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: P856162

Luminaire Tested: **FFX-CLB-30-727-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:	P856162
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-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:	4515.3 lumens
Efficiency:	N/A
Efficacy:	148.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type V - Short
BUG Rating:	B3 - U3 - G2

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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REPORT NUMBER: P856162
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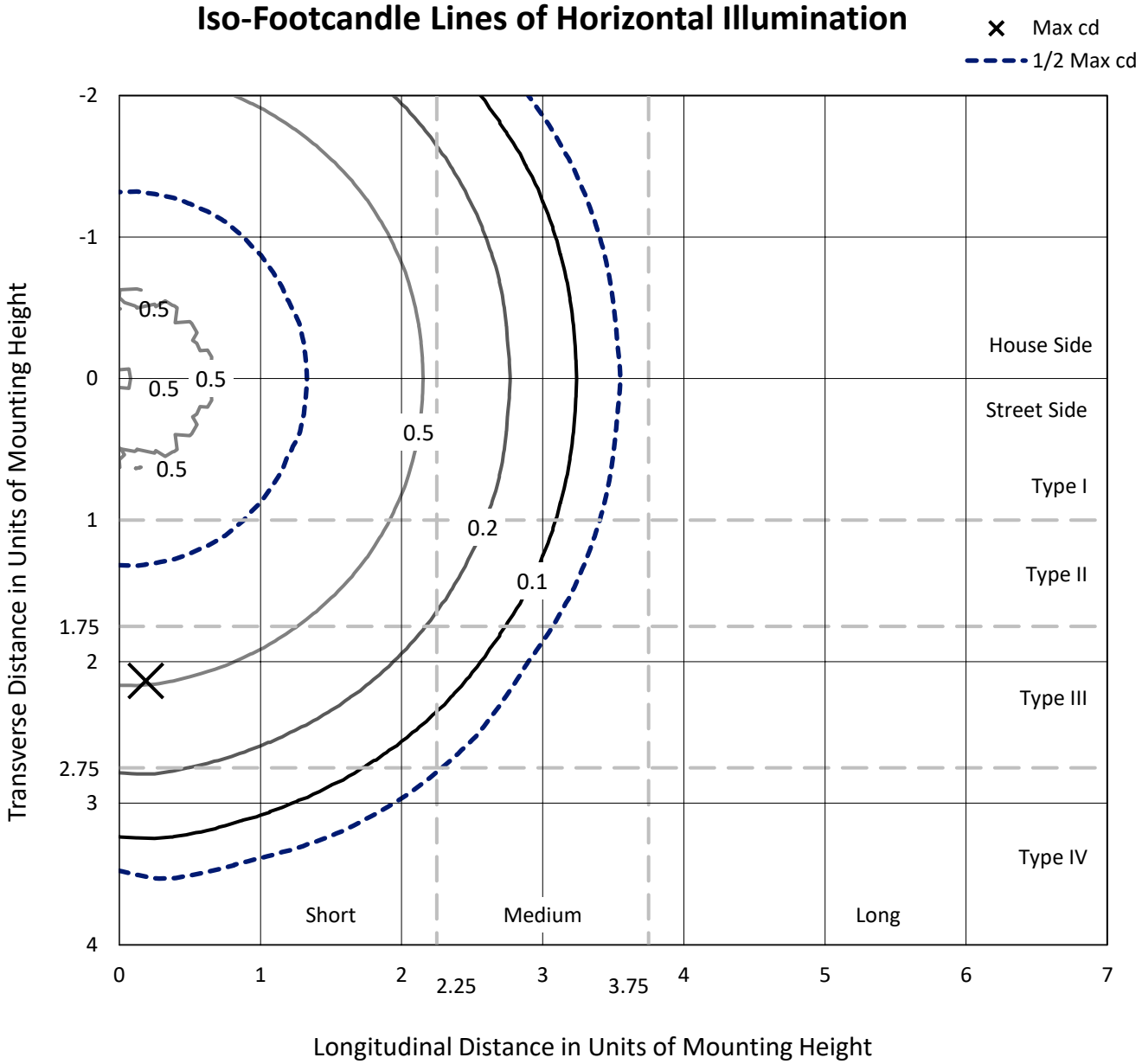
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Short - N/A

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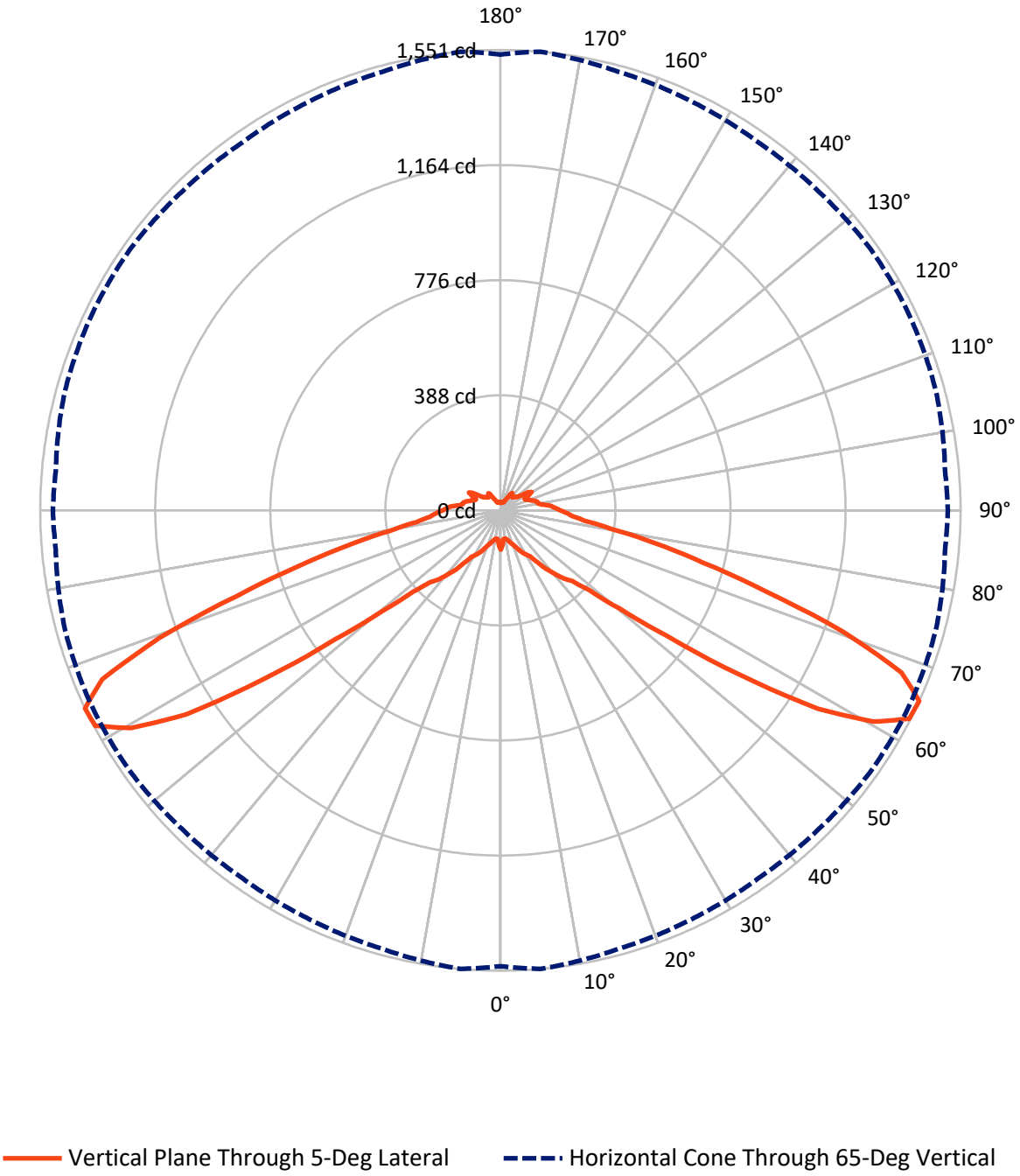
Luminous Intensity Polar Plot



