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: P856154

Luminaire Tested: **FFX-CLB-20-722-U-FR-T5-UPLR**

Issue Date: 07/16/2024

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P856154
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-722-U-FR-T5-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2702.2 lumens
Efficiency:	N/A
Efficacy:	138.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type V - Short
BUG Rating:	B2 - U3 - G1

Input Watts (W):	19.5
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.8%%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P856154
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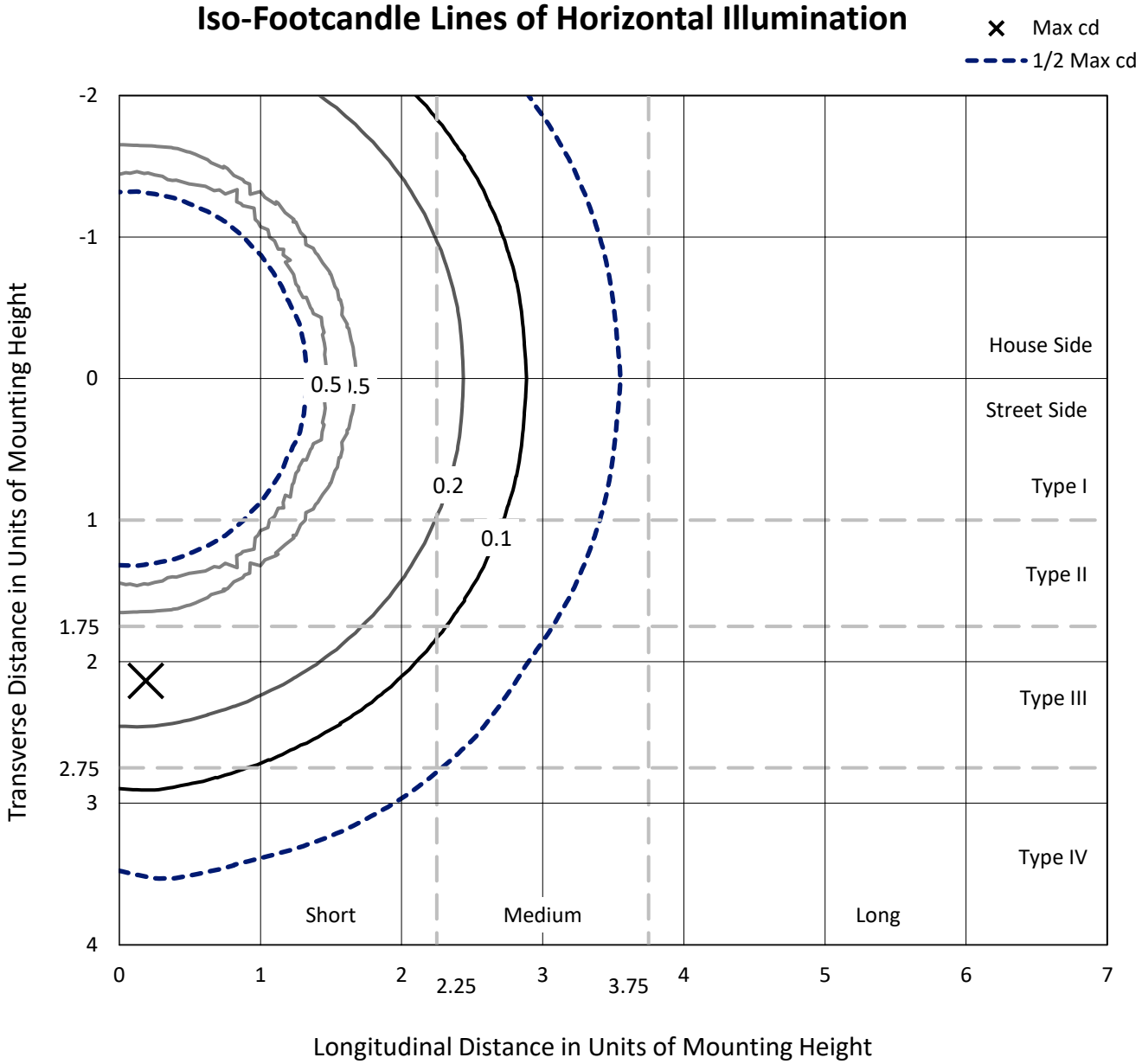
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 0.5 fc
Type V - Short - N/A

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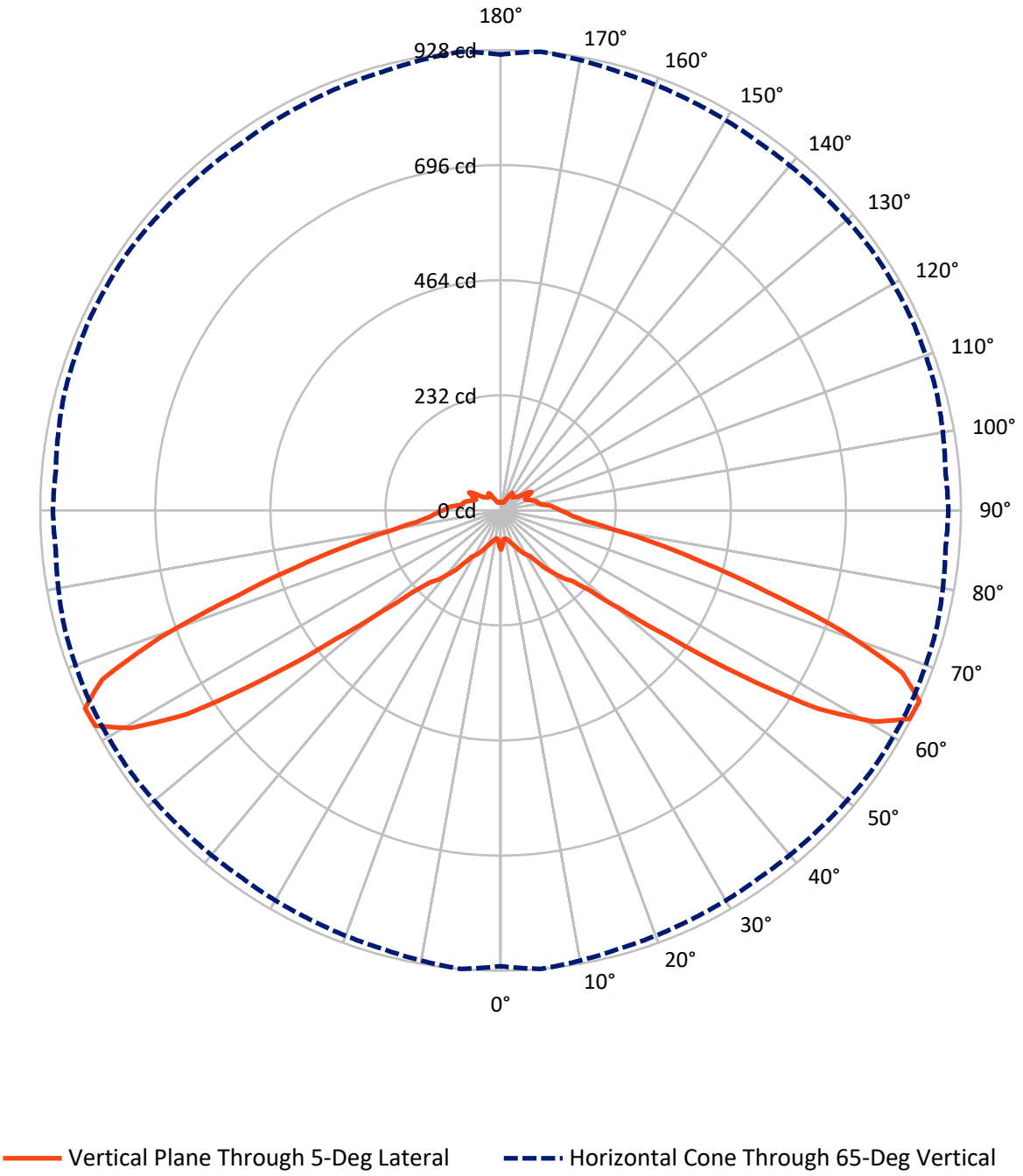
Luminous Intensity Polar Plot



