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: P856378

Luminaire Tested: **FFX-CLB-30-722-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:	P856378
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-VM9
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4212.7 lumens
Efficiency:	N/A
Efficacy:	138.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type V - Short
BUG Rating:	B1 - 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: P856378
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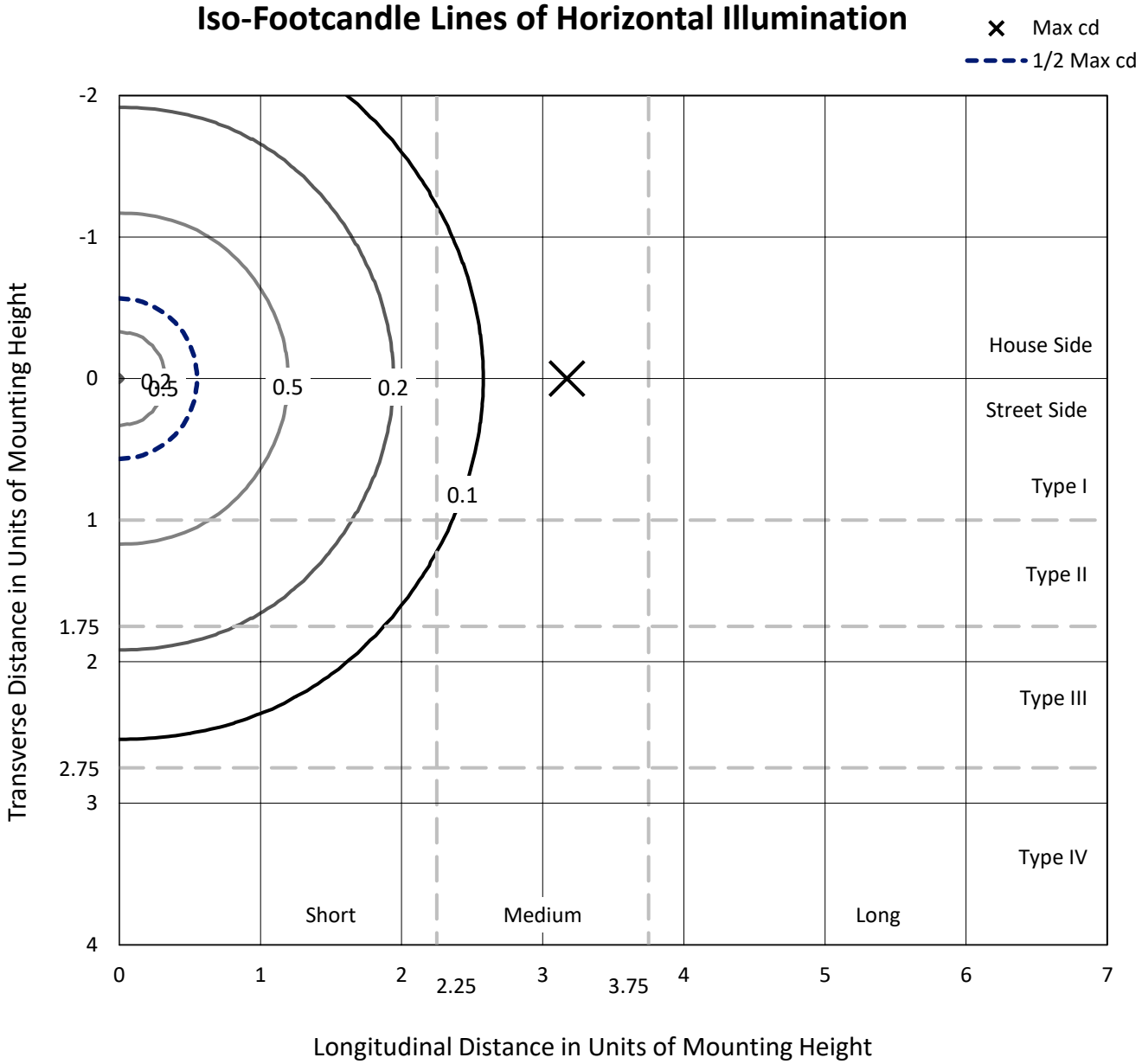
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
Type V - Short - N/A

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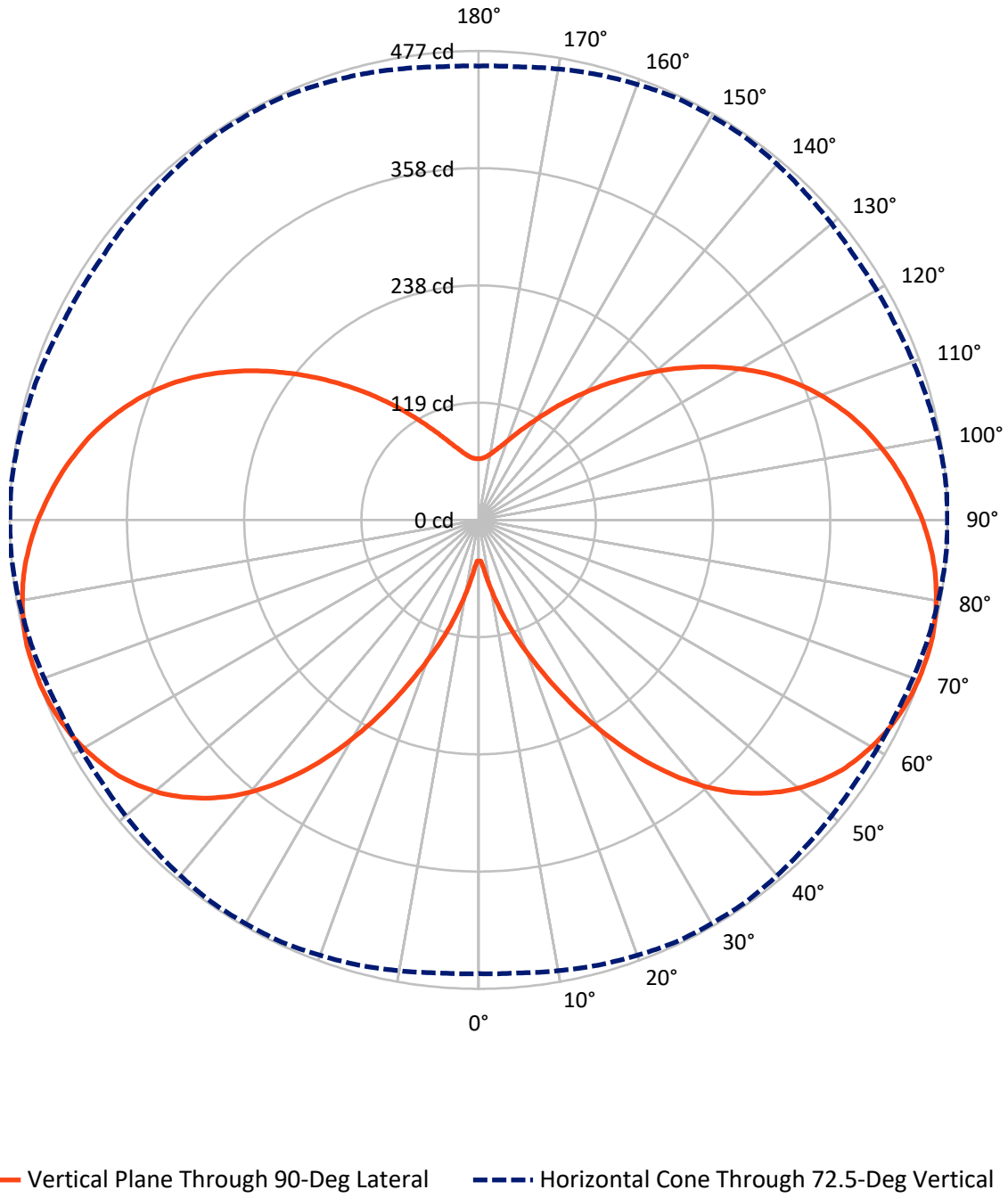
Luminous Intensity Polar Plot



