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: P856100

Luminaire Tested: **FFX-CLB-20-750-U-FR-T5**

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:	P856100
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-750-U-FR-T5
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3229.2 lumens
Efficiency:	N/A
Efficacy:	165.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type V - Short
BUG Rating:	B2 - U4 - G1

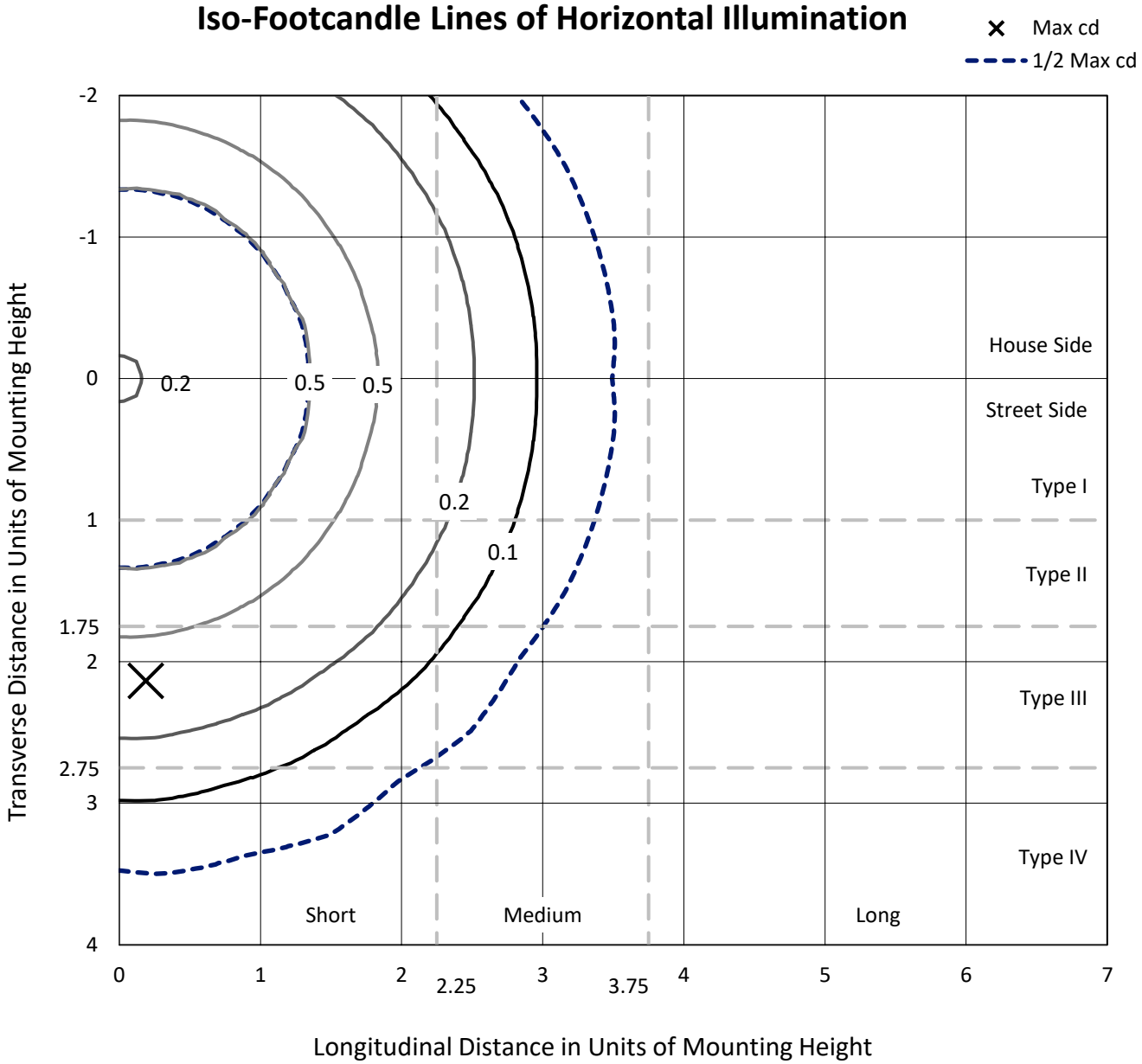
Input Watts (W):	19.5
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.8%%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P856100
CATALOG NUMBER: FFX-CLB-20-750-U-FR-T5

Iso-Footcandle Lines of Horizontal Illumination



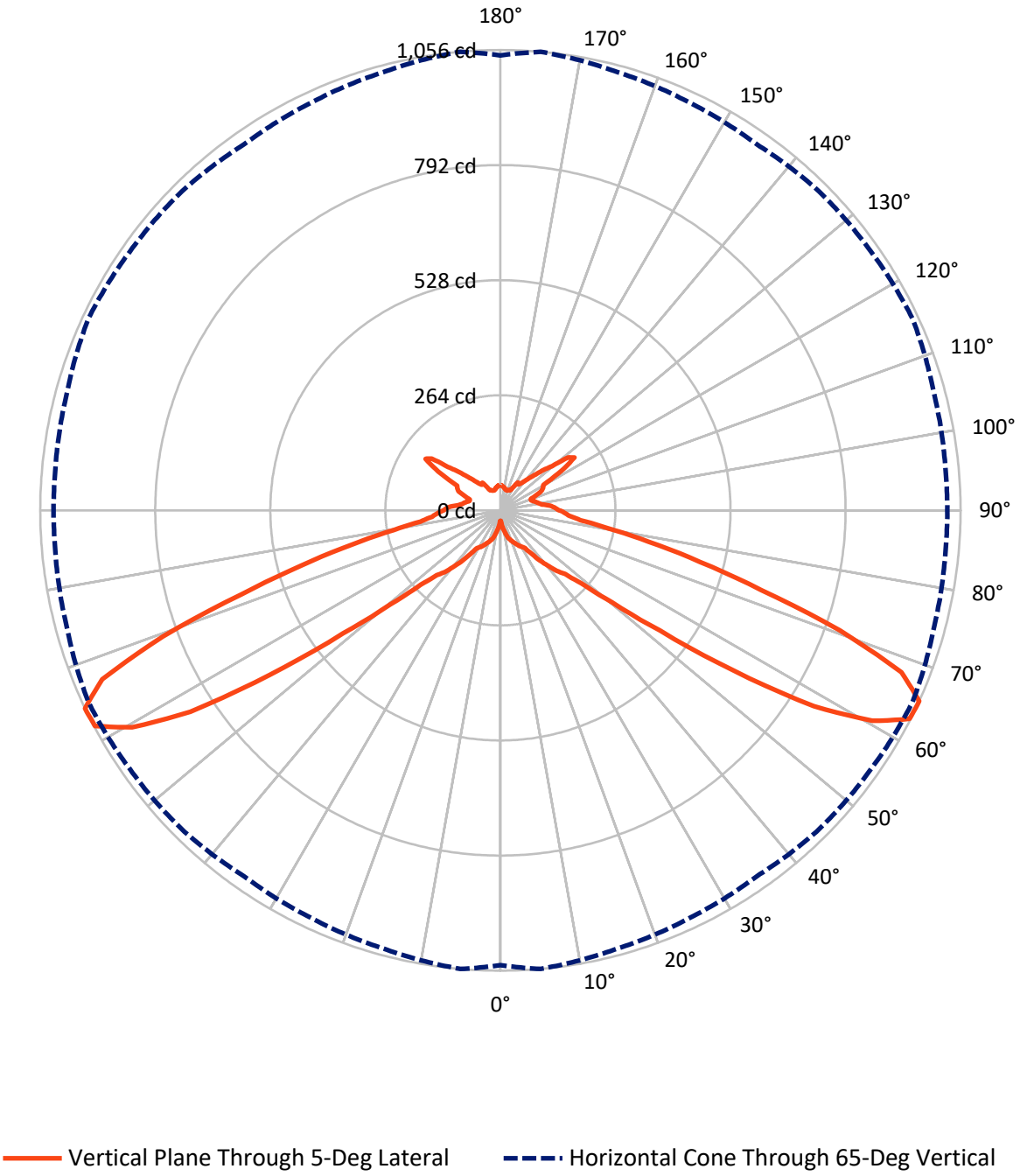
Based on 15 foot mounting height. Maximum calculated value = 0.6 fc
Type V - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P856100
CATALOG NUMBER: FFX-CLB-20-750-U-FR-T5