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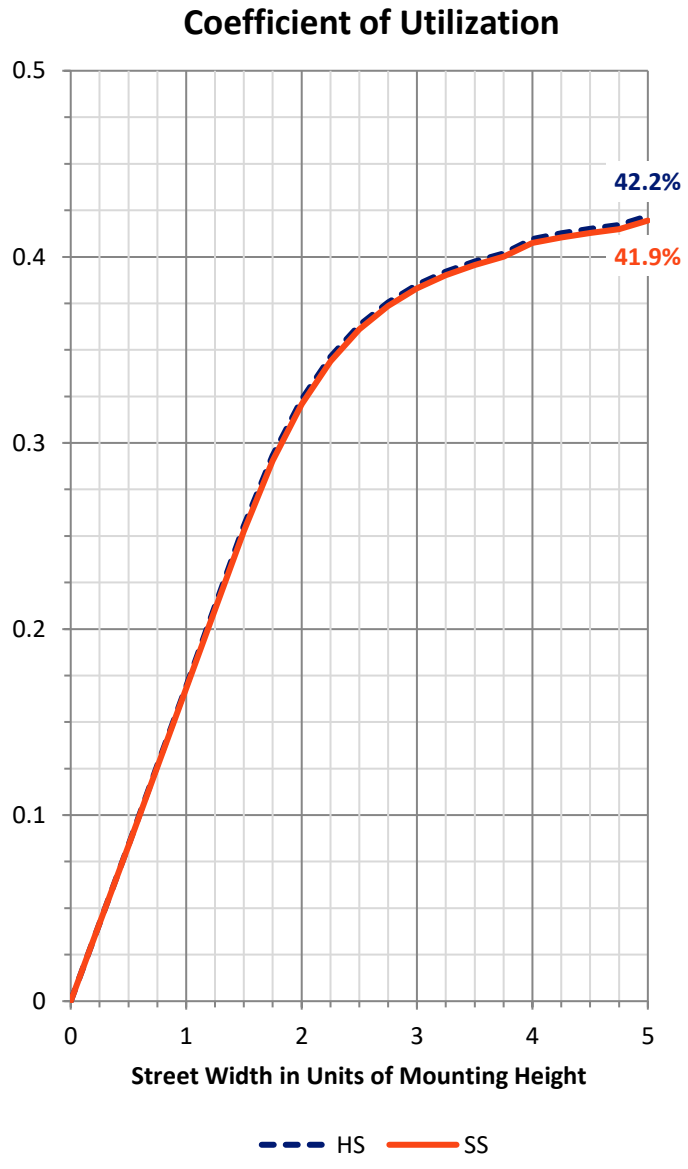
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1180.4	170.7	1351.1
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	1180.4	170.7	1351.1
	% Fixture	43.7	6.3	50.0
Total	Lumens	2360.7	341.5	2702.2
	% Fixture	87.4	12.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.2
10°-20°	19.0	0.7
20°-30°	41.1	1.5
30°-40°	83.3	3.1
40°-50°	168.0	6.2
50°-60°	534.0	19.8
60°-70°	861.2	31.9
70°-80°	469.6	17.4
80°-90°	178.8	6.6
90°-100°	107.3	4.0
100°-110°	68.4	2.5
110°-120°	52.1	1.9
120°-130°	44.0	1.6
130°-140°	28.7	1.1
140°-150°	24.1	0.9
150°-160°	10.8	0.4
160°-170°	4.6	0.2
170°-180°	1.5	0.1
0°-90°	2360.7	87.4
0°-180°	2702.2	100.0



