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: P856091

Luminaire Tested: **FFX-CLB-20-740-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:	P856091
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-740-U-FR-T5
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3312 lumens
Efficiency:	N/A
Efficacy:	169.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type V - Short
BUG Rating:	B2 - U4 - G2

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: P856091
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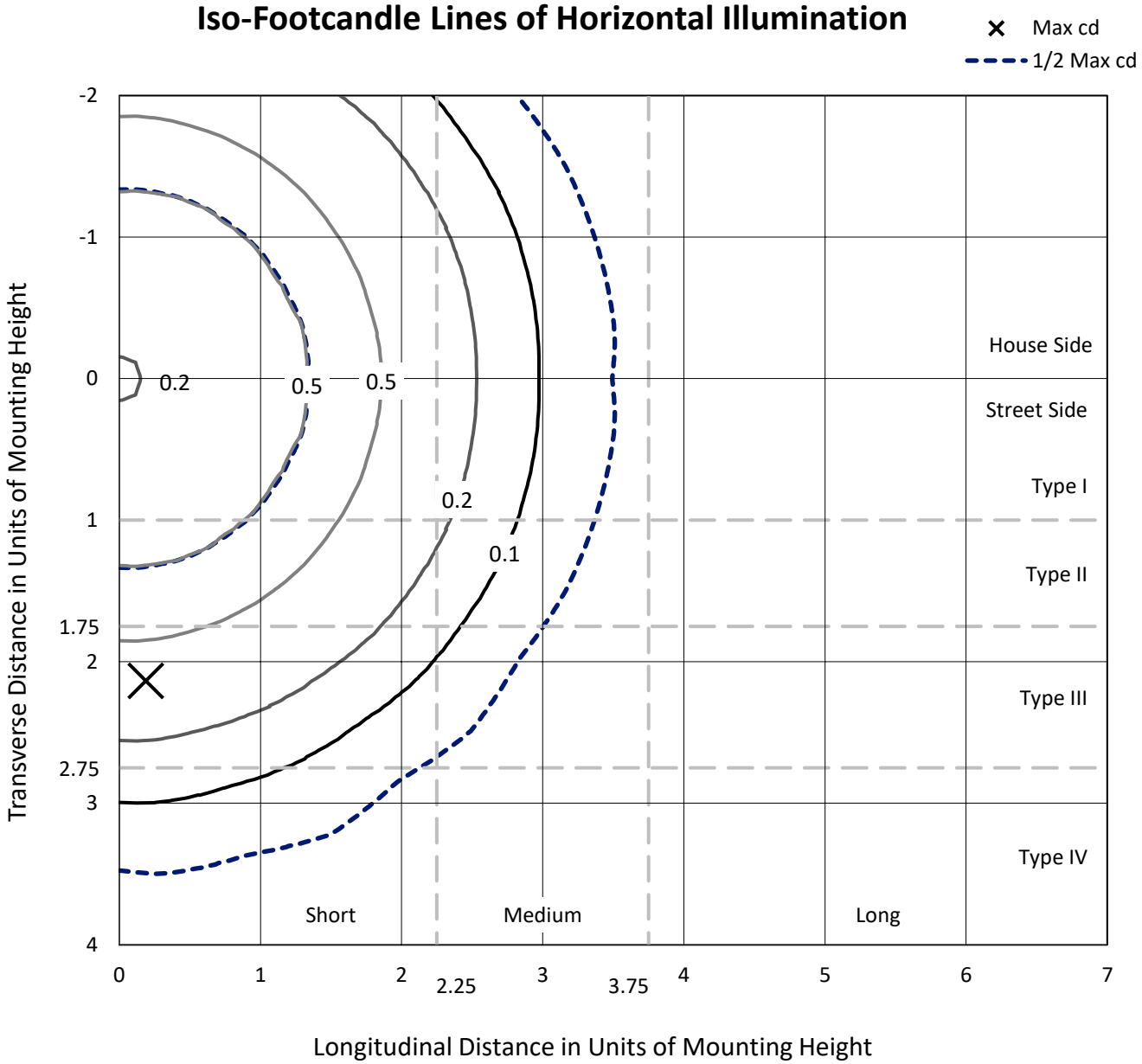
Iso-Footcandle Lines of Horizontal Illumination



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

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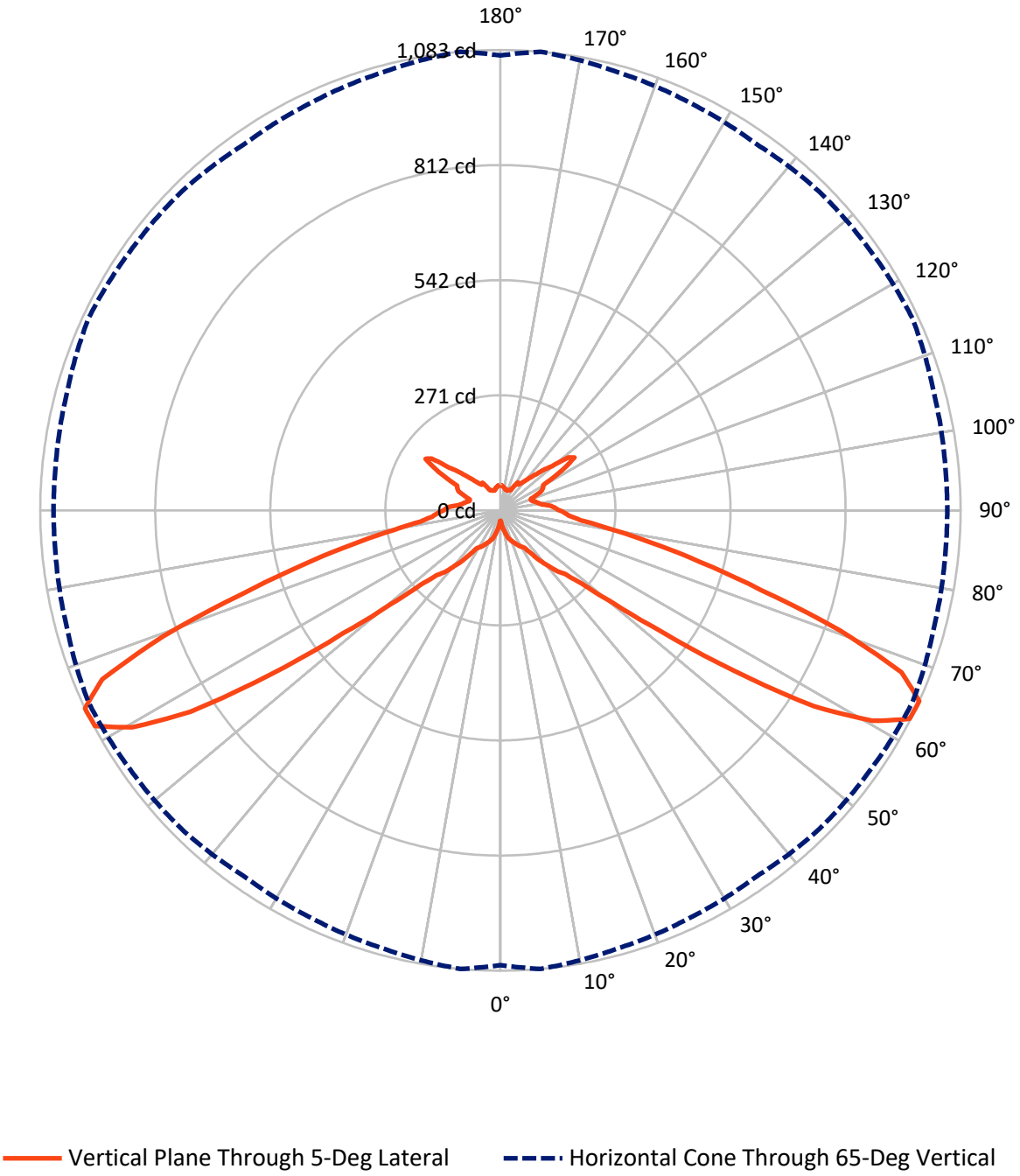
Luminous Intensity Polar Plot



