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: P1045848

Luminaire Tested: **FFX-CLB-20-730-U-VM8-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045848
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-730-U-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2210.6 lumens
Efficiency:	N/A
Efficacy:	111.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U4 - G2

Input Watts (W):	19.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

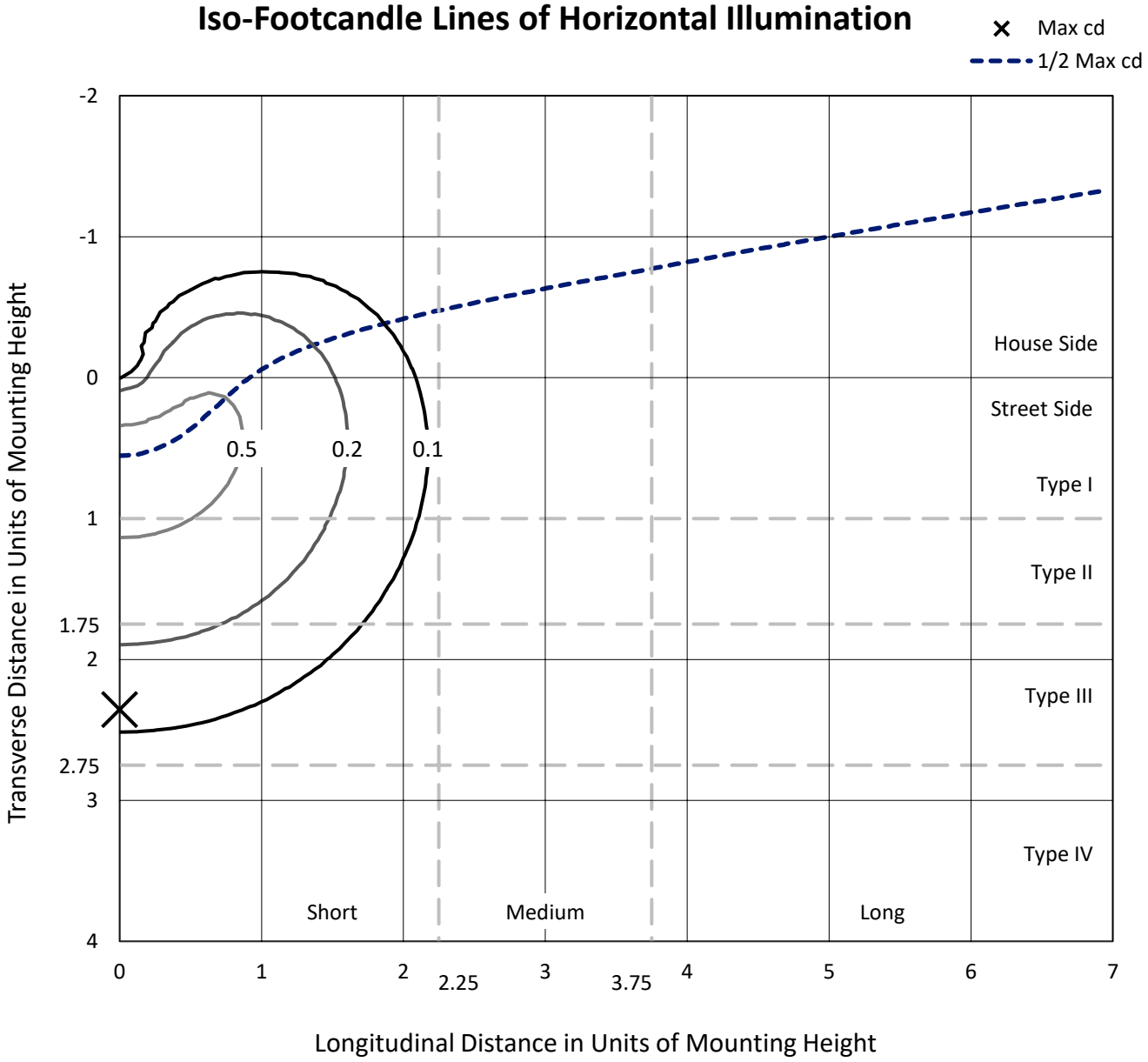


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CATALOG NUMBER: FFX-CLB-20-730-U-VM8-T5-HSS

