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: P856387

Luminaire Tested: **FFX-CLB-30-727-U-VM9**

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:	P856387
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-727-U-VM9
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4570.5 lumens
Efficiency:	N/A
Efficacy:	149.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type V - Short
BUG Rating:	B2 - U5 - G3

Input Watts (W):	30.5
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.6%%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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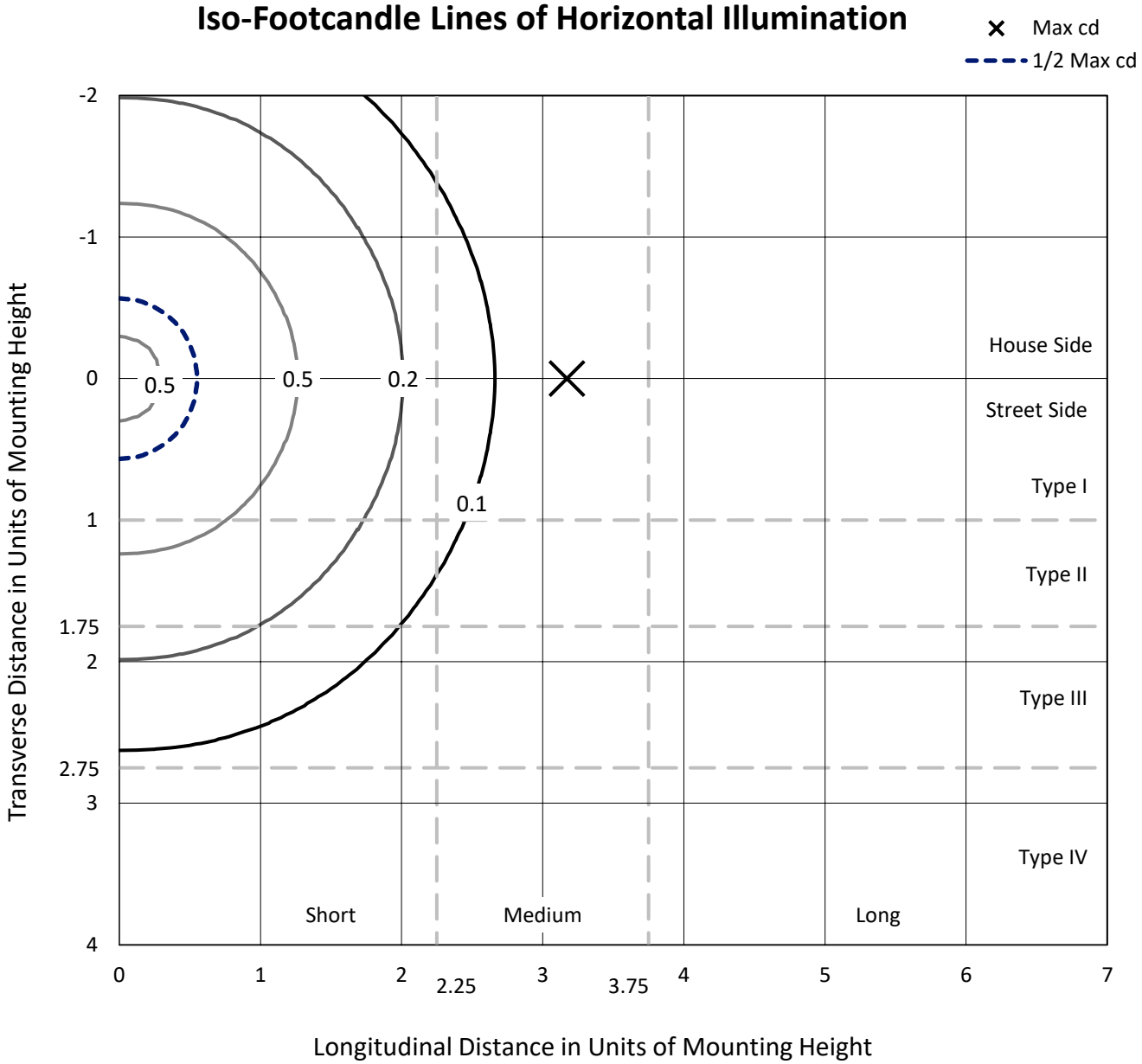
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 0.8 fc
Type V - Short - N/A

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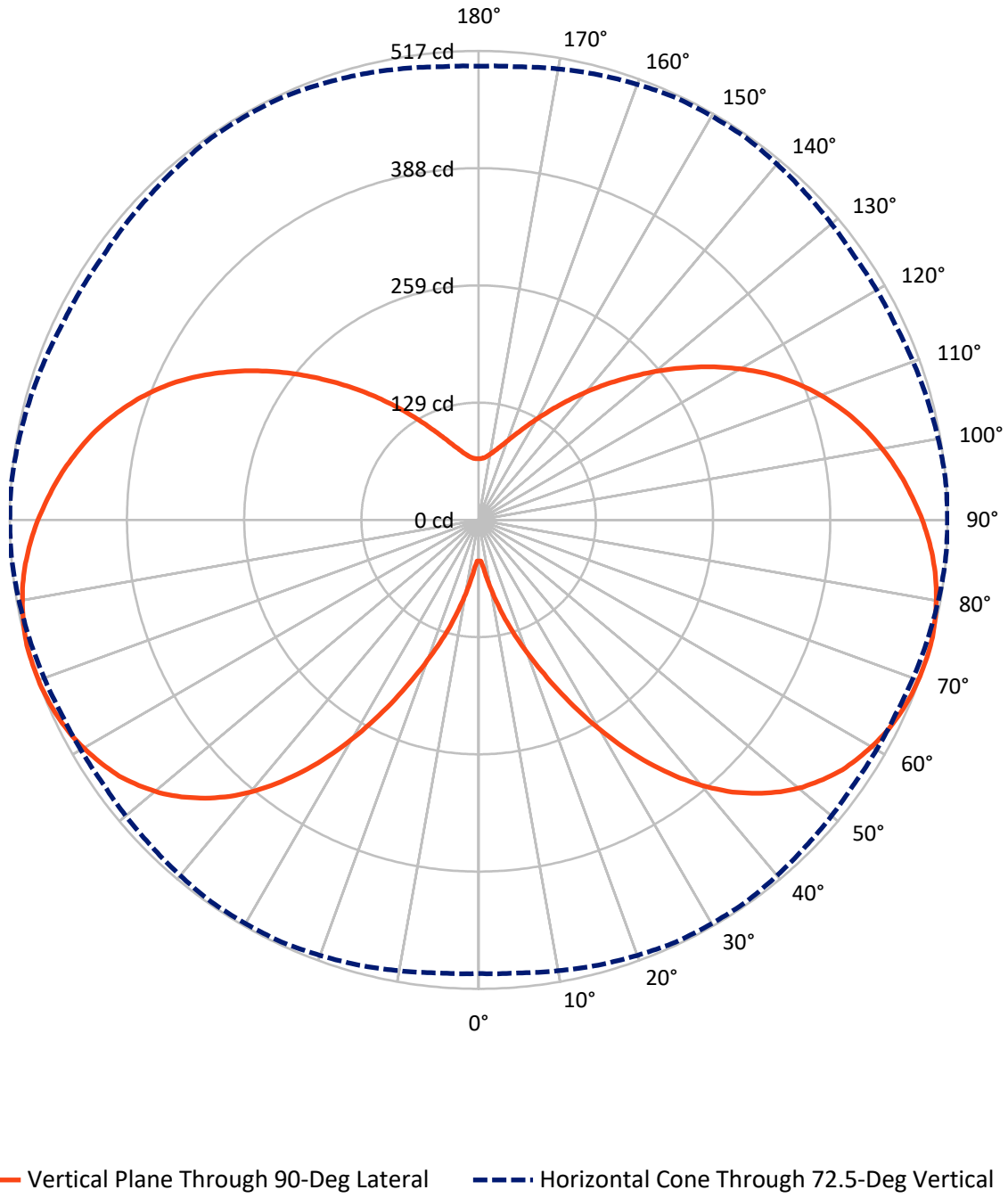
Luminous Intensity Polar Plot



