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: P856163

Luminaire Tested: **FFX-CLB-20-727-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:	P856163
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-727-U-FR-T5-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2931.7 lumens
Efficiency:	N/A
Efficacy:	150.3 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: P856163
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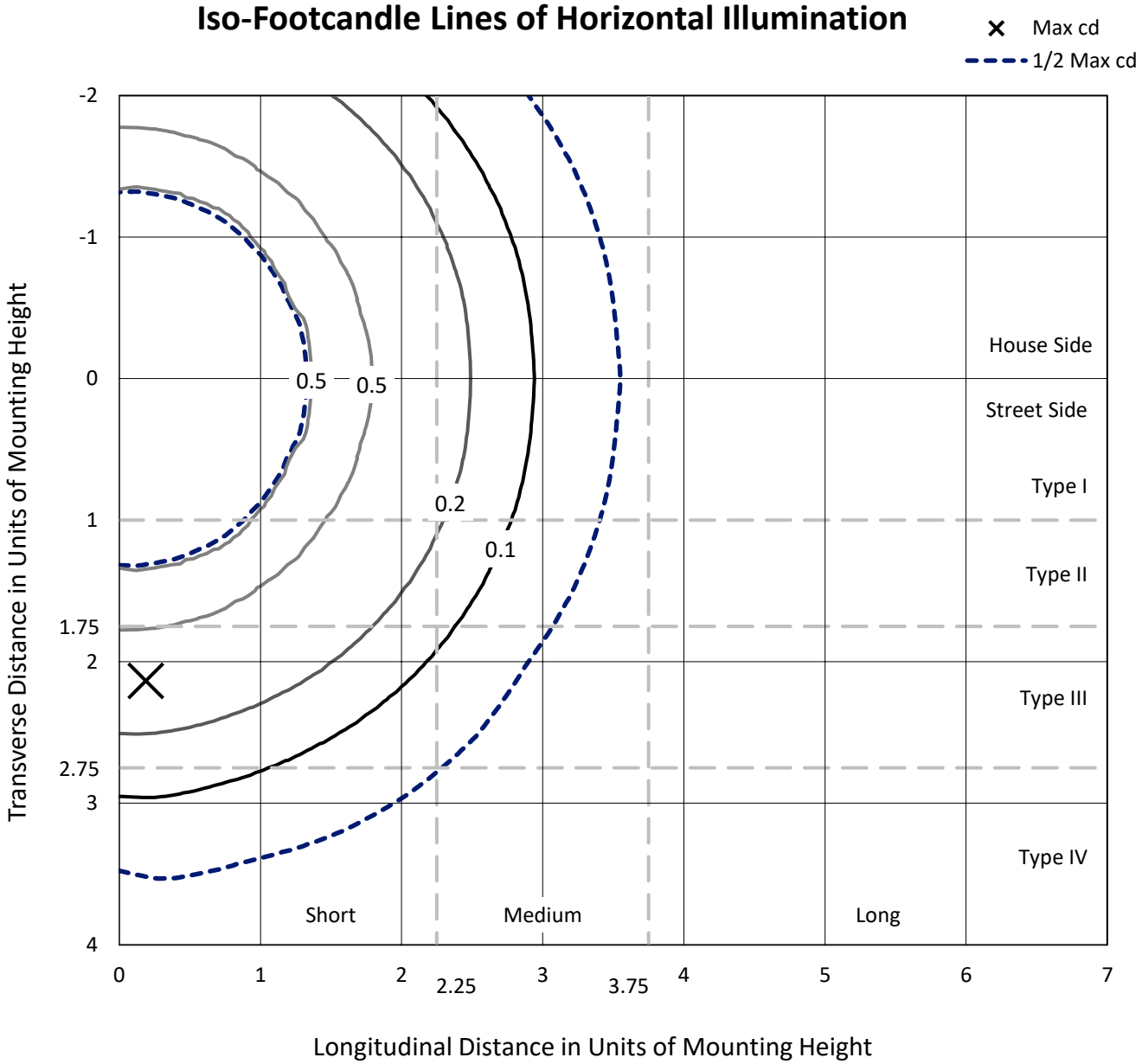
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 0.6 fc
Type V - Short - N/A

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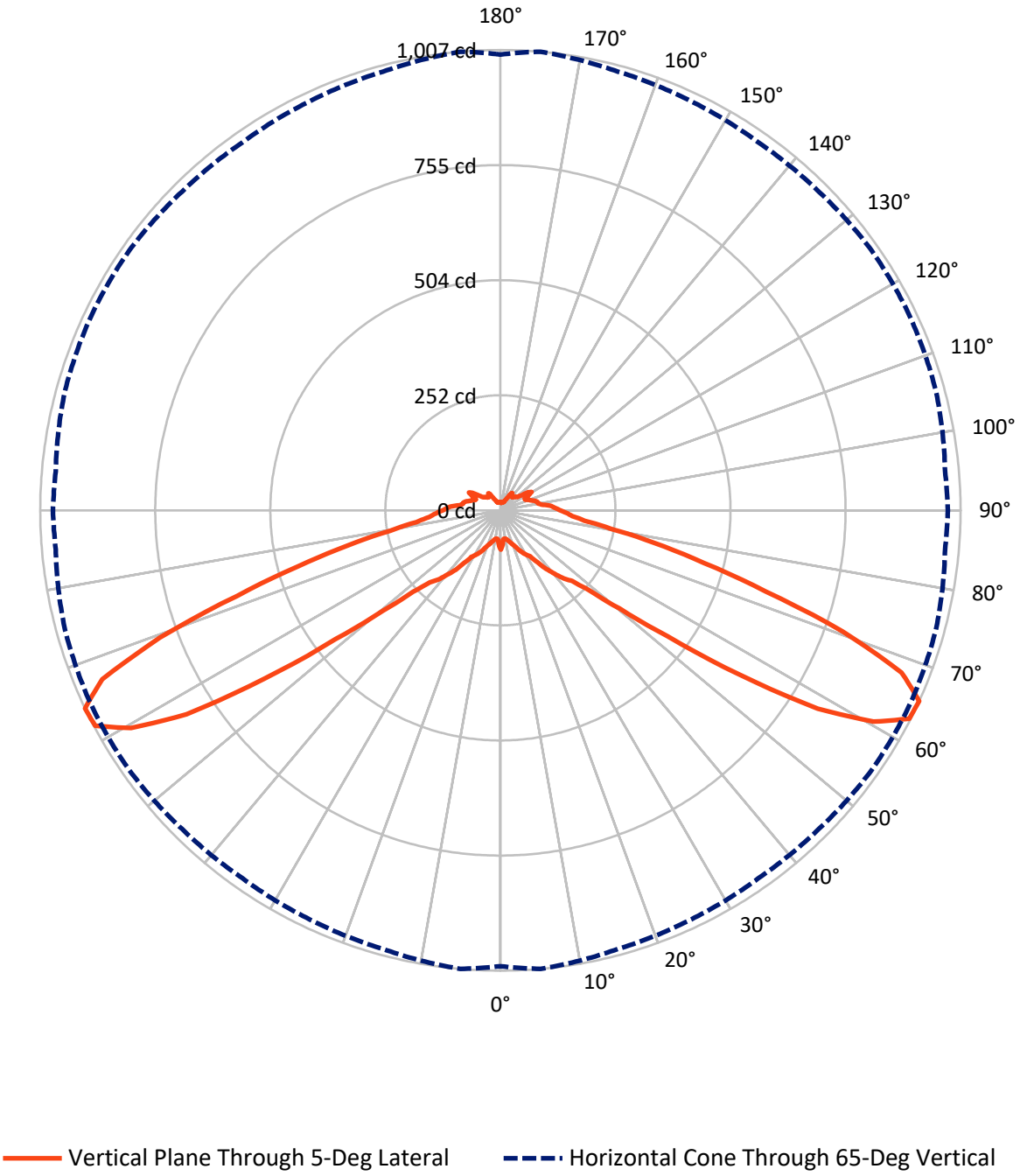
Luminous Intensity Polar Plot



