

Signify Classified - Internal  
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: P856099

Luminaire Tested: **FFX-CLB-30-750-U-FR-T5**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856099  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-30-750-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**

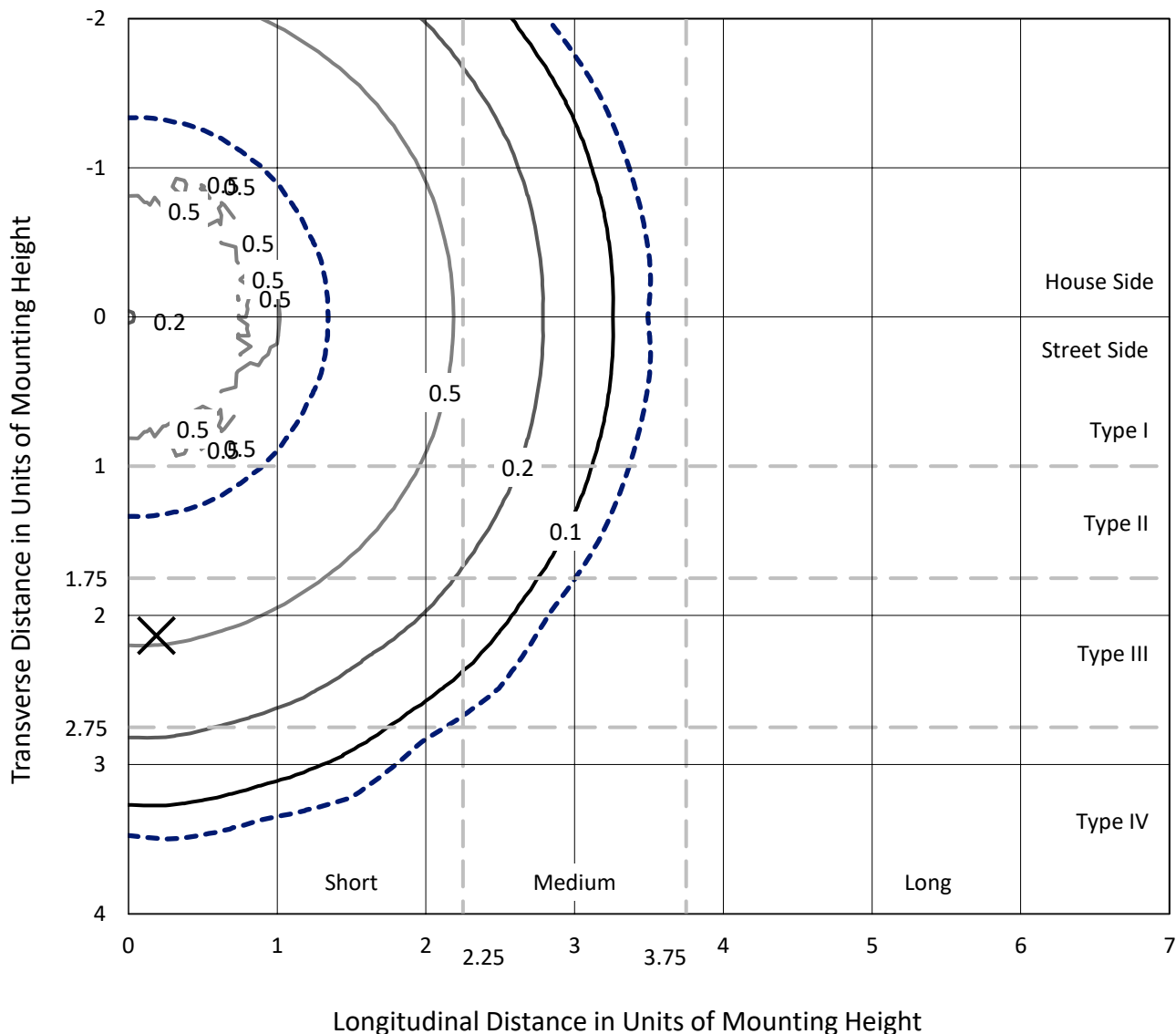
Lumens per Lamp: N/A  
Luminaire Lumens: 4973.5 lumens  
Efficiency: N/A  
Efficacy: 163.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')  
IES Classification: Type V - Short  
BUG Rating: B3 - U4 - G2

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

REPORT NUMBER: P856099  
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### Iso-Footcandle Lines of Horizontal Illumination

