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: P856153

Luminaire Tested: **FFX-CLB-30-722-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:	P856153
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-722-U-FR-T5-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4161.8 lumens
Efficiency:	N/A
Efficacy:	136.5 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: P856153
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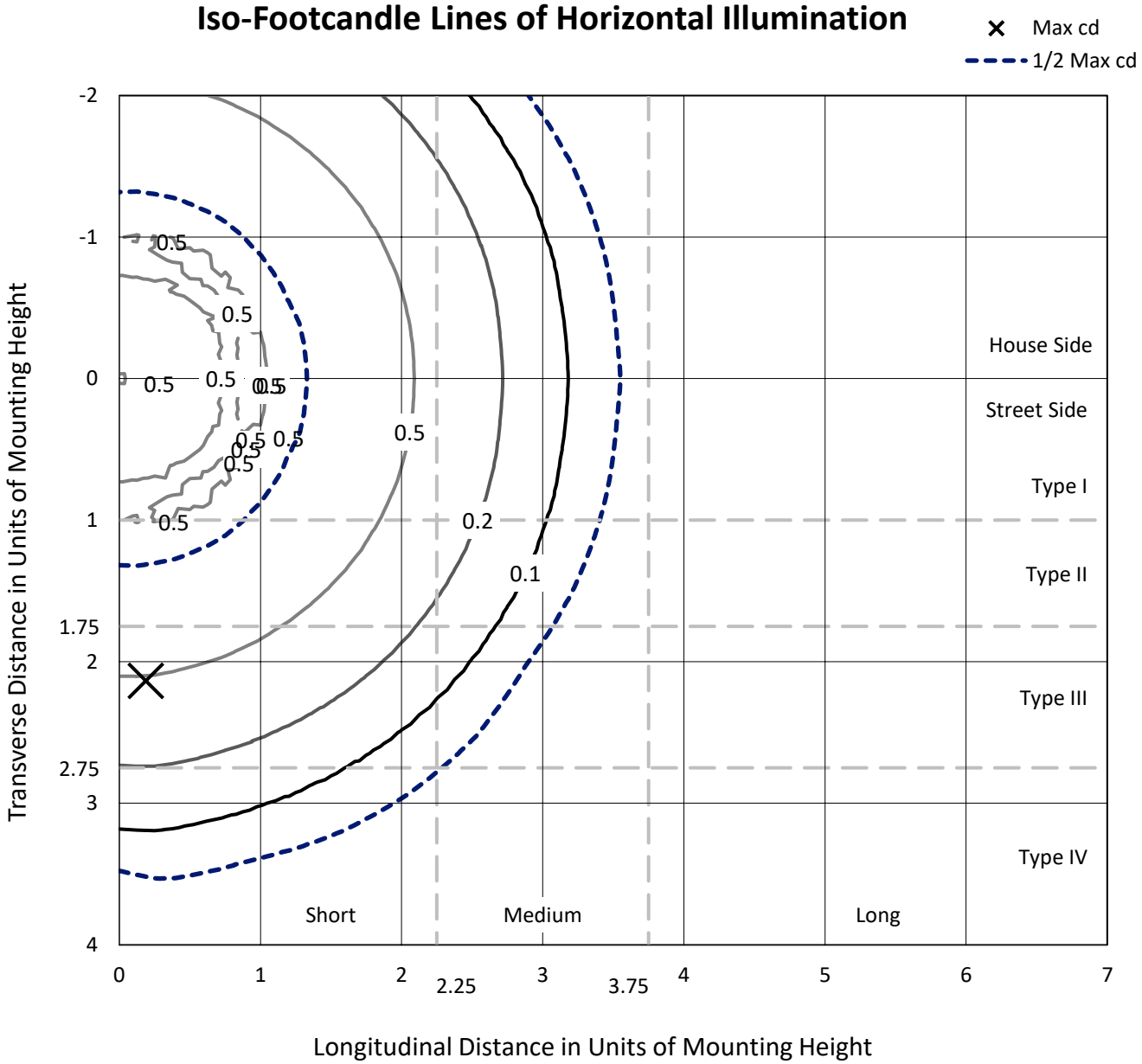
Iso-Footcandle Lines of Horizontal Illumination



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

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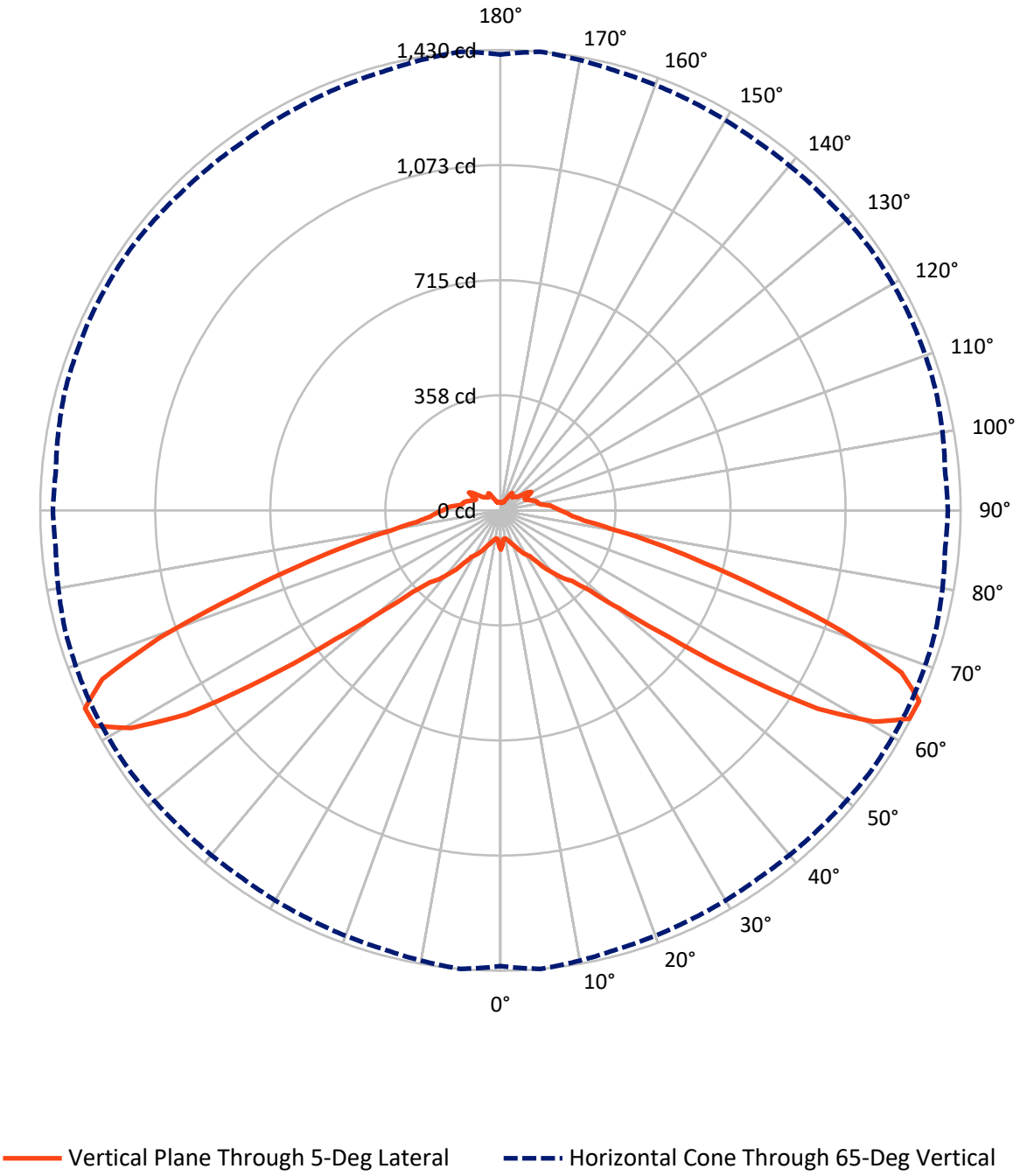
Luminous Intensity Polar Plot