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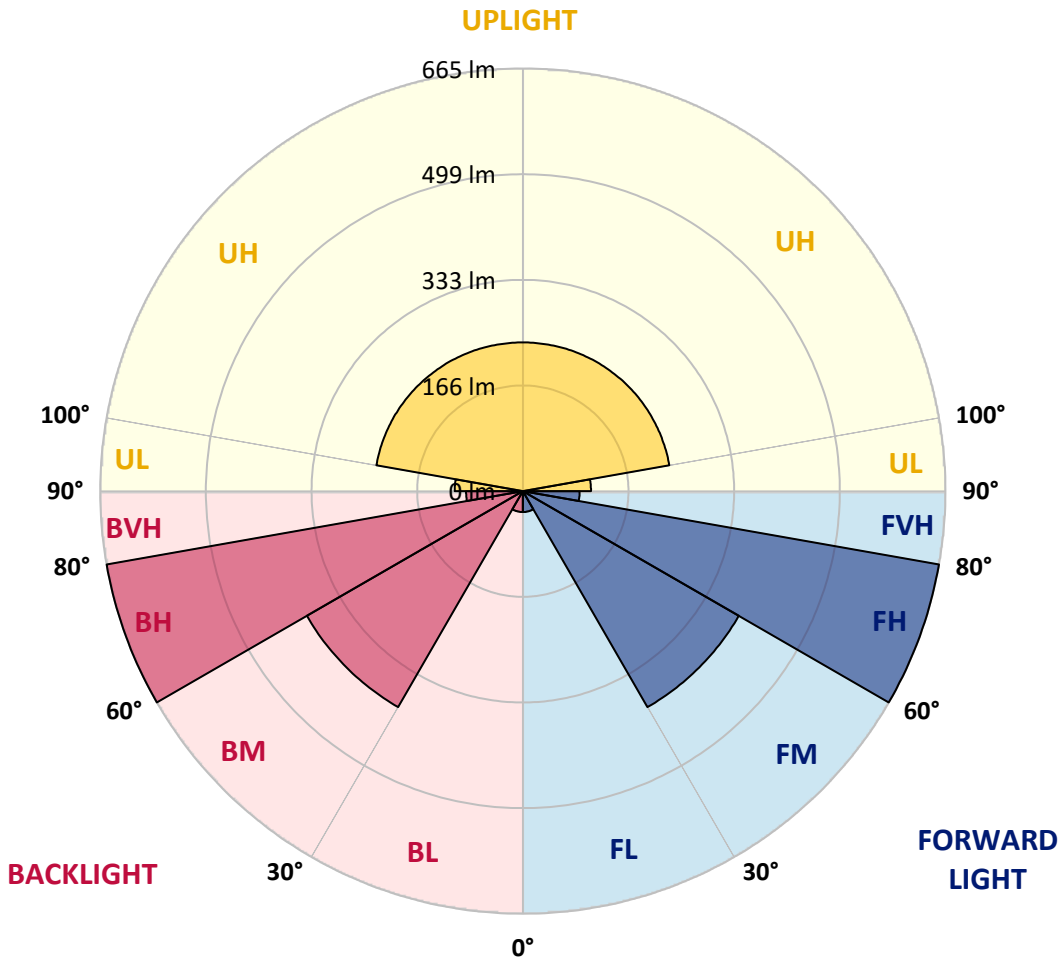
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	32.9	1.2			
FM	(30°-60°)	392.6	14.5			
FH	(60°-80°)	665.4	24.6			G1/1800
FVH	(80°-90°)	89.4	3.3			G1/100
BL	(0°-30°)	32.9	1.2	B0/110		
BM	(30°-60°)	392.6	14.5	B1/1000		
BH	(60°-80°)	665.4	24.6	B2/1000		G1/1800
BVH	(80°-90°)	89.4	3.3			G1/100
UL	(90°-100°)	107.3	4.0		U3/500	
UH	(100°-180°)	234.2	8.7		U3/500	

