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: P1046232

Luminaire Tested: **FFX-CLB-50-722-U-FR-T4-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:	P1046232
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-722-U-FR-T4-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION, 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:	5972.1 lumens
Efficiency:	N/A
Efficacy:	118.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U4 - G3

Input Watts (W):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

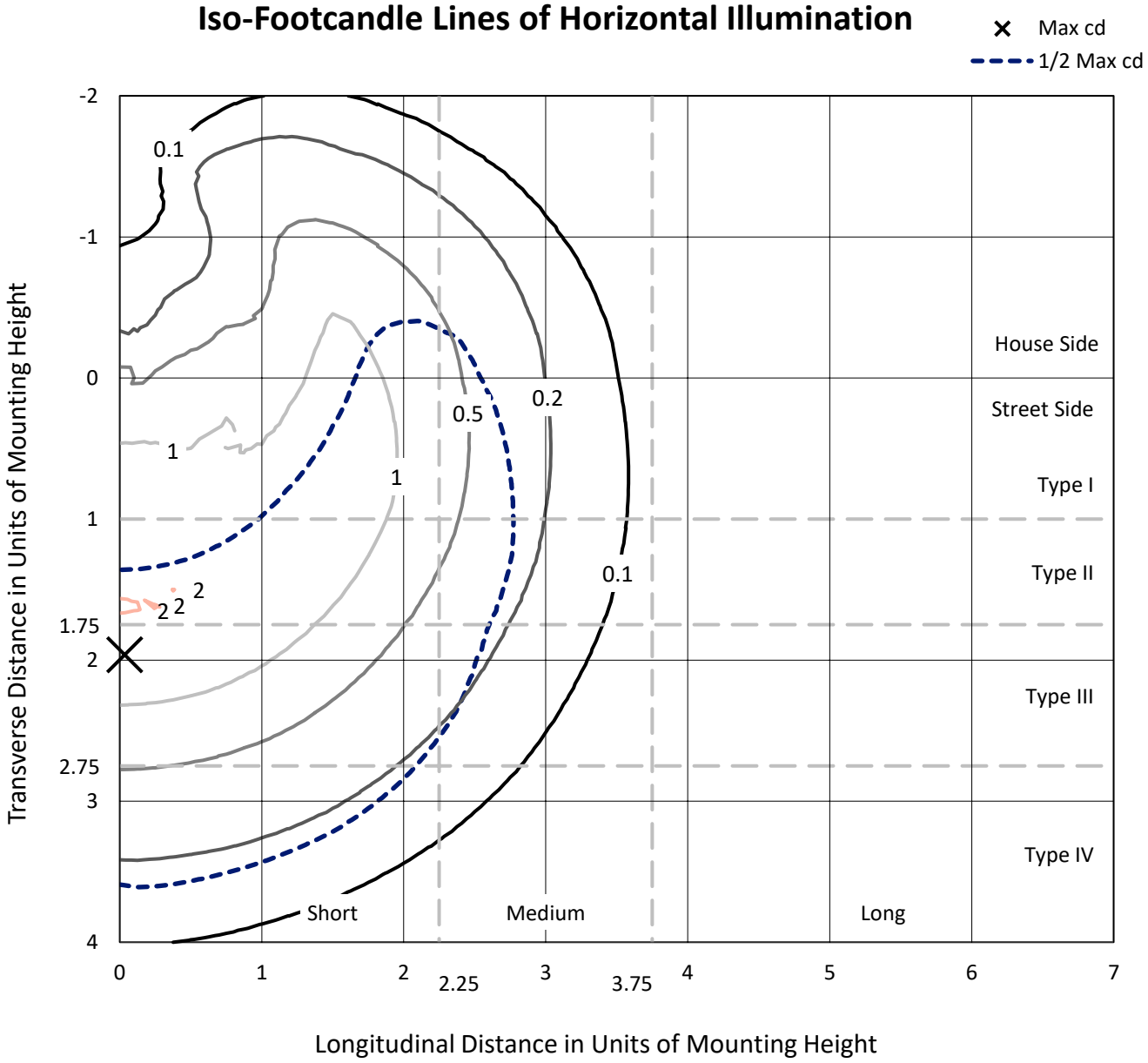


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Iso-Footcandle Lines of Horizontal Illumination