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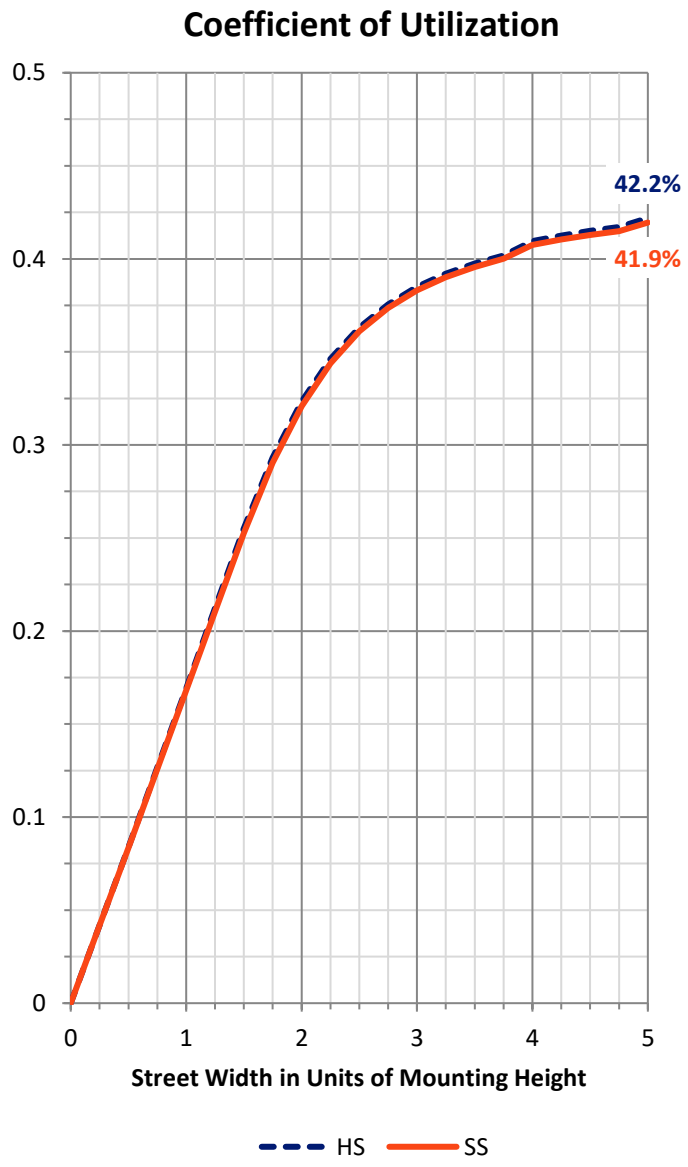
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1280.6	185.3	1465.9
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	1280.6	185.3	1465.9
	% Fixture	43.7	6.3	50.0
Total	Lumens	2561.2	370.5	2931.7
	% Fixture	87.4	12.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.2
10°-20°	20.6	0.7
20°-30°	44.6	1.5
30°-40°	90.4	3.1
40°-50°	182.2	6.2
50°-60°	579.4	19.8
60°-70°	934.3	31.9
70°-80°	509.5	17.4
80°-90°	194.0	6.6
90°-100°	116.4	4.0
100°-110°	74.3	2.5
110°-120°	56.5	1.9
120°-130°	47.8	1.6
130°-140°	31.1	1.1
140°-150°	26.1	0.9
150°-160°	11.7	0.4
160°-170°	5.0	0.2
170°-180°	1.7	0.1
0°-90°	2561.2	87.4
0°-180°	2931.7	100.0



