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: P856388

Luminaire Tested: **FFX-CLB-20-727-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:	P856388
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-727-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:	2967.6 lumens
Efficiency:	N/A
Efficacy:	152.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type V - Short
BUG Rating:	B1 - U4 - G2

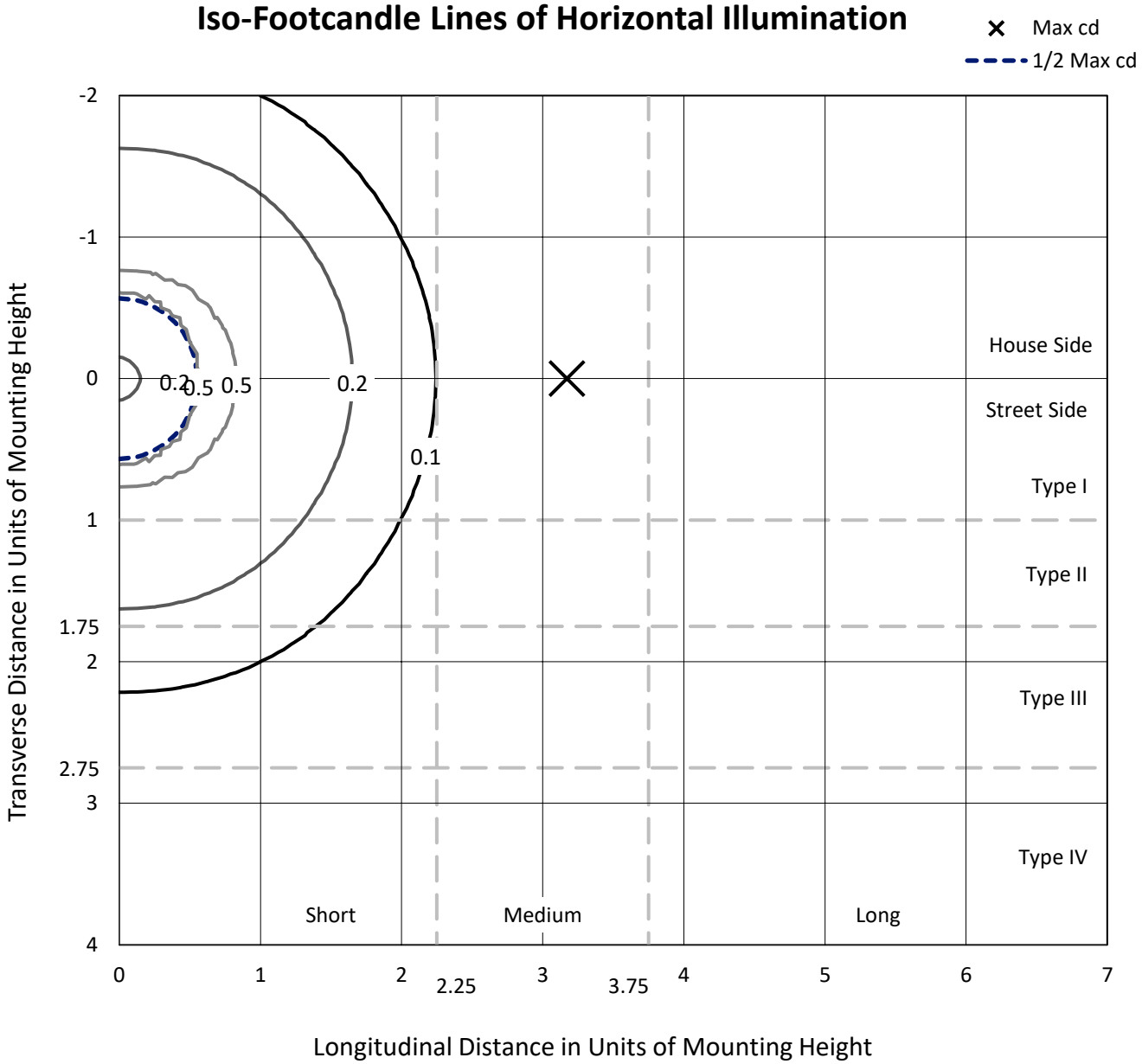
Input Watts (W):	19.5
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.8%%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P856388
CATALOG NUMBER: FFX-CLB-20-727-U-VM9

Iso-Footcandle Lines of Horizontal Illumination



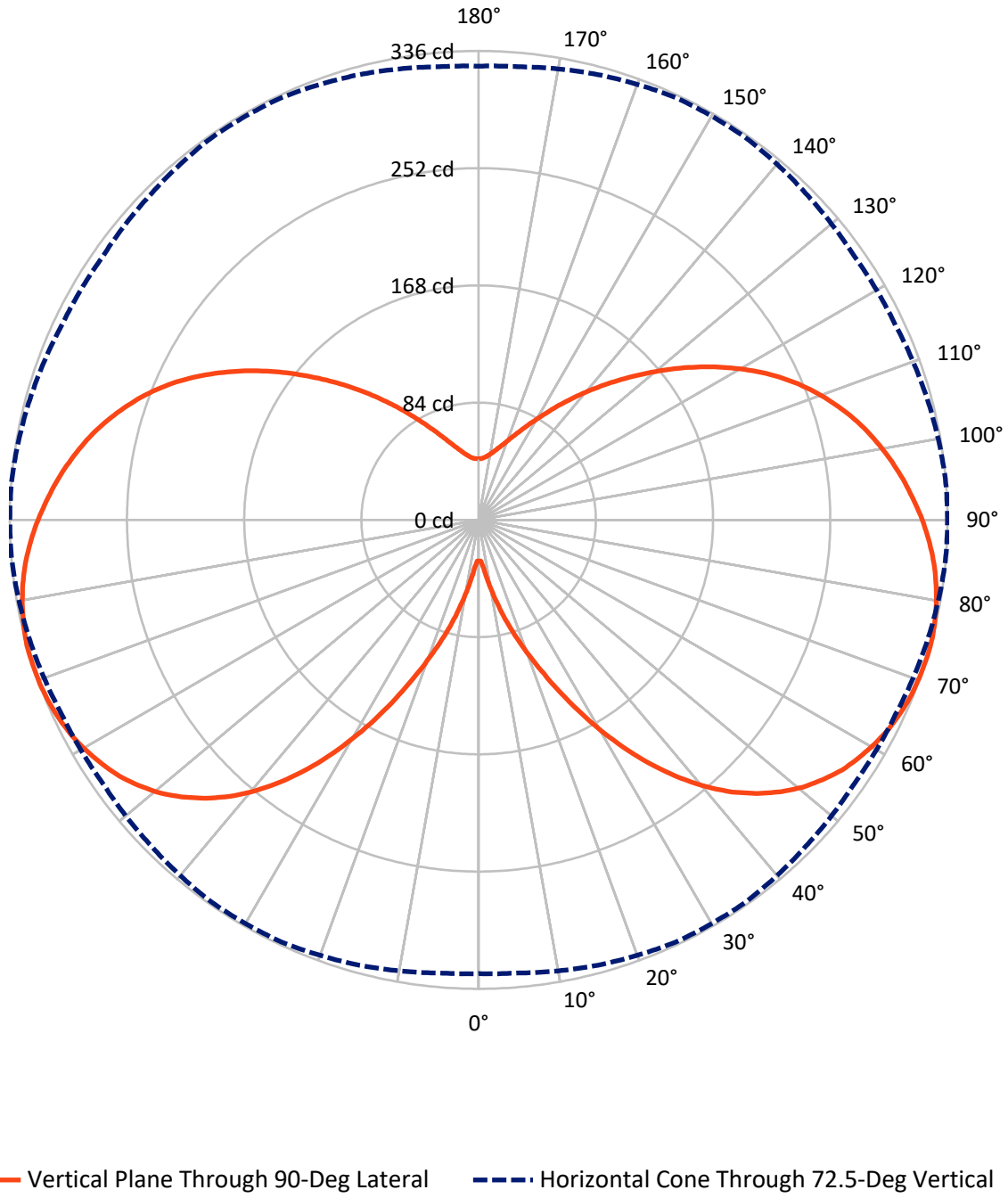
Based on 15 foot mounting height. Maximum calculated value = 0.5 fc
Type V - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P856388
CATALOG NUMBER: FFX-CLB-20-727-U-VM9