BUG Rating: B2-U3-G1
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
2.5°	70.8	72.0	68.9	66.3	65.2	65.5	68.0	70.6	68.0	68.9	68.9
5°	58.7	59.0	59.0	58.4	59.3	57.6	55.6	55.6	57.6	59.8	59.8
7.5°	56.7	57.6	59.8	59.8	60.7	57.9	55.0	55.3	58.1	61.5	62.4
10°	58.4	58.4	57.9	58.4	60.4	60.1	57.0	55.6	57.6	61.0	62.1
12.5°	61.0	61.0	62.6	65.2	65.5	62.9	59.8	59.5	61.8	64.1	64.1
15°	64.6	64.9	65.8	65.5	66.3	65.5	64.6	65.2	66.6	66.6	66.6
17.5°	69.4	69.4	69.4	69.4	69.4	69.7	70.0	70.0	70.0	70.6	70.6
20°	74.8	74.8	74.5	74.2	74.2	74.5	74.8	74.8	74.8	75.3	75.3
22.5°	81.6	81.3	80.7	80.7	80.7	81.0	80.4	80.1	79.9	80.1	80.1
25°	89.5	89.5	88.9	88.0	88.0	87.8	86.9	86.6	86.4	86.9	86.6
27.5°	97.4	97.4	96.5	95.4	95.4	95.4	94.8	94.3	93.7	94.0	94.0
30°	104.7	104.1	103.9	103.0	102.7	103.0	102.4	102.4	101.3	101.0	101.6
32.5°	111.5	110.9	111.5	110.6	109.8	110.6	110.3	110.3	108.6	108.1	108.6
35°	130.1	128.7	129.8	127.8	126.7	127.0	127.6	128.7	127.0	126.1	126.4
37.5°	150.1	149.9	153.5	156.6	156.1	151.3	148.2	148.7	151.0	154.1	154.1
40°	168.8	168.2	169.0	167.9	167.9	167.3	167.1	168.5	164.0	162.8	162.0
42.5°	188.2	187.9	183.2	176.4	175.0	180.6	183.2	185.1	178.6	176.4	174.7
45°	207.4	203.5	202.6	200.4	198.1	201.8	201.5	202.9	199.8	199.5	198.1
47.5°	247.8	240.4	237.9	238.2	233.4	237.3	239.0	243.5	237.1	237.3	237.1
50°	320.6	311.3	315.5	312.7	307.6	312.4	312.1	320.3	309.6	313.5	311.8
52.5°	434.3	421.6	424.2	422.5	417.4	427.3	429.5	441.6	421.0	426.1	424.7
55°	598.8	585.0	590.7	570.3	565.0	584.4	591.8	605.9	578.5	581.3	579.9
57.5°	755.7	754.9	764.5	750.1	745.3	759.1	752.4	764.8	750.1	760.5	757.2
60°	862.7	865.0	874.5	878.8	870.3	877.7	861.3	870.6	866.1	881.3	879.9
62.5°	918.3	925.6	920.0	920.3	911.0	916.6	913.5	918.9	917.7	919.1	917.7
65°	919.4	928.4	916.0	910.4	906.4	908.7	914.1	914.1	910.7	900.5	902.8
67.5°	859.3	872.9	859.0	851.1	853.4	852.5	856.2	851.4	849.4	834.5	834.8
70°	711.4	733.2	712.8	705.5	711.4	715.1	714.8	710.9	707.8	689.1	694.5
72.5°	540.1	559.3	541.3	538.4	544.1	549.7	544.9	549.7	544.7	536.2	538.7
75°	407.8	424.2	424.2	434.9	436.6	433.5	420.2	425.6	428.9	429.2	431.8
77.5°	300.0	317.2	326.2	343.7	342.9	337.5	321.4	327.6	334.1	338.6	341.7
80°	213.3	226.3	239.6	252.0	253.7	249.2	239.3	243.0	246.9	250.0	251.7
82.5°	165.4	171.3	168.8	167.3	169.6	176.1	178.4	180.6	175.0	171.3	172.7
85°	144.2	144.8	149.3	152.4	153.2	153.2	151.0	152.7	154.1	157.8	157.8
87.5°	131.5	132.1	143.4	146.5	147.6	146.2	143.4	144.5	145.6	147.9	147.9
90°	116.8	118.5	129.8	132.4	133.5	131.2	130.4	131.2	129.8	130.7	130.7
92.5°	108.6	108.6	114.0	112.9	112.6	112.9	113.2	114.0	112.6	112.0	112.0
95°	99.3	100.7	99.3	100.5	100.2	98.8	98.2	98.8	97.9	97.9	98.5
97.5°	83.3	83.5	81.0	81.8	81.8	80.7	79.3	79.9	79.0	79.6	79.9
100°	77.9	77.0	72.8	72.2	72.0	71.1	70.3	70.3	70.0	69.7	70.0
102.5°	76.2	76.2	70.6	69.4	68.9	67.4	66.3	66.3	66.3	66.3	66.6
105°	69.7	71.7	67.4	66.6	65.8	64.1	62.4	62.1	62.6	62.1	62.9
107.5°	63.2	64.9	62.6	62.6	61.8	60.1	59.0	58.7	59.0	58.4	59.0
110°	59.5	60.4	57.9	57.9	57.3	55.9	55.6	55.3	55.3	54.5	55.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	55.0	*55.0*	53.1	52.5	52.5	51.6	51.4	51.1	51.1	51.1	51.4
115°	54.7	*54.5*	51.4	49.4	49.1	48.8	49.1	48.8	48.8	48.5	48.5
117.5°	66.9	*64.1*	53.6	48.8	48.8	49.1	50.2	49.4	47.4	47.4	47.1
120°	72.2	*72.8*	61.8	56.7	55.6	54.2	53.9	53.3	51.4	51.1	52.2
122.5°	63.8	*66.6*	59.8	57.9	56.7	55.0	53.9	53.6	53.6	52.2	54.2
125°	49.7	*52.2*	48.8	48.5	48.3	48.5	48.0	48.0	48.5	47.7	48.0
127.5°	42.6	*43.7*	42.3	42.3	42.0	41.8	41.2	41.5	41.2	41.5	41.8
130°	40.9	*41.8*	40.4	39.8	39.8	40.1	40.1	40.1	39.2	38.7	38.9
132.5°	40.6	*40.4*	38.1	37.0	37.0	38.9	39.8	39.8	37.8	36.4	36.4
135°	36.7	*37.0*	36.7	35.3	35.6	36.1	37.0	37.3	35.3	34.4	34.7
137.5°	35.3	*36.1*	36.4	35.8	35.8	35.3	35.0	35.3	34.7	35.0	35.0
140°	35.3	*35.6*	36.4	37.0	36.4	35.8	35.8	35.8	36.1	37.0	37.5
142.5°	36.1	*36.4*	36.1	35.8	36.7	38.1	39.2	39.2	38.4	37.8	38.1
145°	41.5	*42.3*	42.3	41.5	42.0	41.5	41.5	40.9	40.9	40.9	41.2
147.5°	39.5	*39.2*	39.8	40.6	39.8	39.5	39.5	39.8	40.4	40.6	40.9
150°	31.0	*30.2*	30.8	32.5	32.2	32.2	32.2	32.5	32.7	32.7	33.0
152.5°	24.6	*24.6*	25.1	25.1	25.4	25.4	25.1	25.1	25.1	25.4	25.4
155°	22.0	*21.7*	22.3	23.1	22.6	22.6	22.6	22.6	22.6	22.6	22.9
157.5°	19.2	*18.9*	18.9	19.2	19.2	19.2	19.2	19.5	19.5	19.2	19.5
160°	17.5	*17.5*	17.2	17.2	17.2	17.5	17.8	17.8	17.5	17.2	17.2
162.5°	16.7	*16.7*	16.1	15.8	15.8	16.1	16.7	16.7	16.1	15.8	15.8
165°	16.7	*16.4*	15.5	15.0	15.0	15.5	16.4	16.4	15.5	15.0	15.0
167.5°	16.4	*16.4*	15.8	15.2	15.2	15.8	16.1	16.4	16.1	15.5	15.2
170°	15.8	*15.8*	16.1	16.1	15.8	15.8	15.8	15.8	16.1	16.1	16.1
172.5°	16.4	*16.1*	16.4	16.7	16.7	16.4	16.1	16.1	16.4	16.7	16.7
175°	16.7	*16.7*	16.4	16.4	16.4	16.1	16.1	16.1	16.4	16.7	16.4
177.5°	15.0	*15.0*	14.7	15.0	15.0	15.0	14.7	15.0	15.0	15.0	15.2
180°	14.1	*14.1*	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-2

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.03

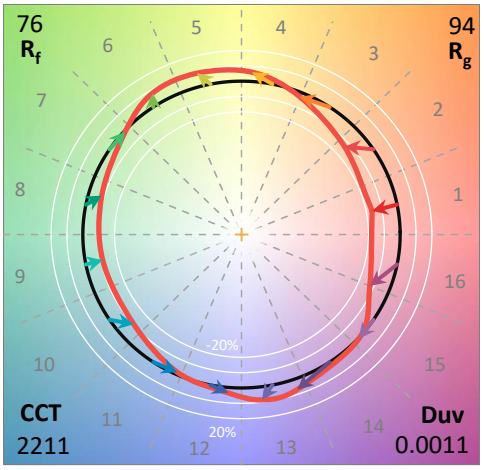
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2406-133-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2211	CRI (Ra):	71.4		
CIE u':	0.2892	R1:	68.2	R9:	-29.2
CIE v':	0.5376	R2:	85.0	R10:	67.8
Duv:	0.0011	R3:	94.0	R11:	60.7
CIE x:	0.5069	R4:	65.1	R12:	59.0
CIE y:	0.4188	R5:	66.6	R13:	71.3
CIE z:	0.0743	R6:	81.8	R14:	97.6
Peak Wavelength (nm):	606	R7:	73.4	R15:	58.9
Dominant Wavelength (nm):	586	R8:	37.3		
Purity:	77.8805				
Rf:	76.1				
Rg:	94.3				



Test Conditions

Stabilization Time:	0.813563M
Operation Time:	1H
Sphere Temperature (°C):	24.7

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REPORT NUMBER: SP1-2406-133-2