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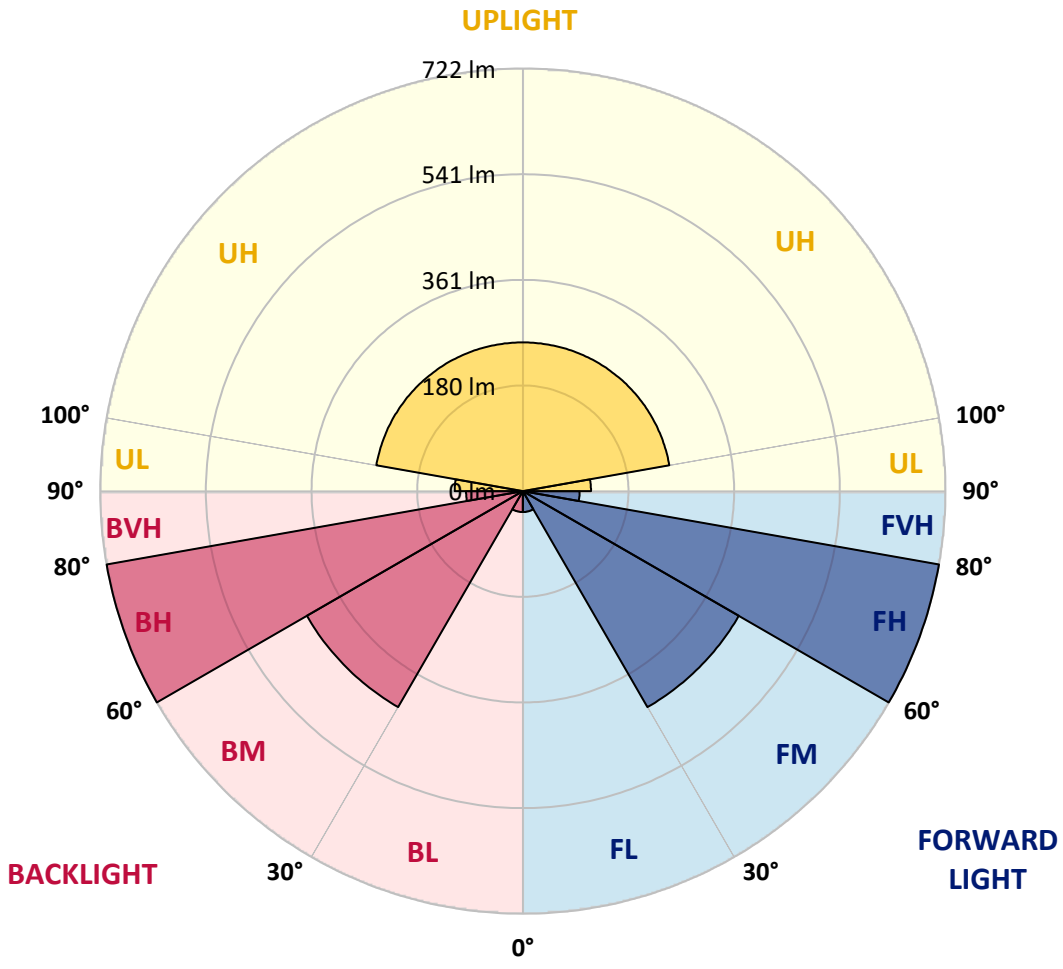
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	35.7	1.2			
FM	(30°-60°)	426.0	14.5			
FH	(60°-80°)	721.9	24.6			G1/1800
FVH	(80°-90°)	97.0	3.3			G1/100
BL	(0°-30°)	35.7	1.2	B0/110		
BM	(30°-60°)	426.0	14.5	B1/1000		
BH	(60°-80°)	721.9	24.6	B2/1000		G1/1800
BVH	(80°-90°)	97.0	3.3			G1/100
UL	(90°-100°)	116.4	4.0		U3/500	
UH	(100°-180°)	254.1	8.7		U3/500	