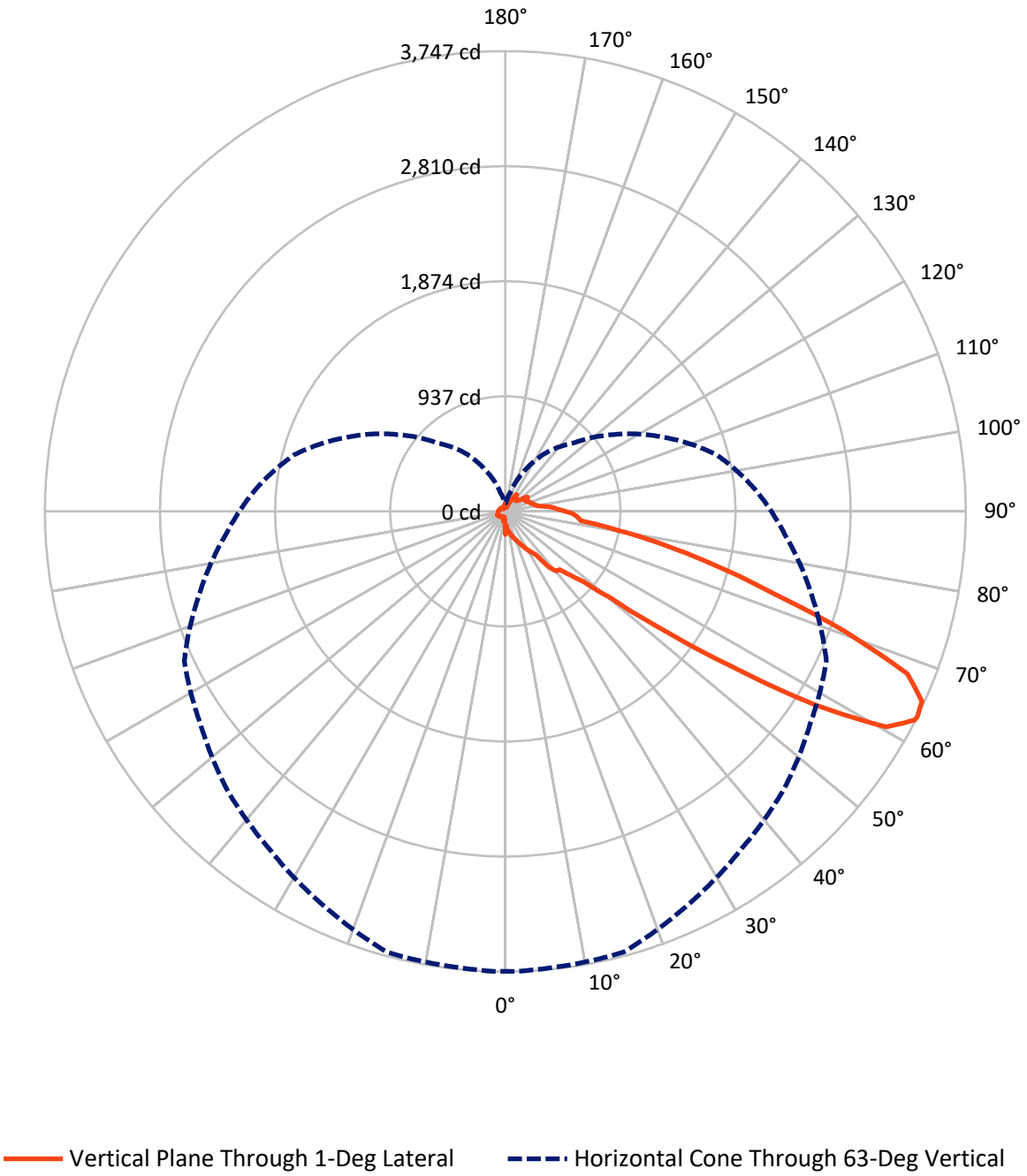
Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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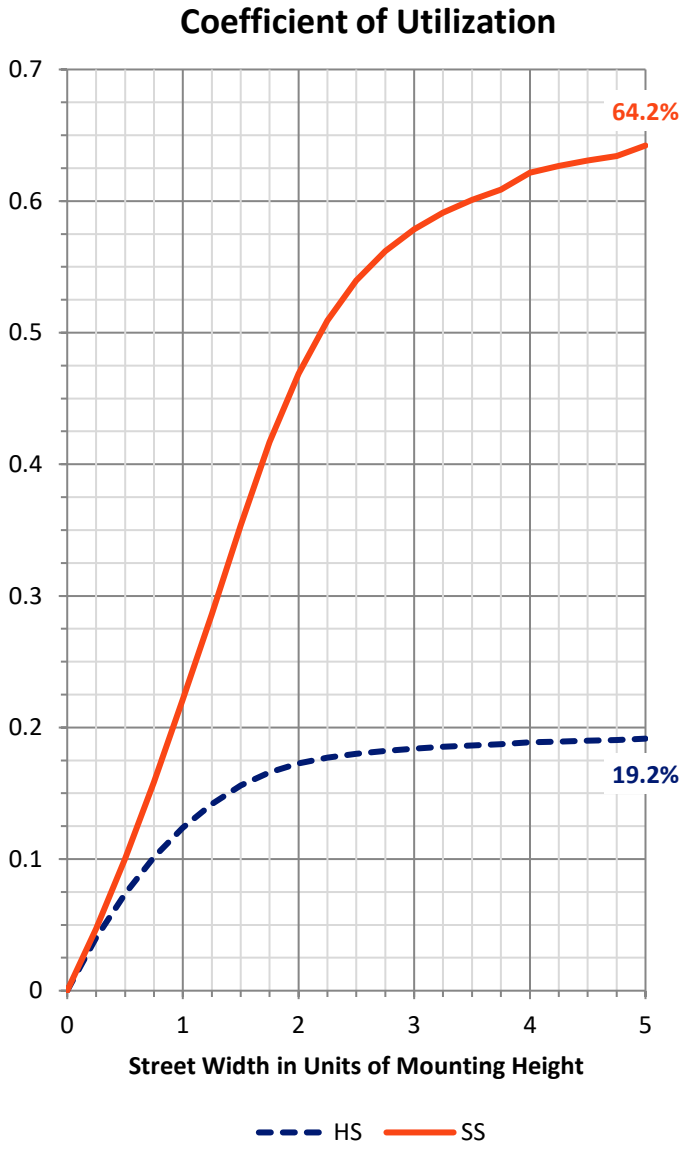
REPORT NUMBER: P1046232
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1182.5	236.9	1419.3
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	4006.0	546.8	4552.8
	% Fixture	67.1	9.2	76.2
Total	Lumens	5188.4	783.7	5972.1
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.2
10°-20°	39.3	0.7
20°-30°	86.6	1.5
30°-40°	177.4	3.0
40°-50°	358.1	6.0
50°-60°	1156.0	19.4
60°-70°	1904.5	31.9
70°-80°	1049.8	17.6
80°-90°	405.6	6.8
90°-100°	243.2	4.1
100°-110°	154.9	2.6
110°-120°	118.5	2.0
120°-130°	101.1	1.7
130°-140°	67.8	1.1
140°-150°	57.7	1.0
150°-160°	26.3	0.4
160°-170°	10.7	0.2
170°-180°	3.6	0.1
0°-90°	5188.4	86.9
0°-180°	5972.1	100.0



