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: P856250

Luminaire Tested: **FFX-CLB-50-727-U-PG**

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:	P856250
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-727-U-PG
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7694.4 lumens
Efficiency:	N/A
Efficacy:	152.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification:	Type V - Short
BUG Rating:	B2 - U5 - G3

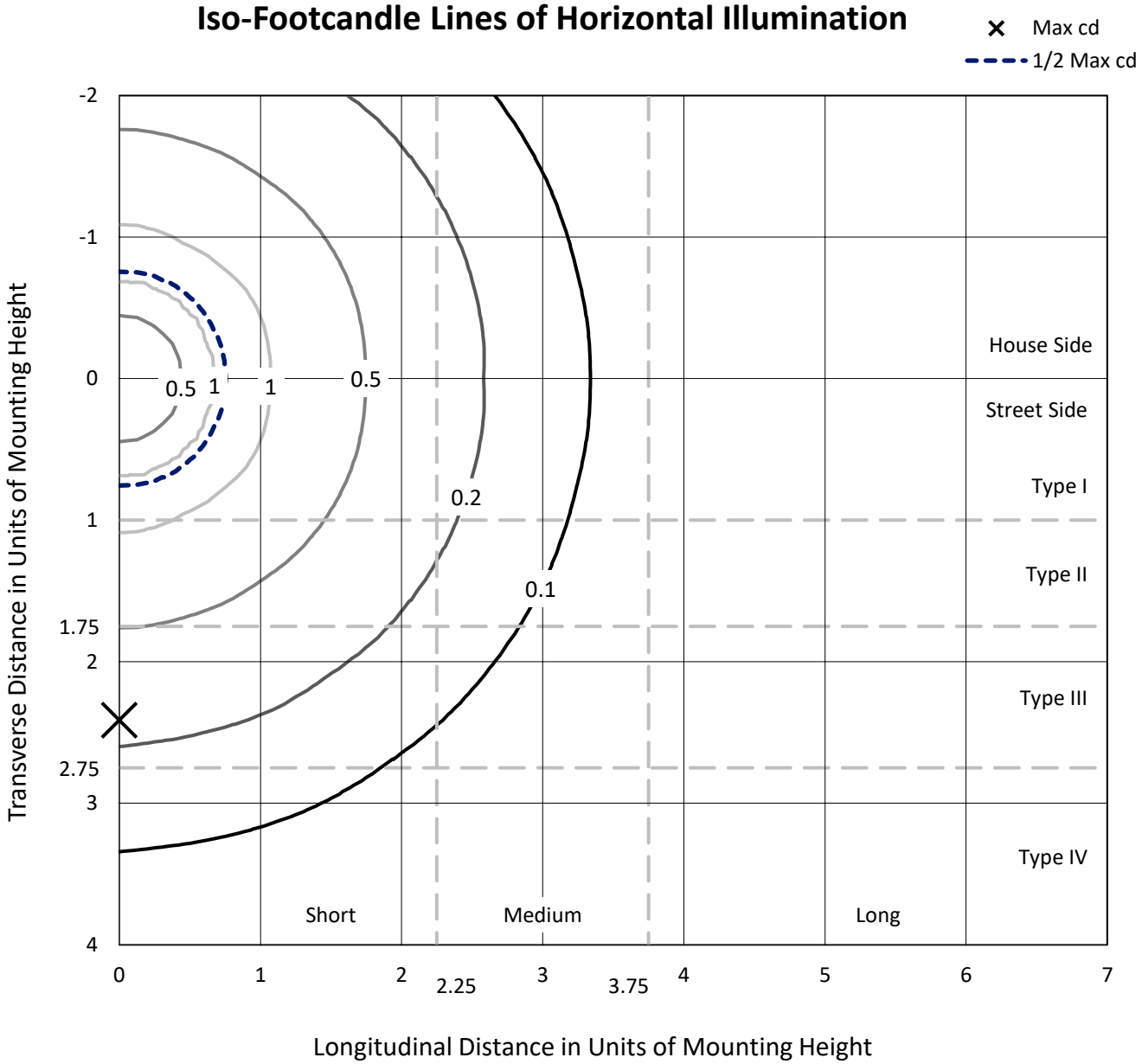
Input Watts (W):	50.5
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.0%%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P856250
CATALOG NUMBER: FFX-CLB-50-727-U-PG

Iso-Footcandle Lines of Horizontal Illumination



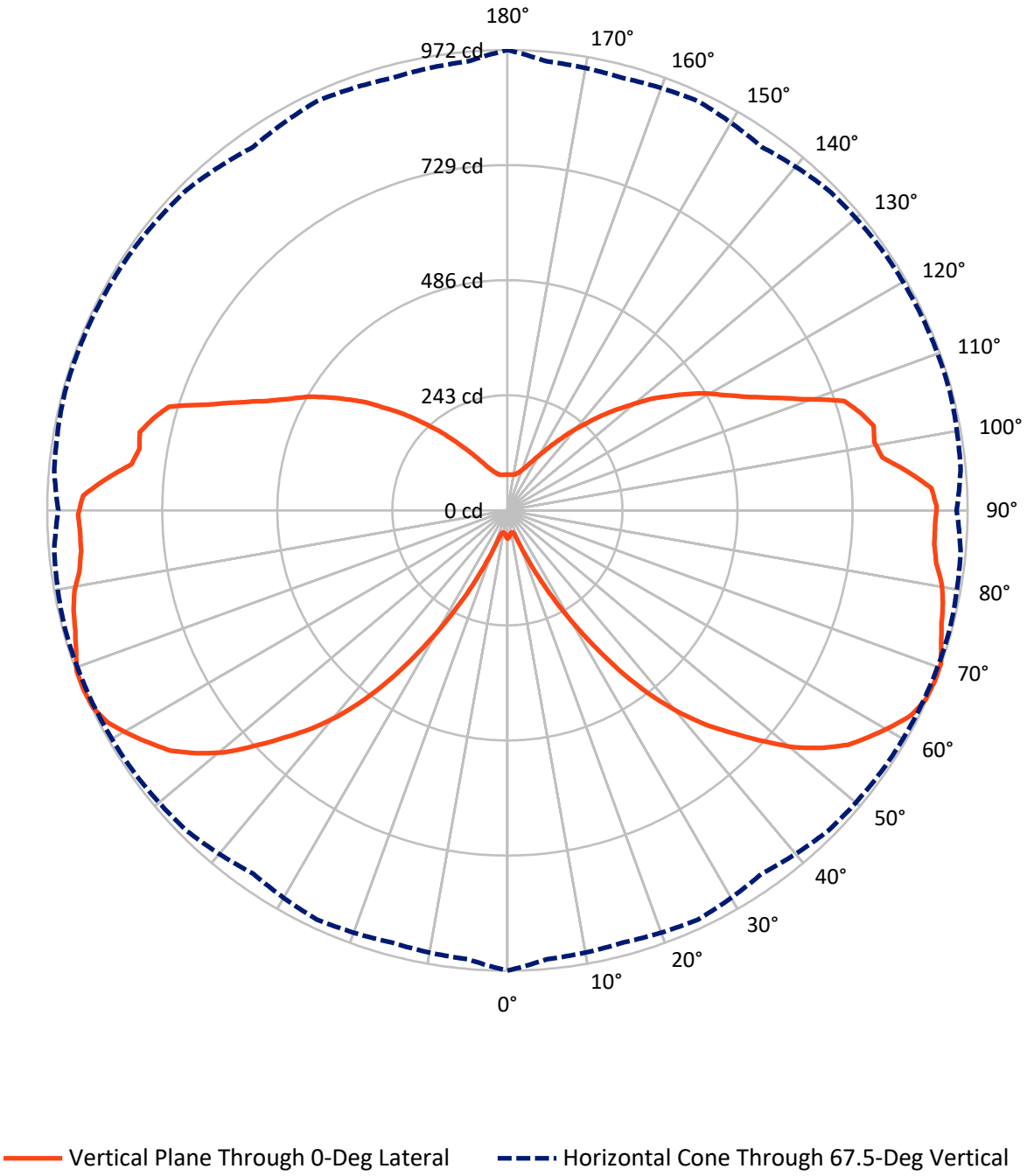
Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
Type V - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P856250
CATALOG NUMBER: FFX-CLB-50-727-U-PG

