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: P1046549

Luminaire Tested: **FFX-CLB-30-722-U-FR-T3-UPLR-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:	P1046549
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-722-U-FR-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3637.4 lumens
Efficiency:	N/A
Efficacy:	118.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U4 - G2

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

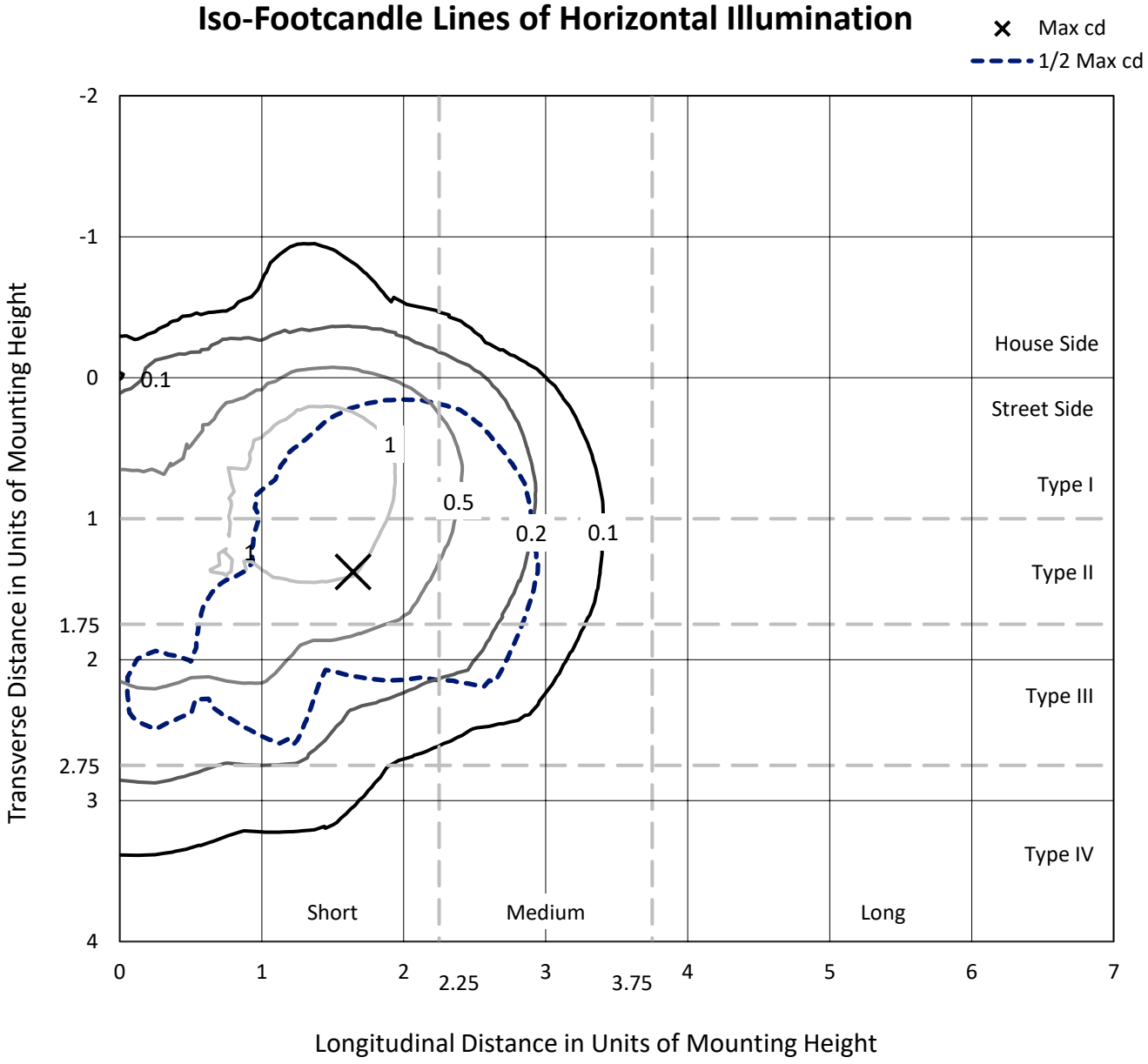


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Iso-Footcandle Lines of Horizontal Illumination