Luminous Intensity Polar Plot



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

Scaled Data Report

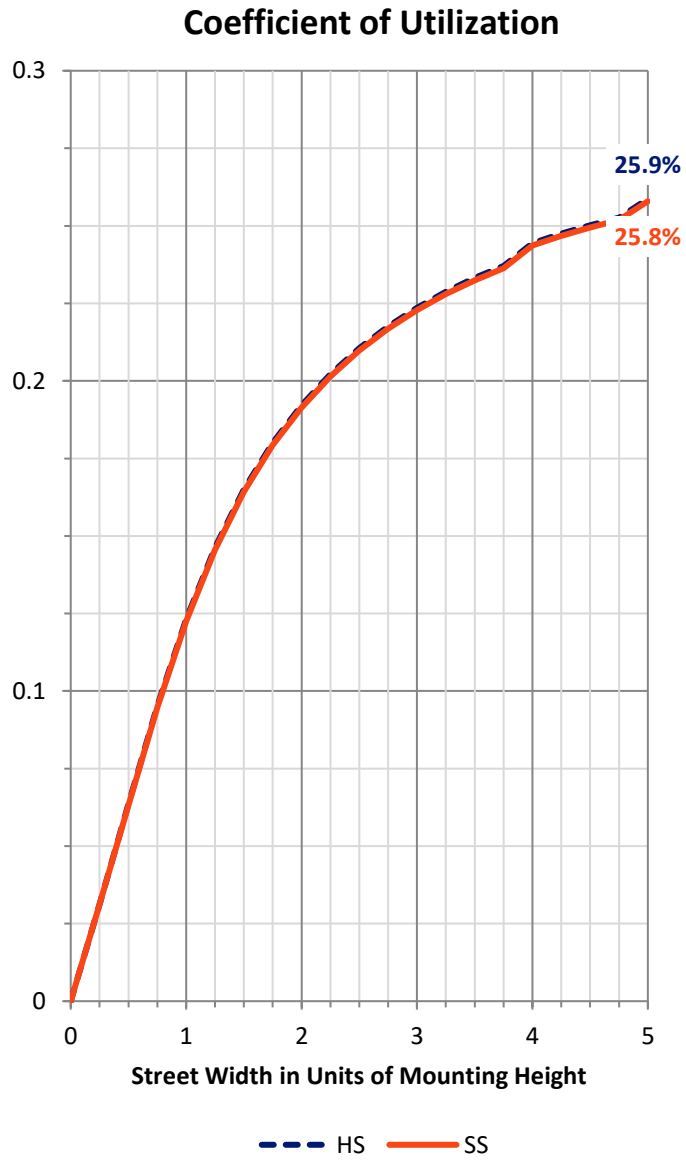
REPORT NUMBER: P856388
CATALOG NUMBER: FFX-CLB-20-727-U-VM9

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	869.2	614.6	1483.8
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	869.2	614.6	1483.8
	% Fixture	29.3	20.7	50.0
Total	Lumens	1738.3	1229.2	2967.6
	% Fixture	58.6	41.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	22.3	0.8
20°-30°	64.3	2.2
30°-40°	133.8	4.5
40°-50°	212.3	7.2
50°-60°	278.7	9.4
60°-70°	325.0	11.0
70°-80°	349.1	11.8
80°-90°	348.9	11.8
90°-100°	326.6	11.0
100°-110°	286.6	9.7
110°-120°	230.5	7.8
120°-130°	165.5	5.6
130°-140°	106.4	3.6
140°-150°	61.7	2.1
150°-160°	32.4	1.1
160°-170°	15.1	0.5
170°-180°	4.3	0.1
0°-90°	1738.3	58.6
0°-180°	2967.6	100.0