Luminous Intensity Polar Plot



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

Scaled Data Report

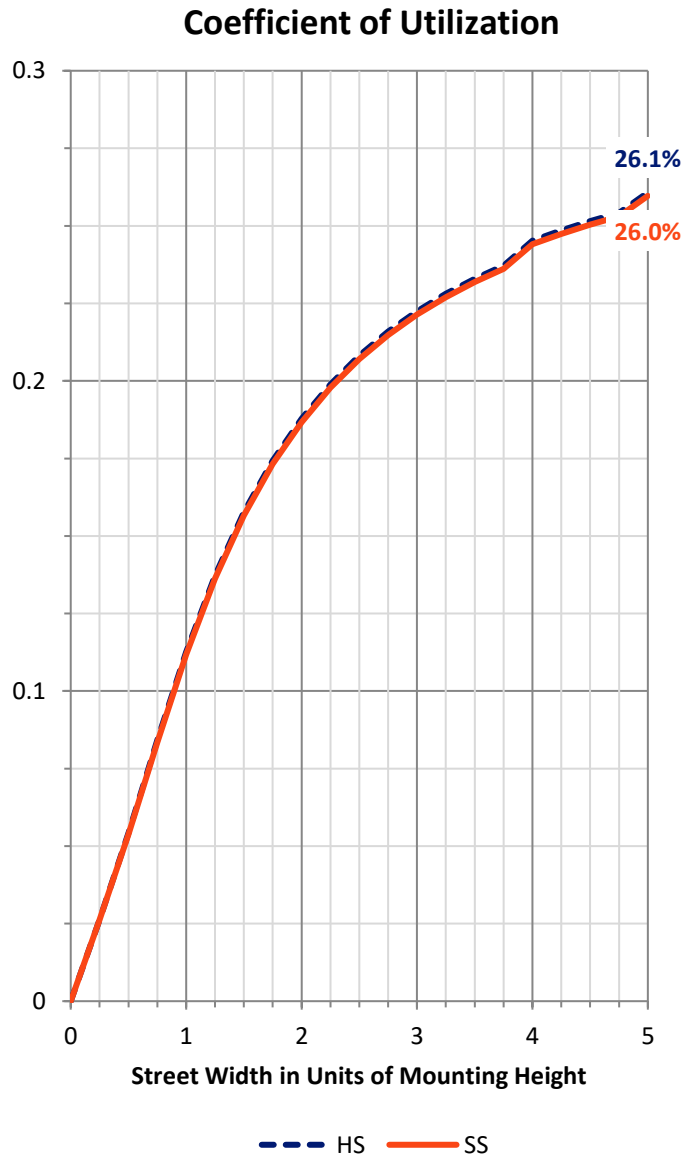
REPORT NUMBER: P856250
CATALOG NUMBER: FFX-CLB-50-727-U-PG

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2295.4	1551.8	3847.2
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	2295.4	1551.8	3847.2
	% Fixture	29.8	20.2	50.0
Total	Lumens	4590.8	3103.6	7694.4
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	16.4	0.2
20°-30°	82.2	1.1
30°-40°	270.0	3.5
40°-50°	522.2	6.8
50°-60°	772.7	10.0
60°-70°	939.5	12.2
70°-80°	991.8	12.9
80°-90°	991.0	12.9
90°-100°	927.1	12.0
100°-110°	824.8	10.7
110°-120°	564.1	7.3
120°-130°	378.9	4.9
130°-140°	220.0	2.9
140°-150°	108.3	1.4
150°-160°	50.0	0.7
160°-170°	23.1	0.3
170°-180°	7.2	0.1
0°-90°	4590.8	59.7
0°-180°	7694.4	100.0