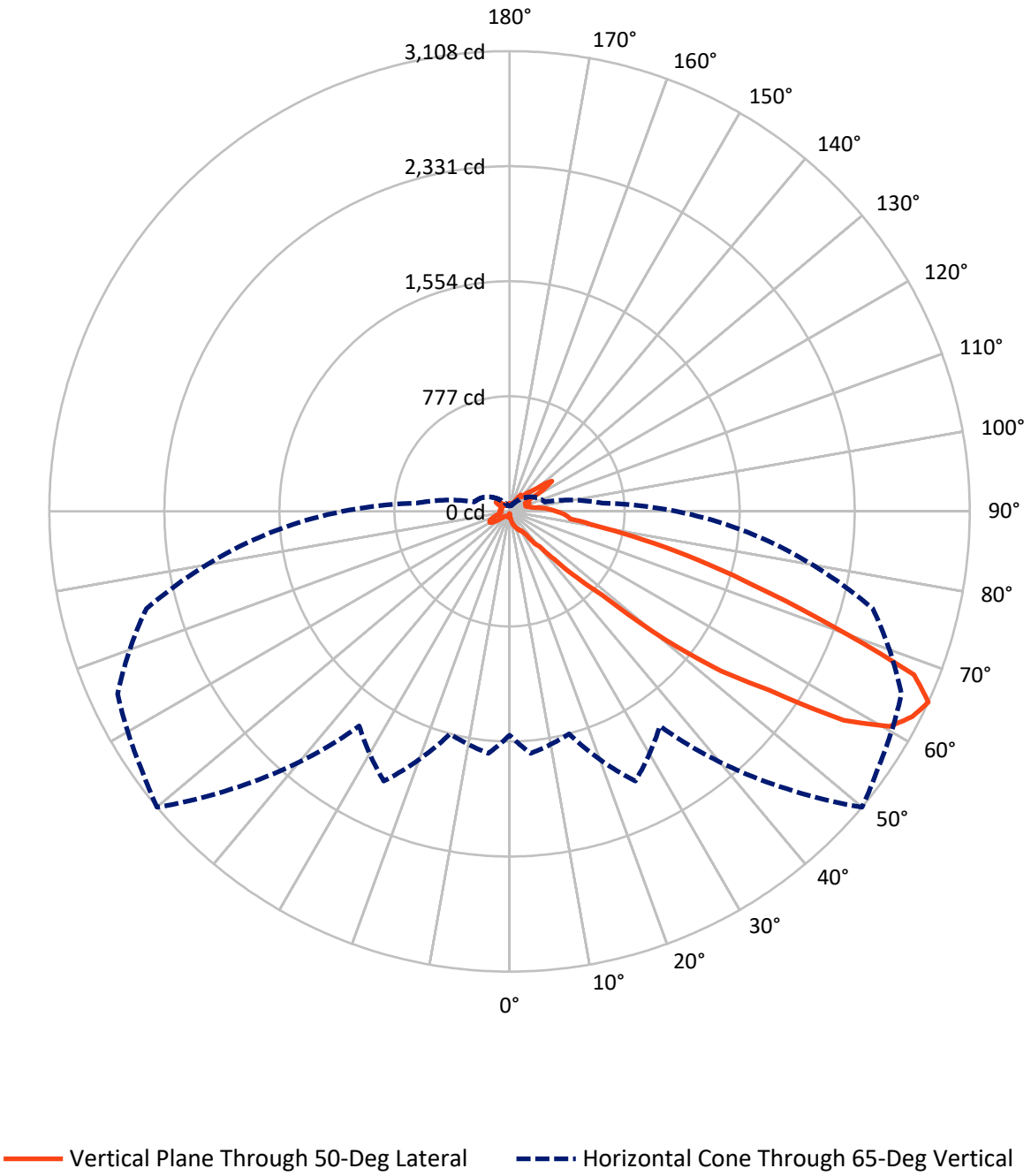
Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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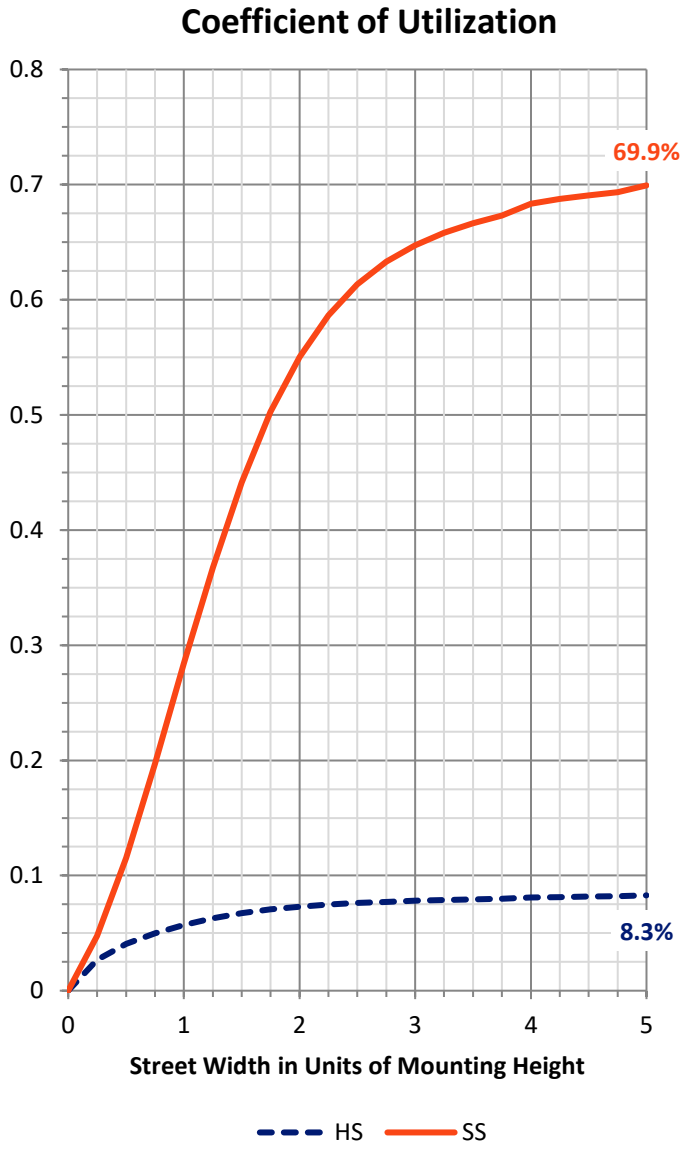
REPORT NUMBER: P1046549
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	319.1	210.0	529.1
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	2631.2	477.1	3108.3
	% Fixture	72.3	13.1	85.5
Total	Lumens	2950.2	687.1	3637.4
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	19.0	0.5
20°-30°	40.5	1.1
30°-40°	80.9	2.2
40°-50°	212.0	5.8
50°-60°	702.5	19.3
60°-70°	1107.9	30.5
70°-80°	578.5	15.9
80°-90°	205.4	5.6
90°-100°	132.6	3.6
100°-110°	89.4	2.5
110°-120°	102.0	2.8
120°-130°	169.1	4.6
130°-140°	96.6	2.7
140°-150°	52.9	1.5
150°-160°	25.9	0.7
160°-170°	13.7	0.4
170°-180°	4.9	0.1
0°-90°	2950.2	81.1
0°-180°	3637.4	100.0



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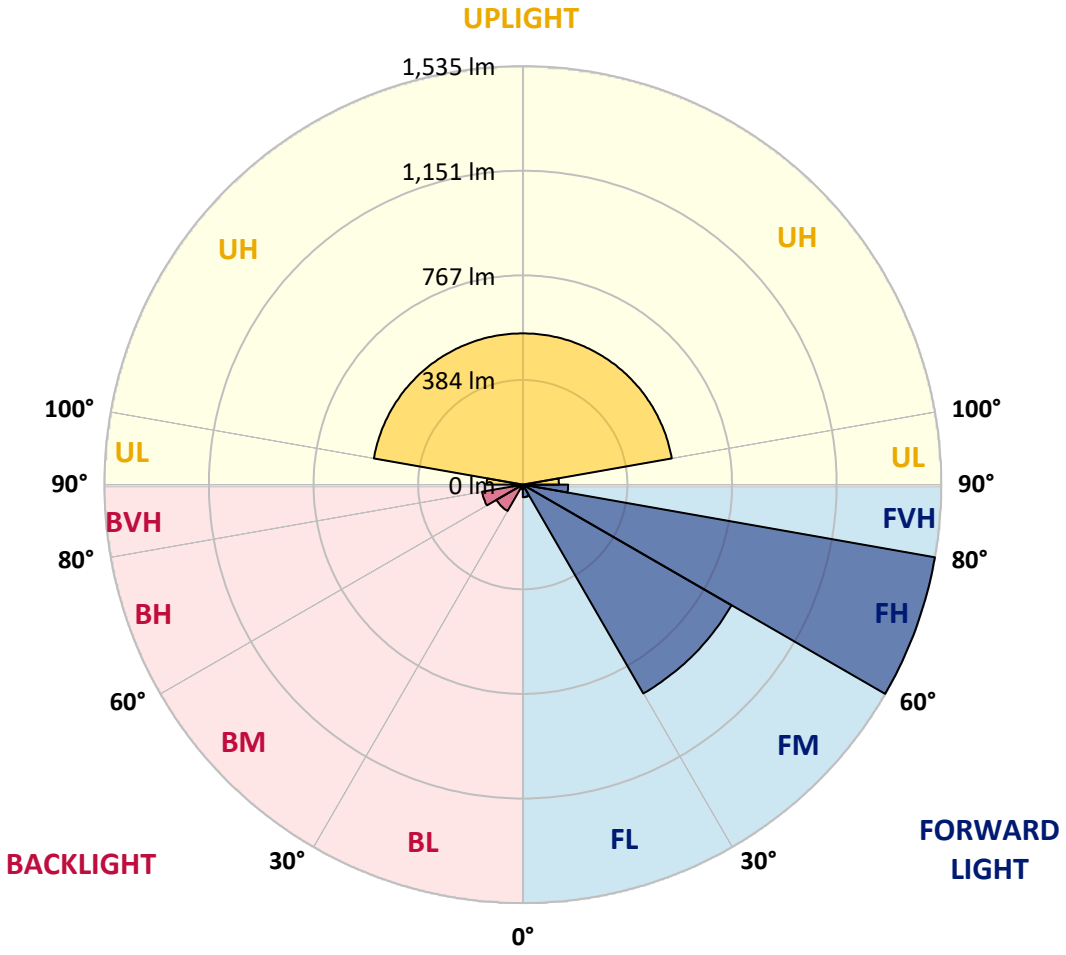
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	46.3	1.3			
FM	(30°-60°)	883.9	24.3			
FH	(60°-80°)	1534.6	42.2			G1/1800
FVH	(80°-90°)	166.3	4.6			G2/225
BL	(0°-30°)	16.7	0.5	B0/110		
BM	(30°-60°)	111.5	3.1	B0/220		
BH	(60°-80°)	151.7	4.2	B1/500		G1/500
BVH	(80°-90°)	39.1	1.1			G1/100
UL	(90°-100°)	132.6	3.6		U3/500	
UH	(100°-180°)	554.6	15.2		U4/1000	