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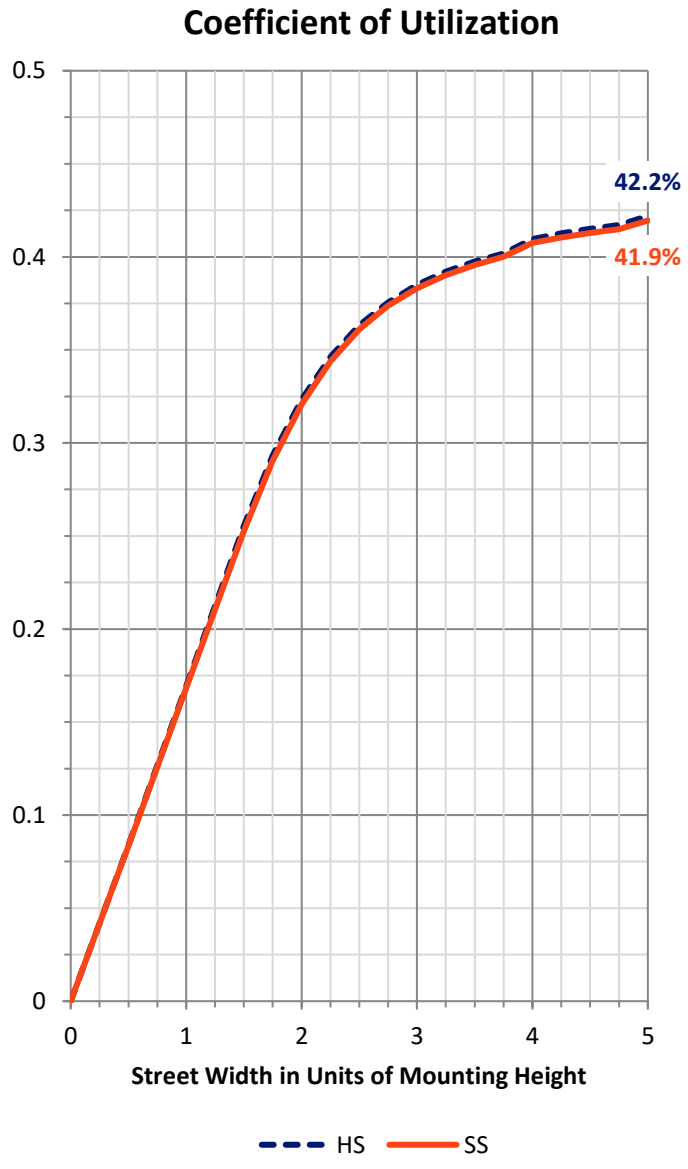
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1972.4	285.3	2257.6
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	1972.4	285.3	2257.6
	% Fixture	43.7	6.3	50.0
Total	Lumens	3944.7	570.6	4515.3
	% Fixture	87.4	12.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.2
10°-20°	31.7	0.7
20°-30°	68.7	1.5
30°-40°	139.2	3.1
40°-50°	280.7	6.2
50°-60°	892.3	19.8
60°-70°	1439.0	31.9
70°-80°	784.7	17.4
80°-90°	298.8	6.6
90°-100°	179.3	4.0
100°-110°	114.4	2.5
110°-120°	87.0	1.9
120°-130°	73.6	1.6
130°-140°	48.0	1.1
140°-150°	40.2	0.9
150°-160°	18.0	0.4
160°-170°	7.6	0.2
170°-180°	2.6	0.1
0°-90°	3944.7	87.4
0°-180°	4515.3	100.0