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

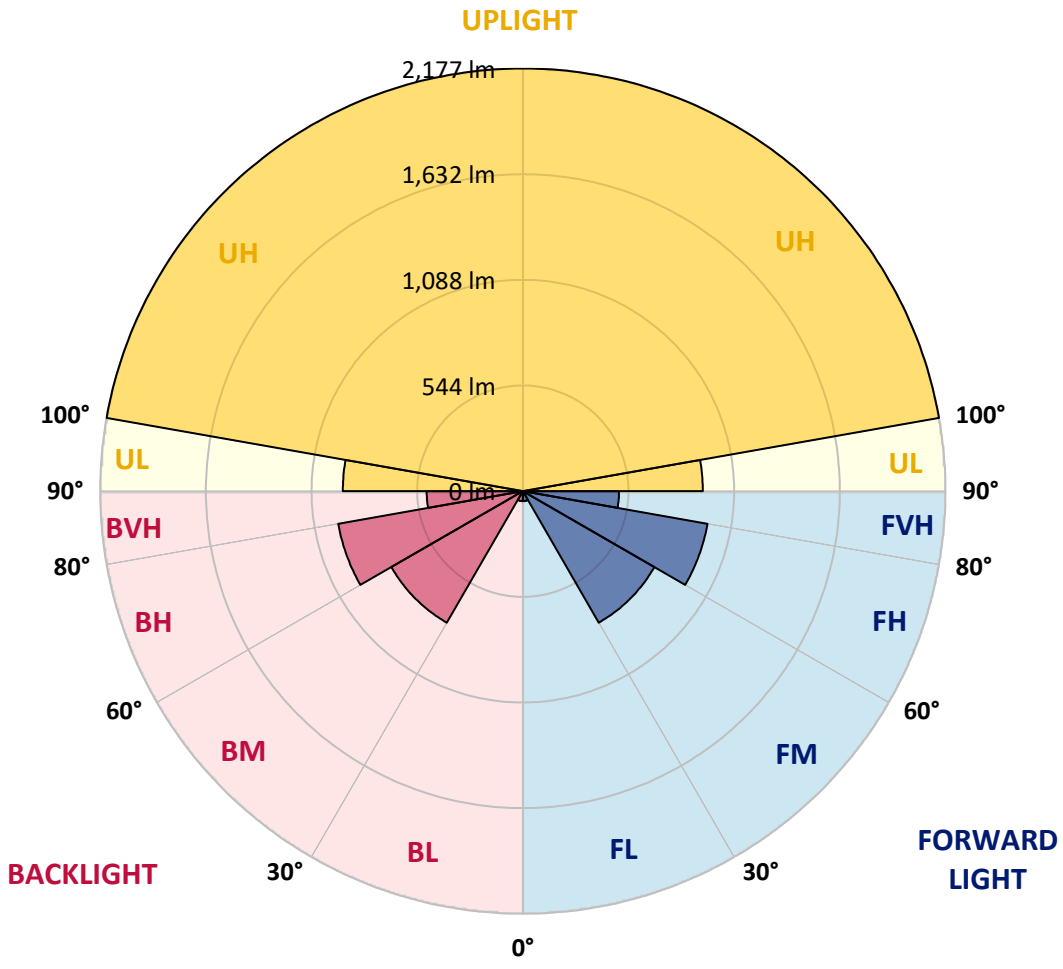
Scaled Data Report

REPORT NUMBER: P856250
CATALOG NUMBER: FFX-CLB-50-727-U-PG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	51.8	0.7			
FM	(30°-60°)	782.5	10.2			
FH	(60°-80°)	965.6	12.5			G1/1800
FVH	(80°-90°)	495.5	6.4			G3/500
BL	(0°-30°)	51.8	0.7	B0/110		
BM	(30°-60°)	782.5	10.2	B1/1000		
BH	(60°-80°)	965.6	12.5	B2/1000		G1/1800
BVH	(80°-90°)	495.5	6.4			G3/500
UL	(90°-100°)	927.1	12.0		U4/1000	
UH	(100°-180°)	2176.5	28.3		U5	

BUG Rating: B2-U5-G3
Type V Short



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

Scaled Data Report

REPORT NUMBER: P856250
CATALOG NUMBER: FFX-CLB-50-727-U-PG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2.5°	57.3	56.8	56.3	55.8	56.3	56.8	57.8	58.2	58.2	58.2	58.2
5°	51.9	52.4	52.9	53.4	53.4	53.4	53.4	53.9	54.4	54.4	54.4
7.5°	49.0	49.0	49.5	51.0	51.4	51.0	51.0	51.4	50.0	48.5	48.1
10°	47.6	47.6	48.1	48.5	49.0	50.0	50.5	50.5	50.5	50.5	50.0
12.5°	48.1	47.6	48.1	48.5	49.5	50.0	49.0	49.0	50.0	51.0	51.4
15°	50.5	50.0	50.0	51.0	51.4	51.4	50.5	50.5	51.0	51.9	51.9
17.5°	61.2	60.2	59.7	60.2	59.7	60.2	59.7	60.7	60.7	60.2	59.7
20°	83.5	82.5	81.1	80.6	81.1	82.5	83.0	84.5	83.0	82.5	80.6
22.5°	118.4	117.0	116.0	116.0	117.5	118.4	117.9	119.9	118.9	118.4	116.5
25°	163.1	162.1	162.6	165.0	167.4	166.0	162.1	165.0	165.0	164.5	164.1
27.5°	218.9	215.5	217.0	223.3	225.2	221.3	217.0	220.4	221.8	222.3	222.3
30°	282.5	280.1	279.6	286.4	288.8	285.4	282.5	286.4	286.4	287.8	287.8
32.5°	351.4	349.9	347.5	351.4	355.3	354.3	354.3	357.2	356.3	357.7	358.2
35°	427.1	424.2	419.3	419.8	424.2	424.7	428.1	430.0	429.1	428.6	428.6
37.5°	498.5	494.6	490.2	487.8	493.1	492.6	500.4	500.4	498.5	498.9	498.9
40°	563.0	560.6	557.2	550.4	560.6	558.6	567.9	567.9	562.5	564.0	563.0
42.5°	620.8	620.8	616.9	606.7	617.4	615.4	627.6	627.6	620.3	619.8	618.3
45°	672.7	675.1	673.2	664.0	667.9	669.3	681.0	678.5	672.7	672.7	670.3
47.5°	728.5	730.9	724.2	714.4	718.8	721.2	731.9	730.9	727.6	723.2	723.2
50°	786.8	787.3	773.7	762.0	765.9	778.5	786.3	788.2	780.9	770.7	770.3
52.5°	832.9	835.8	822.7	810.1	813.0	827.5	836.3	836.8	827.5	813.0	817.3
55°	873.6	876.6	863.5	852.3	858.1	865.9	876.1	870.2	870.7	855.2	862.5
57.5°	901.3	911.0	889.2	886.7	892.1	901.3	905.7	904.2	907.1	892.6	895.0
60°	929.0	933.3	914.9	918.3	912.0	928.5	931.9	935.3	927.5	917.3	917.3
62.5°	955.2	944.5	931.4	939.7	922.7	943.5	947.4	951.3	943.1	933.3	935.3
65°	968.8	949.4	938.2	948.4	931.9	950.8	957.1	958.6	957.1	947.9	943.5
67.5°	971.7	951.3	944.5	952.8	936.3	957.1	963.0	965.9	967.3	960.5	948.4
70°	970.7	948.9	943.1	950.8	940.1	959.6	960.0	964.4	966.3	969.3	955.7
72.5°	957.6	938.7	937.2	944.0	934.3	946.9	947.4	952.8	949.8	959.1	952.3
75°	946.9	934.3	936.7	935.3	925.6	932.9	934.8	941.1	930.4	939.2	945.0
77.5°	940.1	933.3	939.2	931.4	921.2	926.1	929.0	936.3	920.2	927.5	944.5
80°	929.5	927.5	934.8	923.2	914.4	918.8	923.6	929.9	912.5	917.3	941.6
82.5°	912.0	913.4	920.2	906.6	900.8	905.7	911.5	921.2	903.3	906.2	931.9
85°	904.2	910.5	913.9	900.3	893.5	896.5	902.8	913.0	894.0	898.4	924.6
87.5°	903.3	911.0	913.4	901.8	896.0	900.3	903.3	917.8	897.4	902.8	929.5
90°	906.2	909.1	910.5	900.3	895.5	902.3	902.8	920.7	900.3	901.8	925.6
92.5°	896.5	896.9	899.9	890.6	890.1	895.0	894.0	909.1	886.7	883.4	903.7
95°	849.4	845.5	851.8	846.9	857.1	864.4	872.7	891.6	880.4	883.4	900.8
97.5°	799.4	800.4	802.3	794.5	793.1	796.0	799.4	809.1	805.7	808.6	825.1
100°	787.7	791.1	790.6	786.8	770.7	767.4	760.1	749.9	736.3	738.2	740.7
102.5°	793.6	802.8	804.2	809.6	809.6	807.2	812.5	808.1	810.5	824.6	816.9
105°	772.7	783.4	790.2	796.0	807.2	816.4	841.1	856.2	868.3	885.3	882.9
107.5°	747.5	752.8	757.6	757.6	754.7	753.3	766.9	769.3	765.9	770.3	770.7
110°	668.8	668.3	673.2	671.2	672.7	664.9	668.8	681.9	679.0	687.8	689.2

