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: P856082

Luminaire Tested: **FFX-CLB-20-730-U-FR-T5**

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:	P856082
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-730-U-FR-T5
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3206 lumens
Efficiency:	N/A
Efficacy:	164.4 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: P856082
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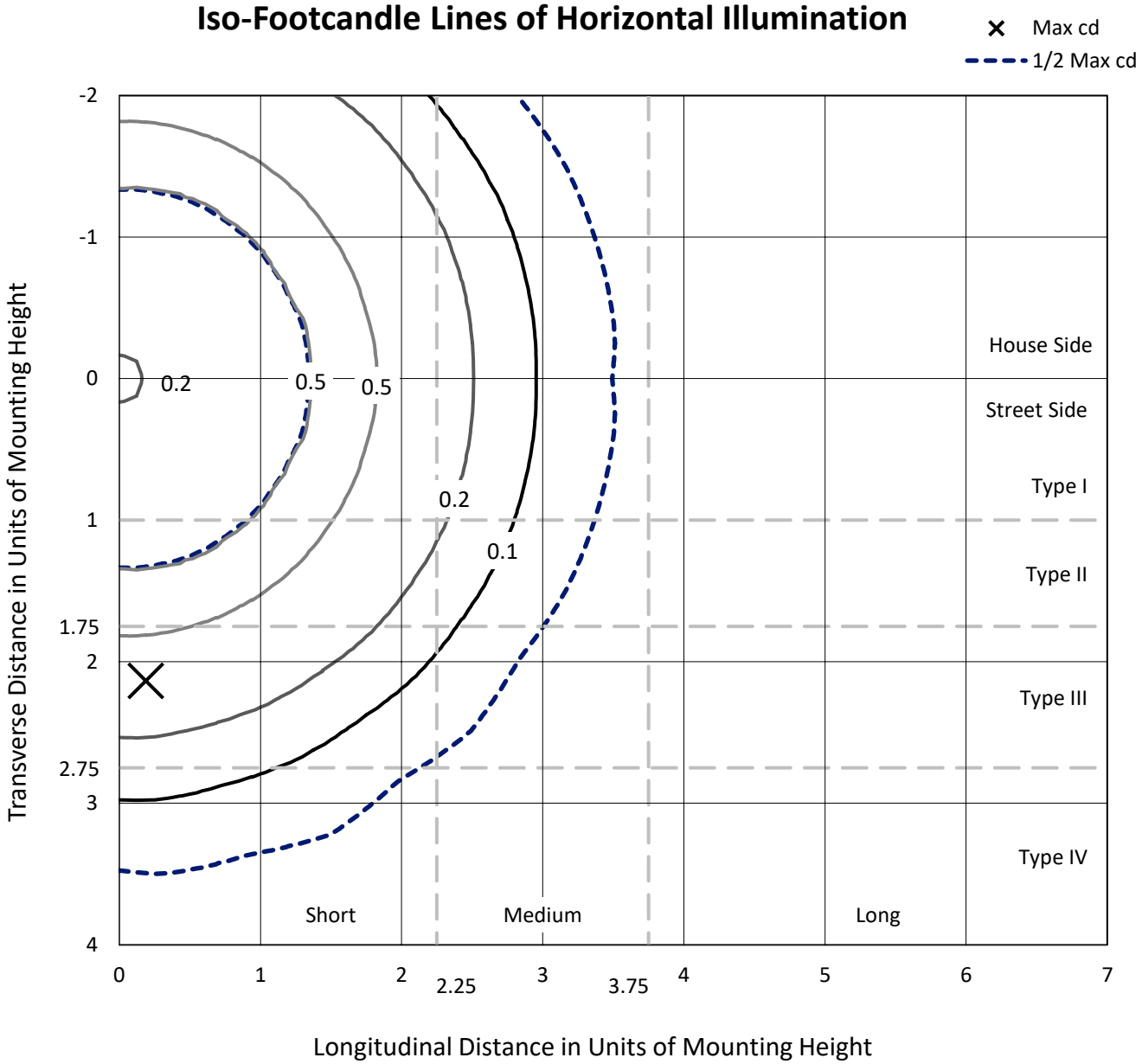
Iso-Footcandle Lines of Horizontal Illumination



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

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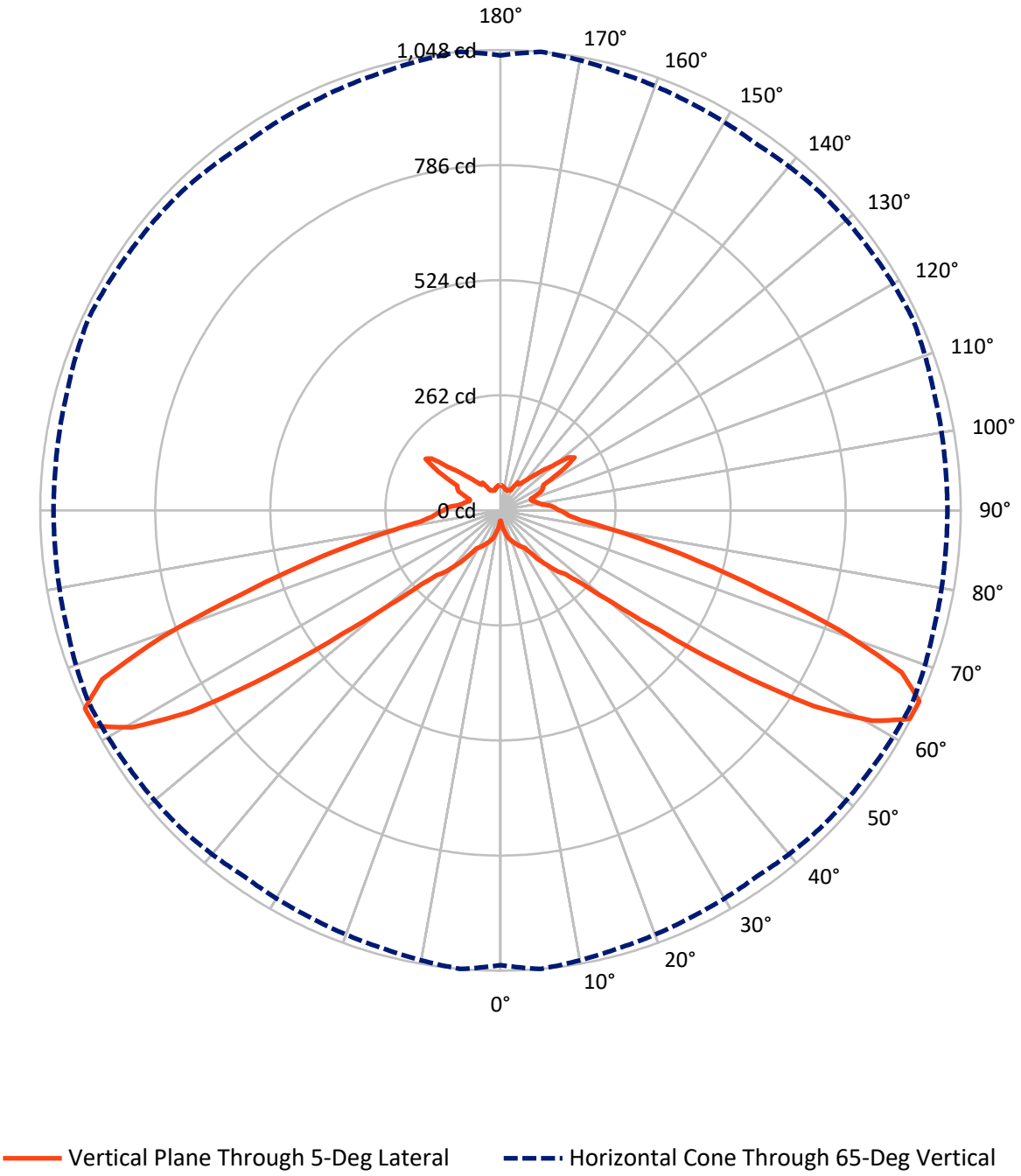
Luminous Intensity Polar Plot