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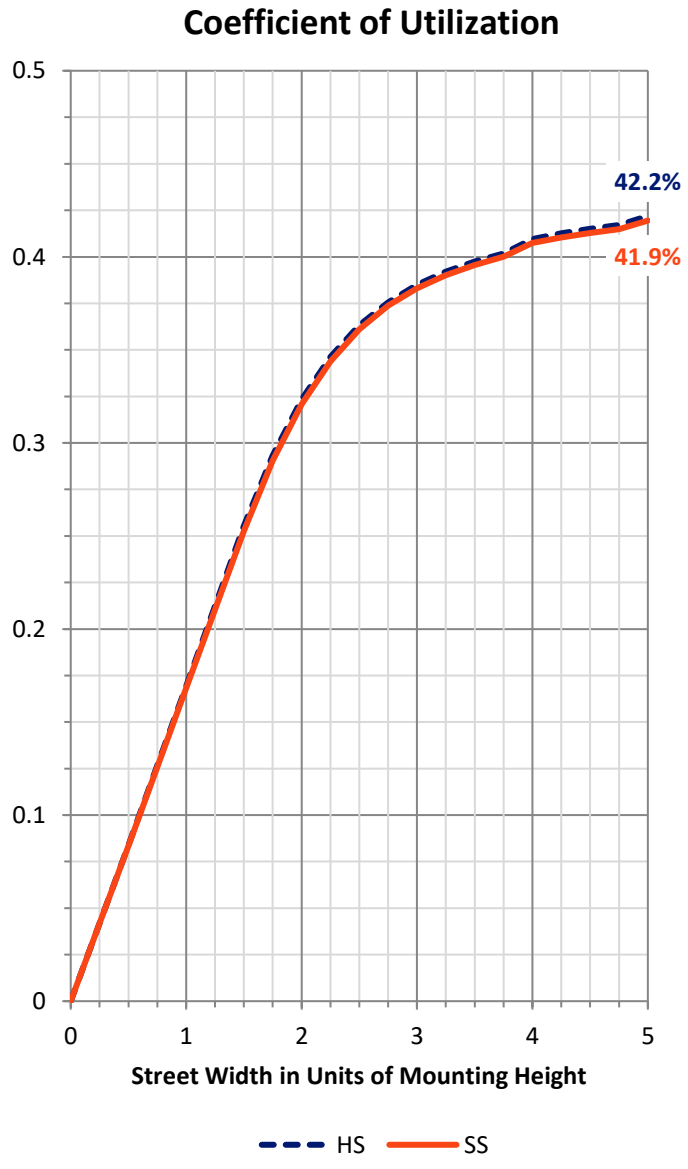
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1817.9	263.0	2080.9
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	1817.9	263.0	2080.9
	% Fixture	43.7	6.3	50.0
Total	Lumens	3635.9	525.9	4161.8
	% Fixture	87.4	12.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.2
10°-20°	29.2	0.7
20°-30°	63.3	1.5
30°-40°	128.3	3.1
40°-50°	258.7	6.2
50°-60°	822.4	19.8
60°-70°	1326.3	31.9
70°-80°	723.3	17.4
80°-90°	275.4	6.6
90°-100°	165.3	4.0
100°-110°	105.4	2.5
110°-120°	80.2	1.9
120°-130°	67.8	1.6
130°-140°	44.2	1.1
140°-150°	37.0	0.9
150°-160°	16.6	0.4
160°-170°	7.0	0.2
170°-180°	2.4	0.1
0°-90°	3635.9	87.4
0°-180°	4161.8	100.0