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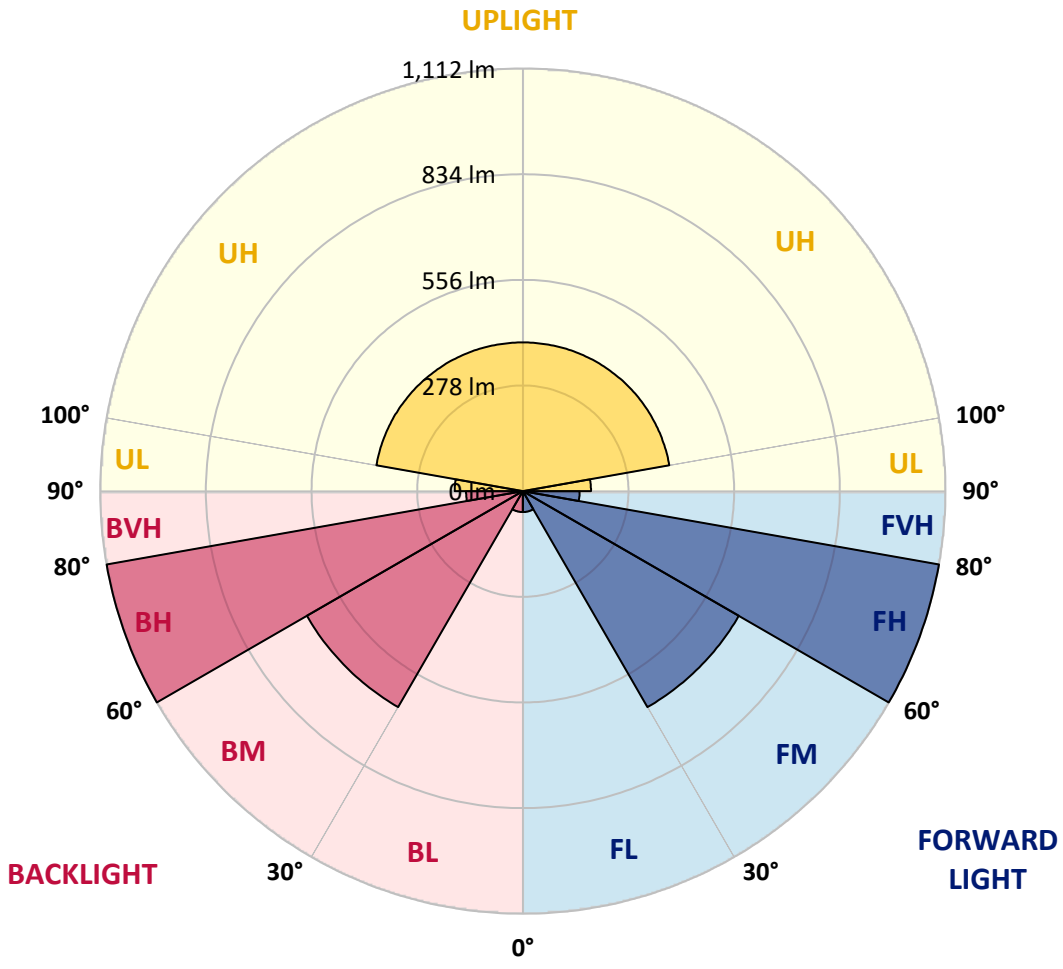
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	55.0	1.2			
FM	(30°-60°)	656.1	14.5			
FH	(60°-80°)	1111.9	24.6			G1/1800
FVH	(80°-90°)	149.4	3.3			G2/225
BL	(0°-30°)	55.0	1.2	B0/110		
BM	(30°-60°)	656.1	14.5	B1/1000		
BH	(60°-80°)	1111.9	24.6	B3/2500		G1/1800
BVH	(80°-90°)	149.4	3.3			G2/225
UL	(90°-100°)	179.3	4.0		U3/500	
UH	(100°-180°)	391.3	8.7		U3/500	