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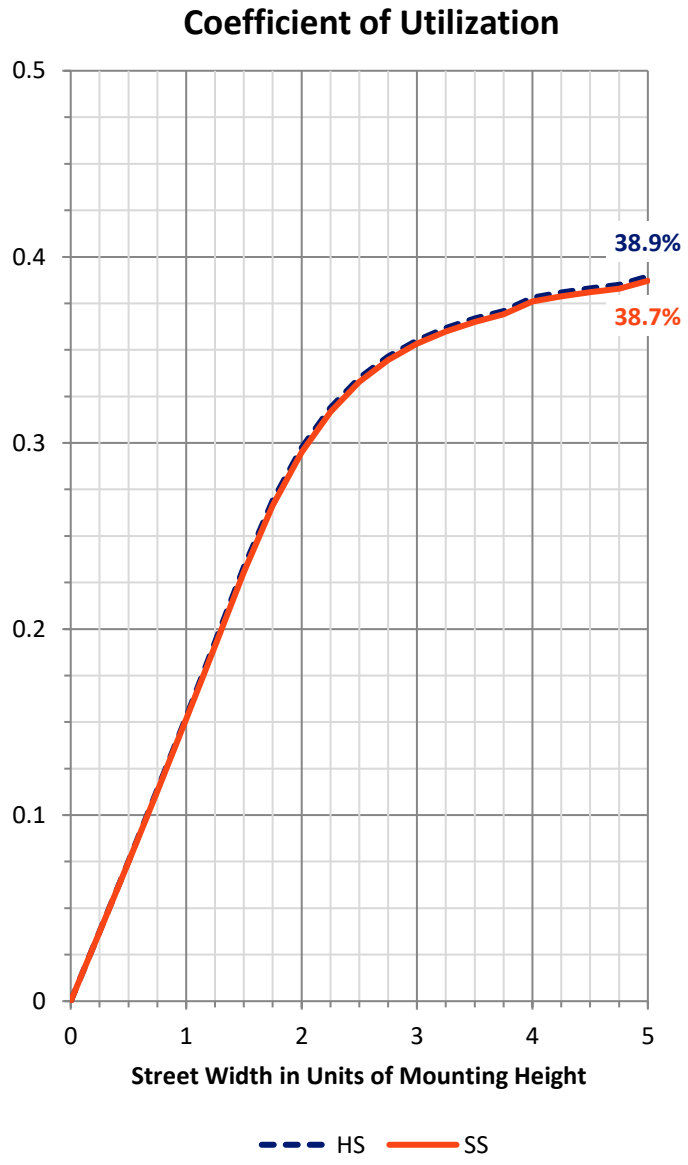
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1291.9	311.1	1603.0
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	1291.9	311.1	1603.0
	% Fixture	40.3	9.7	50.0
Total	Lumens	2583.8	622.2	3206.0
	% Fixture	80.6	19.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	18.3	0.6
20°-30°	39.8	1.2
30°-40°	78.9	2.5
40°-50°	171.2	5.3
50°-60°	589.6	18.4
60°-70°	968.4	30.2
70°-80°	519.8	16.2
80°-90°	194.1	6.1
90°-100°	122.6	3.8
100°-110°	82.1	2.6
110°-120°	90.2	2.8
120°-130°	149.3	4.7
130°-140°	87.9	2.7
140°-150°	46.5	1.5
150°-160°	24.4	0.8
160°-170°	13.9	0.4
170°-180°	5.2	0.2
0°-90°	2583.8	80.6
0°-180°	3206.0	100.0