Iso-Footcandle Lines of Horizontal Illumination



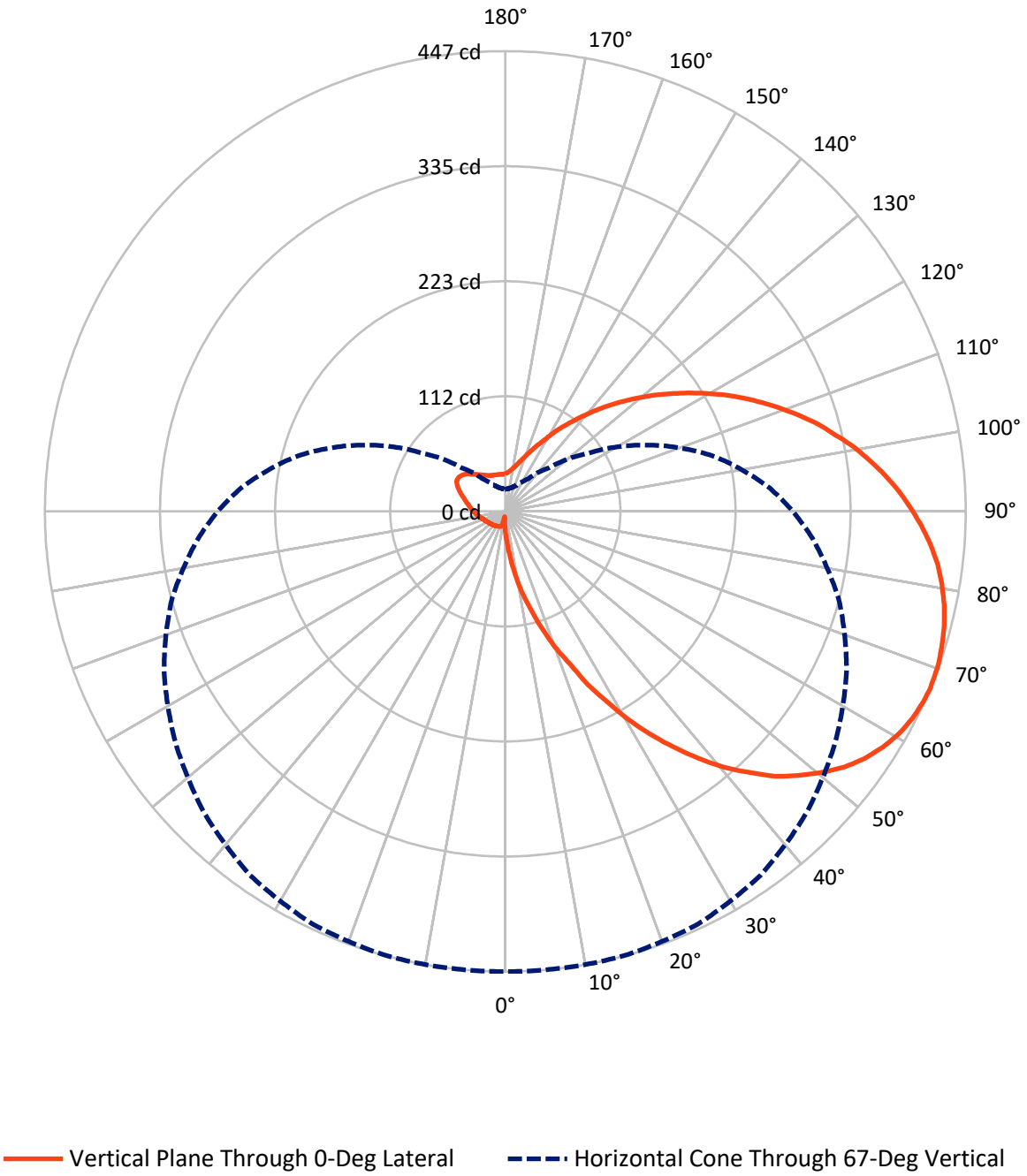
Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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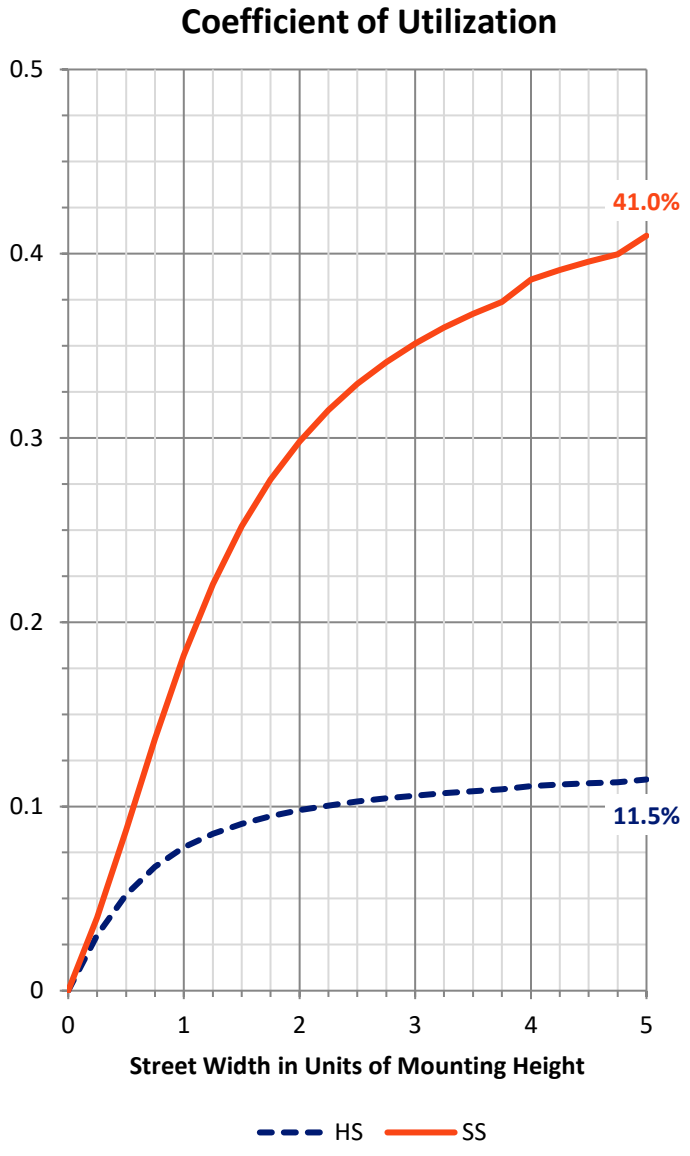
REPORT NUMBER: P1045848
CATALOG NUMBER: FFX-CLB-20-730-U-VM8-T5-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	273.7	260.8	534.5
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	1032.2	643.9	1676.1
	% Fixture	46.7	29.1	75.8
Total	Lumens	1305.9	904.7	2210.6
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	18.4	0.8
20°-30°	51.3	2.3
30°-40°	102.6	4.6
40°-50°	161.3	7.3
50°-60°	212.1	9.6
60°-70°	244.9	11.1
70°-80°	258.4	11.7
80°-90°	254.1	11.5
90°-100°	233.3	10.6
100°-110°	201.7	9.1
110°-120°	165.6	7.5
120°-130°	126.3	5.7
130°-140°	85.0	3.8
140°-150°	50.4	2.3
150°-160°	26.5	1.2
160°-170°	12.3	0.6
170°-180°	3.6	0.2
0°-90°	1305.9	59.1
0°-180°	2210.6	100.0



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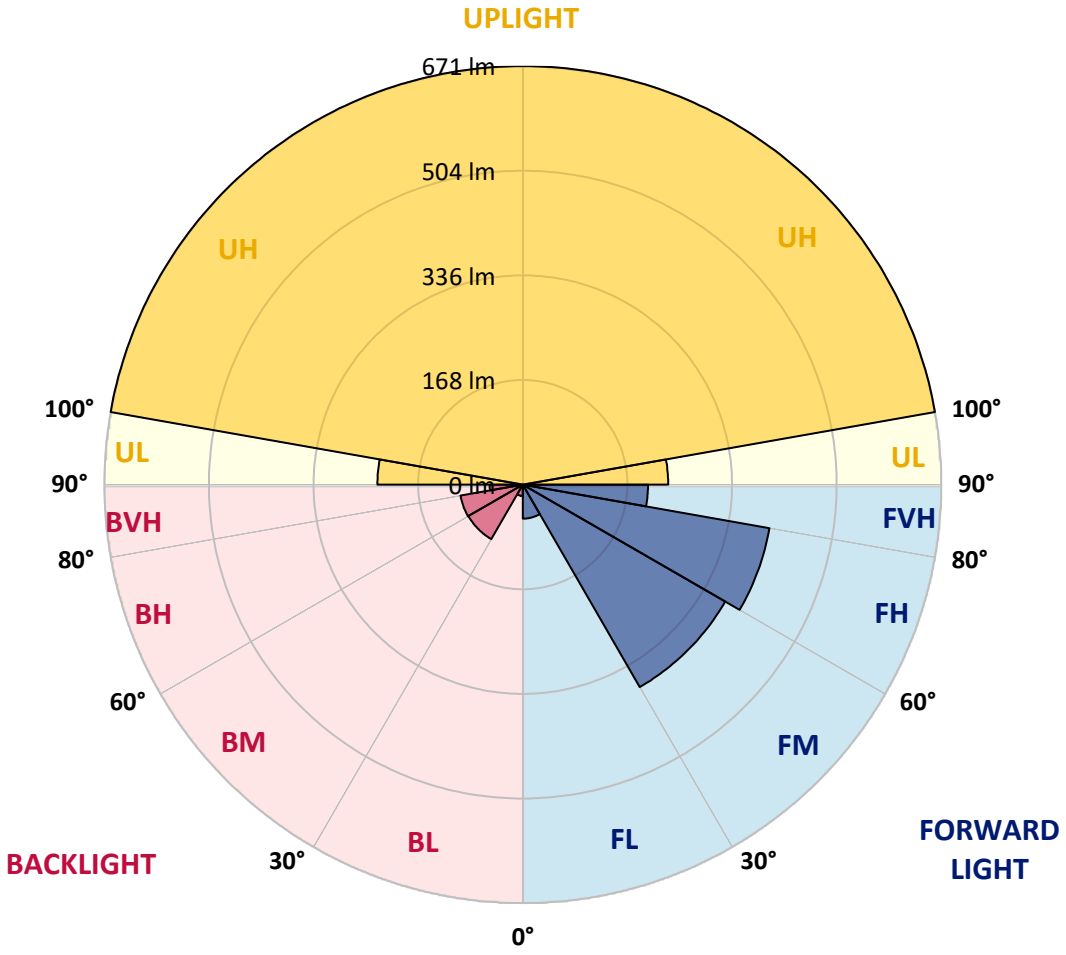
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	54.5	2.5			
FM	(30°-60°)	375.0	17.0			
FH	(60°-80°)	401.8	18.2			G0/660
FVH	(80°-90°)	200.8	9.1			G2/225
BL	(0°-30°)	18.0	0.8	B0/110		
BM	(30°-60°)	100.9	4.6	B0/220		
BH	(60°-80°)	101.5	4.6	B0/110		G0/110
BVH	(80°-90°)	53.3	2.4			G1/100
UL	(90°-100°)	233.3	10.6		U3/500	
UH	(100°-180°)	671.4	30.4		U4/1000	