BUG Rating: B3-U3-G2
Type V Short



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REPORT NUMBER: P856162
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5
2.5°	118.4	120.2	115.1	110.8	108.9	109.4	113.6	117.9	113.6	115.1	115.1
5°	98.1	98.6	98.6	97.6	99.0	96.2	92.9	92.9	96.2	100.0	100.0
7.5°	94.8	96.2	100.0	100.0	101.4	96.7	92.0	92.4	97.1	102.8	104.2
10°	97.6	97.6	96.7	97.6	100.9	100.4	95.3	92.9	96.2	101.9	103.7
12.5°	101.9	101.9	104.7	108.9	109.4	105.2	100.0	99.5	103.3	107.0	107.0
15°	108.0	108.5	109.9	109.4	110.8	109.4	108.0	108.9	111.3	111.3	111.3
17.5°	116.0	116.0	116.0	116.0	116.0	116.5	116.9	116.9	116.9	117.9	117.9
20°	125.0	125.0	124.5	124.0	124.0	124.5	125.0	125.0	125.0	125.9	125.9
22.5°	136.3	135.8	134.9	134.9	134.9	135.3	134.4	133.9	133.4	133.9	133.9
25°	149.5	149.5	148.5	147.1	147.1	146.7	145.2	144.8	144.3	145.2	144.8
27.5°	162.7	162.7	161.3	159.4	159.4	159.4	158.4	157.5	156.6	157.0	157.0
30°	174.9	174.0	173.5	172.1	171.6	172.1	171.2	171.2	169.3	168.8	169.8
32.5°	186.3	185.3	186.3	184.8	183.4	184.8	184.4	184.4	181.5	180.6	181.5
35°	217.4	215.0	216.9	213.6	211.7	212.2	213.1	215.0	212.2	210.8	211.3
37.5°	250.9	250.4	256.5	261.7	260.8	252.8	247.6	248.5	252.3	257.5	257.5
40°	282.0	281.0	282.5	280.6	280.6	279.6	279.2	281.5	274.0	272.1	270.7
42.5°	314.5	314.1	306.0	294.7	292.4	301.8	306.0	309.3	298.5	294.7	291.9
45°	346.6	340.0	338.6	334.8	331.0	337.2	336.7	339.0	333.9	333.4	331.0
47.5°	414.0	401.8	397.5	398.0	390.0	396.6	399.4	406.9	396.1	396.6	396.1
50°	535.7	520.1	527.2	522.5	514.0	522.0	521.5	535.2	517.3	523.9	521.1
52.5°	725.7	704.5	708.7	705.9	697.4	713.9	717.7	738.0	703.6	712.0	709.7
55°	1000.6	977.5	987.0	953.0	944.0	976.6	988.8	1012.4	966.7	971.4	969.0
57.5°	1262.8	1261.4	1277.4	1253.4	1245.4	1268.5	1257.2	1277.9	1253.4	1270.8	1265.2
60°	1441.5	1445.3	1461.3	1468.4	1454.3	1466.5	1439.2	1454.7	1447.2	1472.7	1470.3
62.5°	1534.4	1546.7	1537.3	1537.7	1522.2	1531.6	1526.4	1535.4	1533.5	1535.8	1533.5
65°	1536.3	1551.4	1530.7	1521.2	1514.6	1518.4	1527.4	1527.4	1521.7	1504.7	1508.5
67.5°	1435.9	1458.5	1435.4	1422.2	1426.0	1424.6	1430.7	1422.7	1419.4	1394.4	1394.8
70°	1188.8	1225.1	1191.1	1178.9	1188.8	1194.9	1194.4	1187.8	1182.6	1151.5	1160.5
72.5°	902.5	934.6	904.4	899.7	909.1	918.6	910.6	918.6	910.1	895.9	900.2
75°	681.4	708.7	708.7	726.7	729.5	724.3	702.1	711.1	716.8	717.2	721.5
77.5°	501.3	530.0	545.1	574.3	572.9	564.0	537.1	547.5	558.3	565.9	571.0
80°	356.5	378.2	400.3	421.1	423.9	416.4	399.9	406.0	412.6	417.8	420.6
82.5°	276.3	286.2	282.0	279.6	283.4	294.2	298.0	301.8	292.4	286.2	288.6
85°	241.0	241.9	249.5	254.6	256.1	256.1	252.3	255.1	257.5	263.6	263.6
87.5°	219.7	220.7	239.5	244.7	246.6	244.3	239.5	241.4	243.3	247.1	247.1
90°	195.2	198.1	216.9	221.2	223.0	219.3	217.9	219.3	216.9	218.3	218.3
92.5°	181.5	181.5	190.5	188.6	188.1	188.6	189.1	190.5	188.1	187.2	187.2
95°	166.0	168.3	166.0	167.9	167.4	165.0	164.1	165.0	163.6	163.6	164.6
97.5°	139.1	139.6	135.3	136.7	136.7	134.9	132.5	133.4	132.0	133.0	133.4
100°	130.1	128.7	121.7	120.7	120.2	118.8	117.4	117.4	116.9	116.5	116.9
102.5°	127.3	127.3	117.9	116.0	115.1	112.7	110.8	110.8	110.8	110.8	111.3
105°	116.5	119.8	112.7	111.3	109.9	107.0	104.2	103.7	104.7	103.7	105.2
107.5°	105.6	108.5	104.7	104.7	103.3	100.4	98.6	98.1	98.6	97.6	98.6
110°	99.5	100.9	96.7	96.7	95.7	93.4	92.9	92.4	92.4	91.0	92.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	92.0	*92.0*	88.7	87.7	87.7	86.3	85.8	85.4	85.4	85.4	85.8
115°	91.5	*91.0*	85.8	82.5	82.0	81.6	82.0	81.6	81.6	81.1	81.1
117.5°	111.8	*107.0*	89.6	81.6	81.6	82.0	83.9	82.5	79.2	79.2	78.7
120°	120.7	*121.7*	103.3	94.8	92.9	90.5	90.1	89.1	85.8	85.4	87.2
122.5°	106.6	*111.3*	100.0	96.7	94.8	92.0	90.1	89.6	89.6	87.2	90.5
125°	83.0	*87.2*	81.6	81.1	80.6	81.1	80.2	80.2	81.1	79.7	80.2
127.5°	71.2	*73.1*	70.7	70.7	70.3	69.8	68.8	69.3	68.8	69.3	69.8
130°	68.4	*69.8*	67.4	66.5	66.5	67.0	67.0	67.0	65.5	64.6	65.1
132.5°	67.9	*67.4*	63.7	61.8	61.8	65.1	66.5	66.5	63.2	60.8	60.8
135°	61.3	*61.8*	61.3	58.9	59.4	60.4	61.8	62.2	58.9	57.5	58.0
137.5°	58.9	*60.4*	60.8	59.9	59.9	58.9	58.5	58.9	58.0	58.5	58.5
140°	58.9	*59.4*	60.8	61.8	60.8	59.9	59.9	59.9	60.4	61.8	62.7
142.5°	60.4	*60.8*	60.4	59.9	61.3	63.7	65.5	65.5	64.1	63.2	63.7
145°	69.3	*70.7*	70.7	69.3	70.3	69.3	69.3	68.4	68.4	68.4	68.8
147.5°	66.0	*65.5*	66.5	67.9	66.5	66.0	66.0	66.5	67.4	67.9	68.4
150°	51.9	*50.5*	51.4	54.2	53.8	53.8	53.8	54.2	54.7	54.7	55.2
152.5°	41.0	*41.0*	42.0	42.0	42.4	42.4	42.0	42.0	42.0	42.4	42.4
155°	36.8	*36.3*	37.3	38.7	37.7	37.7	37.7	37.7	37.7	37.7	38.2
157.5°	32.1	*31.6*	31.6	32.1	32.1	32.1	32.1	32.5	32.5	32.1	32.5
160°	29.2	*29.2*	28.8	28.8	28.8	29.2	29.7	29.7	29.2	28.8	28.8
162.5°	27.8	*27.8*	26.9	26.4	26.4	26.9	27.8	27.8	26.9	26.4	26.4
165°	27.8	*27.3*	25.9	25.0	25.0	25.9	27.3	27.3	25.9	25.0	25.0
167.5°	27.3	*27.3*	26.4	25.5	25.5	26.4	26.9	27.3	26.9	25.9	25.5
170°	26.4	*26.4*	26.9	26.9	26.4	26.4	26.4	26.4	26.9	26.9	26.9
172.5°	27.3	*26.9*	27.3	27.8	27.8	27.3	26.9	26.9	27.3	27.8	27.8
175°	27.8	*27.8*	27.3	27.3	27.3	26.9	26.9	26.9	27.3	27.8	27.3
177.5°	25.0	*25.0*	24.5	25.0	25.0	25.0	24.5	25.0	25.0	25.0	25.5
180°	23.6	*23.6*	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6

Cooper Lighting Solutions Photometric Lab
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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

