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: P1045800

Luminaire Tested: **FFX-CLB-50-730-U-FR-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:	P1045800
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-730-U-FR-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5313.3 lumens
Efficiency:	N/A
Efficacy:	105.0 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

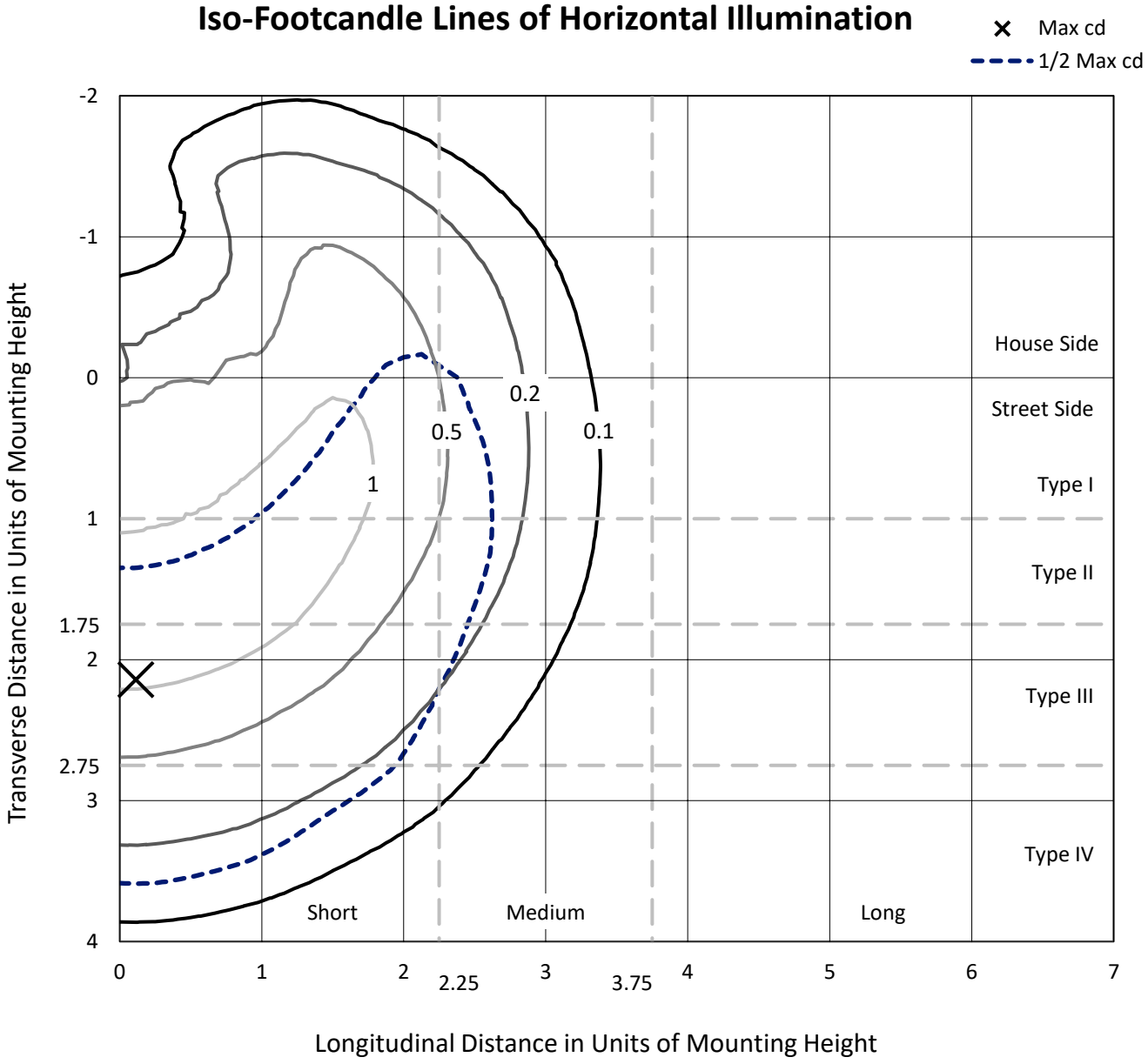


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Iso-Footcandle Lines of Horizontal Illumination



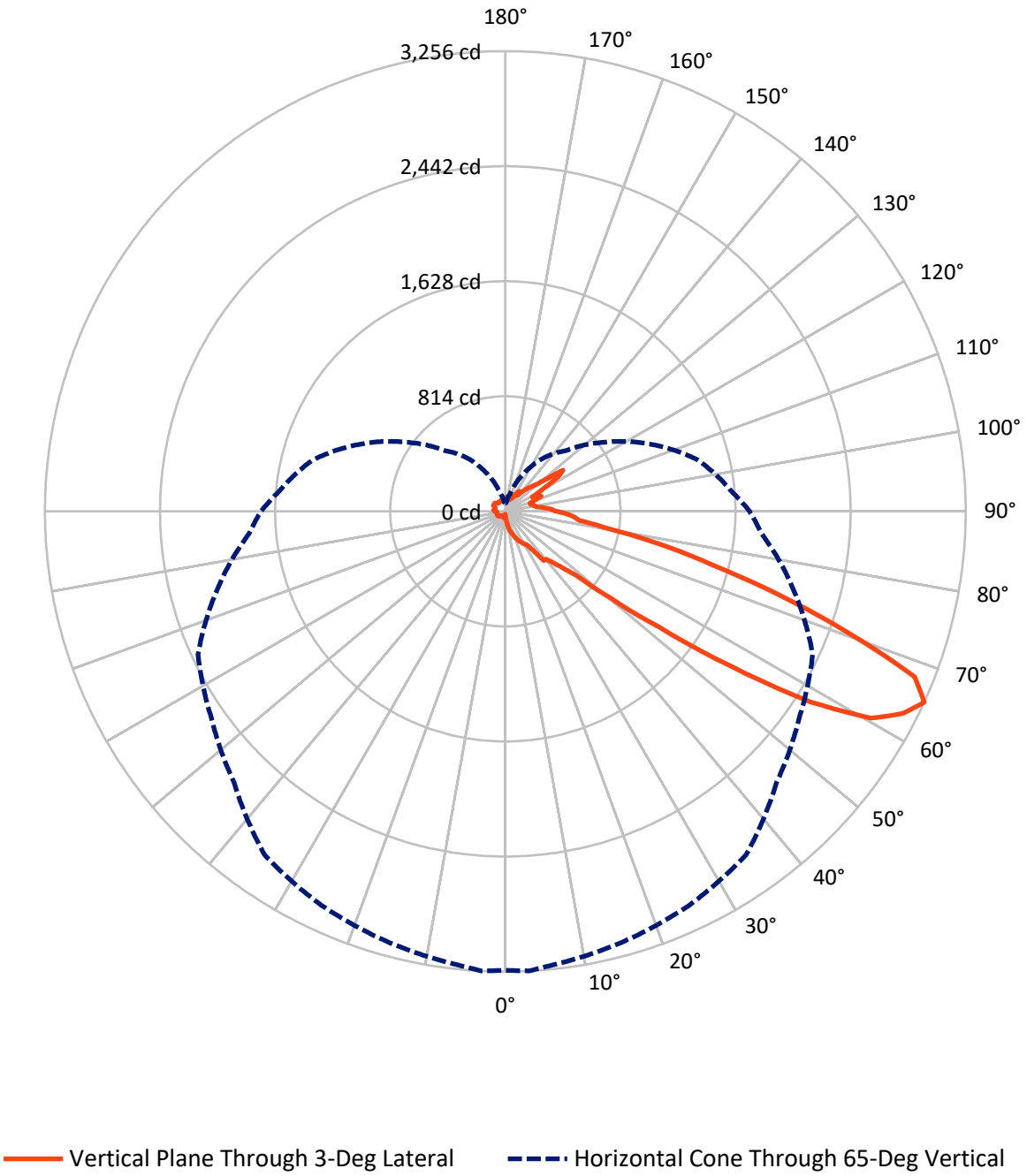
Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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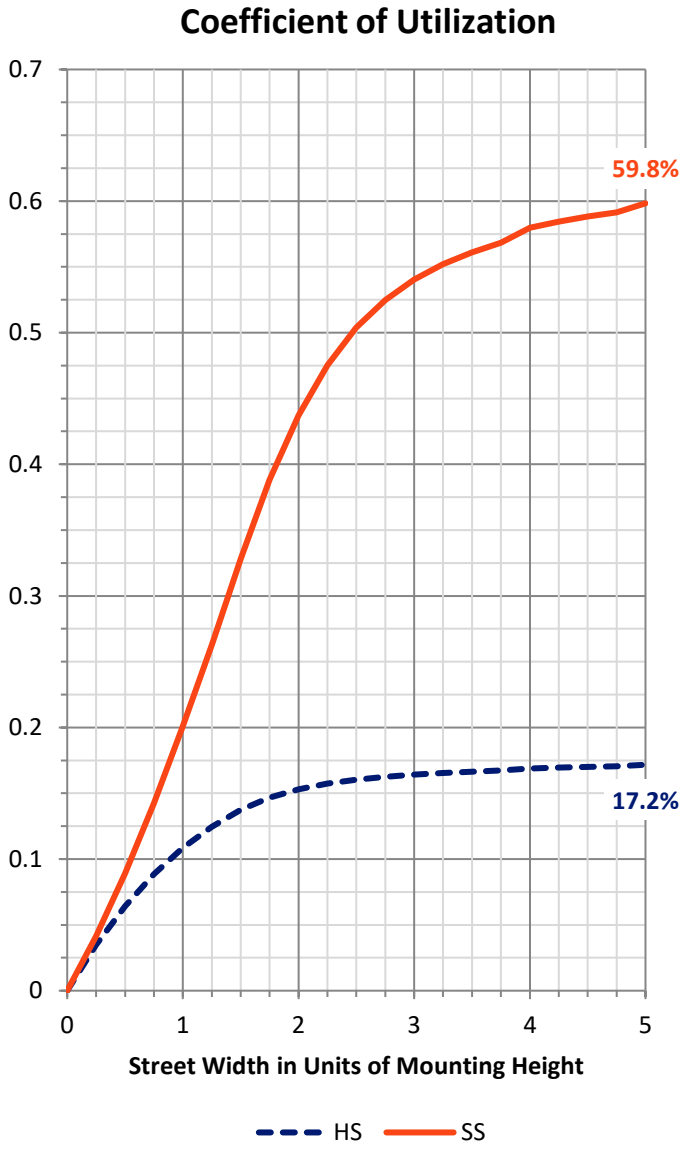
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	947.2	368.7	1315.9
	% Fixture	17.8	6.9	24.8
Street Side	Lumens	3311.2	686.2	3997.3
	% Fixture	62.3	12.9	75.2
Total	Lumens	4258.4	1054.9	5313.3
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	30.1	0.6
20°-30°	66.3	1.2
30°-40°	132.3	2.5
40°-50°	285.6	5.4
50°-60°	976.4	18.4
60°-70°	1586.7	29.9
70°-80°	853.8	16.1
80°-90°	321.7	6.1