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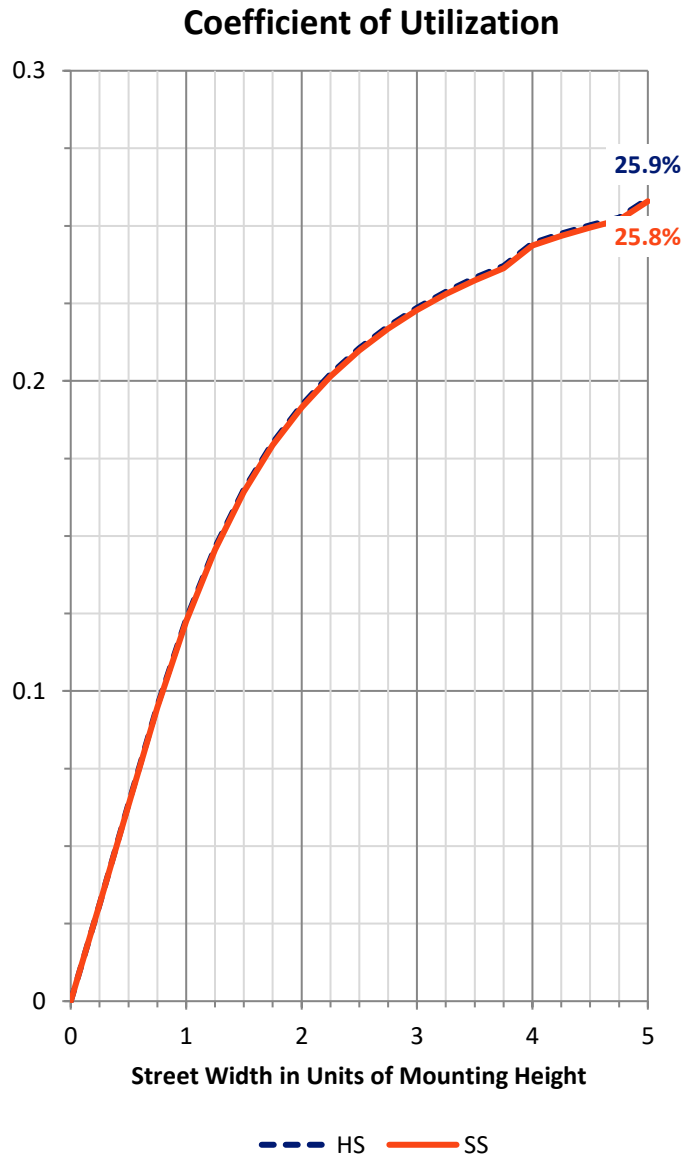
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1233.9	872.5	2106.4
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	1233.9	872.5	2106.4
	% Fixture	29.3	20.7	50.0
Total	Lumens	2467.7	1745.0	4212.7
	% Fixture	58.6	41.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	31.6	0.8
20°-30°	91.3	2.2
30°-40°	189.9	4.5
40°-50°	301.4	7.2
50°-60°	395.7	9.4
60°-70°	461.4	11.0
70°-80°	495.6	11.8
80°-90°	495.4	11.8
90°-100°	463.7	11.0
100°-110°	406.8	9.7
110°-120°	327.2	7.8
120°-130°	235.0	5.6
130°-140°	151.0	3.6
140°-150°	87.6	2.1
150°-160°	46.0	1.1
160°-170°	21.4	0.5
170°-180°	6.2	0.1
0°-90°	2467.7	58.6
0°-180°	4212.7	100.0