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

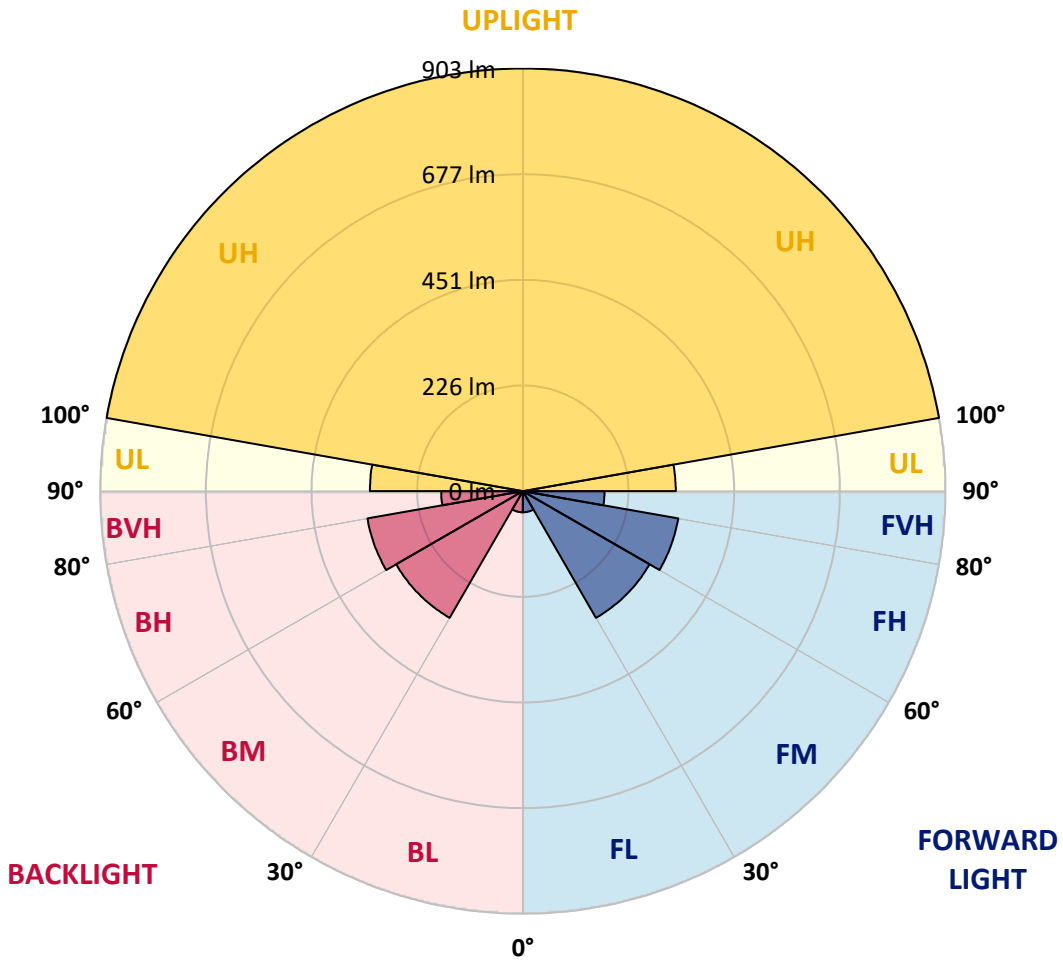
Scaled Data Report

REPORT NUMBER: P856388
CATALOG NUMBER: FFX-CLB-20-727-U-VM9

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	45.2	1.5			
FM	(30°-60°)	312.4	10.5			
FH	(60°-80°)	337.1	11.4			G0/660
FVH	(80°-90°)	174.5	5.9			G2/225
BL	(0°-30°)	45.2	1.5	B0/110		
BM	(30°-60°)	312.4	10.5	B1/1000		
BH	(60°-80°)	337.1	11.4	B1/500		G0/660
BVH	(80°-90°)	174.5	5.9			G2/225
UL	(90°-100°)	326.6	11.0		U3/500	
UH	(100°-180°)	902.6	30.4		U4/1000	

BUG Rating: B1-U4-G2
Type V Short



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

Scaled Data Report

REPORT NUMBER: P856388
CATALOG NUMBER: FFX-CLB-20-727-U-VM9

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
2.5°	30.6	30.6	30.4	30.4	30.2	30.0	30.0	29.8	29.6	29.6	29.6
5°	34.0	33.8	33.8	33.8	33.8	33.6	33.8	33.6	33.6	33.6	33.8
7.5°	41.5	41.3	41.3	41.3	41.5	41.5	41.6	41.8	42.0	42.0	42.0
10°	51.2	51.0	51.0	50.8	51.2	51.2	51.4	51.0	51.6	51.6	51.8
12.5°	62.7	62.5	62.5	62.3	62.7	62.5	62.8	62.5	63.4	63.0	63.0
15°	75.1	75.1	74.9	74.7	75.3	75.3	75.6	75.6	76.2	75.8	76.0
17.5°	88.2	88.1	88.1	87.9	88.4	88.4	88.4	88.8	89.6	88.8	89.4
20°	102.4	102.2	102.2	102.0	102.6	102.6	103.0	103.1	103.9	103.3	103.7
22.5°	117.7	117.5	117.5	117.5	118.2	118.4	118.4	119.0	120.0	119.0	119.8
25°	134.7	134.5	134.5	135.0	135.6	135.8	136.2	137.0	137.9	137.0	137.9
27.5°	152.8	152.6	153.0	153.8	154.3	154.7	155.3	155.5	156.8	155.9	157.2
30°	171.5	171.3	171.7	172.7	173.4	174.6	174.6	175.2	177.1	175.7	177.1
32.5°	190.1	189.9	190.4	191.6	192.7	193.9	194.1	194.8	196.7	195.8	197.1
35°	208.4	208.2	209.0	210.5	211.6	212.8	213.2	213.9	216.0	215.1	216.4
37.5°	225.8	225.8	226.5	228.3	229.6	231.1	230.9	231.9	233.8	233.2	234.6
40°	242.0	242.0	243.0	245.1	246.6	247.6	247.4	248.3	250.4	250.2	251.4
42.5°	256.7	256.7	258.1	260.2	261.7	262.3	262.3	263.2	265.5	265.3	266.5
45°	269.1	269.7	271.2	273.5	274.9	275.4	275.1	276.0	278.5	278.5	279.5
47.5°	280.6	281.4	282.9	285.2	286.1	286.7	286.3	287.1	289.6	290.0	290.9
50°	290.5	291.1	293.0	295.5	296.5	296.5	295.9	296.6	299.3	300.1	300.9
52.5°	299.1	299.7	301.8	304.5	305.1	304.9	304.1	304.9	307.5	308.3	308.9
55°	306.0	306.6	309.1	311.7	312.3	311.7	310.6	311.5	314.0	315.2	316.1
57.5°	311.5	312.1	315.0	317.7	318.2	317.1	315.8	316.7	319.6	320.9	321.3
60°	316.1	316.7	319.8	322.6	323.0	321.7	320.1	321.1	324.0	325.5	325.9
62.5°	319.8	320.3	323.6	326.8	327.0	325.3	323.6	324.5	327.4	329.1	329.7
65°	322.2	322.8	326.4	329.7	330.1	328.0	326.3	327.2	329.9	332.0	332.4
67.5°	324.0	324.5	328.5	332.0	332.2	329.9	328.0	328.7	331.8	333.9	334.3
70°	324.7	325.3	329.5	333.1	333.3	330.8	328.5	329.5	332.6	335.0	335.4
72.5°	324.9	325.7	330.1	333.7	333.9	331.0	328.7	329.5	332.8	335.6	335.8
75°	324.2	325.1	329.7	333.5	333.5	330.3	327.8	328.5	332.2	335.2	335.8
77.5°	323.2	323.8	328.5	332.4	332.2	328.7	325.9	327.0	330.6	334.1	334.5
80°	321.1	321.9	326.6	330.3	329.9	326.1	323.4	324.5	328.4	332.0	332.4
82.5°	318.4	319.2	324.0	327.2	326.8	322.8	320.1	321.5	325.5	329.3	329.7
85°	315.2	315.9	320.5	323.6	323.0	319.0	316.3	317.5	321.9	325.7	326.1
87.5°	311.0	311.7	316.3	319.0	318.4	314.2	311.9	313.5	317.5	321.5	321.7
90°	306.2	307.2	311.2	313.6	312.9	309.1	307.0	308.5	312.5	316.3	316.7
92.5°	301.4	301.8	305.6	307.7	307.2	303.7	301.8	303.5	307.2	311.0	311.0
95°	295.7	296.3	299.7	301.4	300.9	298.0	296.3	298.2	301.4	305.1	305.2
97.5°	289.6	290.2	293.0	294.7	294.2	291.7	290.5	292.4	295.3	298.8	298.9
100°	283.1	283.5	286.0	287.5	286.9	285.0	284.2	286.1	288.8	292.1	292.1
102.5°	275.8	276.2	278.1	279.1	278.9	277.4	277.4	279.5	281.6	284.6	285.0
105°	268.2	268.6	269.9	270.5	270.3	269.7	270.1	272.2	273.9	276.6	277.0
107.5°	259.6	260.0	260.7	260.9	260.9	260.9	262.3	264.2	266.1	268.0	268.2
110°	250.4	250.6	251.2	251.0	251.0	251.4	253.3	255.4	256.9	258.8	259.0