90°-100°	203.0	3.8
100°-110°	144.2	2.7
110°-120°	159.2	3.0
120°-130°	243.2	4.6
130°-140°	145.9	2.7
140°-150°	80.6	1.5
150°-160°	44.8	0.8
160°-170°	24.8	0.5
170°-180°	9.2	0.2
0°-90°	4258.4	80.1
0°-180°	5313.3	100.0



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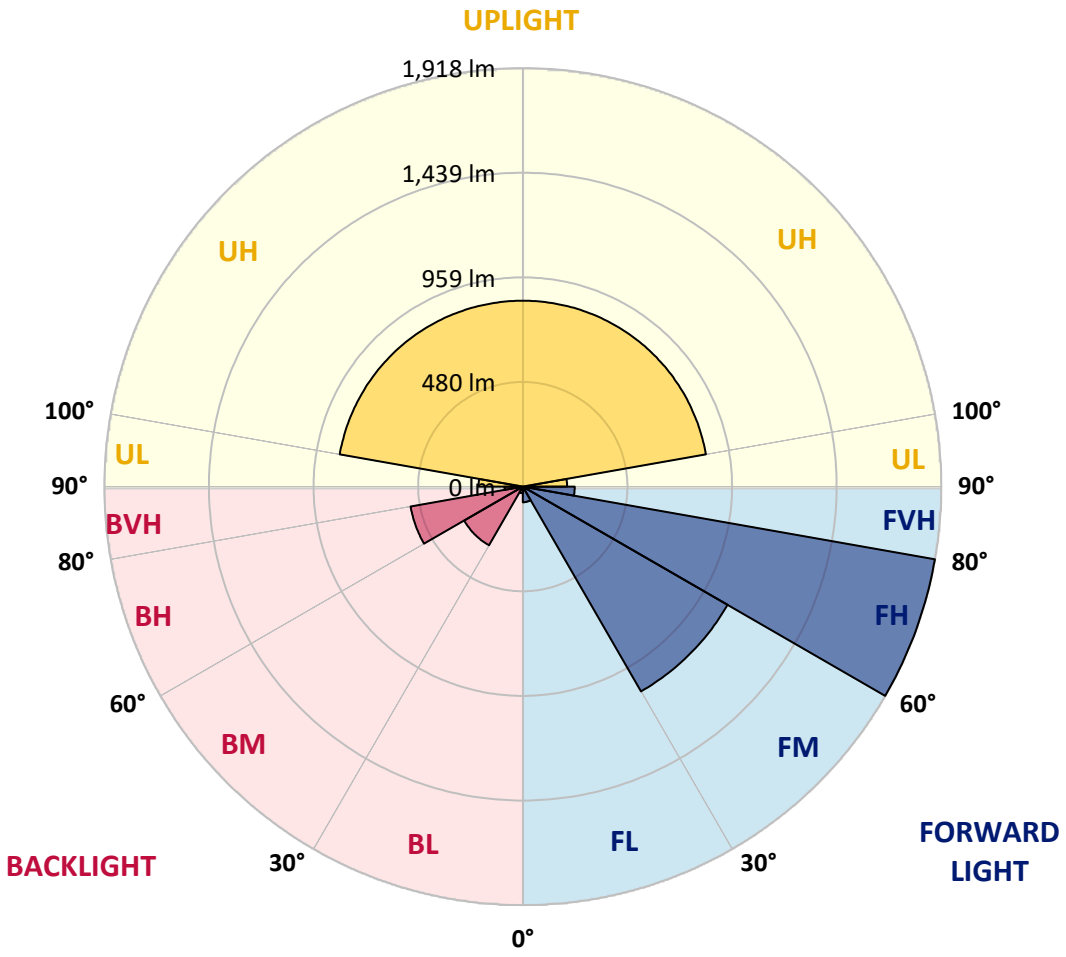
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	71.7	1.3			
FM	(30°-60°)	1083.7	20.4			
FH	(60°-80°)	1918.0	36.1			G2/5000
FVH	(80°-90°)	237.7	4.5			G3/500
BL	(0°-30°)	30.3	0.6	B0/110		
BM	(30°-60°)	310.6	5.8	B1/1000		
BH	(60°-80°)	522.4	9.8	B2/1000		G2/1000
BVH	(80°-90°)	84.0	1.6			G1/100
UL	(90°-100°)	203.0	3.8		U3/500	
UH	(100°-180°)	851.9	16.0		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
2.5°	42.3	42.9	42.9	42.9	44.0	44.6	44.0	42.3	39.9	38.7	37.5
5°	61.3	62.5	61.9	61.9	60.7	60.7	58.9	57.7	56.5	52.4	48.2
7.5°	85.1	83.9	83.3	82.1	82.7	79.8	77.4	77.4	75.6	71.4	64.9
10°	110.1	110.1	108.3	107.7	106.5	105.3	101.2	98.8	98.8	91.7	83.9
12.5°	137.5	136.9	137.5	136.3	134.5	131.5	126.8	121.4	118.4	111.9	100.6
15°	155.3	154.7	154.7	154.2	153.0	150.0	146.4	141.1	133.3	126.8	116.1