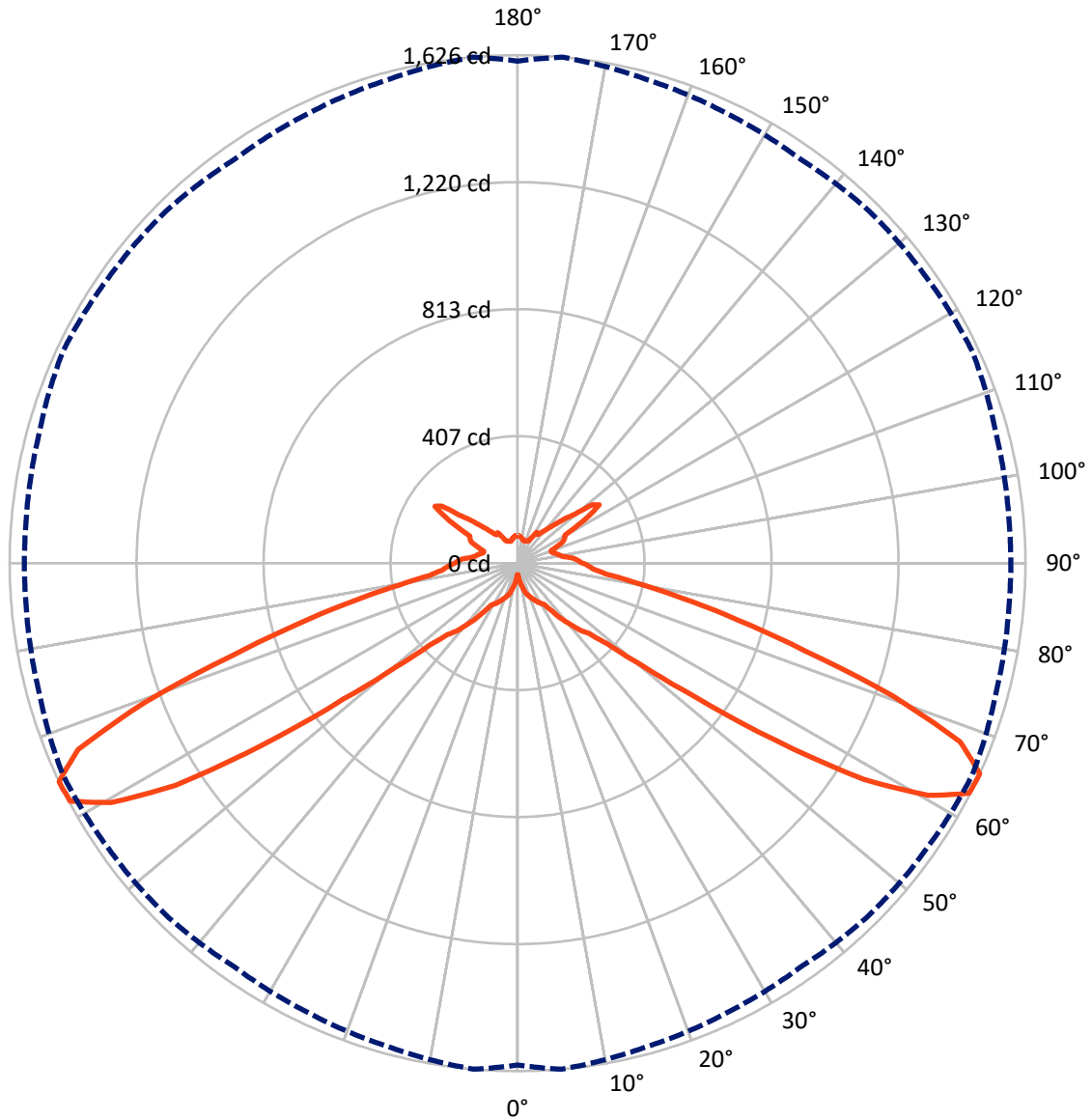
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P856099  
CATALOG NUMBER: FFX-CLB-30-750-U-FR-T5

### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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 CATALOG NUMBER: FFX-CLB-30-750-U-FR-T5