Luminous Intensity Polar Plot



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

Scaled Data Report

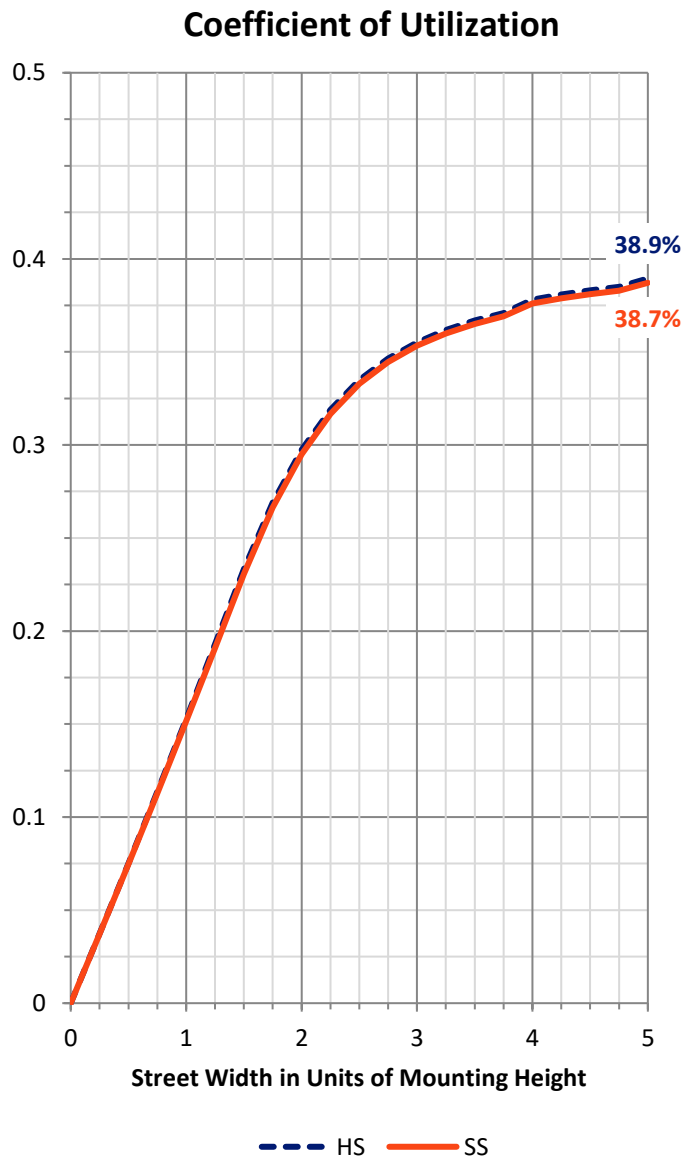
REPORT NUMBER: P856100
CATALOG NUMBER: FFX-CLB-20-750-U-FR-T5

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1301.2	313.4	1614.6
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	1301.2	313.4	1614.6
	% Fixture	40.3	9.7	50.0
Total	Lumens	2602.5	626.8	3229.2
	% Fixture	80.6	19.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	18.4	0.6
20°-30°	40.1	1.2
30°-40°	79.5	2.5
40°-50°	172.4	5.3
50°-60°	593.9	18.4
60°-70°	975.4	30.2
70°-80°	523.5	16.2
80°-90°	195.5	6.1
90°-100°	123.5	3.8
100°-110°	82.7	2.6
110°-120°	90.9	2.8
120°-130°	150.4	4.7
130°-140°	88.6	2.7
140°-150°	46.9	1.5
150°-160°	24.6	0.8
160°-170°	14.0	0.4
170°-180°	5.3	0.2
0°-90°	2602.5	80.6
0°-180°	3229.2	100.0