17.5°	174.4	173.2	173.2	170.2	167.8	164.3	161.3	155.9	146.4	134.5	124.4
20°	195.2	195.2	195.2	191.1	186.3	181.5	177.4	172.6	165.5	147.6	133.3
22.5°	214.9	215.5	214.9	210.7	206.5	198.8	192.2	186.3	179.1	161.3	144.0
25°	233.9	235.1	234.5	234.5	229.1	219.0	210.1	201.2	196.4	178.6	154.7
27.5°	250.6	251.2	251.8	254.7	251.8	240.5	226.2	215.5	211.9	192.2	163.7
30°	266.6	268.4	268.4	271.4	270.8	258.3	241.0	229.1	222.0	203.0	172.6
32.5°	282.1	283.3	283.9	291.0	290.4	273.8	258.9	245.8	233.9	219.6	188.1
35°	338.1	336.3	345.2	350.6	346.4	331.5	313.7	289.3	272.6	255.9	222.0
37.5°	442.2	441.0	441.0	429.1	412.5	395.2	390.4	364.8	344.6	323.2	276.8
40°	445.2	445.2	447.0	460.1	468.4	446.4	425.6	400.6	396.4	374.4	317.8
42.5°	488.6	493.4	498.2	507.1	522.0	507.7	483.9	444.0	425.0	402.3	354.1
45°	562.4	569.6	567.2	570.8	567.2	554.7	552.9	530.9	502.3	458.9	394.0
47.5°	684.5	680.3	677.9	692.2	715.4	692.2	686.8	651.7	597.0	541.6	467.8
50°	984.4	966.6	985.0	982.0	977.9	956.5	940.4	905.3	816.0	726.1	619.6
52.5°	1386.2	1357.0	1373.7	1385.0	1373.1	1342.7	1294.5	1226.1	1105.8	989.8	849.3
55°	1970.0	1929.6	1934.9	1949.2	1957.6	1888.5	1819.5	1668.3	1488.0	1308.8	1156.4