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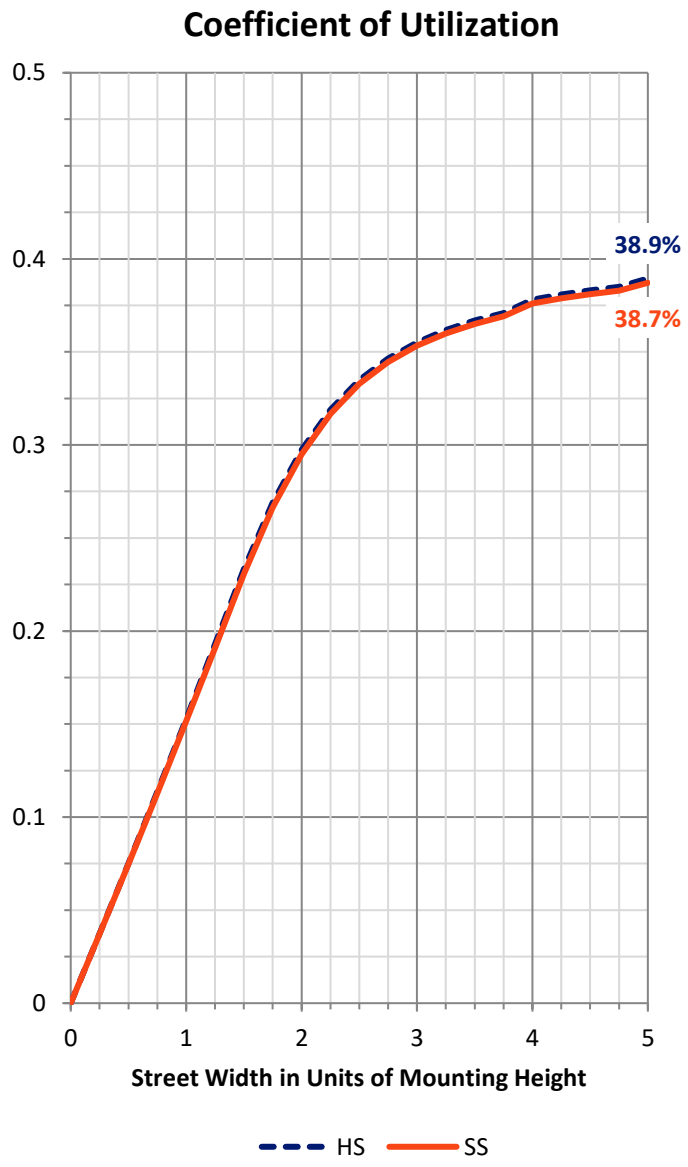
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1334.6	321.4	1656.0
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	1334.6	321.4	1656.0
	% Fixture	40.3	9.7	50.0
Total	Lumens	2669.2	642.8	3312.0
	% Fixture	80.6	19.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	18.9	0.6
20°-30°	41.1	1.2
30°-40°	81.6	2.5
40°-50°	176.9	5.3
50°-60°	609.1	18.4
60°-70°	1000.4	30.2
70°-80°	536.9	16.2
80°-90°	200.5	6.1
90°-100°	126.6	3.8
100°-110°	84.8	2.6
110°-120°	93.2	2.8
120°-130°	154.3	4.7
130°-140°	90.8	2.7
140°-150°	48.1	1.5
150°-160°	25.2	0.8
160°-170°	14.3	0.4
170°-180°	5.4	0.2
0°-90°	2669.2	80.6
0°-180°	3312.0	100.0