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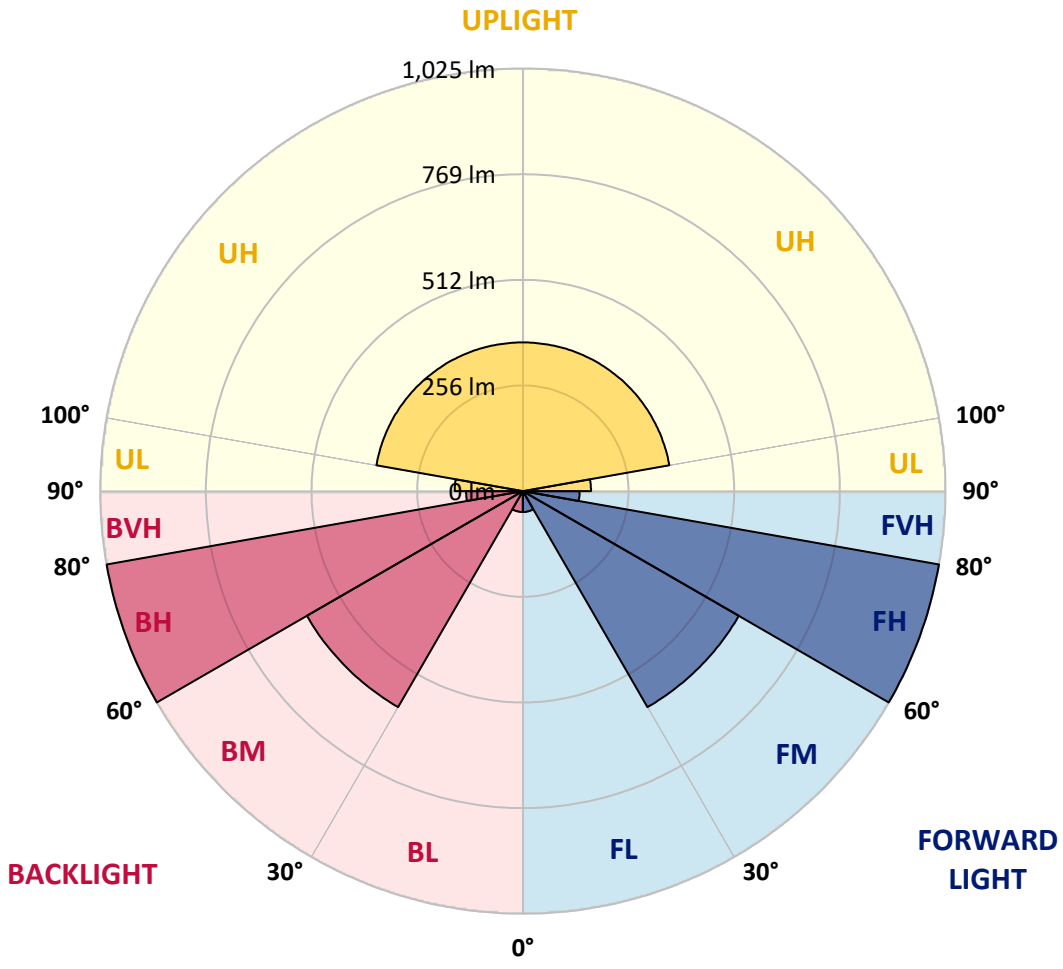
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	50.7	1.2			
FM	(30°-60°)	604.7	14.5			
FH	(60°-80°)	1024.8	24.6			G1/1800
FVH	(80°-90°)	137.7	3.3			G2/225
BL	(0°-30°)	50.7	1.2	B0/110		
BM	(30°-60°)	604.7	14.5	B1/1000		
BH	(60°-80°)	1024.8	24.6	B3/2500		G1/1800
BVH	(80°-90°)	137.7	3.3			G2/225
UL	(90°-100°)	165.3	4.0		U3/500	
UH	(100°-180°)	360.7	8.7		U3/500	

BUG Rating: B3-U3-G2
Type V Short



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REPORT NUMBER: P856153
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1
2.5°	109.1	110.8	106.1	102.1	100.4	100.8	104.7	108.7	104.7	106.1	106.1
5°	90.4	90.8	90.8	90.0	91.3	88.7	85.6	85.6	88.7	92.1	92.1
7.5°	87.4	88.7	92.1	92.1	93.4	89.1	84.8	85.2	89.5	94.8	96.1
10°	90.0	90.0	89.1	90.0	93.0	92.6	87.8	85.6	88.7	93.9	95.6
12.5°	93.9	93.9	96.5	100.4	100.8	96.9	92.1	91.7	95.2	98.7	98.7
15°	99.5	100.0	101.3	100.8	102.1	100.8	99.5	100.4	102.6	102.6	102.6
17.5°	106.9	106.9	106.9	106.9	106.9	107.4	107.8	107.8	107.8	108.7	108.7
20°	115.2	115.2	114.7	114.3	114.3	114.7	115.2	115.2	115.2	116.0	116.0
22.5°	125.6	125.2	124.3	124.3	124.3	124.7	123.9	123.4	123.0	123.4	123.4
25°	137.8	137.8	136.9	135.6	135.6	135.2	133.9	133.4	133.0	133.9	133.4
27.5°	149.9	149.9	148.6	146.9	146.9	146.9	146.0	145.2	144.3	144.7	144.7
30°	161.3	160.4	159.9	158.6	158.2	158.6	157.8	157.8	156.0	155.6	156.5
32.5°	171.7	170.8	171.7	170.4	169.1	170.4	169.9	169.9	167.3	166.5	167.3
35°	200.4	198.2	199.9	196.9	195.2	195.6	196.5	198.2	195.6	194.3	194.7
37.5°	231.2	230.8	236.4	241.2	240.4	233.0	228.2	229.1	232.5	237.3	237.3
40°	259.9	259.0	260.3	258.6	258.6	257.7	257.3	259.5	252.5	250.8	249.5
42.5°	289.9	289.5	282.1	271.6	269.5	278.2	282.1	285.1	275.1	271.6	269.0
45°	319.5	313.4	312.1	308.6	305.1	310.8	310.3	312.5	307.7	307.3	305.1
47.5°	381.6	370.3	366.4	366.8	359.4	365.5	368.1	375.1	365.1	365.5	365.1
50°	493.7	479.4	485.9	481.6	473.8	481.1	480.7	493.3	476.8	482.9	480.3
52.5°	668.9	649.3	653.3	650.7	642.8	658.0	661.5	680.2	648.5	656.3	654.1
55°	922.3	901.0	909.7	878.4	870.1	900.1	911.4	933.2	891.0	895.4	893.2
57.5°	1164.0	1162.7	1177.4	1155.3	1147.9	1169.2	1158.7	1177.9	1155.3	1171.3	1166.1
60°	1328.7	1332.2	1346.9	1353.5	1340.4	1351.7	1326.5	1340.9	1333.9	1357.4	1355.2
62.5°	1414.3	1425.6	1416.9	1417.4	1403.0	1411.7	1406.9	1415.2	1413.4	1415.6	1413.4
65°	1416.0	1430.0	1410.8	1402.1	1396.1	1399.5	1407.8	1407.8	1402.6	1386.9	1390.4
67.5°	1323.5	1344.3	1323.0	1310.9	1314.3	1313.0	1318.7	1311.3	1308.3	1285.2	1285.7
70°	1095.7	1129.2	1097.9	1086.6	1095.7	1101.4	1100.9	1094.9	1090.1	1061.4	1069.6
72.5°	831.9	861.5	833.6	829.3	838.0	846.7	839.3	846.7	838.9	825.8	829.7
75°	628.1	653.3	653.3	669.8	672.4	667.6	647.2	655.4	660.6	661.1	665.0
77.5°	462.0	488.5	502.4	529.4	528.1	519.8	495.1	504.6	514.6	521.6	526.3
80°	328.6	348.6	369.0	388.1	390.7	383.8	368.6	374.2	380.3	385.1	387.7
82.5°	254.7	263.8	259.9	257.7	261.2	271.2	274.7	278.2	269.5	263.8	266.0
85°	222.1	223.0	229.9	234.7	236.0	236.0	232.5	235.1	237.3	243.0	243.0
87.5°	202.5	203.4	220.8	225.6	227.3	225.1	220.8	222.5	224.3	227.8	227.8
90°	179.9	182.5	199.9	203.8	205.6	202.1	200.8	202.1	199.9	201.2	201.2
92.5°	167.3	167.3	175.6	173.9	173.4	173.9	174.3	175.6	173.4	172.6	172.6
95°	153.0	155.2	153.0	154.7	154.3	152.1	151.3	152.1	150.8	150.8	151.7
97.5°	128.2	128.7	124.7	126.0	126.0	124.3	122.1	123.0	121.7	122.6	123.0
100°	120.0	118.7	112.1	111.3	110.8	109.5	108.2	108.2	107.8	107.4	107.8
102.5°	117.4	117.4	108.7	106.9	106.1	103.9	102.1	102.1	102.1	102.1	102.6
105°	107.4	110.4	103.9	102.6	101.3	98.7	96.1	95.6	96.5	95.6	96.9
107.5°	97.4	100.0	96.5	96.5	95.2	92.6	90.8	90.4	90.8	90.0	90.8
110°	91.7	93.0	89.1	89.1	88.2	86.1	85.6	85.2	85.2	83.9	84.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	84.8	*84.8*	81.7	80.8	80.8	79.5	79.1	78.7	78.7	78.7	79.1
115°	84.3	*83.9*	79.1	76.1	75.6	75.2	75.6	75.2	75.2	74.8	74.8
117.5°	103.0	*98.7*	82.6	75.2	75.2	75.6	77.4	76.1	73.0	73.0	72.6
120°	111.3	*112.1*	95.2	87.4	85.6	83.5	83.0	82.1	79.1	78.7	80.4
122.5°	98.2	*102.6*	92.1	89.1	87.4	84.8	83.0	82.6	82.6	80.4	83.5
125°	76.5	*80.4*	75.2	74.8	74.3	74.8	73.9	73.9	74.8	73.5	73.9
127.5°	65.6	*67.4*	65.2	65.2	64.8	64.3	63.5	63.9	63.5	63.9	64.3
130°	63.0	*64.3*	62.2	61.3	61.3	61.7	61.7	61.7	60.4	59.5	60.0
132.5°	62.6	*62.2*	58.7	56.9	56.9	60.0	61.3	61.3	58.2	56.1	56.1
135°	56.5	*56.9*	56.5	54.3	54.8	55.6	56.9	57.4	54.3	53.0	53.5
137.5°	54.3	*55.6*	56.1	55.2	55.2	54.3	53.9	54.3	53.5	53.9	53.9
140°	54.3	*54.8*	56.1	56.9	56.1	55.2	55.2	55.2	55.6	56.9	57.8
142.5°	55.6	*56.1*	55.6	55.2	56.5	58.7	60.4	60.4	59.1	58.2	58.7
145°	63.9	*65.2*	65.2	63.9	64.8	63.9	63.9	63.0	63.0	63.0	63.5
147.5°	60.8	*60.4*	61.3	62.6	61.3	60.8	60.8	61.3	62.2	62.6	63.0
150°	47.8	*46.5*	47.4	50.0	49.5	49.5	49.5	50.0	50.4	50.4	50.9
152.5°	37.8	*37.8*	38.7	38.7	39.1	39.1	38.7	38.7	38.7	39.1	39.1
155°	33.9	*33.5*	34.3	35.6	34.8	34.8	34.8	34.8	34.8	34.8	35.2
157.5°	29.6	*29.1*	29.1	29.6	29.6	29.6	29.6	30.0	30.0	29.6	30.0
160°	26.9	*26.9*	26.5	26.5	26.5	26.9	27.4	27.4	26.9	26.5	26.5
162.5°	25.6	*25.6*	24.8	24.3	24.3	24.8	25.6	25.6	24.8	24.3	24.3
165°	25.6	*25.2*	23.9	23.0	23.0	23.9	25.2	25.2	23.9	23.0	23.0
167.5°	25.2	*25.2*	24.3	23.5	23.5	24.3	24.8	25.2	24.8	23.9	23.5
170°	24.3	*24.3*	24.8	24.8	24.3	24.3	24.3	24.3	24.8	24.8	24.8
172.5°	25.2	*24.8*	25.2	25.6	25.6	25.2	24.8	24.8	25.2	25.6	25.6
175°	25.6	*25.6*	25.2	25.2	25.2	24.8	24.8	24.8	25.2	25.6	25.2
177.5°	23.0	*23.0*	22.6	23.0	23.0	23.0	22.6	23.0	23.0	23.0	23.5
180°	21.7	*21.7*	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7

