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: P856360

Luminaire Tested: **FFX-CLB-30-740-U-VM8**

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:	P856360
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-740-U-VM8
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5060.3 lumens
Efficiency:	N/A
Efficacy:	165.9 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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REPORT NUMBER: P856360
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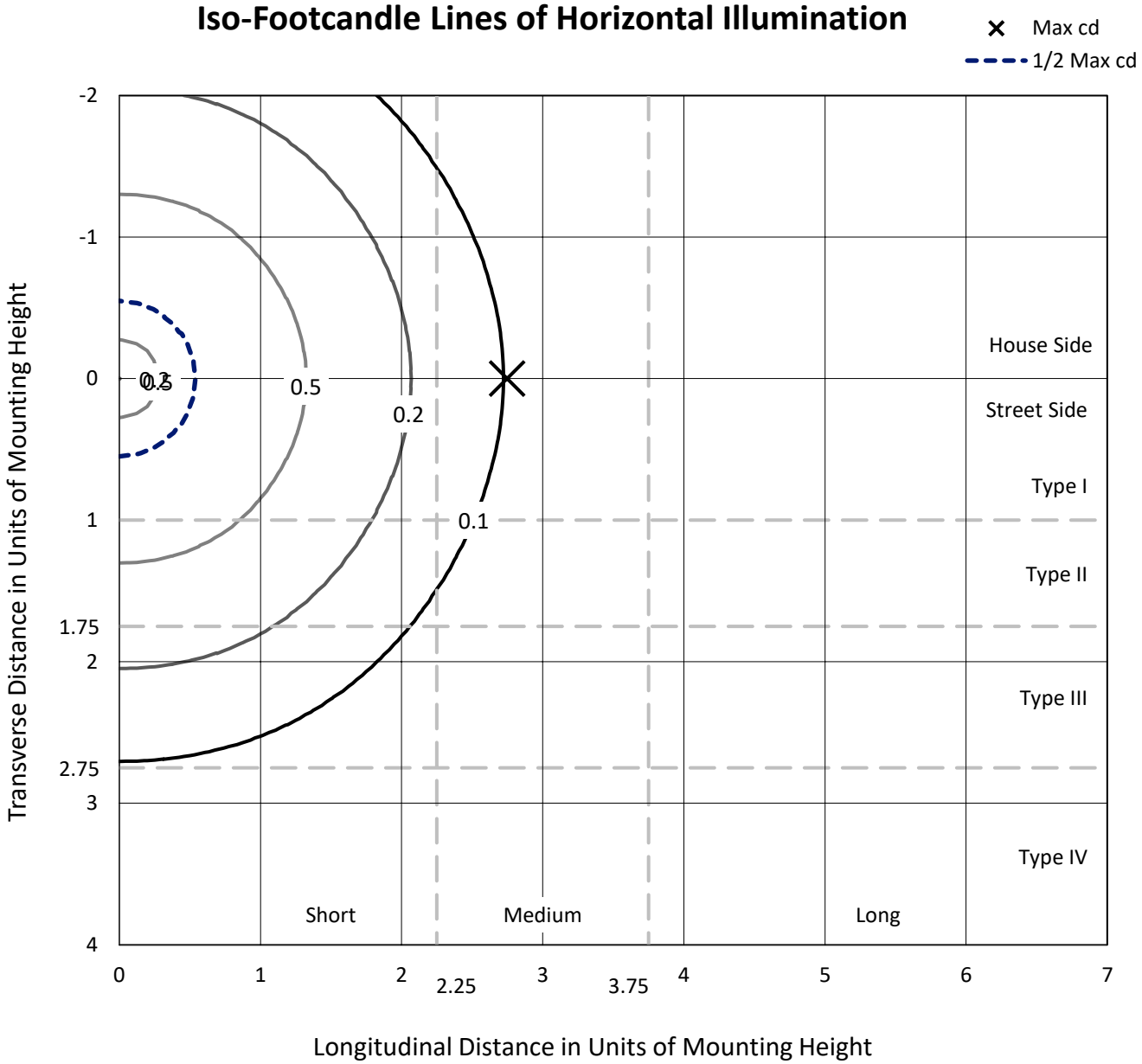
Iso-Footcandle Lines of Horizontal Illumination



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

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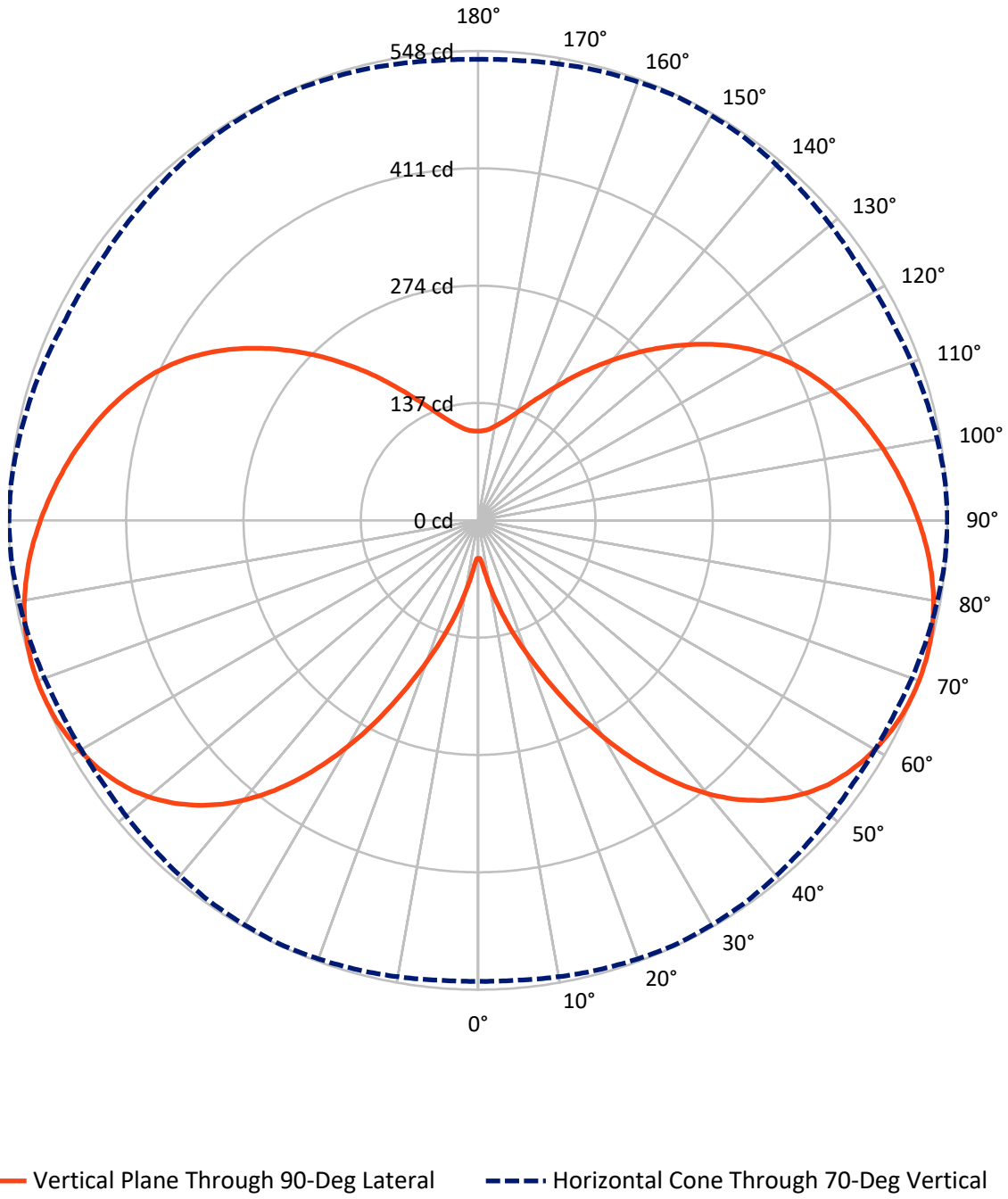
Luminous Intensity Polar Plot