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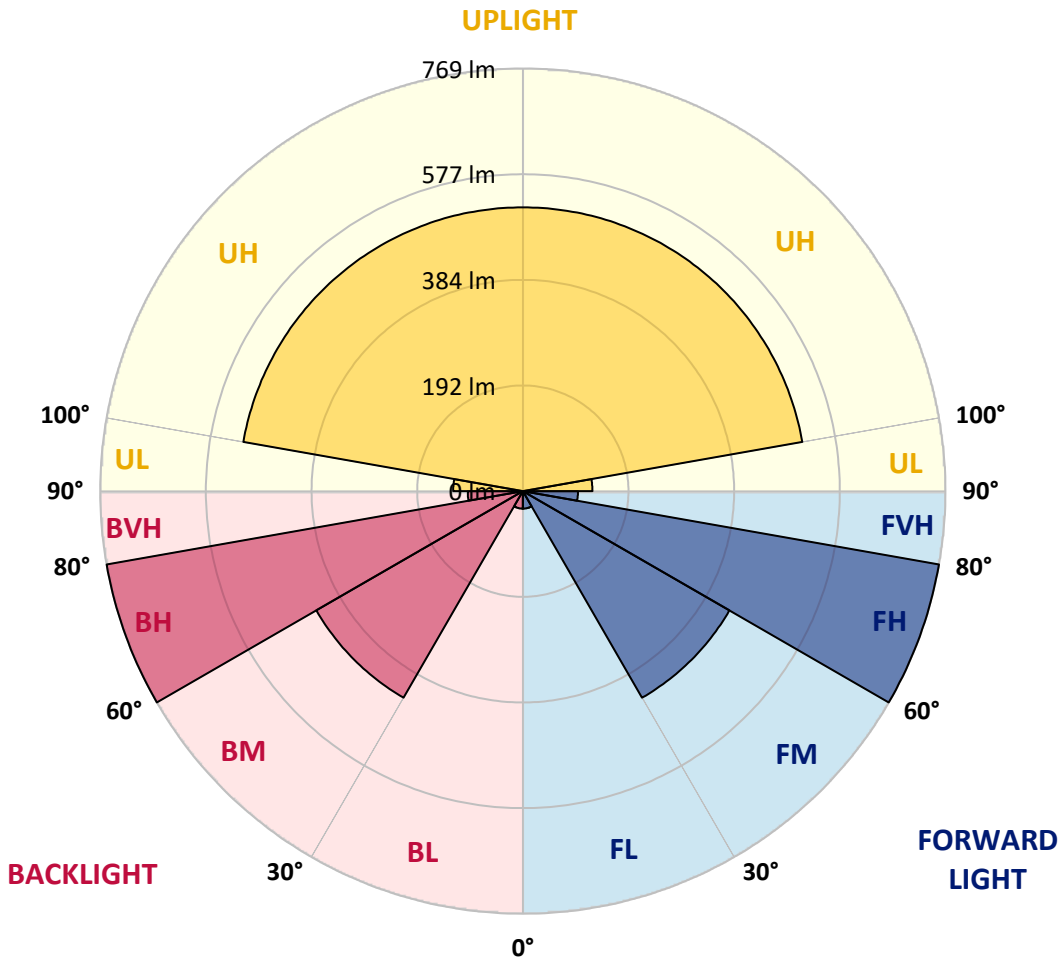
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	31.9	1.0			
FM	(30°-60°)	433.8	13.1			
FH	(60°-80°)	768.7	23.2			G1/1800
FVH	(80°-90°)	100.3	3.0			G2/225
BL	(0°-30°)	31.9	1.0	B0/110		
BM	(30°-60°)	433.8	13.1	B1/1000		
BH	(60°-80°)	768.7	23.2	B2/1000		G1/1800
BVH	(80°-90°)	100.3	3.0			G2/225
UL	(90°-100°)	126.6	3.8		U3/500	
UH	(100°-180°)	516.2	15.6		U4/1000	

BUG Rating: B2-U4-G2
Type V Short



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REPORT NUMBER: P856091
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
2.5°	26.0	26.0	25.7	25.3	25.7	26.0	26.0	26.3	25.7	25.7	26.0
5°	34.8	34.8	34.8	34.4	33.8	33.8	33.4	34.4	34.8	35.1	35.1
7.5°	43.2	42.9	43.5	43.9	42.2	41.5	41.5	41.9	42.5	43.2	43.9
10°	48.9	48.6	48.9	50.3	50.0	48.9	48.9	48.9	50.0	51.6	52.0
12.5°	57.7	57.7	58.4	59.4	59.8	58.7	58.1	58.1	59.4	59.8	59.4
15°	67.2	67.2	66.8	66.5	66.8	66.5	66.5	66.8	67.9	67.5	67.5
17.5°	72.2	71.9	71.6	71.9	71.9	71.6	71.9	72.6	72.2	73.3	73.6
20°	77.6	77.6	77.0	77.0	77.0	77.3	77.6	77.3	77.6	78.0	78.3
22.5°	82.7	82.7	82.4	82.0	82.4	82.7	83.0	82.4	82.4	83.0	83.0
25°	88.4	88.4	88.4	87.4	87.8	88.1	87.8	87.4	87.8	88.1	88.4
27.5°	94.9	94.9	94.2	93.2	93.5	93.5	93.8	93.2	93.8	93.8	93.8
30°	100.3	99.6	99.2	98.6	98.6	99.2	99.9	98.9	99.2	99.2	99.6
32.5°	105.3	105.3	105.0	103.6	103.3	105.3	106.0	105.7	104.3	104.6	105.0
35°	124.2	124.2	121.9	119.5	121.5	121.2	123.9	123.9	123.9	124.6	125.9
37.5°	147.9	148.9	152.6	158.0	158.0	150.2	146.2	145.8	151.2	156.0	155.6
40°	168.8	169.8	168.8	169.5	168.8	169.1	169.5	168.8	165.8	164.7	162.7
42.5°	194.8	195.1	188.7	181.3	182.0	185.7	190.1	190.4	184.0	180.9	180.3
45°	213.0	213.7	211.3	210.3	210.3	211.7	211.3	211.3	209.0	208.6	207.9
47.5°	257.6	256.2	251.5	249.8	251.8	250.8	257.2	255.5	252.8	252.8	255.2
50°	341.6	340.3	340.6	338.9	344.3	336.6	344.3	342.3	338.3	340.3	342.0
52.5°	479.0	470.6	471.6	468.2	477.7	470.6	483.4	481.7	468.6	474.3	474.6
55°	676.8	666.0	665.4	642.8	660.3	662.7	678.9	682.9	657.3	657.6	659.3
57.5°	873.0	869.6	880.4	866.2	878.7	873.0	872.6	880.1	865.2	867.2	872.6
60°	1003.0	1005.7	1017.8	1021.5	1025.9	1017.8	1001.3	1004.6	1003.6	1020.8	1022.2
62.5°	1072.5	1080.6	1071.8	1069.1	1065.4	1068.4	1066.4	1068.4	1062.4	1070.5	1070.8
65°	1070.1	1083.0	1067.1	1057.3	1051.2	1060.7	1063.4	1069.5	1056.6	1051.6	1051.6
67.5°	1002.3	1017.8	992.8	991.8	977.0	992.8	988.4	993.2	983.0	975.9	969.2
70°	833.8	848.0	818.0	821.7	796.0	822.0	815.3	824.0	815.9	802.1	794.0
72.5°	628.2	640.7	618.4	624.2	607.3	626.9	616.4	631.3	626.2	620.1	613.4
75°	475.3	485.1	486.5	505.7	485.4	494.9	476.0	484.8	493.2	500.3	492.9
77.5°	349.7	356.5	376.7	398.0	378.1	384.8	365.9	374.4	382.1	394.3	388.9
80°	247.1	254.9	273.4	289.3	274.8	280.9	268.7	273.4	279.5	288.3	282.6
82.5°	192.4	189.7	189.0	185.0	180.6	195.8	198.8	201.5	195.8	193.4	190.7
85°	161.4	162.0	166.1	171.2	171.2	171.5	168.5	169.8	172.2	176.6	176.9
87.5°	148.2	150.2	161.7	165.8	164.1	164.7	162.0	162.7	164.4	166.8	166.1
90°	130.6	135.7	146.5	150.6	147.9	149.2	147.9	148.9	147.5	148.2	146.8
92.5°	127.6	127.3	130.6	130.3	128.6	132.7	132.7	133.3	131.7	130.6	130.0
95°	118.2	117.5	117.1	118.2	114.4	117.5	116.8	118.2	117.5	117.5	116.1
97.5°	98.9	98.9	98.2	99.2	96.9	98.2	96.5	97.6	97.2	97.6	96.5
100°	91.1	91.1	90.5	90.5	89.5	89.8	89.1	89.1	88.8	88.4	88.4
102.5°	85.7	86.4	85.4	85.7	84.4	84.4	83.7	84.1	83.7	83.7	83.4
105°	80.7	81.0	80.3	80.3	79.3	79.0	78.3	78.7	79.0	78.3	78.3
107.5°	75.6	76.0	75.6	75.6	74.6	73.9	72.9	72.9	73.3	73.6	73.6
110°	77.6	76.6	75.6	74.9	76.3	74.3	73.6	73.3	73.6	74.6	74.9