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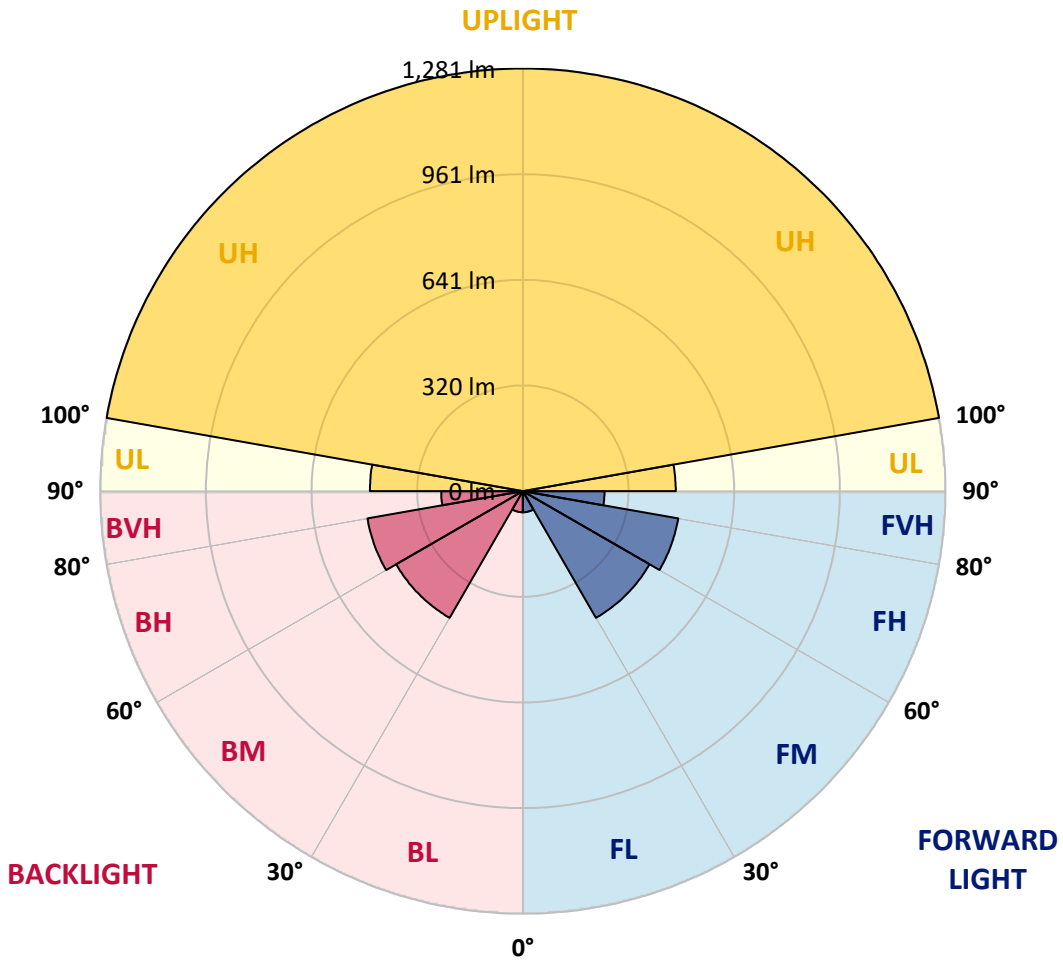
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	64.2	1.5			
FM	(30°-60°)	443.5	10.5			
FH	(60°-80°)	478.5	11.4			G0/660
FVH	(80°-90°)	247.7	5.9			G3/500
BL	(0°-30°)	64.2	1.5	B0/110		
BM	(30°-60°)	443.5	10.5	B1/1000		
BH	(60°-80°)	478.5	11.4	B1/500		G0/660
BVH	(80°-90°)	247.7	5.9			G3/500
UL	(90°-100°)	463.7	11.0		U3/500	
UH	(100°-180°)	1281.3	30.4		U5	

BUG Rating: B1-U5-G3
Type V Short



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Scaled Data Report

REPORT NUMBER: P856378
CATALOG NUMBER: FFX-CLB-30-722-U-VM9

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
2.5°	43.4	43.4	43.1	43.1	42.8	42.6	42.6	42.3	42.0	42.0	42.0
5°	48.3	48.0	48.0	48.0	48.0	47.7	48.0	47.7	47.7	47.7	48.0
7.5°	58.8	58.6	58.6	58.6	58.8	58.8	59.1	59.4	59.7	59.7	59.7
10°	72.7	72.4	72.4	72.1	72.7	72.7	72.9	72.4	73.2	73.2	73.5
12.5°	88.9	88.7	88.7	88.4	88.9	88.7	89.2	88.7	90.0	89.5	89.5
15°	106.6	106.6	106.3	106.0	106.8	106.8	107.4	107.4	108.2	107.7	107.9
17.5°	125.3	125.0	125.0	124.7	125.5	125.5	125.5	126.1	127.2	126.1	126.9
20°	145.3	145.1	145.1	144.8	145.6	145.6	146.2	146.4	147.5	146.7	147.2
22.5°	167.0	166.8	166.8	166.8	167.9	168.1	168.1	168.9	170.3	168.9	170.0
25°	191.2	190.9	190.9	191.7	192.5	192.8	193.3	194.4	195.8	194.4	195.8
27.5°	216.9	216.7	217.2	218.3	219.1	219.6	220.5	220.7	222.6	221.3	223.2
30°	243.5	243.2	243.8	245.1	246.2	247.8	247.8	248.7	251.4	249.5	251.4
32.5°	269.8	269.5	270.4	272.0	273.6	275.2	275.5	276.6	279.3	277.9	279.8
35°	295.8	295.6	296.7	298.8	300.5	302.1	302.6	303.7	306.7	305.3	307.2
37.5°	320.5	320.5	321.6	324.0	325.9	328.1	327.8	329.2	331.9	331.1	333.0
40°	343.6	343.6	344.9	347.9	350.1	351.4	351.2	352.5	355.5	355.2	356.9
42.5°	364.4	364.4	366.3	369.3	371.5	372.3	372.3	373.7	376.9	376.6	378.3
45°	382.1	382.9	385.1	388.3	390.2	391.0	390.5	391.8	395.4	395.4	396.7
47.5°	398.3	399.4	401.6	404.9	406.2	407.0	406.5	407.6	411.1	411.6	413.0
50°	412.4	413.3	416.0	419.5	420.8	420.8	420.0	421.1	424.9	426.0	427.1
52.5°	424.6	425.5	428.4	432.2	433.1	432.8	431.7	432.8	436.6	437.7	438.5
55°	434.4	435.2	438.7	442.5	443.4	442.5	440.9	442.3	445.8	447.4	448.8
57.5°	442.3	443.1	447.2	450.9	451.8	450.1	448.2	449.6	453.7	455.6	456.1
60°	448.8	449.6	453.9	458.0	458.5	456.6	454.5	455.8	459.9	462.1	462.6
62.5°	453.9	454.7	459.4	464.0	464.2	461.8	459.4	460.7	464.8	467.2	468.0
65°	457.5	458.3	463.4	468.0	468.6	465.6	463.2	464.5	468.3	471.3	471.8
67.5°	459.9	460.7	466.4	471.3	471.6	468.3	465.6	466.7	471.0	474.0	474.5
70°	461.0	461.8	467.8	472.9	473.2	469.7	466.4	467.8	472.1	475.6	476.2
72.5°	461.3	462.3	468.6	473.7	474.0	469.9	466.7	467.8	472.4	476.4	476.7
75°	460.2	461.5	468.0	473.5	473.5	468.8	465.3	466.4	471.6	475.9	476.7
77.5°	458.8	459.6	466.4	471.8	471.6	466.7	462.6	464.2	469.4	474.3	474.8
80°	455.8	456.9	463.7	468.8	468.3	462.9	459.1	460.7	466.1	471.3	471.8
82.5°	452.0	453.1	459.9	464.5	464.0	458.3	454.5	456.4	462.1	467.5	468.0
85°	447.4	448.5	455.0	459.4	458.5	452.8	449.1	450.7	456.9	462.3	462.9
87.5°	441.5	442.5	449.1	452.8	452.0	446.1	442.8	445.0	450.7	456.4	456.6
90°	434.7	436.0	441.7	445.3	444.2	438.7	435.8	437.9	443.6	449.1	449.6
92.5°	427.9	428.4	433.9	436.8	436.0	431.2	428.4	430.9	436.0	441.5	441.5
95°	419.8	420.6	425.5	427.9	427.1	423.0	420.6	423.3	427.9	433.1	433.3
97.5°	411.1	411.9	416.0	418.4	417.6	414.1	412.4	415.2	419.2	424.1	424.4
100°	401.9	402.4	405.9	408.1	407.3	404.6	403.5	406.2	410.0	414.6	414.6
102.5°	391.6	392.1	394.8	396.2	395.9	393.7	393.7	396.7	399.7	404.0	404.6
105°	380.7	381.3	383.2	384.0	383.7	382.9	383.4	386.4	388.9	392.6	393.2
107.5°	368.5	369.1	370.1	370.4	370.4	370.4	372.3	375.0	377.7	380.4	380.7
110°	355.5	355.8	356.6	356.3	356.3	356.9	359.6	362.5	364.7	367.4	367.7