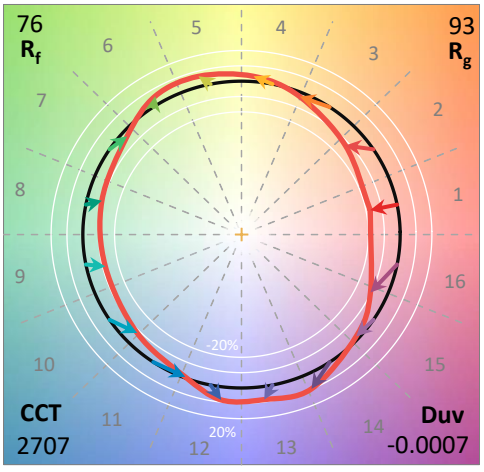
Test Information

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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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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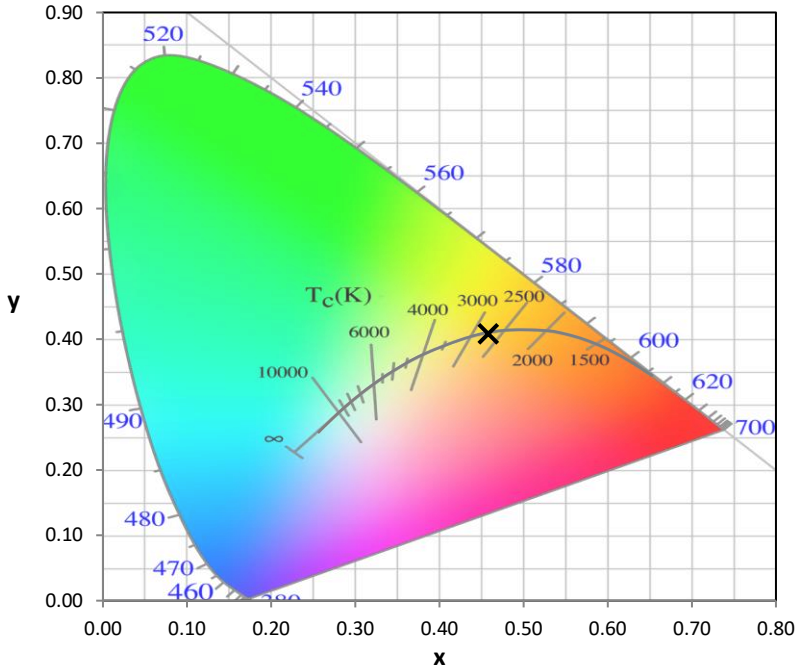
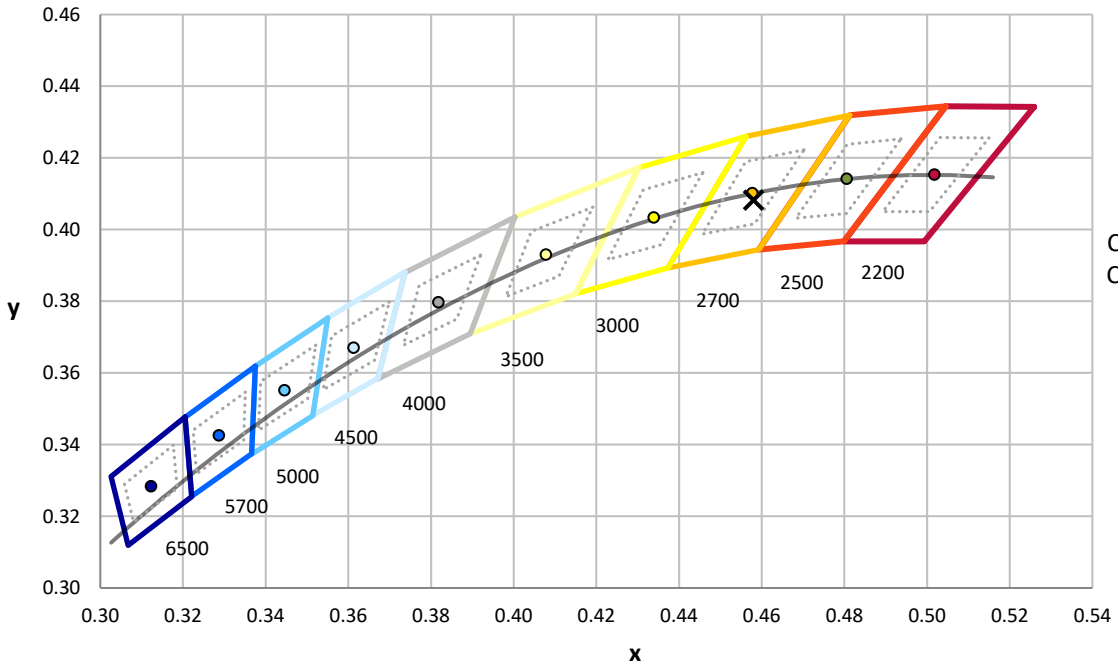
CIE 1931 Chromaticity Diagram



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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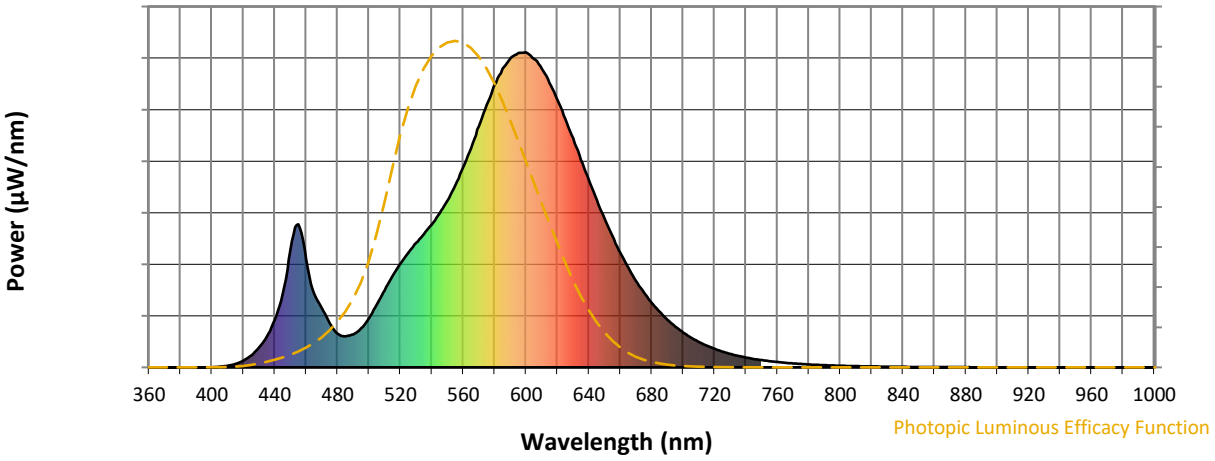
Photopic Flux vs. Wavelength