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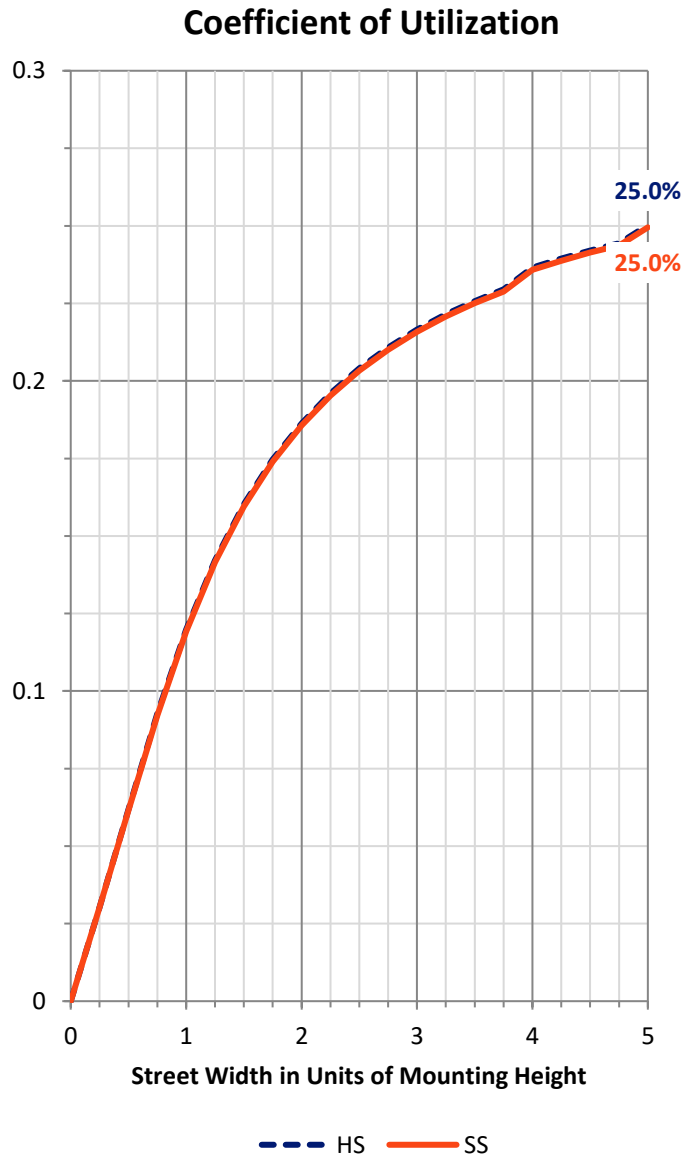
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1433.0	1097.1	2530.2
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	1433.0	1097.1	2530.2
	% Fixture	28.3	21.7	50.0
Total	Lumens	2866.1	2194.3	5060.3
	% Fixture	56.6	43.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	36.2	0.7
20°-30°	108.1	2.1
30°-40°	226.0	4.5
40°-50°	354.7	7.0
50°-60°	460.4	9.1
60°-70°	533.0	10.5
70°-80°	570.6	11.3
80°-90°	571.0	11.3
90°-100°	538.5	10.6
100°-110°	481.9	9.5
110°-120°	405.2	8.0
120°-130°	310.8	6.1
130°-140°	212.6	4.2
140°-150°	129.7	2.6
150°-160°	70.9	1.4
160°-170°	34.4	0.7
170°-180°	10.2	0.2
0°-90°	2866.1	56.6
0°-180°	5060.3	100.0