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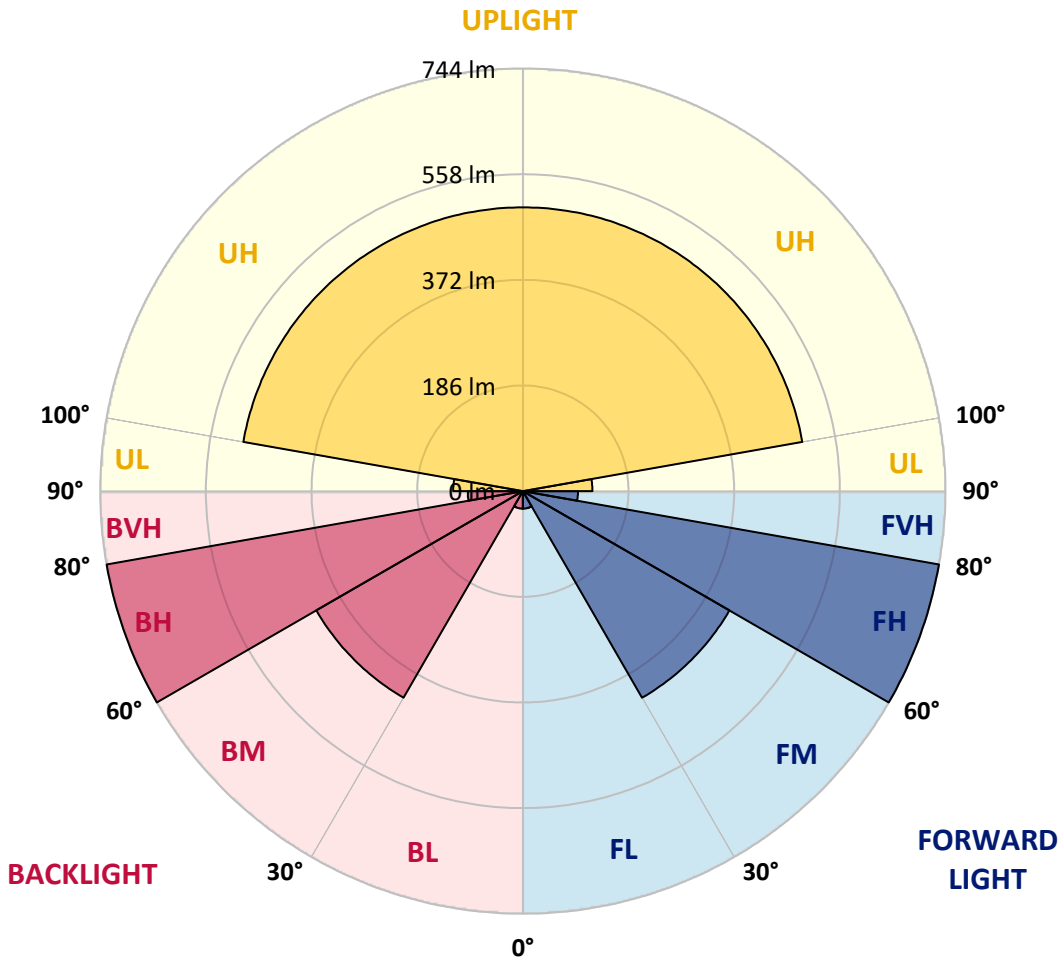
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	30.9	1.0			
FM	(30°-60°)	419.9	13.1			
FH	(60°-80°)	744.1	23.2			G1/1800
FVH	(80°-90°)	97.0	3.0			G1/100
BL	(0°-30°)	30.9	1.0	B0/110		
BM	(30°-60°)	419.9	13.1	B1/1000		
BH	(60°-80°)	744.1	23.2	B2/1000		G1/1800
BVH	(80°-90°)	97.0	3.0			G1/100
UL	(90°-100°)	122.6	3.8		U3/500	
UH	(100°-180°)	499.6	15.6		U3/500	

BUG Rating: B2-U3-G1
Type V Short



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REPORT NUMBER: P856082
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
2.5°	25.2	25.2	24.8	24.5	24.8	25.2	25.2	25.5	24.8	24.8	25.2
5°	33.7	33.7	33.7	33.3	32.7	32.7	32.4	33.3	33.7	34.0	34.0
7.5°	41.8	41.5	42.2	42.5	40.8	40.2	40.2	40.5	41.2	41.8	42.5
10°	47.4	47.1	47.4	48.7	48.4	47.4	47.4	47.4	48.4	50.0	50.3
12.5°	55.9	55.9	56.5	57.5	57.8	56.9	56.2	56.2	57.5	57.8	57.5
15°	65.0	65.0	64.7	64.4	64.7	64.4	64.4	64.7	65.7	65.4	65.4
17.5°	69.9	69.6	69.3	69.6	69.6	69.3	69.6	70.3	69.9	70.9	71.2
20°	75.2	75.2	74.5	74.5	74.5	74.8	75.2	74.8	75.2	75.5	75.8
22.5°	80.1	80.1	79.7	79.4	79.7	80.1	80.4	79.7	79.7	80.4	80.4
25°	85.6	85.6	85.6	84.6	85.0	85.3	85.0	84.6	85.0	85.3	85.6
27.5°	91.8	91.8	91.2	90.2	90.5	90.5	90.8	90.2	90.8	90.8	90.8
30°	97.1	96.4	96.1	95.4	95.4	96.1	96.7	95.7	96.1	96.1	96.4
32.5°	102.0	102.0	101.6	100.3	100.0	102.0	102.6	102.3	101.0	101.3	101.6
35°	120.3	120.3	118.0	115.7	117.6	117.3	119.9	119.9	119.9	120.6	121.9
37.5°	143.1	144.1	147.7	152.9	152.9	145.4	141.5	141.2	146.4	151.0	150.6
40°	163.4	164.4	163.4	164.0	163.4	163.7	164.0	163.4	160.4	159.5	157.5
42.5°	188.6	188.9	182.7	175.5	176.1	179.7	184.0	184.3	178.1	175.2	174.5
45°	206.2	206.9	204.6	203.6	203.6	204.9	204.6	204.6	202.3	201.9	201.3
47.5°	249.3	248.0	243.4	241.8	243.8	242.8	249.0	247.4	244.8	244.8	247.0
50°	330.7	329.4	329.7	328.1	333.3	325.8	333.3	331.4	327.4	329.4	331.0
52.5°	463.7	455.5	456.5	453.2	462.4	455.5	467.9	466.3	453.6	459.1	459.4
55°	655.2	644.7	644.1	622.2	639.2	641.5	657.1	661.1	636.2	636.6	638.2
57.5°	845.0	841.8	852.2	838.5	850.6	845.0	844.7	851.9	837.5	839.5	844.7
60°	970.9	973.5	985.2	988.8	993.1	985.2	969.2	972.5	971.5	988.2	989.5
62.5°	1038.2	1046.0	1037.5	1034.9	1031.3	1034.3	1032.3	1034.3	1028.4	1036.2	1036.5
65°	1035.9	1048.3	1032.9	1023.5	1017.6	1026.7	1029.3	1035.2	1022.8	1017.9	1017.9
67.5°	970.2	985.2	961.1	960.1	945.7	961.1	956.8	961.4	951.6	944.7	938.2
70°	807.1	820.9	791.8	795.4	770.5	795.7	789.2	797.7	789.8	776.4	768.6
72.5°	608.1	620.2	598.7	604.2	587.9	606.8	596.7	611.1	606.2	600.3	593.8
75°	460.1	469.6	470.9	489.5	469.9	479.1	460.8	469.3	477.4	484.3	477.1
77.5°	338.5	345.1	364.7	385.3	366.0	372.5	354.2	362.4	369.9	381.7	376.4
80°	239.2	246.7	264.7	280.0	266.0	271.9	260.1	264.7	270.6	279.1	273.5
82.5°	186.3	183.6	183.0	179.1	174.8	189.5	192.5	195.1	189.5	187.2	184.6
85°	156.2	156.9	160.8	165.7	165.7	166.0	163.1	164.4	166.7	170.9	171.2
87.5°	143.5	145.4	156.5	160.4	158.8	159.5	156.9	157.5	159.1	161.4	160.8
90°	126.5	131.4	141.8	145.7	143.1	144.4	143.1	144.1	142.8	143.5	142.1
92.5°	123.5	123.2	126.5	126.1	124.5	128.4	128.4	129.1	127.4	126.5	125.8
95°	114.4	113.7	113.4	114.4	110.8	113.7	113.1	114.4	113.7	113.7	112.4
97.5°	95.7	95.7	95.1	96.1	93.8	95.1	93.5	94.4	94.1	94.4	93.5
100°	88.2	88.2	87.6	87.6	86.6	86.9	86.3	86.3	85.9	85.6	85.6
102.5°	83.0	83.7	82.7	83.0	81.7	81.7	81.0	81.4	81.0	81.0	80.7
105°	78.1	78.4	77.8	77.8	76.8	76.5	75.8	76.1	76.5	75.8	75.8
107.5°	73.2	73.5	73.2	73.2	72.2	71.6	70.6	70.6	70.9	71.2	71.2
110°	75.2	74.2	73.2	72.5	73.9	71.9	71.2	70.9	71.2	72.2	72.5