BUG Rating: B1-U4-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	20.3	20.3	20.3	20.3	20.3	20.3	*20.3*	20.3	20.3	20.3	20.3
2.5°	24.7	24.4	24.9	25.7	25.4	24.7	*24.2*	23.9	23.1	22.9	22.1
5°	36.5	36.2	35.7	36.2	36.5	35.5	*35.0*	33.7	32.4	30.1	28.8
7.5°	51.2	51.4	51.9	50.6	50.1	47.8	*47.3*	46.0	44.0	41.1	40.4
10°	69.4	69.7	70.9	68.9	65.6	62.7	*62.2*	62.7	65.0	57.8	53.5
12.5°	87.4	86.6	90.5	89.5	85.1	81.0	*78.9*	79.2	78.1	72.7	65.6
15°	104.1	104.1	106.9	108.0	103.3	93.8	*90.7*	90.0	89.5	83.8	73.8
17.5°	114.7	115.2	115.4	115.4	113.9	105.9	*102.3*	100.8	96.1	91.0	81.7
20°	123.4	123.6	121.3	121.6	123.9	117.0	*113.4*	110.3	105.4	100.0	88.4
22.5°	135.5	135.0	131.4	129.8	135.0	129.0	*125.2*	121.8	115.9	109.8	99.2
25°	148.8	148.3	144.7	140.9	144.5	139.1	*135.0*	131.9	126.5	122.4	100.8
27.5°	161.7	161.2	155.0	154.5	151.4	148.8	*144.5*	143.7	139.6	127.5	100.0
30°	171.2	170.7	164.0	164.3	156.3	158.4	*151.9*	151.4	146.5	130.6	101.8
32.5°	174.8	175.3	172.5	171.2	160.4	168.6	*162.7*	160.7	159.4	138.8	110.8
35°	187.9	192.0	196.4	197.9	188.2	203.6	*191.5*	190.0	193.1	168.9	138.3
37.5°	288.9	286.9	270.7	247.8	242.7	276.6	*274.8*	276.1	274.0	240.4	183.0
40°	289.2	290.5	280.2	266.3	250.1	284.8	*311.3*	287.9	322.1	261.9	200.8
42.5°	303.8	299.7	324.2	329.6	311.6	363.2	*441.4*	353.2	427.0	319.3	273.3
45°	359.6	359.6	364.0	366.6	360.1	490.0	*641.1*	492.8	570.7	399.5	328.0
47.5°	417.2	412.3	437.3	479.2	504.1	630.6	*846.3*	651.1	774.0	537.0	455.3
50°	581.7	588.7	636.5	685.3	722.6	938.8	*1362.4*	1115.7	1264.2	825.7	695.1
52.5°	709.5	750.1	786.9	923.9	940.6	1282.7	*1791.0*	1496.9	1619.8	1160.1	860.6
55°	841.4	921.8	943.7	1185.6	1204.6	1648.3	*2132.1*	1896.1	1930.8	1529.5	1021.8
57.5°	1083.0	1195.3	1202.8	1460.9	1460.1	2123.6	*2661.9*	2469.1	2442.9	1947.8	1268.9
60°	1291.0	1419.0	1373.2	1730.8	1650.6	2474.0	*2949.0*	2754.7	2697.4	2283.2	1442.6
62.5°	1417.2	1542.1	1485.8	1908.7	1772.2	2641.6	*3052.9*	2939.5	2841.8	2486.3	1584.3
65°	*1511.3*	*1640.1*	*1555.7*	*2009.7*	*1769.9*	*2649.8*	*3107.9*	*3034.6*	*2920.2*	*2539.3*	*1615.4*
67.5°	1498.9	1624.6	1523.6	1969.6	1646.2	2413.0	*2946.2*	2854.9	2713.6	2334.9	1510.8
70°	1299.7	1375.5	1264.5	1677.6	1316.2	1866.5	*2295.1*	2242.4	2106.4	1787.4	1168.6
72.5°	1094.1	1112.8	1008.7	1313.1	1026.2	1359.9	*1743.9*	1687.6	1598.4	1326.4	883.3
75°	845.0	845.0	785.3	984.6	762.4	965.0	*1320.0*	1305.6	1250.6	995.3	670.7
77.5°	570.7	540.9	531.9	665.0	526.7	636.7	*919.0*	952.9	938.5	712.6	488.9
80°	332.6	339.8	327.2	410.5	346.5	416.4	*589.7*	634.4	633.1	473.3	320.8
82.5°	259.4	264.5	251.4	295.6	264.5	327.8	*413.4*	410.5	420.3	342.9	241.4
85°	255.5	259.4	245.8	273.3	254.0	311.3	*388.4*	387.7	385.6	317.5	226.7
87.5°	232.4	237.5	225.7	247.8	230.3	284.3	*352.9*	357.1	351.1	297.7	218.0
90°	194.3	199.7	194.6	220.3	202.3	245.2	*306.9*	310.0	304.9	265.3	196.7
92.5°	174.8	178.4	172.2	194.6	175.6	215.4	*271.2*	273.0	265.0	233.4	170.2
95°	161.2	164.8	157.1	173.5	155.0	190.0	*230.8*	236.8	224.9	196.9	145.0
97.5°	133.9	131.6	128.5	142.7	128.3	149.6	*176.6*	181.0	173.5	152.7	115.4
100°	115.9	116.7	115.4	125.7	112.6	128.5	*149.6*	151.4	148.3	133.2	104.4
102.5°	112.3	112.6	114.9	121.8	106.7	118.2	*136.2*	137.3	136.5	122.1	96.4
105°	111.3	111.1	112.3	119.8	104.1	108.2	*125.4*	126.0	123.4	113.6	90.2
107.5°	105.1	105.9	105.7	112.3	102.3	102.8	*113.9*	113.6	113.1	104.1	85.3
110°	120.6	119.3	113.9	114.1	104.4	106.9	*118.0*	116.7	114.1	108.7	93.1