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

Scaled Data Report

REPORT NUMBER: P856250
CATALOG NUMBER: FFX-CLB-50-727-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	*607.7*	607.7	611.1	606.2	606.7	600.4	602.8	611.6	612.0	619.3	623.2
115°	*556.2*	555.2	560.1	556.2	551.9	550.4	552.8	558.2	559.6	564.5	572.2
117.5°	*517.9*	513.0	516.9	517.4	519.3	515.5	521.3	524.7	526.6	530.5	536.8
120°	*486.3*	481.5	482.9	487.8	493.6	485.4	491.7	494.6	496.0	497.5	500.4
122.5°	*450.4*	447.0	445.6	455.3	458.7	451.4	454.8	459.1	461.6	464.0	466.4
125°	*414.0*	411.1	409.6	418.4	421.8	416.0	420.8	427.1	426.1	431.5	426.6
127.5°	*381.0*	380.0	378.1	382.5	384.9	384.4	388.8	396.5	393.1	398.0	392.7
130°	*341.7*	345.6	342.7	348.0	348.5	352.4	353.8	361.1	357.7	358.7	355.3
132.5°	*309.7*	311.1	309.7	311.6	313.1	313.1	316.9	324.7	319.4	318.9	316.0
135°	*277.1*	277.6	275.7	278.6	279.6	277.1	281.0	286.8	283.9	282.5	282.5
137.5°	*245.1*	244.6	245.1	246.1	247.0	246.6	248.5	252.9	251.9	250.0	252.4
140°	*217.9*	216.5	217.0	217.4	217.0	217.0	218.9	222.8	222.8	220.4	222.8
142.5°	*190.7*	190.3	190.3	190.3	190.3	191.2	193.2	194.1	195.1	193.2	192.7
145°	*167.9*	167.4	167.0	167.0	167.0	167.4	169.4	168.9	170.8	168.9	167.4
147.5°	*147.5*	148.0	147.1	146.6	146.1	147.5	148.0	149.0	150.0	149.0	147.5
150°	*131.0*	130.6	130.6	129.6	129.6	131.0	130.6	131.5	132.5	132.0	131.5
152.5°	*116.5*	116.5	116.5	115.5	116.0	117.0	117.0	117.0	117.9	117.9	117.5
155°	*104.8*	104.8	104.8	104.4	104.4	105.3	105.3	105.3	105.8	105.8	105.8
157.5°	*96.1*	96.1	95.6	95.6	95.6	96.1	95.6	95.6	96.1	96.1	96.1
160°	*89.3*	89.3	88.8	88.8	88.3	88.8	88.3	88.3	88.8	88.8	88.8
162.5°	*84.0*	84.0	83.5	83.5	83.5	83.5	83.5	83.0	83.0	83.5	83.0
165°	*80.1*	80.1	80.1	80.1	80.1	80.1	80.1	79.6	79.6	79.6	79.6
167.5°	*77.7*	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
170°	*76.2*	76.2	76.2	76.7	76.7	76.7	76.2	76.2	76.7	76.7	76.2
172.5°	*75.7*	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
175°	*75.7*	75.7	75.7	75.7	75.7	75.7	75.2	75.7	75.7	75.7	75.7
177.5°	*75.7*	75.2	75.2	75.7	75.7	75.2	75.2	75.2	75.2	75.2	75.2
180°	*75.7*	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7