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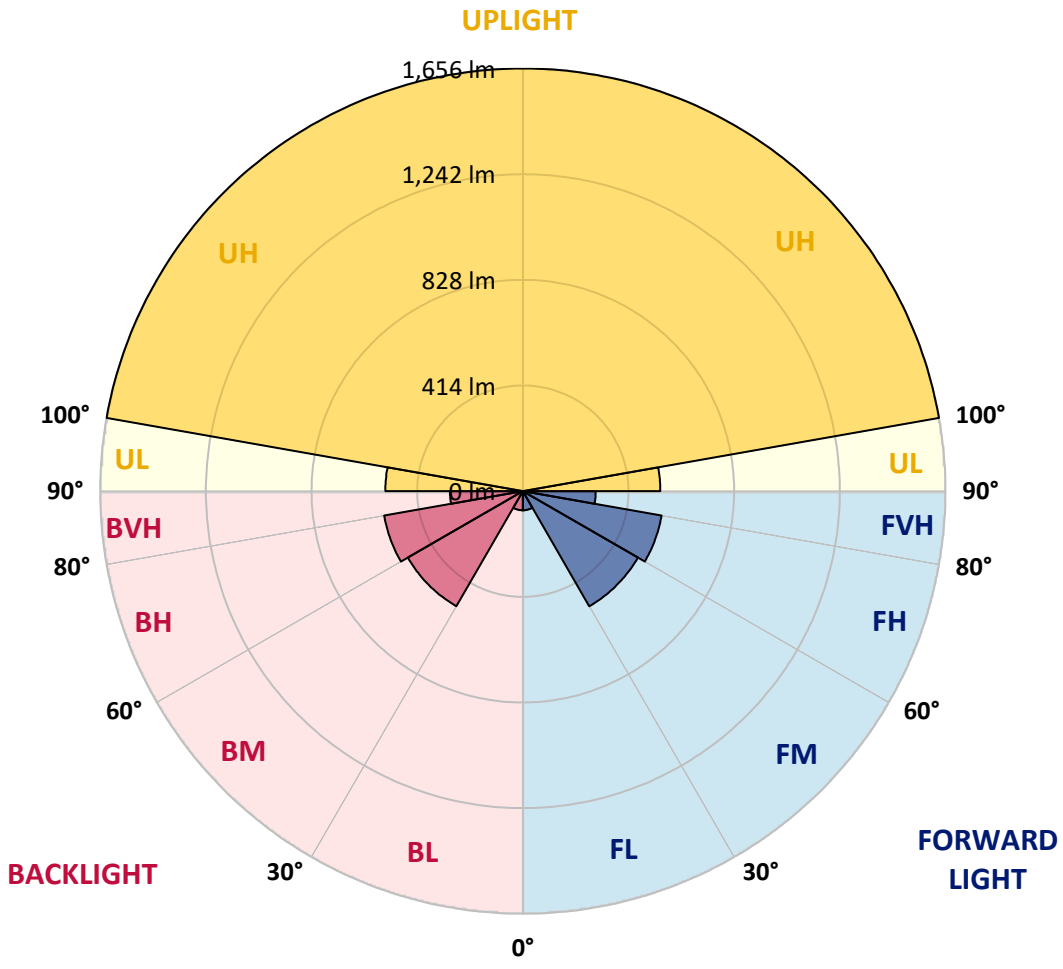
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	75.1	1.5			
FM	(30°-60°)	520.6	10.3			
FH	(60°-80°)	551.8	10.9			G0/660
FVH	(80°-90°)	285.5	5.6			G3/500
BL	(0°-30°)	75.1	1.5	B0/110		
BM	(30°-60°)	520.6	10.3	B1/1000		
BH	(60°-80°)	551.8	10.9	B2/1000		G0/660
BVH	(80°-90°)	285.5	5.6			G3/500
UL	(90°-100°)	538.5	10.6		U4/1000	
UH	(100°-180°)	1655.7	32.7		U5	

BUG Rating: B2-U5-G3
Type V Short



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REPORT NUMBER: P856360
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	*44.4*
2.5°	46.4	46.4	46.1	46.1	45.7	45.4	45.4	45.4	45.1	45.1	*44.8*
5°	52.9	52.5	52.5	52.2	52.5	52.2	52.2	52.2	52.2	51.6	*51.6*
7.5°	65.5	65.2	65.2	64.9	65.5	64.9	64.9	65.2	65.2	64.9	*64.9*
10°	82.1	81.7	81.7	81.1	81.7	81.4	81.4	80.8	81.1	80.8	*81.1*
12.5°	101.8	100.9	100.9	100.5	101.2	100.9	100.5	99.9	100.5	100.2	*100.2*
15°	122.3	122.6	122.3	121.9	122.6	122.6	122.3	121.6	122.3	121.6	*121.9*
17.5°	145.0	145.0	145.0	144.0	145.0	145.3	145.0	144.3	144.6	145.0	*145.0*
20°	169.6	169.6	169.9	169.3	170.9	169.9	169.6	169.3	169.6	169.9	*170.3*
22.5°	196.9	196.9	197.2	196.9	197.8	197.8	197.5	197.5	197.8	198.5	*198.5*
25°	227.0	227.3	227.3	226.4	228.6	229.3	228.6	228.6	229.3	230.3	*230.3*
27.5°	258.1	259.4	258.8	258.8	261.7	262.0	261.7	262.0	263.0	264.0	*264.3*
30°	290.3	291.2	292.5	291.6	294.8	295.1	295.4	295.8	297.1	298.7	*298.7*
32.5°	322.4	323.3	324.0	324.0	328.2	327.9	327.6	328.8	330.8	331.4	*332.4*
35°	354.5	354.5	355.1	355.4	359.7	359.3	360.0	361.0	362.9	364.2	*364.8*
37.5°	383.3	382.7	384.3	385.0	388.2	388.5	388.8	390.5	392.7	394.4	*395.0*
40°	409.6	409.0	410.9	411.9	414.8	414.8	415.4	417.4	420.0	421.6	*421.9*
42.5°	433.0	432.6	434.6	435.9	438.8	438.5	438.1	440.7	443.7	445.6	*446.2*
45°	453.1	452.7	455.3	457.0	459.2	458.6	458.6	460.8	464.1	466.4	*466.7*
47.5°	470.2	470.2	473.2	475.1	477.1	476.1	475.4	477.7	481.0	484.2	*484.5*
50°	485.5	485.2	488.4	490.7	492.3	491.0	490.0	492.3	495.9	499.1	*499.8*
52.5°	497.5	498.1	501.4	504.3	505.6	503.7	502.0	504.3	508.2	511.8	*512.4*
55°	507.9	508.2	511.8	515.3	516.0	513.4	511.4	513.4	517.6	521.5	*522.1*
57.5°	516.0	516.6	520.8	524.1	524.4	521.5	519.2	520.8	525.4	529.3	*530.2*
60°	523.1	523.8	527.7	531.2	531.5	528.0	525.1	526.4	531.2	535.8	*536.4*
62.5°	528.6	529.6	533.8	537.1	537.1	532.8	529.3	530.6	535.8	540.6	*541.3*
65°	533.2	534.1	538.4	541.6	541.3	536.4	532.5	533.8	539.3	544.2	*545.2*
67.5°	536.4	537.1	541.6	544.8	543.5	538.4	534.5	535.4	541.3	546.1	*547.1*
70°	*538.4*	*539.0*	*543.5*	*546.5*	*544.5*	*539.0*	*534.8*	*536.1*	*541.9*	*547.1*	*548.1*
72.5°	539.3	540.3	544.5	547.1	544.8	538.7	534.1	535.8	541.6	547.1	*547.8*
75°	539.0	539.7	543.9	546.1	543.2	537.4	532.5	534.1	540.3	545.2	*546.1*
77.5°	537.4	538.0	541.9	543.9	540.3	534.5	529.9	531.5	537.4	542.2	*543.2*
80°	534.8	535.4	539.0	540.3	536.7	530.9	526.7	528.3	533.8	538.4	*539.3*
82.5°	530.6	531.5	534.8	535.4	531.5	526.4	522.1	523.8	528.9	533.2	*533.8*
85°	525.4	526.0	528.9	529.3	525.4	520.8	517.3	518.9	523.4	526.7	*527.7*
87.5°	519.5	519.5	522.5	522.5	518.2	514.0	511.4	512.7	516.9	519.5	*520.5*
90°	512.4	512.7	514.7	514.4	510.5	506.9	504.6	506.2	509.8	512.1	*512.7*
92.5°	504.6	504.9	506.6	505.9	502.0	499.1	497.2	499.1	502.4	504.0	*504.6*
95°	496.2	496.5	497.8	496.5	492.9	490.7	489.1	491.3	493.9	495.5	*496.2*
97.5°	487.4	487.8	488.7	487.4	483.5	481.6	481.0	482.9	485.5	486.8	*487.4*
100°	478.4	478.4	479.0	477.1	473.8	472.2	471.9	474.1	476.7	478.0	*478.7*
102.5°	468.3	468.6	468.6	466.7	463.4	462.5	462.5	465.1	467.7	468.6	*469.3*
105°	457.9	457.9	457.9	456.3	452.7	452.1	452.4	455.0	457.9	459.2	*459.9*
107.5°	446.6	446.9	446.2	444.6	441.7	441.1	441.7	445.3	447.9	449.2	*449.8*
110°	434.6	434.9	434.6	432.6	430.0	429.7	430.7	434.2	436.8	438.1	*439.1*