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

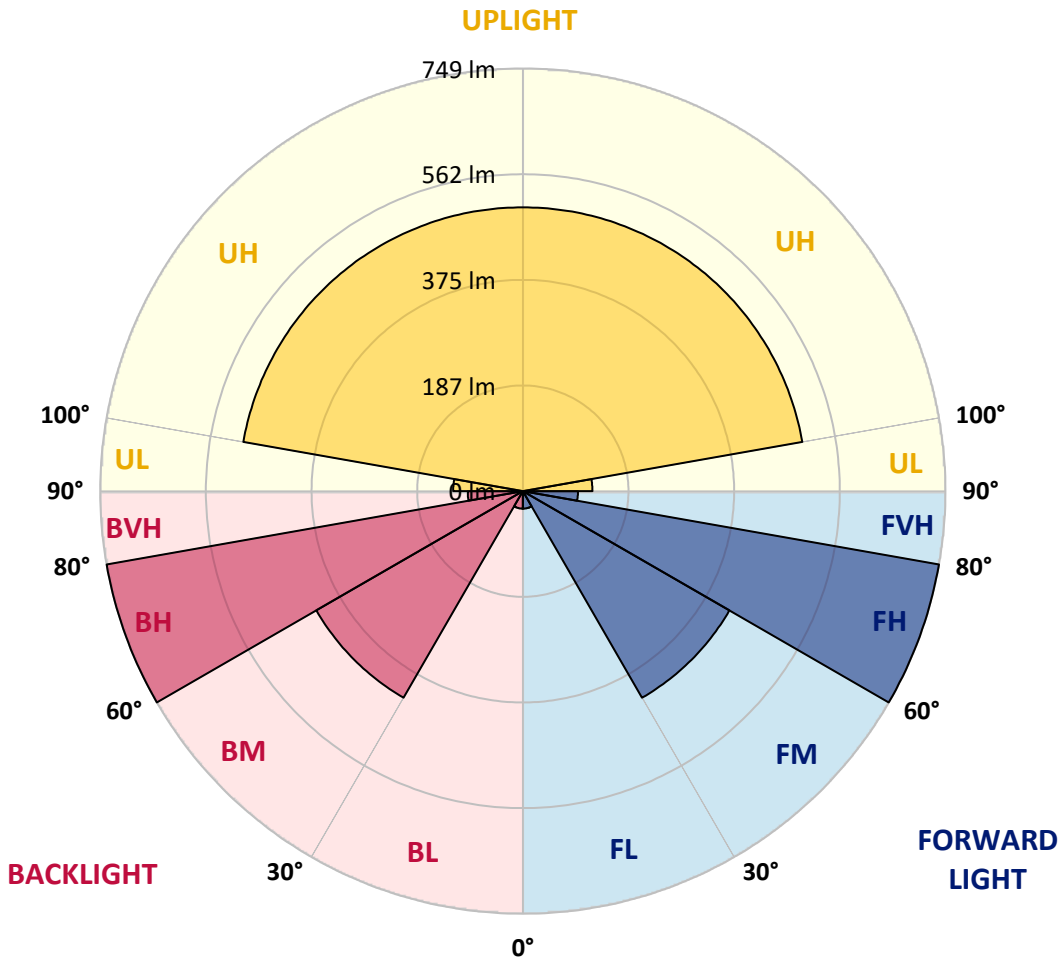
Scaled Data Report

REPORT NUMBER: P856100
CATALOG NUMBER: FFX-CLB-20-750-U-FR-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	31.1	1.0			
FM	(30°-60°)	422.9	13.1			
FH	(60°-80°)	749.5	23.2			G1/1800
FVH	(80°-90°)	97.8	3.0			G1/100
BL	(0°-30°)	31.1	1.0	B0/110		
BM	(30°-60°)	422.9	13.1	B1/1000		
BH	(60°-80°)	749.5	23.2	B2/1000		G1/1800
BVH	(80°-90°)	97.8	3.0			G1/100
UL	(90°-100°)	123.5	3.8		U3/500	
UH	(100°-180°)	503.3	15.6		U4/1000	

BUG Rating: B2-U4-G1
Type V Short



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

Scaled Data Report

REPORT NUMBER: P856100
CATALOG NUMBER: FFX-CLB-20-750-U-FR-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
2.5°	25.3	25.3	25.0	24.7	25.0	25.3	25.3	25.7	25.0	25.0	25.3
5°	33.9	33.9	33.9	33.6	32.9	32.9	32.6	33.6	33.9	34.2	34.2
7.5°	42.1	41.8	42.5	42.8	41.1	40.5	40.5	40.8	41.5	42.1	42.8
10°	47.7	47.4	47.7	49.0	48.7	47.7	47.7	47.7	48.7	50.4	50.7
12.5°	56.3	56.3	56.9	57.9	58.3	57.3	56.6	56.6	57.9	58.3	57.9
15°	65.5	65.5	65.2	64.8	65.2	64.8	64.8	65.2	66.2	65.8	65.8
17.5°	70.4	70.1	69.8	70.1	70.1	69.8	70.1	70.8	70.4	71.4	71.8
20°	75.7	75.7	75.0	75.0	75.0	75.4	75.7	75.4	75.7	76.0	76.4
22.5°	80.6	80.6	80.3	80.0	80.3	80.6	81.0	80.3	80.3	81.0	81.0
25°	86.2	86.2	86.2	85.2	85.6	85.9	85.6	85.2	85.6	85.9	86.2
27.5°	92.5	92.5	91.8	90.8	91.2	91.2	91.5	90.8	91.5	91.5	91.5
30°	97.8	97.1	96.8	96.1	96.1	96.8	97.4	96.4	96.8	96.8	97.1
32.5°	102.7	102.7	102.4	101.0	100.7	102.7	103.4	103.0	101.7	102.0	102.4
35°	121.1	121.1	118.8	116.5	118.5	118.2	120.8	120.8	120.8	121.5	122.8
37.5°	144.2	145.2	148.8	154.0	154.0	146.5	142.5	142.2	147.5	152.1	151.7
40°	164.6	165.6	164.6	165.2	164.6	164.9	165.2	164.6	161.6	160.6	158.6
42.5°	189.9	190.2	184.0	176.7	177.4	181.0	185.3	185.6	179.4	176.4	175.8
45°	207.7	208.3	206.0	205.1	205.1	206.4	206.0	206.0	203.7	203.4	202.8
47.5°	251.1	249.8	245.2	243.6	245.5	244.6	250.8	249.2	246.5	246.5	248.8
50°	333.1	331.8	332.1	330.5	335.7	328.2	335.7	333.7	329.8	331.8	333.4
52.5°	467.1	458.8	459.8	456.5	465.7	458.8	471.3	469.7	456.8	462.4	462.8
55°	659.9	649.4	648.7	626.7	643.8	646.1	661.9	665.9	640.8	641.2	642.8
57.5°	851.2	847.9	858.4	844.6	856.8	851.2	850.8	858.1	843.6	845.6	850.8
60°	977.9	980.5	992.4	996.0	1000.3	992.4	976.2	979.5	978.5	995.3	996.6
62.5°	1045.7	1053.6	1045.0	1042.4	1038.8	1041.7	1039.8	1041.7	1035.8	1043.7	1044.0
65°	1043.4	1055.9	1040.4	1030.9	1024.9	1034.2	1036.8	1042.7	1030.2	1025.3	1025.3
67.5°	977.2	992.4	968.0	967.0	952.5	968.0	963.7	968.3	958.5	951.5	945.0
70°	813.0	826.8	797.5	801.1	776.1	801.5	794.9	803.4	795.5	782.0	774.1
72.5°	612.5	624.7	603.0	608.6	592.1	611.2	601.0	615.5	610.6	604.6	598.0
75°	463.4	473.0	474.3	493.1	473.3	482.5	464.1	472.6	480.9	487.8	480.5
77.5°	341.0	347.6	367.3	388.1	368.6	375.2	356.8	365.0	372.6	384.4	379.2
80°	240.9	248.5	266.6	282.1	267.9	273.8	262.0	266.6	272.5	281.1	275.5
82.5°	187.6	185.0	184.3	180.4	176.1	190.9	193.9	196.5	190.9	188.6	186.0
85°	157.3	158.0	161.9	166.9	166.9	167.2	164.2	165.6	167.9	172.1	172.5
87.5°	144.5	146.5	157.7	161.6	160.0	160.6	158.0	158.6	160.3	162.6	161.9
90°	127.4	132.3	142.8	146.8	144.2	145.5	144.2	145.2	143.8	144.5	143.2
92.5°	124.4	124.1	127.4	127.0	125.4	129.4	129.4	130.0	128.4	127.4	126.7
95°	115.2	114.5	114.2	115.2	111.6	114.5	113.9	115.2	114.5	114.5	113.2
97.5°	96.4	96.4	95.8	96.8	94.5	95.8	94.1	95.1	94.8	95.1	94.1
100°	88.9	88.9	88.2	88.2	87.2	87.6	86.9	86.9	86.6	86.2	86.2
102.5°	83.6	84.3	83.3	83.6	82.3	82.3	81.6	82.0	81.6	81.6	81.3
105°	78.7	79.0	78.3	78.3	77.3	77.0	76.4	76.7	77.0	76.4	76.4
107.5°	73.7	74.1	73.7	73.7	72.7	72.1	71.1	71.1	71.4	71.8	71.8
110°	75.7	74.7	73.7	73.1	74.4	72.4	71.8	71.4	71.8	72.7	73.1