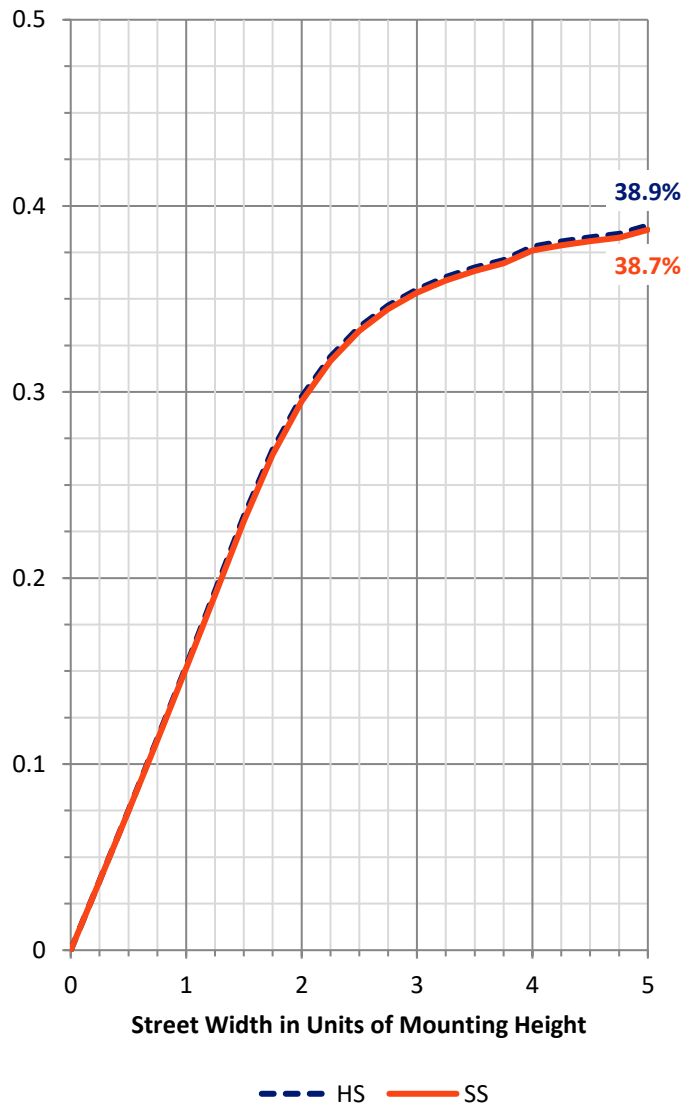
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2004.1	482.6	2486.7
	% Fixture	40.3	9.7	50.0
<b>Street Side</b>	Lumens	2004.1	482.6	2486.7
	% Fixture	40.3	9.7	50.0
<b>Total</b>	Lumens	4008.2	965.3	4973.5
	% Fixture	80.6	19.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.6	0.1
10°-20°	28.4	0.6
20°-30°	61.7	1.2
30°-40°	122.5	2.5
40°-50°	265.6	5.3
50°-60°	914.7	18.4
60°-70°	1502.3	30.2
70°-80°	806.3	16.2
80°-90°	301.1	6.1
90°-100°	190.2	3.8
100°-110°	127.4	2.6
110°-120°	140.0	2.8
120°-130°	231.7	4.7
130°-140°	136.4	2.7
140°-150°	72.2	1.5
150°-160°	37.9	0.8
160°-170°	21.5	0.4
170°-180°	8.1	0.2
0°-90°	4008.2	80.6
0°-180°	4973.5	100.0



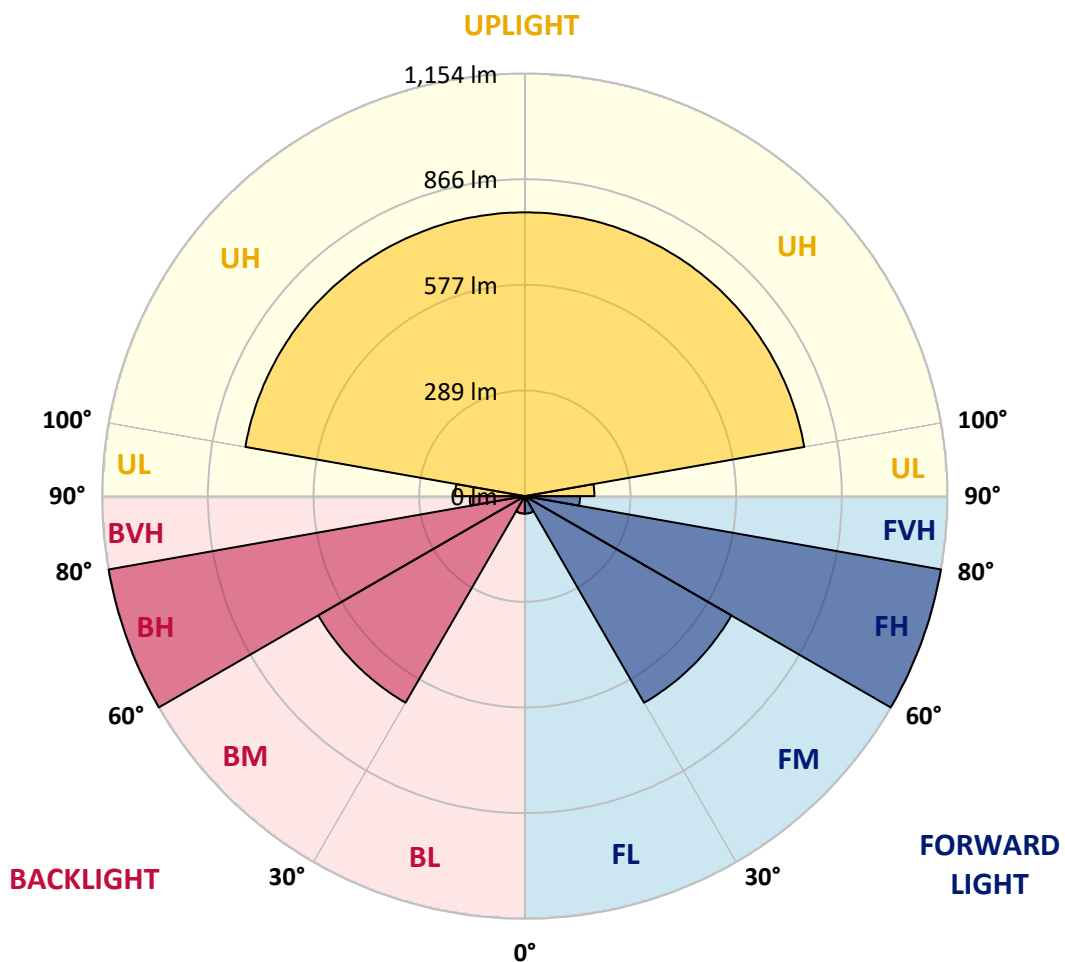
REPORT NUMBER: P856099  
 CATALOG NUMBER: FFX-CLB-30-750-U-FR-T5