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REPORT NUMBER: P1046549
CATALOG NUMBER: FFX-CLB-30-722-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	171.5	167.9	161.7	141.4	131.1	138.3	*145.8*	147.0	144.2	139.3	117.7
115°	190.2	189.7	182.8	169.4	135.5	138.0	*142.9*	145.0	148.3	138.8	120.6
117.5°	156.0	164.5	153.7	155.5	136.2	119.8	*119.0*	114.9	116.7	115.7	111.6
120°	196.9	198.5	176.6	172.5	159.1	164.5	*164.8*	165.3	159.9	133.9	118.0
122.5°	276.9	276.9	283.0	294.3	287.4	277.6	*272.0*	266.3	258.9	234.2	200.3
125°	351.1	350.6	347.3	352.9	346.0	349.9	*351.7*	353.2	345.2	315.2	268.9
127.5°	283.0	290.2	302.3	332.9	313.6	308.2	*303.1*	306.7	300.8	295.1	266.3
130°	219.3	220.0	239.8	259.4	257.8	240.6	*234.7*	224.4	226.7	226.0	208.7
132.5°	187.4	188.4	200.0	211.0	220.3	207.7	*196.1*	190.7	192.5	191.3	180.2
135°	163.7	163.7	159.6	158.4	166.1	177.6	*176.3*	169.4	166.1	162.2	145.8
137.5°	141.6	141.1	133.7	129.6	135.7	150.6	*151.7*	151.7	148.3	139.1	127.2
140°	116.7	115.9	112.1	112.9	114.4	124.4	*125.2*	127.5	127.0	119.5	105.1
142.5°	88.4	88.7	94.3	100.8	104.4	126.0	*122.6*	120.0	128.3	127.8	91.8
145°	118.0	115.4	115.4	112.6	121.1	142.4	*135.7*	137.8	148.6	138.6	99.2
147.5°	108.2	109.5	109.8	109.3	120.0	121.3	*116.4*	116.7	120.6	120.6	101.5
150°	83.8	81.7	82.3	83.3	94.6	93.8	*89.5*	89.2	92.3	91.5	83.0
152.5°	66.3	66.1	65.8	66.8	76.1	72.2	*70.4*	69.7	69.1	68.4	66.3
155°	62.5	62.2	61.7	63.0	68.4	66.6	*65.6*	65.6	64.3	63.0	61.7
157.5°	55.5	55.3	55.5	58.1	61.2	59.1	*58.9*	58.6	58.1	56.6	56.0
160°	51.9	51.7	52.2	54.2	55.5	53.7	*53.2*	53.5	53.2	52.4	53.5
162.5°	49.1	49.1	49.1	50.4	50.9	49.6	*49.4*	49.6	49.9	49.9	51.2
165°	47.6	47.6	47.8	48.6	48.6	48.1	*47.6*	47.6	48.8	49.4	50.4
167.5°	48.6	48.6	48.8	49.1	49.1	48.6	*48.6*	48.8	49.6	50.1	50.1
170°	50.1	50.1	50.1	50.4	50.1	49.4	*49.4*	49.4	49.6	49.6	49.9
172.5°	51.9	51.9	51.9	51.7	51.2	50.9	*50.4*	50.4	50.6	50.4	50.6
175°	54.5	54.2	54.2	54.0	53.7	53.5	*53.2*	53.0	53.0	52.2	52.2
177.5°	55.8	55.5	55.8	55.8	55.5	55.0	*54.5*	54.5	54.2	53.7	53.5
180°	53.7	53.7	53.7	53.7	53.7	53.7	*53.7*	53.7	53.7	53.7	53.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
2.5°	21.6	20.8	18.8	17.0	15.7	15.2	15.2	14.4	13.4	12.6	12.3
5°	28.5	28.0	27.2	26.2	23.9	20.8	18.3	17.2	16.7	16.5	16.2
7.5°	40.4	40.9	41.9	41.6	37.3	29.0	24.2	23.9	26.7	29.8	30.8
10°	52.2	51.7	55.0	57.8	47.0	32.9	24.9	24.2	28.0	33.4	34.2
12.5°	62.5	59.9	58.1	55.0	45.0	32.9	26.7	25.2	27.0	31.1	31.1
15°	70.2	66.8	59.4	52.2	43.2	33.9	27.8	26.7	26.7	25.4	25.7
17.5°	76.1	69.9	59.1	49.9	40.1	32.4	27.5	24.7	23.1	21.1	20.6
20°	83.0	78.7	64.3	51.4	39.6	31.4	26.7	23.4	21.6	20.8	20.6
22.5°	90.5	81.5	67.6	51.9	39.6	31.9	26.5	22.9	21.3	20.8	20.8
25°	91.3	83.5	69.4	54.0	40.9	32.9	27.0	23.1	21.6	21.1	20.8
27.5°	90.2	84.8	72.5	56.3	42.2	33.9	28.0	23.6	21.6	20.8	20.6
30°	94.1	89.7	76.1	57.8	43.4	35.2	29.0	24.7	22.1	20.6	20.3
32.5°	103.9	97.7	81.0	58.9	44.0	35.5	30.1	25.7	22.6	20.8	20.6
35°	129.6	123.9	99.7	62.5	44.0	36.0	30.8	26.5	23.1	21.1	20.8
37.5°	166.8	156.3	122.6	74.5	44.5	37.0	31.6	27.5	23.9	21.6	21.1
40°	176.9	149.4	104.1	66.8	45.5	38.0	32.9	28.5	24.9	22.4	22.1
42.5°	229.6	191.0	128.5	70.7	48.6	38.8	33.7	29.6	25.7	23.1	22.6
45°	245.8	191.3	130.6	81.7	57.1	42.2	35.0	30.3	26.2	23.6	23.4
47.5°	322.1	237.3	133.2	87.7	64.0	48.6	38.0	31.4	26.7	24.2	23.9
50°	472.2	334.7	165.3	109.5	79.2	59.4	44.7	33.4	27.2	24.9	24.4
52.5°	589.2	401.5	179.2	133.9	105.1	78.4	56.3	38.8	28.8	25.4	24.9
55°	718.2	493.3	203.6	161.4	127.5	98.2	71.5	46.8	31.9	26.2	25.7
57.5°	895.9	588.9	239.1	190.5	154.8	114.7	81.5	54.8	36.0	28.0	27.0
60°	1003.8	629.5	244.7	206.2	170.9	127.8	85.9	58.1	40.4	30.6	29.0
62.5°	1107.2	657.6	246.3	212.3	174.8	130.3	86.4	56.6	41.9	34.2	32.1
65°	*1128.2*	*629.8*	*246.8*	*213.6*	*170.2*	*123.6*	*83.5*	*55.0*	*40.1*	*37.3*	*37.5*
67.5°	1057.0	559.4	228.8	204.4	157.8	110.3	75.1	52.7	39.6	36.8	37.5
70°	831.1	438.3	209.0	189.5	133.9	93.8	66.8	49.6	39.6	35.5	34.7
72.5°	645.2	374.5	214.1	179.9	114.7	83.8	60.4	46.3	38.3	35.2	34.7
75°	500.8	312.6	211.0	158.4	93.6	72.0	54.2	42.4	36.5	34.7	34.4
77.5°	366.1	246.5	174.5	121.3	77.6	61.2	47.8	39.8	35.5	33.9	33.7
80°	235.5	172.5	121.6	96.9	68.1	55.8	44.7	38.0	35.0	33.9	33.7
82.5°	198.5	156.6	109.5	91.8	65.8	56.8	46.8	39.8	36.8	35.7	35.5
85°	191.0	161.2	112.6	95.6	63.0	54.2	45.8	39.8	37.0	35.7	35.5
87.5°	181.5	145.8	111.1	87.9	60.7	52.2	45.0	40.9	38.0	37.3	37.0
90°	164.3	128.5	101.8	81.7	64.0	55.5	49.6	45.2	42.4	40.6	40.1
92.5°	138.6	103.3	87.4	80.7	70.2	63.0	57.1	53.2	50.1	48.3	47.6
95°	116.7	90.2	76.1	71.5	62.0	56.6	50.9	48.1	45.8	44.2	44.2
97.5°	95.1	77.4	70.7	67.1	59.4	53.5	48.8	46.0	45.2	44.7	44.5
100°	89.5	75.8	71.2	68.1	62.0	56.6	53.0	50.4	50.1	49.9	49.9
102.5°	83.0	71.7	66.6	63.5	57.3	52.7	50.1	48.1	47.3	46.5	45.8
105°	78.4	67.9	64.0	59.9	55.0	50.4	47.8	44.7	44.2	44.0	44.0
107.5°	76.1	67.4	65.3	58.9	54.2	52.2	49.1	45.2	44.5	43.4	43.4
110°	84.1	74.8	68.9	60.9	56.0	54.2	53.5	50.1	47.6	44.5	44.2