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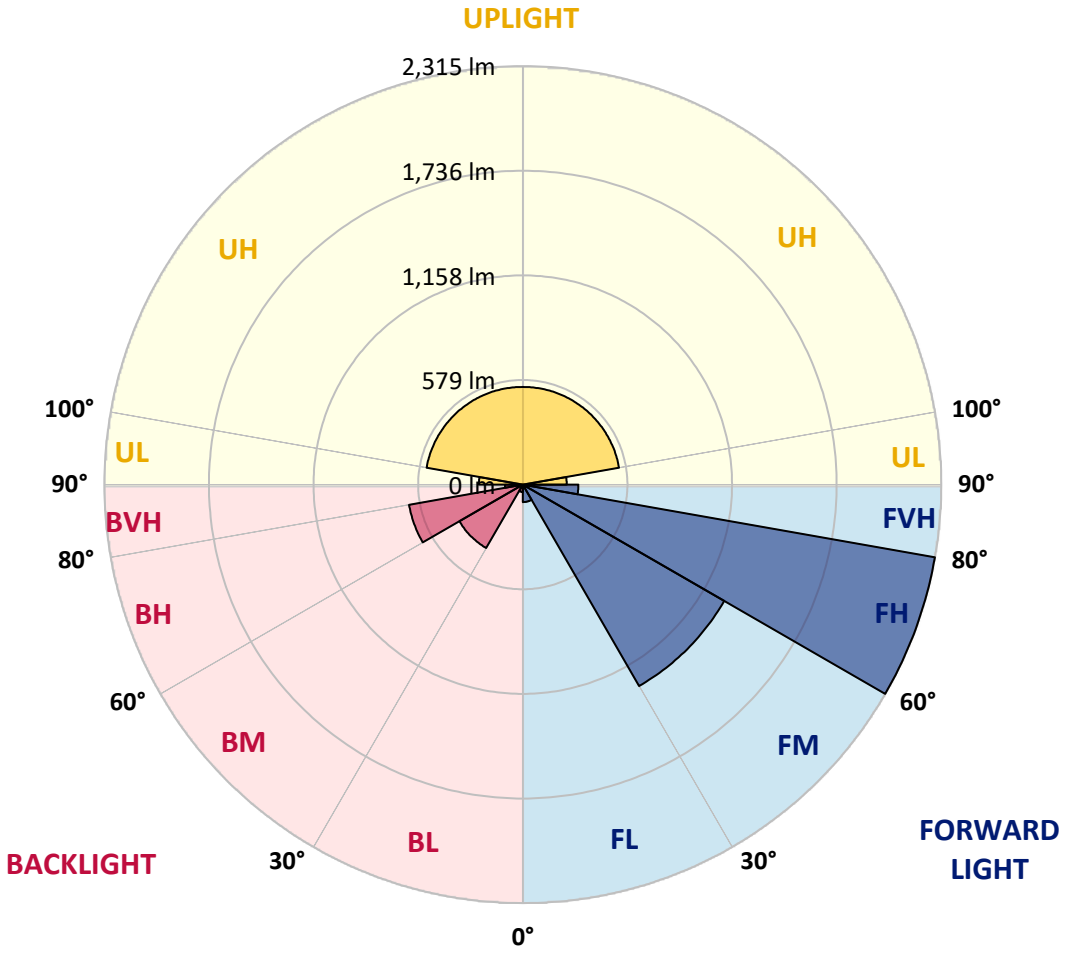
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	96.7	1.6			
FM	(30°-60°)	1286.6	21.5			
FH	(60°-80°)	2315.3	38.8			G2/5000
FVH	(80°-90°)	307.3	5.1			G3/500
BL	(0°-30°)	40.3	0.7	B0/110		
BM	(30°-60°)	404.8	6.8	B1/1000		
BH	(60°-80°)	639.1	10.7	B2/1000		G2/1000
BVH	(80°-90°)	98.3	1.6			G1/100
UL	(90°-100°)	243.2	4.1		U3/500	
UH	(100°-180°)	540.5	9.1		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0
2.5°	116.8	115.6	121.1	138.1	156.8	162.7	150.4	145.7	159.3	190.7	194.1
5°	134.7	136.8	135.5	137.6	139.3	152.5	164.4	152.1	123.2	100.7	102.4
7.5°	158.9	158.5	158.5	156.8	148.3	134.7	130.8	140.6	141.0	118.1	100.3
10°	169.5	169.1	169.1	167.4	165.7	167.0	162.7	144.9	130.4	121.1	115.1
12.5°	192.0	191.2	190.7	189.9	186.9	183.5	180.6	181.4	169.1	145.7	130.4
15°	210.7	209.9	210.7	211.6	209.4	203.5	195.0	183.1	172.1	162.3	148.7
17.5°	231.1	230.7	230.3	229.4	226.4	218.4	208.2	197.1	184.8	171.2	158.5
20°	250.7	249.8	250.2	250.7	249.4	239.6	229.4	215.8	202.6	189.5	174.6
22.5°	274.0	274.0	272.7	272.7	271.5	265.5	252.8	237.1	223.5	206.9	190.3
25°	304.2	302.9	302.9	301.6	296.5	290.2	281.2	263.4	247.3	231.5	209.4
27.5°	333.9	332.6	332.6	332.2	325.8	317.3	302.5	285.5	270.2	250.2	223.5
30°	367.9	367.1	367.5	362.8	357.7	345.8	327.1	307.6	287.6	264.2	238.3
32.5°	402.3	399.8	399.3	394.2	387.4	373.0	352.2	333.5	312.7	285.5	263.8
35°	442.7	437.2	443.1	441.8	441.0	425.7	401.9	380.2	355.6	330.9	307.6
37.5°	576.1	578.6	577.3	560.4	546.8	525.9	515.3	489.8	455.8	425.7	381.5
40°	638.9	638.1	636.0	617.3	605.0	583.3	566.3	547.2	527.2	480.1	425.3
42.5°	652.5	647.9	651.3	668.7	684.8	670.4	616.4	554.8	526.8	493.7	465.2
45°	752.0	740.1	745.2	749.8	734.1	713.3	689.9	650.0	602.8	555.3	503.0
47.5°	858.2	851.8	851.4	849.7	851.4	831.4	800.4	763.4	696.7	645.3	587.1
50°	1116.9	1108.4	1110.9	1113.1	1104.1	1083.7	1050.2	1026.0	946.1	847.5	771.9
52.5°	1591.4	1586.3	1574.4	1575.3	1495.0	1490.7	1445.3	1423.6	1305.9	1193.4	1040.8
55°	2177.3	2210.4	2173.9	2166.6	2133.5	2103.8	1989.9	1895.6	1726.9	1565.1	1386.2
57.5°	2970.8	2976.4	2930.1	2931.3	2813.7	2738.9	2634.0	2489.5	2238.4	2004.8	1804.3
60°	3549.0	3563.1	3541.4	3496.4	3268.7	3134.8	3019.3	2905.4	2713.8	2366.7	2087.6
62.5°	3737.2	3741.5	3727.9	3704.1	3503.2	3332.4	3183.7	3018.4	2871.4	2558.8	2278.4
63°	3744.0	3747.0	3736.4	3716.0	3529.5	3352.3	3203.7	3026.9	2882.9	2575.8	2289.8
65°	3725.8	3727.0	3722.4	3695.2	3546.1	3358.7	3195.2	3021.0	2888.9	2582.5	2289.8
67.5°	3561.4	3529.1	3542.7	3496.8	3372.7	3186.2	3029.9	2852.3	2733.4	2437.3	2156.9
70°	2930.1	2932.2	2930.1	2905.0	2869.7	2722.3	2539.6	2379.9	2229.5	1997.1	1777.1
72.5°	2266.9	2275.8	2256.3	2270.7	2242.3	2120.3	2002.2	1840.4	1734.6	1537.5	1343.3
75°	1755.8	1774.1	1780.0	1738.8	1714.2	1688.3	1623.7	1507.3	1401.5	1249.0	1079.5
77.5°	1326.7	1330.1	1335.2	1307.2	1274.9	1285.1	1275.8	1220.5	1131.8	1019.6	884.9
80°	916.8	926.6	943.1	927.0	930.8	924.9	923.6	879.4	815.3	744.7	672.5
82.5°	616.0	615.6	619.8	645.7	669.5	668.7	630.9	568.8	536.1	515.7	475.0
85°	589.7	589.7	595.6	576.9	565.0	553.1	550.6	529.3	504.3	458.4	401.9
87.5°	549.7	548.5	550.2	534.0	518.3	514.5	510.6	492.4	481.3	441.4	389.6
90°	470.3	473.7	473.7	472.4	462.6	458.8	443.5	428.2	421.4	385.3	344.5
92.5°	415.1	415.1	419.7	411.7	401.0	407.0	380.6	360.7	351.3	327.1	294.8
95°	375.1	373.9	379.8	368.3	360.7	349.6	338.6	317.8	311.0	290.2	257.4
97.5°	299.5	298.2	301.6	296.1	284.2	279.1	267.2	250.7	244.3	224.7	204.8
100°	257.9	257.4	258.7	255.7	249.0	242.6	232.4	219.2	213.3	197.1	179.3
102.5°	244.7	243.4	243.9	244.3	234.5	228.6	218.8	208.6	202.6	189.5	169.9
105°	232.8	232.0	231.1	231.1	220.1	214.1	207.7	200.9	195.8	181.4	162.7
107.5°	221.8	220.5	217.5	217.1	209.9	203.5	195.8	189.9	184.8	171.6	153.8