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	47.9	1.0			
FM (30°-60°)	651.4	13.1			
FH (60°-80°)	1154.3	23.2			G1/1800
FVH (80°-90°)	150.5	3.0			G2/225
BL (0°-30°)	47.9	1.0	B0/110		
BM (30°-60°)	651.4	13.1	B1/1000		
BH (60°-80°)	1154.3	23.2	B3/2500		G1/1800
BVH (80°-90°)	150.5	3.0			G2/225
UL (90°-100°)	190.2	3.8		U3/500	
UH (100°-180°)	775.1	15.6		U4/1000	

**BUG Rating: B3-U4-G2**

Type V Short





REPORT NUMBER: P856099

CATALOG NUMBER: FFX-CLB-30-750-U-FR-T5

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
2.5°	39.0	39.0	38.5	38.0	38.5	39.0	39.0	39.5	38.5	38.5	39.0
5°	52.2	52.2	52.2	51.7	50.7	50.7	50.2	51.7	52.2	52.7	52.7
7.5°	64.9	64.4	65.4	65.9	63.4	62.4	62.4	62.9	63.9	64.9	65.9
10°	73.5	73.0	73.5	75.5	75.0	73.5	73.5	73.5	75.0	77.6	78.1
12.5°	86.7	86.7	87.7	89.2	89.7	88.2	87.2	87.2	89.2	89.7	89.2
15°	100.9	100.9	100.4	99.9	100.4	99.9	99.9	100.4	101.9	101.4	101.4
17.5°	108.5	108.0	107.5	108.0	108.0	107.5	108.0	109.0	108.5	110.0	110.5
20°	116.6	116.6	115.6	115.6	115.6	116.1	116.6	116.1	116.6	117.1	117.6
22.5°	124.2	124.2	123.7	123.2	123.7	124.2	124.7	123.7	123.7	124.7	124.7
25°	132.8	132.8	132.8	131.3	131.8	132.3	131.8	131.3	131.8	132.3	132.8
27.5°	142.4	142.4	141.4	139.9	140.4	140.4	140.9	139.9	140.9	140.9	140.9
30°	150.6	149.5	149.0	148.0	148.0	149.0	150.1	148.5	149.0	149.0	149.5
32.5°	158.2	158.2	157.7	155.6	155.1	158.2	159.2	158.7	156.6	157.1	157.7
35°	186.5	186.5	183.0	179.5	182.5	182.0	186.0	186.0	186.0	187.1	189.1
37.5°	222.0	223.6	229.1	237.2	237.2	225.6	219.5	219.0	227.1	234.2	233.7
40°	253.5	255.0	253.5	254.5	253.5	254.0	254.5	253.5	248.9	247.4	244.3
42.5°	292.5	293.0	283.4	272.2	273.2	278.8	285.4	285.9	276.3	271.7	270.7
45°	319.9	320.9	317.3	315.8	315.8	317.8	317.3	317.3	313.8	313.3	312.3
47.5°	386.8	384.8	377.7	375.1	378.2	376.6	386.3	383.7	379.7	379.7	383.2
50°	513.0	511.0	511.5	509.0	517.1	505.4	517.1	514.0	507.9	511.0	513.5
52.5°	719.3	706.7	708.2	703.1	717.3	706.7	725.9	723.4	703.6	712.2	712.7
55°	1016.4	1000.2	999.2	965.2	991.6	995.1	1019.4	1025.5	987.0	987.5	990.0
57.5°	1310.9	1305.8	1322.1	1300.8	1319.5	1310.9	1310.4	1321.6	1299.3	1302.3	1310.4
60°	1506.1	1510.1	1528.4	1534.0	1540.6	1528.4	1503.5	1508.6	1507.1	1533.0	1535.0
62.5°	1610.5	1622.7	1609.5	1605.4	1599.9	1604.4	1601.4	1604.4	1595.3	1607.5	1608.0
65°	1607.0	1626.2	1602.4	1587.7	1578.6	1592.8	1596.8	1605.9	1586.7	1579.1	1579.1
67.5°	1505.1	1528.4	1490.9	1489.4	1467.1	1490.9	1484.3	1491.4	1476.2	1465.5	1455.4
70°	1252.1	1273.4	1228.3	1233.9	1195.3	1234.4	1224.2	1237.4	1225.2	1204.5	1192.3
72.5°	943.4	962.2	928.7	937.3	912.0	941.4	925.7	948.0	940.4	931.2	921.1
75°	713.8	728.5	730.5	759.4	729.0	743.2	714.8	727.9	740.6	751.3	740.1
77.5°	525.2	535.3	565.7	597.7	567.8	577.9	549.5	562.2	573.8	592.1	584.0
80°	371.1	382.7	410.6	434.4	412.6	421.8	403.5	410.6	419.7	432.9	424.3
82.5°	288.9	284.9	283.9	277.8	271.2	294.0	298.6	302.6	294.0	290.5	286.4
85°	242.3	243.3	249.4	257.0	257.0	257.5	253.0	255.0	258.5	265.1	265.6
87.5°	222.5	225.6	242.8	248.9	246.4	247.4	243.3	244.3	246.9	250.4	249.4
90°	196.2	203.8	220.0	226.1	222.0	224.1	222.0	223.6	221.5	222.5	220.5
92.5°	191.6	191.1	196.2	195.7	193.1	199.2	199.2	200.2	197.7	196.2	195.2
95°	177.4	176.4	175.9	177.4	171.8	176.4	175.4	177.4	176.4	176.4	174.4
97.5°	148.5	148.5	147.5	149.0	145.5	147.5	145.0	146.5	146.0	146.5	145.0
100°	136.9	136.9	135.9	135.9	134.3	134.8	133.8	133.8	133.3	132.8	132.8
102.5°	128.8	129.8	128.3	128.8	126.7	126.7	125.7	126.2	125.7	125.7	125.2
105°	121.2	121.7	120.6	120.6	119.1	118.6	117.6	118.1	118.6	117.6	117.6
107.5°	113.6	114.1	113.6	113.6	112.0	111.0	109.5	109.5	110.0	110.5	110.5
110°	116.6	115.1	113.6	112.5	114.6	111.5	110.5	110.0	110.5	112.0	112.5



