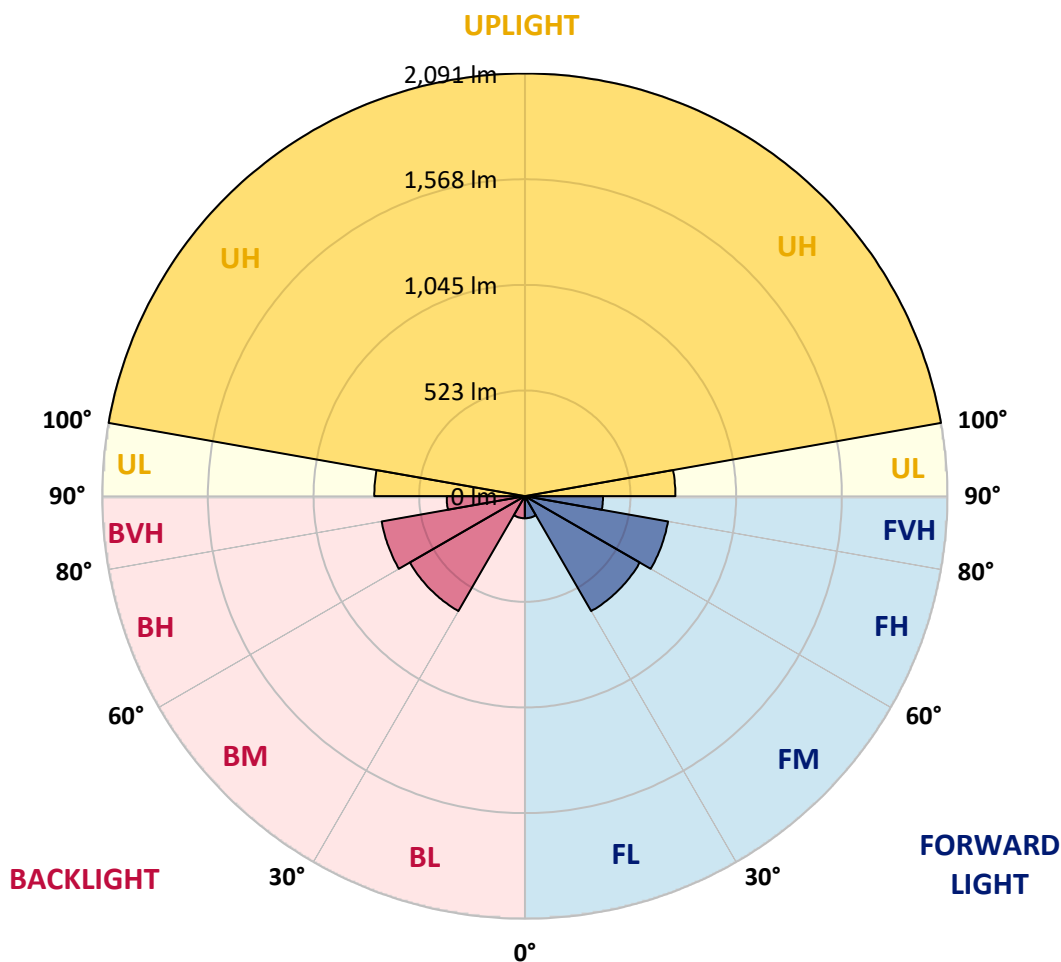
CATALOG NUMBER: FFX-CLB-40-730-U-FG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.4	1.7			
FM (30°-60°)	656.7	10.0			
FH (60°-80°)	719.2	10.9			G1/1800
FVH (80°-90°)	386.6	5.9			G3/500
BL (0°-30°)	109.4	1.7	B0/110		
BM (30°-60°)	656.7	10.0	B1/1000		
BH (60°-80°)	719.2	10.9	B2/1000		G1/1800
BVH (80°-90°)	386.6	5.9			G3/500
UL (90°-100°)	744.9	11.3		U4/1000	
UH (100°-180°)	2090.7	31.8		U5	