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Scaled Data Report

REPORT NUMBER: P856378
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	341.4	341.7	342.2	341.1	341.4	342.5	346.0	349.3	350.6	353.3	*353.3*
115°	326.5	326.2	326.8	325.4	325.1	327.0	330.8	334.6	335.7	337.6	*337.9*
117.5°	310.2	310.5	310.2	308.6	308.3	311.0	314.6	318.1	319.4	321.6	*321.1*
120°	293.4	293.1	293.4	291.5	291.2	294.2	297.7	301.3	302.1	304.0	*303.4*
122.5°	276.3	276.0	275.8	273.9	273.9	276.3	280.7	284.2	283.6	285.8	*285.5*
125°	258.7	258.7	258.2	256.3	256.3	259.2	262.8	266.0	265.5	267.9	*267.1*
127.5°	241.3	241.3	240.8	239.2	239.2	241.9	245.1	248.4	247.6	249.7	*248.9*
130°	224.3	224.3	223.7	222.1	222.1	224.3	227.8	230.5	229.4	231.3	*231.0*
132.5°	208.0	207.7	207.4	205.8	206.1	208.3	211.0	213.4	212.3	214.5	*213.7*
135°	192.3	192.0	191.7	190.1	190.4	192.5	195.0	196.9	196.1	197.4	*197.1*
137.5°	177.3	177.1	176.8	175.4	175.7	177.3	179.8	181.4	180.3	182.2	*181.4*
140°	163.2	163.0	162.4	161.6	161.9	163.5	164.9	166.8	165.7	167.3	*166.5*
142.5°	149.7	149.7	149.1	148.3	148.6	150.2	151.3	152.7	151.6	152.9	*152.4*
145°	137.2	137.2	136.7	136.1	136.1	137.5	138.3	139.7	138.6	139.9	*139.4*
147.5°	125.8	125.8	125.3	124.7	124.7	126.1	126.6	127.7	126.6	127.7	*127.2*
150°	115.2	115.2	115.0	114.4	114.7	115.2	115.8	116.6	115.8	116.6	*116.3*
152.5°	106.0	106.0	105.8	105.5	105.2	106.0	106.3	107.1	106.3	107.1	*106.6*
155°	97.9	97.6	97.6	97.1	97.1	97.6	97.9	98.4	97.6	98.4	*98.2*
157.5°	90.6	90.6	90.3	90.0	90.0	90.3	90.6	90.8	90.3	91.1	*90.6*
160°	84.3	84.3	84.1	83.8	83.8	84.1	84.1	84.3	83.8	84.3	*84.1*
162.5°	78.9	78.9	78.6	78.6	78.4	78.6	78.9	78.9	78.6	78.9	*78.6*
165°	74.6	74.6	74.3	74.0	74.0	74.3	74.3	74.6	74.0	74.3	*74.3*
167.5°	70.5	70.5	70.5	70.2	70.0	70.2	70.2	70.2	70.0	70.2	*70.2*
170°	67.5	67.5	67.5	67.2	67.0	67.2	67.2	67.2	67.0	67.2	*67.2*
172.5°	65.1	65.1	65.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	*64.8*
175°	63.5	63.5	63.5	63.5	63.2	63.5	63.5	63.5	63.5	63.5	*63.2*
177.5°	62.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	*62.4*
180°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	*62.1*

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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: SP1-2406-133-2