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

Scaled Data Report

REPORT NUMBER: P856100
CATALOG NUMBER: FFX-CLB-20-750-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	90.5	*89.9*	89.9	86.9	90.2	88.2	86.9	84.6	85.6	86.2	86.2
115°	105.0	*105.3*	101.4	100.1	98.1	97.8	98.7	96.1	95.8	96.1	95.5
117.5°	117.8	*110.9*	96.1	92.2	91.2	90.5	89.9	89.2	88.5	92.5	88.2
120°	126.1	*114.2*	103.4	101.0	106.6	98.7	93.5	92.5	94.5	101.4	100.4
122.5°	178.7	*168.5*	160.6	146.8	160.6	152.7	154.7	151.1	149.1	145.2	145.8
125°	209.0	*208.7*	205.1	202.4	205.7	202.8	199.5	198.1	196.2	197.2	195.5
127.5°	194.2	*197.2*	192.5	197.8	186.0	189.3	188.6	190.9	188.9	189.6	187.0
130°	153.7	*156.0*	151.7	149.1	143.8	149.8	150.1	153.7	149.8	144.5	143.8
132.5°	134.3	*135.9*	129.4	126.1	122.4	127.7	130.0	132.0	129.4	123.8	122.4
135°	114.2	*114.9*	110.3	110.9	108.6	108.6	108.3	109.3	110.6	109.6	108.9
137.5°	98.1	*99.7*	98.1	100.1	98.1	96.4	93.8	94.8	97.8	100.1	99.7
140°	84.9	*86.6*	86.9	88.9	84.9	85.6	83.9	84.6	86.2	88.5	89.5
142.5°	75.4	*76.7*	73.7	72.1	70.8	74.7	77.7	78.0	76.0	73.4	74.4
145°	73.4	*72.1*	73.4	72.1	73.4	72.7	73.1	72.7	72.7	72.7	72.7
147.5°	74.4	*75.7*	75.7	75.7	73.7	74.1	74.4	74.7	74.7	76.0	75.7
150°	61.9	*63.5*	63.2	64.8	61.9	62.5	62.9	63.5	63.9	64.2	64.5
152.5°	52.3	*52.7*	53.6	54.3	54.0	53.6	53.3	53.3	54.0	54.6	55.0
155°	51.0	*51.0*	52.0	53.0	52.0	52.0	51.7	51.7	52.0	53.0	53.0
157.5°	49.0	*49.4*	49.4	50.0	49.4	49.7	49.4	49.4	49.7	50.0	50.4
160°	48.1	*48.4*	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7	48.7
162.5°	48.1	*48.1*	48.1	47.7	47.7	48.1	48.1	48.1	48.1	47.7	48.1
165°	49.0	*48.7*	48.4	48.1	48.4	49.0	49.4	49.4	49.0	48.4	48.7
167.5°	51.0	*51.0*	50.7	50.4	50.7	51.0	51.3	51.3	51.0	50.7	50.7
170°	53.0	*52.7*	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
172.5°	54.3	*54.3*	54.6	54.3	54.6	54.6	54.3	54.3	54.3	54.3	54.6
175°	56.3	*56.3*	56.3	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6
177.5°	57.6	*57.6*	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
180°	57.9	*57.9*	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9

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: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.03

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

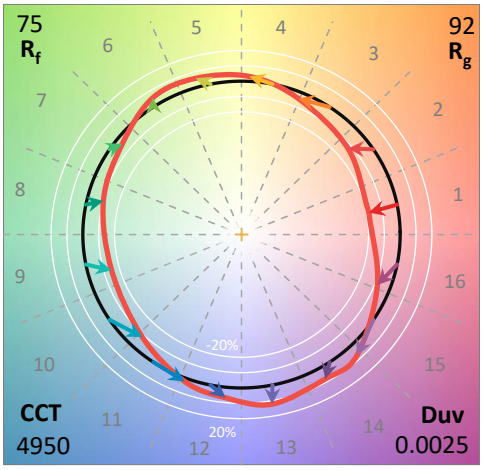
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2406-133-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4950
CIE u':	0.2102
CIE v':	0.4882
Duv:	0.0025
CIE x:	0.3471
CIE y:	0.3583
CIE z:	0.2946
Peak Wavelength (nm):	452
Dominant Wavelength (nm):	571
Purity:	11.64963
Rf:	74.8
Rg:	92.4

CRI (Ra):	73.0
R1:	69.1
R2:	80.1
R3:	87.3
R4:	70.6
R5:	69.4
R6:	71.2
R7:	82.5
R8:	53.6
R9:	-35.4
R10:	51.9
R11:	66.1
R12:	40.1
R13:	71.5
R14:	93.0
R15:	62.2