BUG Rating: B2-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2.5°	86.6	86.6	86.2	85.4	85.0	84.6	83.8	82.6	82.2	82.2	82.2
5°	94.3	94.7	94.7	94.3	94.7	93.9	93.9	93.1	93.5	93.5	93.9
7.5°	113.4	113.4	113.8	113.8	114.2	113.4	113.8	113.4	113.8	113.8	113.4
10°	138.1	138.1	138.9	138.1	138.5	137.7	137.3	137.3	138.5	138.1	137.7
12.5°	166.0	166.8	166.4	166.0	166.8	166.0	165.2	165.6	167.2	166.4	166.0
15°	195.6	196.4	197.2	196.0	196.4	196.0	195.6	196.0	197.6	196.8	196.4
17.5°	225.5	225.9	226.7	225.1	225.5	225.9	225.5	225.9	227.1	226.7	226.3
20°	255.5	256.3	257.1	255.5	255.9	256.3	255.9	256.3	257.9	257.1	256.7
22.5°	287.1	287.5	289.1	287.1	287.9	288.3	287.5	288.3	289.9	289.1	288.7
25°	319.9	319.5	321.9	320.3	320.7	321.5	320.7	321.5	323.5	323.5	322.3
27.5°	353.5	353.5	355.5	354.3	355.1	354.7	355.5	356.3	358.3	358.7	357.5
30°	387.1	387.1	390.3	388.3	389.5	389.9	389.9	390.7	393.2	394.0	392.3
32.5°	420.7	420.7	422.3	422.7	423.5	423.9	424.7	424.7	428.0	428.4	427.6
35°	453.5	453.5	455.1	455.9	457.9	457.1	458.3	458.3	462.0	462.4	462.0
37.5°	484.7	485.1	487.1	487.9	489.5	489.5	490.3	491.1	494.4	495.6	495.2
40°	514.2	515.0	516.6	518.3	519.9	519.9	520.3	521.5	525.1	526.4	526.0
42.5°	540.9	541.3	543.8	546.2	547.8	547.8	548.2	549.0	553.1	554.7	554.7
45°	564.4	565.6	568.9	572.1	573.7	573.3	573.3	574.5	579.0	581.0	581.0
47.5°	586.3	587.9	591.6	594.8	596.4	596.4	596.0	597.2	602.1	604.5	603.3
50°	605.7	606.9	611.0	615.8	617.1	617.1	615.8	617.1	622.3	625.6	625.6
52.5°	621.9	623.1	628.0	633.3	634.9	634.5	632.9	634.1	639.3	643.0	642.6
55°	635.7	637.3	642.6	649.0	650.7	649.5	647.4	648.6	654.3	659.2	658.8
57.5°	648.2	649.5	655.5	662.4	664.8	662.8	660.0	661.2	667.7	672.9	673.3
60°	658.8	660.0	666.9	675.0	677.0	674.6	670.9	672.1	679.4	685.5	686.3
62.5°	667.7	668.9	676.6	685.5	688.3	684.7	680.2	681.4	689.5	696.4	696.8
65°	675.0	676.2	685.1	694.4	697.2	693.2	687.9	689.1	698.0	705.7	706.5
67.5°	680.6	682.2	692.4	702.5	704.9	700.1	694.0	695.2	704.9	713.8	714.6
70°	685.5	687.5	698.0	709.0	711.8	706.1	698.8	700.5	711.4	720.3	721.5
72.5°	689.1	691.2	702.5	714.2	717.5	710.6	702.5	704.1	715.9	725.6	726.8
75°	691.6	693.6	705.7	718.3	721.1	713.8	704.9	706.5	718.7	729.2	730.8
77.5°	692.8	694.8	707.8	720.7	723.5	715.0	705.7	707.4	719.9	731.2	732.9
80°	692.8	694.4	707.8	721.5	724.0	715.4	705.3	706.5	719.5	731.6	733.3
82.5°	691.6	693.2	706.9	720.7	723.1	713.8	703.3	704.9	718.3	730.4	732.5
85°	688.7	690.3	704.1	718.3	720.7	710.6	699.7	701.3	714.6	727.6	729.6
87.5°	684.7	686.7	700.1	714.2	716.3	705.7	695.2	696.0	710.2	723.5	725.2
90°	679.8	681.8	694.4	708.6	710.6	700.1	689.1	690.3	704.1	717.9	719.5
92.5°	674.1	675.8	687.9	700.9	703.3	692.4	681.8	683.5	697.2	711.0	713.0
95°	666.9	668.1	679.4	691.6	693.6	683.9	673.3	675.0	688.7	702.1	704.1
97.5°	658.0	658.8	668.9	679.8	682.2	672.9	663.2	664.8	678.2	691.6	694.0
100°	647.8	648.2	657.1	666.5	668.5	660.8	651.9	653.9	666.5	680.2	681.8
102.5°	636.1	636.1	643.4	651.1	653.5	647.0	639.3	641.4	653.5	666.5	668.5
105°	623.1	621.9	627.2	633.3	636.1	631.2	625.6	627.2	638.5	651.1	653.5
107.5°	606.9	605.7	609.4	614.6	617.5	613.8	609.4	611.8	621.5	633.3	635.7
110°	588.7	587.1	588.7	592.8	596.0	593.6	591.1	593.2	602.5	613.4	615.0