57.5°	2614.6	2542.0	2589.6	2509.9	2477.1	2353.9	2295.6	2142.7	1930.8	1691.5	1445.7
60°	2977.7	2970.0	2961.0	2899.1	2864.6	2726.5	2589.6	2446.2	2256.3	1973.6	1686.1
62.5°	3135.4	3152.1	3139.0	3106.8	3075.9	2954.5	2716.4	2546.2	2392.0	2101.6	1814.7
65°	3246.7	3256.2	3234.2	3159.8	3075.9	2967.6	2713.4	2539.6	2398.6	2105.8	1820.1
67.5°	3119.3	3121.1	3094.3	2997.9	2827.7	2732.5	2486.1	2334.3	2196.2	1946.2	1679.0
70°	2569.4	2574.8	2558.1	2472.4	2329.5	2246.8	2009.3	1853.4	1749.2	1576.6	1379.6
72.5°	2002.8	2026.0	2002.2	1968.3	1832.6	1771.3	1611.8	1485.6	1389.7	1227.3	1068.3
75°	1505.8	1511.2	1511.8	1473.7	1402.2	1388.6	1279.0	1195.7	1112.4	979.1	862.4
77.5°	1092.2	1116.0	1107.6	1101.1	1007.6	1013.0	969.5	920.1	867.8	779.1	695.8
80°	724.9	737.4	722.5	726.1	713.6	710.6	670.2	636.8	604.7	563.6	530.9
82.5°	528.5	526.1	524.9	518.4	508.9	510.7	490.4	449.4	410.7	402.3	372.0
85°	488.6	486.9	485.1	473.2	452.9	440.4	429.1	412.5	388.7	351.2	311.9
87.5°	427.3	427.9	423.8	411.3	398.2	394.6	385.7	375.0	363.1	335.1	300.6
90°	351.8	350.0	350.6	343.4	345.8	344.6	330.9	317.8	313.1	289.3	269.0