BUG Rating: B2-U3-G1
Type V Short



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REPORT NUMBER: P856163
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	76.8	78.1	74.7	72.0	70.7	71.0	73.8	76.5	73.8	74.7	74.7
5°	63.7	64.0	64.0	63.4	64.3	62.5	60.3	60.3	62.5	64.9	64.9
7.5°	61.5	62.5	64.9	64.9	65.8	62.8	59.7	60.0	63.1	66.7	67.7
10°	63.4	63.4	62.8	63.4	65.5	65.2	61.8	60.3	62.5	66.1	67.4
12.5°	66.1	66.1	68.0	70.7	71.0	68.3	64.9	64.6	67.1	69.5	69.5
15°	70.1	70.4	71.3	71.0	72.0	71.0	70.1	70.7	72.3	72.3	72.3
17.5°	75.3	75.3	75.3	75.3	75.3	75.6	75.9	75.9	75.9	76.5	76.5
20°	81.1	81.1	80.8	80.5	80.5	80.8	81.1	81.1	81.1	81.7	81.7
22.5°	88.5	88.2	87.6	87.6	87.6	87.9	87.3	87.0	86.6	87.0	87.0
25°	97.1	97.1	96.4	95.5	95.5	95.2	94.3	94.0	93.7	94.3	94.0
27.5°	105.6	105.6	104.7	103.5	103.5	103.5	102.9	102.3	101.6	102.0	102.0
30°	113.6	113.0	112.7	111.8	111.4	111.8	111.1	111.1	109.9	109.6	110.2
32.5°	120.9	120.3	120.9	120.0	119.1	120.0	119.7	119.7	117.9	117.3	117.9
35°	141.1	139.6	140.8	138.7	137.5	137.8	138.4	139.6	137.8	136.9	137.2
37.5°	162.9	162.6	166.6	169.9	169.3	164.1	160.7	161.4	163.8	167.2	167.2
40°	183.1	182.5	183.4	182.2	182.2	181.6	181.3	182.8	177.9	176.7	175.7
42.5°	204.2	203.9	198.7	191.4	189.8	195.9	198.7	200.8	193.8	191.4	189.5
45°	225.0	220.7	219.8	217.4	214.9	218.9	218.6	220.1	216.8	216.5	214.9
47.5°	268.8	260.9	258.1	258.4	253.2	257.5	259.3	264.2	257.2	257.5	257.2
50°	347.8	337.7	342.3	339.2	333.7	338.9	338.6	347.5	335.9	340.2	338.3
52.5°	471.2	457.4	460.2	458.3	452.8	463.5	466.0	479.2	456.8	462.3	460.8
55°	649.7	634.7	640.8	618.8	613.0	634.1	642.0	657.3	627.6	630.7	629.2
57.5°	819.9	819.0	829.4	813.8	808.6	823.6	816.3	829.7	813.8	825.1	821.5
60°	936.0	938.4	948.8	953.4	944.2	952.2	934.4	944.5	939.6	956.2	954.6
62.5°	996.3	1004.2	998.1	998.4	988.3	994.4	991.1	996.9	995.7	997.2	995.7
65°	997.5	1007.3	993.8	987.7	983.4	985.9	991.7	991.7	988.0	977.0	979.4
67.5°	932.3	947.0	932.0	923.4	925.9	924.9	928.9	923.7	921.6	905.3	905.7
70°	771.9	795.4	773.4	765.4	771.9	775.8	775.5	771.2	767.9	747.7	753.5
72.5°	586.0	606.8	587.2	584.2	590.3	596.4	591.2	596.4	590.9	581.7	584.5
75°	442.4	460.2	460.2	471.8	473.6	470.3	455.9	461.7	465.4	465.7	468.4
77.5°	325.5	344.1	353.9	372.9	372.0	366.2	348.7	355.5	362.5	367.4	370.8
80°	231.5	245.5	259.9	273.4	275.2	270.3	259.6	263.6	267.9	271.3	273.1
82.5°	179.4	185.8	183.1	181.6	184.0	191.1	193.5	195.9	189.8	185.8	187.4
85°	156.5	157.1	162.0	165.3	166.3	166.3	163.8	165.6	167.2	171.1	171.1
87.5°	142.7	143.3	155.5	158.9	160.1	158.6	155.5	156.8	158.0	160.4	160.4
90°	126.8	128.6	140.8	143.6	144.8	142.4	141.5	142.4	140.8	141.8	141.8
92.5°	117.9	117.9	123.7	122.5	122.2	122.5	122.8	123.7	122.2	121.5	121.5
95°	107.8	109.3	107.8	109.0	108.7	107.2	106.5	107.2	106.2	106.2	106.9
97.5°	90.3	90.6	87.9	88.8	88.8	87.6	86.0	86.6	85.7	86.3	86.6
100°	84.5	83.6	79.0	78.4	78.1	77.2	76.2	76.2	75.9	75.6	75.9
102.5°	82.7	82.7	76.5	75.3	74.7	73.2	72.0	72.0	72.0	72.0	72.3
105°	75.6	77.8	73.2	72.3	71.3	69.5	67.7	67.4	68.0	67.4	68.3
107.5°	68.6	70.4	68.0	68.0	67.1	65.2	64.0	63.7	64.0	63.4	64.0
110°	64.6	65.5	62.8	62.8	62.2	60.6	60.3	60.0	60.0	59.1	59.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	59.7	*59.7*	57.6	56.9	56.9	56.0	55.7	55.4	55.4	55.4	55.7
115°	59.4	*59.1*	55.7	53.6	53.3	53.0	53.3	53.0	53.0	52.7	52.7
117.5°	72.6	*69.5*	58.2	53.0	53.0	53.3	54.5	53.6	51.4	51.4	51.1
120°	78.4	*79.0*	67.1	61.5	60.3	58.8	58.5	57.9	55.7	55.4	56.6
122.5°	69.2	*72.3*	64.9	62.8	61.5	59.7	58.5	58.2	58.2	56.6	58.8
125°	53.9	*56.6*	53.0	52.7	52.4	52.7	52.0	52.0	52.7	51.7	52.0
127.5°	46.2	*47.5*	45.9	45.9	45.6	45.3	44.7	45.0	44.7	45.0	45.3
130°	44.4	*45.3*	43.8	43.2	43.2	43.5	43.5	43.5	42.6	41.9	42.3
132.5°	44.1	*43.8*	41.3	40.1	40.1	42.3	43.2	43.2	41.0	39.5	39.5
135°	39.8	*40.1*	39.8	38.3	38.6	39.2	40.1	40.4	38.3	37.4	37.7
137.5°	38.3	*39.2*	39.5	38.9	38.9	38.3	38.0	38.3	37.7	38.0	38.0
140°	38.3	*38.6*	39.5	40.1	39.5	38.9	38.9	38.9	39.2	40.1	40.7
142.5°	39.2	*39.5*	39.2	38.9	39.8	41.3	42.6	42.6	41.6	41.0	41.3
145°	45.0	*45.9*	45.9	45.0	45.6	45.0	45.0	44.4	44.4	44.4	44.7
147.5°	42.9	*42.6*	43.2	44.1	43.2	42.9	42.9	43.2	43.8	44.1	44.4
150°	33.7	*32.8*	33.4	35.2	34.9	34.9	34.9	35.2	35.5	35.5	35.8
152.5°	26.6	*26.6*	27.2	27.2	27.6	27.6	27.2	27.2	27.2	27.6	27.6
155°	23.9	*23.6*	24.2	25.1	24.5	24.5	24.5	24.5	24.5	24.5	24.8
157.5°	20.8	*20.5*	20.5	20.8	20.8	20.8	20.8	21.1	21.1	20.8	21.1
160°	19.0	*19.0*	18.7	18.7	18.7	19.0	19.3	19.3	19.0	18.7	18.7
162.5°	18.1	*18.1*	17.5	17.1	17.1	17.5	18.1	18.1	17.5	17.1	17.1
165°	18.1	*17.8*	16.8	16.2	16.2	16.8	17.8	17.8	16.8	16.2	16.2
167.5°	17.8	*17.8*	17.1	16.5	16.5	17.1	17.5	17.8	17.5	16.8	16.5
170°	17.1	*17.1*	17.5	17.5	17.1	17.1	17.1	17.1	17.5	17.5	17.5
172.5°	17.8	*17.5*	17.8	18.1	18.1	17.8	17.5	17.5	17.8	18.1	18.1
175°	18.1	*18.1*	17.8	17.8	17.8	17.5	17.5	17.5	17.8	18.1	17.8
177.5°	16.2	*16.2*	15.9	16.2	16.2	16.2	15.9	16.2	16.2	16.2	16.5
180°	15.3	*15.3*	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3

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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: SP1-2406-133-3

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.03

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

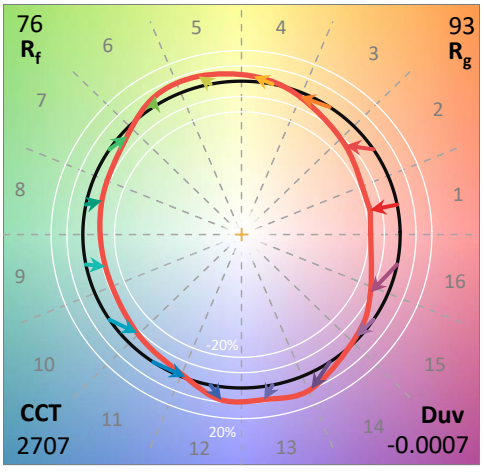
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2406-133-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2707
CIE u':	0.2624
CIE v':	0.5261
Duv:	-0.0007
CIE x:	0.4580
CIE y:	0.4082
CIE z:	0.1338
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.99901
Rf:	75.5
Rg:	92.5

CRI (Ra):	71.3
R1:	67.8
R2:	84.5
R3:	94.2
R4:	64.8
R5:	66.9
R6:	79.2
R7:	74.4
R8:	38.8
R9:	-34.9
R10:	65.1
R11:	59.2
R12:	54.2
R13:	71.2
R14:	97.5
R15:	59.4



Test Conditions

Stabilization Time:	0.813602M
Operation Time:	1H
Sphere Temperature (°C):	24.7

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REPORT NUMBER: SP1-2406-133-3