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CATALOG NUMBER: FFX-CLB-20-740-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	92.8	*92.2*	92.2	89.1	92.5	90.5	89.1	86.8	87.8	88.4	88.4
115°	107.7	*108.0*	104.0	102.6	100.6	100.3	101.3	98.6	98.2	98.6	97.9
117.5°	120.9	*113.8*	98.6	94.5	93.5	92.8	92.2	91.5	90.8	94.9	90.5
120°	129.3	*117.1*	106.0	103.6	109.4	101.3	95.9	94.9	96.9	104.0	103.0
122.5°	183.3	*172.8*	164.7	150.6	164.7	156.6	158.7	154.9	152.9	148.9	149.5
125°	214.4	*214.0*	210.3	207.6	211.0	207.9	204.6	203.2	201.2	202.2	200.5
127.5°	199.2	*202.2*	197.5	202.9	190.7	194.1	193.4	195.8	193.8	194.4	191.7
130°	157.6	*160.0*	155.6	152.9	147.5	153.6	153.9	157.6	153.6	148.2	147.5
132.5°	137.7	*139.4*	132.7	129.3	125.6	131.0	133.3	135.4	132.7	126.9	125.6
135°	117.1	*117.8*	113.1	113.8	111.4	111.4	111.1	112.1	113.4	112.4	111.7
137.5°	100.6	*102.3*	100.6	102.6	100.6	98.9	96.2	97.2	100.3	102.6	102.3
140°	87.1	*88.8*	89.1	91.1	87.1	87.8	86.1	86.8	88.4	90.8	91.8
142.5°	77.3	*78.7*	75.6	73.9	72.6	76.6	79.7	80.0	78.0	75.3	76.3
145°	75.3	*73.9*	75.3	73.9	75.3	74.6	74.9	74.6	74.6	74.6	74.6
147.5°	76.3	*77.6*	77.6	77.6	75.6	76.0	76.3	76.6	76.6	78.0	77.6
150°	63.5	*65.2*	64.8	66.5	63.5	64.1	64.5	65.2	65.5	65.8	66.2
152.5°	53.7	*54.0*	55.0	55.7	55.4	55.0	54.7	54.7	55.4	56.0	56.4
155°	52.3	*52.3*	53.3	54.4	53.3	53.3	53.0	53.0	53.3	54.4	54.4
157.5°	50.3	*50.6*	50.6	51.3	50.6	51.0	50.6	50.6	51.0	51.3	51.6
160°	49.3	*49.6*	49.6	49.6	49.6	49.6	49.6	49.6	49.6	50.0	50.0
162.5°	49.3	*49.3*	49.3	48.9	48.9	49.3	49.3	49.3	49.3	48.9	49.3
165°	50.3	*50.0*	49.6	49.3	49.6	50.3	50.6	50.6	50.3	49.6	50.0
167.5°	52.3	*52.3*	52.0	51.6	52.0	52.3	52.7	52.7	52.3	52.0	52.0
170°	54.4	*54.0*	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
172.5°	55.7	*55.7*	56.0	55.7	56.0	56.0	55.7	55.7	55.7	55.7	56.0
175°	57.7	*57.7*	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1
177.5°	59.1	*59.1*	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
180°	59.4	*59.4*	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4

Cooper Lighting Solutions Photometric Lab
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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: SP1-2406-133-1

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.03

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

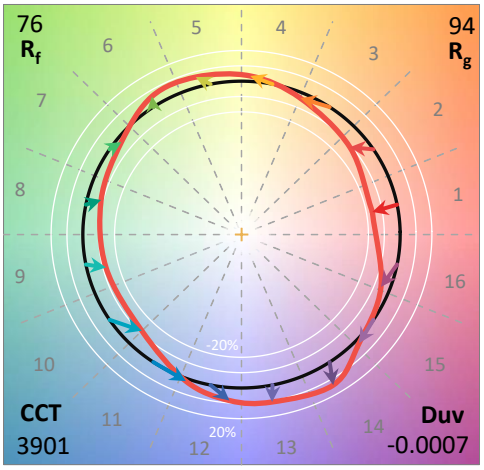
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2406-133-1
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-100-740-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3901
CIE u':	0.2273
CIE v':	0.5026
Duv:	-0.0007
CIE x:	0.3844
CIE y:	0.3776
CIE z:	0.2380
Peak Wavelength (nm):	451
Dominant Wavelength (nm):	579
Purity:	28.6799
Rf:	76.2
Rg:	94.4

CRI (Ra):	74.5				
R1:	71.8	R9:	-23.4
R2:	81.9	R10:	56.6
R3:	89.3	R11:	68.4
R4:	72.6	R12:	46.6
R5:	71.3	R13:	73.7
R6:	74.0	R14:	93.9
R7:	81.5	R15:	65.1
R8:	53.3		