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

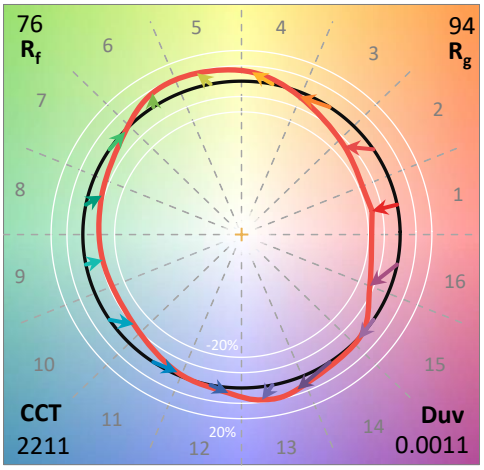
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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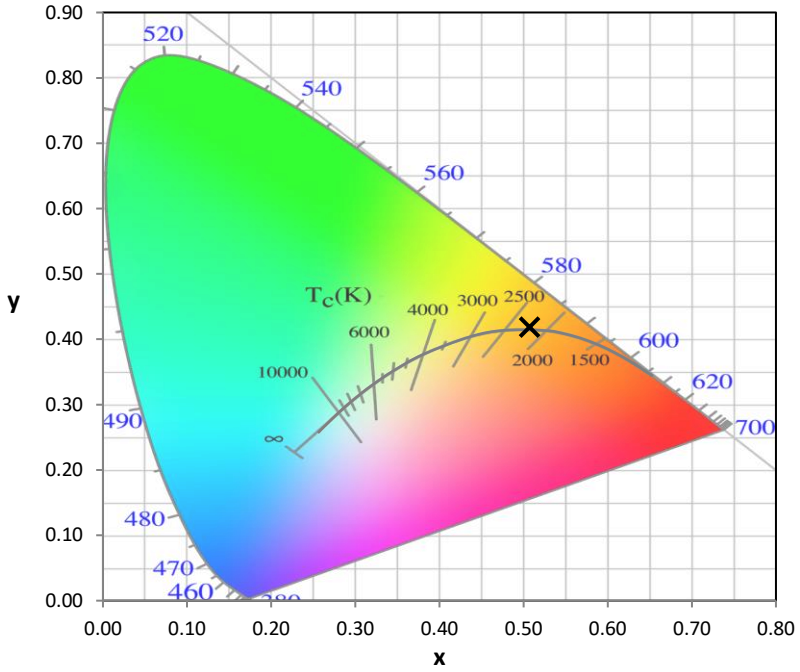
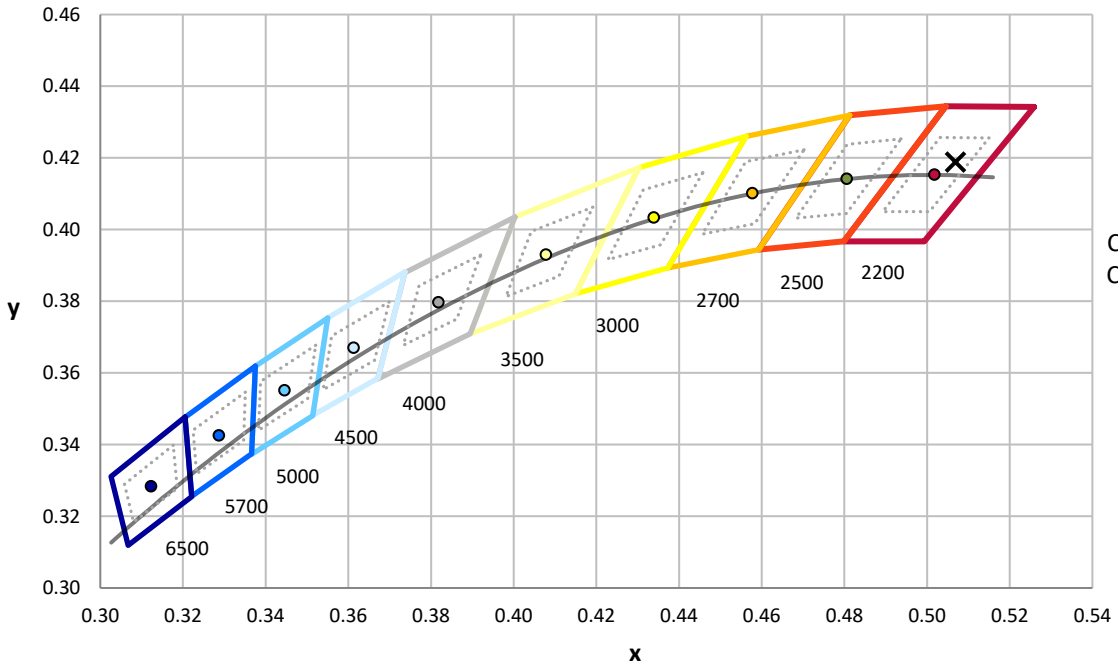
REPORT NUMBER: SP1-2406-133-2

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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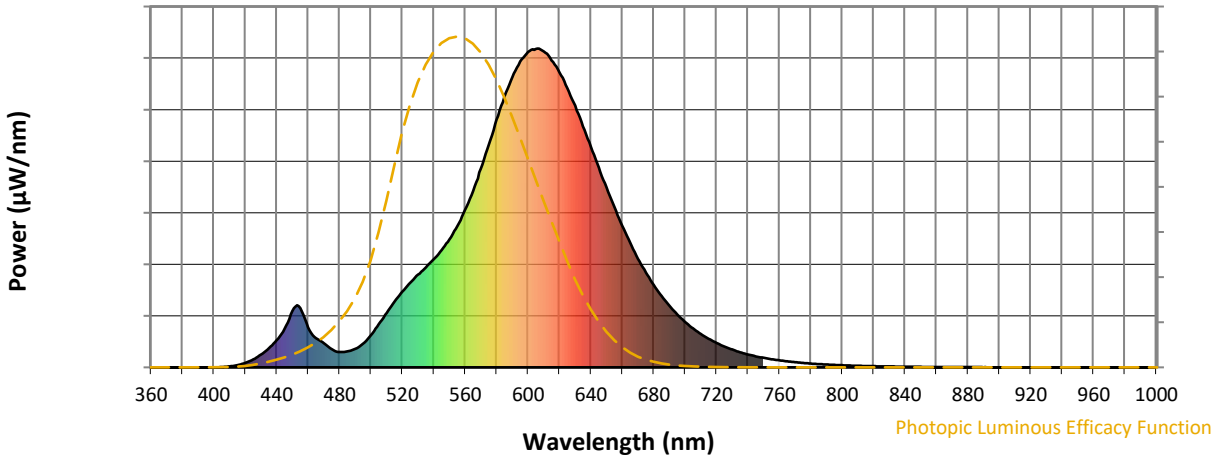
Photopic Flux vs. Wavelength