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

Scaled Data Report

REPORT NUMBER: P856388
CATALOG NUMBER: FFX-CLB-20-727-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	240.5	240.7	241.1	240.3	240.5	241.3	243.7	246.0	247.0	248.9	*248.9*
115°	230.0	229.8	230.2	229.2	229.0	230.4	233.0	235.7	236.5	237.8	*238.0*
117.5°	218.5	218.7	218.5	217.4	217.2	219.1	221.6	224.1	225.0	226.5	*226.2*
120°	206.7	206.5	206.7	205.3	205.2	207.3	209.7	212.2	212.8	214.1	*213.7*
122.5°	194.6	194.5	194.3	192.9	192.9	194.6	197.7	200.2	199.8	201.3	*201.1*
125°	182.2	182.2	181.8	180.5	180.5	182.6	185.1	187.4	187.0	188.7	*188.2*
127.5°	170.0	170.0	169.6	168.5	168.5	170.4	172.7	175.0	174.4	175.9	*175.4*
130°	158.0	158.0	157.6	156.4	156.4	158.0	160.5	162.4	161.6	162.9	*162.7*
132.5°	146.5	146.3	146.1	145.0	145.2	146.7	148.6	150.3	149.6	151.1	*150.5*
135°	135.4	135.2	135.0	133.9	134.1	135.6	137.3	138.7	138.1	139.1	*138.9*
137.5°	124.9	124.7	124.5	123.6	123.8	124.9	126.6	127.8	127.0	128.4	*127.8*
140°	115.0	114.8	114.4	113.8	114.0	115.2	116.1	117.5	116.7	117.9	*117.3*
142.5°	105.4	105.4	105.1	104.5	104.7	105.8	106.6	107.5	106.8	107.7	*107.4*
145°	96.7	96.7	96.3	95.9	95.9	96.8	97.4	98.4	97.6	98.6	*98.2*
147.5°	88.6	88.6	88.2	87.9	87.9	88.8	89.2	90.0	89.2	90.0	*89.6*
150°	81.2	81.2	81.0	80.6	80.8	81.2	81.6	82.1	81.6	82.1	*81.9*
152.5°	74.7	74.7	74.5	74.3	74.1	74.7	74.9	75.5	74.9	75.5	*75.1*
155°	69.0	68.8	68.8	68.4	68.4	68.8	69.0	69.3	68.8	69.3	*69.1*
157.5°	63.8	63.8	63.6	63.4	63.4	63.6	63.8	64.0	63.6	64.2	*63.8*
160°	59.4	59.4	59.2	59.0	59.0	59.2	59.2	59.4	59.0	59.4	*59.2*
162.5°	55.6	55.6	55.4	55.4	55.2	55.4	55.6	55.6	55.4	55.6	*55.4*
165°	52.5	52.5	52.3	52.1	52.1	52.3	52.3	52.5	52.1	52.3	*52.3*
167.5°	49.7	49.7	49.7	49.5	49.3	49.5	49.5	49.5	49.3	49.5	*49.5*
170°	47.6	47.6	47.6	47.4	47.2	47.4	47.4	47.4	47.2	47.4	*47.4*
172.5°	45.8	45.8	45.8	45.7	45.7	45.7	45.7	45.7	45.7	45.7	*45.7*
175°	44.7	44.7	44.7	44.7	44.5	44.7	44.7	44.7	44.7	44.7	*44.5*
177.5°	44.1	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	*43.9*
180°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	*43.7*

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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

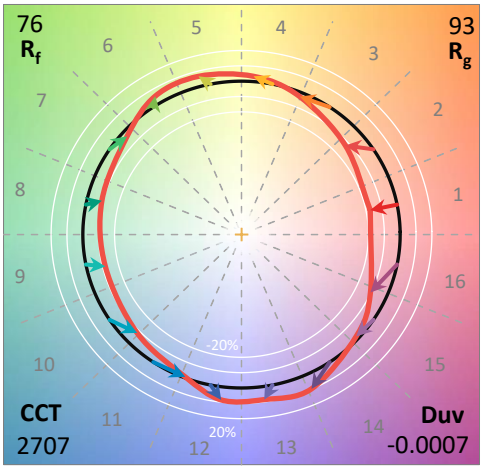
Test Information

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
1121 Highway 74 South
Peachtree City, GA 30269