Test Conditions

Stabilization Time:	0.818109M
Operation Time:	1H
Sphere Temperature (°C):	24.6

Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: SP1-2406-133-1

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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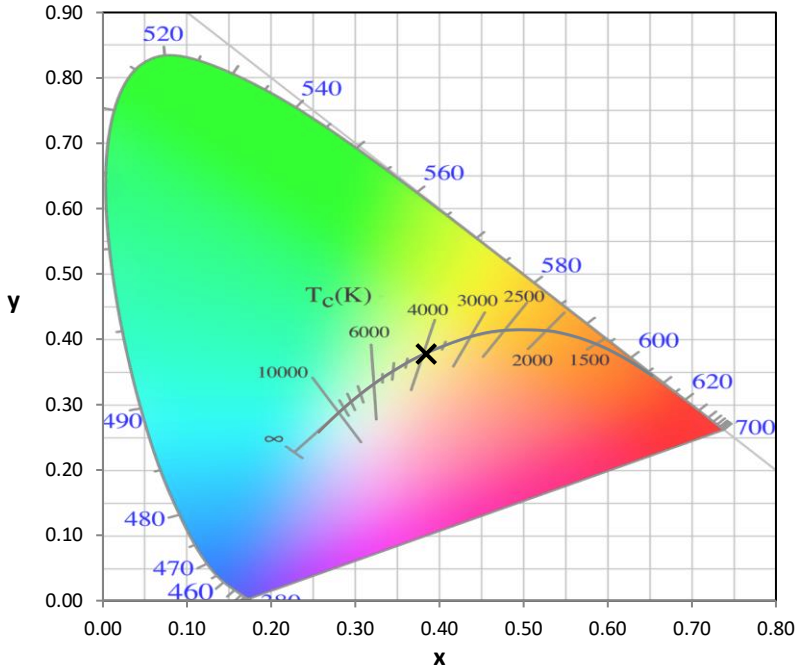
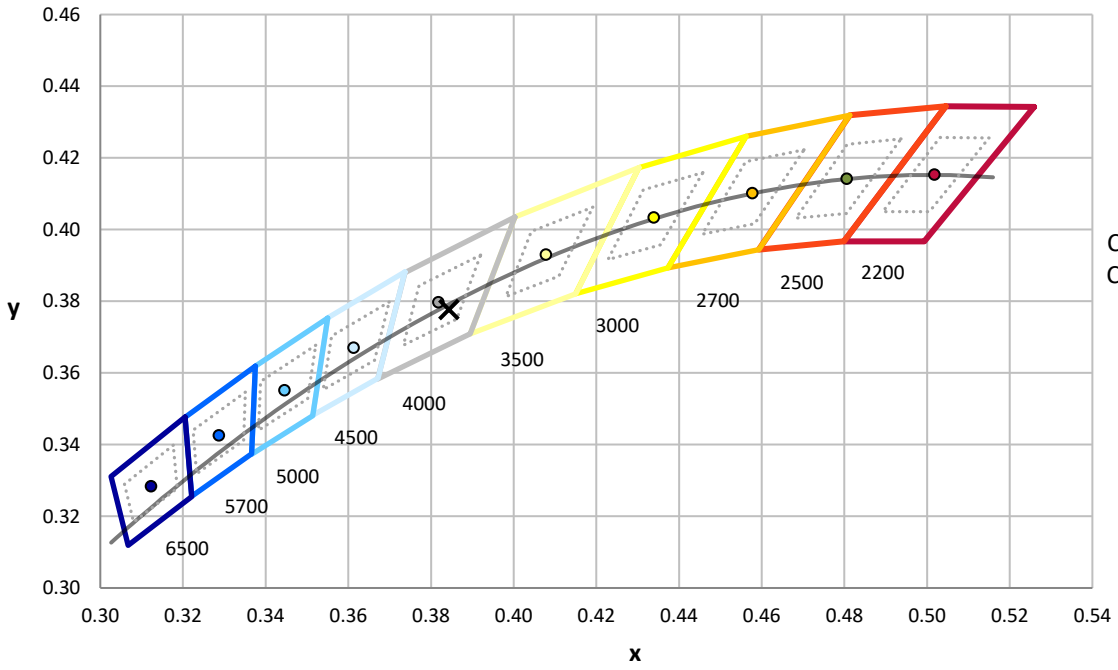
REPORT NUMBER: SP1-2406-133-1

CIE 1931 Chromaticity Diagram



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



CCT = 3901K
CIE x = 0.3844
CIE y = 0.3776
Duv = -0.0007

Point lies inside the ANSI 4000K 4-step quadrangle

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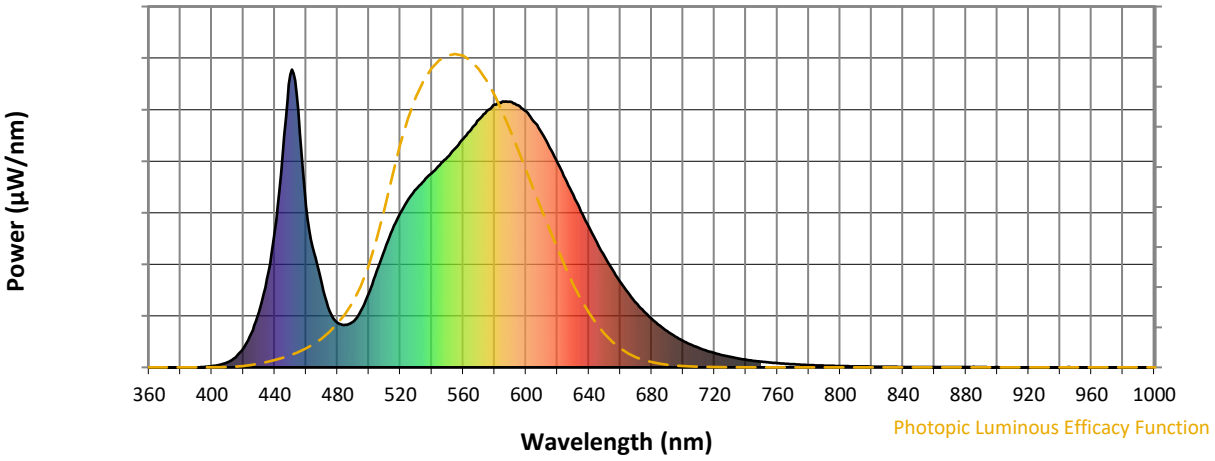
REPORT NUMBER: SP1-2406-133-1