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	209.4	*209.0*	207.3	207.7	203.1	193.3	186.9	179.7	173.3	161.9	146.1
112.5°	203.1	*203.1*	201.8	203.9	186.1	176.3	169.5	163.1	158.9	147.8	135.9
115°	196.3	*192.9*	191.6	195.8	175.5	161.9	155.1	148.3	144.0	133.0	123.2
117.5°	181.8	*181.0*	181.4	184.8	178.9	164.0	152.9	144.4	140.2	132.1	123.2
120°	207.3	*206.5*	201.4	200.5	190.3	178.4	171.2	166.5	160.2	147.0	130.0
122.5°	216.7	*215.0*	206.9	209.4	195.8	189.9	186.9	185.2	179.3	161.9	135.9
125°	188.6	*186.1*	184.0	184.8	177.2	169.5	166.5	164.0	158.0	148.3	129.6
127.5°	151.2	*152.5*	150.8	146.1	144.9	133.4	129.6	126.6	121.1	113.0	110.0
130°	141.9	*141.0*	140.6	139.8	138.9	130.4	124.5	117.3	112.6	105.8	97.7
132.5°	126.2	*127.0*	128.3	135.5	142.3	135.1	119.8	108.8	105.8	107.1	103.7
135°	119.8	*120.2*	120.2	125.8	131.7	124.5	113.0	102.4	101.1	105.8	101.5
137.5°	122.8	*124.9*	124.5	123.2	119.8	114.7	112.2	106.2	102.8	99.8	92.6
140°	129.6	*132.1*	130.8	123.6	121.1	118.5	120.2	118.1	109.6	99.4	88.8
142.5°	128.7	*130.8*	130.0	129.1	133.8	127.9	119.8	111.7	104.9	99.4	92.6
145°	167.0	*166.1*	162.7	162.7	157.2	148.3	142.7	134.2	126.2	119.0	107.9
147.5°	154.2	*156.3*	157.2	153.4	150.8	144.9	144.0	139.3	136.8	130.4	119.0
150°	122.4	*124.1*	121.5	118.5	117.3	117.7	115.6	112.2	109.6	104.9	99.8
152.5°	84.5	*85.4*	84.5	82.0	81.1	79.9	80.3	77.7	76.0	73.1	68.4
155°	76.9	*77.3*	77.7	73.5	72.6	73.1	73.5	71.8	68.4	65.8	60.3
157.5°	60.3	*59.5*	59.5	58.6	59.1	57.8	57.8	57.4	56.1	54.4	52.7
160°	48.0	*48.4*	48.4	48.4	49.3	48.4	48.4	47.2	47.2	46.3	45.5
162.5°	40.8	*40.8*	40.8	40.8	40.4	40.4	41.2	40.8	40.8	41.2	42.1
165°	34.4	*34.8*	34.8	34.8	34.8	34.8	35.7	35.7	36.5	38.2	40.4
167.5°	32.3	*31.9*	31.9	32.3	32.3	33.1	33.1	34.8	37.8	40.8	40.8
170°	30.6	*30.6*	30.6	31.0	31.0	31.4	32.7	35.7	39.1	40.4	38.7
172.5°	31.9	*31.4*	31.4	31.9	31.9	33.1	34.8	37.4	38.7	38.7	37.0
175°	32.7	*32.3*	32.3	32.7	32.7	33.6	35.3	37.0	37.8	38.2	38.2
177.5°	31.9	*31.9*	31.9	31.9	31.9	32.3	32.3	33.6	34.4	35.3	36.1
180°	30.6	*30.6*	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0
2.5°	194.1	177.2	152.1	121.5	141.5	166.1	162.7	143.6	114.7	86.2	86.2
5°	107.5	113.9	120.2	105.4	94.3	93.5	90.9	81.6	80.3	66.3	62.5
7.5°	93.9	87.9	86.7	102.4	101.1	66.7	52.7	46.7	49.3	66.7	68.8
10°	112.6	110.0	102.0	85.0	70.9	64.6	64.1	65.0	59.5	48.0	45.0
12.5°	127.0	122.8	115.6	110.5	94.3	75.2	64.6	59.9	63.3	80.3	84.1
15°	141.0	135.1	122.8	108.8	92.6	78.6	67.5	57.8	57.8	55.2	54.0
17.5°	152.1	144.4	129.6	114.3	96.0	78.6	64.1	54.4	49.7	48.9	48.9
20°	166.1	158.9	142.7	124.1	101.1	79.4	63.7	54.4	48.9	46.7	46.3
22.5°	183.5	174.2	153.4	131.3	104.1	80.3	64.6	54.8	49.3	46.3	45.5
25°	199.7	189.0	164.4	141.5	110.9	82.4	65.4	56.1	50.1	46.7	46.3
27.5°	212.8	201.4	178.4	152.1	118.1	87.5	69.7	58.6	51.4	48.0	47.2
30°	227.7	217.1	192.9	163.1	124.9	93.9	75.6	63.3	55.2	50.6	50.1
32.5°	249.8	236.6	208.6	174.6	133.0	100.7	81.6	67.5	57.8	55.2	55.2
35°	289.7	276.1	239.2	193.3	140.6	107.5	87.5	72.2	61.6	55.7	55.2
37.5°	364.5	345.8	299.5	235.8	153.8	113.0	92.6	76.0	63.7	55.2	54.0
40°	398.9	367.1	317.8	258.3	172.9	119.4	96.9	79.0	64.1	56.5	55.7
42.5°	439.7	412.9	343.3	263.8	186.9	135.1	104.1	82.4	66.7	58.2	57.4
45°	478.8	452.9	394.2	311.8	218.4	158.5	116.8	89.2	70.9	60.8	59.1
47.5°	549.7	522.5	441.0	361.1	261.7	195.0	142.3	99.8	76.9	63.3	61.2
50°	734.1	695.4	599.4	478.4	334.8	247.7	182.3	121.9	85.0	64.6	62.0
52.5°	972.0	913.0	808.9	654.2	478.8	350.5	255.3	177.2	99.0	65.0	61.2
55°	1357.8	1285.1	1117.7	891.7	670.4	523.0	386.6	272.3	145.7	68.0	60.8
57.5°	1723.5	1669.6	1523.4	1220.1	889.2	664.4	508.5	383.2	198.4	74.8	63.7
60°	1992.5	1889.6	1718.9	1407.9	1074.0	771.1	565.9	398.5	203.9	76.0	65.8
62.5°	2153.0	2026.0	1772.8	1435.1	1100.3	793.2	588.8	366.6	164.8	74.3	68.8
63°	*2164.9*	*2041.7*	*1779.6*	*1425.7*	*1091.8*	*787.2*	*585.4*	*359.0*	*160.2*	*73.9*	*69.7*
65°	2150.1	2043.0	1755.8	1376.9	1019.6	734.5	545.1	322.4	130.0	72.6	70.5
67.5°	2002.2	1915.1	1631.4	1244.8	907.9	634.3	451.2	246.0	101.5	69.2	68.4
70°	1676.0	1576.1	1318.7	1028.9	719.7	512.3	359.8	190.7	83.7	65.8	65.0
72.5°	1247.3	1205.7	1001.8	783.0	553.6	395.1	270.2	144.9	74.3	63.3	62.5
75°	1008.5	946.1	794.4	618.6	421.0	293.6	200.5	108.8	68.0	61.2	60.3
77.5°	833.9	792.3	661.0	466.9	300.4	211.6	147.4	86.2	65.0	59.9	59.5
80°	645.7	619.8	515.7	345.4	215.0	157.6	116.8	79.0	63.7	59.5	59.1
82.5°	455.4	447.3	375.6	258.3	182.7	141.0	108.8	77.7	64.1	60.3	59.5
85°	377.3	359.8	316.1	245.6	173.3	135.1	104.9	76.5	64.1	59.9	59.5
87.5°	367.5	353.0	305.9	229.8	158.9	124.9	98.6	73.5	62.0	58.2	57.8
90°	332.2	317.8	274.0	205.2	149.5	117.3	92.2	69.7	59.5	56.5	55.7
92.5°	283.4	270.2	237.9	186.5	143.2	112.6	89.6	68.4	59.1	55.7	55.2
95°	246.0	234.9	208.6	171.6	132.1	104.9	85.0	65.8	57.4	54.4	54.0
97.5°	195.8	189.0	168.7	139.8	111.7	91.8	76.0	62.0	55.2	52.7	52.3
100°	172.5	166.5	150.4	126.6	103.7	86.7	73.5	60.8	53.5	51.4	51.0
102.5°	161.9	157.2	142.7	119.0	97.3	82.4	70.1	58.6	52.3	50.1	49.7
105°	153.8	149.5	136.4	113.4	91.8	76.9	65.8	56.1	50.1	48.4	48.0
107.5°	144.0	140.6	127.9	105.4	86.2	72.2	62.5	54.0	48.9	47.2	47.2