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CATALOG NUMBER: FFX-CLB-20-730-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	89.9	*89.2*	89.2	86.3	89.5	87.6	86.3	84.0	85.0	85.6	85.6
115°	104.2	*104.6*	100.6	99.3	97.4	97.1	98.0	95.4	95.1	95.4	94.8
117.5°	117.0	*110.1*	95.4	91.5	90.5	89.9	89.2	88.6	87.9	91.8	87.6
120°	125.2	*113.4*	102.6	100.3	105.9	98.0	92.8	91.8	93.8	100.6	99.7
122.5°	177.4	*167.3*	159.5	145.7	159.5	151.6	153.6	150.0	148.0	144.1	144.8
125°	207.5	*207.2*	203.6	201.0	204.2	201.3	198.0	196.7	194.8	195.7	194.1
127.5°	192.8	*195.7*	191.2	196.4	184.6	187.9	187.2	189.5	187.6	188.2	185.6
130°	152.6	*154.9*	150.6	148.0	142.8	148.7	149.0	152.6	148.7	143.5	142.8
132.5°	133.3	*135.0*	128.4	125.2	121.6	126.8	129.1	131.0	128.4	122.9	121.6
135°	113.4	*114.0*	109.5	110.1	107.8	107.8	107.5	108.5	109.8	108.8	108.2
137.5°	97.4	*99.0*	97.4	99.3	97.4	95.7	93.1	94.1	97.1	99.3	99.0
140°	84.3	*85.9*	86.3	88.2	84.3	85.0	83.3	84.0	85.6	87.9	88.9
142.5°	74.8	*76.1*	73.2	71.6	70.3	74.2	77.1	77.4	75.5	72.9	73.9
145°	72.9	*71.6*	72.9	71.6	72.9	72.2	72.5	72.2	72.2	72.2	72.2
147.5°	73.9	*75.2*	75.2	75.2	73.2	73.5	73.9	74.2	74.2	75.5	75.2
150°	61.4	*63.1*	62.7	64.4	61.4	62.1	62.4	63.1	63.4	63.7	64.0
152.5°	52.0	*52.3*	53.3	53.9	53.6	53.3	52.9	52.9	53.6	54.2	54.6
155°	50.7	*50.7*	51.6	52.6	51.6	51.6	51.3	51.3	51.6	52.6	52.6
157.5°	48.7	*49.0*	49.0	49.7	49.0	49.3	49.0	49.0	49.3	49.7	50.0
160°	47.7	*48.0*	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.4	48.4
162.5°	47.7	*47.7*	47.7	47.4	47.4	47.7	47.7	47.7	47.7	47.4	47.7
165°	48.7	*48.4*	48.0	47.7	48.0	48.7	49.0	49.0	48.7	48.0	48.4
167.5°	50.7	*50.7*	50.3	50.0	50.3	50.7	51.0	51.0	50.7	50.3	50.3
170°	52.6	*52.3*	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
172.5°	53.9	*53.9*	54.2	53.9	54.2	54.2	53.9	53.9	53.9	53.9	54.2
175°	55.9	*55.9*	55.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2
177.5°	57.2	*57.2*	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
180°	57.5	*57.5*	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5

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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.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.03

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

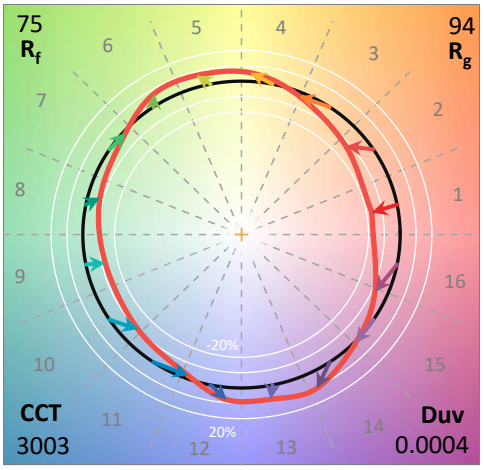
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2406-133-4
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

Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: SP1-2406-133-4

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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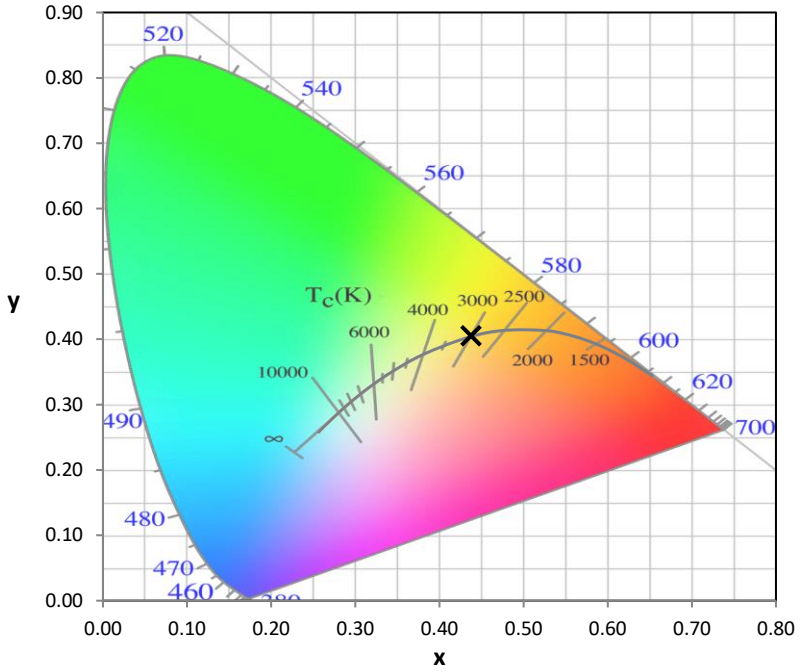
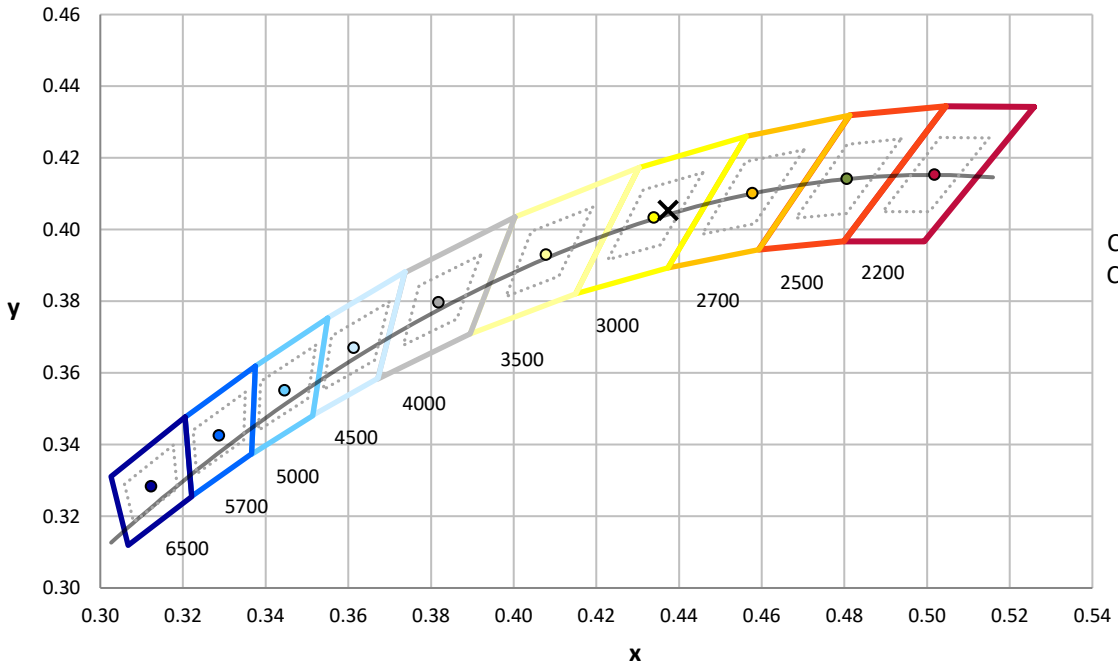
REPORT NUMBER: SP1-2406-133-4

CIE 1931 Chromaticity Diagram



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



CCT = 3003K
CIE x = 0.4373
CIE y = 0.4053
Duv = 0.0004

Point lies inside the ANSI 3000K 4-step quadrangle

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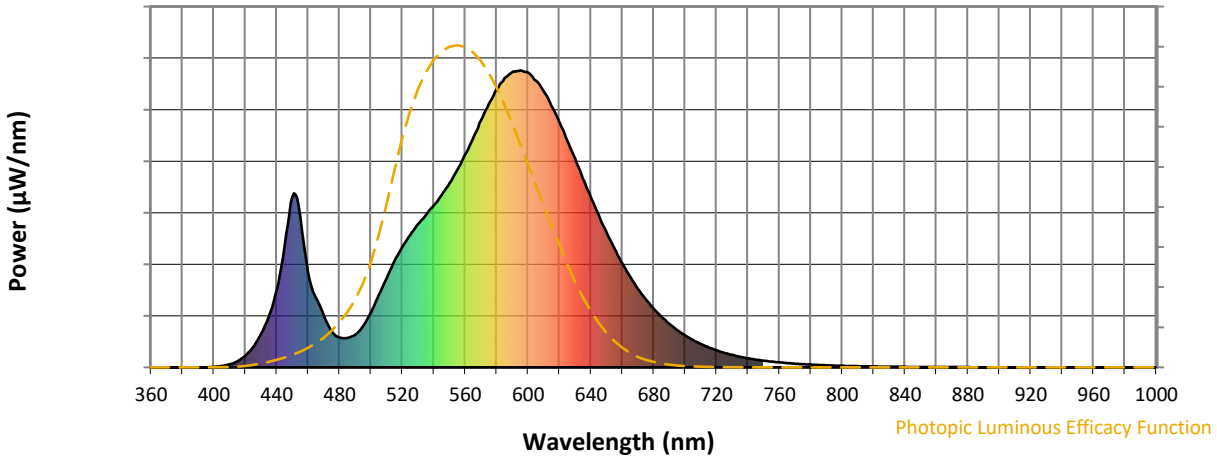
REPORT NUMBER: SP1-2406-133-4