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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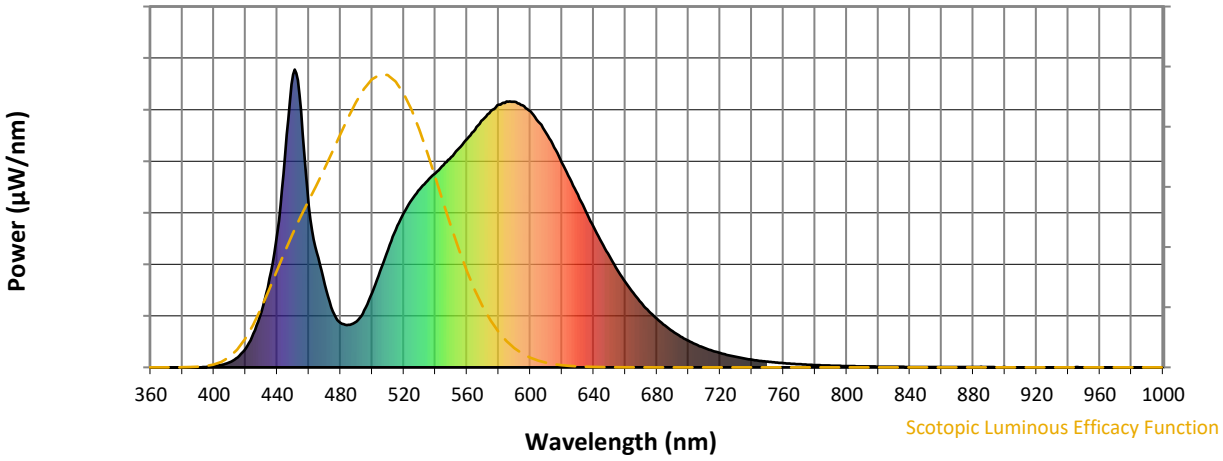
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.53**

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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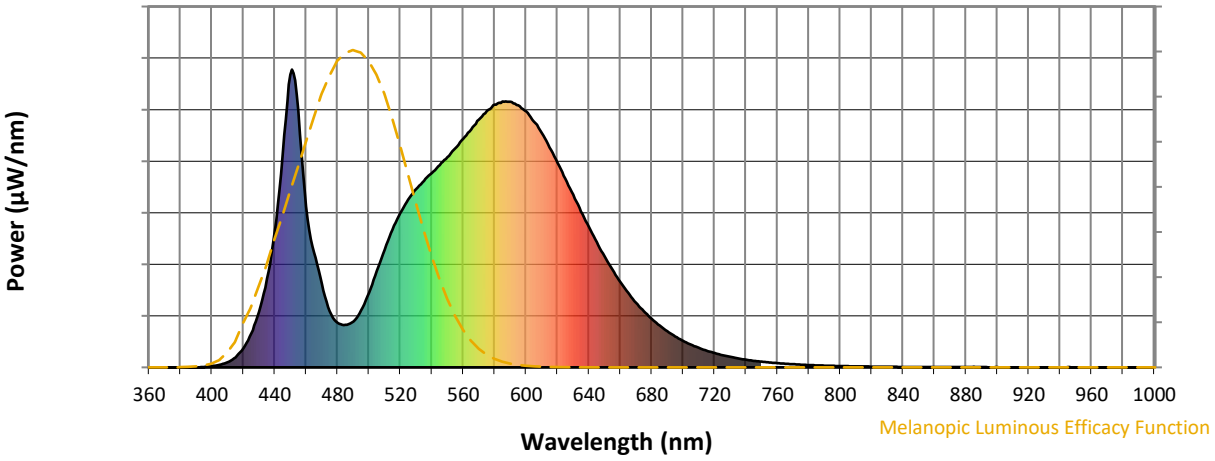
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.04**

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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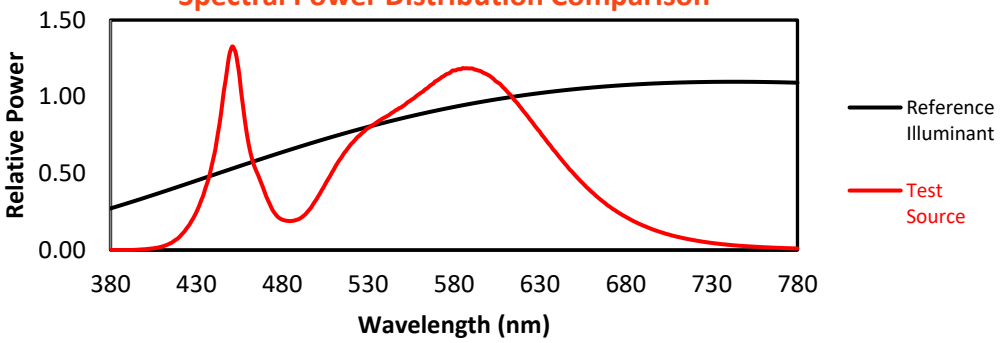
TM-30-18

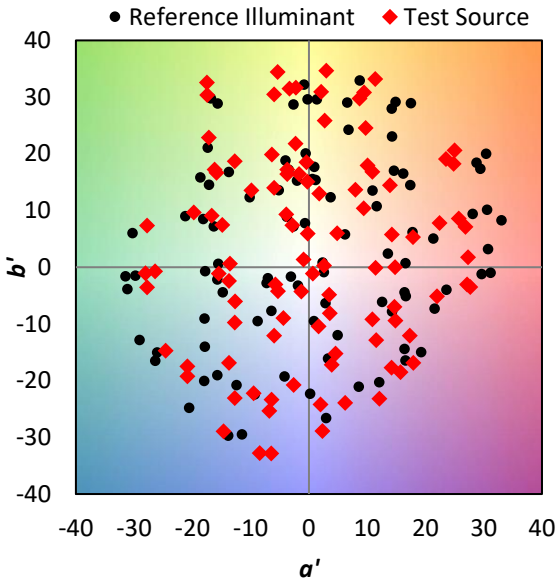
Summary

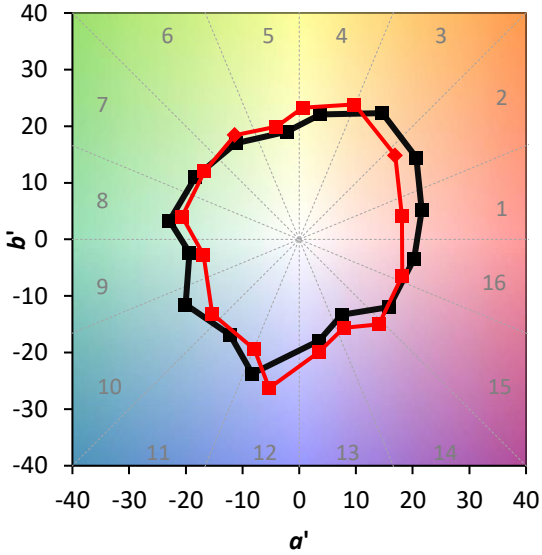
R_f = 76.2
R_g = 94.4
CIE R_a = 74.5
R_9 = -23.4