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

Scaled Data Report

REPORT NUMBER: P1046232
CATALOG NUMBER: FFX-CLB-50-722-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	135.9	133.4	120.2	100.7	82.4	69.2	60.3	53.1	48.4	46.7	46.7
112.5°	127.4	124.5	112.2	94.7	79.0	67.1	58.6	51.8	47.6	45.9	45.9
115°	118.1	115.1	103.2	87.9	74.8	63.7	56.1	49.7	45.9	44.6	44.6
117.5°	119.8	112.2	97.7	84.1	71.4	61.2	54.4	48.9	44.6	43.8	43.3
120°	121.5	111.7	101.1	88.4	73.5	59.9	53.1	47.6	44.2	42.9	42.9
122.5°	118.5	119.8	110.5	90.9	70.1	58.6	52.7	48.0	44.6	43.3	43.8
125°	116.0	119.0	107.9	85.8	67.5	58.2	52.7	49.3	46.3	45.0	45.0
127.5°	106.6	107.1	91.8	76.9	65.8	56.9	52.3	49.7	47.2	45.5	44.6
130°	93.9	93.0	85.8	74.8	62.0	54.8	50.6	49.3	46.7	43.8	43.3
132.5°	100.7	98.1	86.2	70.9	58.6	52.7	50.1	48.4	44.2	40.8	40.4
135°	95.6	93.0	80.7	66.3	56.9	53.5	52.3	48.0	41.6	39.1	38.7
137.5°	87.1	82.8	72.6	63.3	57.8	55.7	52.7	47.2	40.8	37.8	37.4
140°	83.7	79.4	71.4	65.0	58.6	51.8	46.7	41.6	37.4	34.8	34.4
142.5°	87.9	84.5	76.5	65.0	54.8	47.6	42.9	39.5	35.7	31.9	31.4
145°	102.4	96.0	85.0	73.1	62.5	54.0	46.7	39.5	32.7	28.5	28.0
147.5°	113.4	108.3	96.4	82.8	68.0	54.4	43.8	34.8	29.3	26.8	26.3
150°	94.3	91.3	82.4	71.4	60.3	48.0	37.8	31.0	27.6	26.8	26.8
152.5°	65.8	63.7	60.8	53.5	45.0	37.8	32.3	28.9	27.6	27.2	27.2
155°	58.2	56.9	53.1	46.7	40.8	35.3	31.0	28.5	28.0	27.6	27.6
157.5°	50.1	49.7	47.2	42.1	37.4	33.1	30.2	28.9	28.0	27.6	27.6
160°	45.0	43.8	41.2	37.8	34.8	32.3	30.6	29.7	28.9	28.5	28.5
162.5°	42.1	41.2	38.2	35.7	34.0	33.6	34.0	33.6	31.4	30.2	29.7
165°	39.9	39.5	36.5	34.8	34.0	36.1	38.7	37.8	34.0	31.9	31.9
167.5°	39.9	39.1	36.1	34.8	37.0	39.9	42.1	41.6	38.2	36.1	34.8
170°	37.8	37.0	36.1	36.5	39.5	40.8	41.2	42.1	42.5	44.6	45.5
172.5°	36.5	36.5	37.4	39.1	41.6	42.1	40.8	41.2	45.0	49.7	50.1
175°	38.2	38.2	39.9	42.9	44.2	45.0	43.3	43.8	48.0	52.7	53.1
177.5°	36.5	37.0	37.8	38.2	37.8	36.5	36.1	37.8	36.5	36.1	37.4
180°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6

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

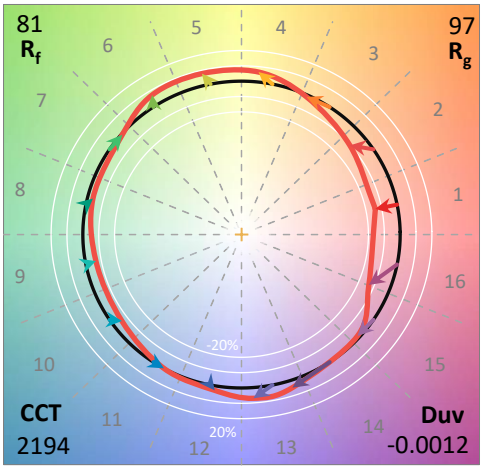
Test Information

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

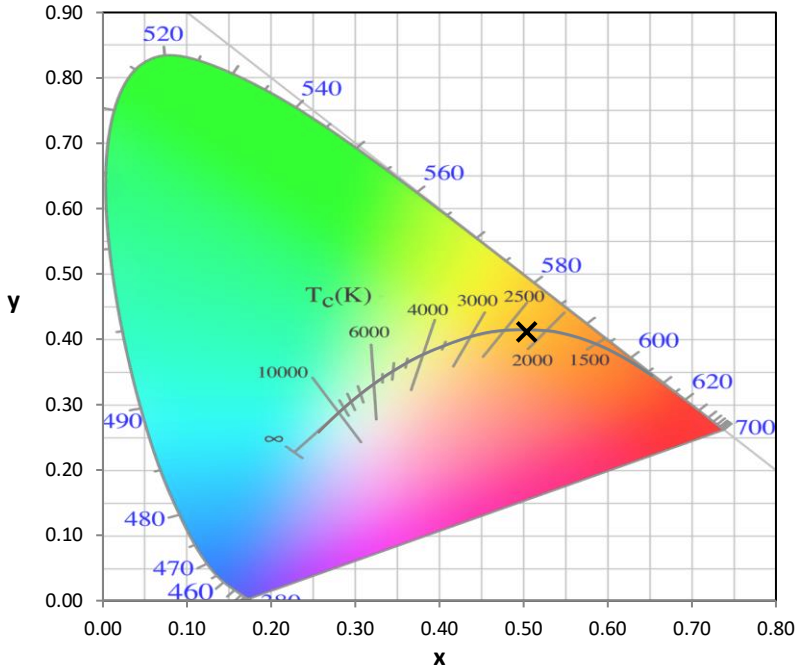
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

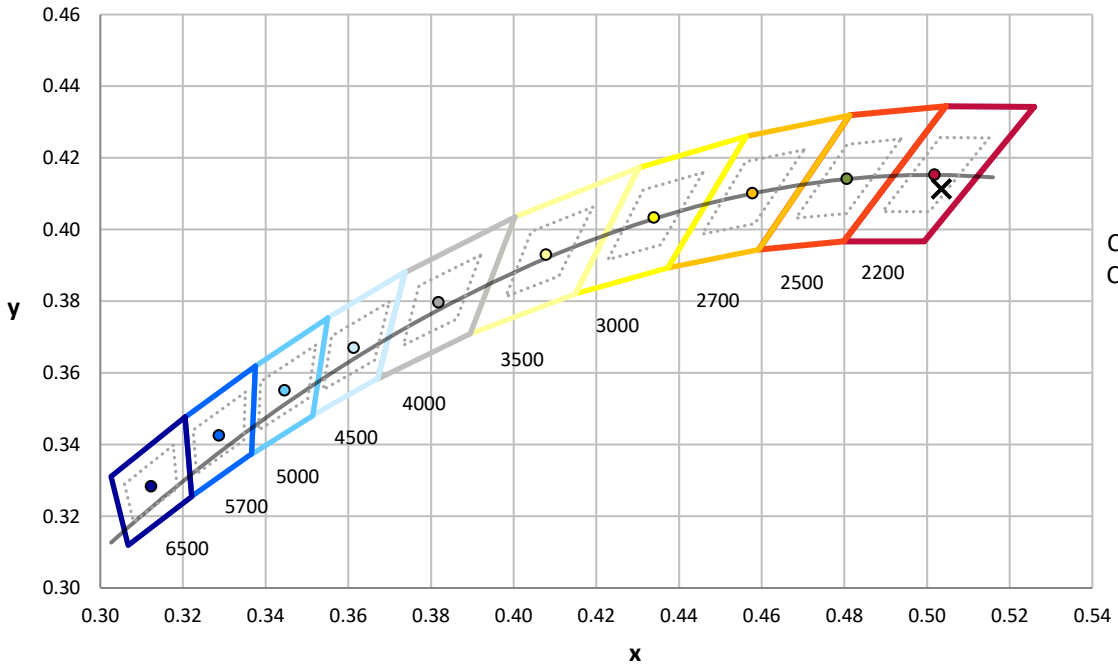
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