BUG Rating: B0-U4-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
2.5°	28.5	29.0	29.0	28.8	28.5	28.1	27.6	26.6	24.7	23.2	21.8
5°	41.4	41.4	41.6	41.4	40.4	39.4	37.2	35.6	32.4	30.0	27.3
7.5°	56.1	56.8	56.6	55.9	54.2	52.0	49.3	46.2	43.1	39.4	35.3
10°	72.6	72.3	72.3	71.3	69.4	66.5	63.6	60.0	55.4	50.8	45.5
12.5°	88.0	88.8	88.3	87.1	84.7	82.5	78.8	74.7	69.4	64.6	57.3
15°	104.7	105.2	105.2	104.5	102.3	99.2	95.1	91.2	84.2	77.4	70.4
17.5°	123.8	123.1	122.1	122.1	119.5	116.8	112.7	107.4	99.6	92.2	82.7
20°	142.9	142.7	141.5	140.8	139.1	135.2	129.9	123.8	116.1	107.6	96.5
22.5°	160.8	163.3	163.0	161.8	159.6	155.8	150.0	142.7	134.7	124.1	111.3
25°	186.2	184.8	185.0	183.8	181.9	177.3	171.5	163.0	153.3	141.5	127.0
27.5°	208.2	207.8	207.8	207.0	204.4	199.5	192.8	184.8	173.7	159.6	143.4
30°	233.6	232.4	231.9	231.2	228.6	223.2	216.2	206.3	194.2	179.9	160.8
32.5°	257.6	256.6	254.9	254.7	252.7	247.2	239.2	229.0	215.3	198.6	177.5
35°	280.6	281.0	280.3	279.1	276.5	271.1	263.4	251.1	237.5	218.2	195.4
37.5°	303.8	303.5	304.0	303.1	298.9	293.9	284.7	271.6	256.1	235.1	211.1
40°	326.5	325.3	325.1	324.1	321.2	316.1	305.7	292.4	275.0	253.2	226.1
42.5°	346.1	346.6	346.1	345.1	341.3	335.5	324.6	309.8	291.4	268.0	240.2
45°	366.7	365.9	365.7	365.7	360.6	354.6	342.7	327.5	306.9	281.8	252.3
47.5°	382.9	383.8	383.4	382.1	378.8	371.3	358.7	342.0	320.5	294.6	263.1
50°	398.1	399.3	399.6	398.3	394.2	386.0	373.0	354.3	332.6	305.2	272.6
52.5°	412.1	411.9	412.6	411.9	408.0	399.6	384.6	365.7	342.2	314.2	279.8
55°	423.0	423.0	423.5	422.5	418.9	409.5	394.0	373.9	350.0	321.2	286.1
57.5°	431.7	432.2	432.0	431.7	427.6	417.7	401.3	380.5	356.3	326.3	290.7
60°	438.5	438.7	438.7	438.3	434.1	423.7	407.1	385.5	360.4	330.6	294.3
62.5°	442.9	443.1	443.1	442.6	438.5	427.9	410.9	388.7	363.3	333.3	296.8
65°	445.5	445.8	445.8	445.3	441.2	430.3	412.9	390.4	364.7	334.7	298.2
67°	446.5	446.5	446.5	446.2	441.9	431.2	413.3	390.6	365.2	335.2	298.9
67.5°	446.2	446.2	446.5	446.0	441.9	431.0	413.1	390.6	365.0	335.2	298.9
70°	445.5	445.5	445.5	445.0	440.9	430.0	412.1	389.4	364.2	334.7	298.7
72.5°	442.9	443.1	443.1	442.6	438.5	427.9	410.0	387.2	362.3	333.3	298.0
75°	439.7	439.7	439.7	439.2	435.1	424.5	406.8	384.3	359.9	331.4	296.5
77.5°	435.1	435.1	435.1	434.6	430.5	420.1	402.7	380.7	356.7	328.7	294.8
80°	429.3	429.5	429.3	428.8	424.7	414.3	397.6	376.1	352.6	325.5	292.4
82.5°	422.5	422.8	422.5	421.6	417.7	407.8	391.1	370.1	347.8	321.4	289.5
85°	413.8	413.6	413.8	412.4	409.0	399.1	383.8	363.3	341.8	316.6	285.4
87.5°	403.9	404.2	403.7	402.9	398.8	389.2	374.6	355.5	334.7	310.8	280.6
90°	393.0	393.0	392.8	391.8	387.5	378.8	365.0	346.6	327.2	304.3	275.5
92.5°	381.9	381.7	380.9	380.5	376.6	367.6	354.3	337.9	319.7	297.7	270.2
95°	369.6	369.6	369.1	368.1	363.8	356.5	343.7	328.2	311.0	290.7	264.6
97.5°	356.5	356.3	356.0	354.6	350.7	343.4	333.0	318.1	302.3	283.2	258.3
100°	343.7	343.0	342.5	341.0	337.6	330.6	320.7	307.7	292.4	275.0	251.5
102.5°	328.7	328.7	328.5	327.0	322.6	316.8	307.9	296.3	283.2	266.5	244.3
105°	315.4	314.2	313.7	312.2	308.9	302.6	295.1	284.9	272.8	257.3	237.0
107.5°	300.4	299.4	299.2	297.0	294.3	288.5	282.3	272.8	262.7	248.9	229.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*285.2*	284.7	284.4	282.3	278.9	275.0	268.5	261.0	252.0	239.4	222.5
112.5°	*270.2*	269.7	269.7	268.0	264.8	260.0	255.4	248.9	240.9	230.0	214.3
115°	*255.4*	254.7	254.4	252.5	249.4	245.7	241.1	236.5	229.8	220.6	206.3
117.5°	*240.7*	239.7	239.9	238.2	235.8	232.2	227.8	224.7	218.9	210.4	198.3
120°	*225.4*	225.7	225.7	223.5	221.3	218.4	214.8	211.6	207.8	200.3	189.1
122.5°	*210.9*	211.4	211.4	209.9	207.3	204.6	202.2	199.3	195.9	190.1	180.2
125°	*196.4*	197.4	196.9	195.7	193.5	190.6	188.9	186.5	183.8	179.0	170.3
127.5°	*183.1*	183.1	181.9	182.1	179.9	177.5	176.1	174.4	171.7	167.1	160.1
130°	*169.3*	169.5	169.8	168.3	166.4	164.5	163.0	162.3	160.1	156.2	149.2
132.5°	*156.7*	156.7	156.2	155.3	153.6	152.1	152.1	150.0	148.3	144.6	138.6
135°	*144.4*	144.2	144.2	143.2	142.0	141.2	139.6	138.6	136.9	133.5	128.9