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Scaled Data Report

REPORT NUMBER: P856360
CATALOG NUMBER: FFX-CLB-30-740-U-VM8

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	421.9	422.3	421.9	420.3	417.7	417.7	419.0	422.6	425.5	426.5	*427.4*
115°	408.6	409.0	408.3	407.0	404.4	405.1	406.4	409.9	412.8	413.8	*415.1*
117.5°	394.4	394.7	394.4	392.7	390.5	391.1	393.1	396.6	399.2	400.2	*401.5*
120°	378.8	378.8	378.8	377.2	374.9	376.2	378.1	382.0	384.3	385.0	*386.3*
122.5°	362.9	362.3	362.3	361.3	358.7	360.3	362.3	366.1	368.4	368.7	*369.7*
125°	345.4	345.7	344.7	344.1	341.8	343.8	345.4	349.3	351.2	351.6	*352.5*
127.5°	326.6	327.6	326.6	325.6	324.0	325.9	327.9	331.4	333.1	333.4	*334.0*
130°	309.1	309.1	308.1	307.4	305.8	307.8	309.7	313.0	314.6	314.6	*315.2*
132.5°	291.6	290.6	290.3	289.6	287.7	289.9	291.2	294.5	295.8	295.4	*296.1*
135°	272.4	272.4	271.4	271.1	269.5	271.8	273.1	276.0	277.0	276.6	*277.3*
137.5°	254.6	254.6	253.9	253.3	252.3	254.3	255.6	257.8	258.8	257.8	*258.8*
140°	237.1	237.1	236.7	236.1	235.1	237.1	238.0	240.0	241.0	240.0	*240.6*
142.5°	220.9	220.2	219.9	219.6	218.3	220.2	220.9	222.8	223.1	222.5	*223.4*
145°	203.7	204.0	203.7	203.3	202.4	204.0	204.6	206.3	206.6	205.9	*206.9*
147.5°	189.4	188.4	188.7	188.4	187.5	189.1	189.4	190.4	191.0	190.4	*191.0*
150°	175.1	174.5	174.5	174.2	173.5	174.8	175.1	176.1	176.4	175.8	*176.4*
152.5°	162.5	162.2	162.2	161.8	161.2	162.2	162.5	163.1	163.5	162.8	*163.1*
155°	151.1	150.8	150.8	150.5	149.8	150.8	150.8	151.5	151.8	151.5	*151.8*
157.5°	141.1	140.8	140.8	140.8	140.1	140.8	140.8	141.4	141.4	141.1	*141.4*
160°	133.0	132.3	132.6	132.3	131.7	132.3	132.3	132.6	132.6	132.6	*132.6*
162.5°	125.5	125.5	125.5	125.2	124.9	125.2	125.2	125.5	125.5	125.5	*125.2*
165°	119.7	119.7	119.7	119.3	119.0	119.3	119.3	119.3	119.3	119.3	*119.3*
167.5°	114.8	114.5	114.8	114.5	114.2	114.5	114.5	114.5	114.5	114.5	*114.5*
170°	110.6	110.6	110.6	110.6	110.3	110.6	110.6	110.6	110.6	110.6	*110.6*
172.5°	108.0	107.7	107.7	107.7	107.3	107.7	107.3	107.7	107.3	107.7	*107.3*
175°	105.7	105.7	105.7	105.7	105.4	105.4	105.4	105.4	105.4	105.4	*105.4*
177.5°	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	*104.4*
180°	104.1	104.1	104.1	104.1	104.1	104.1	104.1	104.1	104.1	104.1	*104.1*

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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

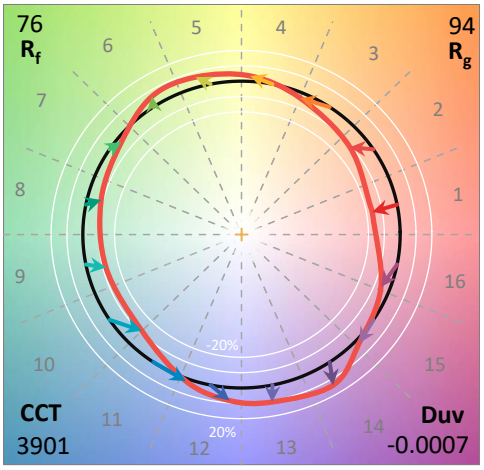
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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	CRI (Ra):	74.5		
CIE u':	0.2273	R1:	71.8	R9:	-23.4
CIE v':	0.5026	R2:	81.9	R10:	56.6
Duv:	-0.0007	R3:	89.3	R11:	68.4
CIE x:	0.3844	R4:	72.6	R12:	46.6
CIE y:	0.3776	R5:	71.3	R13:	73.7
CIE z:	0.2380	R6:	74.0	R14:	93.9
Peak Wavelength (nm):	451	R7:	81.5	R15:	65.1
Dominant Wavelength (nm):	579	R8:	53.3		
Purity:	28.6799				
Rf:	76.2				
Rg:	94.4				