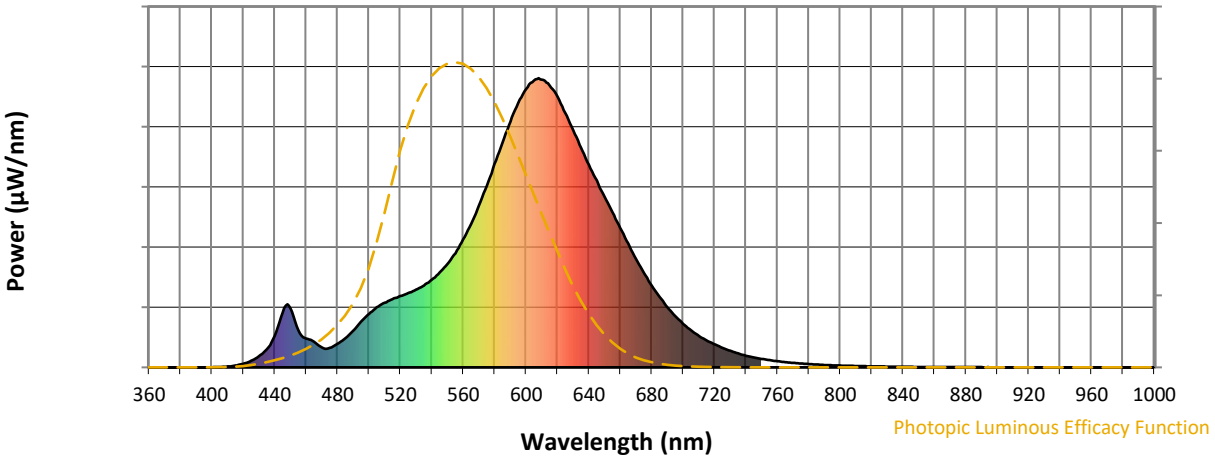


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

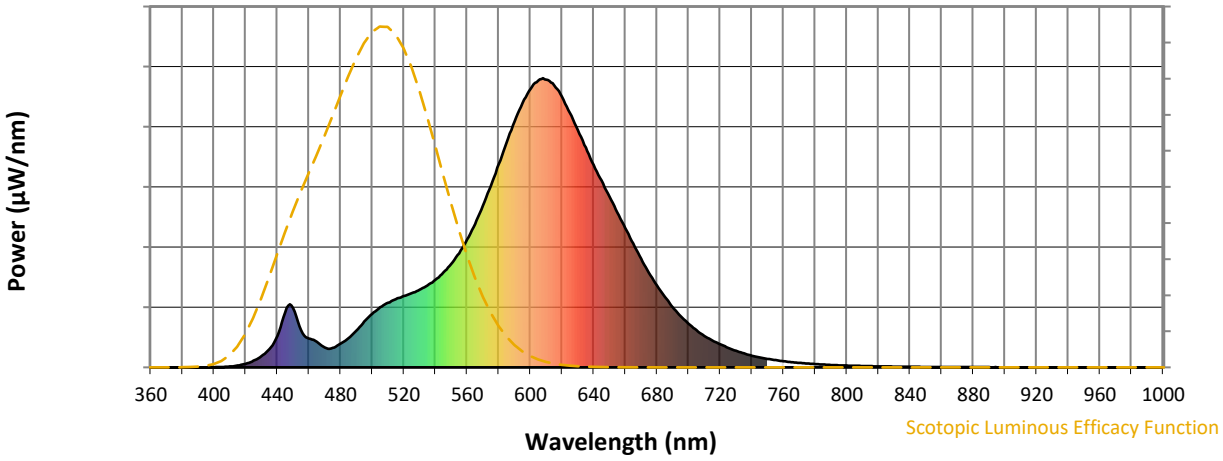


Photopic Lumens: NR

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

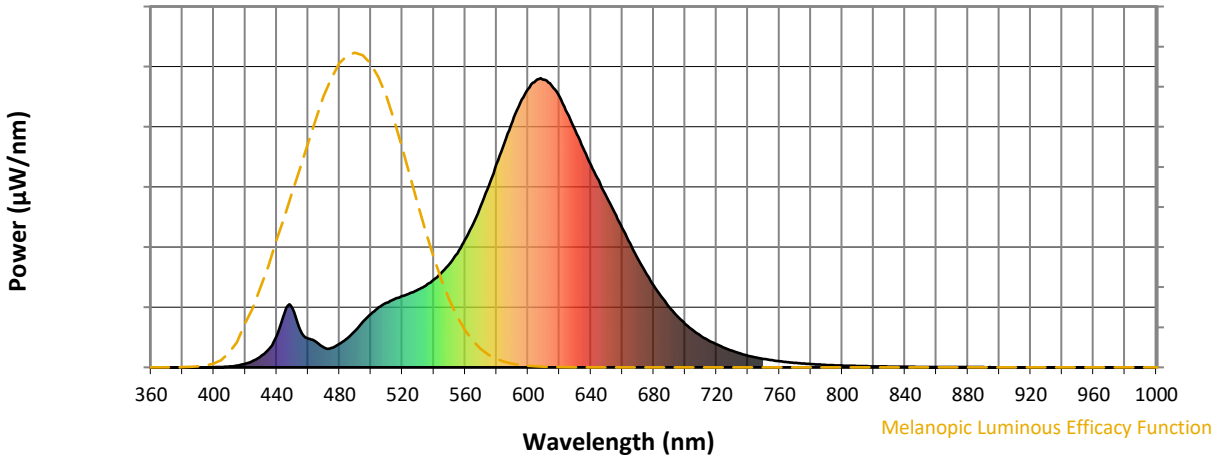


Scotopic Lumens: NR **S/P: 0.96**

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			

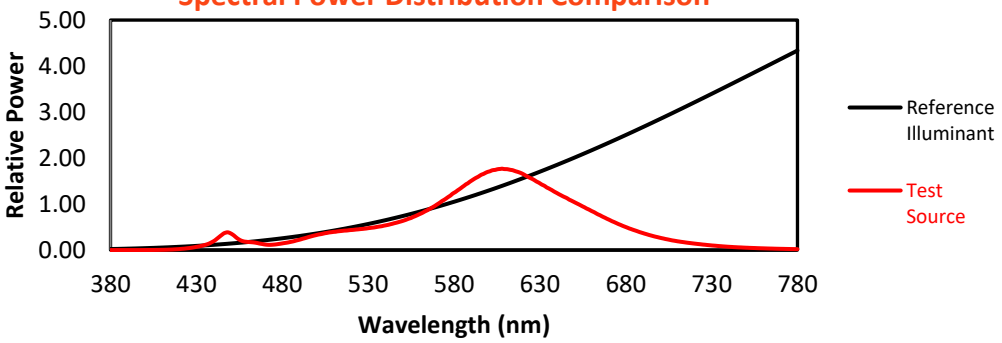
REPORT NUMBER: SP1-2501-332-7

TM-30-18

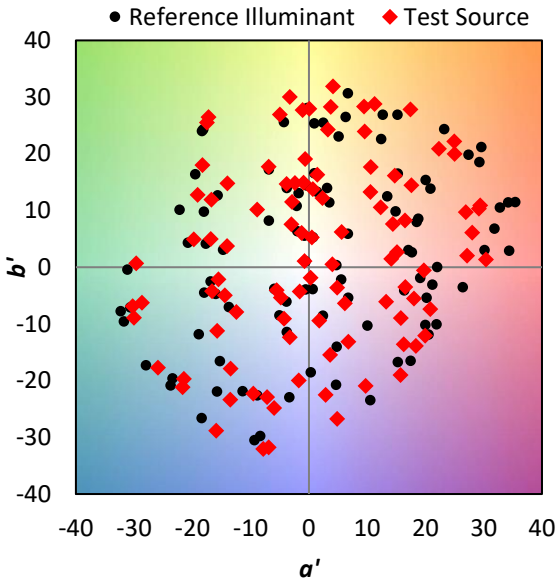
Summary