REPORT NUMBER: P856099  
 CATALOG NUMBER: FFX-CLB-30-750-U-FR-T5

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	139.4	138.4	138.4	133.8	138.9	135.9	133.8	130.3	131.8	132.8	132.8
115°	161.7	162.2	156.1	154.1	151.1	150.6	152.1	148.0	147.5	148.0	147.0
117.5°	181.5	170.8	148.0	141.9	140.4	139.4	138.4	137.4	136.4	142.4	135.9
120°	194.2	175.9	159.2	155.6	164.2	152.1	144.0	142.4	145.5	156.1	154.6
122.5°	275.3	259.5	247.4	226.1	247.4	235.2	238.3	232.7	229.6	223.6	224.6
125°	321.9	321.4	315.8	311.8	316.8	312.3	307.2	305.2	302.1	303.7	301.1
127.5°	299.1	303.7	296.6	304.7	286.4	291.5	290.5	294.0	291.0	292.0	287.9
130°	236.7	240.3	233.7	229.6	221.5	230.7	231.2	236.7	230.7	222.5	221.5
132.5°	206.8	209.4	199.2	194.2	188.6	196.7	200.2	203.3	199.2	190.6	188.6
135°	175.9	176.9	169.8	170.8	167.3	167.3	166.8	168.3	170.3	168.8	167.8
137.5°	151.1	153.6	151.1	154.1	151.1	148.5	144.5	146.0	150.6	154.1	153.6
140°	130.8	133.3	133.8	136.9	130.8	131.8	129.3	130.3	132.8	136.4	137.9
142.5°	116.1	118.1	113.6	111.0	109.0	115.1	119.6	120.1	117.1	113.0	114.6
145°	113.0	111.0	113.0	111.0	113.0	112.0	112.5	112.0	112.0	112.0	112.0
147.5°	114.6	116.6	116.6	116.6	113.6	114.1	114.6	115.1	115.1	117.1	116.6
150°	95.3	97.8	97.3	99.9	95.3	96.3	96.8	97.8	98.3	98.9	99.4
152.5°	80.6	81.1	82.6	83.6	83.1	82.6	82.1	82.1	83.1	84.2	84.7
155°	78.6	78.6	80.1	81.6	80.1	80.1	79.6	79.6	80.1	81.6	81.6
157.5°	75.5	76.0	76.0	77.1	76.0	76.5	76.0	76.0	76.5	77.1	77.6
160°	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.0	75.0
162.5°	74.0	74.0	74.0	73.5	73.5	74.0	74.0	74.0	74.0	73.5	74.0
165°	75.5	75.0	74.5	74.0	74.5	75.5	76.0	76.0	75.5	74.5	75.0
167.5°	78.6	78.6	78.1	77.6	78.1	78.6	79.1	79.1	78.6	78.1	78.1
170°	81.6	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
172.5°	83.6	83.6	84.2	83.6	84.2	84.2	83.6	83.6	83.6	83.6	84.2
175°	86.7	86.7	86.7	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2
177.5°	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
180°	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2



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.