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 CATALOG NUMBER: FFX-CLB-40-730-U-FG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	567.7	565.6	566.0	568.9	571.7	571.3	569.7	572.9	580.6	589.5	591.6
115°	543.4	541.3	540.1	541.7	544.2	545.8	547.4	549.4	555.5	562.8	566.0
117.5°	517.9	514.6	512.6	512.6	515.4	518.3	521.1	523.9	528.0	534.9	536.1
120°	488.3	486.3	483.4	483.4	485.9	488.7	493.2	496.4	498.8	503.7	505.3
122.5°	459.2	456.3	453.5	453.5	455.1	459.2	465.2	468.1	469.3	472.1	473.3
125°	429.6	426.4	423.1	423.1	424.7	428.8	435.7	438.1	438.9	440.1	441.3
127.5°	399.6	396.4	393.6	392.3	394.8	398.0	404.9	408.1	408.5	408.5	409.3
130°	369.7	367.2	364.4	363.2	365.6	368.5	376.1	379.4	377.8	377.8	378.2
132.5°	341.3	338.9	336.1	335.3	336.9	340.5	347.4	350.2	349.0	347.4	347.8
135°	313.8	311.8	308.1	307.7	310.1	311.8	318.2	321.1	319.9	318.2	318.7
137.5°	287.5	285.5	282.2	281.8	284.2	286.3	291.1	294.0	292.3	290.7	291.1
140°	262.4	259.9	257.5	257.1	258.7	260.8	265.2	266.8	265.2	264.0	264.4
142.5°	238.9	237.3	234.4	234.4	235.2	236.9	240.5	242.1	240.5	238.9	238.1
145°	216.6	214.6	213.0	212.6	213.4	215.0	217.4	219.0	217.4	216.2	215.4
147.5°	196.8	195.2	193.5	193.5	193.9	195.2	197.2	197.6	196.4	195.6	194.8
150°	178.6	176.9	176.1	175.7	176.1	176.5	178.2	179.0	177.7	176.9	176.1
152.5°	162.0	160.7	159.9	160.3	160.3	160.7	161.1	161.6	160.3	160.3	159.5
155°	147.4	146.6	145.8	146.2	146.2	146.2	146.6	146.6	145.8	145.8	145.4
157.5°	135.2	134.4	134.0	134.4	134.4	134.0	134.4	134.4	133.6	133.6	133.2
160°	124.7	123.9	123.9	123.9	123.9	123.5	124.3	123.9	123.5	123.1	123.1
162.5°	116.2	115.4	115.4	115.8	115.4	115.4	115.4	115.4	115.0	115.0	114.6
165°	109.3	108.5	108.5	108.9	108.5	108.5	108.5	108.5	108.1	108.1	108.1
167.5°	103.7	103.2	103.2	103.2	103.2	102.8	103.2	103.2	102.8	102.8	102.8
170°	99.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.4	98.4
172.5°	96.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	95.6	95.6	95.6
175°	94.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.5	93.5
177.5°	93.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.3	92.3
180°	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3

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: SP1-2406-133-4

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5.

Test Information

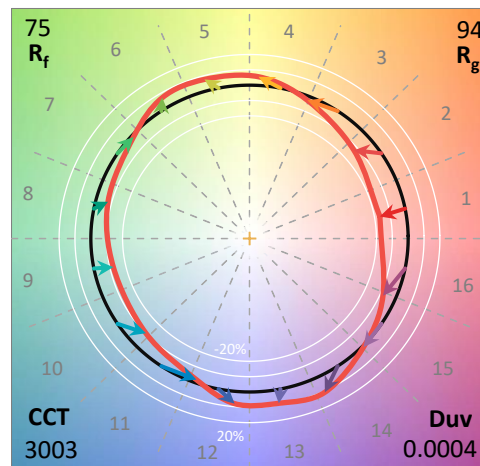
Test Method: LM-79-2019
 Report Number: SP1-2406-133-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 07/12/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Streetworks
 Catalog Number: **FFX-CLB-100-730-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3003
 CIE u': 0.2503
 CIE v': 0.5219
 Duv: 0.0004
 CIE x: 0.4373
 CIE y: 0.4053
 CIE z: 0.1573
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 52.93545
 Rf: 75.2
 Rg: 93.8

CRI (Ra): 71.9

R1:	68.2	R9:	-33.7
R2:	82.2	R10:	59.0
R3:	93.9	R11:	62.4
R4:	67.6	R12:	48.5
R5:	67.2	R13:	70.8
R6:	75.3	R14:	96.6
R7:	77.6	R15:	60.0
R8:	43.1		