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

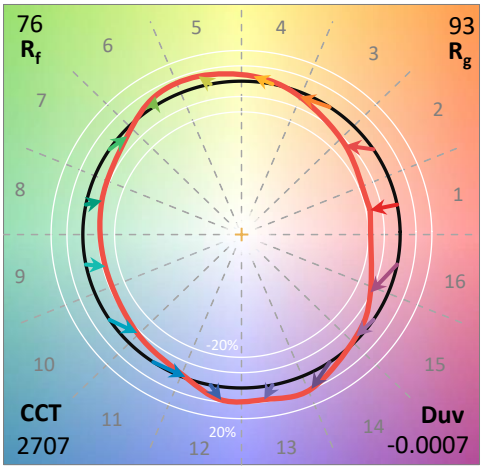
Test Information

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

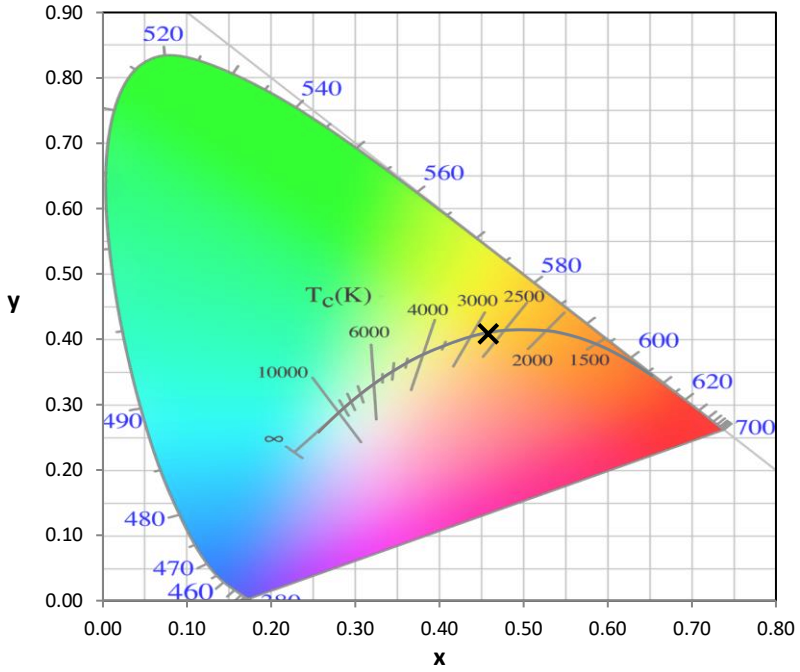
REPORT NUMBER: SP1-2406-133-3

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

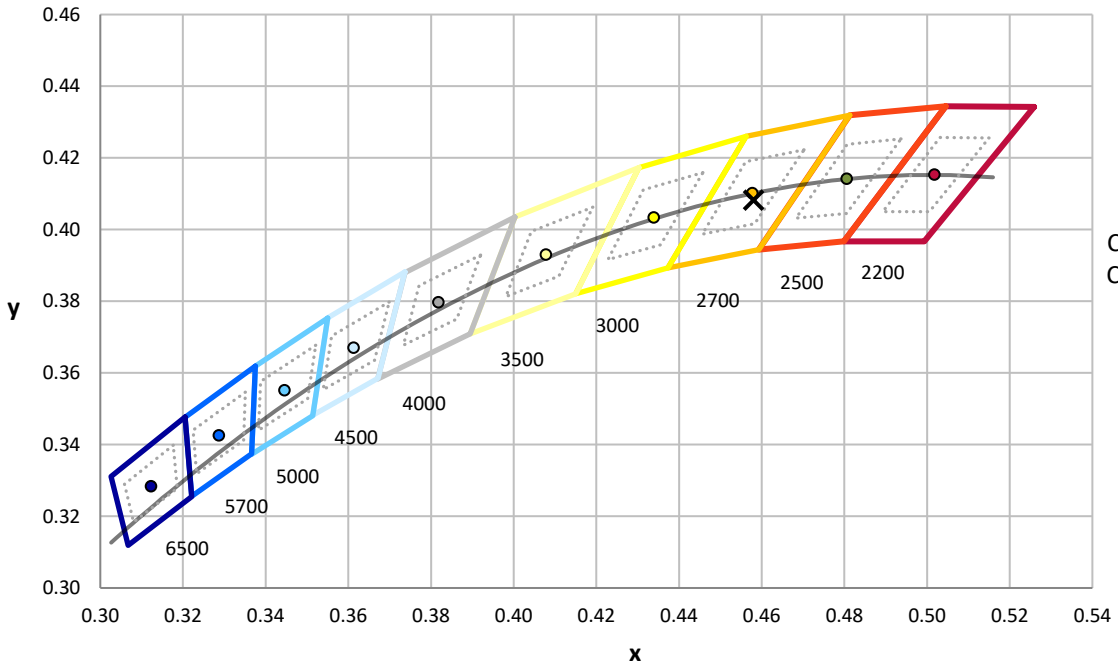
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-3

CIE 1931 Chromaticity Diagram



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



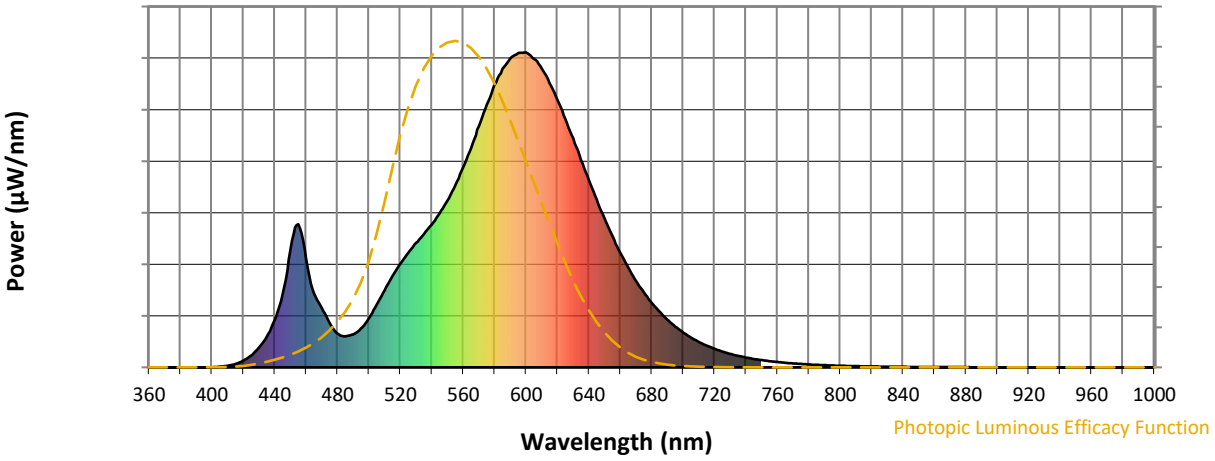
CCT = 2707K
CIE x = 0.4580
CIE y = 0.4082
Duv = -0.0007