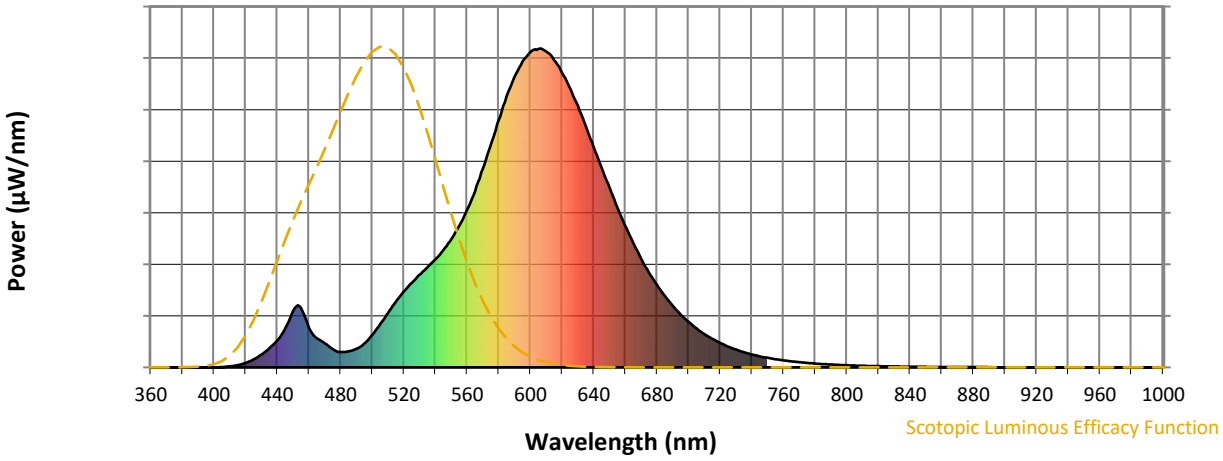
Photopic Lumens: NR

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			

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

REPORT NUMBER: SP1-2406-133-2

Scotopic Flux vs. Wavelength



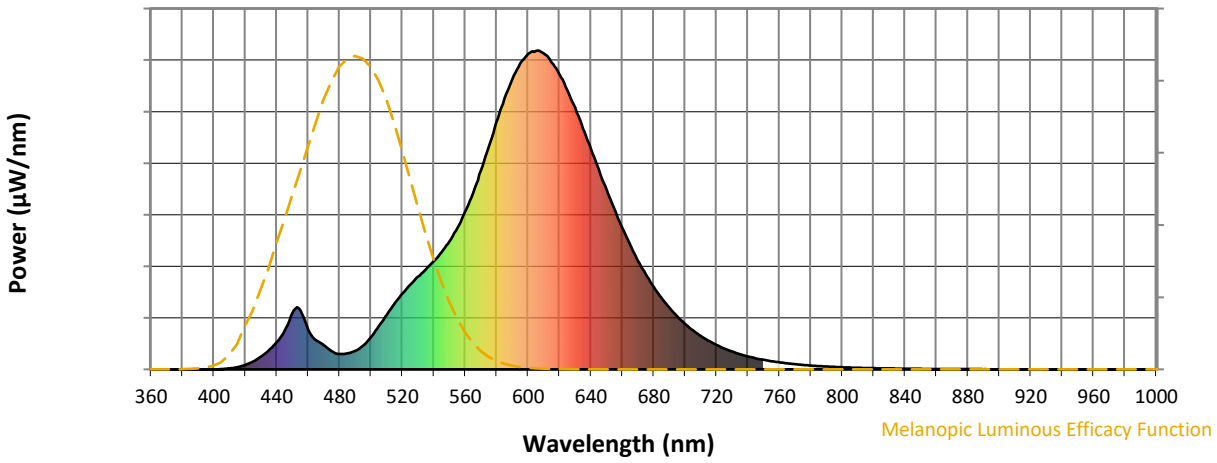
Scotopic Lumens: NR **S/P: 0.87**

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			

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

REPORT NUMBER: SP1-2406-133-2

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			

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

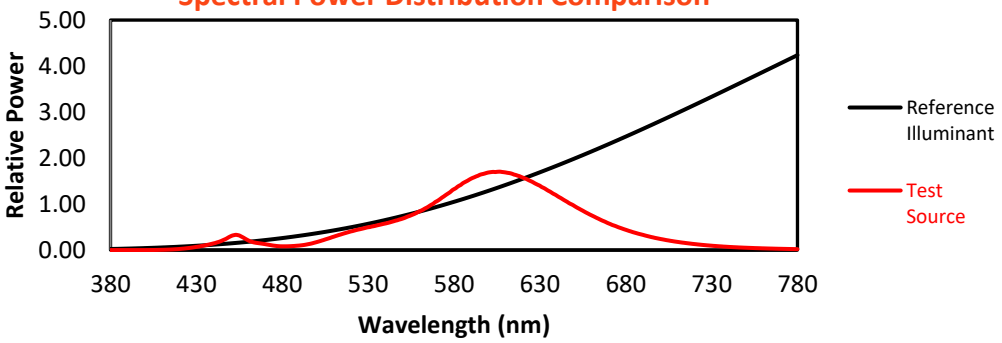
REPORT NUMBER: SP1-2406-133-2

TM-30-18

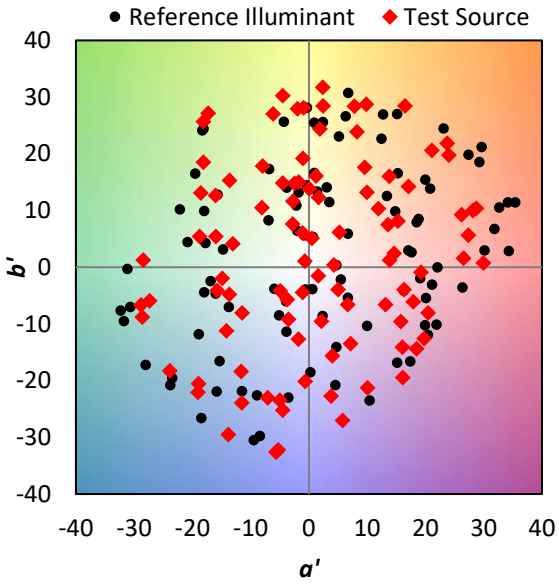
Summary

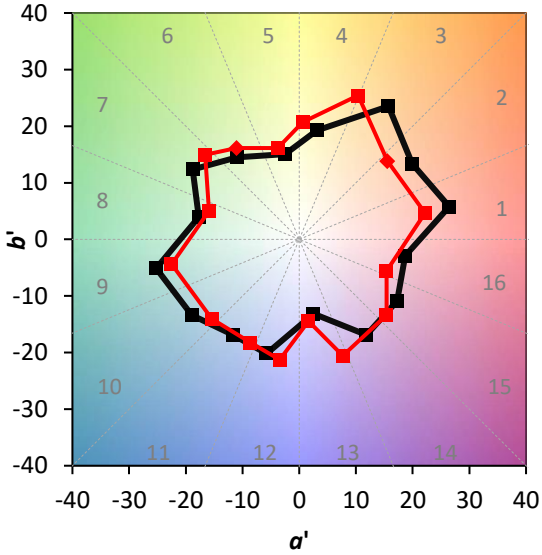
R_f = 76.1
R_g = 94.3
CIE R_a = 71.4
R_9 = -29.2