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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: SP1-2406-133-2

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.03

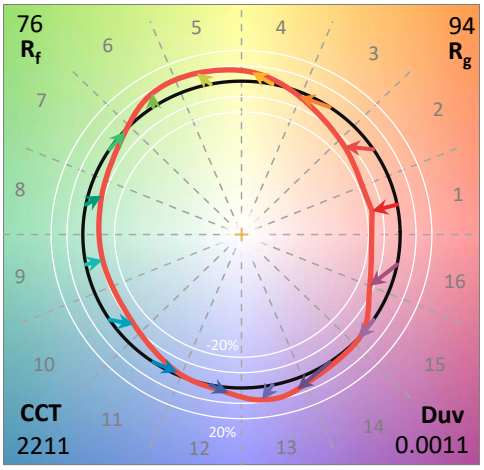
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2406-133-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2211	CRI (Ra):	71.4		
CIE u':	0.2892	R1:	68.2	R9:	-29.2
CIE v':	0.5376	R2:	85.0	R10:	67.8
Duv:	0.0011	R3:	94.0	R11:	60.7
CIE x:	0.5069	R4:	65.1	R12:	59.0
CIE y:	0.4188	R5:	66.6	R13:	71.3
CIE z:	0.0743	R6:	81.8	R14:	97.6
Peak Wavelength (nm):	606	R7:	73.4	R15:	58.9
Dominant Wavelength (nm):	586	R8:	37.3		
Purity:	77.8805				
Rf:	76.1				
Rg:	94.3				