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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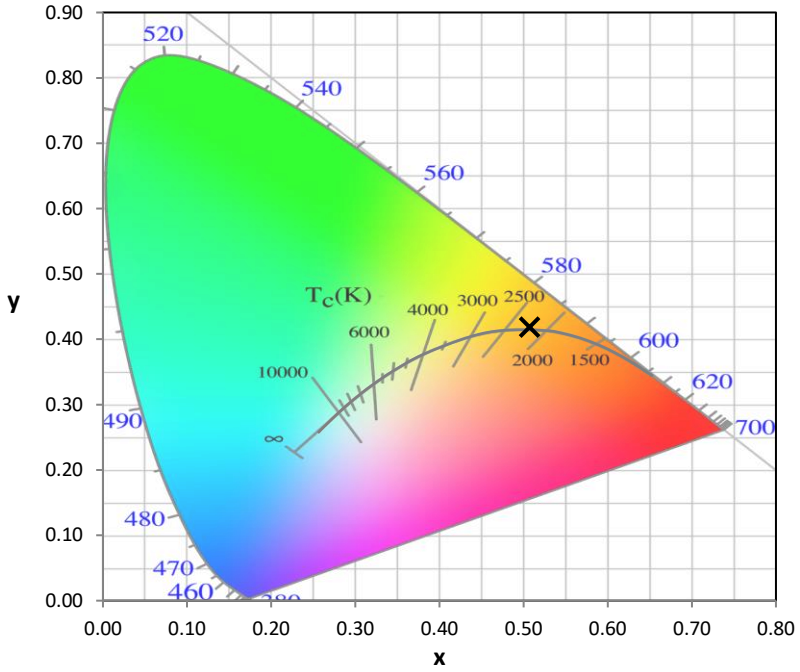
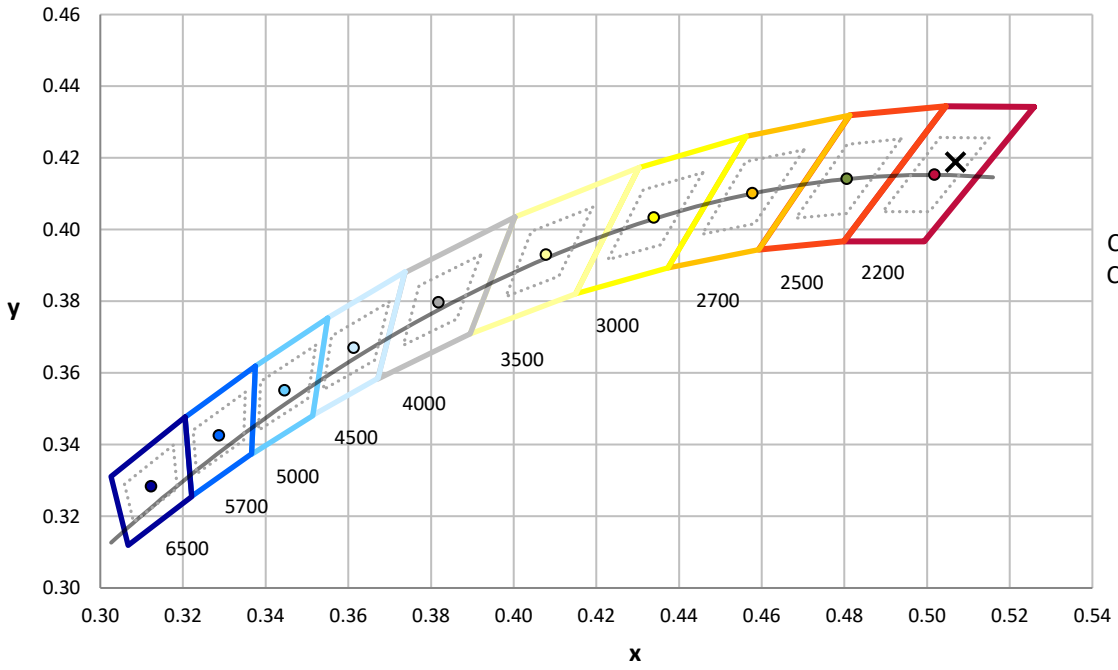
CIE 1931 Chromaticity Diagram



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



CCT = 2211K
CIE x = 0.5069
CIE y = 0.4188
Duv = 0.0011

Point lies inside the ANSI 2200K 4-step quadrangle

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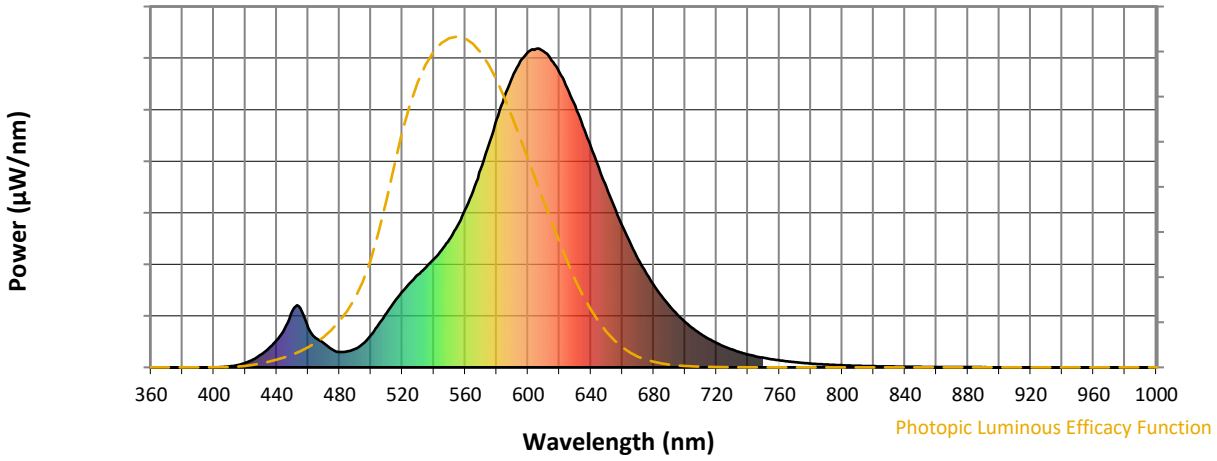
Photopic Flux vs. Wavelength



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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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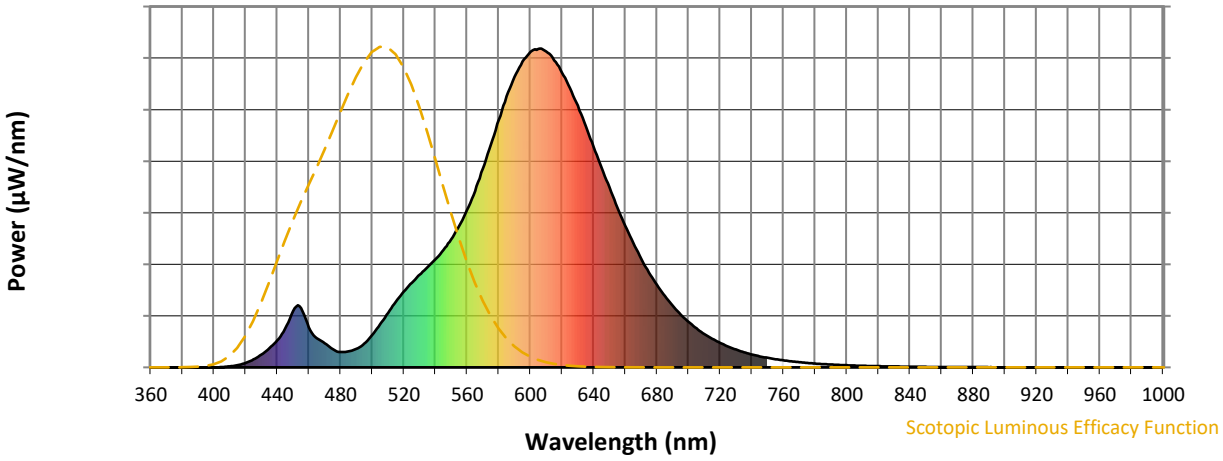
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.87**