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



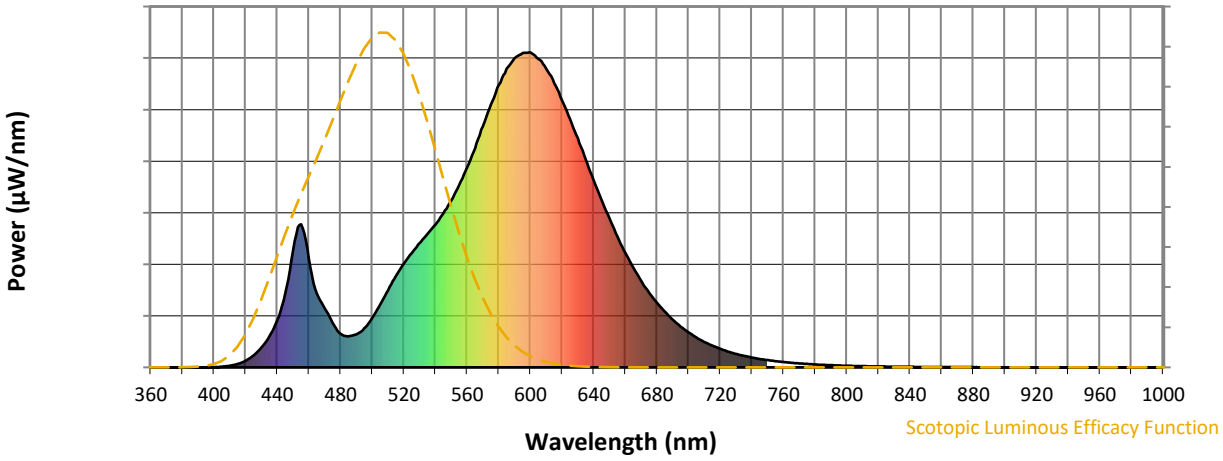
Photopic Lumens: NR

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



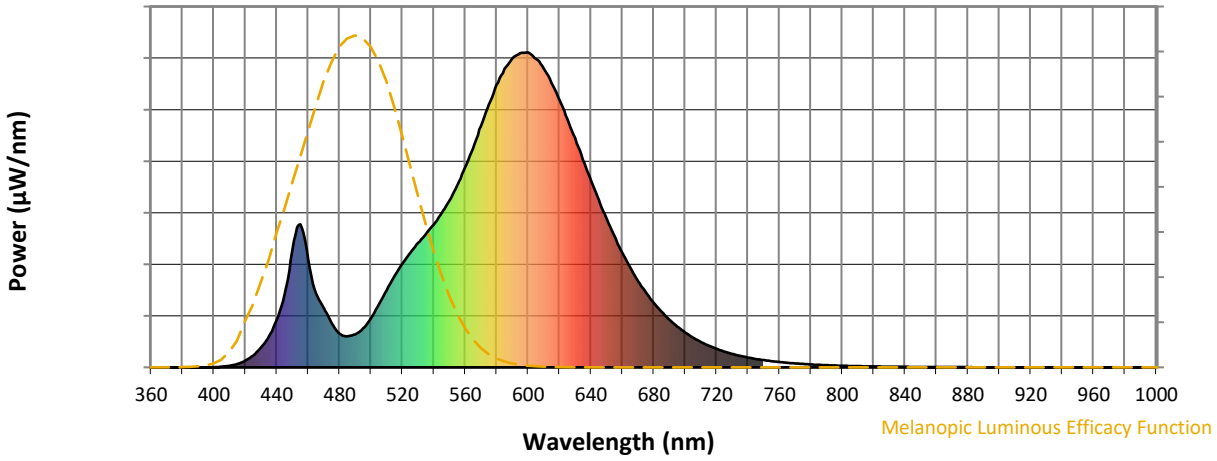
Scotopic Lumens: NR **S/P: 1.12**

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

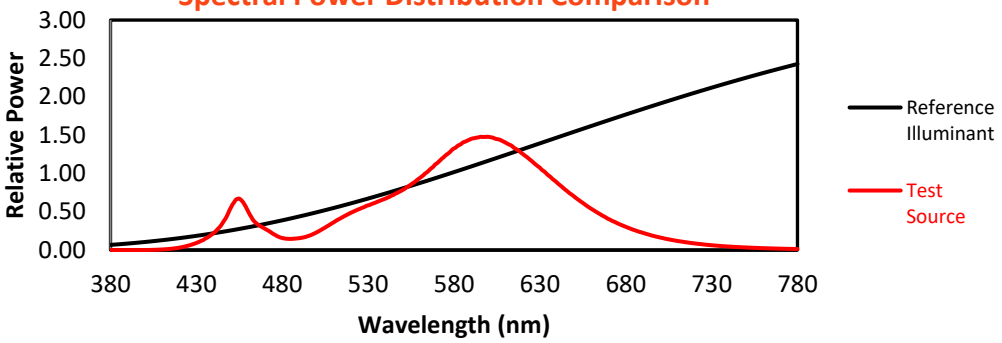
REPORT NUMBER: SP1-2406-133-3

TM-30-18

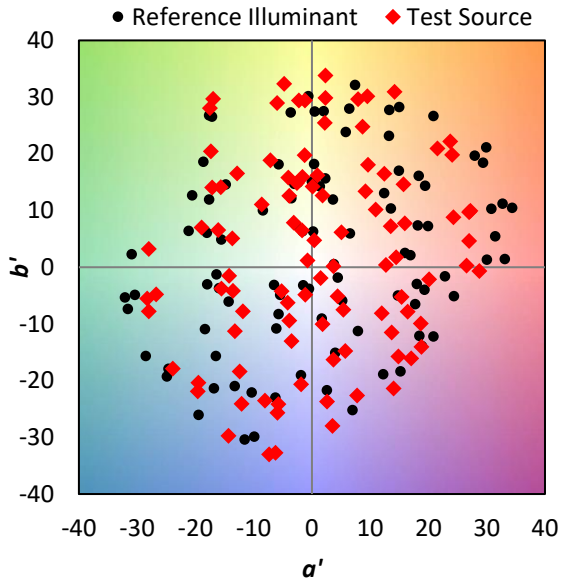
Summary

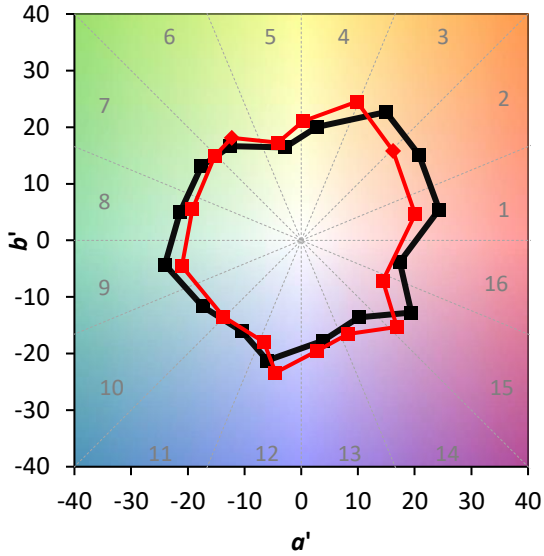
R_f = 75.5
R_g = 92.5
CIE R_a = 71.3
R_9 = -34.9