Test Conditions

Stabilization Time:	0.813563M
Operation Time:	1H
Sphere Temperature (°C):	24.7

Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: SP1-2406-133-2

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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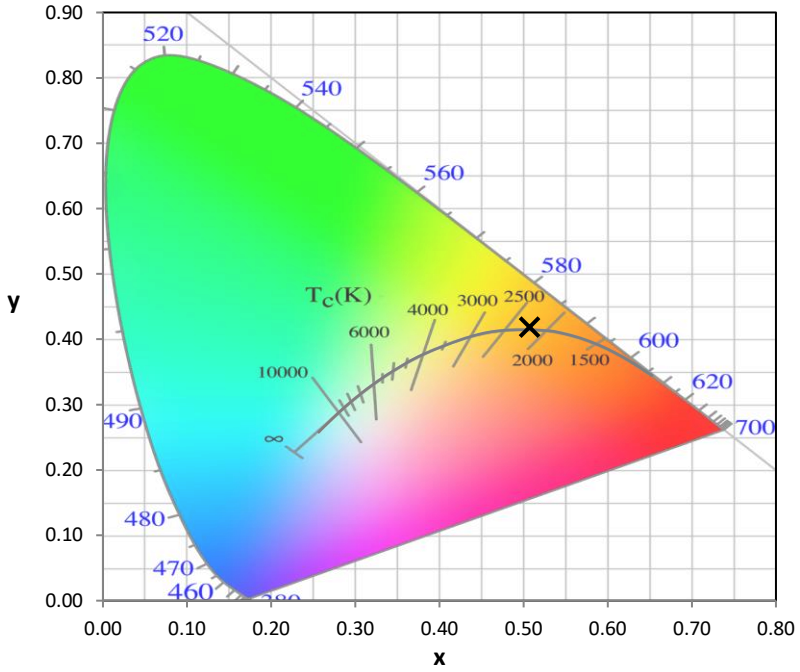
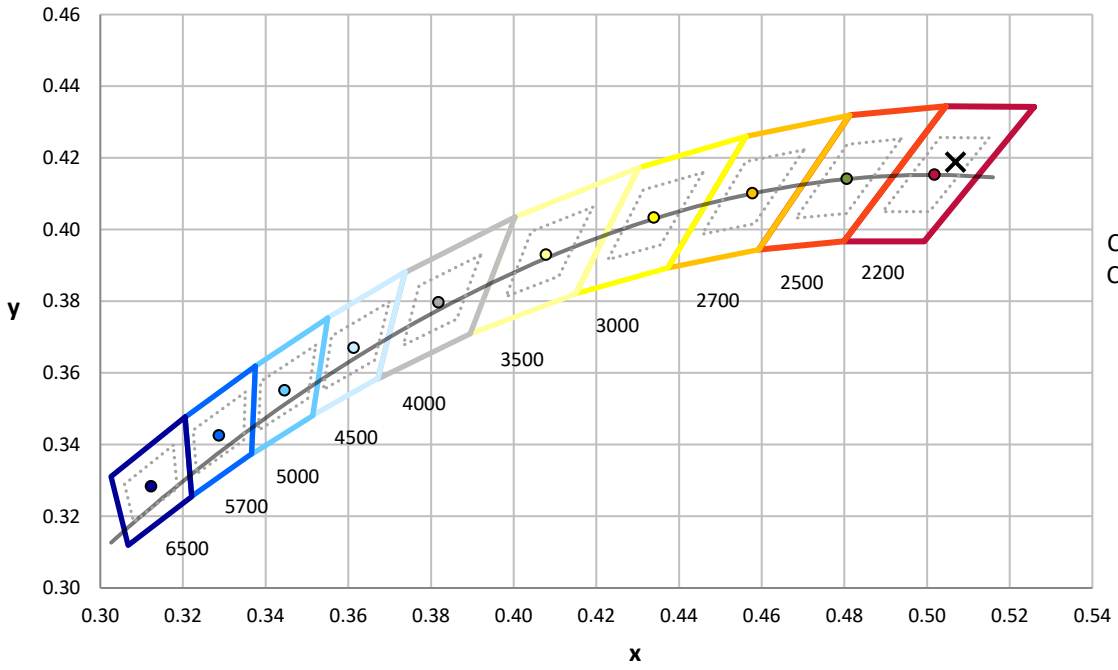
CIE 1931 Chromaticity Diagram



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



CCT = 2211K
CIE x = 0.5069
CIE y = 0.4188
Duv = 0.0011

Point lies inside the ANSI 2200K 4-step quadrangle

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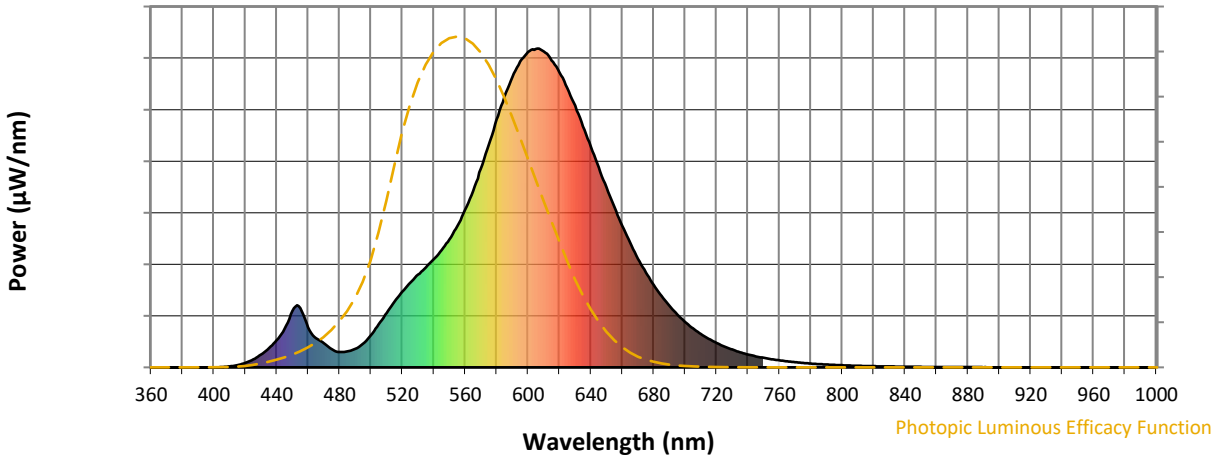
Photopic Flux vs. Wavelength



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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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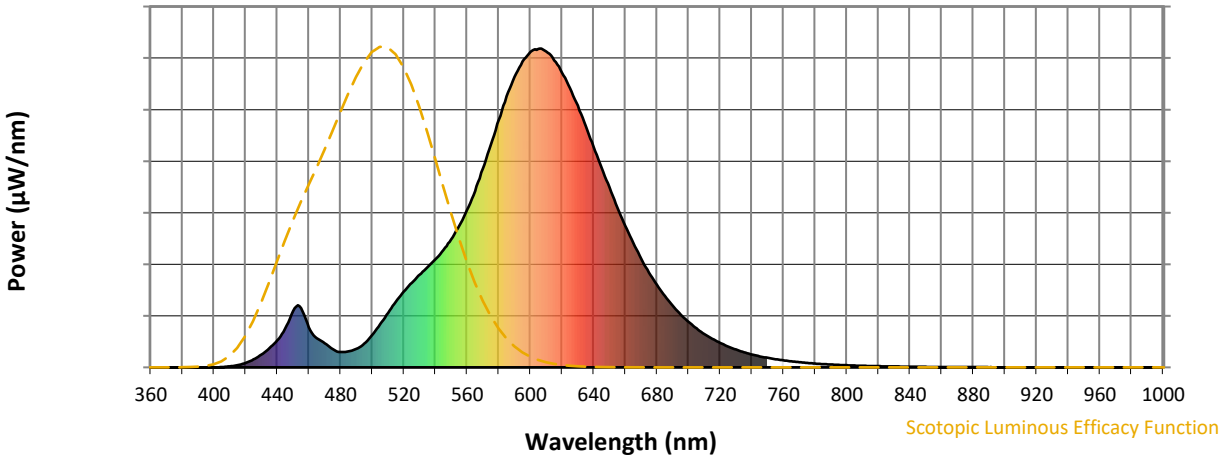
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.87**