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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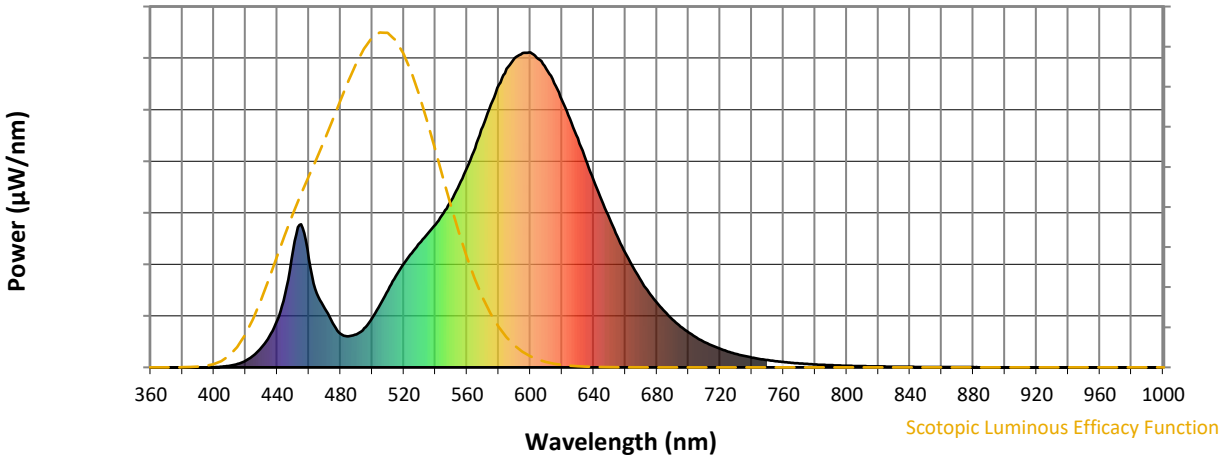
Scotopic Flux vs. Wavelength



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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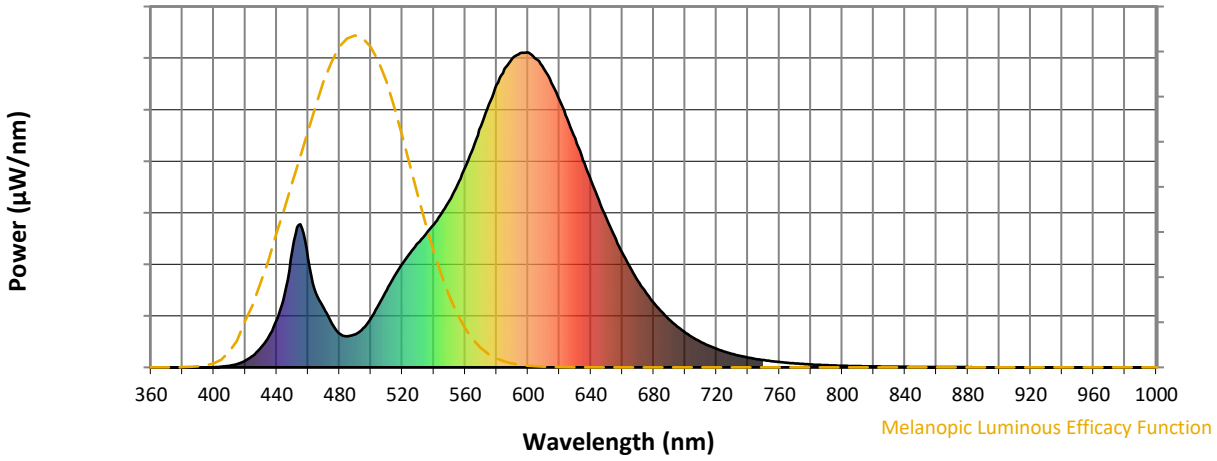
Melanopic Flux vs. Wavelength



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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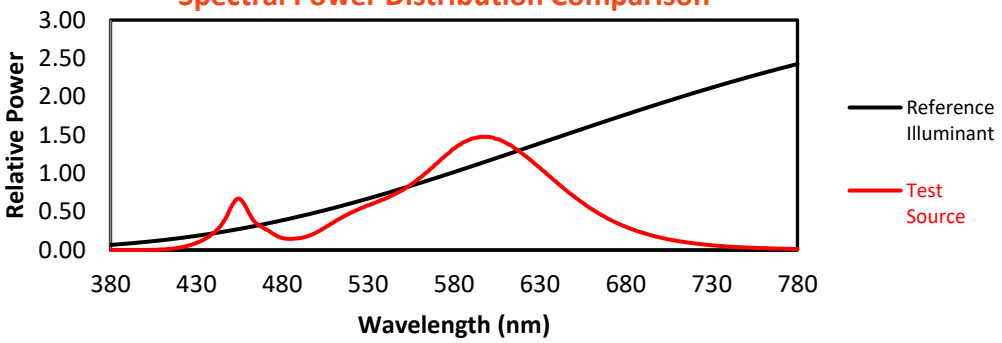
TM-30-18

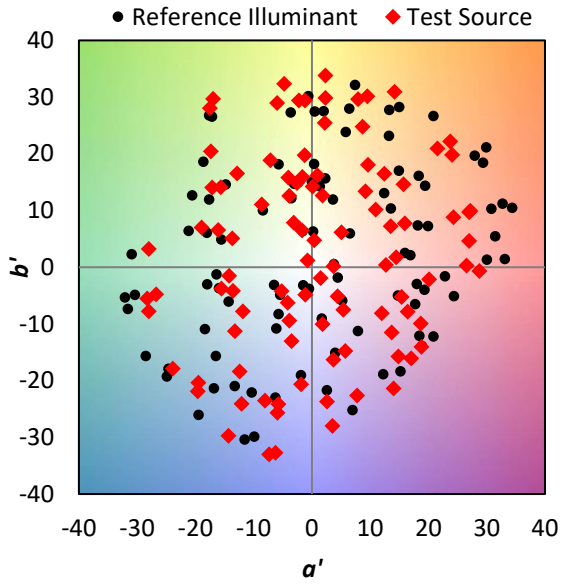
Summary

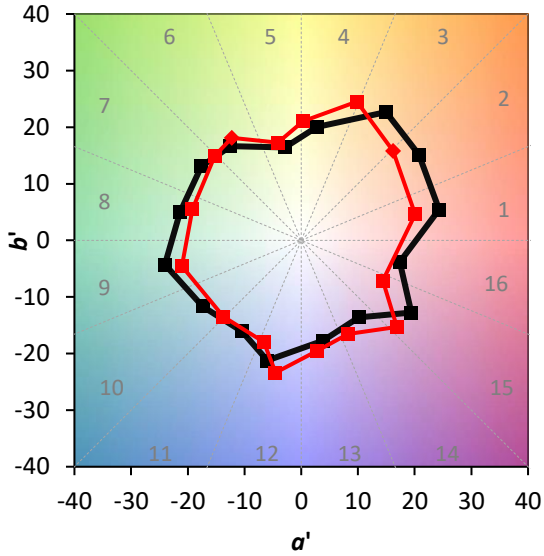
R_f = 75.5
R_g = 92.5
CIE R_a = 71.3
R_9 = -34.9