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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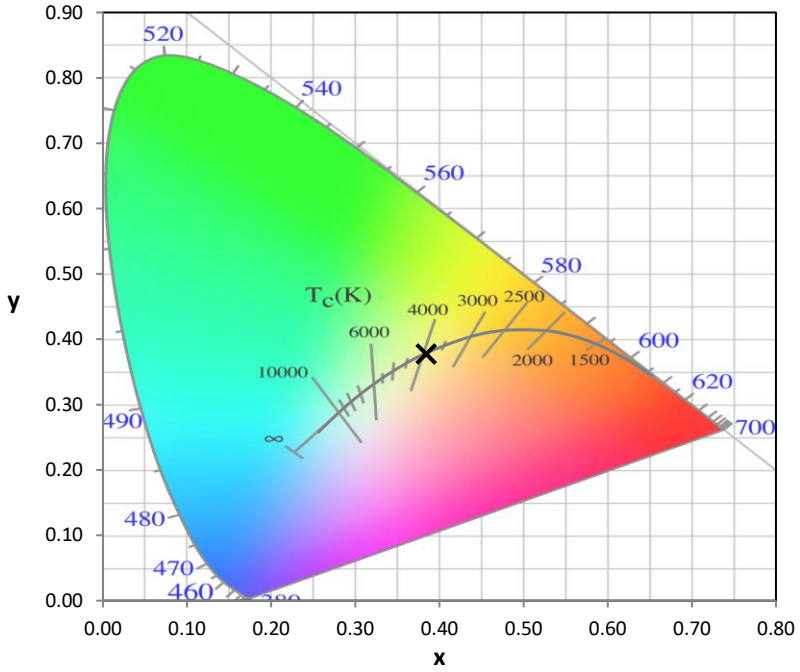
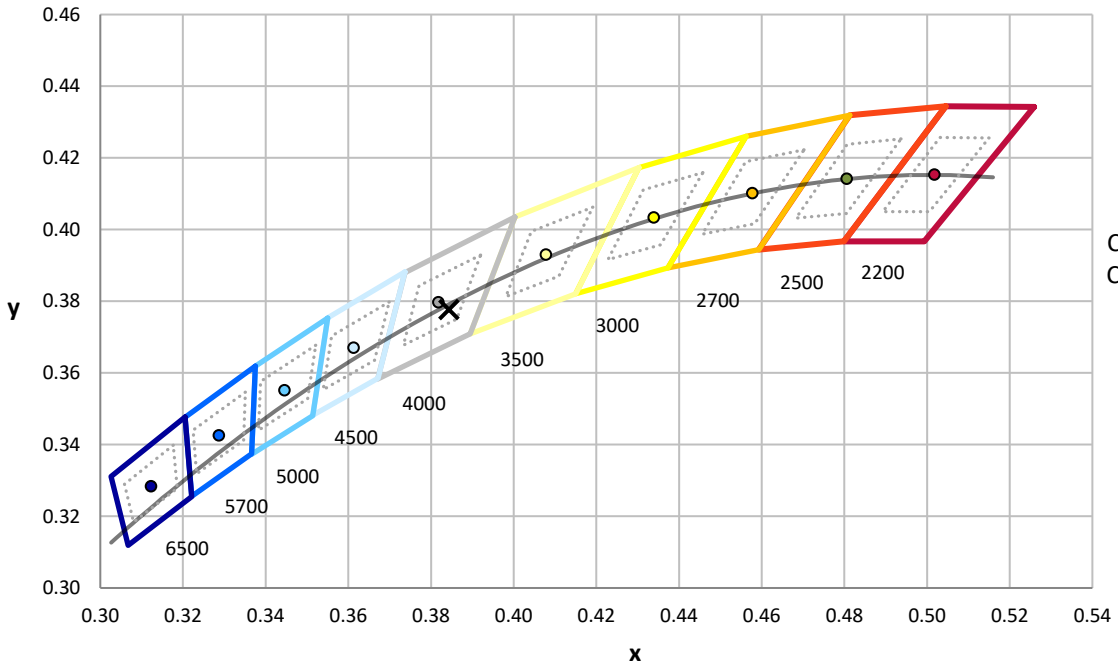
CIE 1931 Chromaticity Diagram



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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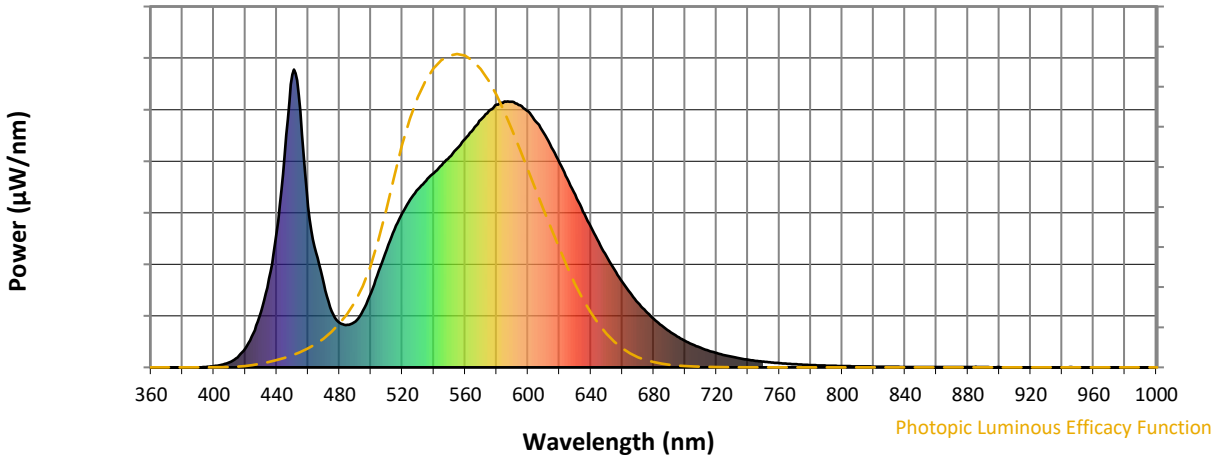
Photopic Flux vs. Wavelength