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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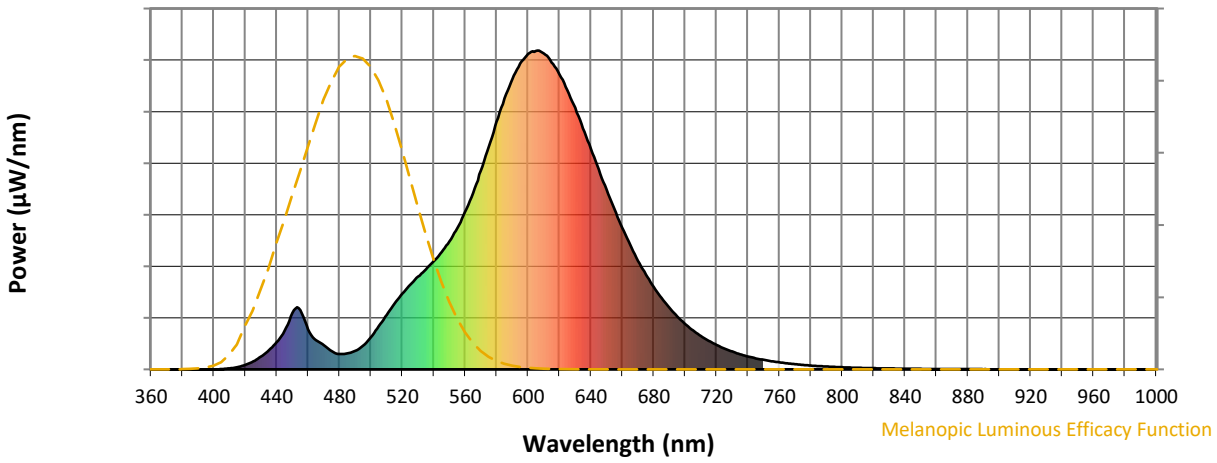
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.42**

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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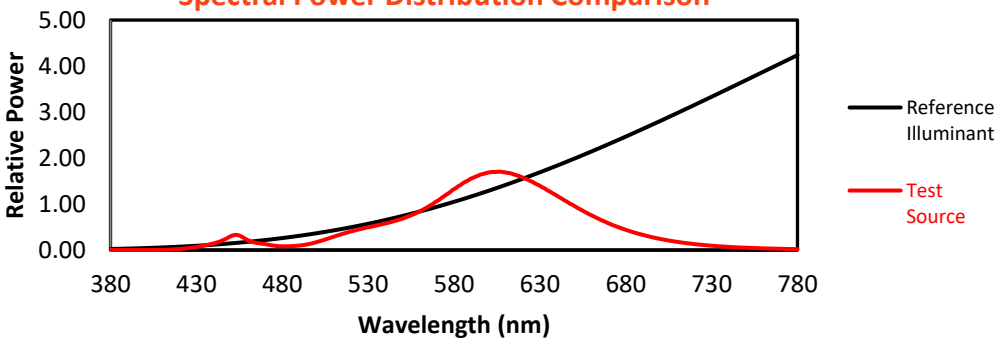
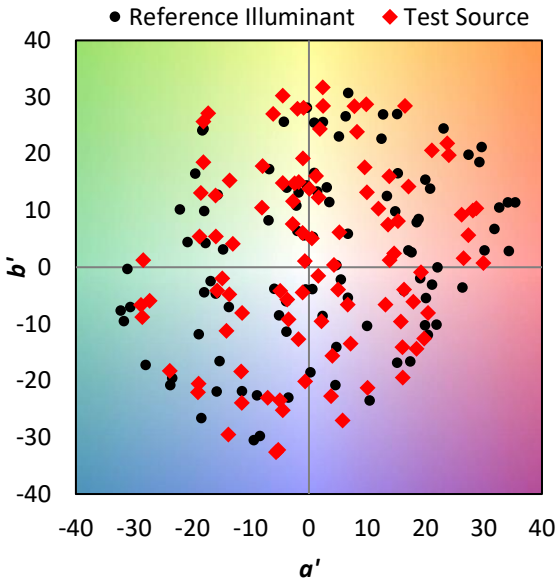
Summary

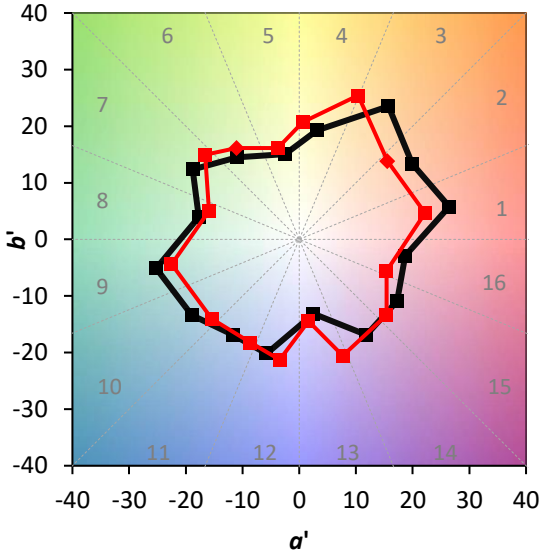
R_f = 76.1
R_g = 94.3
CIE R_a = 71.4
R_9 = -29.2