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

Scaled Data Report

REPORT NUMBER: P1046549
CATALOG NUMBER: FFX-CLB-30-722-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	104.1	91.5	84.6	72.7	62.7	58.4	55.0	51.4	49.9	47.8	47.0
115°	112.1	99.2	90.5	78.7	67.1	59.4	54.5	54.0	52.4	51.2	52.4
117.5°	114.9	90.2	74.5	71.7	63.0	56.8	54.5	53.7	54.2	54.2	51.9
120°	123.9	97.4	91.5	87.9	71.5	61.4	56.3	58.9	58.4	55.3	55.3
122.5°	184.8	165.0	145.5	121.3	100.8	88.9	71.5	59.9	57.6	55.5	54.2
125°	243.4	225.7	195.1	163.0	127.5	94.3	70.9	62.7	58.4	55.8	56.3
127.5°	248.1	229.3	194.3	155.0	113.9	88.2	71.5	64.3	59.4	56.6	56.0
130°	193.8	180.5	154.2	125.4	96.7	78.9	66.1	58.9	54.5	51.9	51.4
132.5°	171.5	160.2	132.9	107.7	88.2	73.3	62.2	54.2	51.2	49.4	49.1
135°	137.0	127.5	109.3	95.6	82.0	69.7	58.6	51.2	48.3	48.1	47.6
137.5°	120.0	112.3	98.2	86.9	75.6	63.8	54.5	48.3	47.0	47.3	46.5
140°	97.9	94.6	86.6	76.9	64.8	52.4	46.0	44.0	46.0	47.0	47.0
142.5°	84.1	79.7	70.7	59.4	51.7	46.0	45.2	44.5	45.5	46.0	46.0
145°	77.4	72.2	64.8	60.7	57.1	52.2	48.1	44.5	43.4	43.7	43.7
147.5°	87.4	81.5	76.6	68.9	60.2	51.9	45.8	41.6	41.6	42.7	42.9
150°	72.5	67.4	64.0	59.6	53.0	46.3	41.9	39.8	40.6	42.7	42.9
152.5°	60.7	54.5	52.4	49.9	46.3	42.7	40.6	39.6	40.9	42.4	42.4
155°	59.1	53.7	51.2	48.6	45.2	42.2	40.4	39.8	41.1	42.2	42.4
157.5°	55.5	52.4	49.1	47.0	44.5	42.2	40.9	40.4	41.4	42.2	42.4
160°	53.5	51.7	47.8	46.0	43.7	42.2	41.9	41.9	42.4	42.7	42.7
162.5°	51.2	50.1	47.8	46.3	44.7	44.0	44.5	44.7	44.7	44.5	44.5
165°	50.4	49.9	47.8	46.5	45.8	46.0	47.0	47.3	46.5	46.0	46.0
167.5°	50.1	50.1	48.6	47.6	47.3	47.8	48.8	48.8	48.1	47.0	46.8
170°	50.1	50.4	49.9	49.9	49.4	49.6	49.9	49.9	49.4	48.8	48.6
172.5°	50.9	50.9	50.9	50.9	50.6	50.9	51.2	51.2	51.2	50.9	50.9
175°	52.2	52.2	52.2	51.9	51.7	51.7	51.9	52.2	52.4	52.4	52.4
177.5°	53.5	53.2	53.0	53.2	53.0	53.0	53.5	53.7	54.0	54.0	54.0
180°	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7

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: SP1-2501-332-7

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

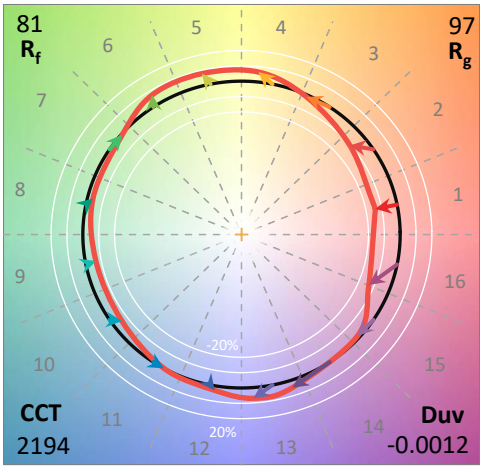
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-7
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-20-722-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):	2194	CRI (Ra):	76.9		
CIE u':	0.2907	R1:	75.7	R9:	-13.4
CIE v':	0.5343	R2:	91.6	R10:	84.3
Duv:	-0.0012	R3:	88.2	R11:	74.6
CIE x:	0.5035	R4:	73.5	R12:	85.6
CIE y:	0.4113	R5:	77.0	R13:	79.4
CIE z:	0.0852	R6:	93.6	R14:	93.9
Peak Wavelength (nm):	608	R7:	73.2	R15:	65.4
Dominant Wavelength (nm):	587	R8:	42.7		
Purity:	74.59755				

Rf:	81
Rg:	96.6



Test Conditions

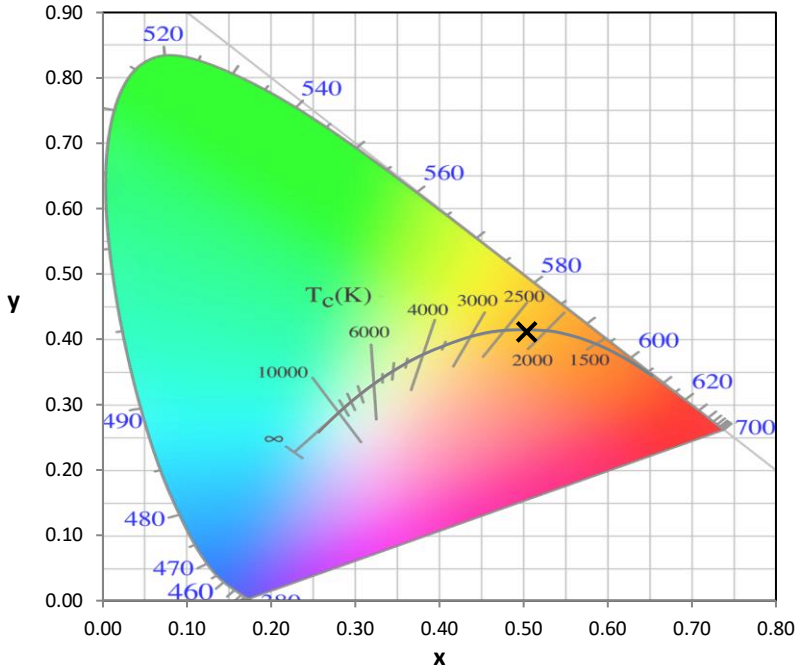
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

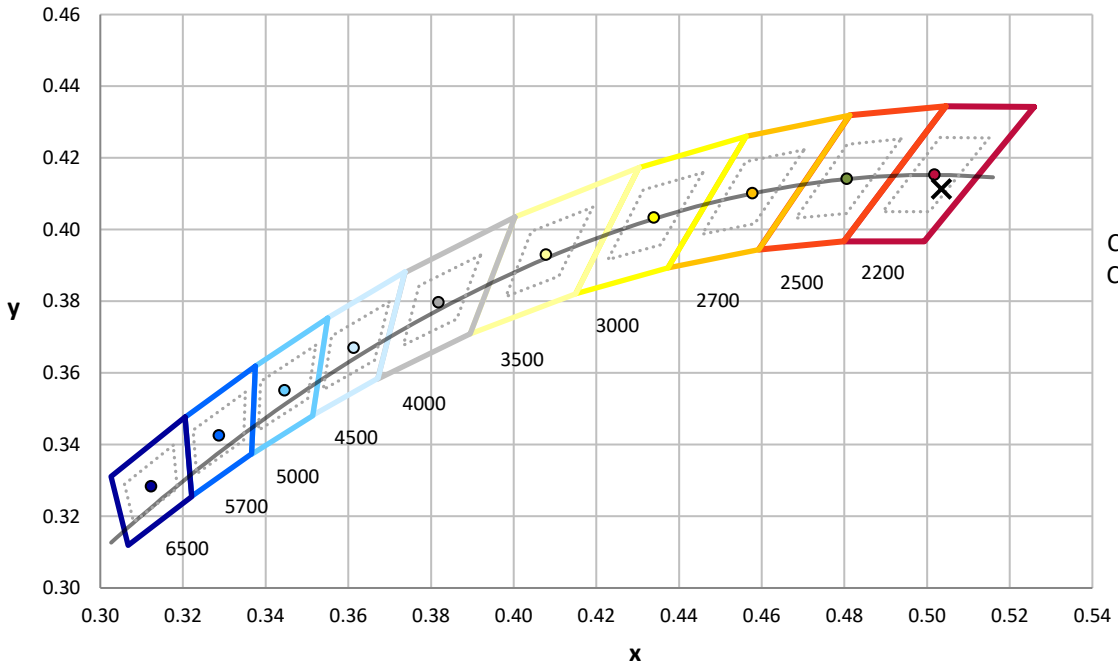
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-7