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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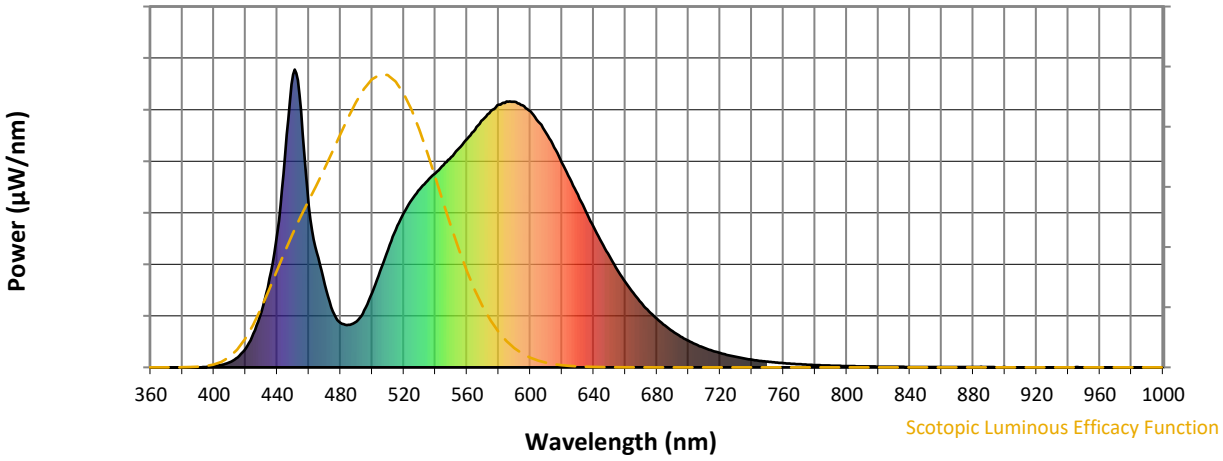
Scotopic Flux vs. Wavelength



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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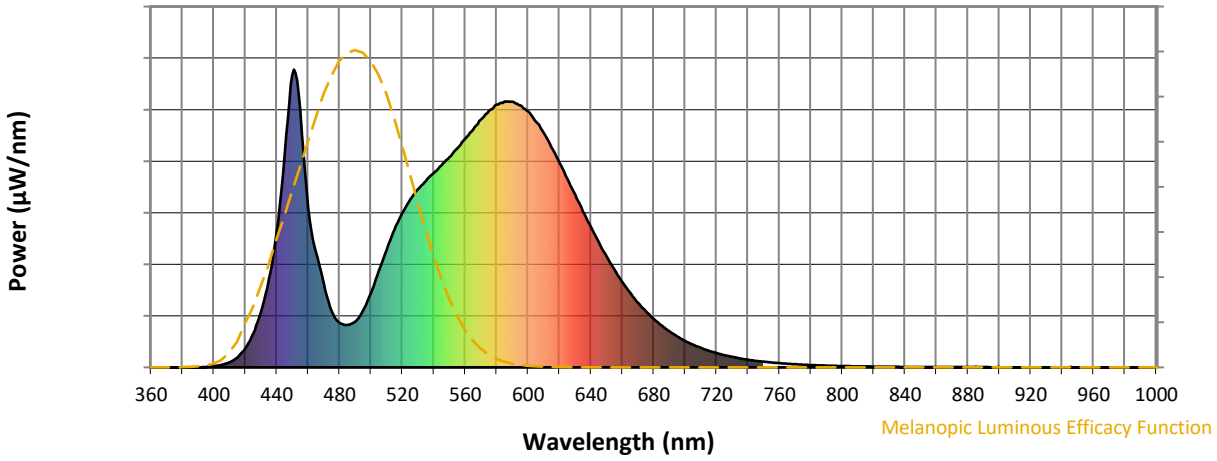
Melanopic Flux vs. Wavelength



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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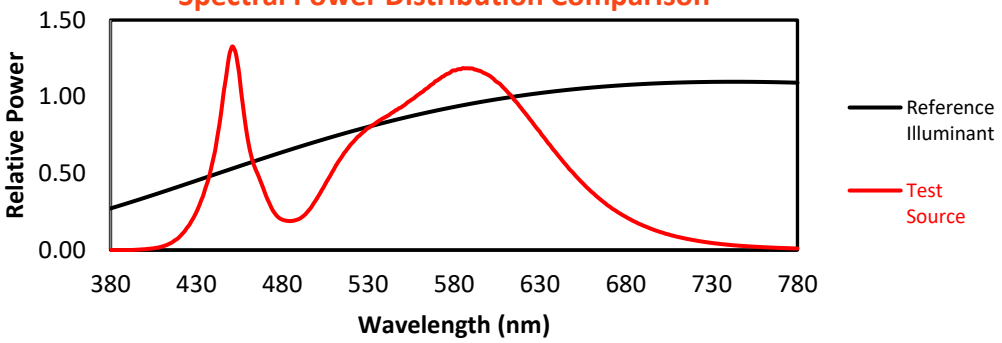
TM-30-18

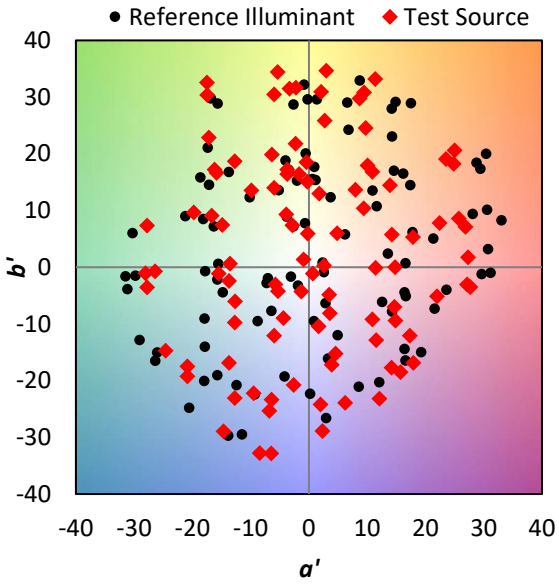
Summary

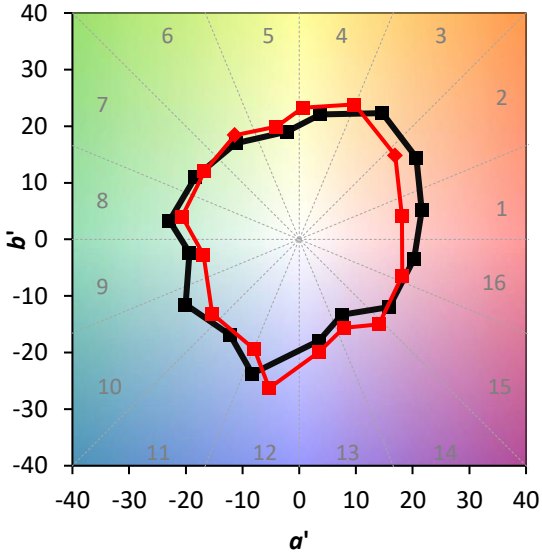
R_f = 76.2
R_g = 94.4
CIE R_a = 74.5
R_9 = -23.4