Test Conditions

Stabilization Time:	0.803355M
Operation Time:	1H
Sphere Temperature (°C):	24.7

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

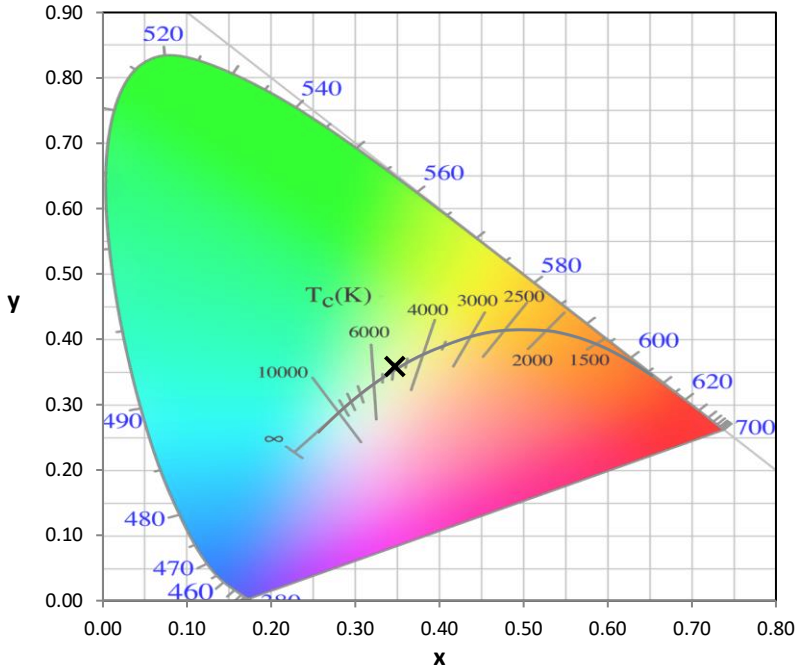
REPORT NUMBER: SP1-2406-133-5

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

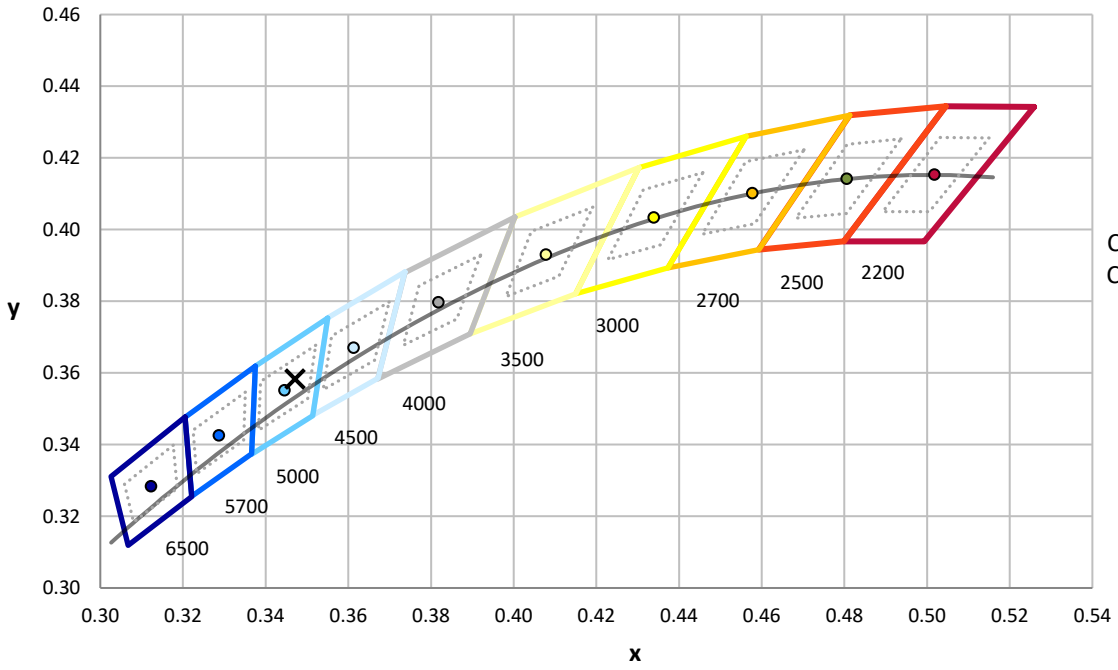
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-5

CIE 1931 Chromaticity Diagram



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



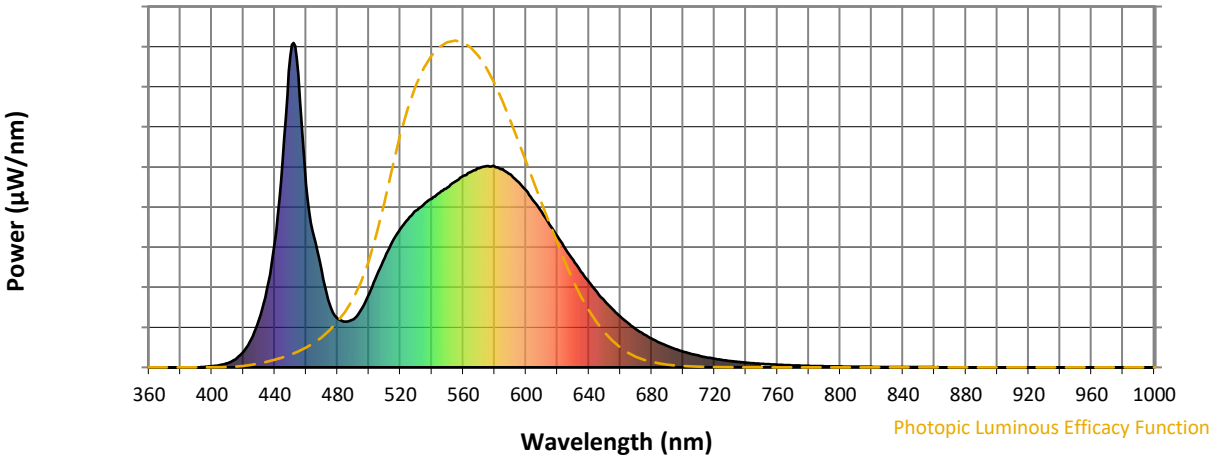
CCT = 4950K
CIE x = 0.3471
CIE y = 0.3583
Duv = 0.0025