CIE 1931 Chromaticity Diagram



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

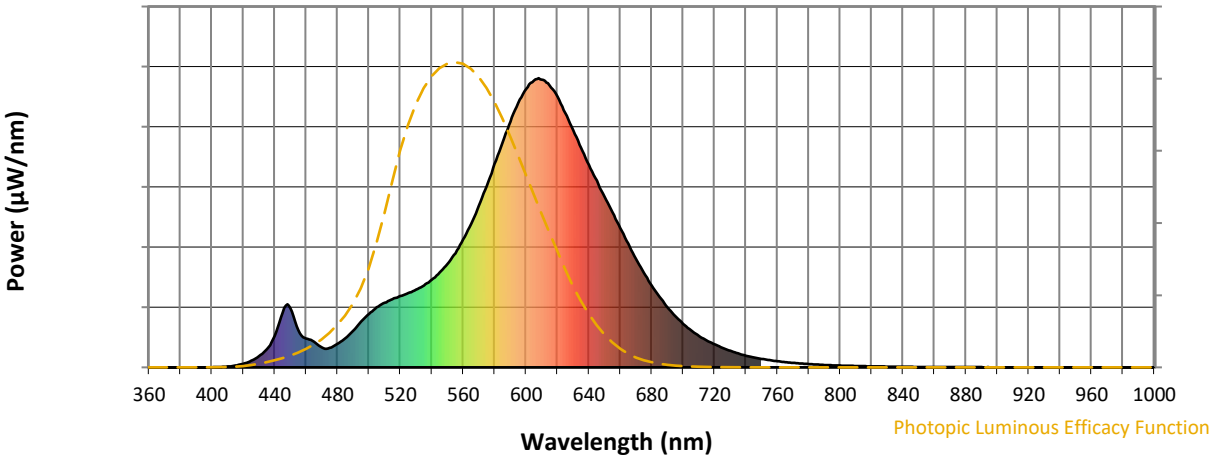


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

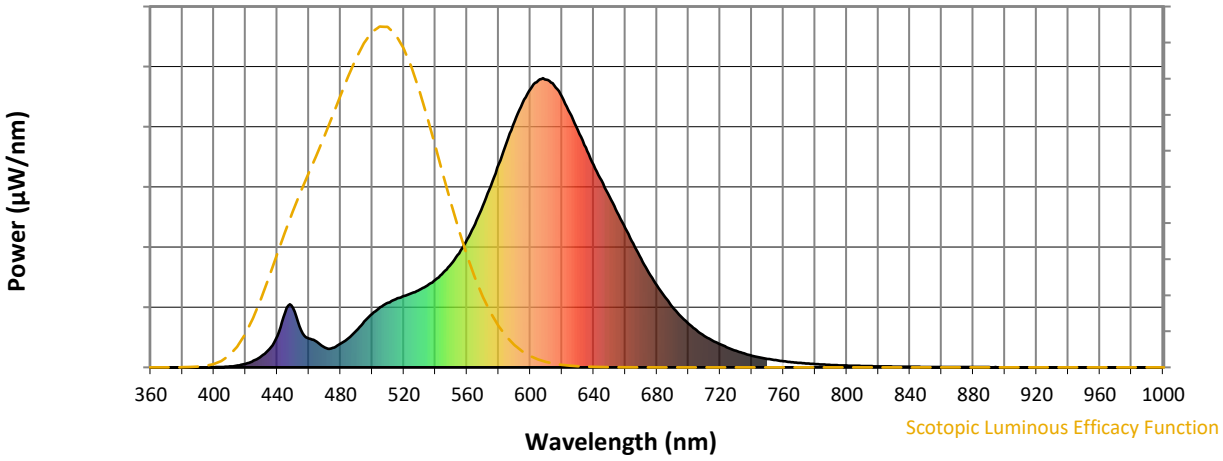


Photopic Lumens: NR

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Scotopic Flux vs. Wavelength