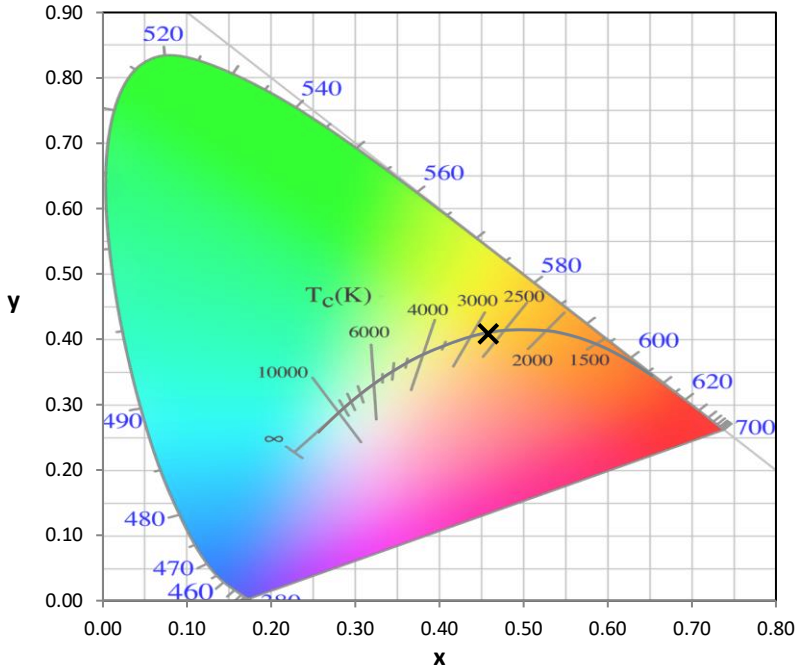
REPORT NUMBER: SP1-2406-133-3

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

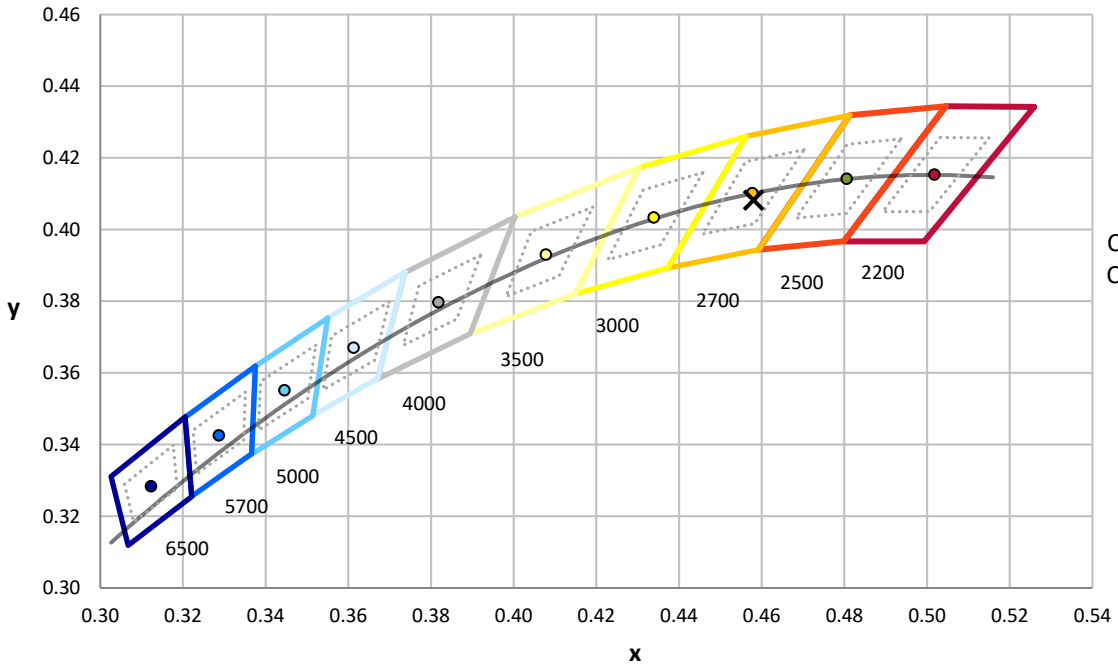
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-3

CIE 1931 Chromaticity Diagram



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



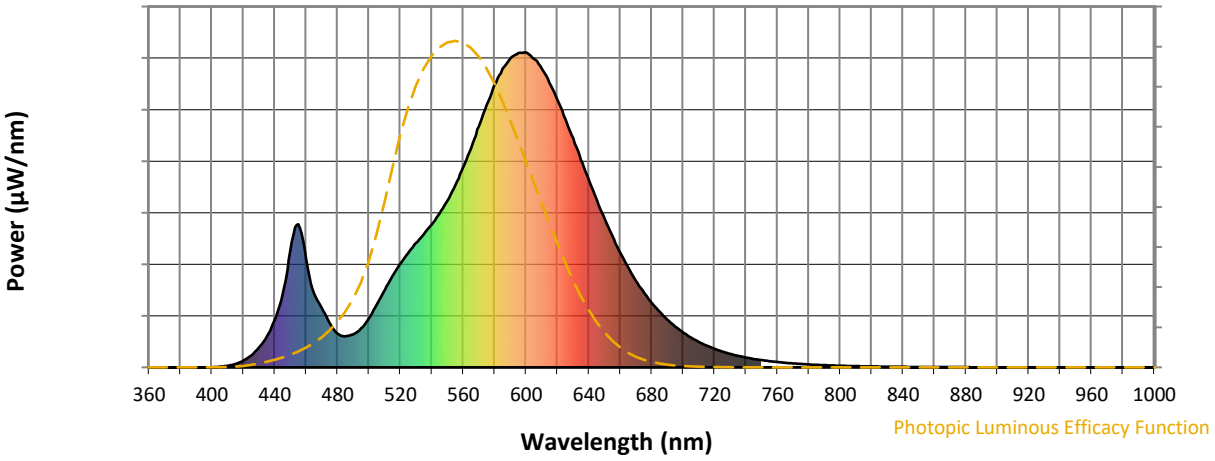
CCT = 2707K
CIE x = 0.4580
CIE y = 0.4082
Duv = -0.0007