Point lies inside the ANSI 5000K 4-step quadrangle

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

REPORT NUMBER: SP1-2406-133-5

Photopic Flux vs. Wavelength



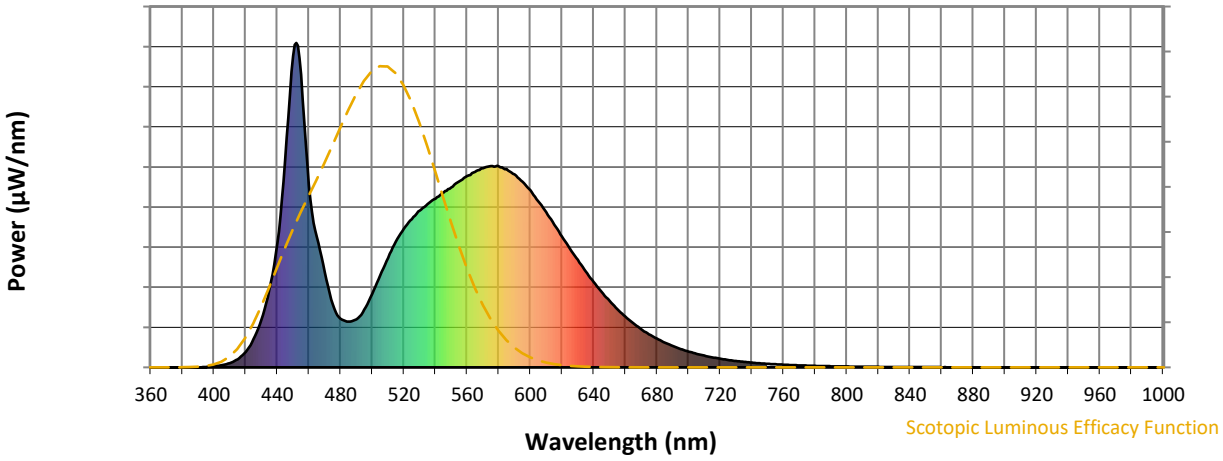
Photopic Lumens: NR

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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

REPORT NUMBER: SP1-2406-133-5

Scotopic Flux vs. Wavelength



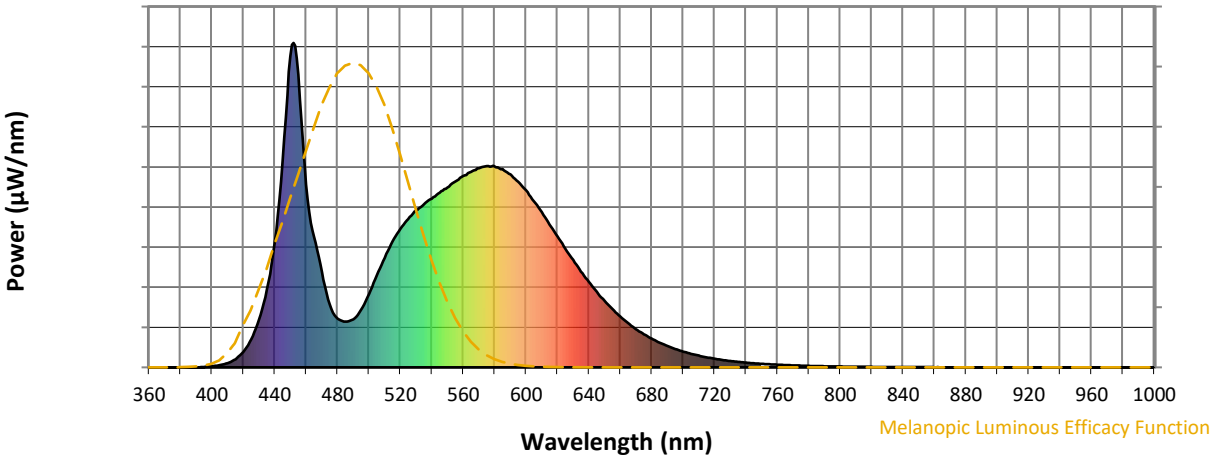
Scotopic Lumens: NR **S/P: 1.8**

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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

REPORT NUMBER: SP1-2406-133-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.74**

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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

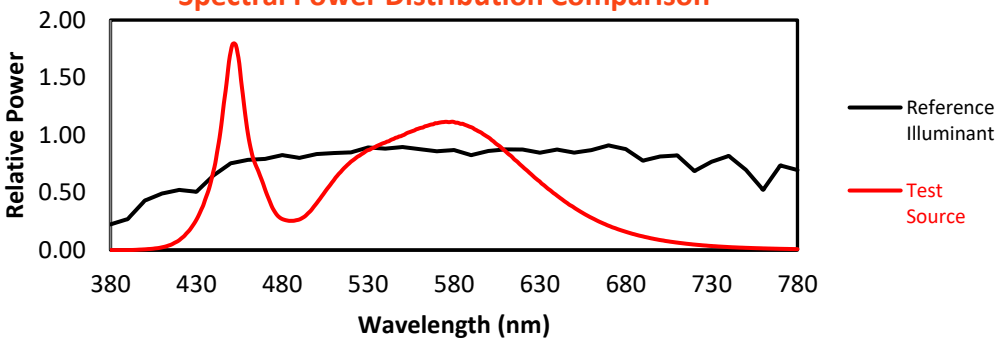
REPORT NUMBER: SP1-2406-133-5

TM-30-18

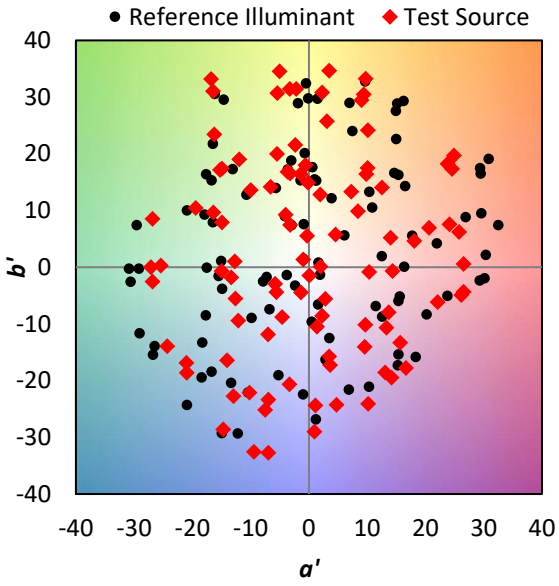
Summary

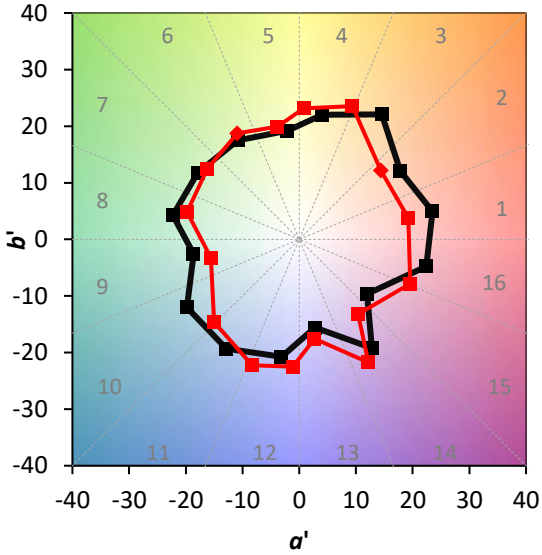
R_f = 74.8
R_g = 92.4
CIE R_a = 73.0
R_9 = -35.4