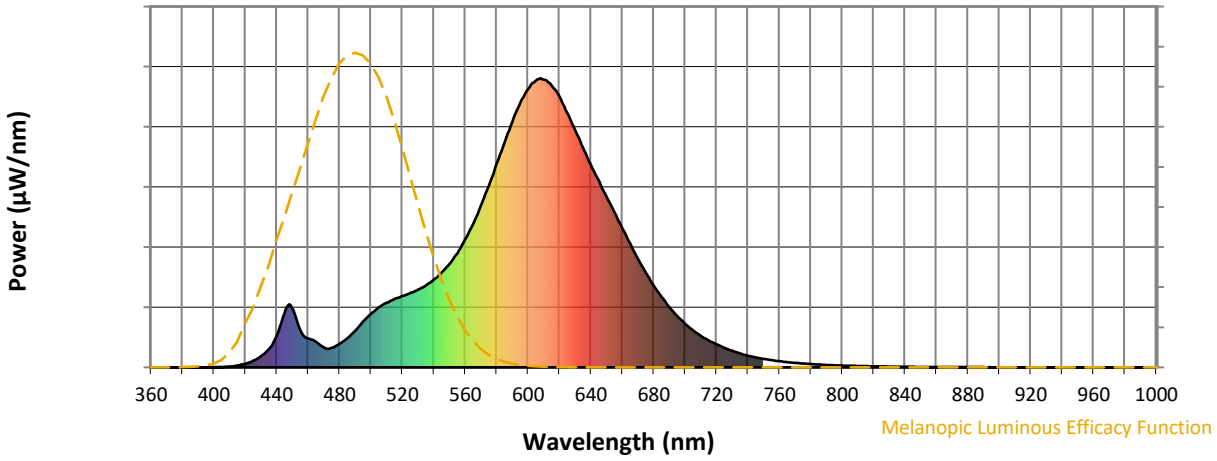


Scotopic Lumens: NR **S/P: 0.96**

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.7**

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

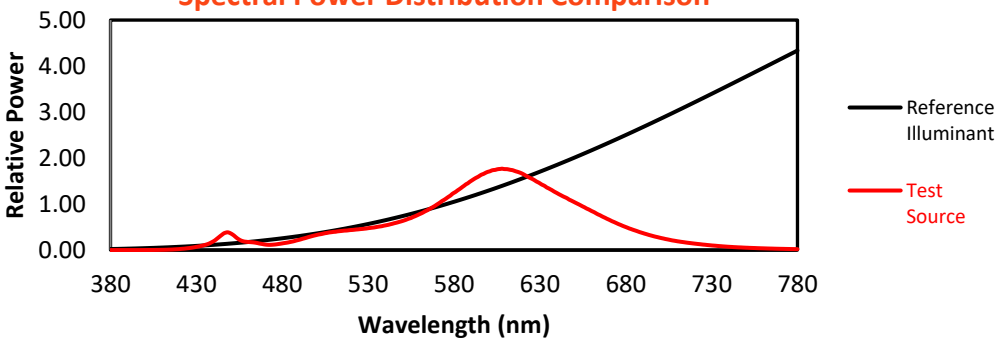
REPORT NUMBER: SP1-2501-332-7

TM-30-18

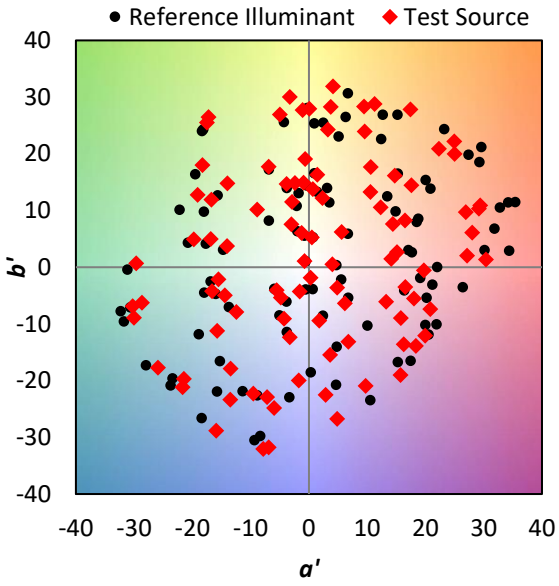
Summary

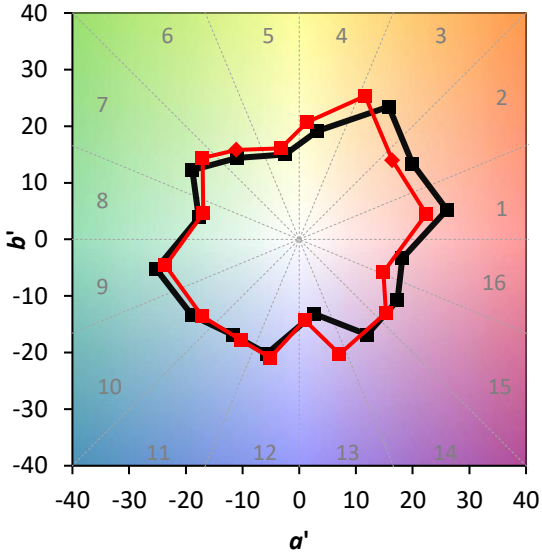
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

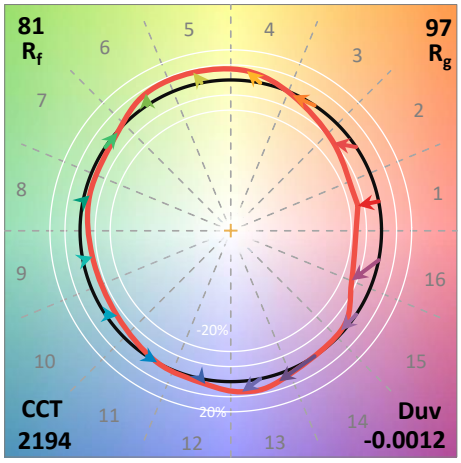
Spectral Power Distribution Comparison

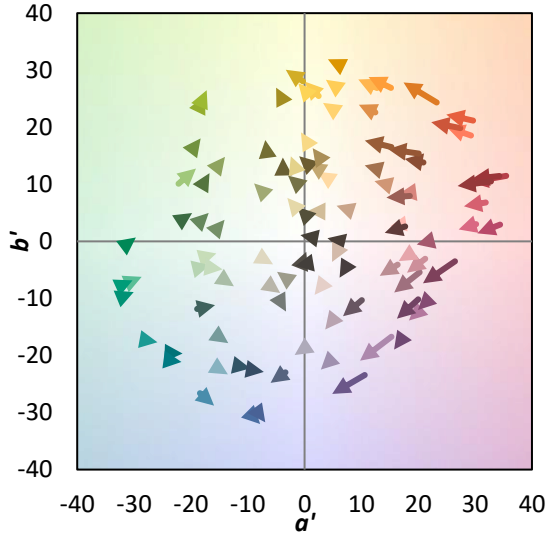


Color Vector Graphics







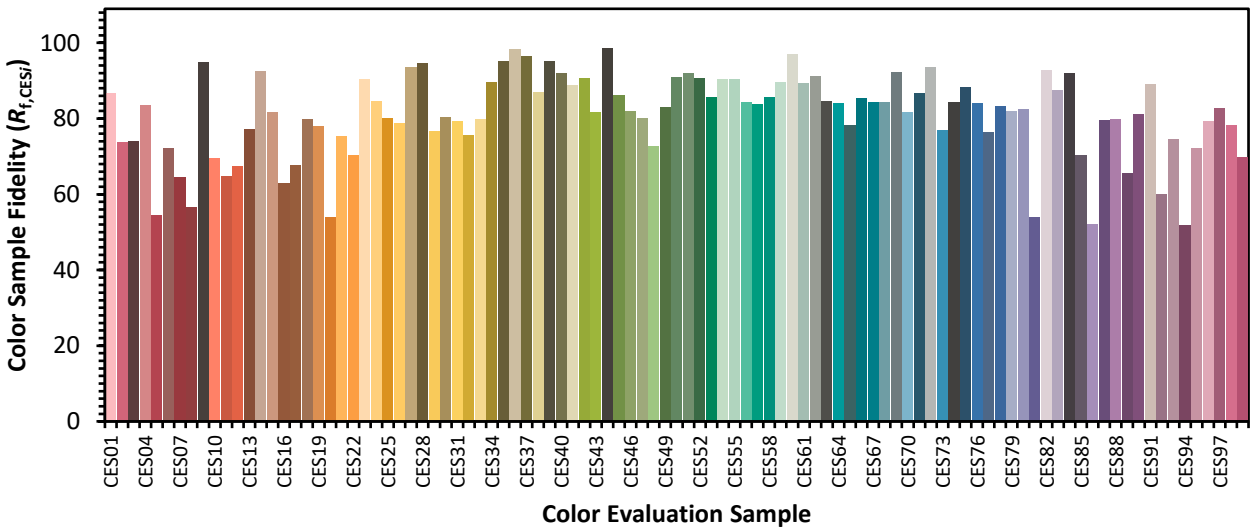


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

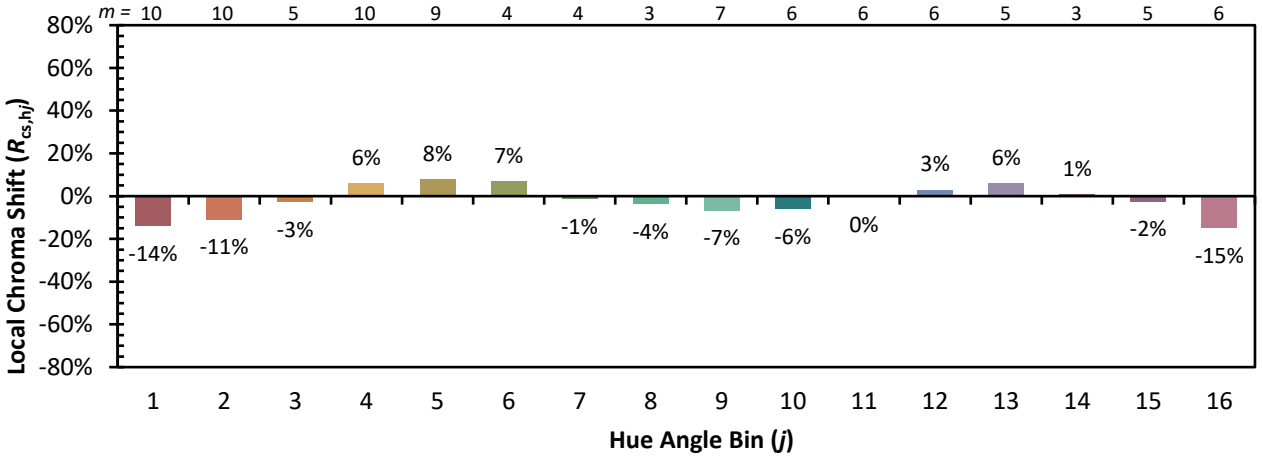
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 84	CES82 = 93
CES08 = 43	CES33 = 80	CES58 = 86	CES83 = 88
CES09 = 29	CES34 = 90	CES59 = 90	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 97	CES85 = 70
CES11 = 62	CES36 = 98	CES61 = 89	CES86 = 52
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 80
CES13 = 45	CES38 = 87	CES63 = 85	CES88 = 80
CES14 = 75	CES39 = 95	CES64 = 84	CES89 = 66
CES15 = 73	CES40 = 92	CES65 = 78	CES90 = 81
CES16 = 49	CES41 = 89	CES66 = 85	CES91 = 89
CES17 = 51	CES42 = 91	CES67 = 84	CES92 = 60
CES18 = 57	CES43 = 82	CES68 = 84	CES93 = 74
CES19 = 74	CES44 = 99	CES69 = 92	CES94 = 52
CES20 = 69	CES45 = 86	CES70 = 82	CES95 = 72
CES21 = 88	CES46 = 82	CES71 = 87	CES96 = 79
CES22 = 81	CES47 = 80	CES72 = 94	CES97 = 83
CES23 = 92	CES48 = 73	CES73 = 77	CES98 = 78
CES24 = 92	CES49 = 83	CES74 = 84	CES99 = 70
CES25 = 73	CES50 = 91	CES75 = 88	