Test Conditions

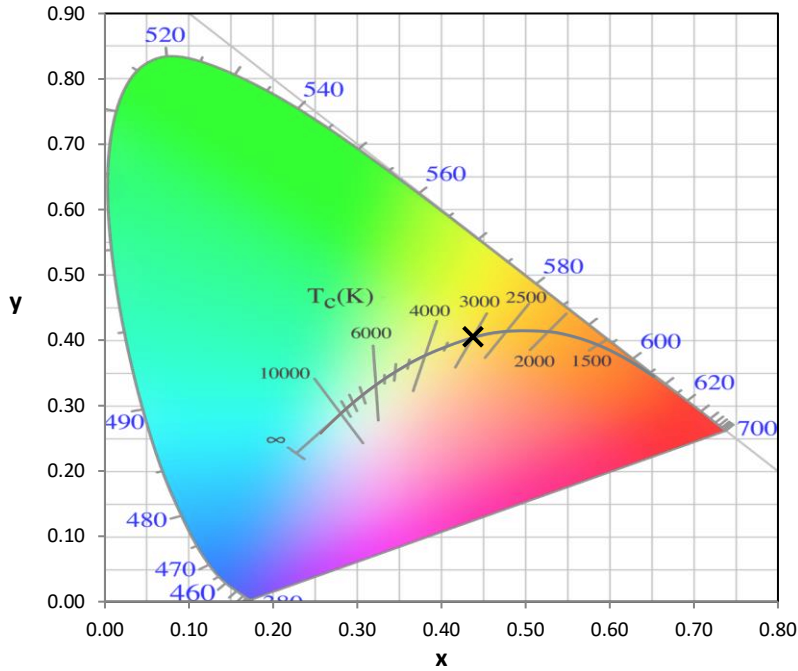
Stabilization Time: 0.794393M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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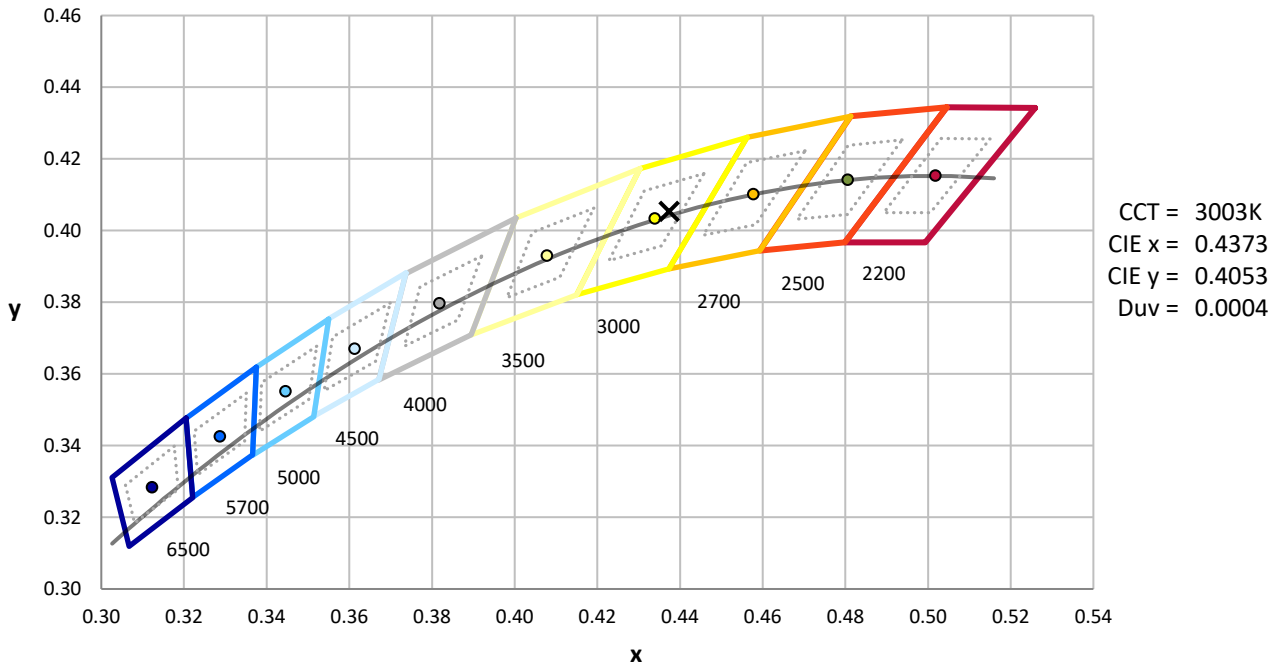
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



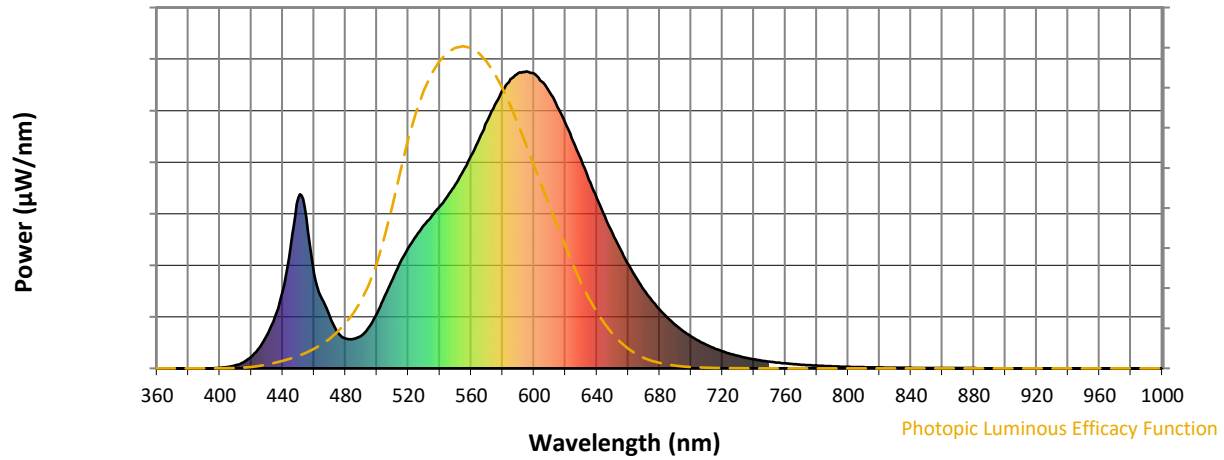
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