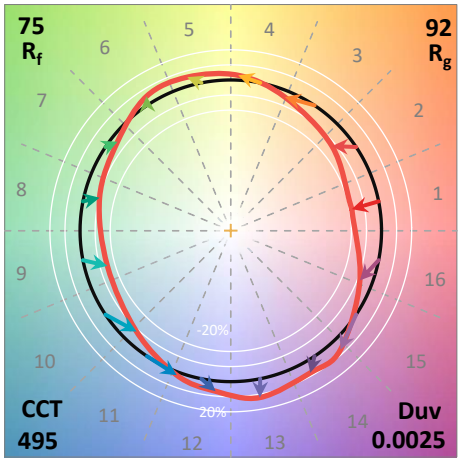
Spectral Power Distribution Comparison

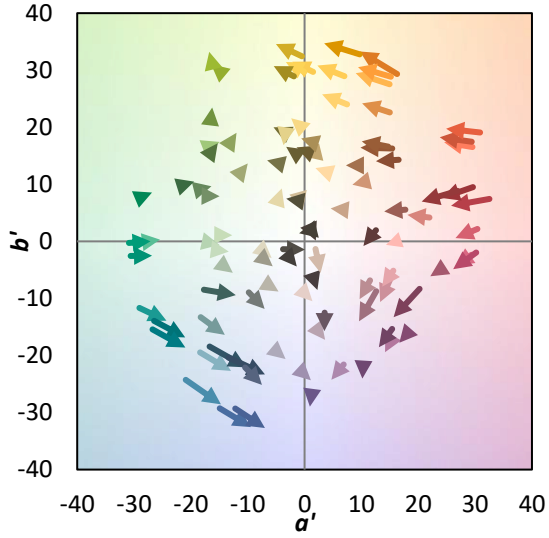


Color Vector Graphics









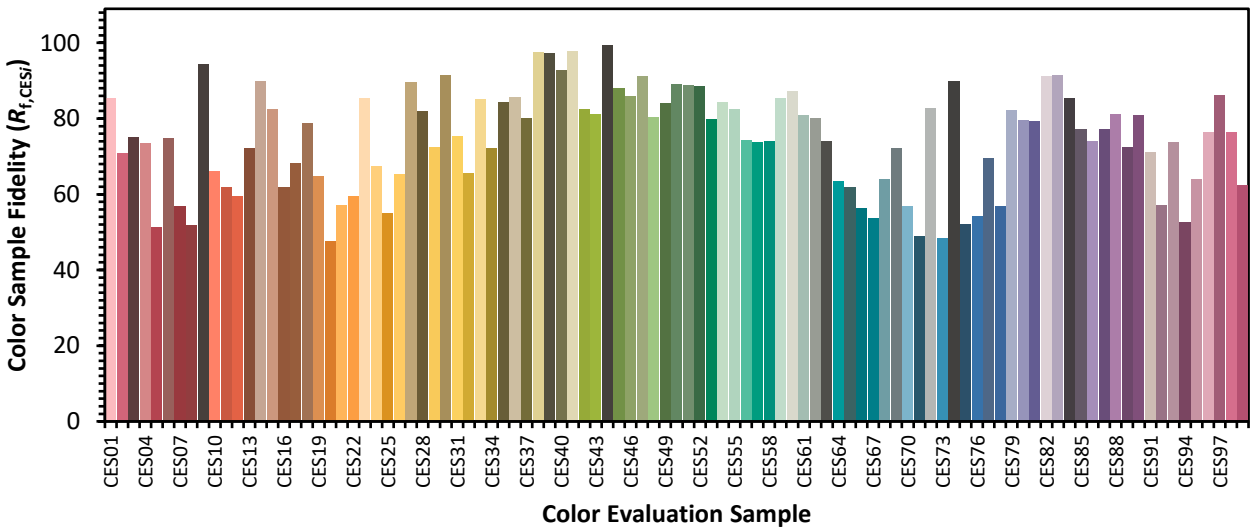
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-5

TM-30-18

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

CES01 = 85	CES26 = 65	CES51 = 89	CES76 = 54
CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	