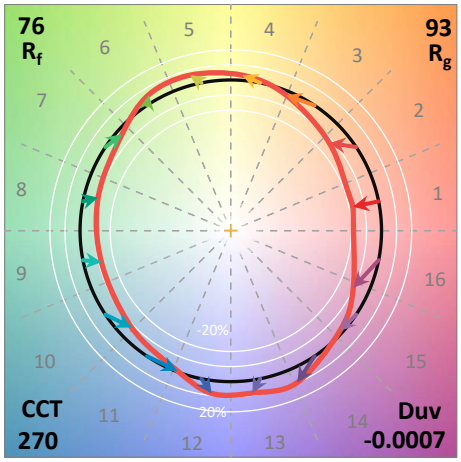
Spectral Power Distribution Comparison

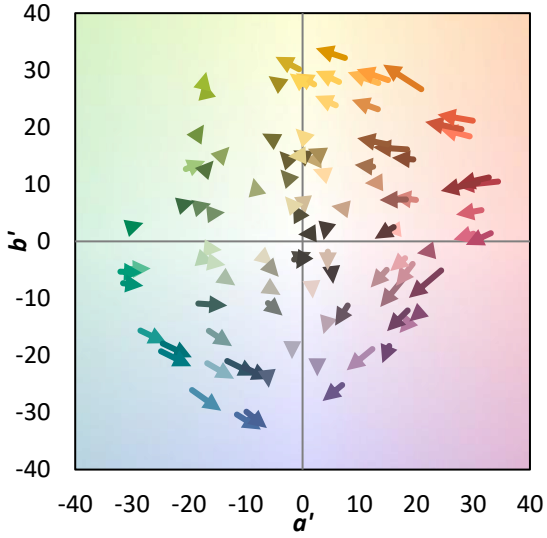


Color Vector Graphics









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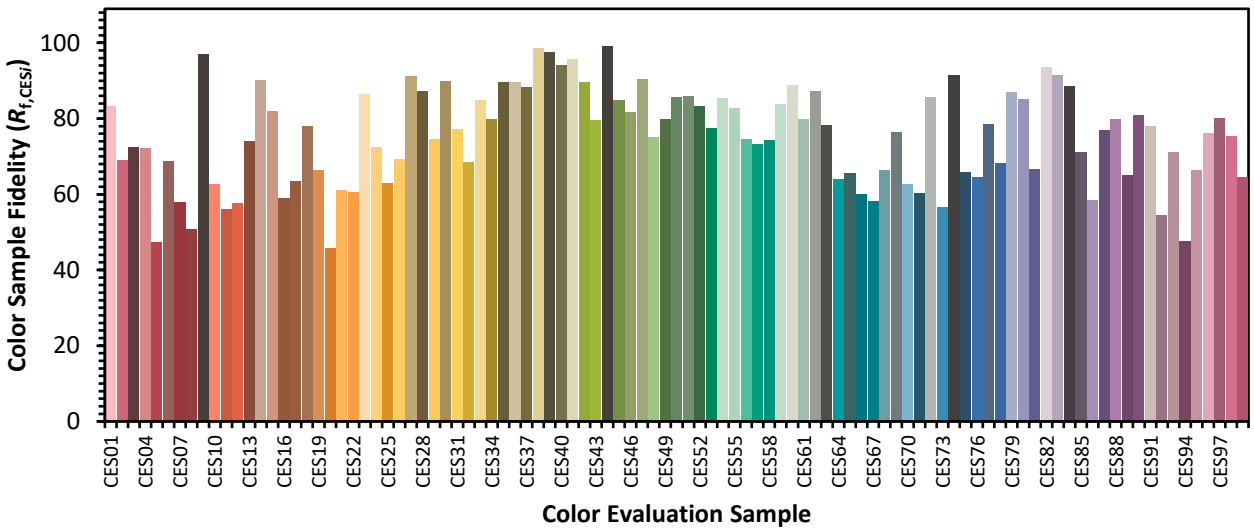
Individual Sample Fidelity Index ($R_{f,i}$)