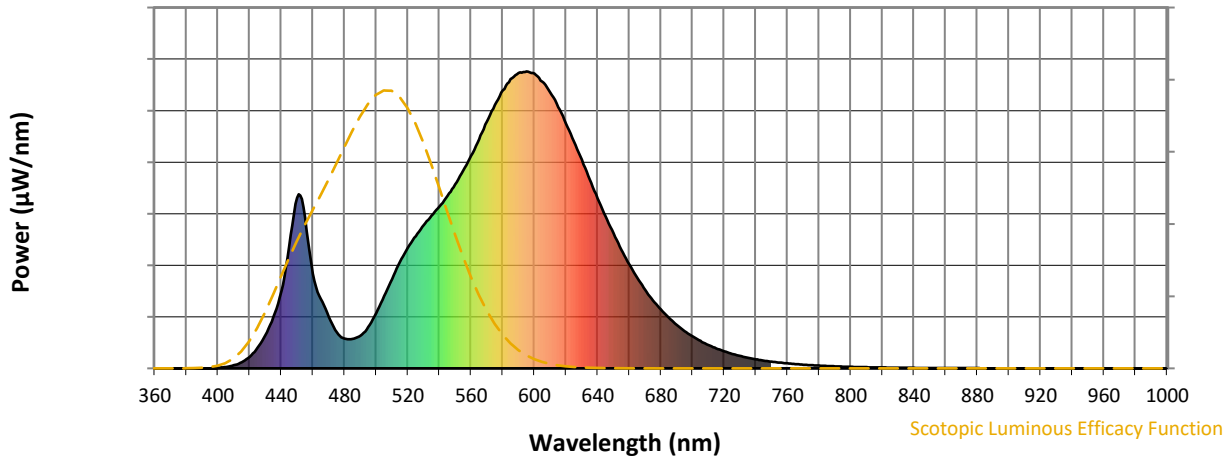


Photopic Lumens: NR

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



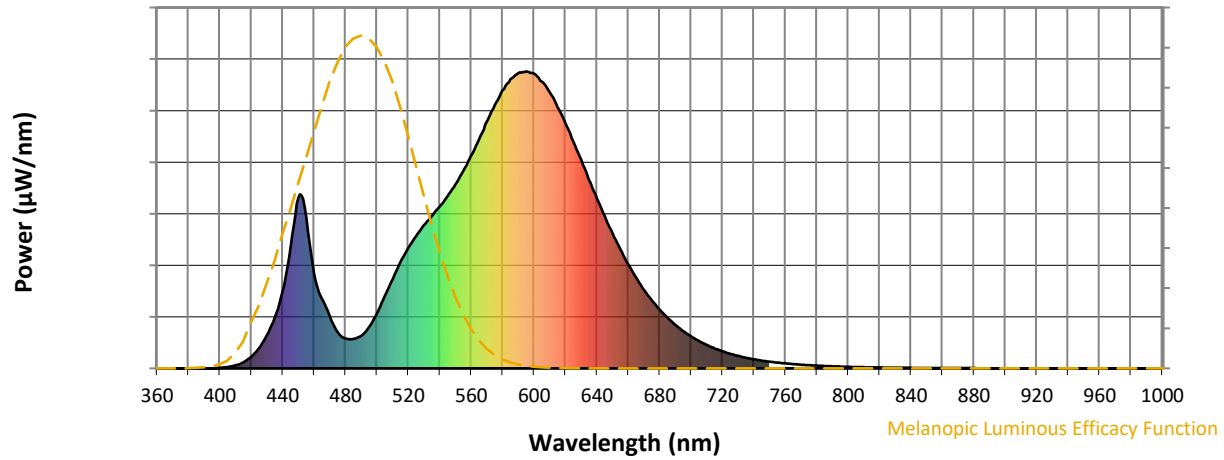
Scotopic Lumens: NR

S/P: 1.21

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

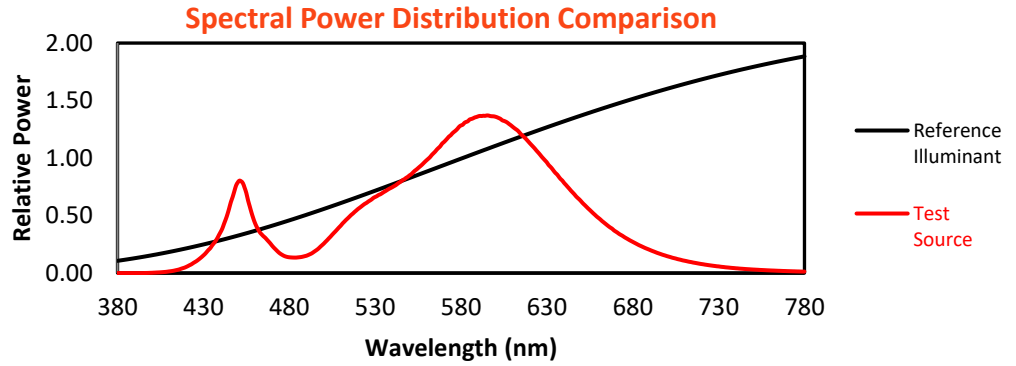
λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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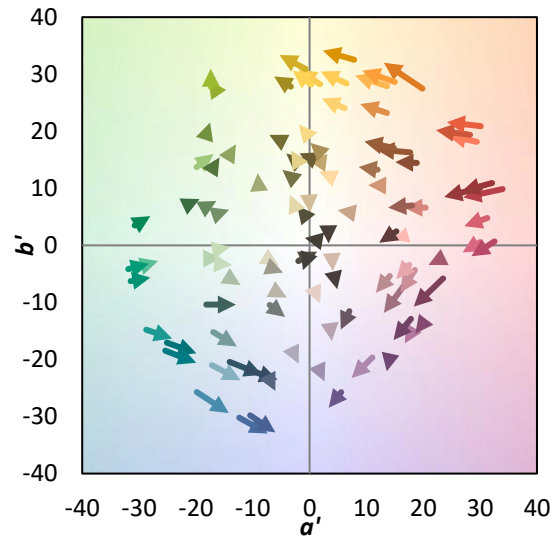
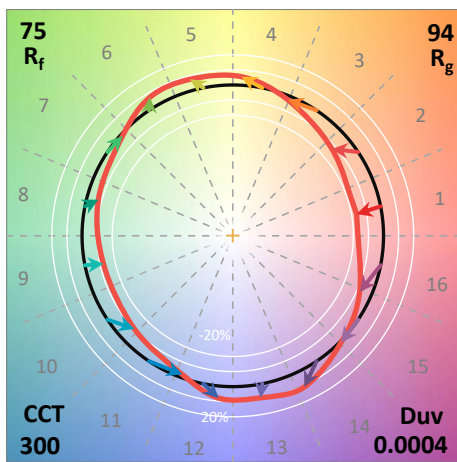
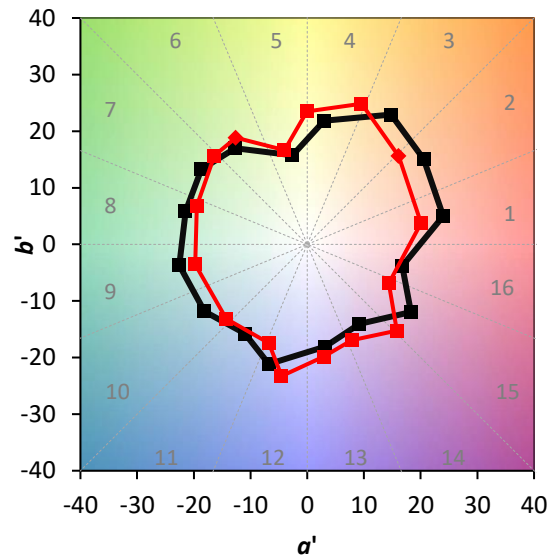
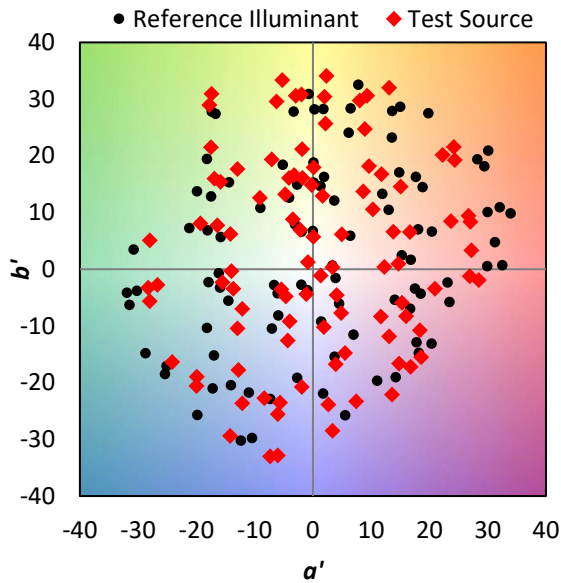
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Summary