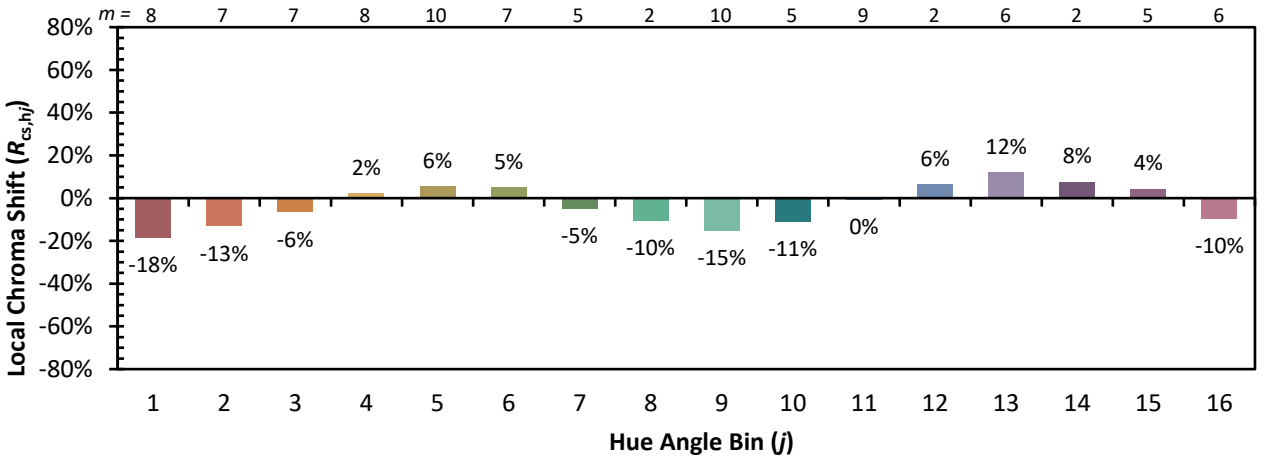


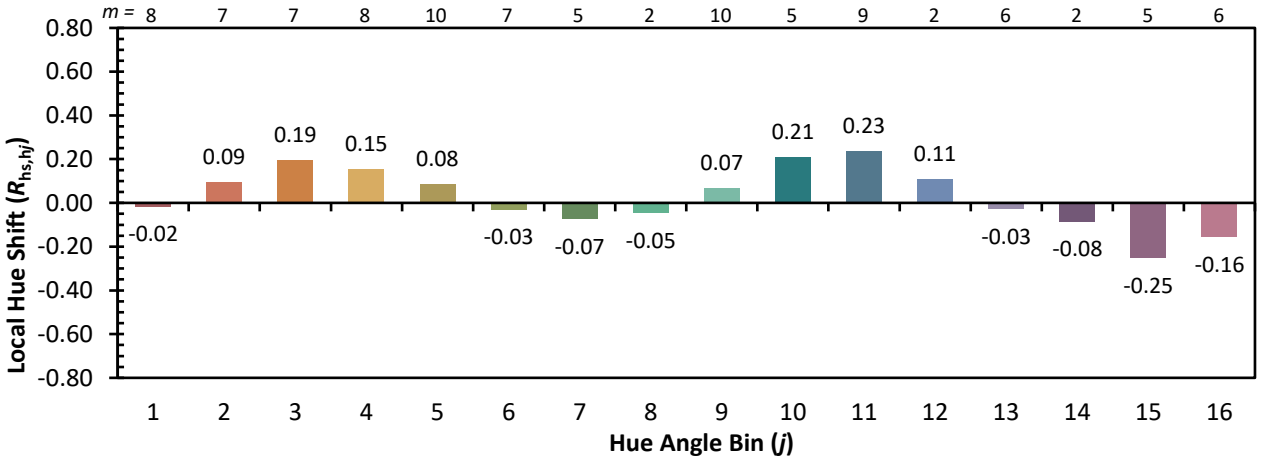
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

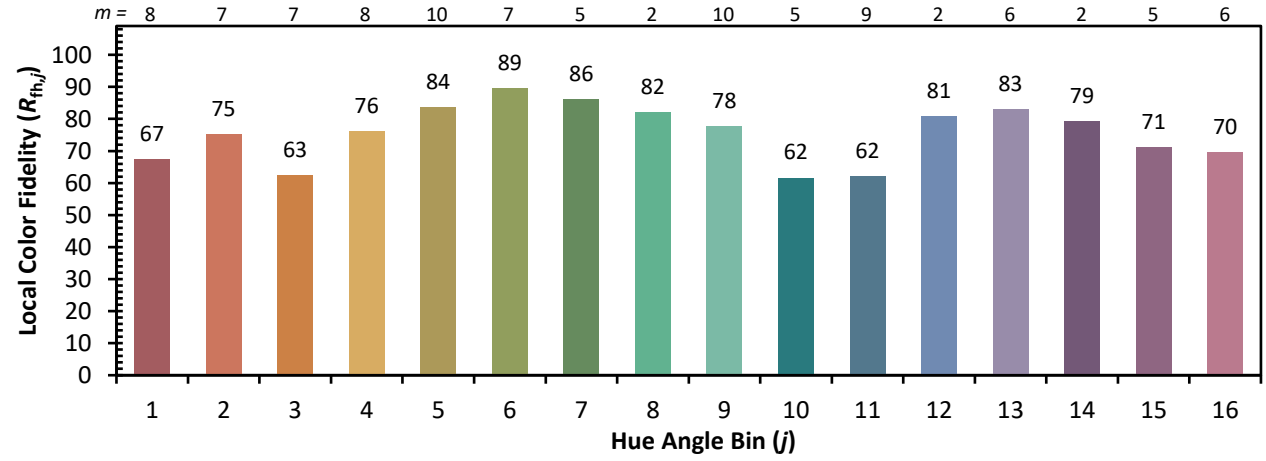
REPORT NUMBER: SP1-2406-133-5

TM-30-18

Color Rendition by Hue-Angle Bin





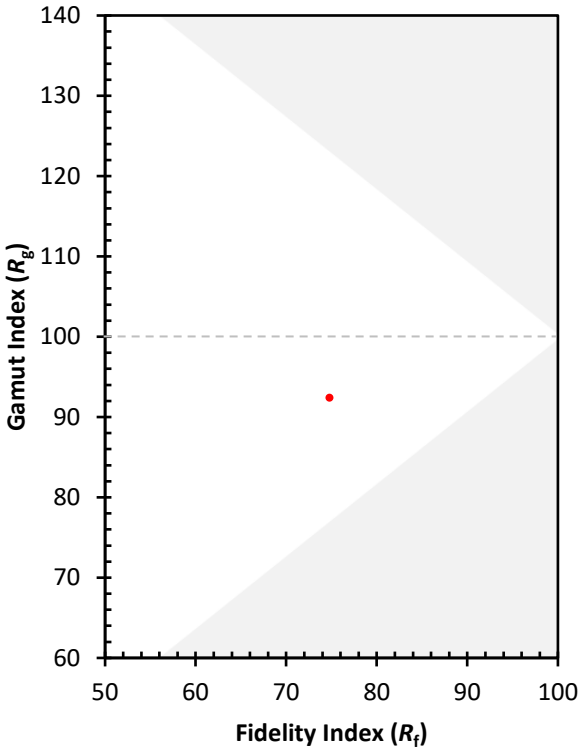


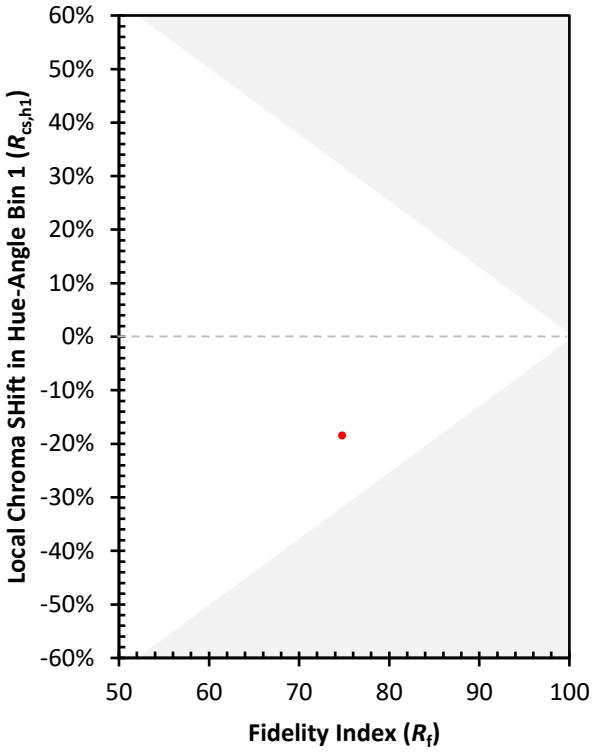
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-5

TM-30-18

Measure Comparisons





(END OF REPORT)