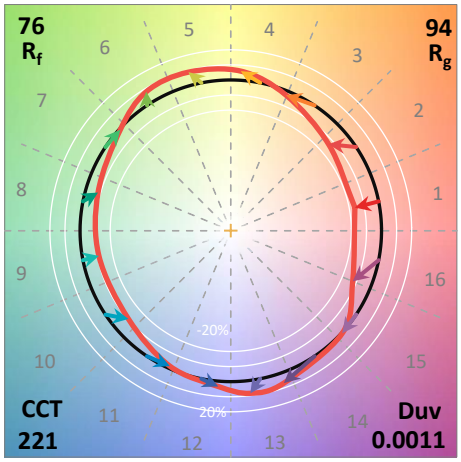
Spectral Power Distribution Comparison

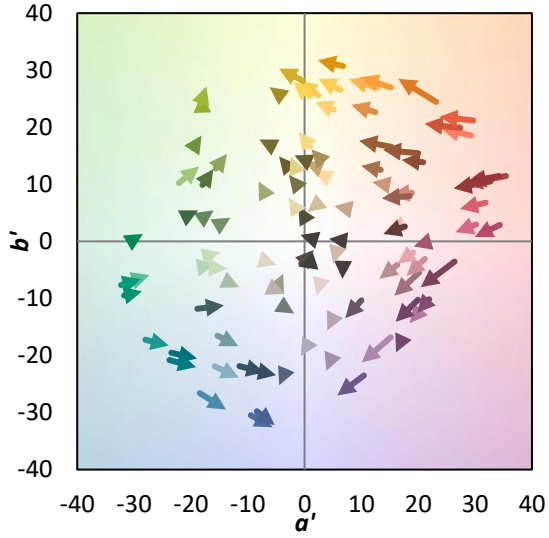


Color Vector Graphics









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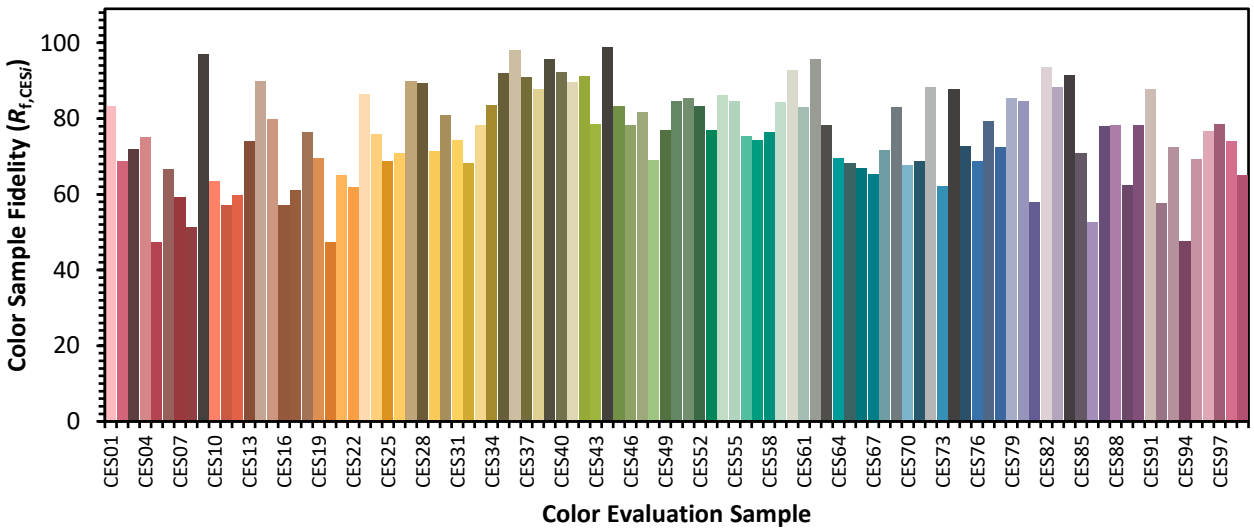
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 93
CES08 = 42	CES33 = 78	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 84	CES59 = 84	CES84 = 92
CES10 = 79	CES35 = 92	CES60 = 93	CES85 = 71
CES11 = 62	CES36 = 98	CES61 = 83	CES86 = 53
CES12 = 68	CES37 = 91	CES62 = 96	CES87 = 78
CES13 = 45	CES38 = 88	CES63 = 78	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 69	CES89 = 63
CES15 = 72	CES40 = 92	CES65 = 68	CES90 = 78
CES16 = 49	CES41 = 90	CES66 = 67	CES91 = 88
CES17 = 51	CES42 = 91	CES67 = 65	CES92 = 58
CES18 = 57	CES43 = 79	CES68 = 72	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 68	CES45 = 83	CES70 = 68	CES95 = 69
CES21 = 88	CES46 = 78	CES71 = 69	CES96 = 77
CES22 = 81	CES47 = 82	CES72 = 88	CES97 = 79
CES23 = 92	CES48 = 69	CES73 = 62	CES98 = 74
CES24 = 92	CES49 = 77	CES74 = 88	CES99 = 65
CES25 = 74	CES50 = 85	CES75 = 73	