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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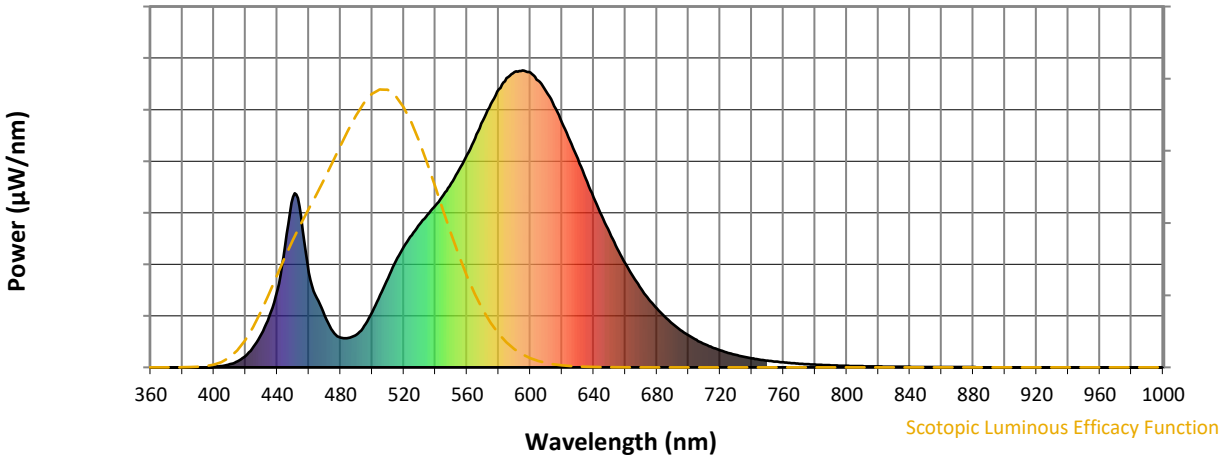
Scotopic Flux vs. Wavelength



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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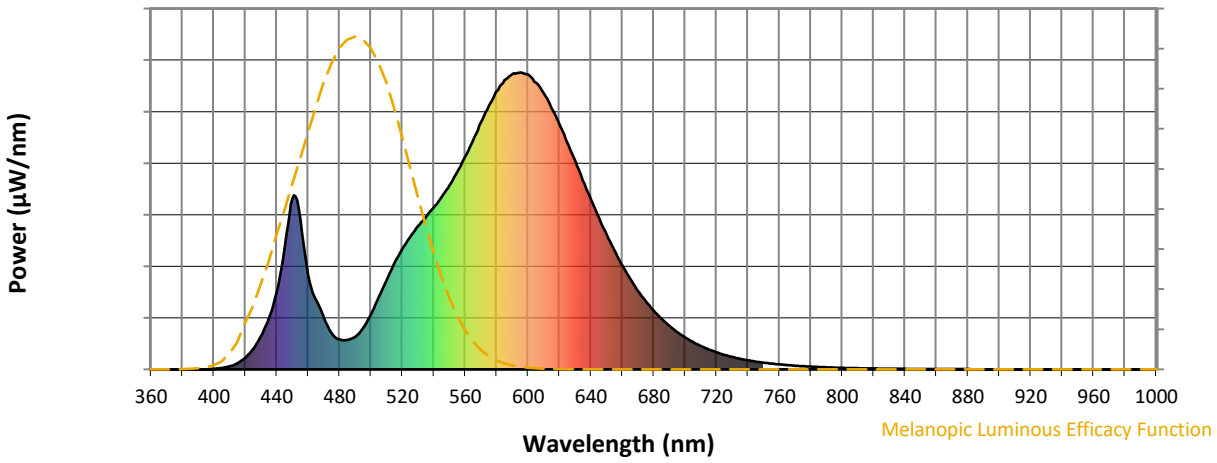
Melanopic Flux vs. Wavelength



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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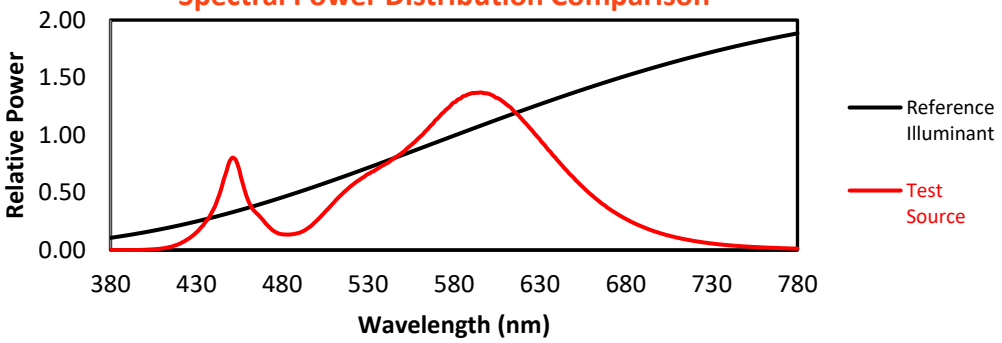
TM-30-18

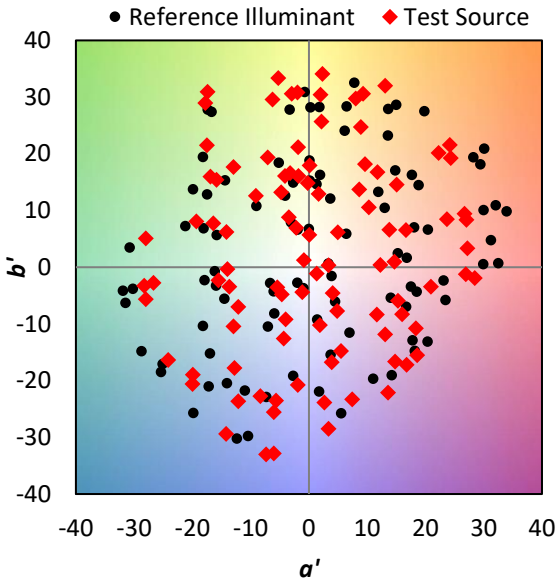
Summary

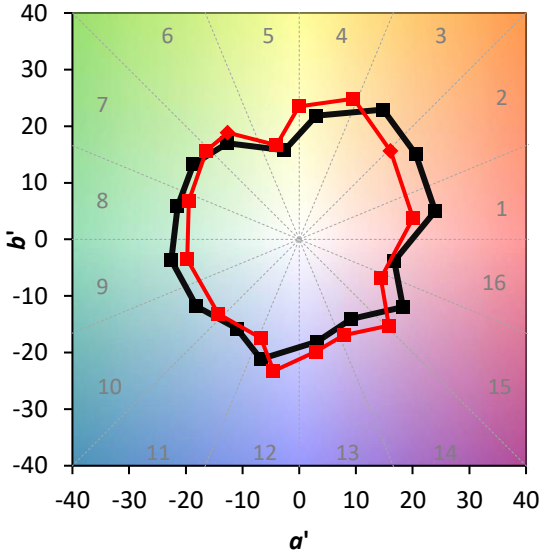
R_f = 75.2
R_g = 93.8
CIE R_a = 71.9
R_9 = -33.7