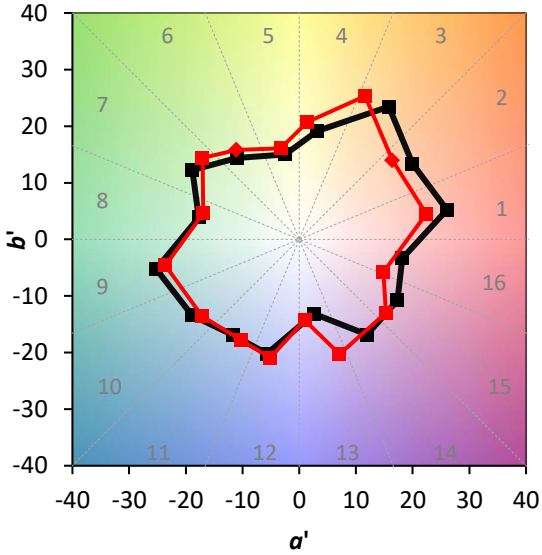
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

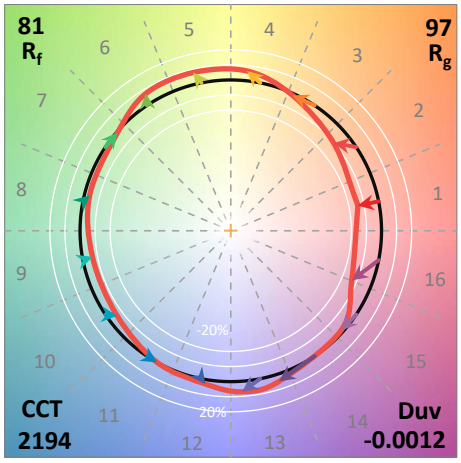
Spectral Power Distribution Comparison

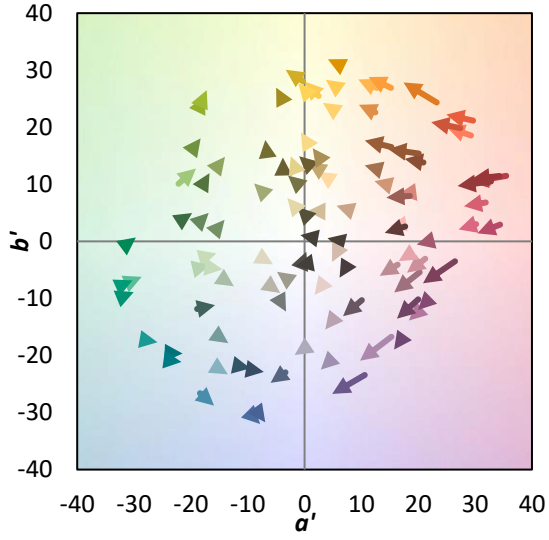


Color Vector Graphics







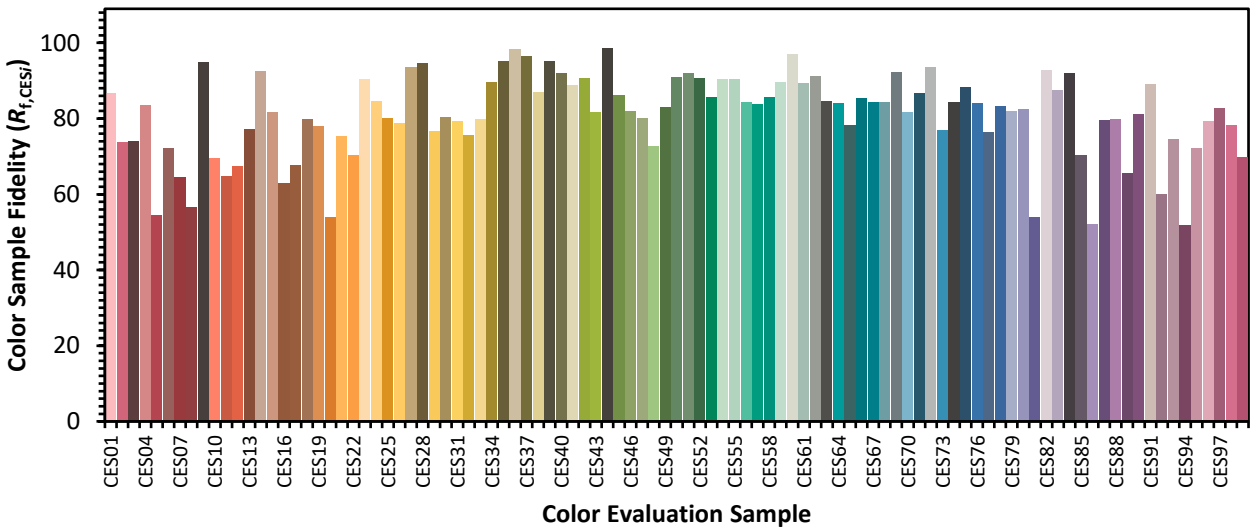


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

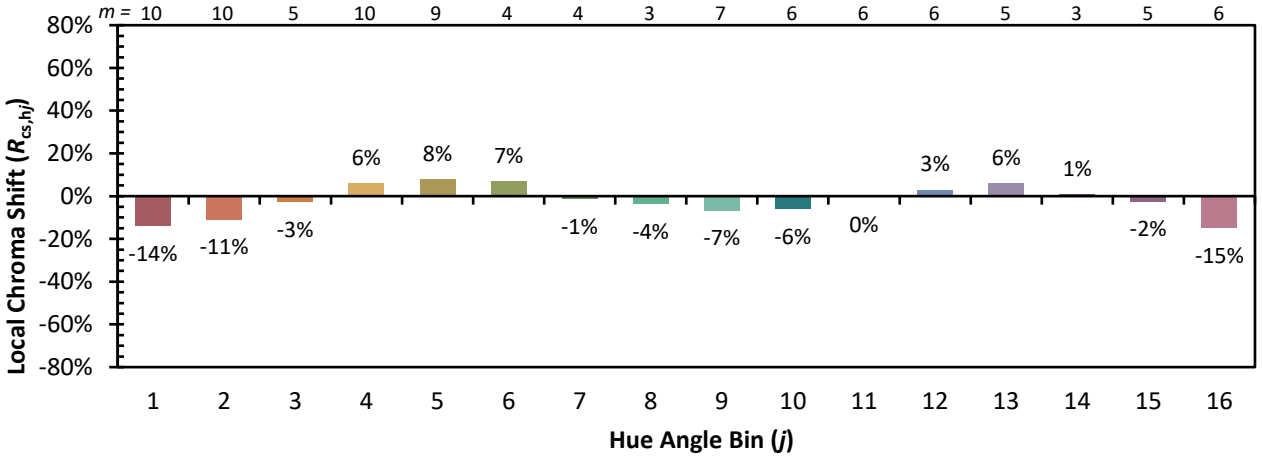
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 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	