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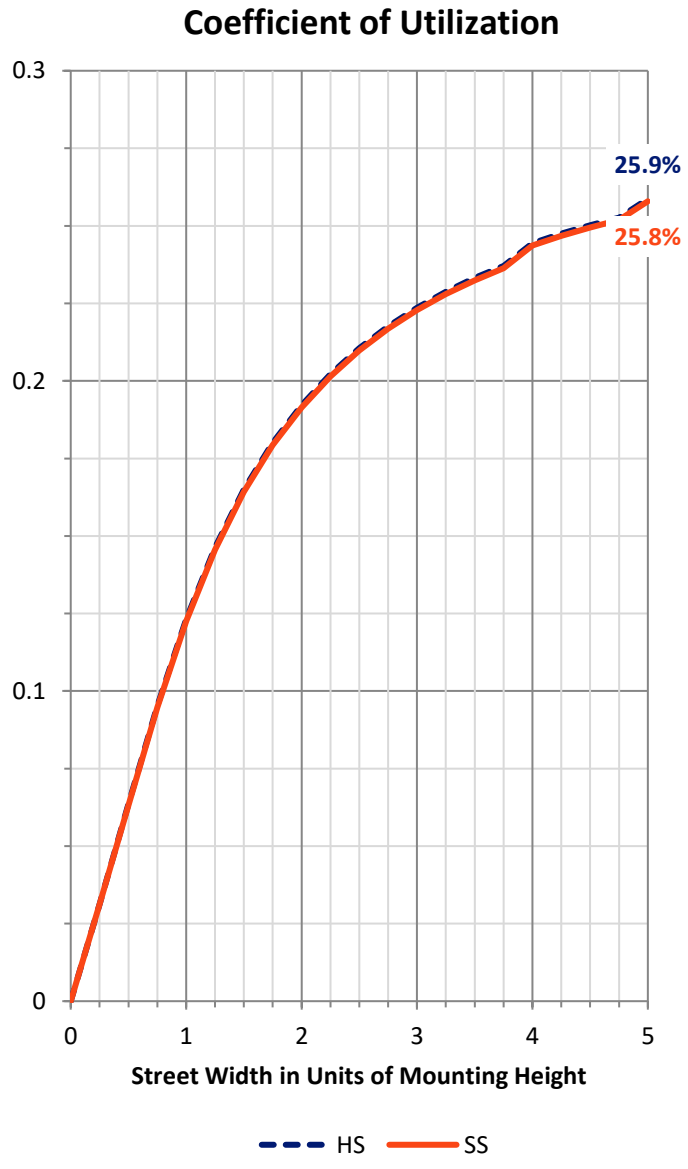
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1338.7	946.6	2285.3
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	1338.7	946.6	2285.3
	% Fixture	29.3	20.7	50.0
Total	Lumens	2677.3	1893.2	4570.5
	% Fixture	58.6	41.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.1
10°-20°	34.3	0.8
20°-30°	99.1	2.2
30°-40°	206.1	4.5
40°-50°	327.0	7.2
50°-60°	429.3	9.4
60°-70°	500.6	11.0
70°-80°	537.7	11.8
80°-90°	537.4	11.8
90°-100°	503.1	11.0
100°-110°	441.4	9.7
110°-120°	355.0	7.8
120°-130°	255.0	5.6
130°-140°	163.9	3.6
140°-150°	95.1	2.1
150°-160°	49.9	1.1
160°-170°	23.2	0.5
170°-180°	6.7	0.1
0°-90°	2677.3	58.6
0°-180°	4570.5	100.0