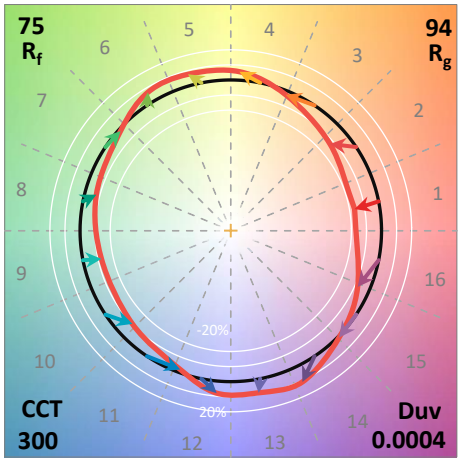
Spectral Power Distribution Comparison

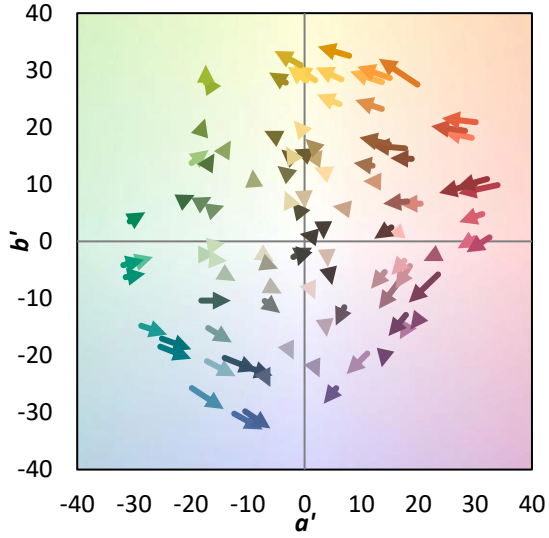


Color Vector Graphics









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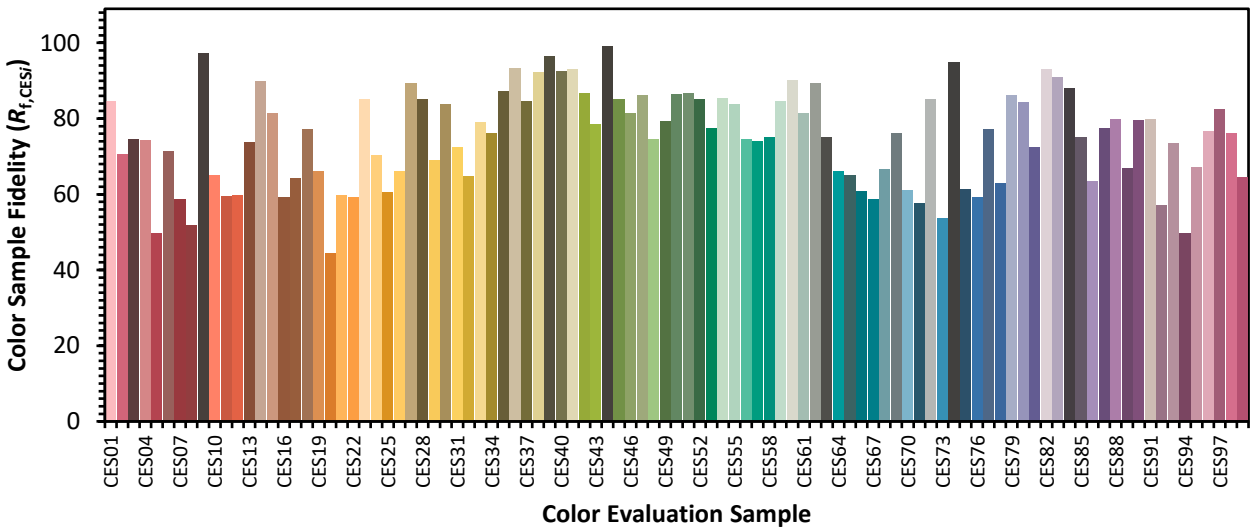
Individual Sample Fidelity Index ($R_{f,i}$)