**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	R9:	-35.4
R2:	80.1	R10:	51.9
R3:	87.3	R11:	66.1
R4:	70.6	R12:	40.1
R5:	69.4	R13:	71.5
R6:	71.2	R14:	93.0
R7:	82.5	R15:	62.2
R8:	53.6		



**Test Conditions**

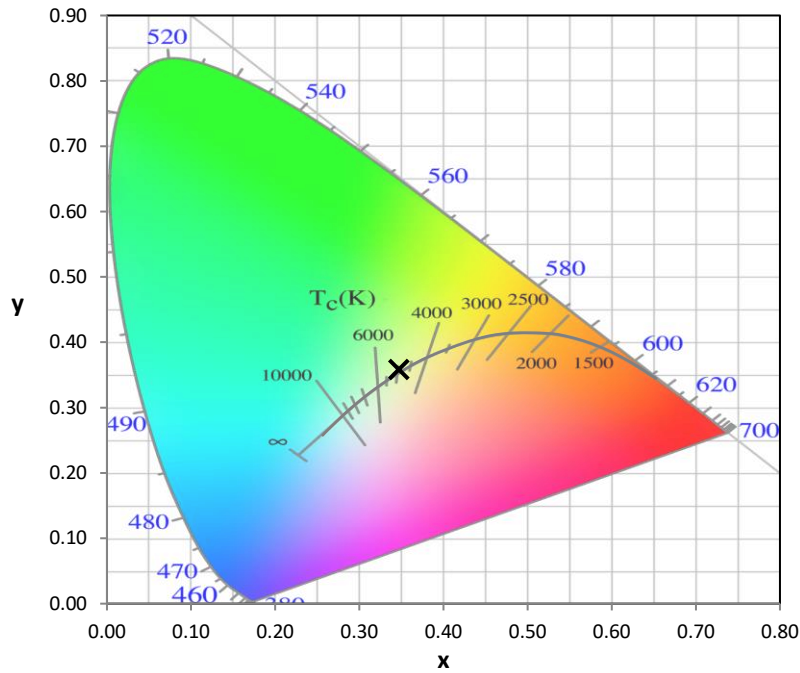
Stabilization Time: 0.803355M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-5

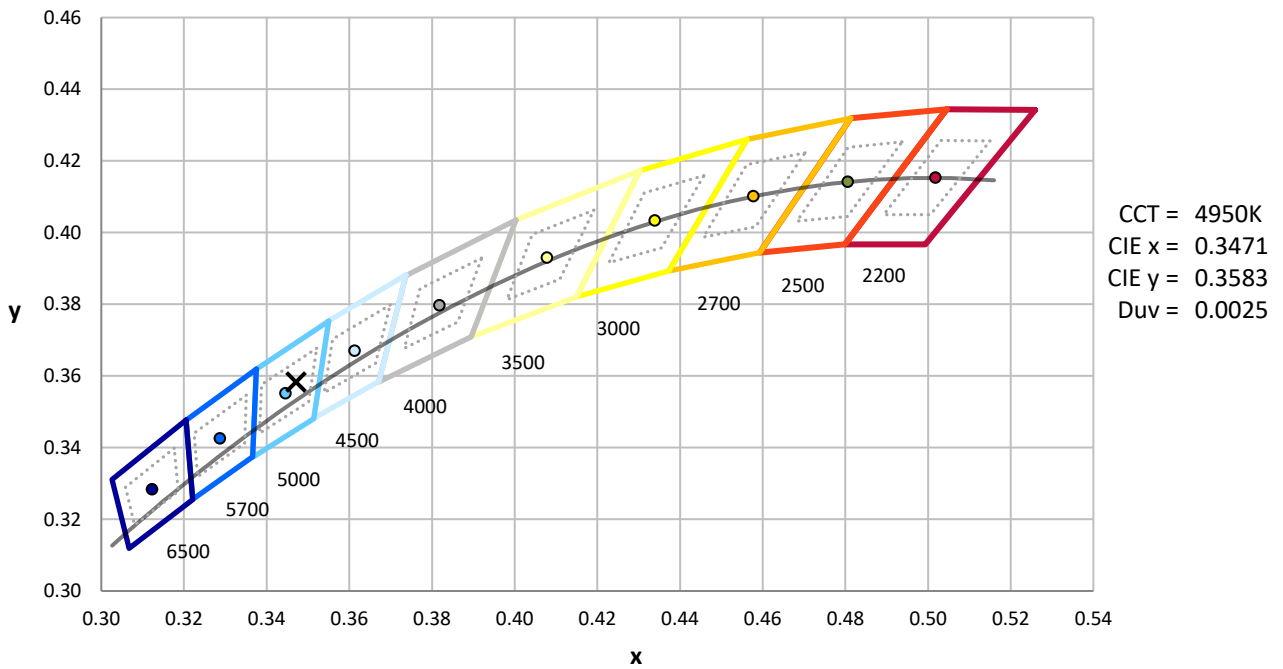
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2406-133-5