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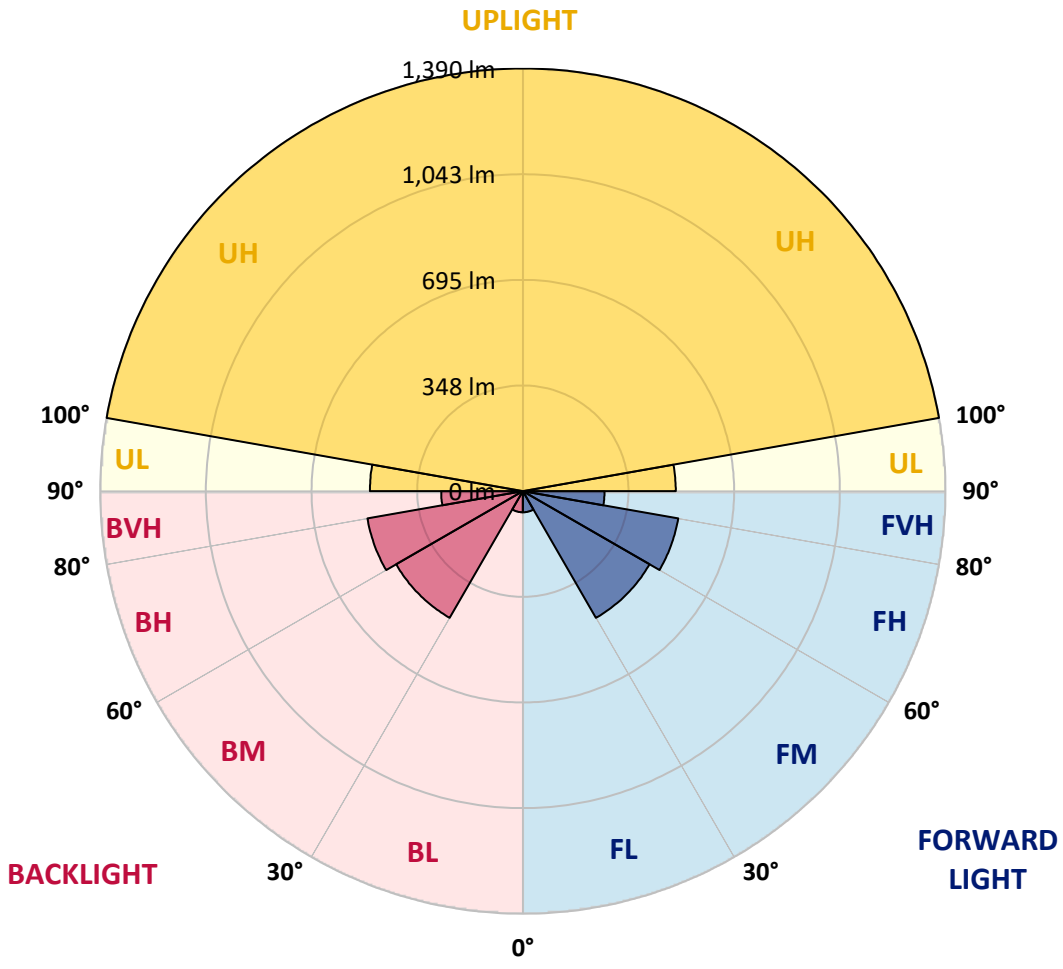
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	69.6	1.5			
FM	(30°-60°)	481.2	10.5			
FH	(60°-80°)	519.1	11.4			G0/660
FVH	(80°-90°)	268.7	5.9			G3/500
BL	(0°-30°)	69.6	1.5	B0/110		
BM	(30°-60°)	481.2	10.5	B1/1000		
BH	(60°-80°)	519.1	11.4	B2/1000		G0/660
BVH	(80°-90°)	268.7	5.9			G3/500
UL	(90°-100°)	503.1	11.0		U4/1000	
UH	(100°-180°)	1390.1	30.4		U5	

BUG Rating: B2-U5-G3
Type V Short



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REPORT NUMBER: P856387
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	*45.3*
2.5°	47.1	47.1	46.8	46.8	46.5	46.2	46.2	45.9	45.6	45.6	*45.6*
5°	52.4	52.1	52.1	52.1	52.1	51.8	52.1	51.8	51.8	51.8	*52.1*
7.5°	63.8	63.5	63.5	63.5	63.8	63.8	64.1	64.4	64.7	64.7	*64.7*
10°	78.8	78.6	78.6	78.3	78.8	78.8	79.1	78.6	79.4	79.4	*79.7*
12.5°	96.5	96.2	96.2	95.9	96.5	96.2	96.8	96.2	97.7	97.1	*97.1*
15°	115.6	115.6	115.3	115.0	115.9	115.9	116.5	116.5	117.4	116.8	*117.1*
17.5°	135.9	135.6	135.6	135.3	136.2	136.2	136.2	136.8	138.0	136.8	*137.7*
20°	157.7	157.4	157.4	157.1	158.0	158.0	158.6	158.9	160.0	159.2	*159.7*
22.5°	181.2	180.9	180.9	180.9	182.1	182.4	182.4	183.3	184.8	183.3	*184.5*
25°	207.4	207.1	207.1	208.0	208.9	209.2	209.8	210.9	212.4	210.9	*212.4*
27.5°	235.4	235.1	235.7	236.8	237.7	238.3	239.2	239.5	241.5	240.1	*242.1*
30°	264.2	263.9	264.5	266.0	267.1	268.9	268.9	269.8	272.7	270.7	*272.7*
32.5°	292.7	292.4	293.3	295.1	296.8	298.6	298.9	300.1	303.0	301.6	*303.6*
35°	321.0	320.7	321.9	324.2	326.0	327.7	328.3	329.5	332.7	331.3	*333.3*
37.5°	347.7	347.7	348.9	351.6	353.6	356.0	355.7	357.2	360.1	359.2	*361.3*
40°	372.7	372.7	374.2	377.5	379.8	381.3	381.0	382.5	385.7	385.4	*387.2*
42.5°	395.4	395.4	397.5	400.7	403.0	403.9	403.9	405.4	408.9	408.6	*410.4*
45°	414.5	415.4	417.8	421.3	423.3	424.2	423.6	425.1	428.9	428.9	*430.4*
47.5°	432.2	433.4	435.7	439.2	440.7	441.6	441.0	442.2	446.0	446.6	*448.1*
50°	447.5	448.4	451.3	455.1	456.6	456.6	455.7	456.9	461.0	462.2	*463.4*
52.5°	460.7	461.6	464.8	468.9	469.8	469.5	468.4	469.5	473.7	474.8	*475.7*
55°	471.3	472.2	476.0	480.1	481.0	480.1	478.4	479.8	483.7	485.4	*486.9*
57.5°	479.8	480.7	485.1	489.2	490.1	488.4	486.3	487.8	492.2	494.2	*494.8*
60°	486.9	487.8	492.5	496.9	497.5	495.4	493.1	494.5	499.0	501.3	*501.9*
62.5°	492.5	493.4	498.4	503.4	503.7	501.0	498.4	499.8	504.3	506.9	*507.8*
65°	496.3	497.2	502.8	507.8	508.4	505.1	502.5	504.0	508.1	511.3	*511.9*
67.5°	499.0	499.8	506.0	511.3	511.6	508.1	505.1	506.3	511.0	514.3	*514.8*
70°	500.1	501.0	507.5	513.1	513.4	509.5	506.0	507.5	512.2	516.0	*516.6*
72.5°	*500.4*	*501.6*	*508.4*	*514.0*	*514.3*	*509.8*	*506.3*	*507.5*	*512.5*	*516.9*	*517.2*
75°	499.3	500.7	507.8	513.7	513.7	508.7	504.8	506.0	511.6	516.3	*517.2*
77.5°	497.8	498.7	506.0	511.9	511.6	506.3	501.9	503.7	509.3	514.5	*515.1*
80°	494.5	495.7	503.1	508.7	508.1	502.2	498.1	499.8	505.7	511.3	*511.9*
82.5°	490.4	491.6	499.0	504.0	503.4	497.2	493.1	495.1	501.3	507.2	*507.8*
85°	485.4	486.6	493.7	498.4	497.5	491.3	487.2	489.0	495.7	501.6	*502.2*
87.5°	479.0	480.1	487.2	491.3	490.4	484.0	480.4	482.8	489.0	495.1	*495.4*
90°	471.6	473.1	479.2	483.1	481.9	476.0	472.8	475.1	481.3	487.2	*487.8*
92.5°	464.2	464.8	470.7	473.9	473.1	467.8	464.8	467.5	473.1	479.0	*479.0*
95°	455.4	456.3	461.6	464.2	463.4	458.9	456.3	459.2	464.2	469.8	*470.1*
97.5°	446.0	446.9	451.3	453.9	453.1	449.2	447.5	450.4	454.8	460.1	*460.4*
100°	436.0	436.6	440.4	442.8	441.9	438.9	437.8	440.7	444.8	449.8	*449.8*
102.5°	424.8	425.4	428.3	429.8	429.5	427.2	427.2	430.4	433.6	438.4	*438.9*
105°	413.1	413.6	415.7	416.6	416.3	415.4	416.0	419.2	421.9	426.0	*426.6*
107.5°	399.8	400.4	401.6	401.9	401.9	401.9	403.9	406.9	409.8	412.8	*413.1*
110°	385.7	386.0	386.9	386.6	386.6	387.2	390.1	393.3	395.7	398.6	*398.9*