92.5°	325.0	323.2	323.8	318.4	310.1	308.3	293.4	277.4	270.2	255.3	239.9
95°	271.4	271.4	269.0	266.6	262.5	256.5	248.8	238.1	232.7	220.8	205.3
97.5°	228.0	225.6	227.4	223.2	219.6	217.2	211.3	200.6	195.2	186.3	174.4
100°	211.9	211.9	211.3	209.5	200.6	195.8	189.3	179.1	175.0	167.2	158.3
102.5°	203.0	202.4	201.8	200.0	191.6	183.3	175.0	169.0	164.3	157.7	148.2
105°	185.7	185.7	186.9	186.3	180.3	175.0	166.1	160.7	155.9	149.4	140.5
107.5°	183.9	183.3	183.3	176.2	168.4	165.5	158.9	154.2	150.0	143.4	133.3
110°	210.7	211.9	213.7	201.8	183.3	175.6	166.1	160.7	155.9	147.6	136.9

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	276.2	*276.2*	275.0	268.4	236.3	214.9	210.1	196.4	188.7	176.2	161.3
115°	248.2	*248.8*	248.2	250.0	247.6	220.8	225.6	203.0	216.1	186.9	176.8
117.5°	216.6	*216.1*	213.7	214.3	216.6	233.9	196.4	191.1	196.4	170.2	161.3
120°	302.4	*297.0*	302.4	280.3	276.8	279.7	258.3	254.1	231.5	200.0	176.2
122.5°	445.2	*436.9*	448.8	441.0	447.0	427.3	406.5	389.2	364.3	311.3	263.7
125°	502.9	*501.1*	498.2	487.5	477.9	469.6	473.2	479.7	466.0	423.2	367.8
127.5°	370.2	*375.0*	373.2	394.6	415.4	410.7	398.2	404.1	411.3	408.9	376.2