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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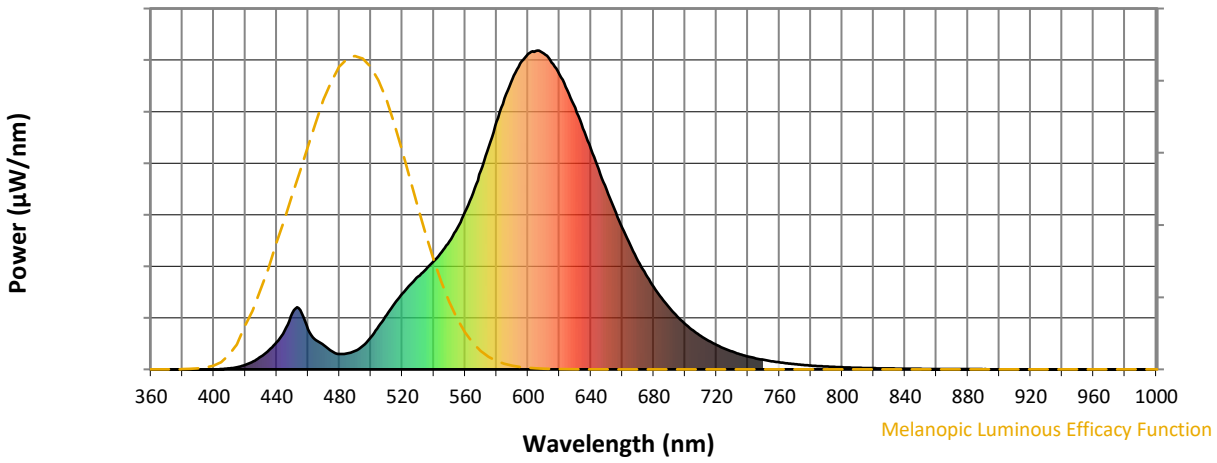
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.42**

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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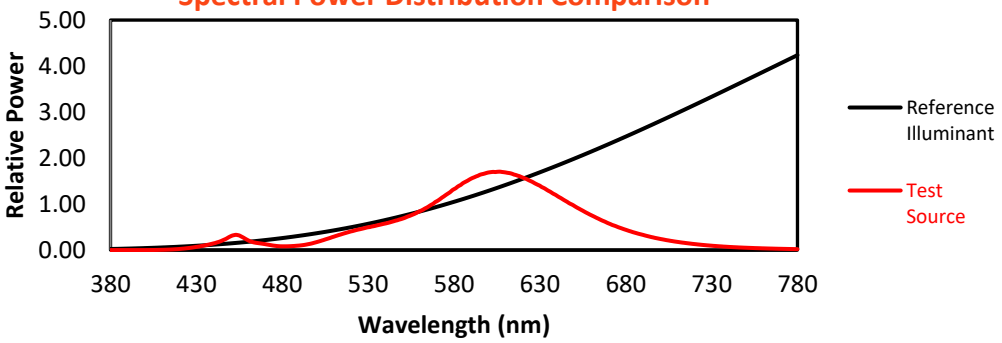
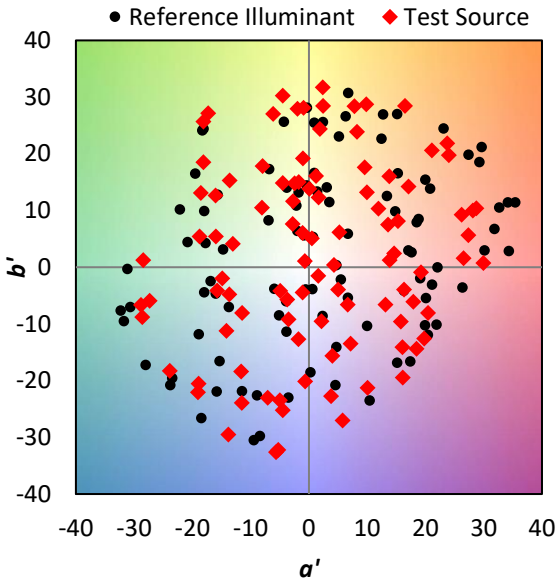
Summary

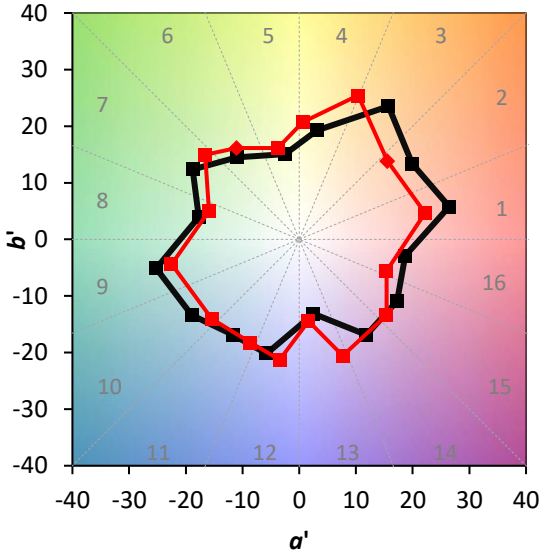
R_f = 76.1
R_g = 94.3
CIE R_a = 71.4
R_9 = -29.2