137.5°	*132.3*	132.8	132.3	131.6	130.4	129.4	128.2	127.9	125.5	123.1	118.0
140°	*120.7*	121.4	120.7	120.4	119.5	118.3	117.5	116.6	115.9	112.7	108.4
142.5°	*109.8*	110.3	109.8	109.6	108.8	107.9	107.4	106.7	105.0	103.0	99.4
145°	*100.4*	100.1	100.1	99.9	98.9	98.2	97.5	97.0	96.0	94.1	90.0
147.5°	*91.2*	90.5	90.9	90.5	89.7	89.2	89.0	88.0	87.1	85.1	82.2
150°	*81.7*	82.2	82.0	81.7	81.0	81.0	80.3	79.6	78.8	76.7	74.7
152.5°	*74.0*	74.0	74.3	73.8	73.5	72.8	72.3	72.1	71.1	69.7	67.5
155°	*67.5*	67.2	67.2	67.2	66.8	66.0	65.8	65.3	64.8	63.1	61.2
157.5°	*61.2*	61.2	61.2	60.9	60.9	60.2	60.0	59.3	58.5	57.6	55.9
160°	*55.9*	55.9	55.6	55.6	55.4	55.1	54.7	53.9	53.5	52.7	51.3
162.5°	*51.5*	51.3	51.3	51.0	50.8	50.3	50.1	49.8	49.1	48.4	47.2
165°	*47.4*	47.4	47.4	47.2	46.9	46.7	46.4	46.0	45.5	45.0	44.3
167.5°	*44.3*	44.3	44.3	44.0	44.0	43.8	43.5	43.1	42.6	42.1	41.6
170°	*41.8*	41.8	41.8	41.6	41.4	41.1	40.9	40.6	40.4	39.9	39.7
172.5°	*39.9*	39.9	39.9	39.9	39.4	39.2	38.9	38.9	38.7	38.5	38.2
175°	*38.2*	38.2	38.2	38.2	38.0	37.7	37.5	37.5	37.2	37.0	36.8
177.5°	*37.2*	37.2	37.2	37.0	37.0	36.8	36.5	36.5	36.3	36.3	36.0
180°	*36.0*	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
2.5°	20.8	19.8	18.1	16.7	15.5	14.3	13.5	12.8	12.8	13.1	12.6
5°	25.2	23.5	20.3	16.9	14.0	11.6	9.7	8.0	6.5	5.8	5.8
7.5°	33.4	31.4	27.1	22.7	18.6	14.8	11.6	8.9	6.8	5.6	5.3
10°	42.8	40.6	34.6	29.3	24.2	19.3	15.2	11.6	9.2	8.0	7.7
12.5°	53.7	50.8	43.5	36.8	30.2	24.2	19.1	15.0	12.6	11.4	11.1
15°	66.3	61.7	53.5	45.0	36.5	29.0	23.0	18.4	15.7	14.0	14.0
17.5°	77.6	72.8	62.9	52.0	42.3	33.6	26.4	20.8	17.2	15.5	15.2
20°	90.7	84.2	72.3	59.7	47.9	37.2	28.5	22.3	17.9	15.7	15.7
22.5°	104.0	97.2	82.7	67.5	53.2	40.6	30.7	23.2	18.4	16.0	15.7
25°	119.7	110.5	93.1	75.9	59.3	44.3	32.7	24.2	18.9	16.4	16.0
27.5°	135.0	125.5	105.2	84.4	64.8	47.9	34.3	25.2	19.3	16.7	16.4
30°	150.9	139.3	116.3	93.1	70.6	51.0	36.0	25.9	19.6	16.9	16.4
32.5°	166.9	154.1	128.7	101.6	76.2	53.9	37.5	26.4	20.1	17.2	16.7
35°	183.1	169.3	140.5	110.0	81.3	56.6	38.5	26.8	20.3	17.2	16.9
37.5°	197.1	182.6	151.6	117.8	85.6	58.8	39.4	27.3	20.3	17.4	17.2
40°	211.1	195.4	161.3	124.3	89.5	60.5	40.1	27.6	20.6	17.7	17.4
42.5°	223.7	206.3	169.8	130.1	92.6	61.7	40.4	27.6	20.8	17.9	17.7
45°	235.1	217.4	177.8	135.7	95.3	62.4	40.6	27.8	21.0	18.1	17.9
47.5°	245.5	226.6	185.0	140.3	97.5	63.1	40.6	27.8	21.3	18.6	18.1
50°	254.2	234.4	191.1	144.2	98.9	63.4	40.4	27.8	21.5	18.9	18.6
52.5°	261.0	240.9	196.2	146.8	99.9	63.1	40.1	27.8	21.8	19.1	18.9
55°	266.8	246.2	199.8	149.0	100.1	62.6	39.9	27.8	22.0	19.6	19.3
57.5°	271.1	250.1	202.9	150.7	100.4	62.2	39.4	27.8	22.3	19.8	19.6
60°	274.5	253.5	205.3	151.6	100.1	61.4	39.2	27.8	22.5	20.3	20.1
62.5°	276.9	255.4	206.8	151.9	99.4	60.7	38.7	27.8	22.7	20.8	20.6
65°	278.4	256.9	208.0	152.1	98.7	60.0	38.5	28.1	23.2	21.5	21.3
67°	*278.9*	*257.6*	*208.2*	*152.1*	*98.2*	*59.5*	*38.5*	*28.3*	*23.7*	*21.8*	*21.5*
67.5°	279.1	257.6	208.2	151.9	98.0	59.5	38.5	28.3	23.7	22.0	21.8
70°	278.9	257.6	208.2	151.4	97.2	59.0	38.2	28.8	24.4	22.7	22.5
72.5°	278.4	257.1	207.8	150.7	96.3	58.5	38.5	29.3	25.2	23.5	23.2
75°	277.2	256.1	206.8	149.7	95.5	58.0	38.7	29.7	25.9	24.4	24.2
77.5°	276.0	254.9	206.1	148.7	94.8	58.0	38.9	30.5	26.8	25.4	25.2
80°	273.8	253.2	204.6	147.8	94.1	57.8	39.4	31.4	27.8	26.4	26.1
82.5°	271.1	250.8	202.7	146.3	93.4	57.8	40.1	32.2	28.8	27.3	27.1
85°	267.5	247.7	200.3	144.4	92.6	58.0	40.6	33.1	29.7	28.5	28.3
87.5°	263.4	243.8	197.4	142.7	91.9	58.0	41.4	34.1	30.7	29.5	29.5
90°	258.6	239.7	194.0	140.8	91.2	58.5	42.3	35.1	31.9	30.7	30.7
92.5°	254.2	235.3	191.3	138.8	90.7	59.0	43.3	36.3	33.1	31.9	31.9
95°	248.4	230.7	187.4	137.1	90.5	59.5	44.3	37.5	34.6	33.4	33.1
97.5°	242.8	225.7	184.1	135.2	90.2	60.5	45.5	38.9	35.8	34.6	34.6
100°	236.8	220.6	180.2	133.5	90.2	61.7	47.2	40.4	37.5	36.3	36.0
102.5°	231.0	215.0	176.3	131.8	90.7	62.9	48.9	42.1	39.2	38.0	37.7
105°	224.4	209.2	172.9	130.4	91.2	64.6	50.8	44.3	41.1	39.9	39.7
107.5°	217.9	203.9	169.1	129.2	92.2	66.8	53.2	46.4	43.3	41.8	41.6