Point lies inside the ANSI 2700K 4-step quadrangle

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

REPORT NUMBER: SP1-2406-133-3

Photopic Flux vs. Wavelength



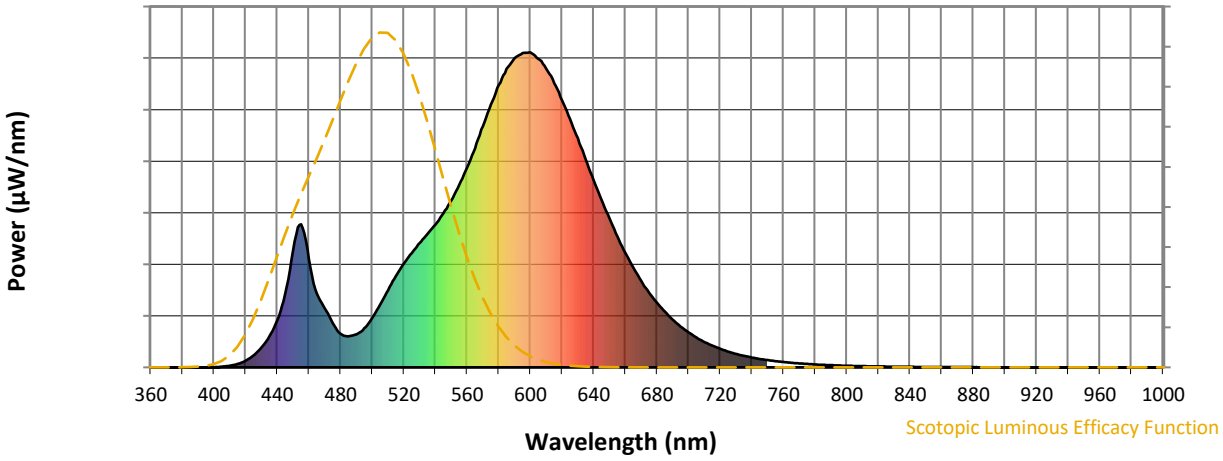
Photopic Lumens: NR

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			

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

REPORT NUMBER: SP1-2406-133-3

Scotopic Flux vs. Wavelength



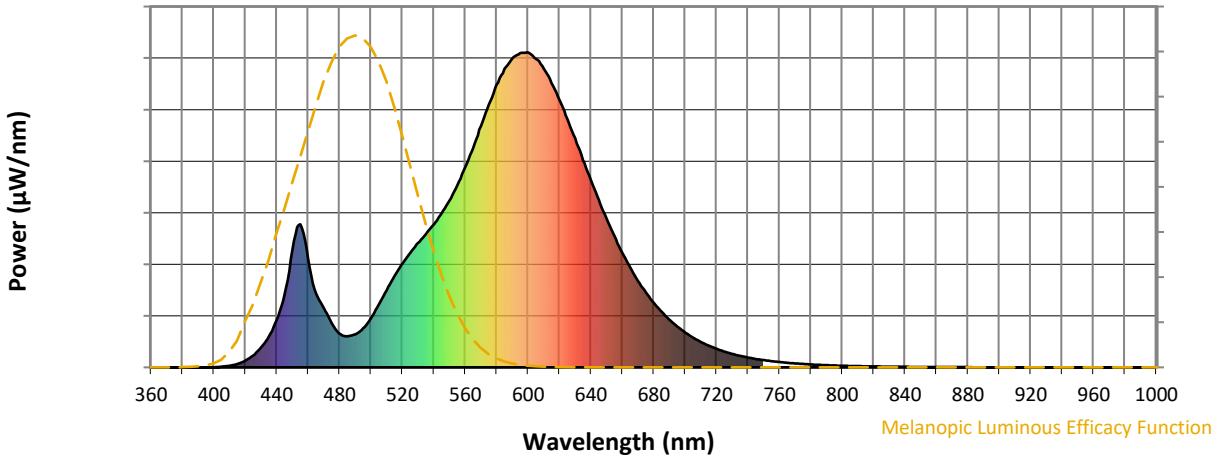
Scotopic Lumens: NR **S/P: 1.12**

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			

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

REPORT NUMBER: SP1-2406-133-3

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			

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

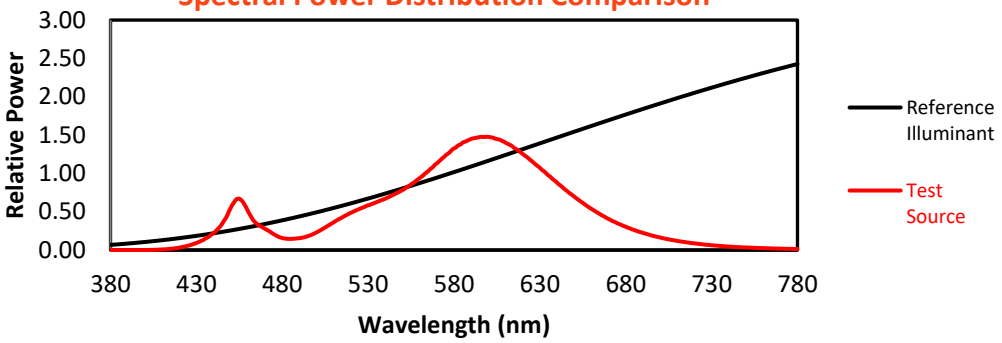
REPORT NUMBER: SP1-2406-133-3

TM-30-18

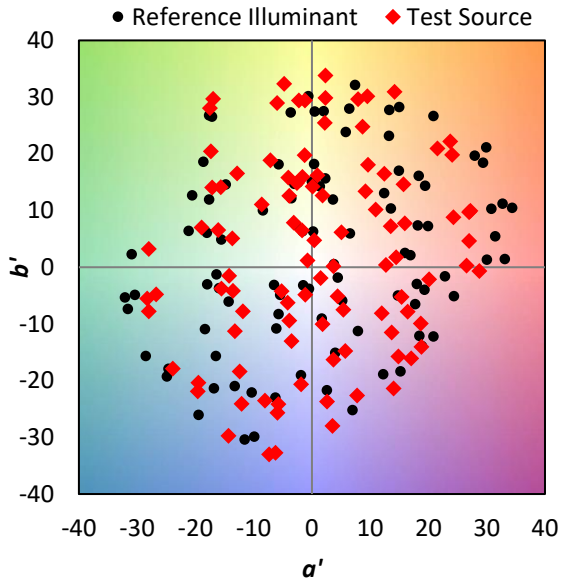
Summary

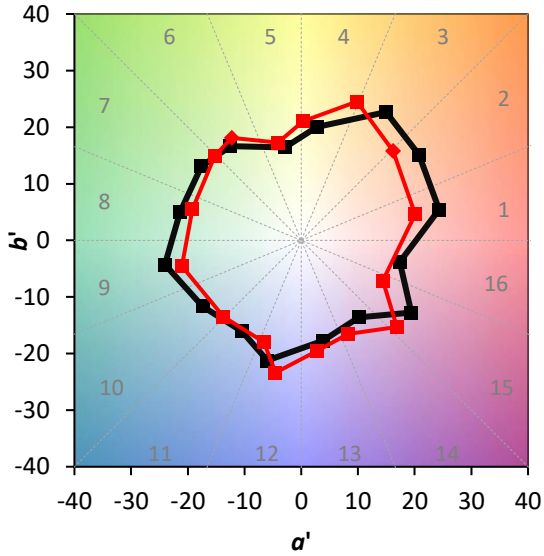
R_f = 75.5
R_g = 92.5
CIE R_a = 71.3
R_9 = -34.9