CIE 1931 Chromaticity Diagram



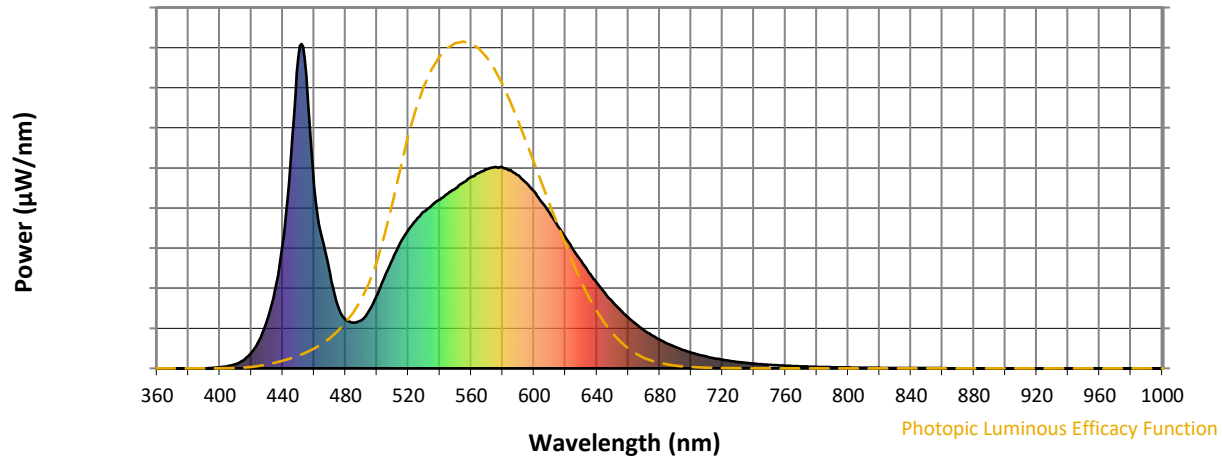
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2406-133-5

**Photopic Flux vs. Wavelength**

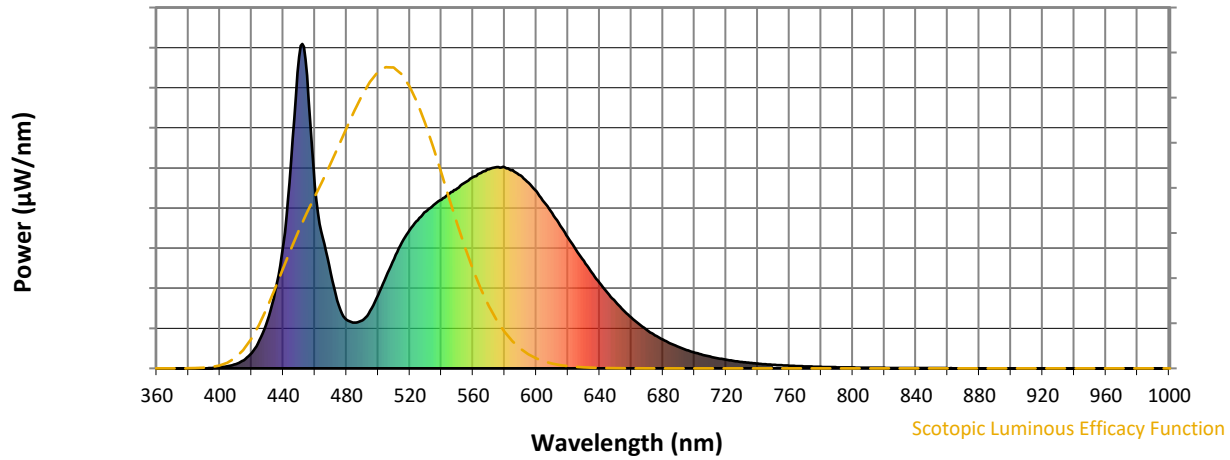


**Photopic Lumens: NR**

$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )
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			

REPORT NUMBER: SP1-2406-133-5

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.8**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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			

REPORT NUMBER: SP1-2406-133-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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			