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Scaled Data Report

REPORT NUMBER: P856387
CATALOG NUMBER: FFX-CLB-30-727-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	370.4	370.7	371.3	370.1	370.4	371.6	375.4	378.9	380.4	383.3	*383.3*
115°	354.2	353.9	354.5	353.0	352.7	354.8	358.9	363.0	364.2	366.3	*366.6*
117.5°	336.6	336.9	336.6	334.8	334.5	337.4	341.3	345.1	346.6	348.9	*348.3*
120°	318.3	318.0	318.3	316.3	316.0	319.2	323.0	326.9	327.7	329.8	*329.2*
122.5°	299.8	299.5	299.2	297.1	297.1	299.8	304.5	308.3	307.7	310.1	*309.8*
125°	280.7	280.7	280.1	278.0	278.0	281.3	285.1	288.6	288.0	290.7	*289.8*
127.5°	261.8	261.8	261.2	259.5	259.5	262.4	266.0	269.5	268.6	271.0	*270.1*
130°	243.3	243.3	242.7	240.9	240.9	243.3	247.1	250.1	248.9	250.9	*250.7*
132.5°	225.6	225.4	225.1	223.3	223.6	225.9	228.9	231.5	230.4	232.7	*231.8*
135°	208.6	208.3	208.0	206.2	206.5	208.9	211.5	213.6	212.7	214.2	*213.9*
137.5°	192.4	192.1	191.8	190.3	190.6	192.4	195.1	196.8	195.6	197.7	*196.8*
140°	177.1	176.8	176.2	175.3	175.6	177.4	178.9	180.9	179.8	181.5	*180.6*
142.5°	162.4	162.4	161.8	160.9	161.2	163.0	164.2	165.6	164.5	165.9	*165.3*
145°	148.9	148.9	148.3	147.7	147.7	149.2	150.0	151.5	150.3	151.8	*151.2*
147.5°	136.5	136.5	135.9	135.3	135.3	136.8	137.4	138.6	137.4	138.6	*138.0*
150°	125.0	125.0	124.7	124.2	124.4	125.0	125.6	126.5	125.6	126.5	*126.2*
152.5°	115.0	115.0	114.7	114.4	114.1	115.0	115.3	116.2	115.3	116.2	*115.6*
155°	106.2	105.9	105.9	105.3	105.3	105.9	106.2	106.8	105.9	106.8	*106.5*
157.5°	98.3	98.3	98.0	97.7	97.7	98.0	98.3	98.6	98.0	98.8	*98.3*
160°	91.5	91.5	91.2	90.9	90.9	91.2	91.2	91.5	90.9	91.5	*91.2*
162.5°	85.6	85.6	85.3	85.3	85.0	85.3	85.6	85.6	85.3	85.6	*85.3*
165°	80.9	80.9	80.6	80.3	80.3	80.6	80.6	80.9	80.3	80.6	*80.6*
167.5°	76.5	76.5	76.5	76.2	75.9	76.2	76.2	76.2	75.9	76.2	*76.2*
170°	73.3	73.3	73.3	73.0	72.7	73.0	73.0	73.0	72.7	73.0	*73.0*
172.5°	70.6	70.6	70.6	70.3	70.3	70.3	70.3	70.3	70.3	70.3	*70.3*
175°	68.8	68.8	68.8	68.8	68.5	68.8	68.8	68.8	68.8	68.8	*68.5*
177.5°	68.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	*67.7*
180°	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	*67.4*

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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: SP1-2406-133-3