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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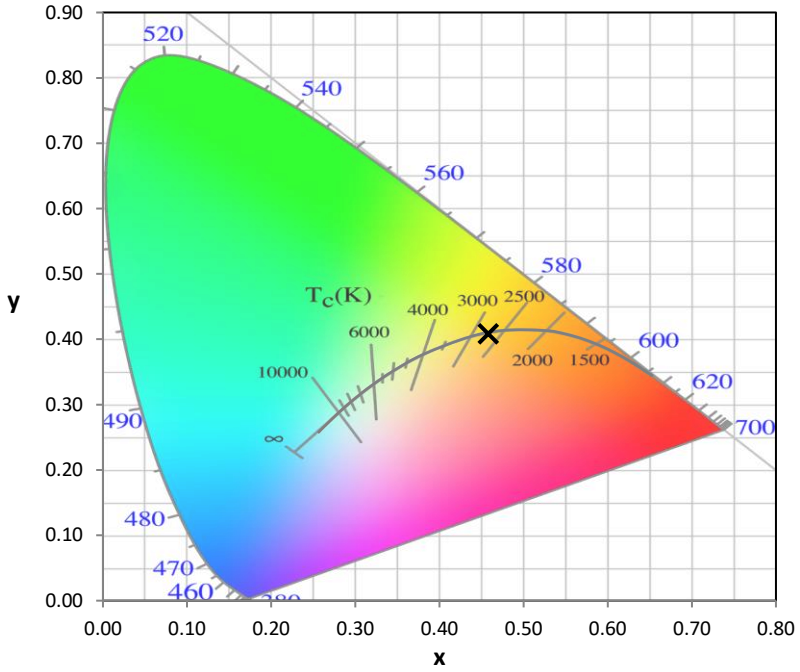
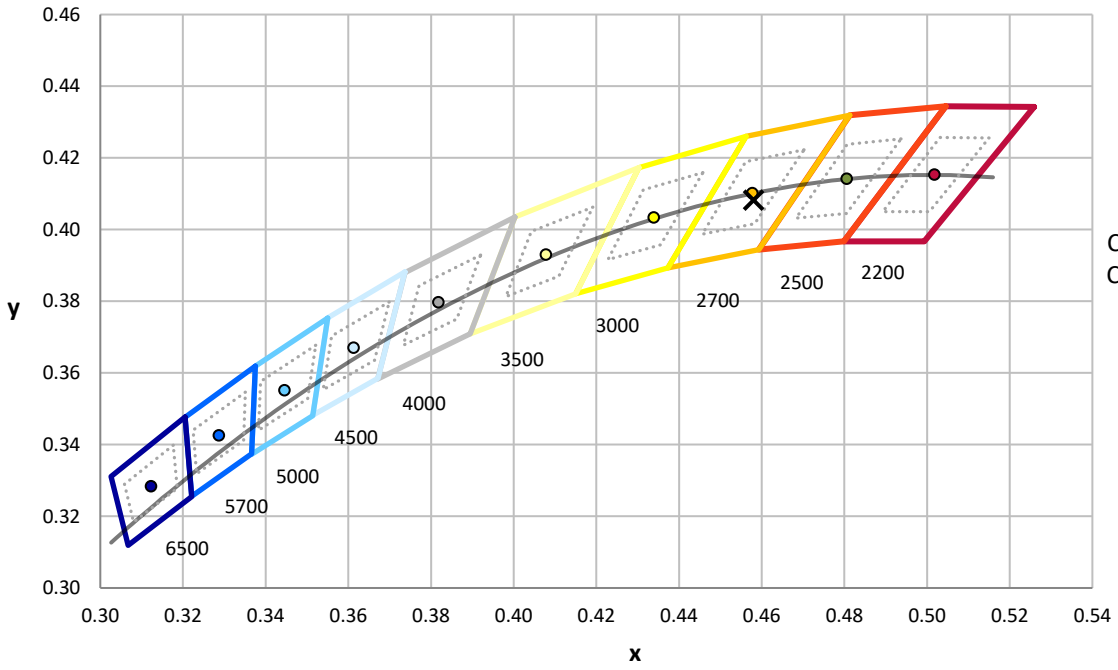
CIE 1931 Chromaticity Diagram



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



CCT = 2707K
CIE x = 0.4580
CIE y = 0.4082
Duv = -0.0007

Point lies inside the ANSI 2700K 4-step quadrangle

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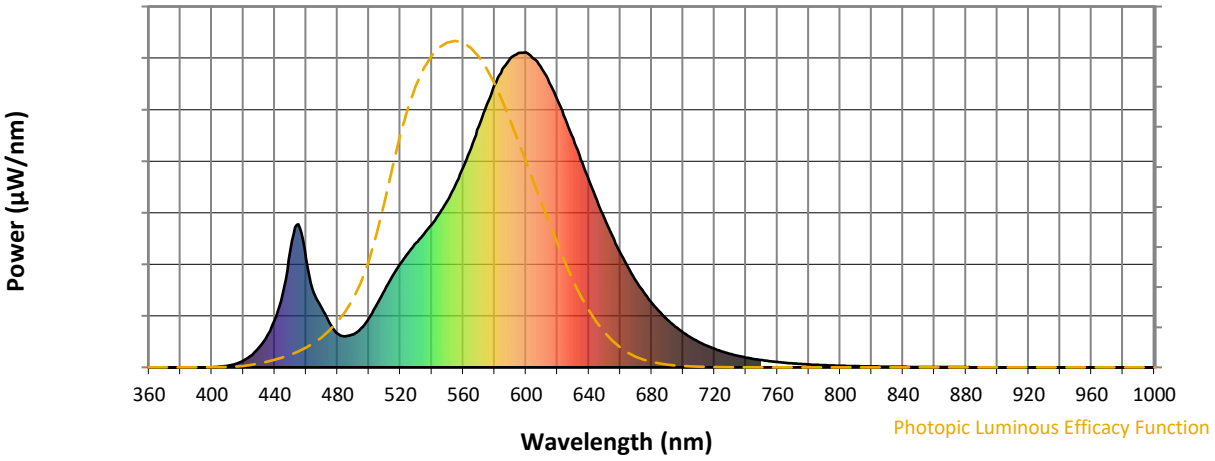
Photopic Flux vs. Wavelength



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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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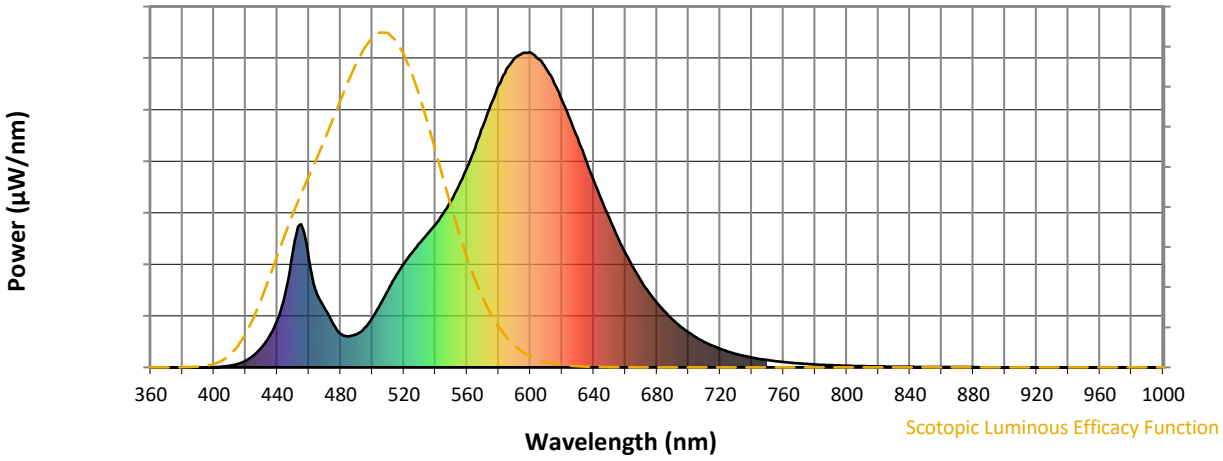
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.12**