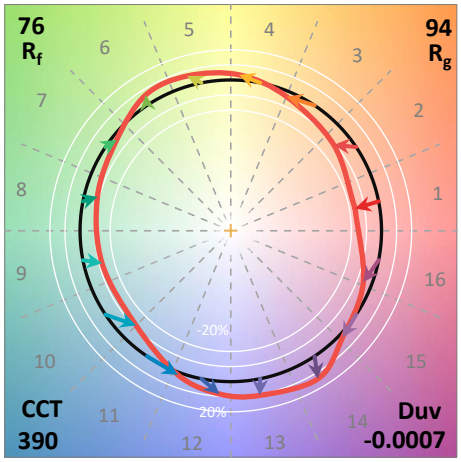
Spectral Power Distribution Comparison

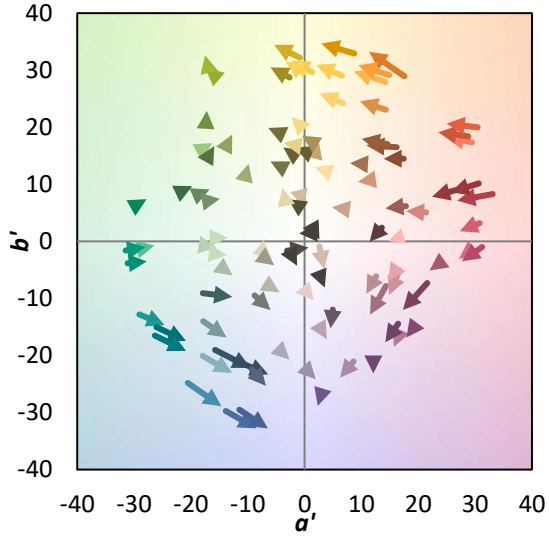


Color Vector Graphics









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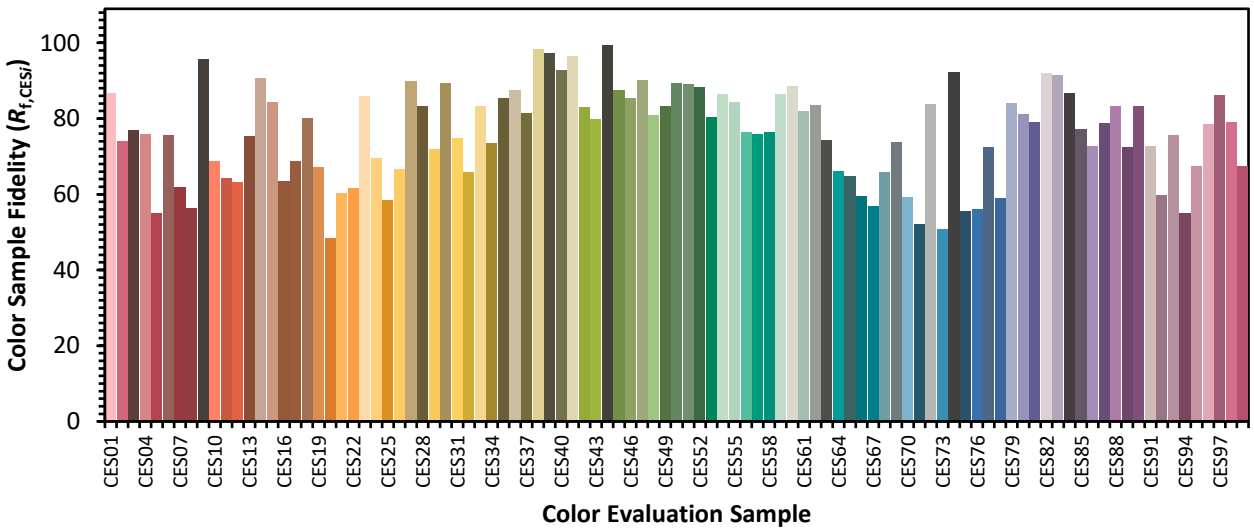
Individual Sample Fidelity Index ($R_{f,i}$)