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

Scaled Data Report

REPORT NUMBER: P1045848
CATALOG NUMBER: FFX-CLB-20-730-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	210.9	198.1	165.7	128.2	93.6	69.2	55.9	49.3	45.7	44.3	44.0
112.5°	204.4	192.3	162.0	127.5	95.1	72.1	59.0	52.0	48.6	46.7	46.4
115°	197.1	186.2	158.7	126.7	96.7	75.0	62.4	54.9	51.3	49.3	49.3
117.5°	190.1	179.9	154.8	126.0	98.4	78.1	65.5	58.0	53.9	52.0	51.8
120°	181.9	173.2	150.7	124.6	99.4	80.5	68.2	60.7	56.1	54.2	53.9
122.5°	173.7	165.7	145.4	122.4	99.6	82.0	70.1	62.9	58.0	55.9	55.6
125°	164.2	157.5	139.8	119.0	98.9	82.7	71.3	63.6	58.8	56.4	56.1
127.5°	155.0	148.5	133.3	114.9	97.0	82.0	71.1	63.6	58.8	56.1	55.9
130°	145.1	139.3	125.5	109.8	93.8	80.3	70.1	62.6	57.8	55.1	54.9
132.5°	135.0	130.1	118.0	104.2	90.0	77.6	68.0	60.9	56.1	53.7	53.5
135°	125.0	120.7	110.3	98.0	85.9	74.5	65.5	58.8	53.9	51.8	51.8
137.5°	115.6	111.5	102.3	91.9	81.0	70.9	62.6	56.1	52.0	49.8	49.3
140°	105.9	102.6	94.6	85.4	75.9	67.0	59.5	53.5	49.6	47.6	47.4
142.5°	97.0	94.1	87.3	79.8	71.1	63.4	56.4	51.3	47.6	45.7	45.5
145°	88.5	85.9	80.1	73.3	66.3	59.5	53.2	48.6	45.5	44.0	43.8
147.5°	80.1	78.4	73.5	68.0	61.4	55.4	50.3	46.4	43.5	42.3	42.1
150°	73.0	70.9	67.2	62.2	57.1	52.0	47.6	44.3	42.1	40.9	40.9
152.5°	66.0	64.8	61.2	57.3	53.0	48.9	45.0	42.3	40.6	39.7	39.7
155°	60.7	59.0	55.9	52.7	49.1	45.7	43.1	40.9	39.4	38.7	38.5
157.5°	55.1	54.2	51.8	48.9	46.2	43.5	41.4	39.7	38.5	38.0	37.7
160°	50.5	49.8	47.9	45.7	43.5	41.6	39.9	38.7	37.7	37.2	37.2
162.5°	46.7	46.2	44.5	43.1	41.4	39.9	38.7	37.7	37.2	37.0	37.0
165°	43.8	43.3	42.1	40.9	39.9	38.7	38.0	37.2	36.8	36.8	36.8
167.5°	41.4	40.9	40.1	39.4	38.7	37.7	37.2	36.8	36.8	36.5	36.5
170°	39.4	39.2	38.5	38.0	37.5	37.0	36.8	36.5	36.3	36.3	36.3
172.5°	38.0	37.7	37.2	37.0	36.5	36.3	36.3	36.3	36.3	36.3	36.3
175°	36.8	36.5	36.5	36.3	36.0	36.0	35.8	36.0	36.0	36.0	36.0
177.5°	36.0	36.0	35.8	35.8	35.8	35.8	35.8	36.0	36.0	36.3	36.3
180°	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0

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: SP1-2501-332-9

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

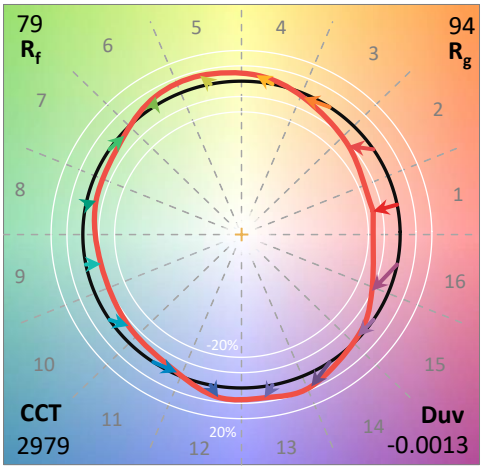
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2979
CIE u':	0.2518
CIE v':	0.5199
Duv:	-0.0013
CIE x:	0.4365
CIE y:	0.4006
CIE z:	0.1630
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	583
Purity:	51.24251
Rf:	79.2
Rg:	94.4

CRI (Ra):	75.1				
R1:	72.0	R9:	-26.5
R2:	87.0	R10:	72.2
R3:	93.5	R11:	69.1
R4:	71.3	R12:	66.7
R5:	73.0	R13:	75.2
R6:	83.8	R14:	96.7
R7:	76.4	R15:	63.2
R8:	44.1		



Test Conditions

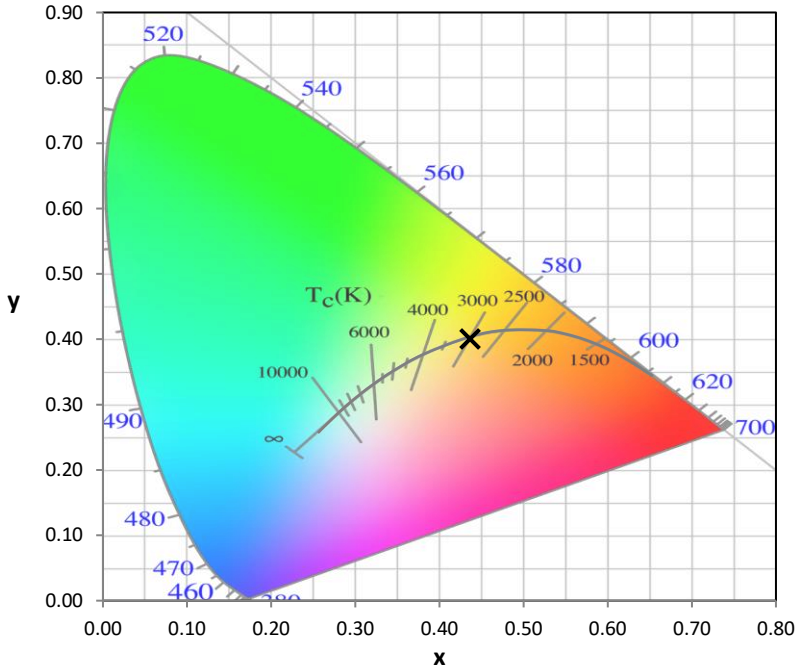
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

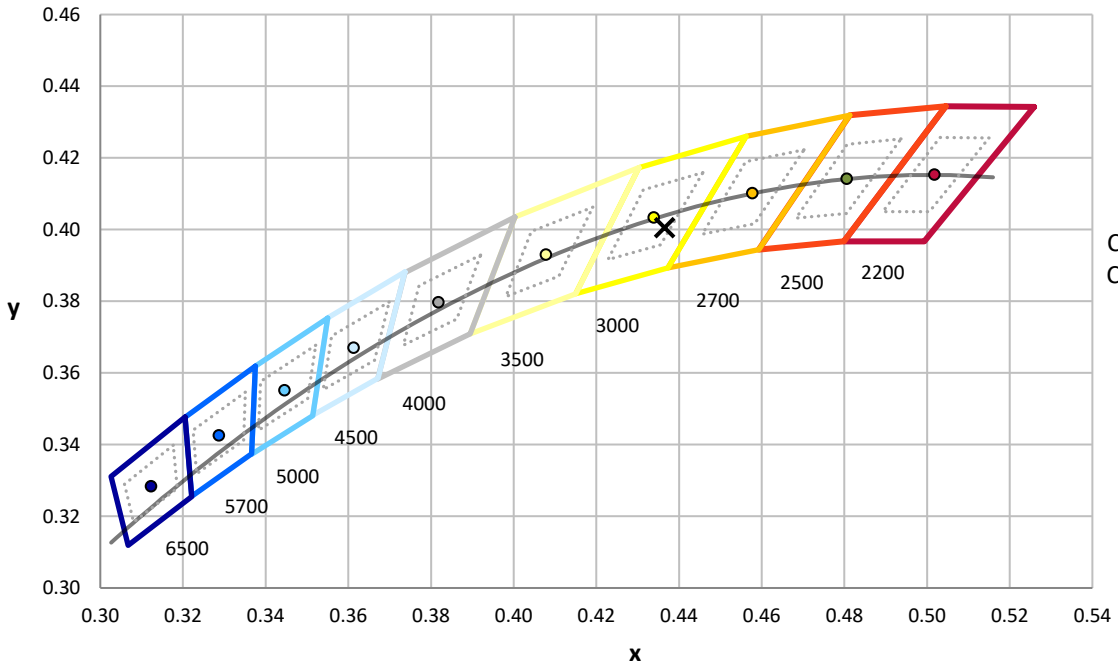
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-9