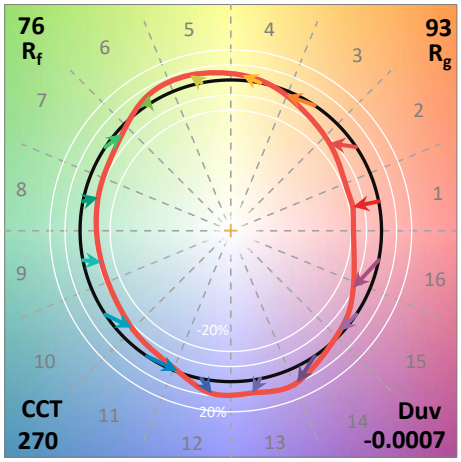
Spectral Power Distribution Comparison

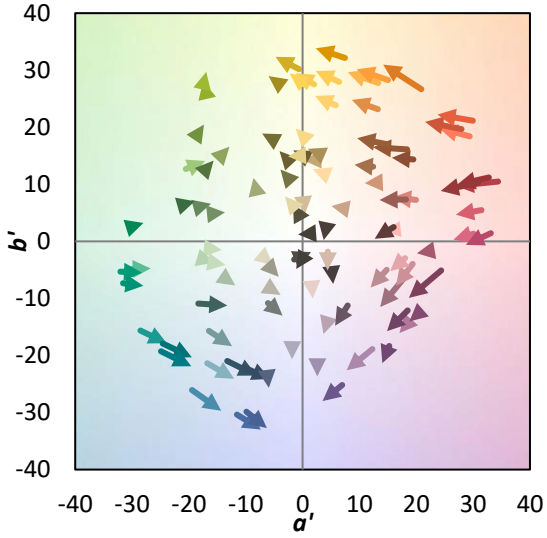


Color Vector Graphics









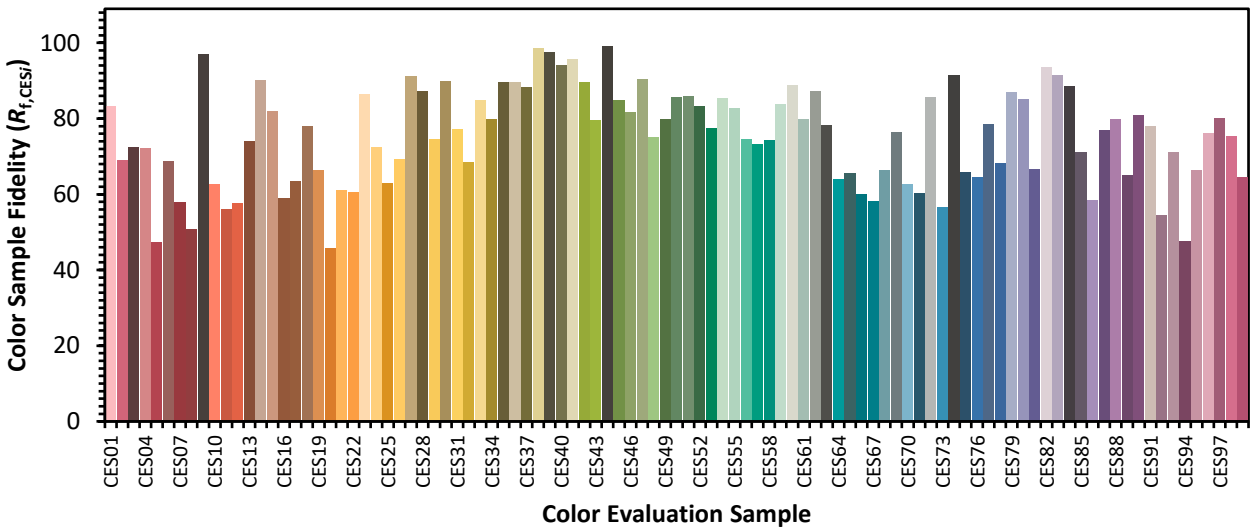
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-3