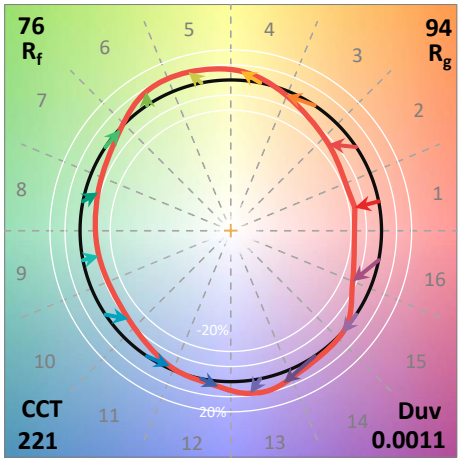
Spectral Power Distribution Comparison

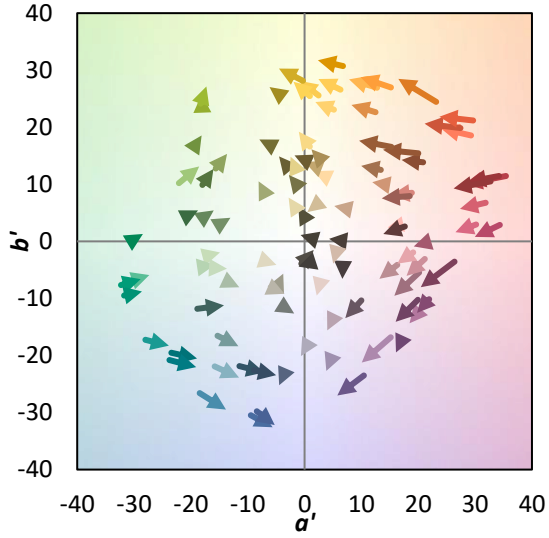


Color Vector Graphics









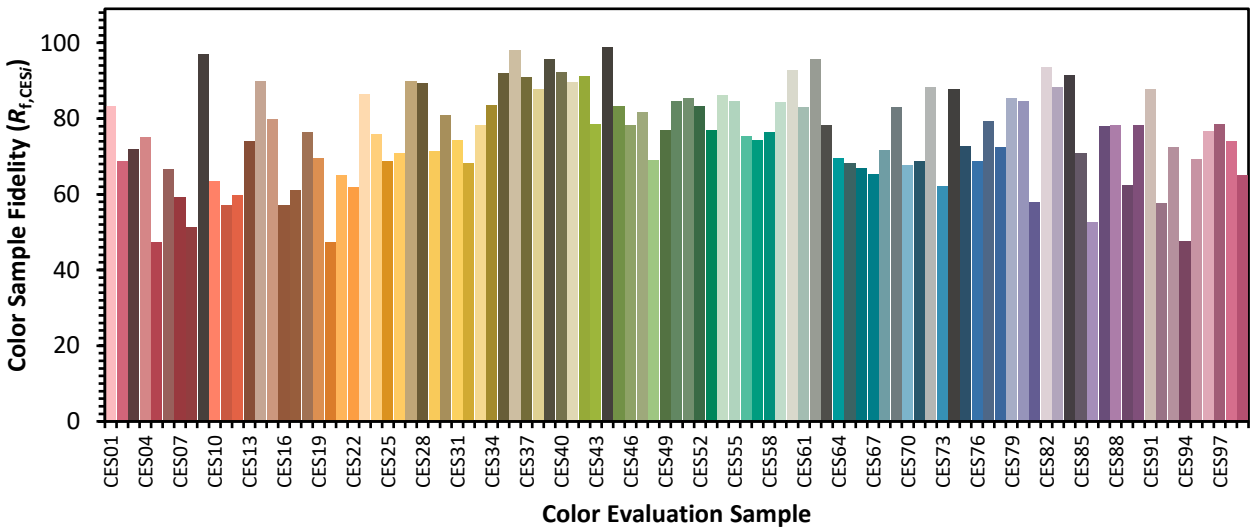
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-2