CIE 1931 Chromaticity Diagram



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

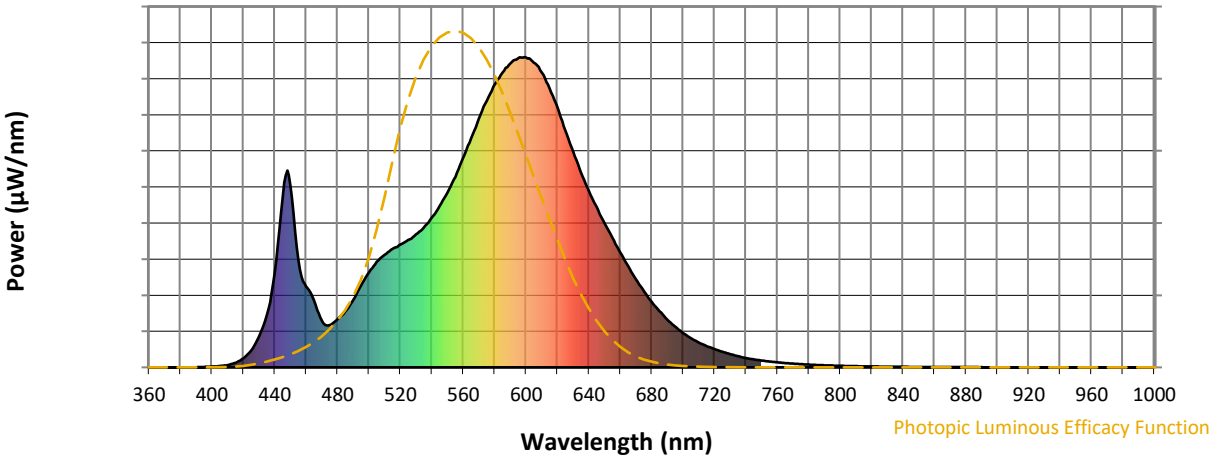


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

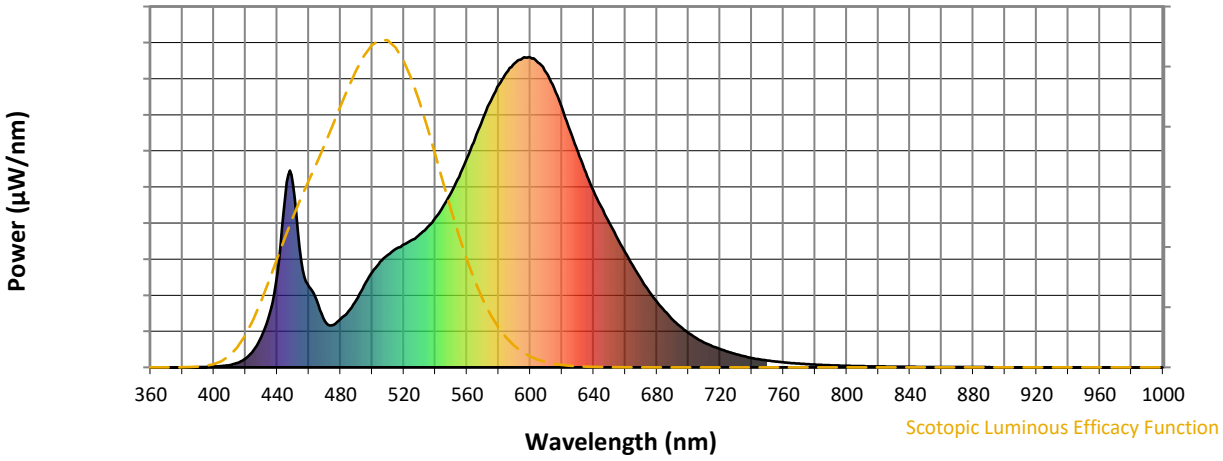


Photopic Lumens: NR

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Scotopic Flux vs. Wavelength

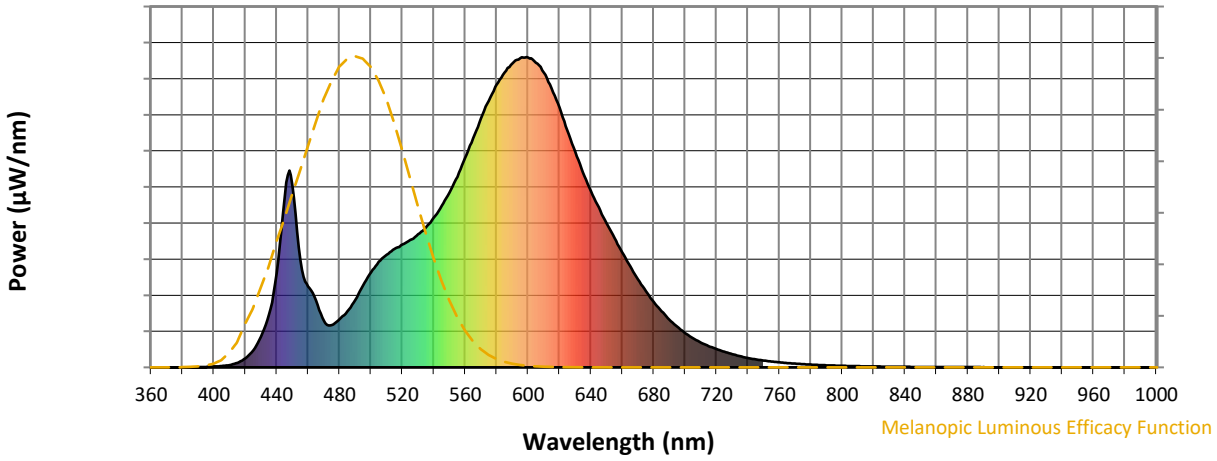


Scotopic Lumens: NR **S/P: 1.29**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.45**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