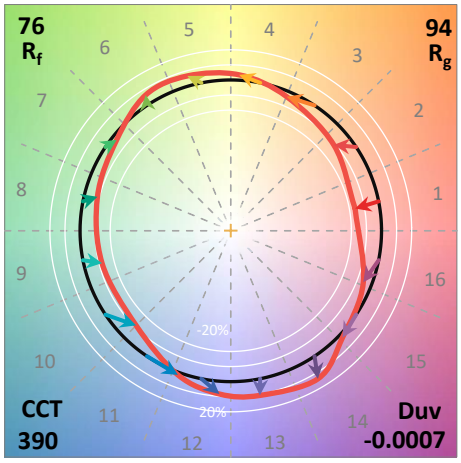
Spectral Power Distribution Comparison

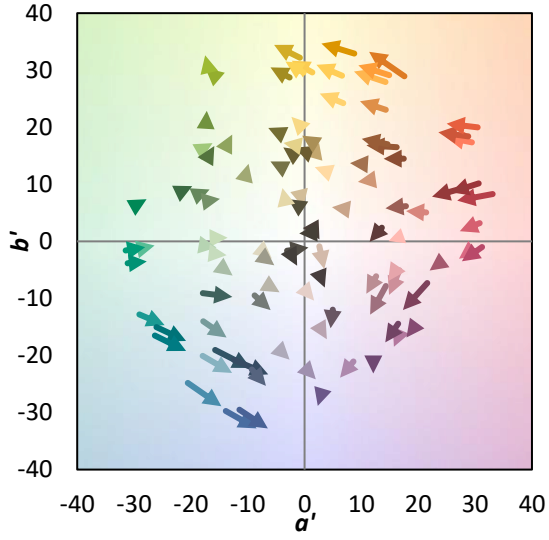


Color Vector Graphics









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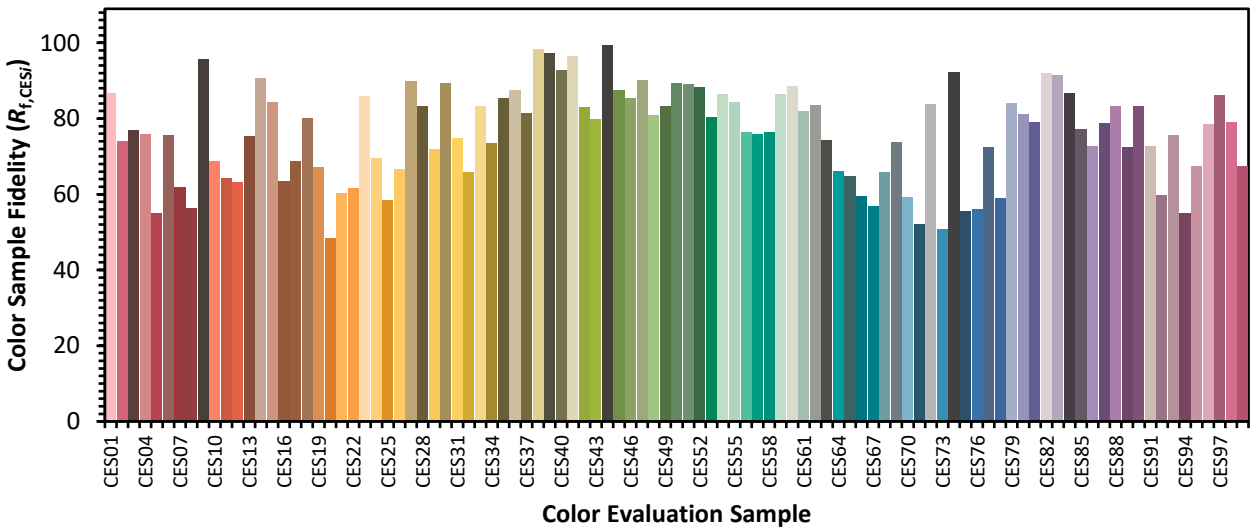
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 73
CES12 = 63	CES37 = 81	CES62 = 84	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 74	CES88 = 83
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 59	CES91 = 73
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 60
CES18 = 56	CES43 = 80	CES68 = 66	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 55
CES20 = 65	CES45 = 87	CES70 = 59	CES95 = 67
CES21 = 86	CES46 = 85	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 90	CES72 = 84	CES97 = 86
CES23 = 92	CES48 = 81	CES73 = 51	CES98 = 79
CES24 = 91	CES49 = 83	CES74 = 92	CES99 = 68
CES25 = 72	CES50 = 89	CES75 = 56	