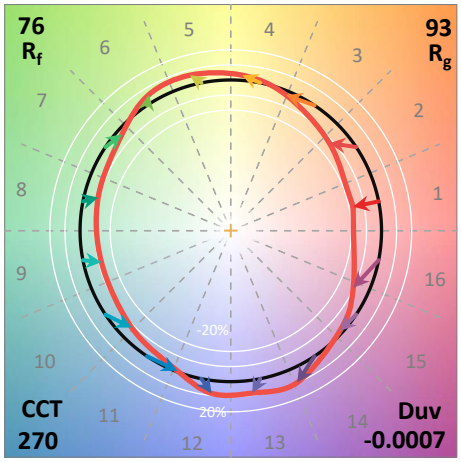
Spectral Power Distribution Comparison

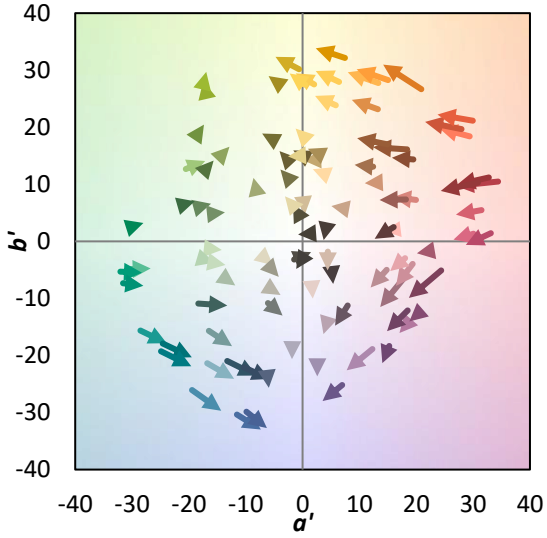


Color Vector Graphics









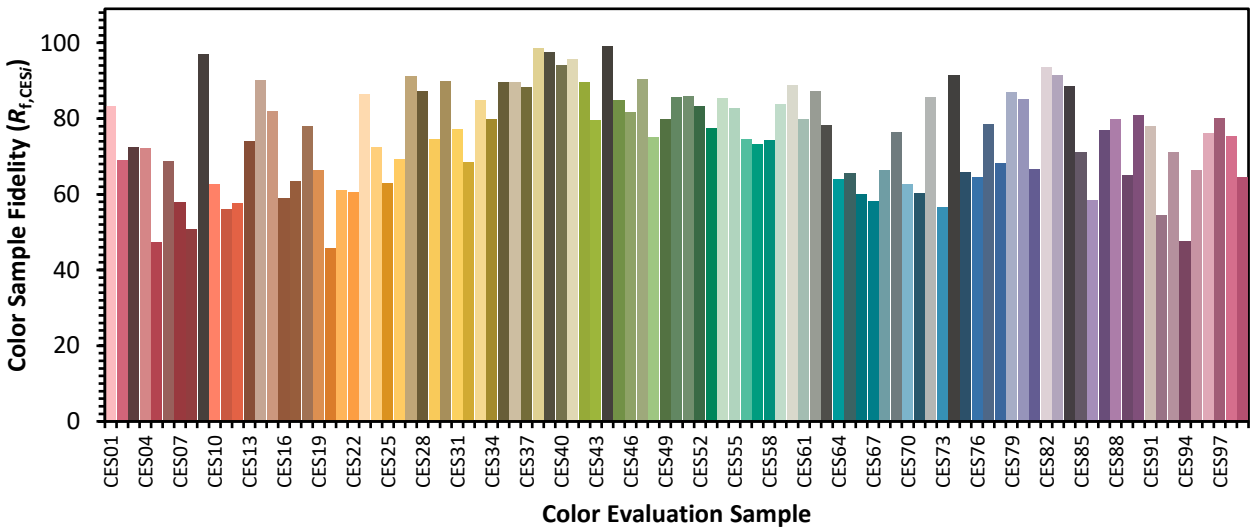
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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	