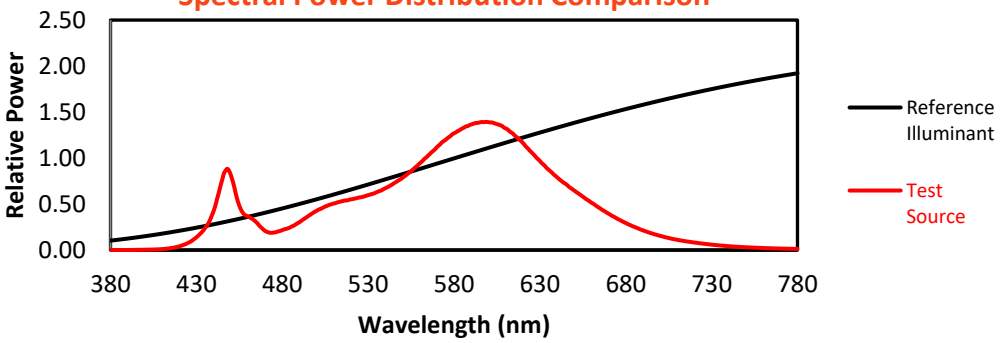
REPORT NUMBER: SP1-2501-332-9

TM-30-18

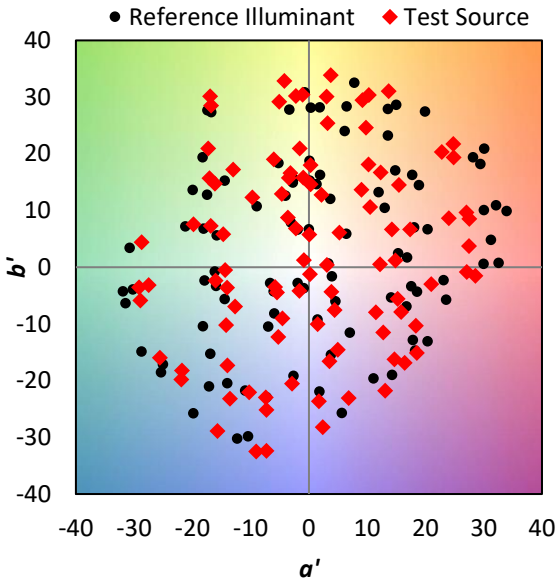
Summary

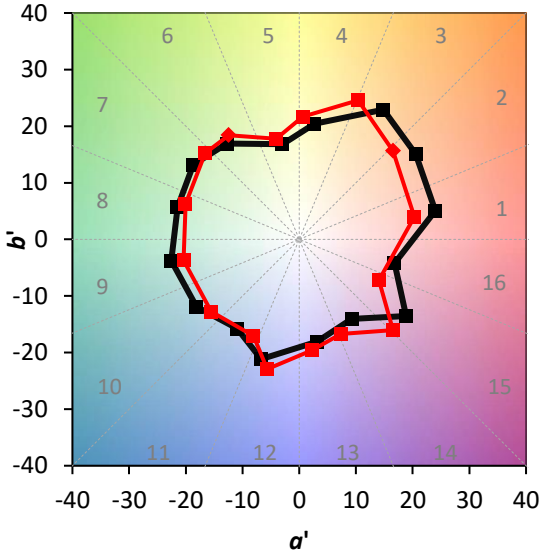
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

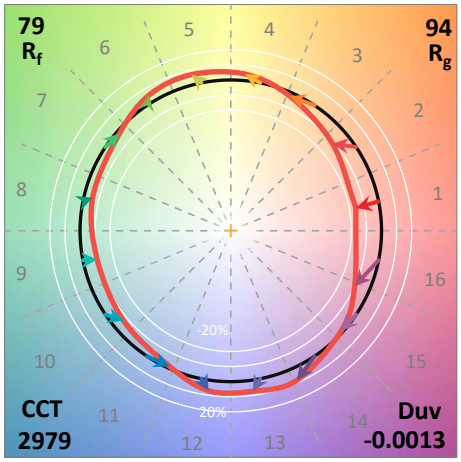
Spectral Power Distribution Comparison

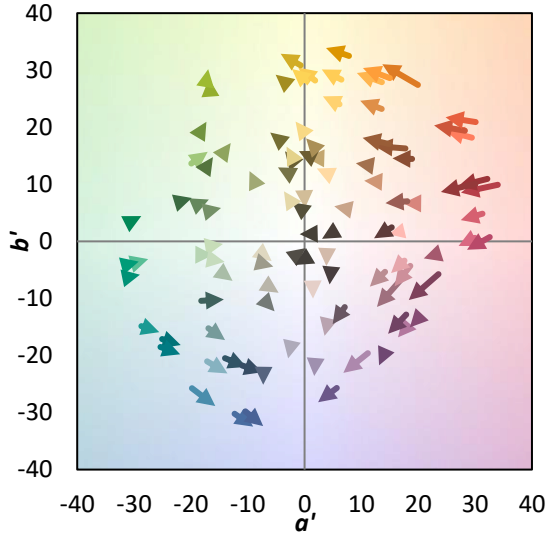


Color Vector Graphics







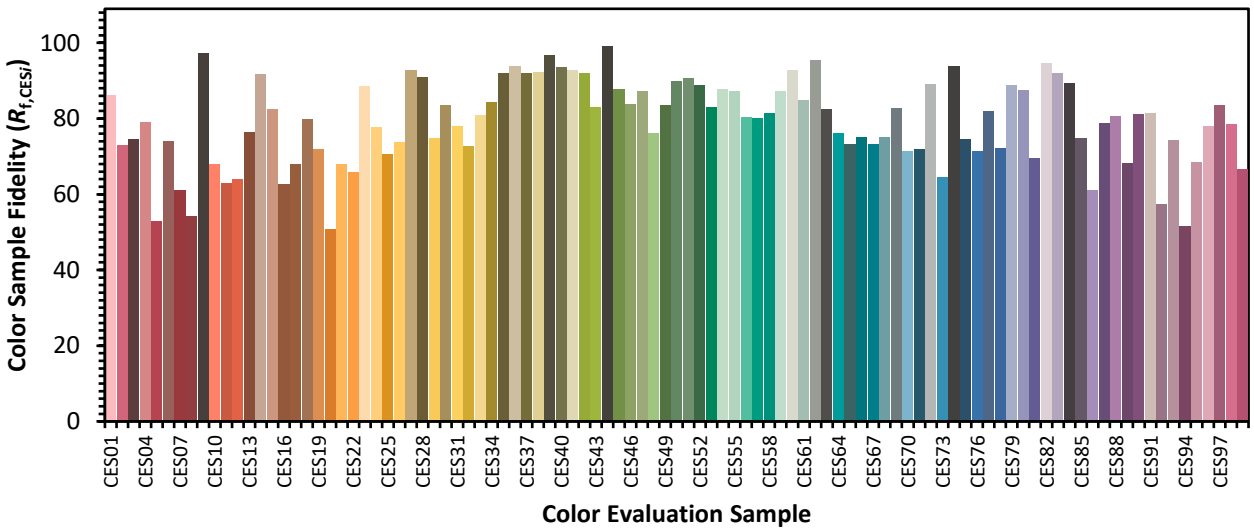


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

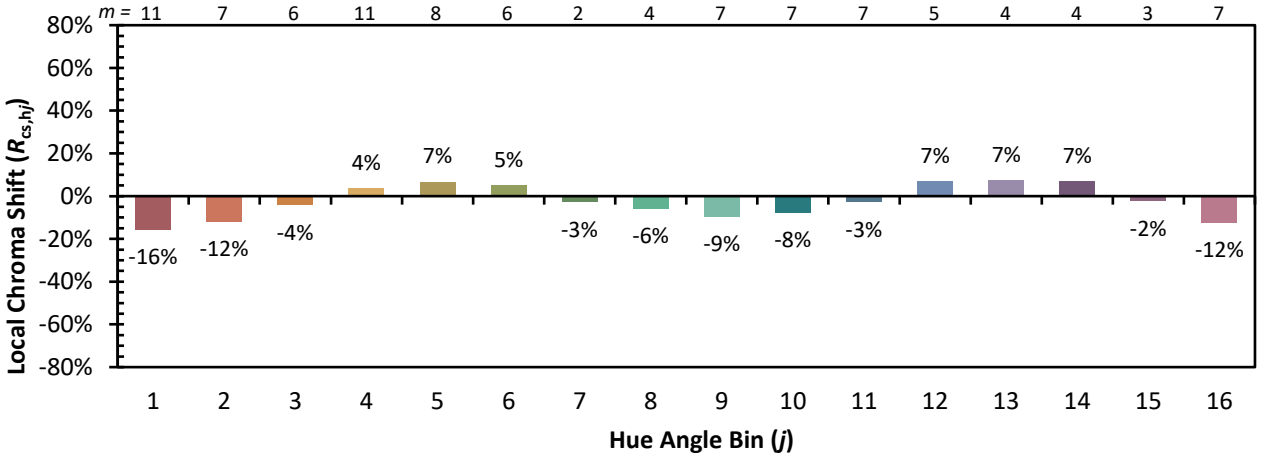
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CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 80	CES82 = 95
CES08 = 40	CES33 = 81	CES58 = 81	CES83 = 92
CES09 = 29	CES34 = 84	CES59 = 87	CES84 = 89
CES10 = 76	CES35 = 92	CES60 = 93	CES85 = 75
CES11 = 59	CES36 = 94	CES61 = 85	CES86 = 61
CES12 = 65	CES37 = 92	CES62 = 96	CES87 = 79
CES13 = 43	CES38 = 92	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 76	CES89 = 68
CES15 = 71	CES40 = 94	CES65 = 73	CES90 = 81
CES16 = 47	CES41 = 93	CES66 = 75	CES91 = 81
CES17 = 50	CES42 = 92	CES67 = 73	CES92 = 57
CES18 = 56	CES43 = 83	CES68 = 75	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 52
CES20 = 66	CES45 = 88	CES70 = 71	CES95 = 69
CES21 = 87	CES46 = 84	CES71 = 72	CES96 = 78
CES22 = 79	CES47 = 87	CES72 = 89	CES97 = 84
CES23 = 92	CES48 = 76	CES73 = 64	CES98 = 78
CES24 = 91	CES49 = 84	CES74 = 94	CES99 = 67
CES25 = 72	CES50 = 90	CES75 = 75	