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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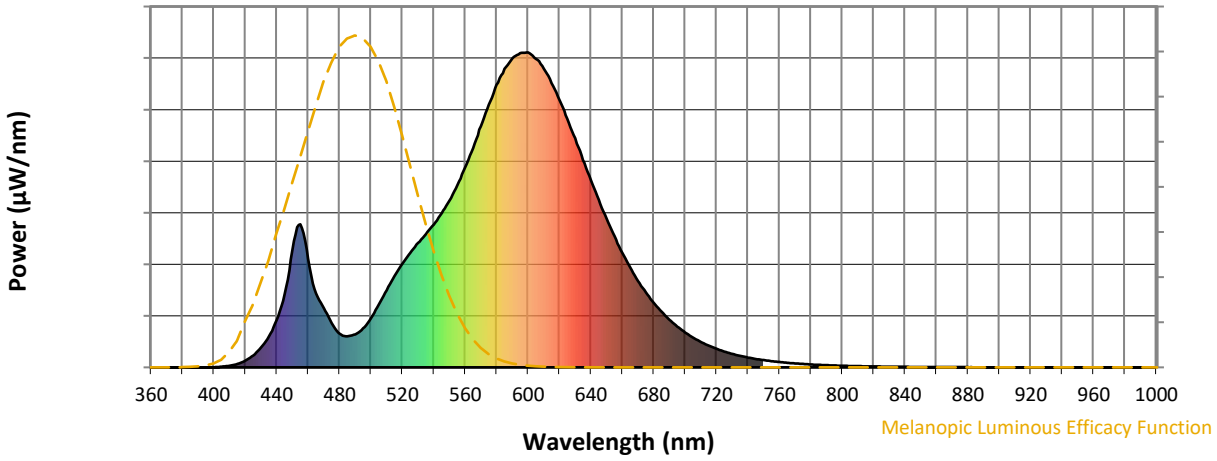
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.03**

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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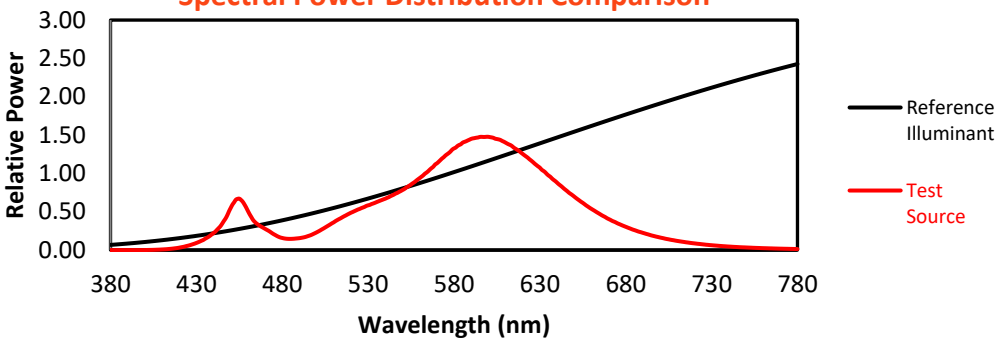
TM-30-18

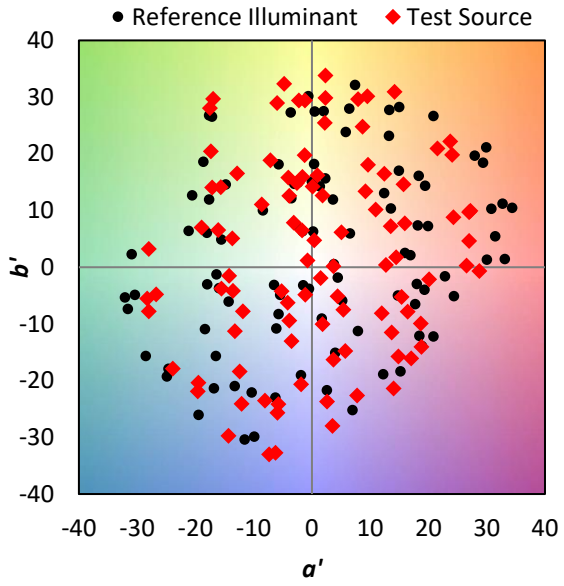
Summary

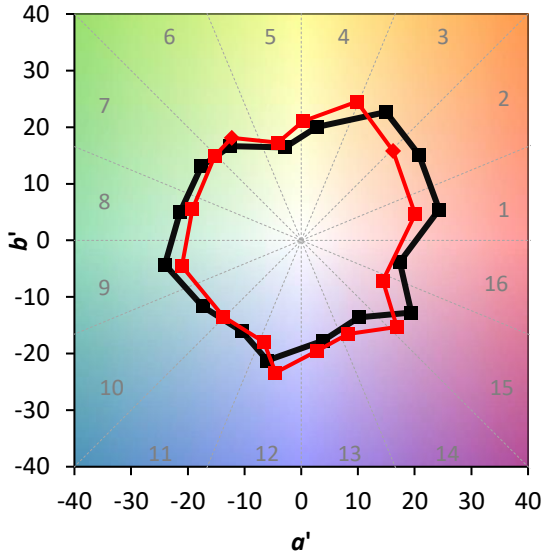
R_f = 75.5
R_g = 92.5
CIE R_a = 71.3
R_9 = -34.9