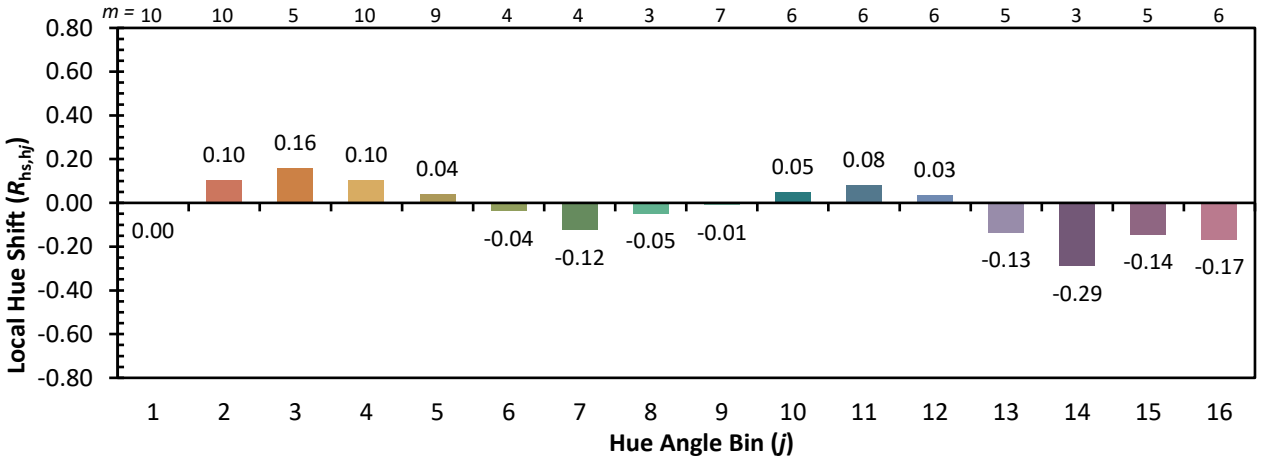


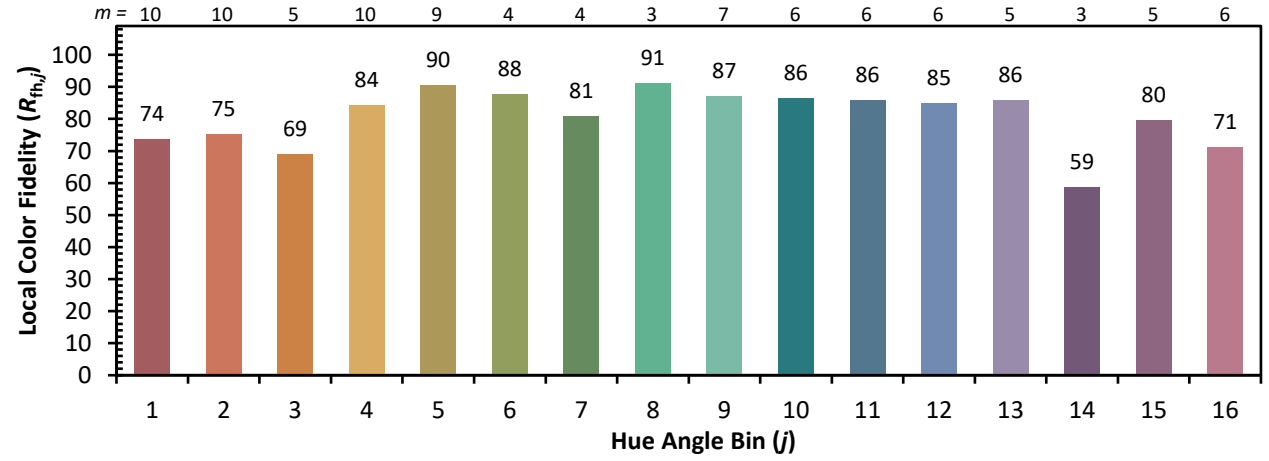
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Color Rendition by Hue-Angle Bin



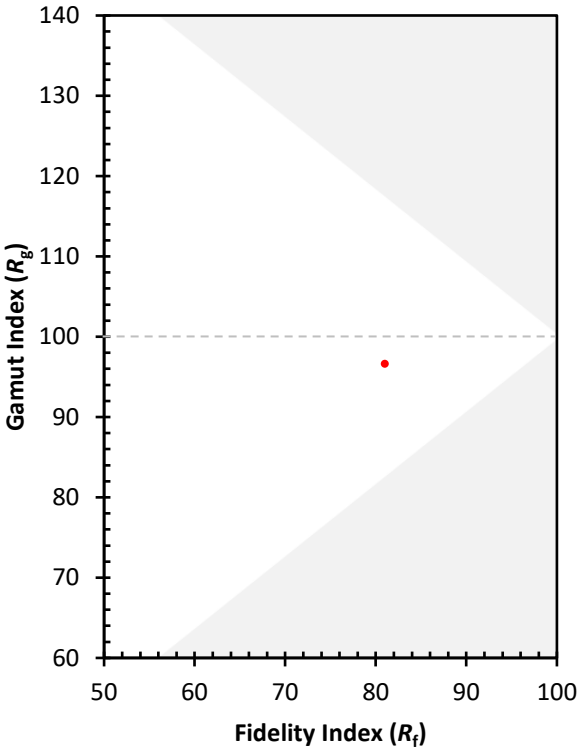


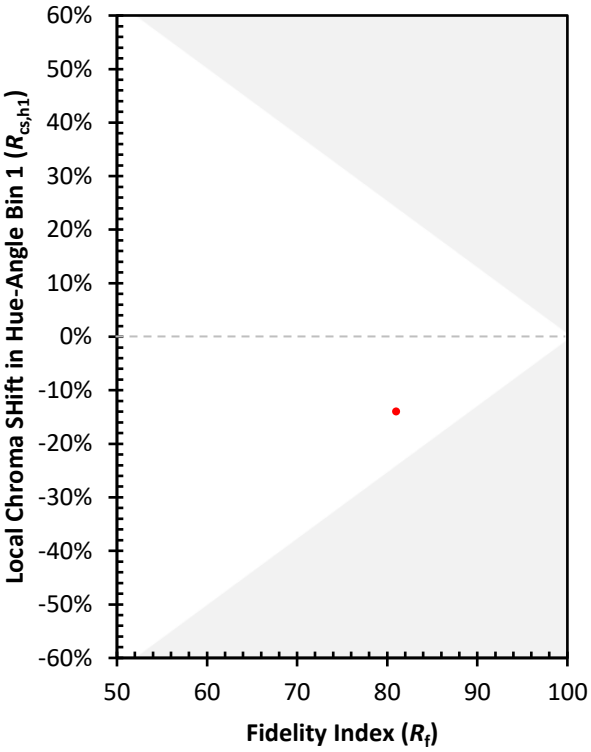


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Measure Comparisons





(END OF REPORT)