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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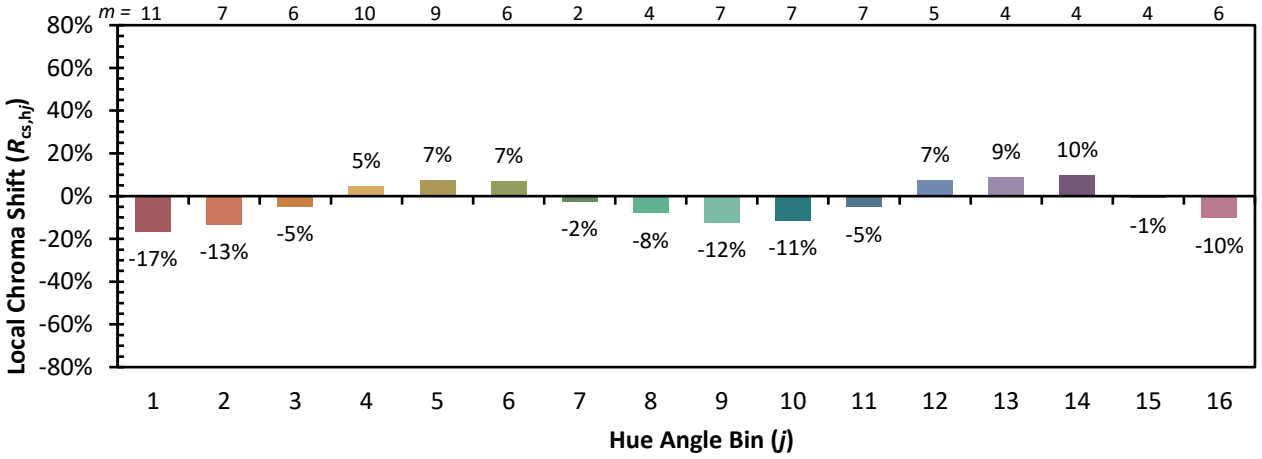
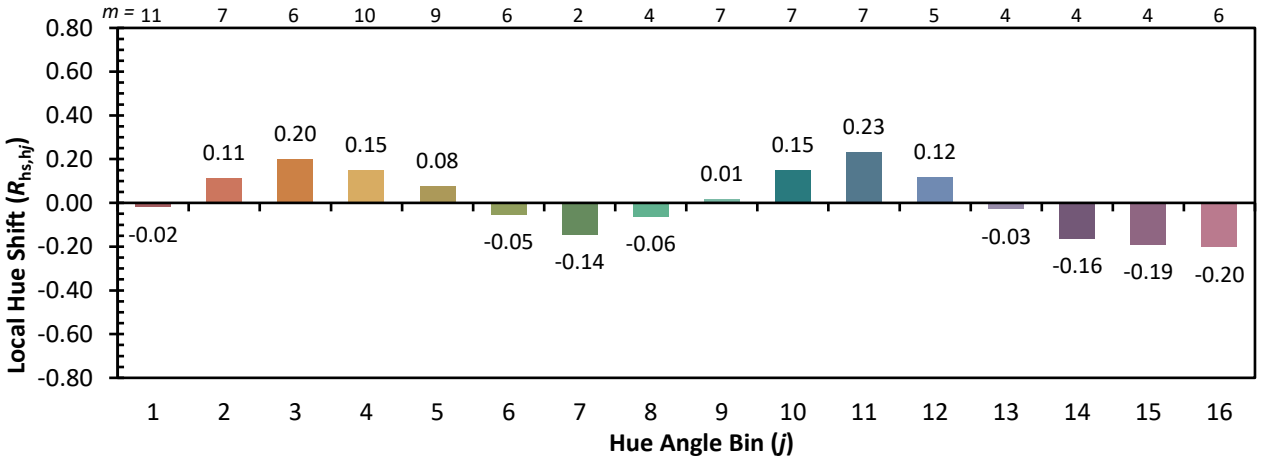
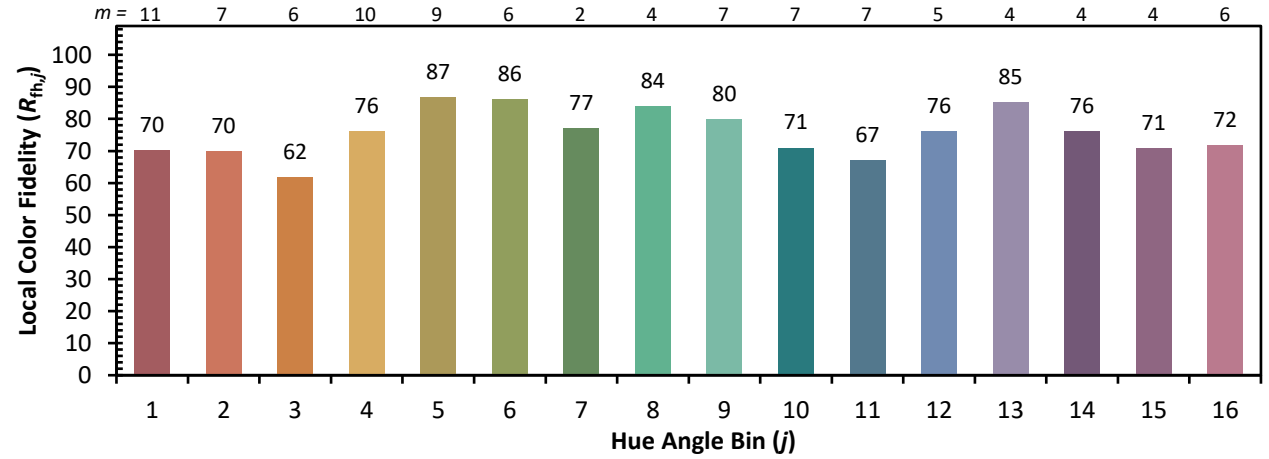
Color Rendition by Hue-Angle Bin







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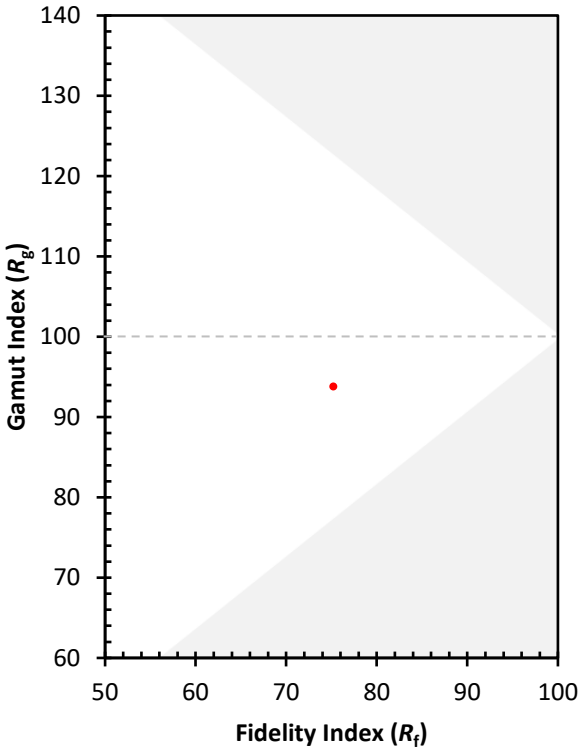
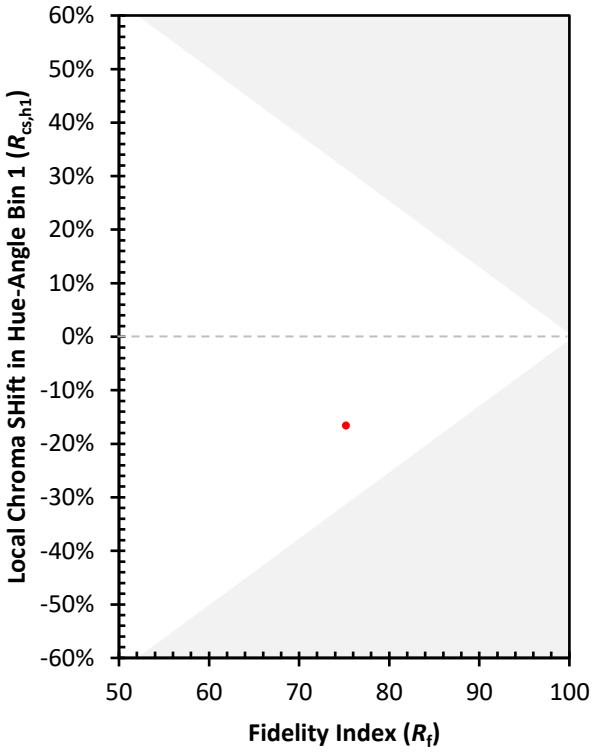
Measure Comparisons





(END OF REPORT)