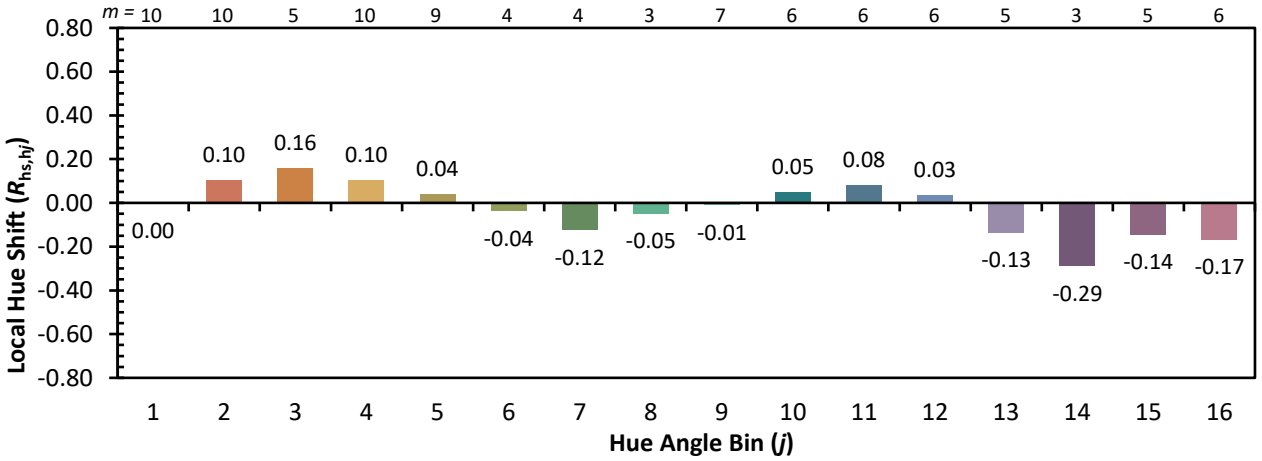


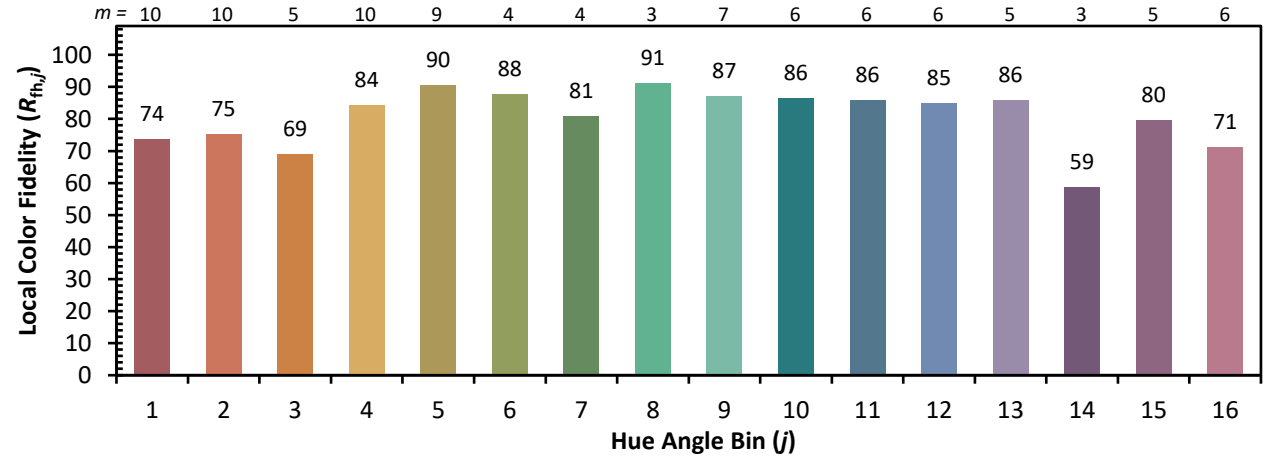
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Color Rendition by Hue-Angle Bin



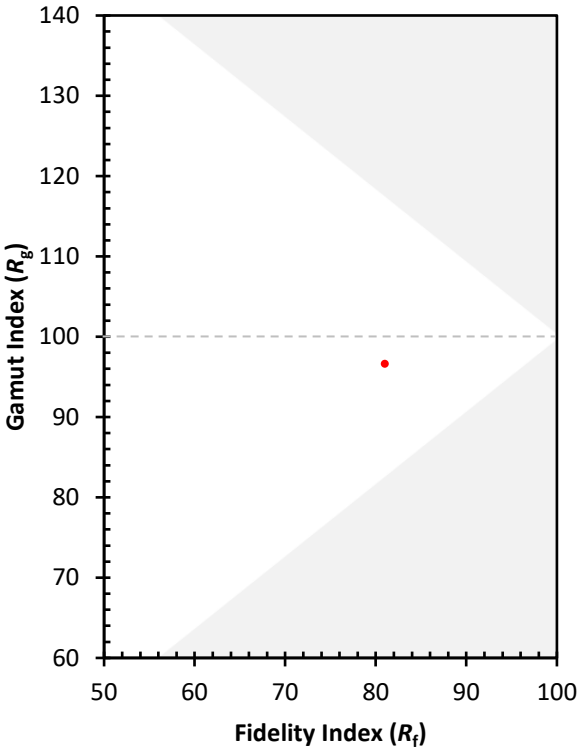


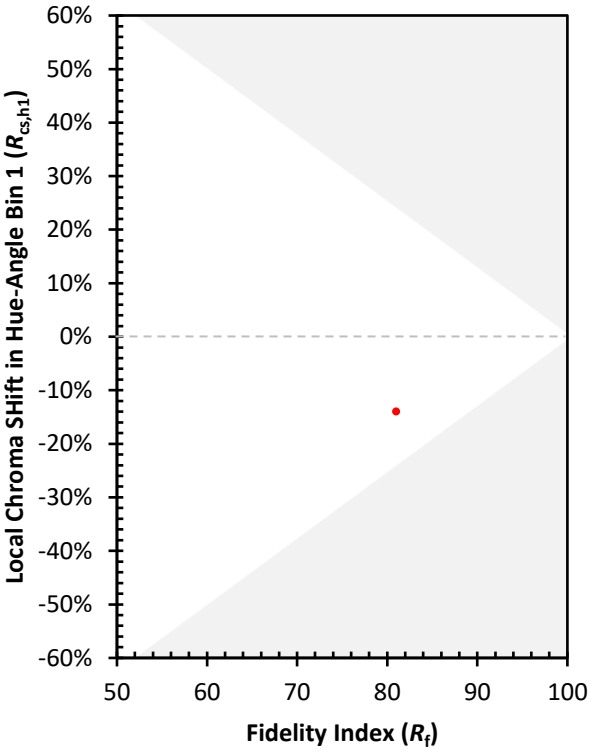


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Measure Comparisons





(END OF REPORT)