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

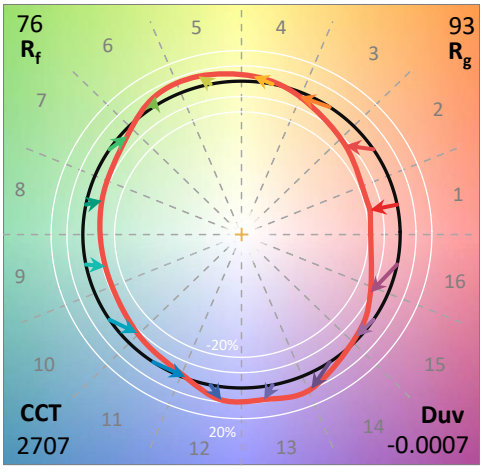
Test Information

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

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

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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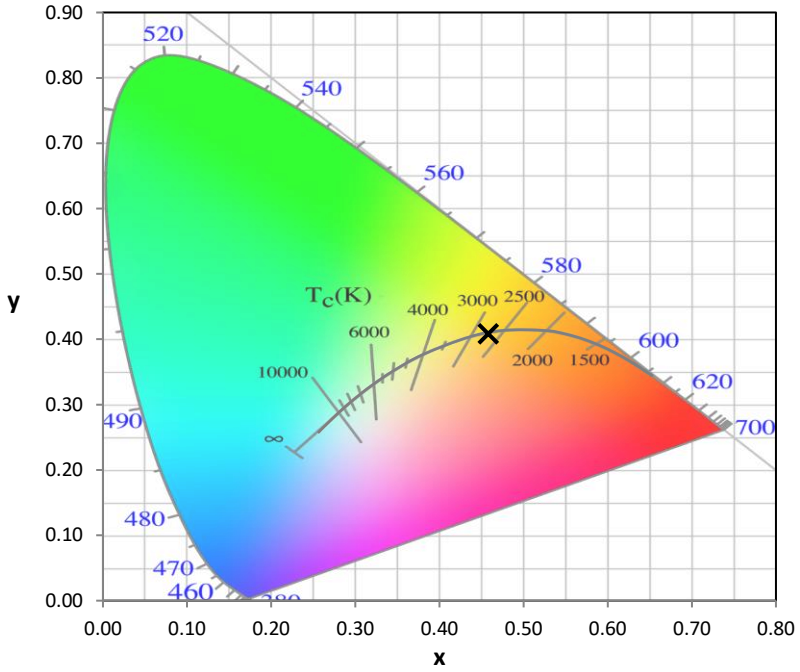
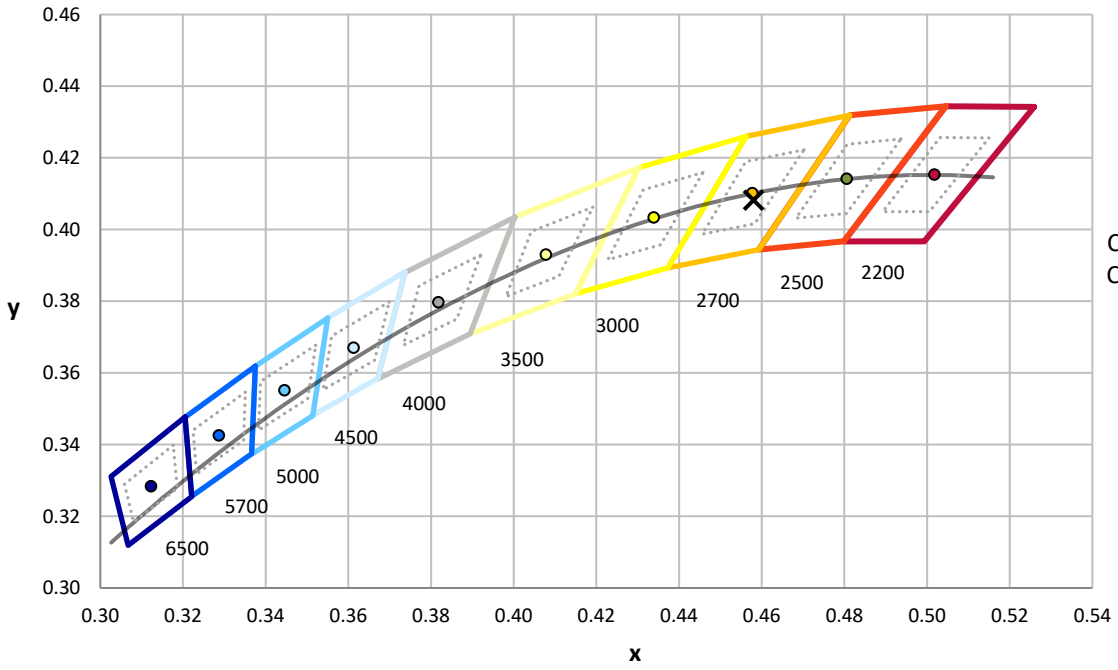
REPORT NUMBER: SP1-2406-133-3

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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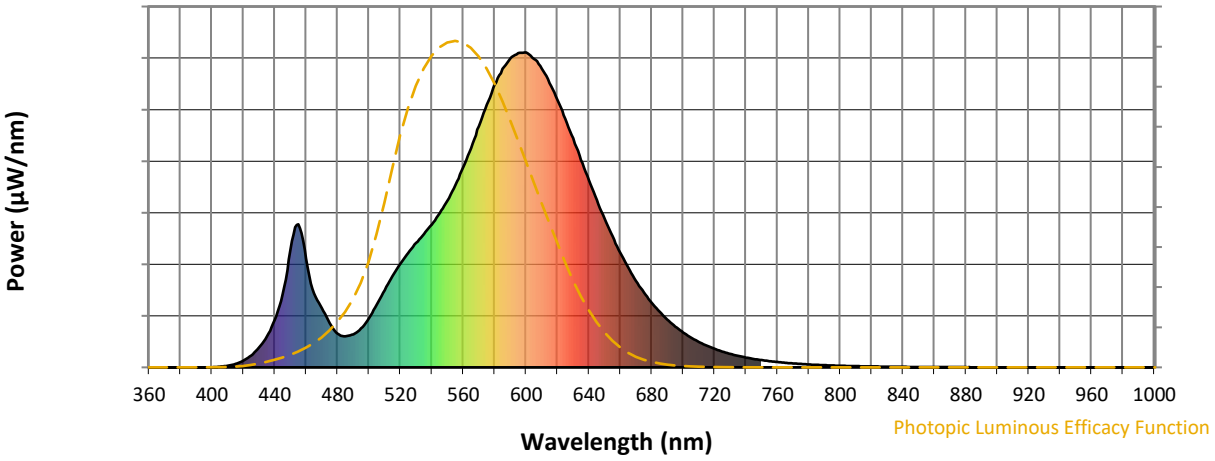
REPORT NUMBER: SP1-2406-133-3