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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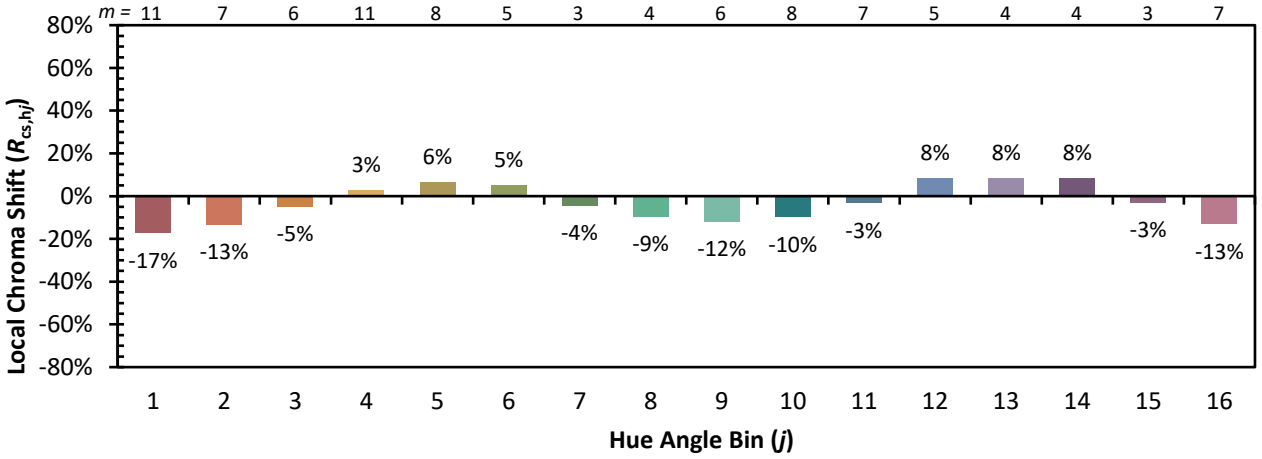
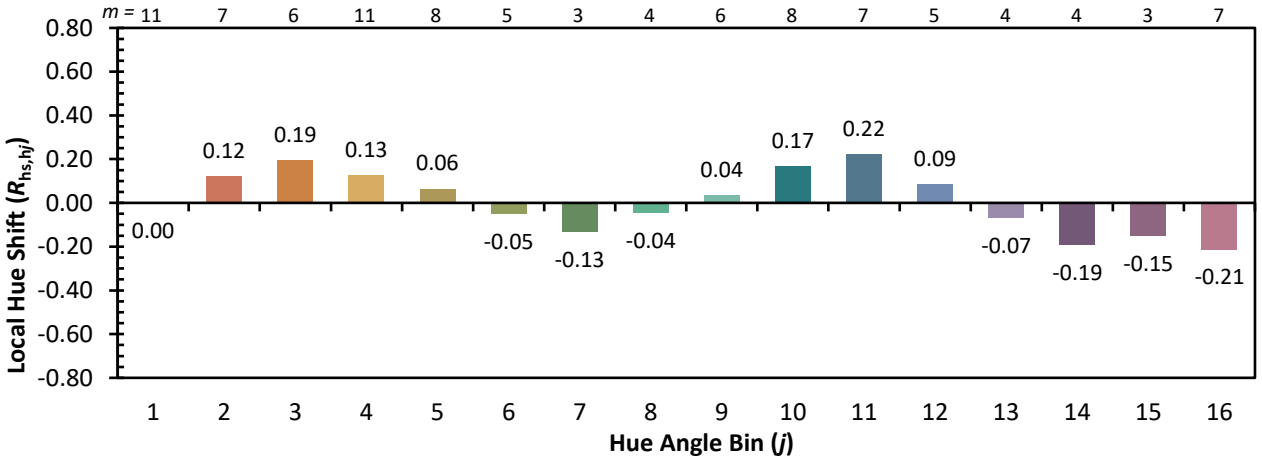
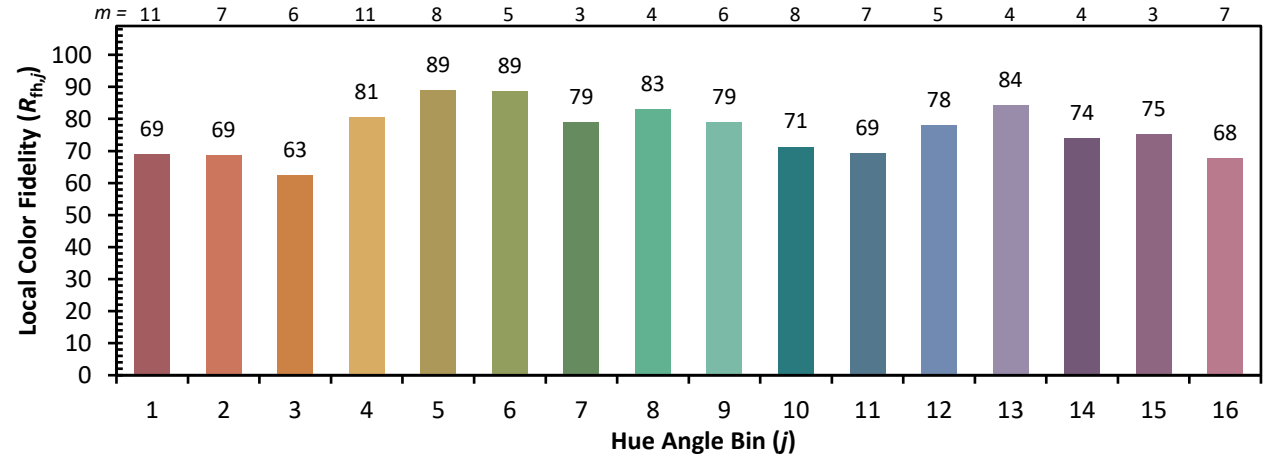
Color Rendition by Hue-Angle Bin







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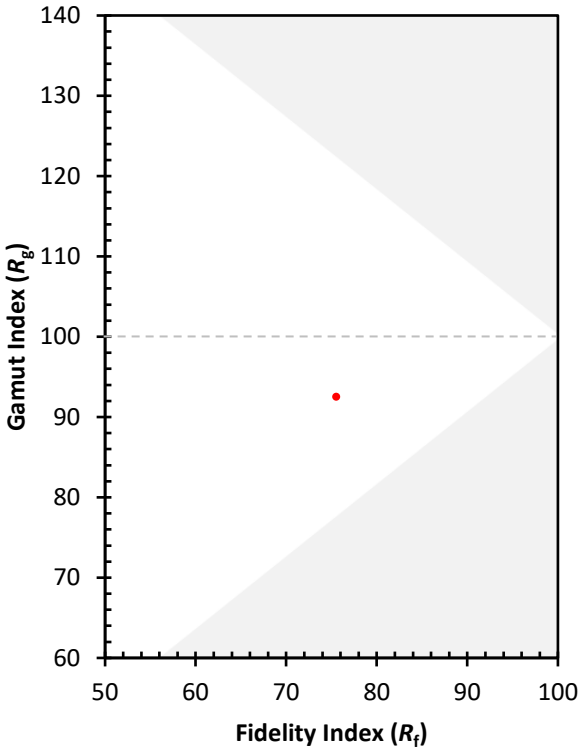
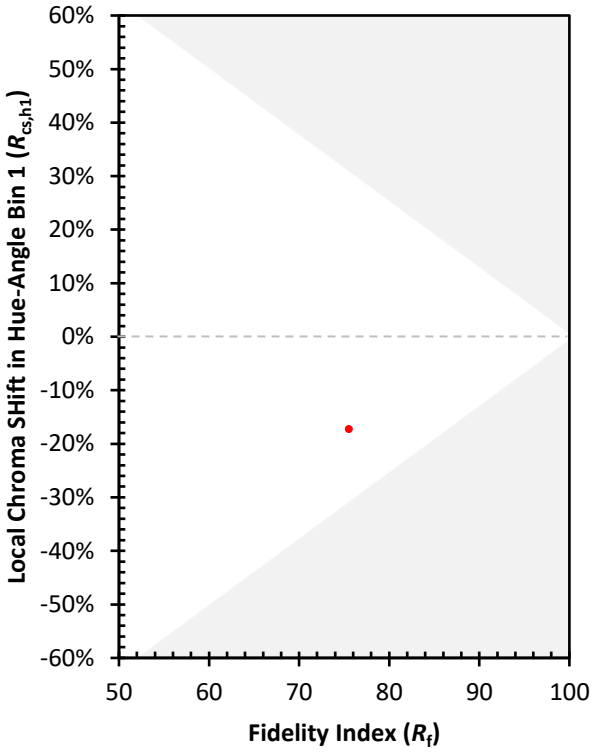
Measure Comparisons





(END OF REPORT)