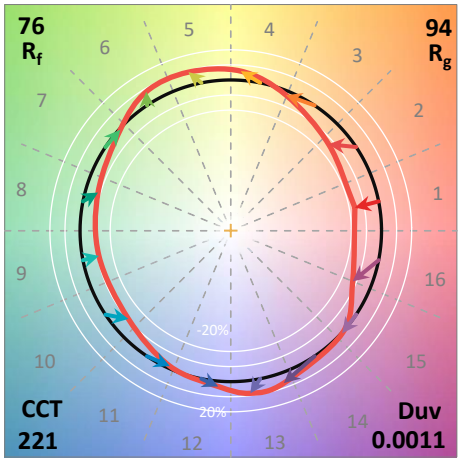
Spectral Power Distribution Comparison

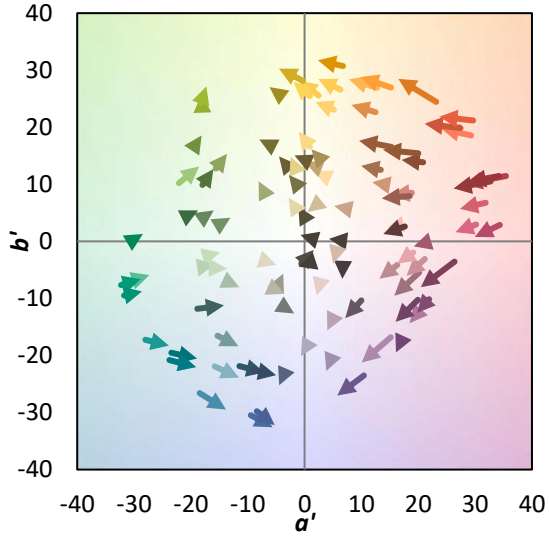


Color Vector Graphics









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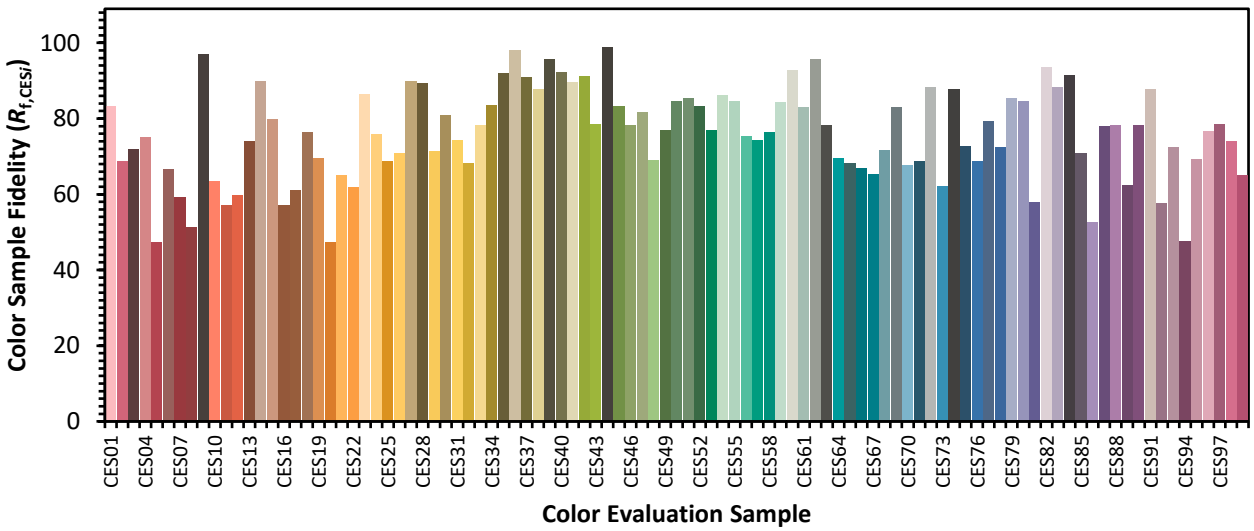
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 93
CES08 = 42	CES33 = 78	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 84	CES59 = 84	CES84 = 92
CES10 = 79	CES35 = 92	CES60 = 93	CES85 = 71
CES11 = 62	CES36 = 98	CES61 = 83	CES86 = 53
CES12 = 68	CES37 = 91	CES62 = 96	CES87 = 78
CES13 = 45	CES38 = 88	CES63 = 78	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 69	CES89 = 63
CES15 = 72	CES40 = 92	CES65 = 68	CES90 = 78
CES16 = 49	CES41 = 90	CES66 = 67	CES91 = 88
CES17 = 51	CES42 = 91	CES67 = 65	CES92 = 58
CES18 = 57	CES43 = 79	CES68 = 72	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 68	CES45 = 83	CES70 = 68	CES95 = 69
CES21 = 88	CES46 = 78	CES71 = 69	CES96 = 77
CES22 = 81	CES47 = 82	CES72 = 88	CES97 = 79
CES23 = 92	CES48 = 69	CES73 = 62	CES98 = 74
CES24 = 92	CES49 = 77	CES74 = 88	CES99 = 65
CES25 = 74	CES50 = 85	CES75 = 73	