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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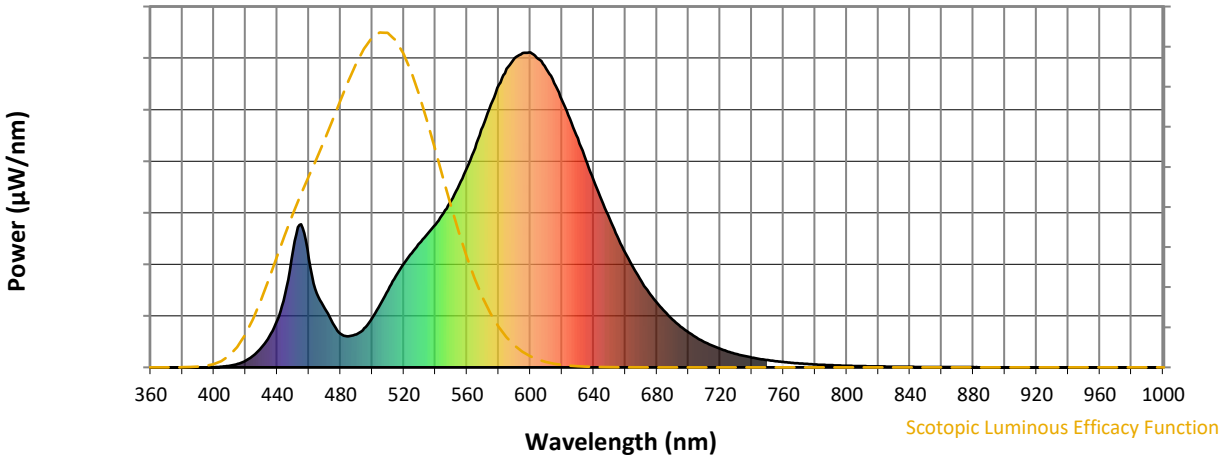
Scotopic Flux vs. Wavelength



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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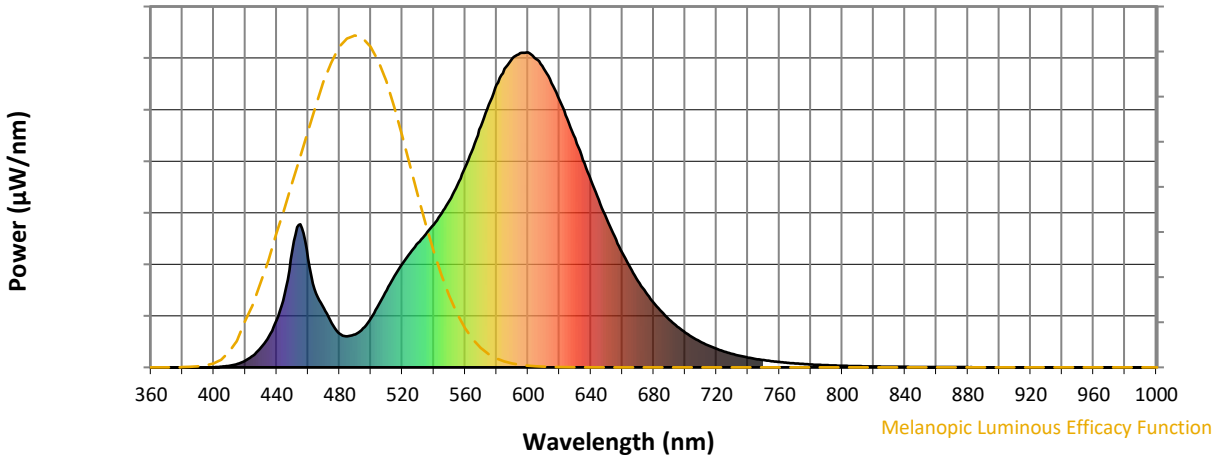
Melanopic Flux vs. Wavelength



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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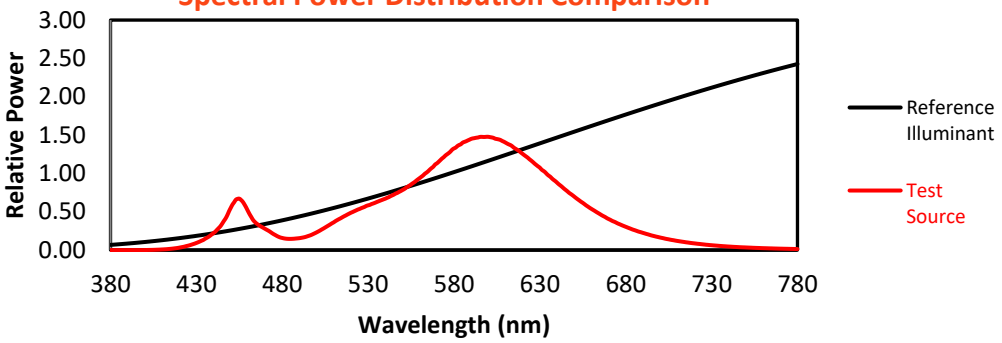
TM-30-18

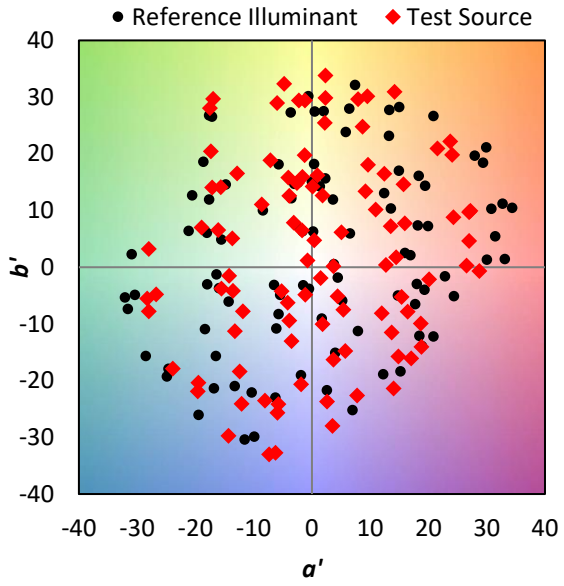
Summary

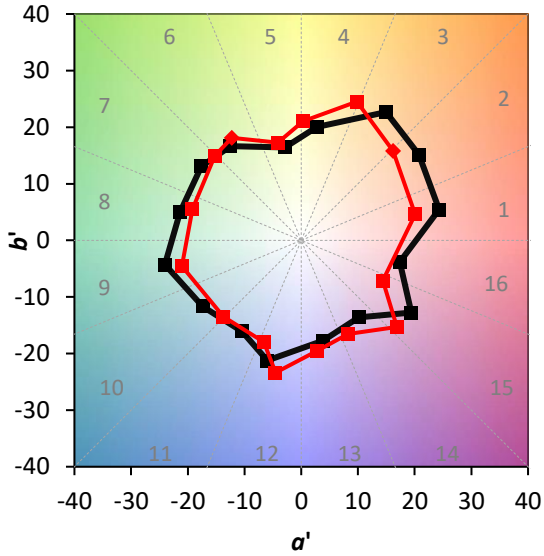
R_f = 75.5
R_g = 92.5
CIE R_a = 71.3
R_9 = -34.9