TM-30-18

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	

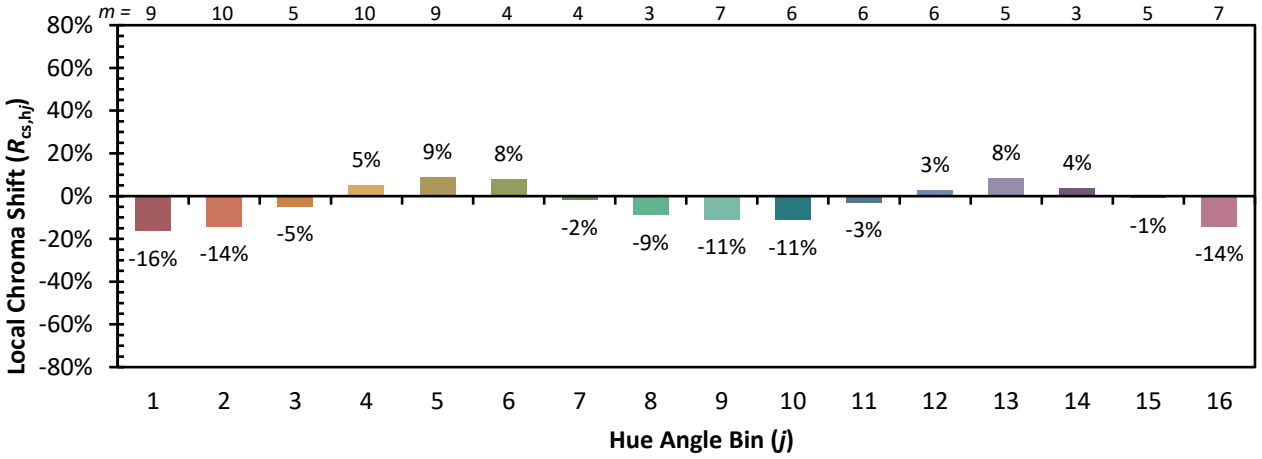


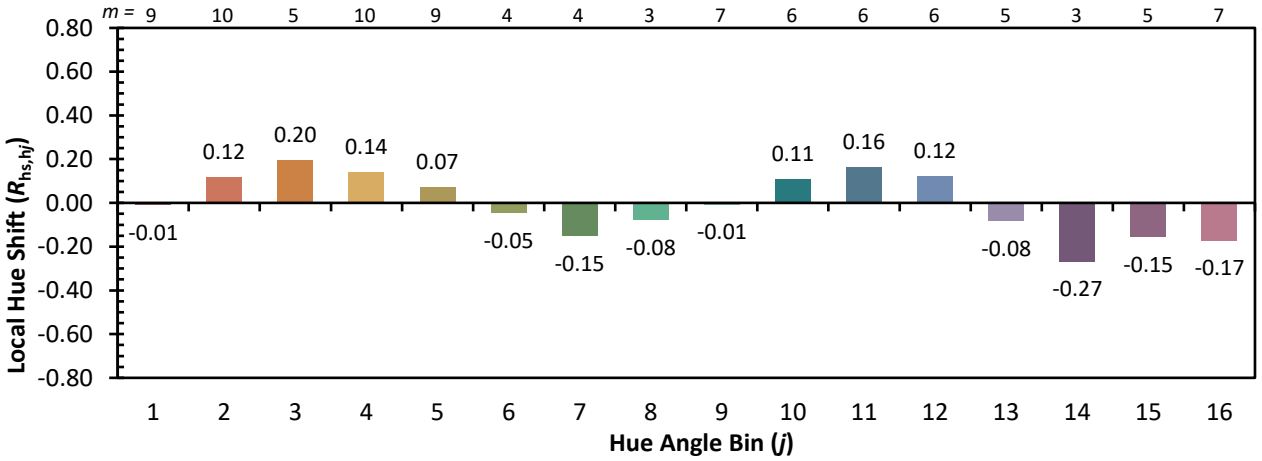
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

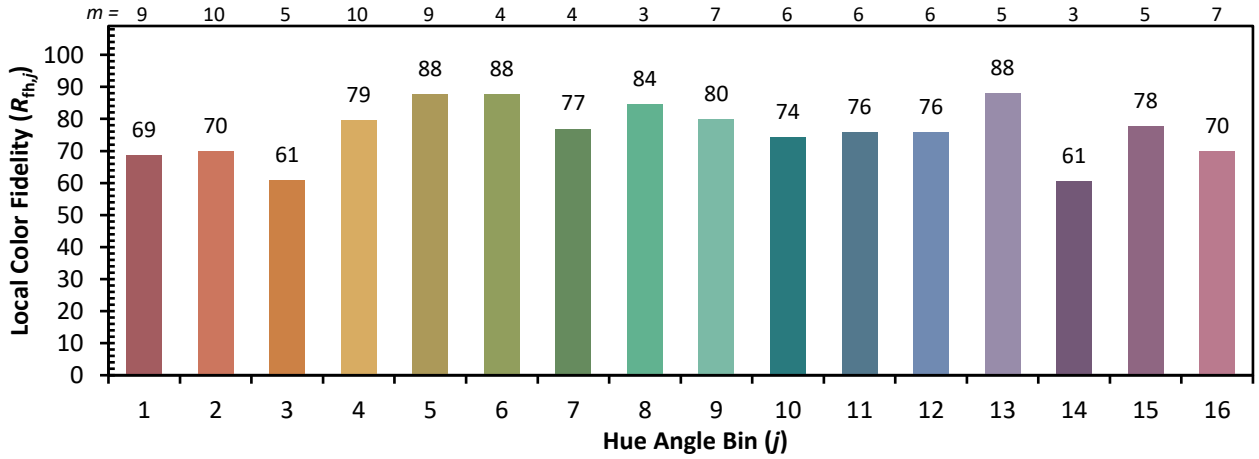
REPORT NUMBER: SP1-2406-133-2

TM-30-18

Color Rendition by Hue-Angle Bin





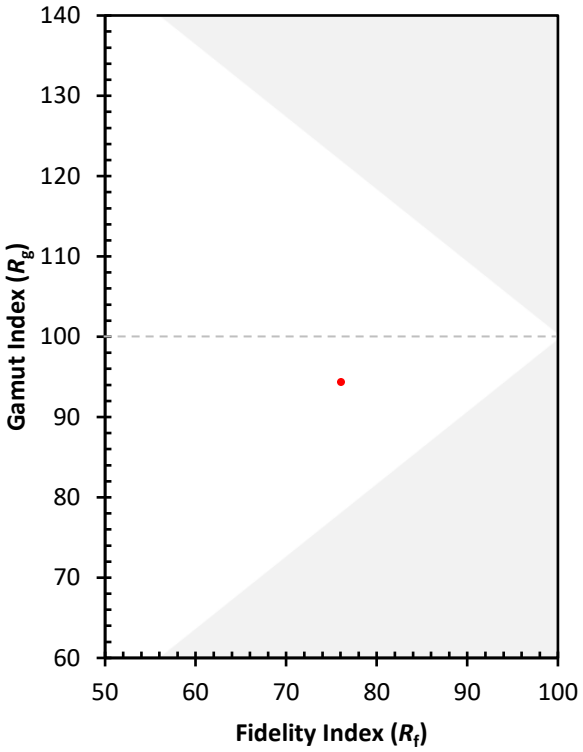


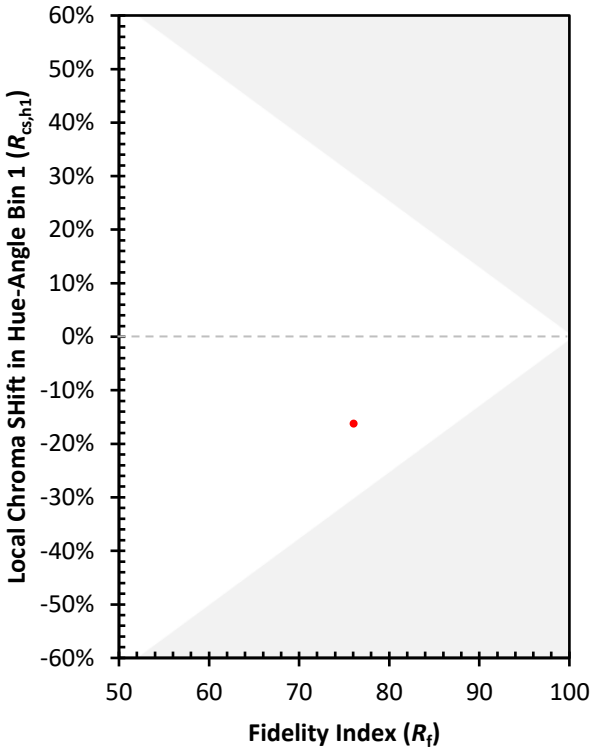
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-2

TM-30-18

Measure Comparisons





(END OF REPORT)