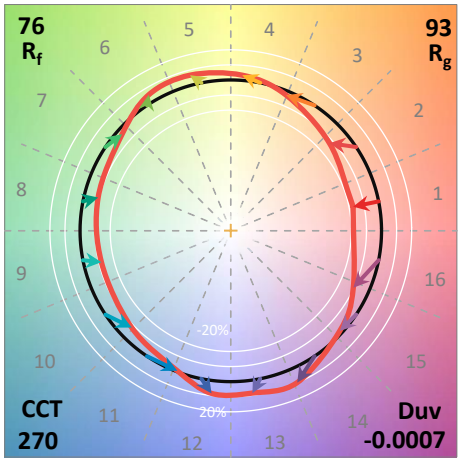
Spectral Power Distribution Comparison

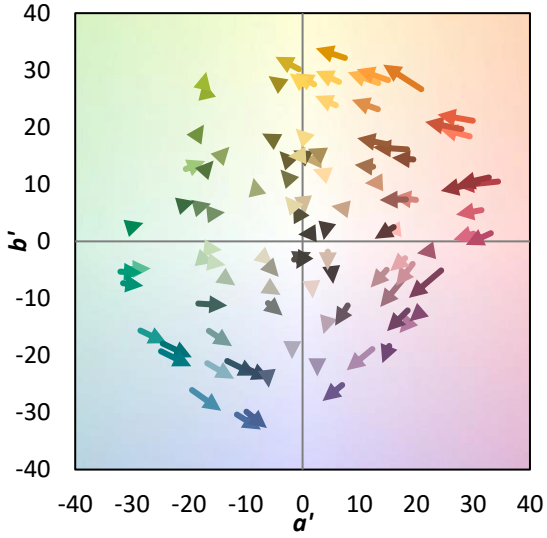


Color Vector Graphics









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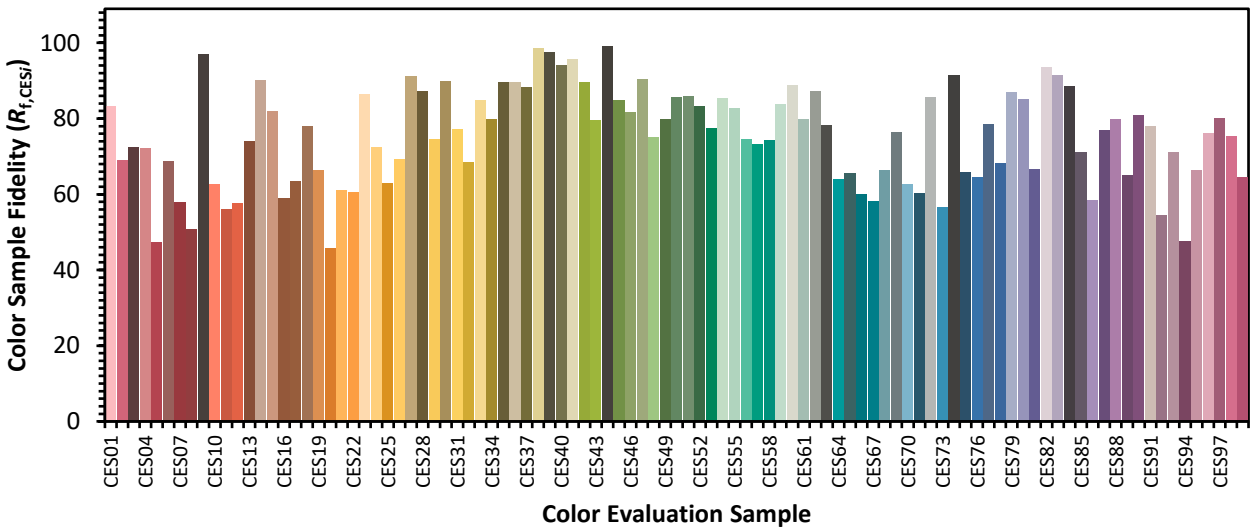
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 69	CES51 = 86	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 83	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 77	CES78 = 68
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 50	CES30 = 90	CES55 = 83	CES80 = 85
CES06 = 52	CES31 = 77	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 68	CES57 = 73	CES82 = 93
CES08 = 41	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 80	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 89	CES85 = 71
CES11 = 60	CES36 = 90	CES61 = 80	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 87	CES87 = 77
CES13 = 43	CES38 = 99	CES63 = 78	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 65
CES15 = 72	CES40 = 94	CES65 = 66	CES90 = 81
CES16 = 48	CES41 = 96	CES66 = 60	CES91 = 78
CES17 = 51	CES42 = 90	CES67 = 58	CES92 = 54
CES18 = 57	CES43 = 80	CES68 = 66	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 82	CES71 = 60	CES96 = 76
CES22 = 80	CES47 = 90	CES72 = 86	CES97 = 80
CES23 = 92	CES48 = 75	CES73 = 57	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 92	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