REPORT NUMBER: SP1-2406-133-5

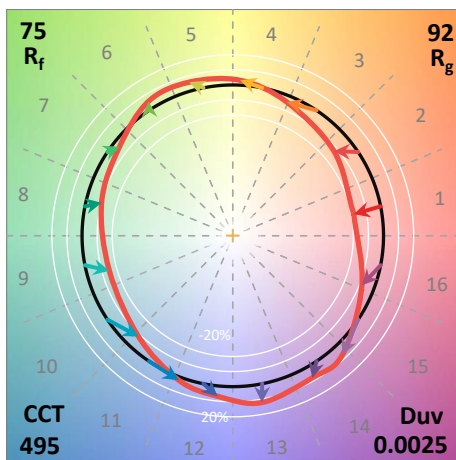
TM-30-18

**Summary**

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



**Color Vector Graphics**





REPORT NUMBER: SP1-2406-133-5

TM-30-18

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

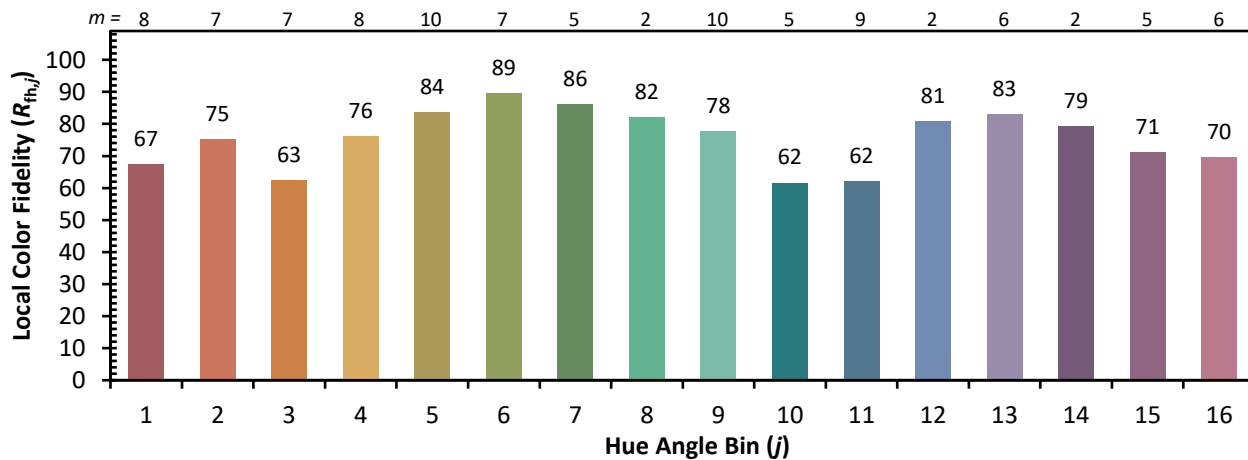
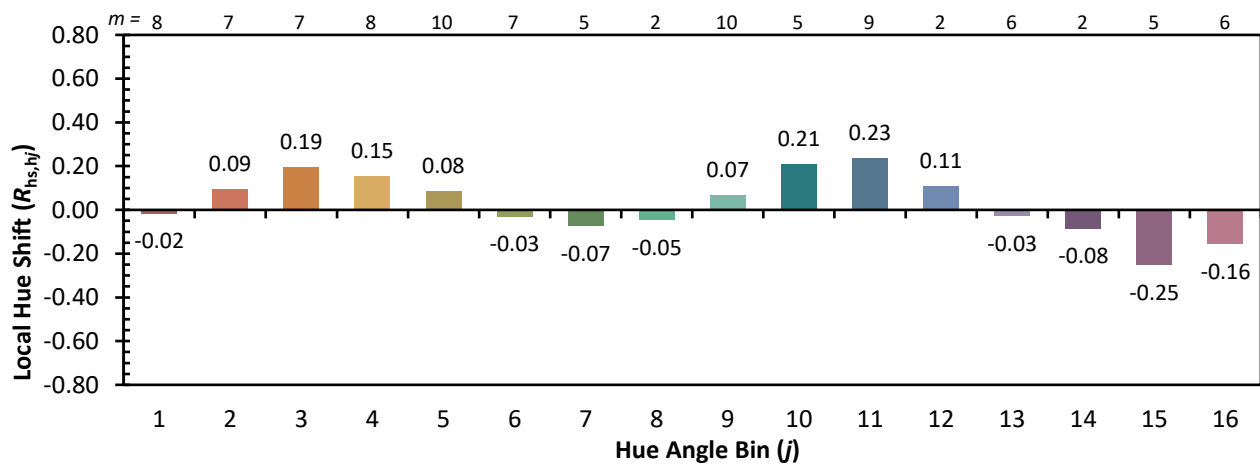
CES01 = 85	CES26 = 65	CES51 = 89	CES76 = 54
CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 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	



REPORT NUMBER: SP1-2406-133-5

TM-30-18

Color Rendition by Hue-Angle Bin



REPORT NUMBER: SP1-2406-133-5

TM-30-18

Measure Comparisons



(END OF REPORT)