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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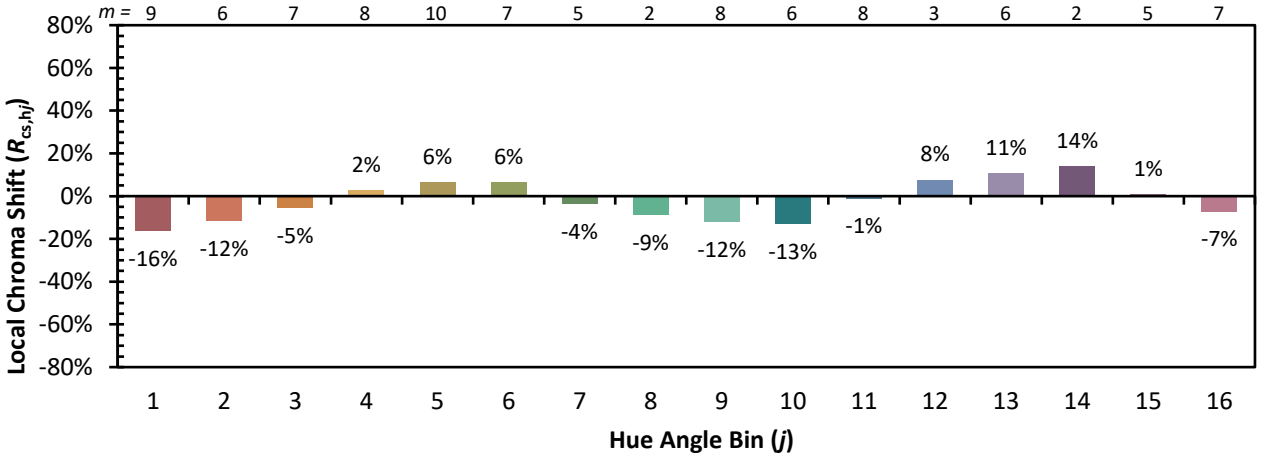
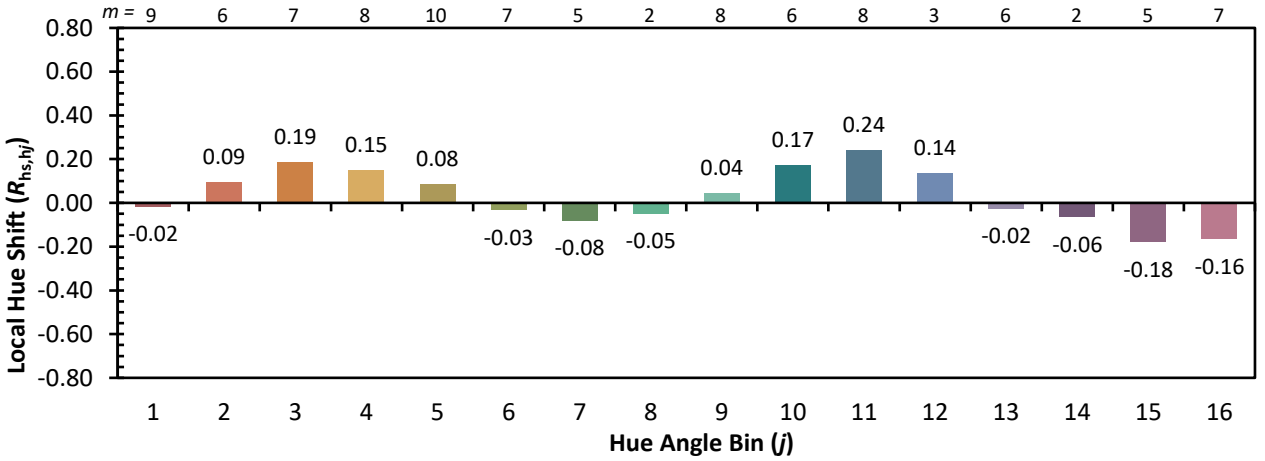
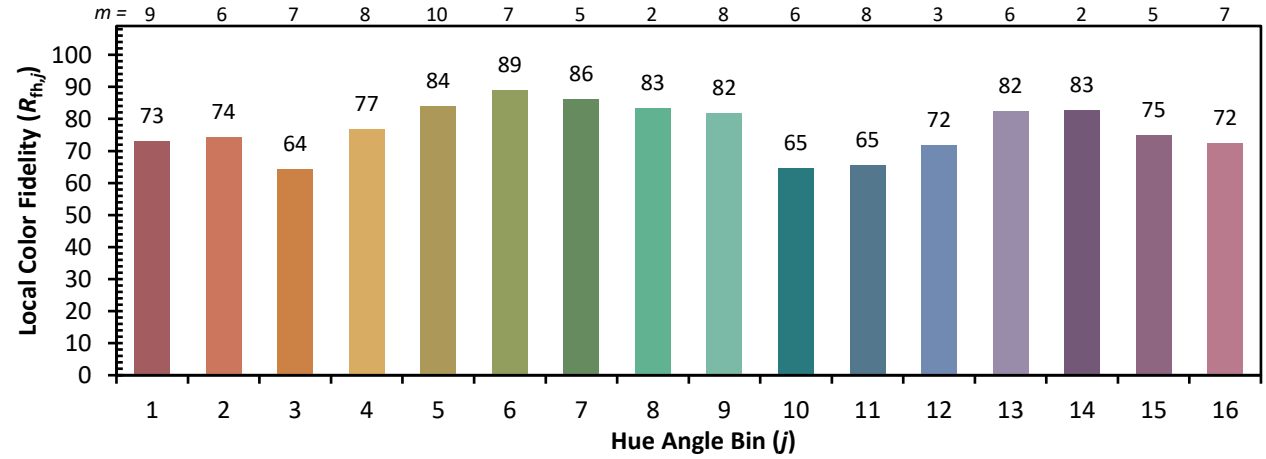
Color Rendition by Hue-Angle Bin







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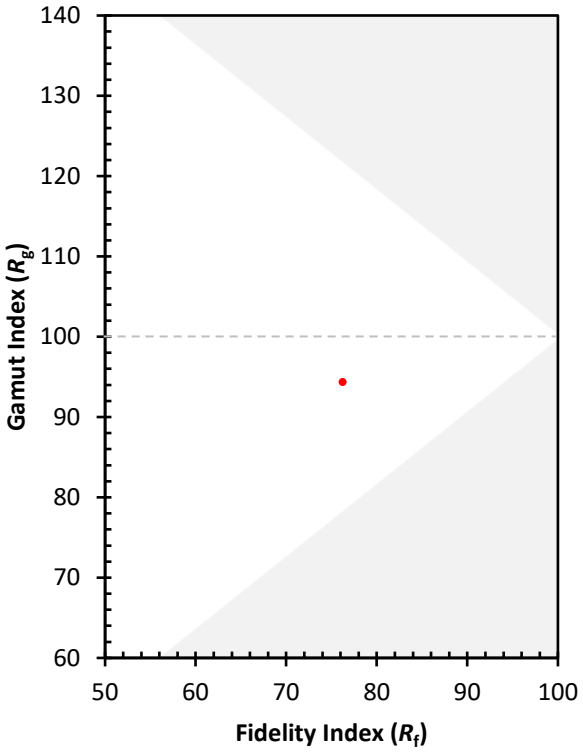
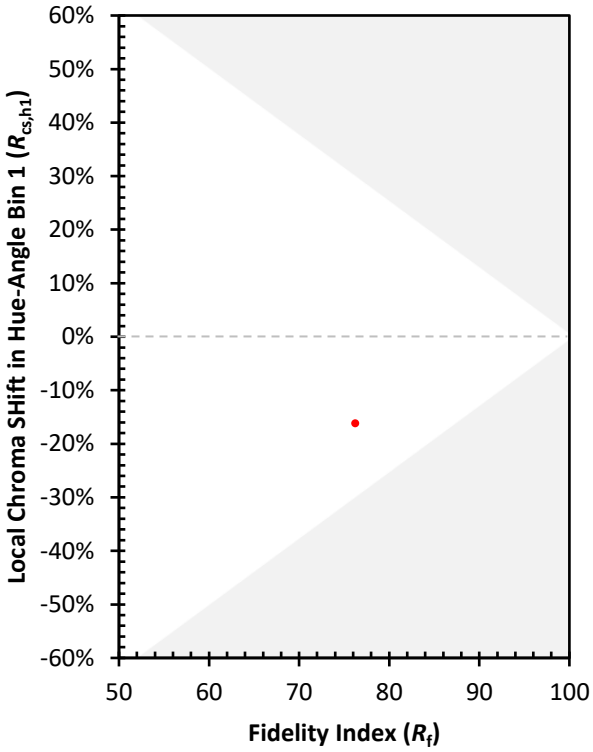
Measure Comparisons





(END OF REPORT)