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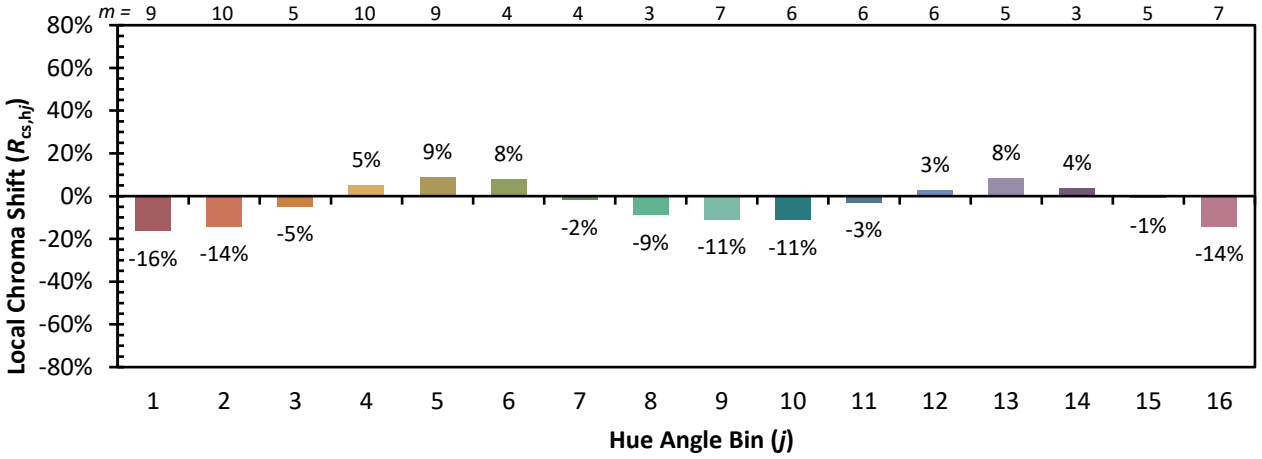
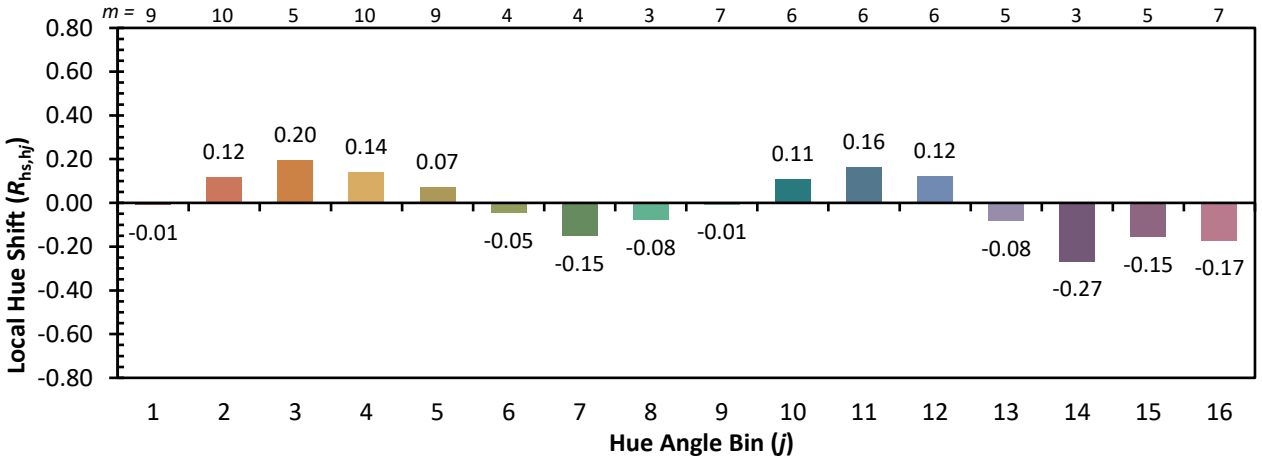
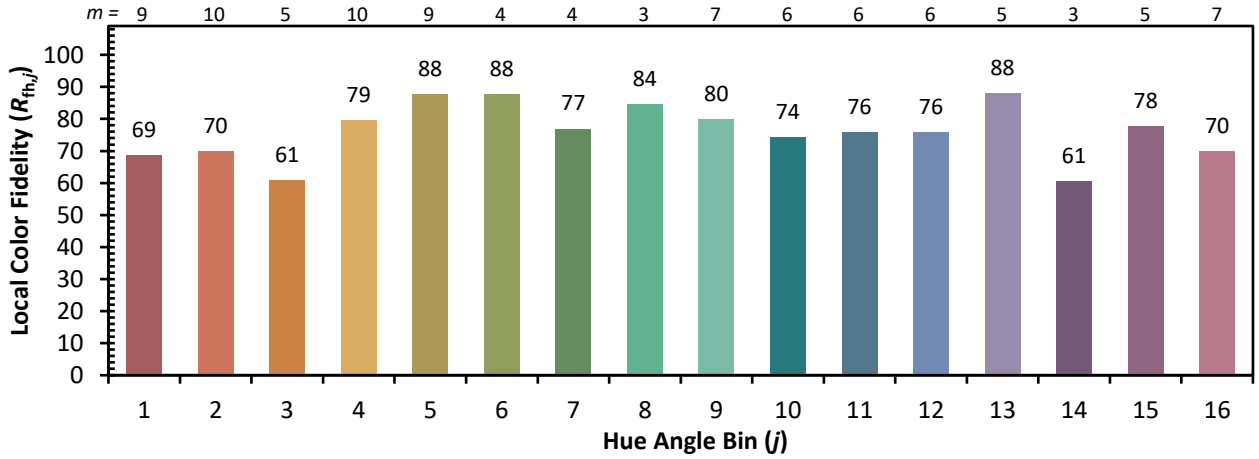
Color Rendition by Hue-Angle Bin







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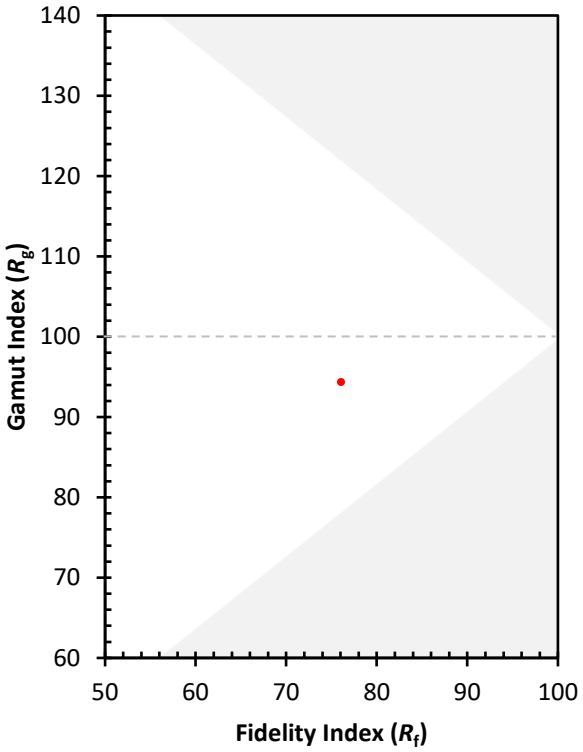
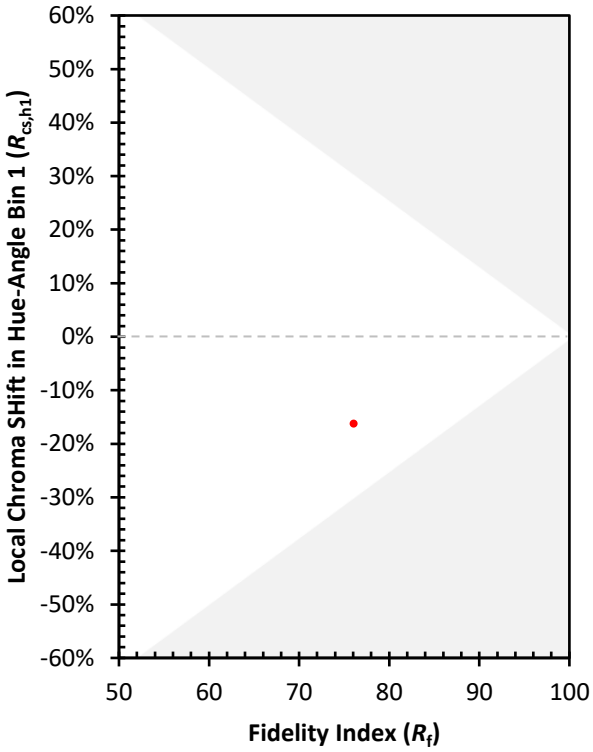
Measure Comparisons





(END OF REPORT)