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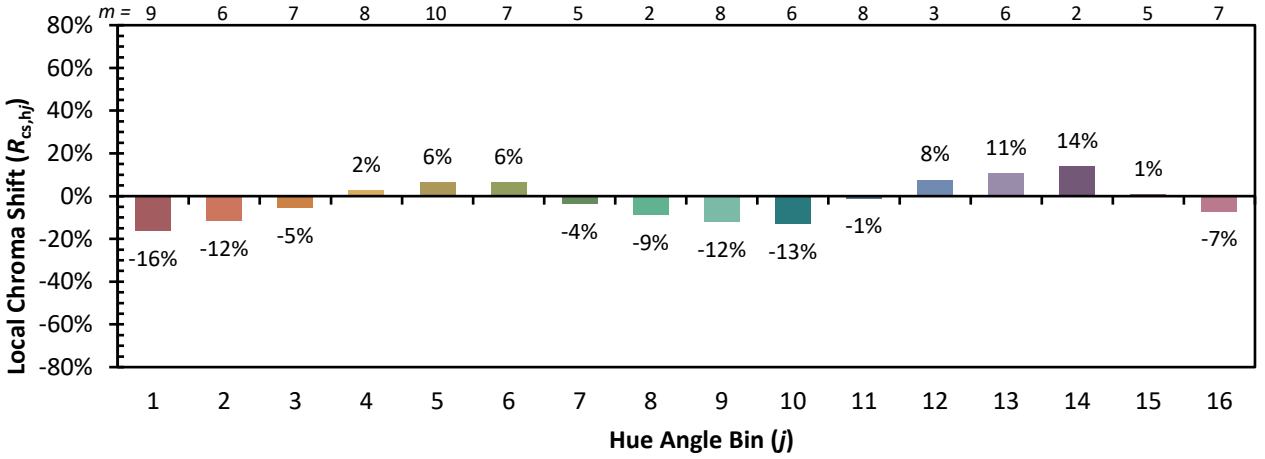
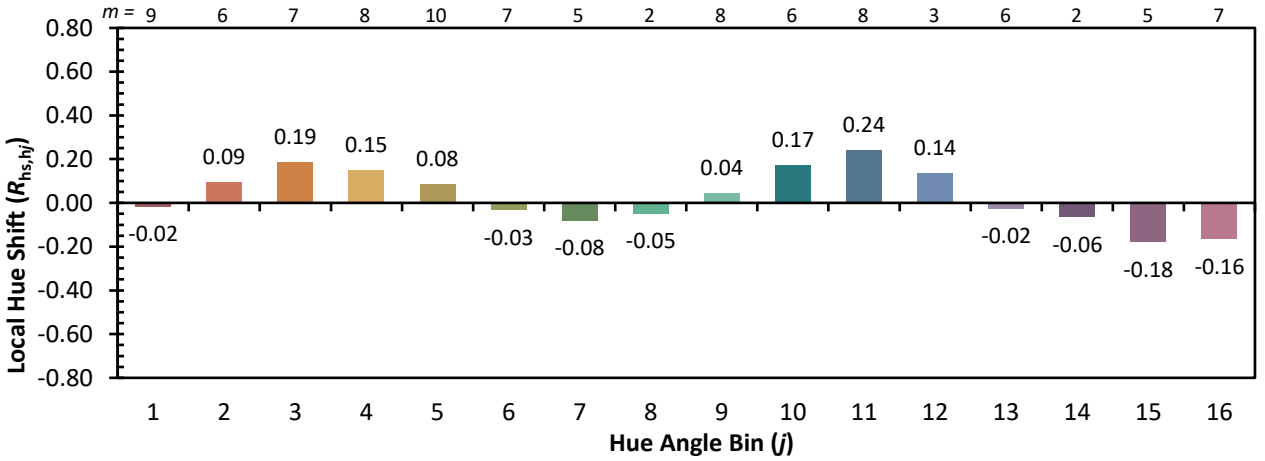
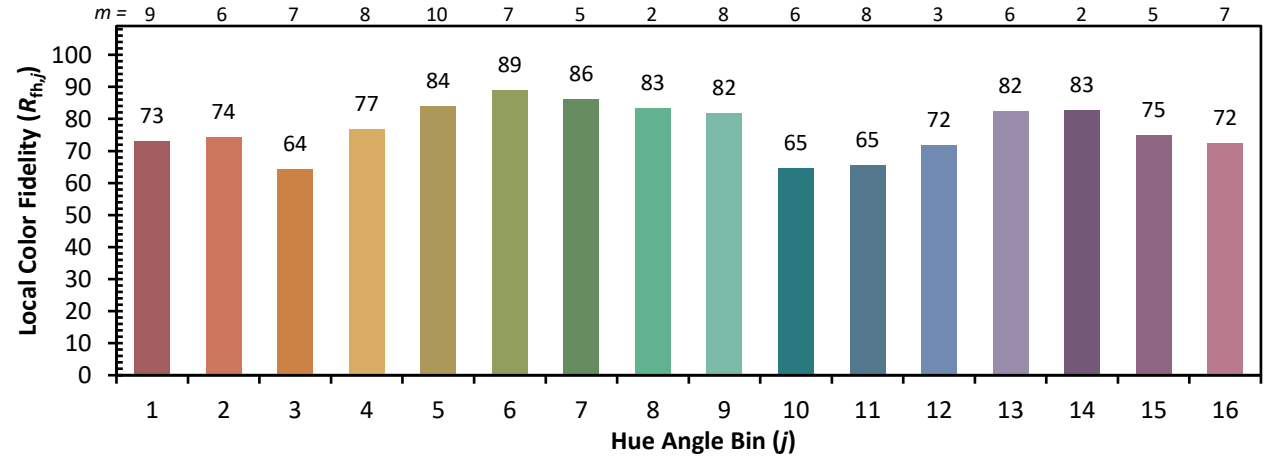
Color Rendition by Hue-Angle Bin







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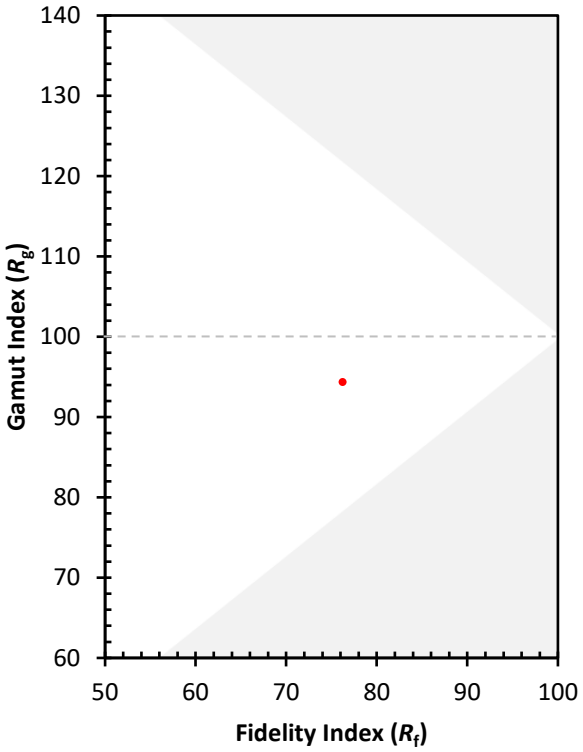
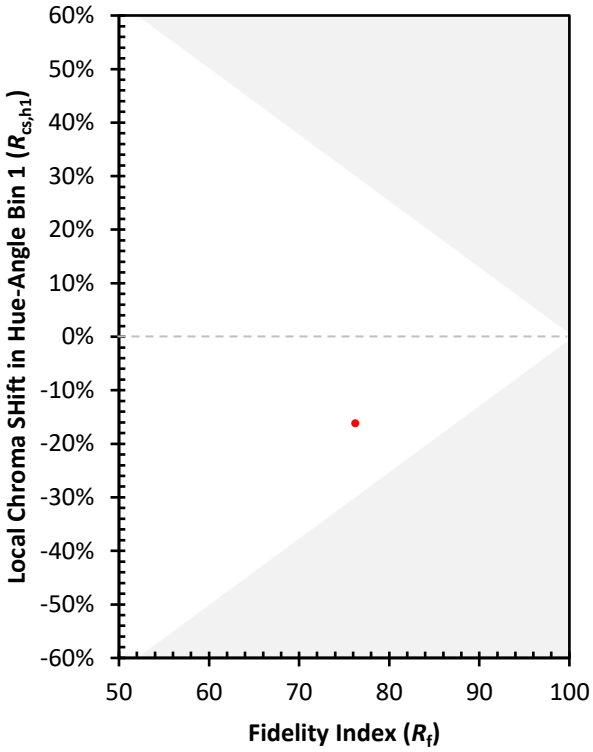
Measure Comparisons





(END OF REPORT)