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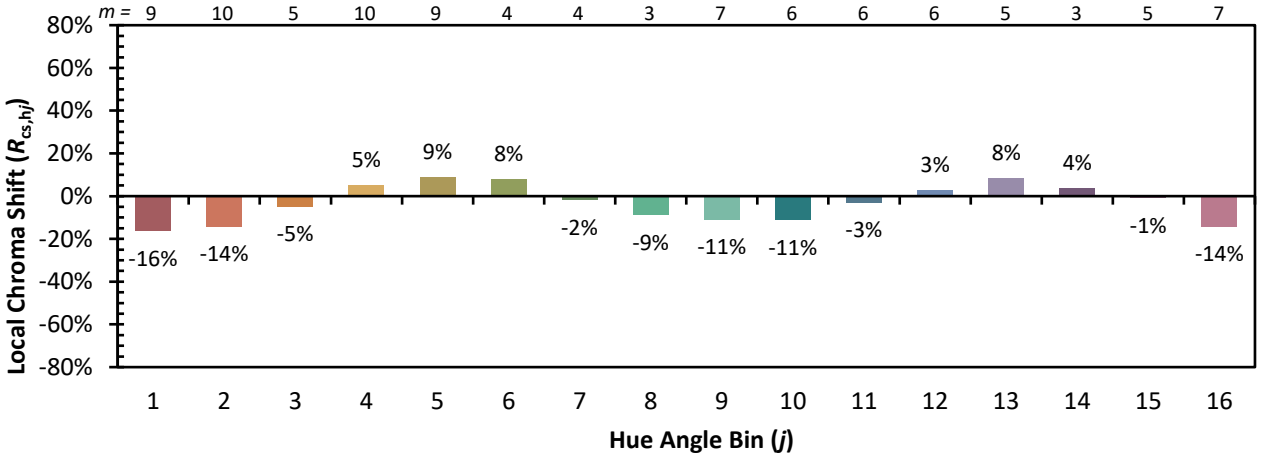
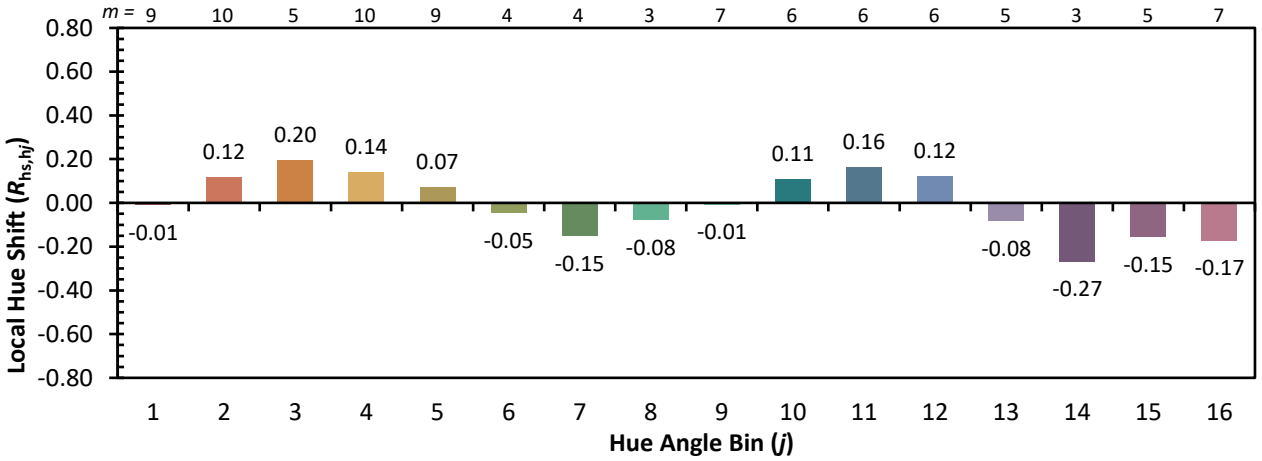
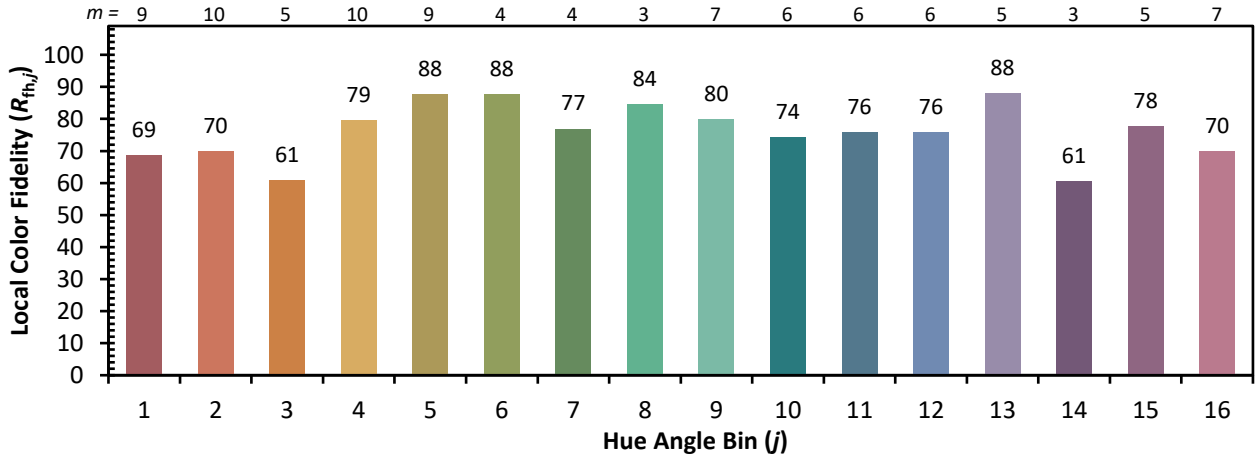
Color Rendition by Hue-Angle Bin







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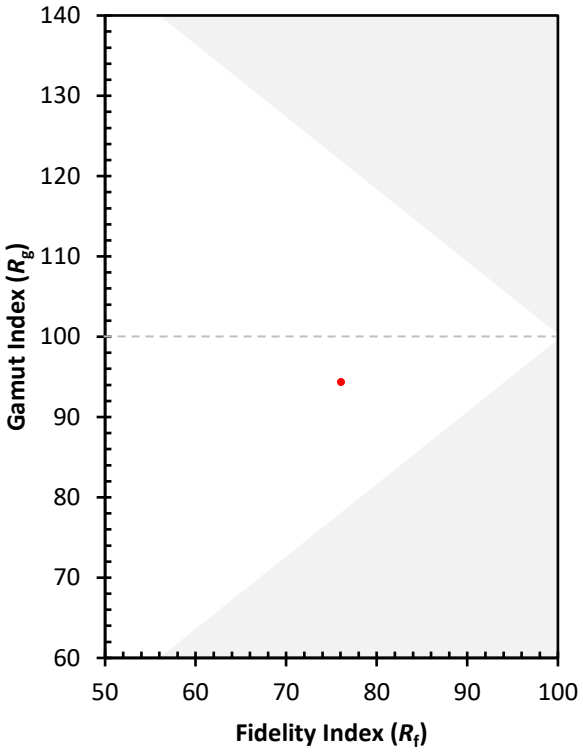
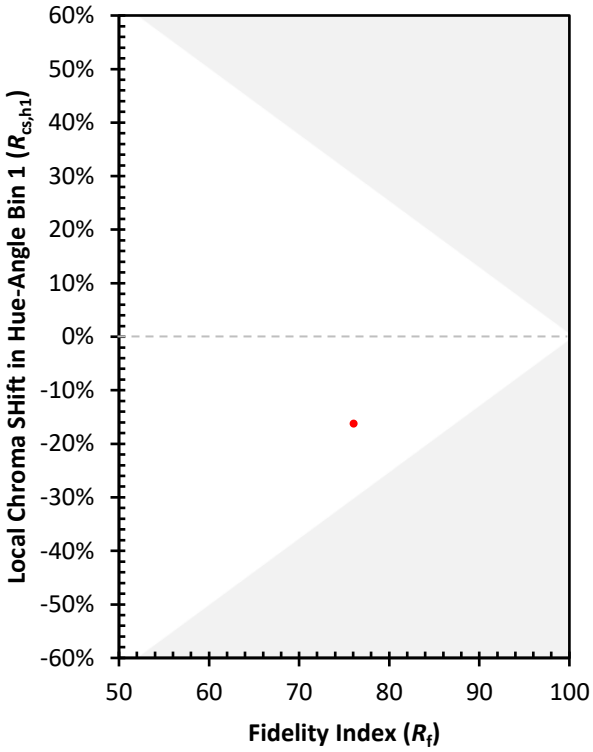
Measure Comparisons





(END OF REPORT)