$R_f = 75.2$
 $R_g = 93.8$
 CIE $R_a = 71.9$
 $R_9 = -33.7$



Color Vector Graphics

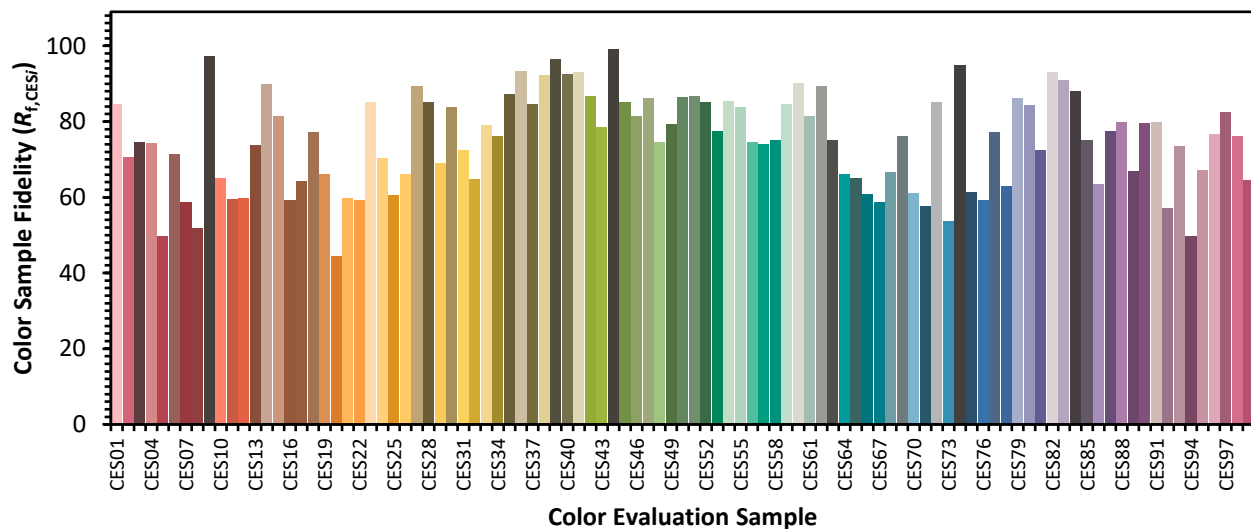


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Individual Sample Fidelity Index ($R_{f,i}$)

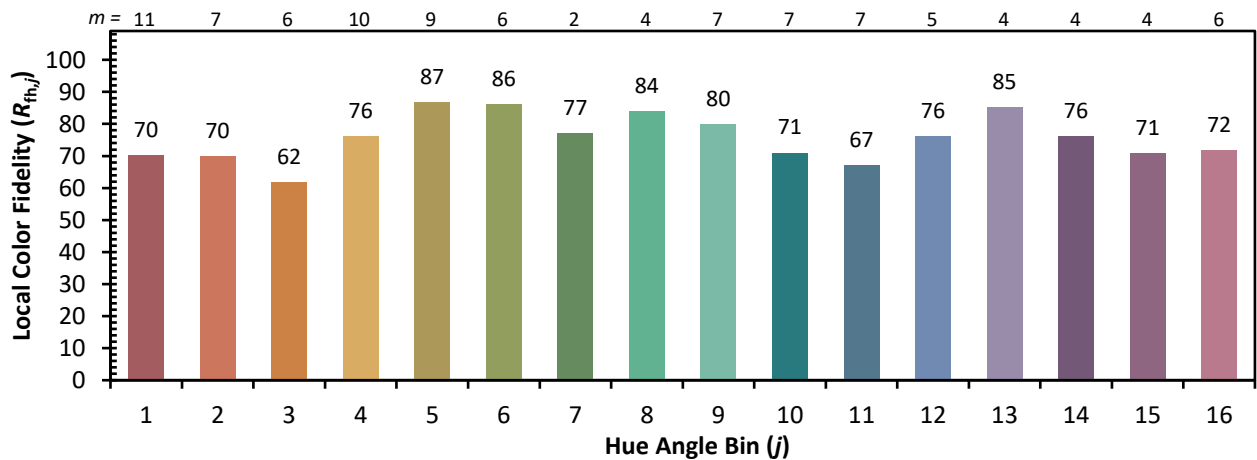
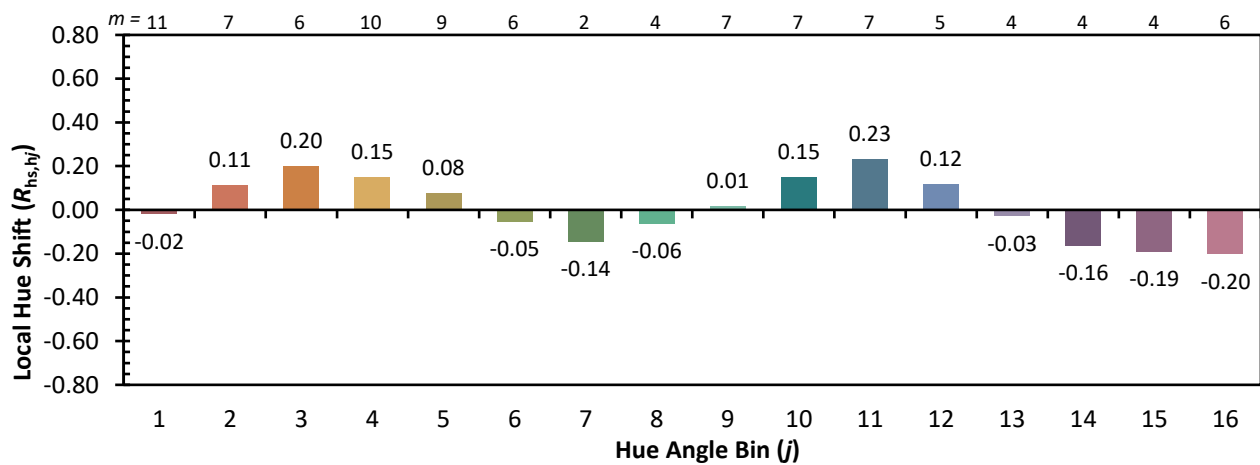
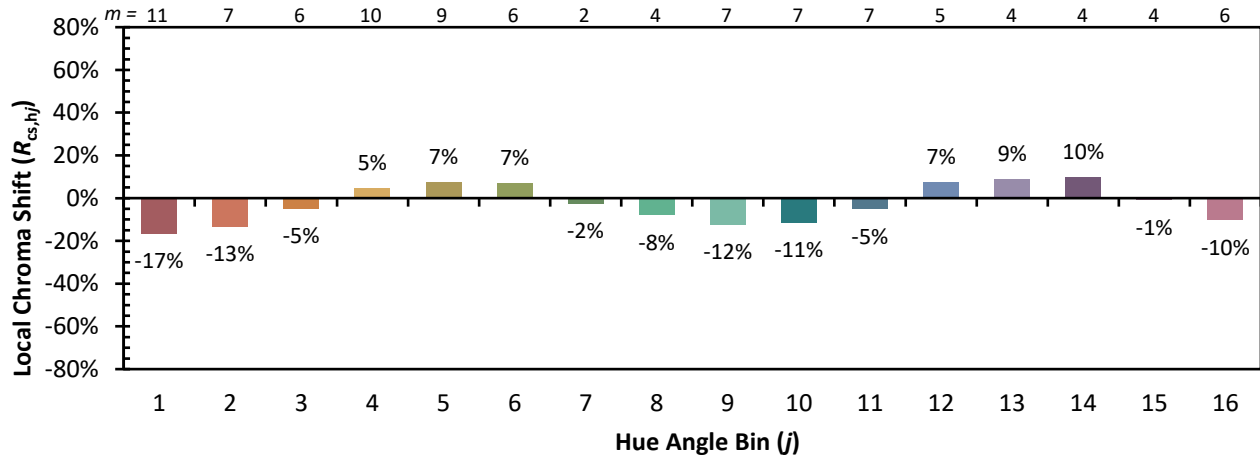
CES01 = 86	CES26 = 66	CES51 = 87	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 76	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 93	CES61 = 81	CES86 = 63
CES12 = 65	CES37 = 85	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 67
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 61	CES91 = 80
CES17 = 50	CES42 = 87	CES67 = 59	CES92 = 57
CES18 = 56	CES43 = 79	CES68 = 67	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 61	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 58	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 54	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 65
CES25 = 73	CES50 = 86	CES75 = 61	