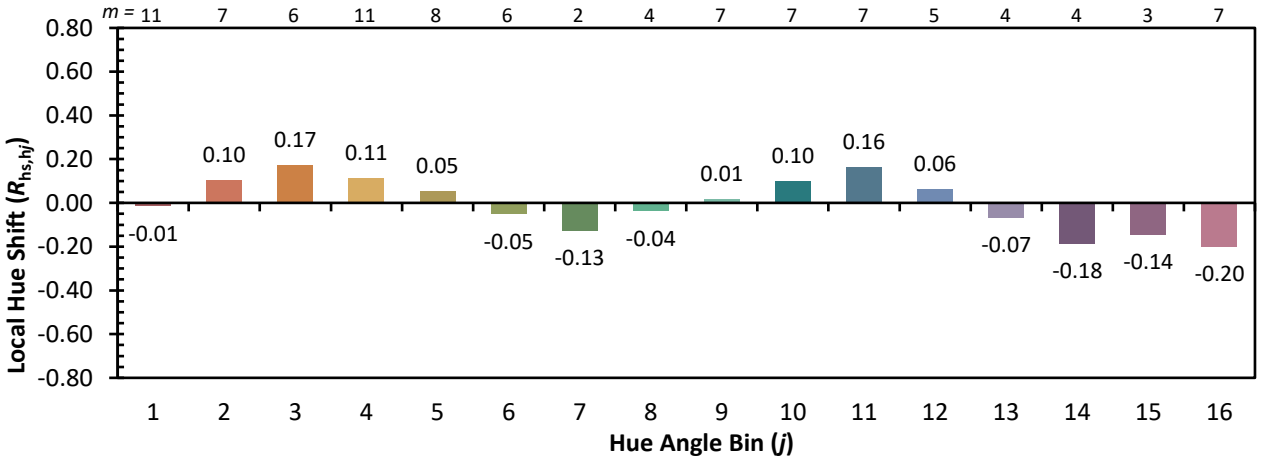


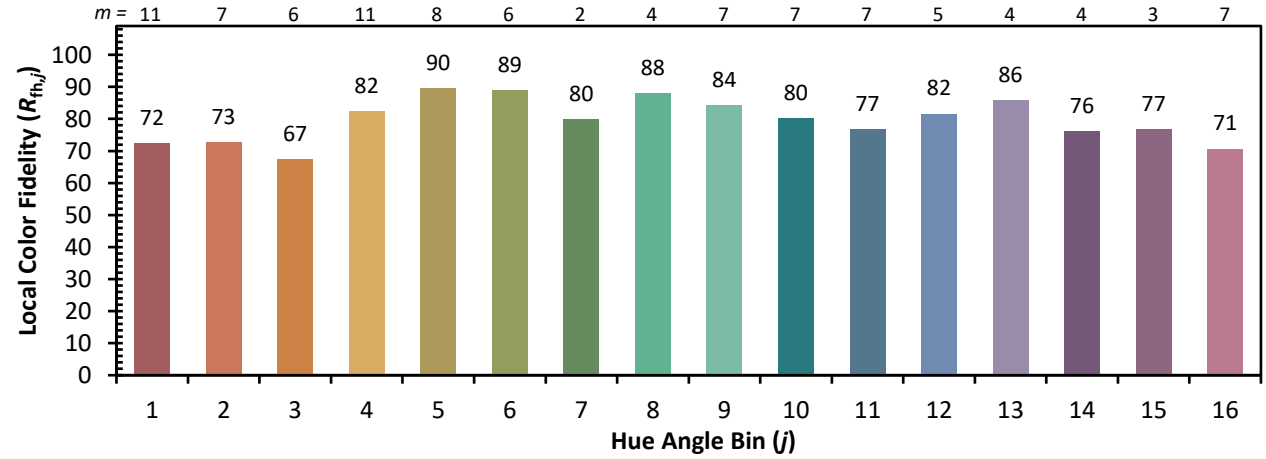
REPORT NUMBER: SP1-2501-332-9

TM-30-18

Color Rendition by Hue-Angle Bin



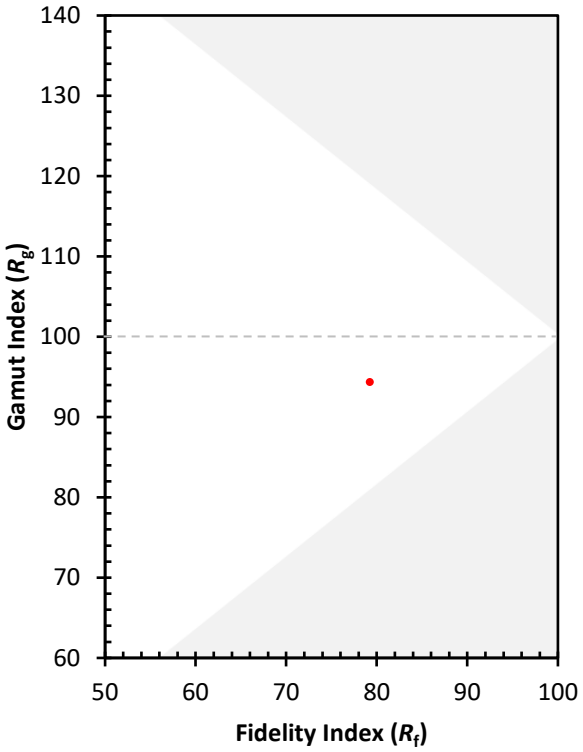


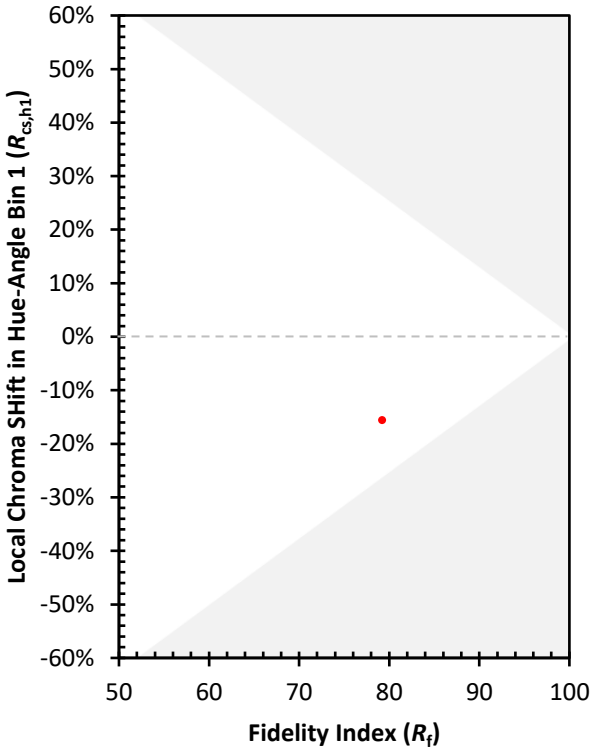


REPORT NUMBER: SP1-2501-332-9

TM-30-18

Measure Comparisons





(END OF REPORT)