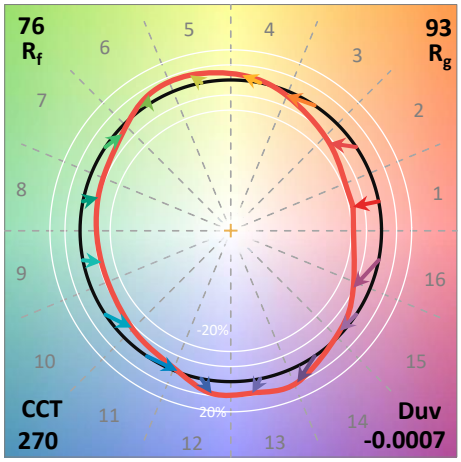
Spectral Power Distribution Comparison

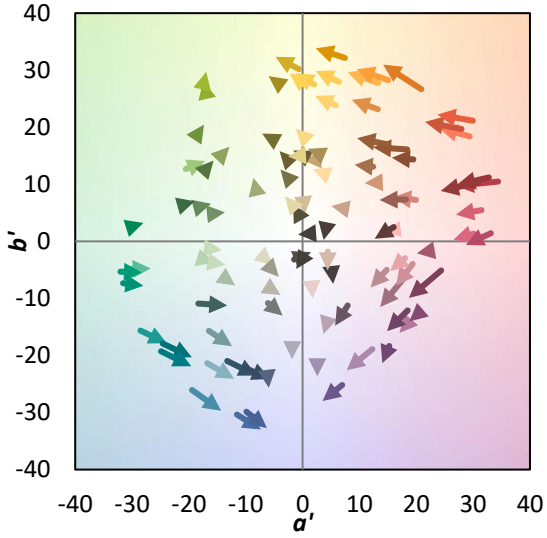


Color Vector Graphics









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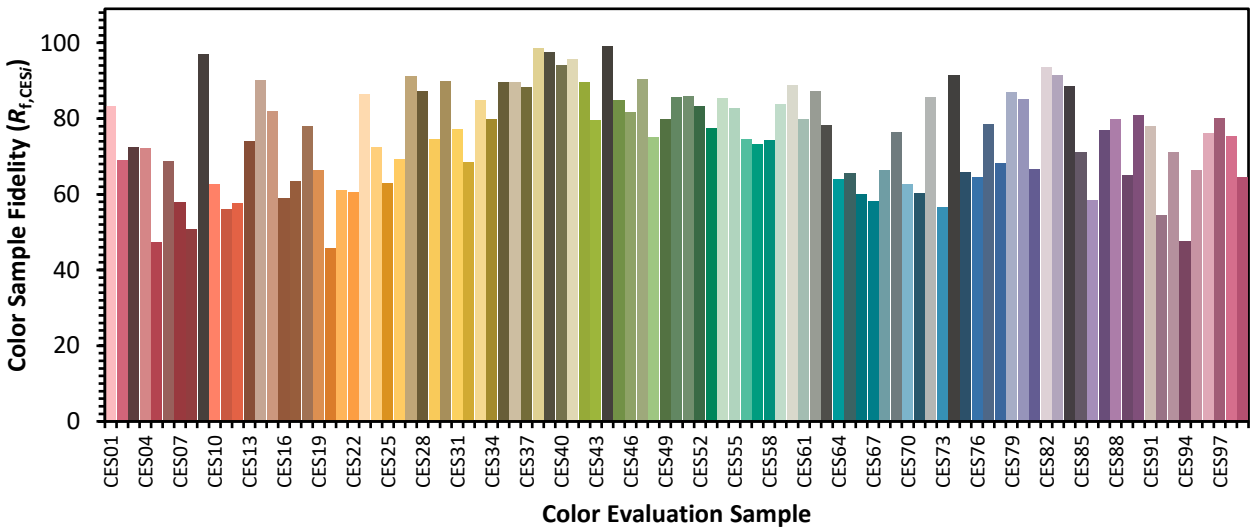
Individual Sample Fidelity Index ($R_{f,i}$)