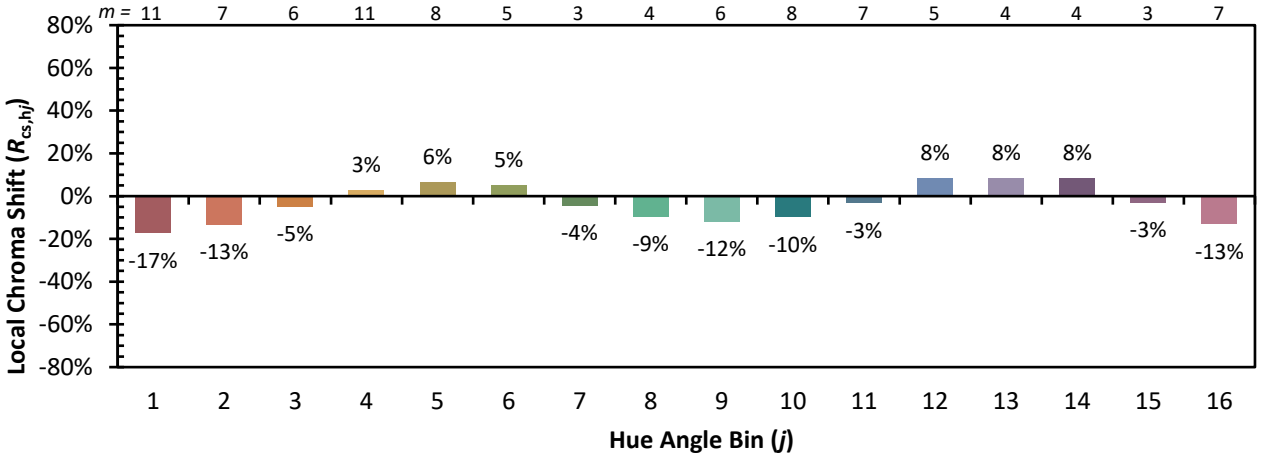


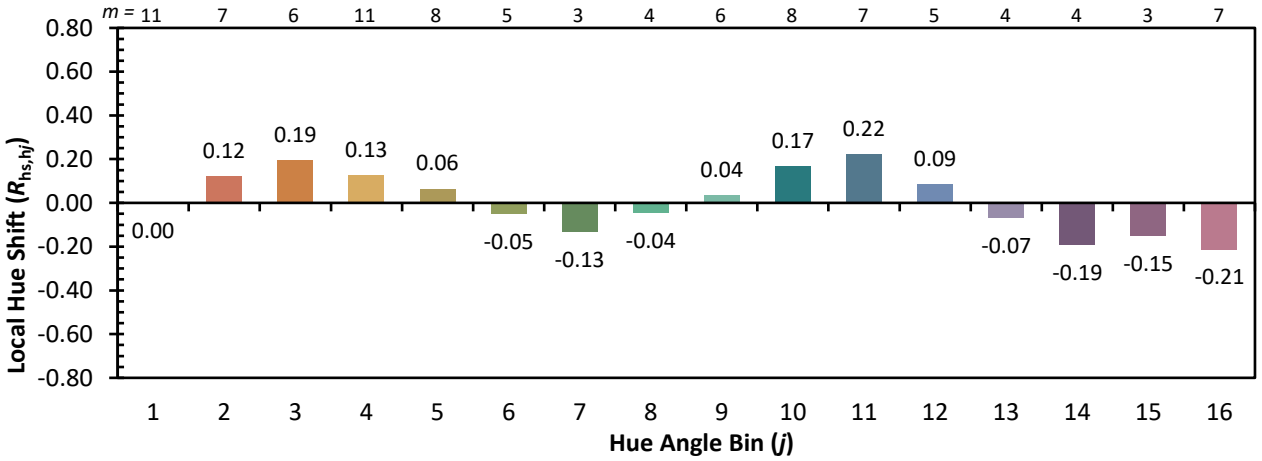
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

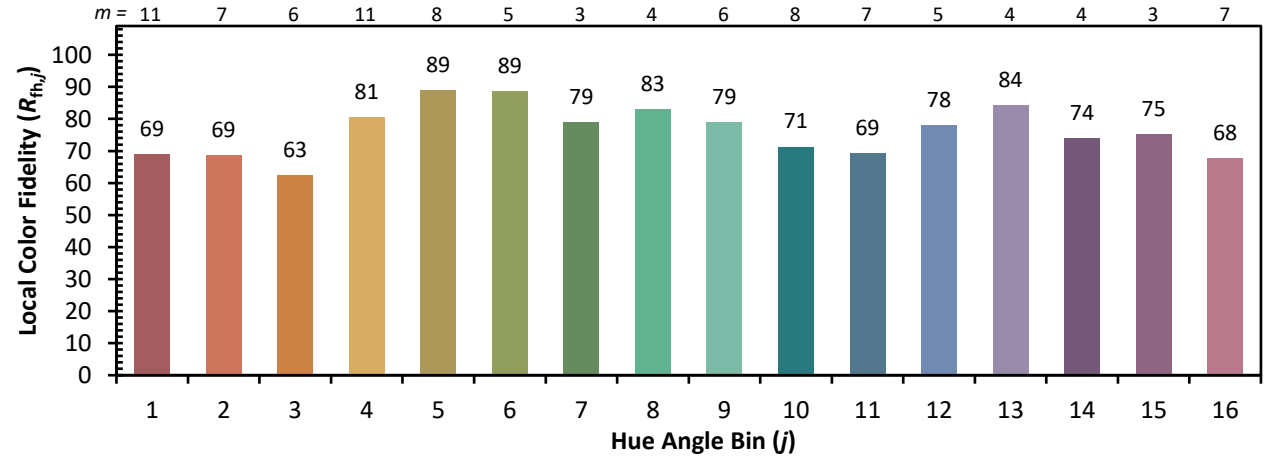
REPORT NUMBER: SP1-2406-133-3

TM-30-18

Color Rendition by Hue-Angle Bin





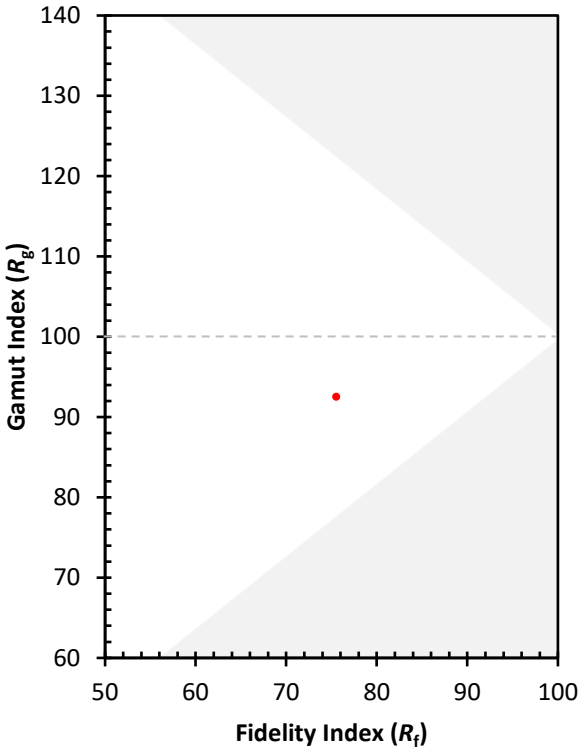


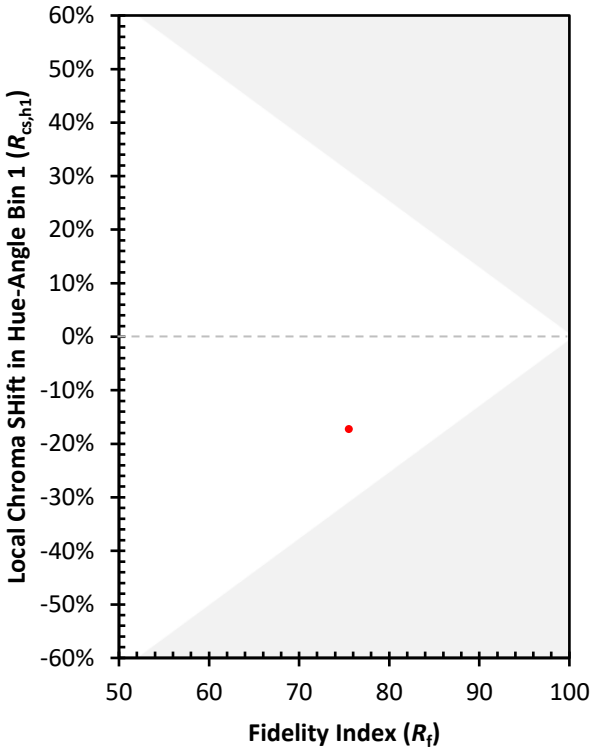
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-3

TM-30-18

Measure Comparisons





(END OF REPORT)