TM-30-18

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	

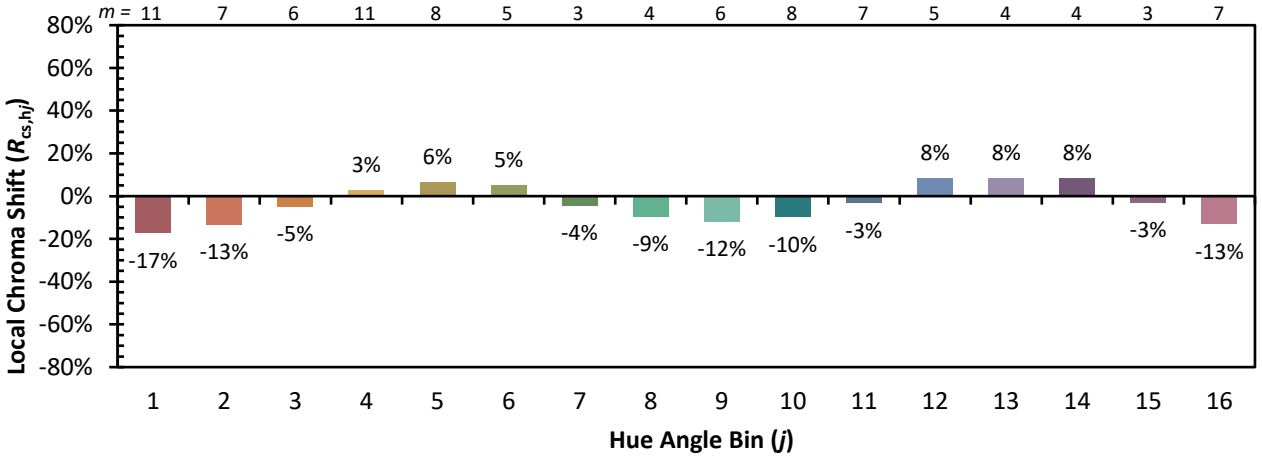


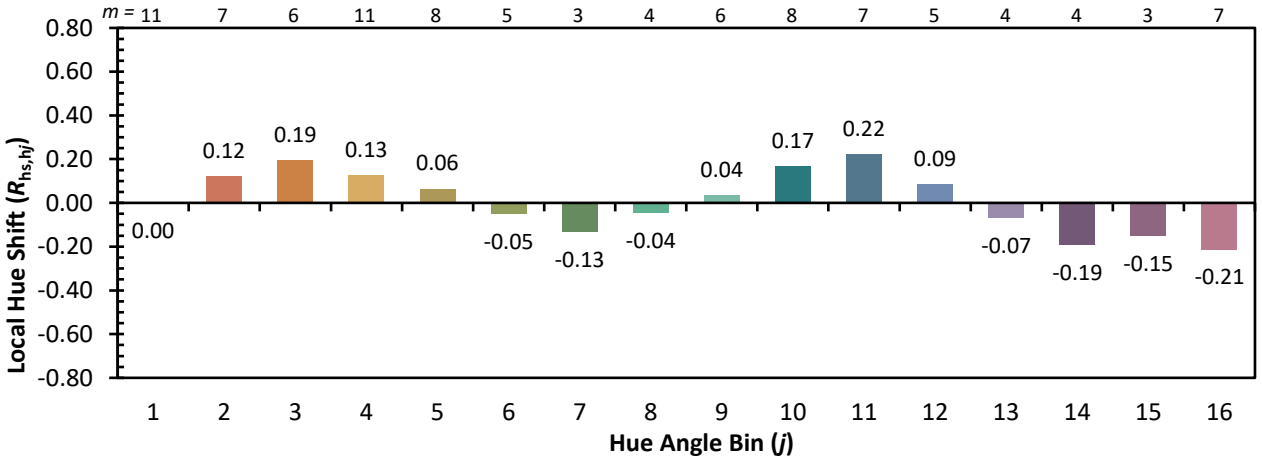
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

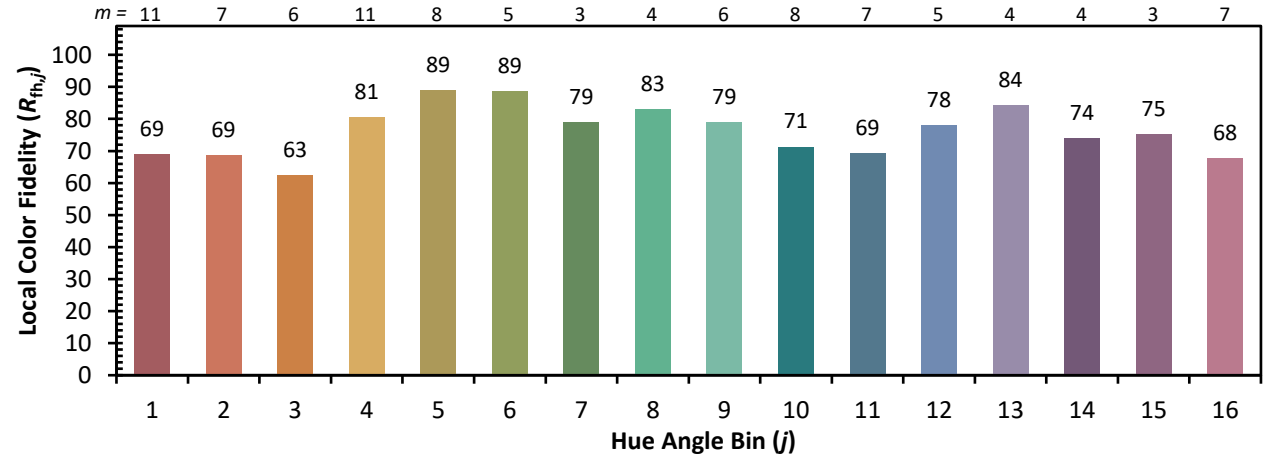
REPORT NUMBER: SP1-2406-133-3

TM-30-18

Color Rendition by Hue-Angle Bin





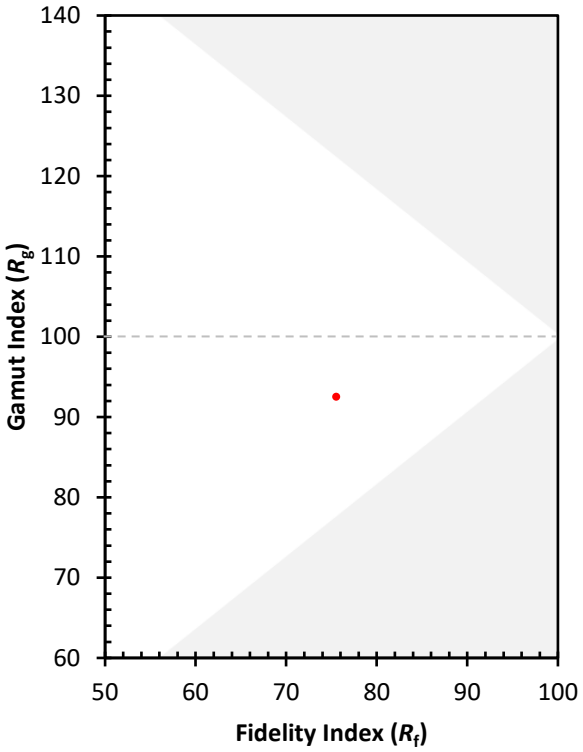


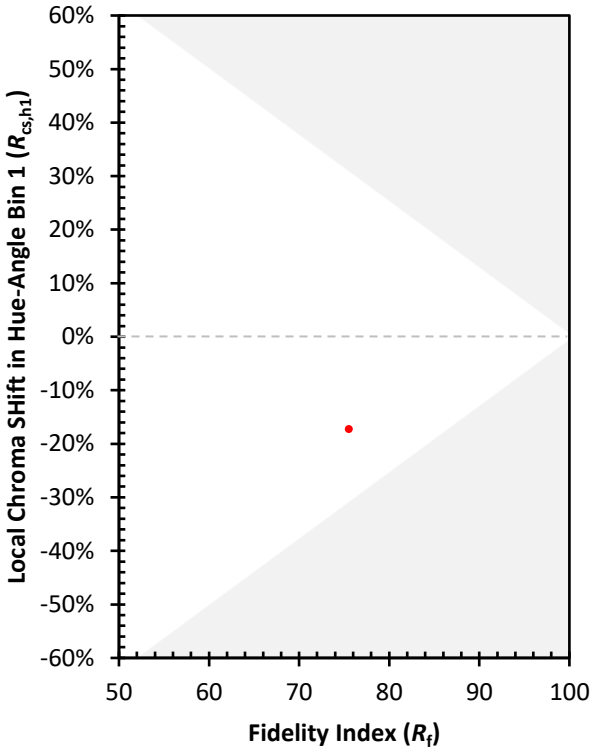
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-3

TM-30-18

Measure Comparisons





(END OF REPORT)