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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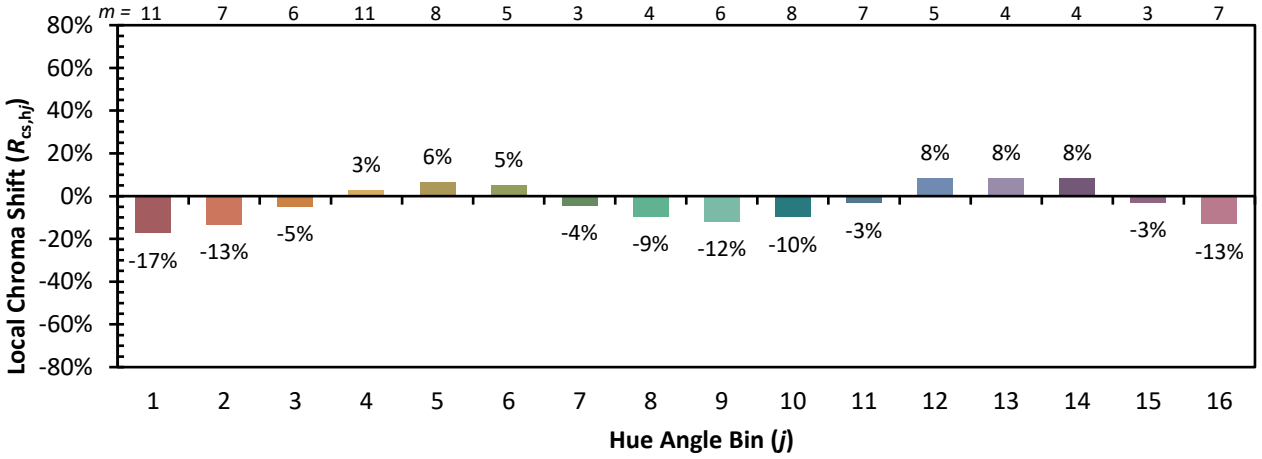
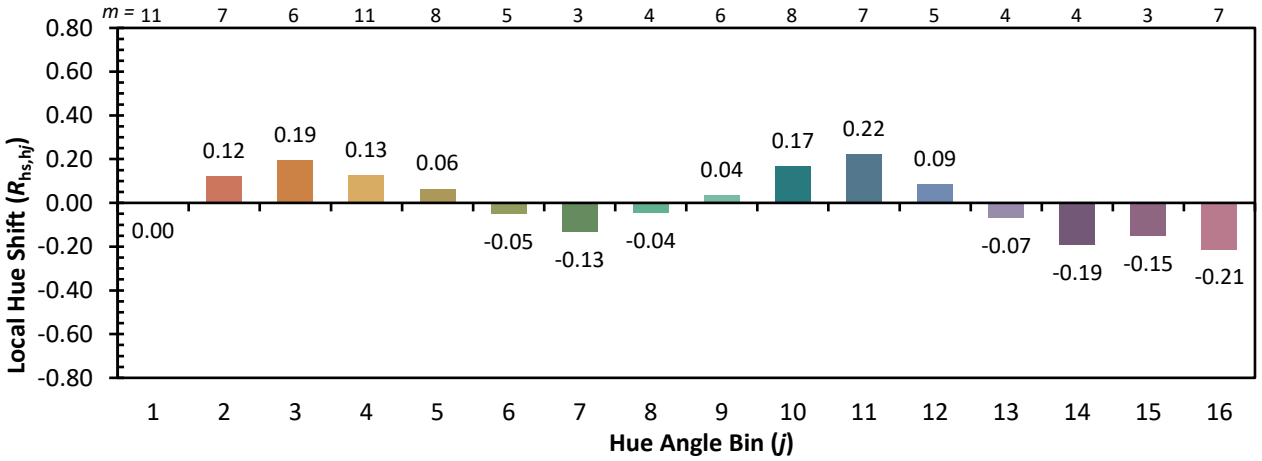
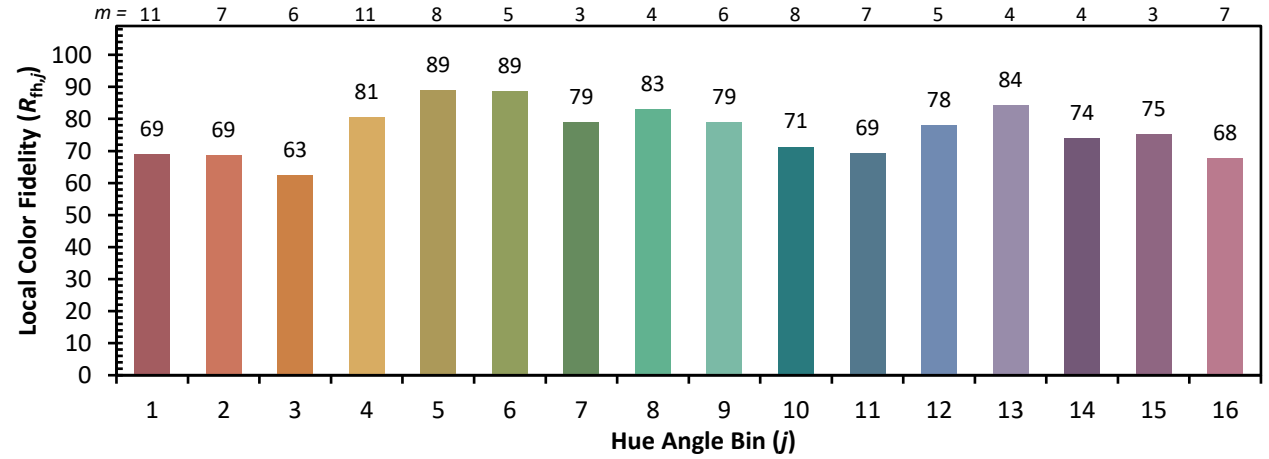
Color Rendition by Hue-Angle Bin







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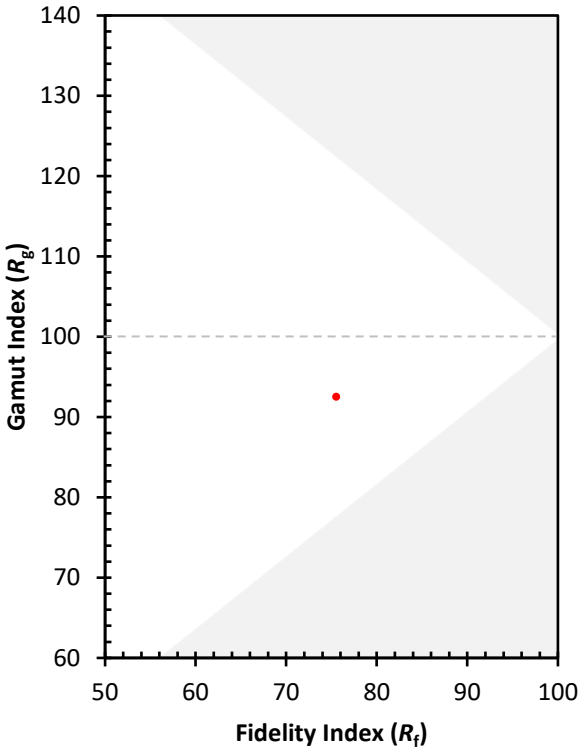
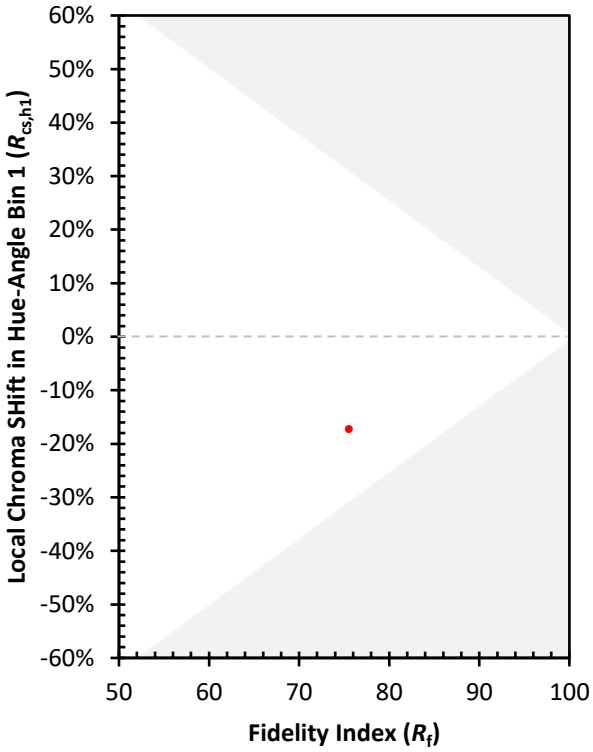
Measure Comparisons





(END OF REPORT)