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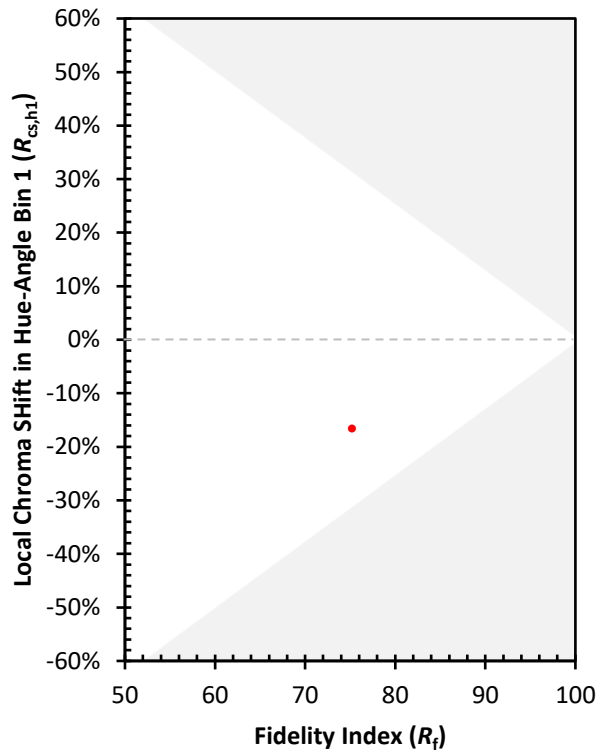
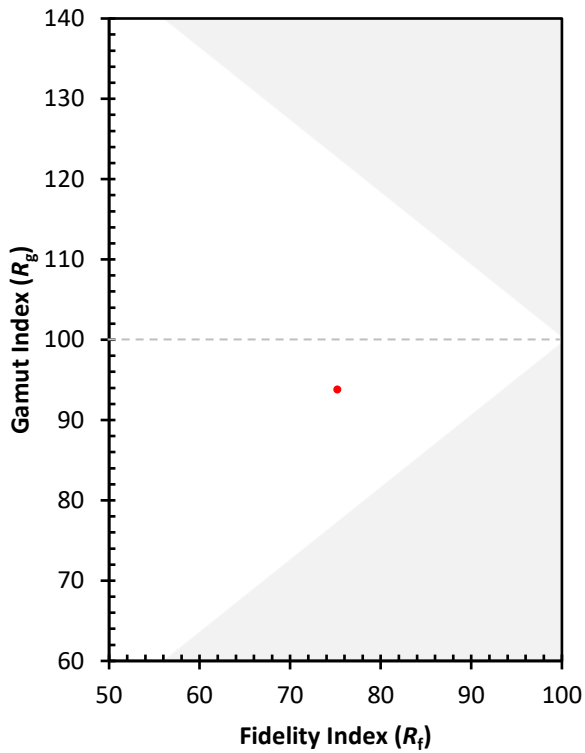
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)