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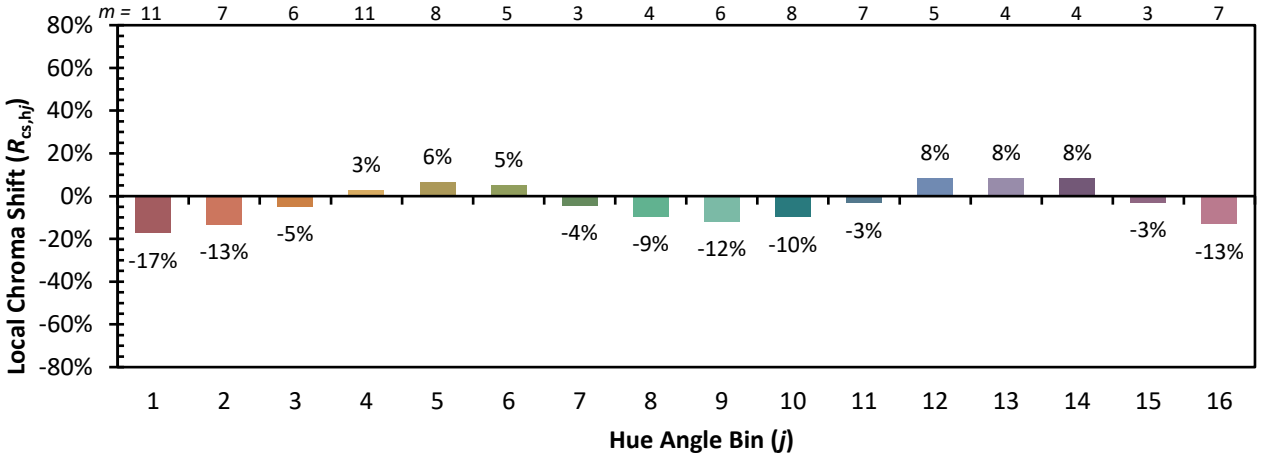
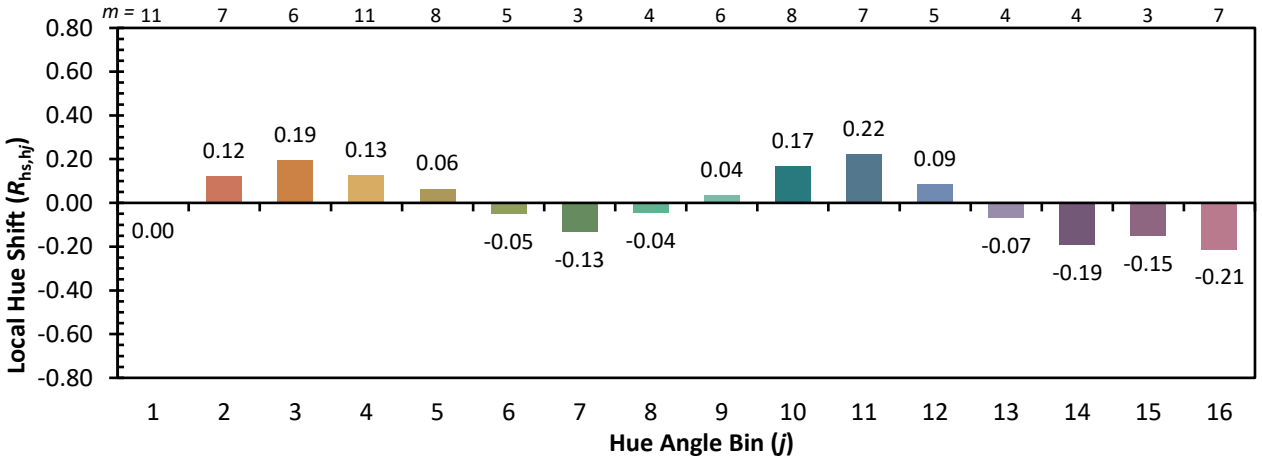
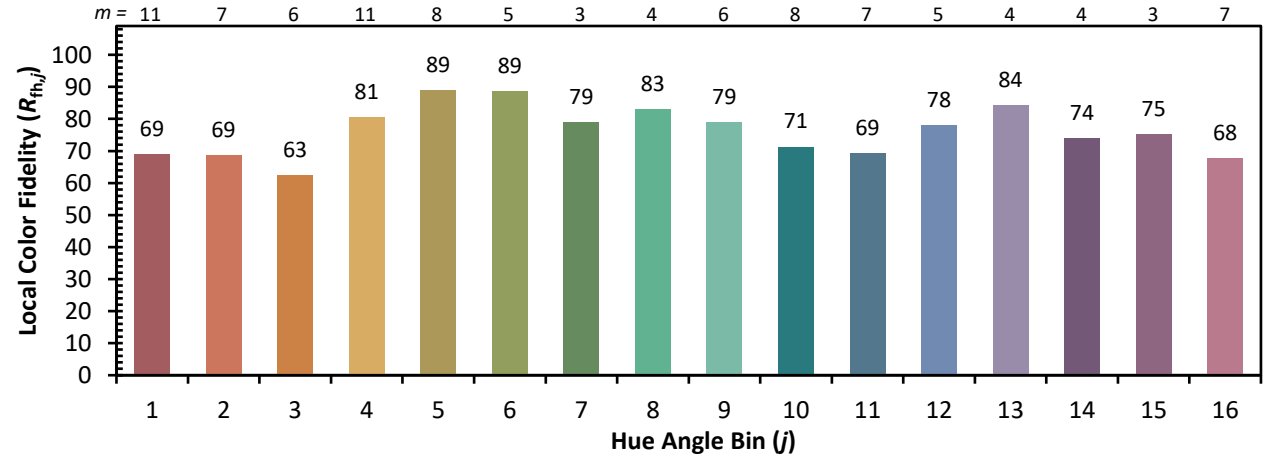
Color Rendition by Hue-Angle Bin







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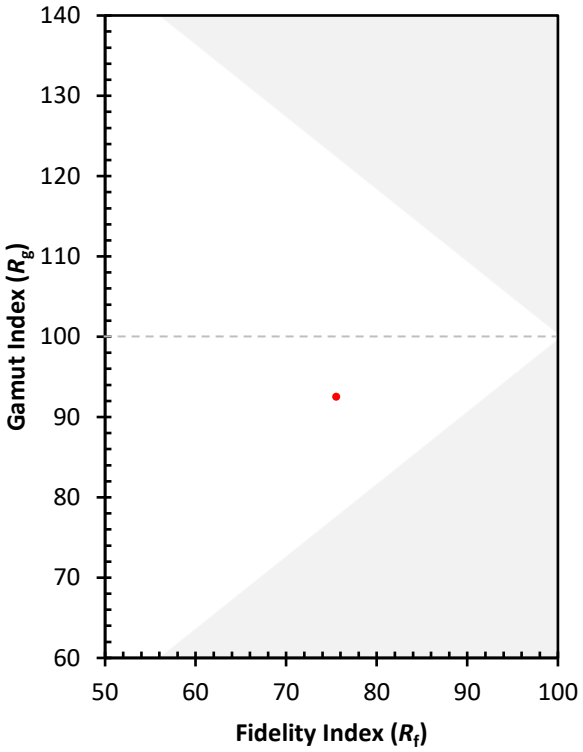
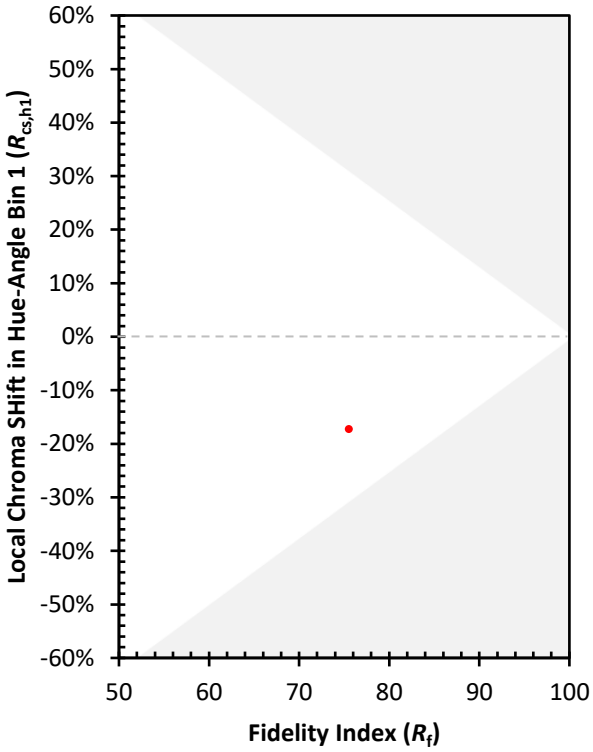
Measure Comparisons





(END OF REPORT)