130°	295.2	*299.4*	301.8	322.6	340.4	340.4	320.2	314.9	320.8	333.3	320.8
132.5°	258.9	*260.1*	261.3	268.4	283.3	290.4	277.9	269.6	272.0	278.5	267.8
135°	233.3	*232.7*	230.9	226.2	227.4	234.5	239.9	238.7	236.9	236.9	230.9
137.5°	202.4	*201.8*	201.8	194.6	191.6	197.6	205.3	212.5	207.7	201.2	194.0
140°	168.4	*167.8*	168.4	172.6	173.8	174.4	178.6	178.6	178.6	178.0	175.0
142.5°	139.9	*140.5*	141.7	152.4	157.7	157.7	152.4	147.6	147.0	150.6	151.2
145°	172.0	*172.0*	172.6	172.0	168.4	164.9	161.3	161.3	157.7	149.4	145.2
147.5°	153.6	*155.9*	154.2	155.9	157.1	157.7	157.1	158.9	159.5	154.7	148.2
150°	120.8	*120.2*	119.0	120.8	123.8	127.4	128.6	129.7	130.3	130.3	130.3
152.5°	104.8	*105.3*	104.8	106.5	108.3	108.9	110.7	110.7	111.3	110.7	109.5
155°	101.8	*101.8*	101.8	101.8	102.4	103.6	105.9	107.1	105.9	104.2	101.2
157.5°	94.6	*94.6*	94.6	95.2	96.4	97.6	99.4	100.6	100.6	99.4	97.0
160°	90.5	*90.5*	90.5	90.5	91.7	92.8	94.0	95.2	95.2	94.6	92.8
162.5°	85.7	*85.7*	85.7	86.3	87.5	88.7	89.9	91.1	90.5	90.5	89.3
165°	85.1	*85.1*	85.1	85.7	86.9	88.7	89.3	89.3	89.9	89.9	89.9
167.5°	87.5	*87.5*	88.1	88.1	89.3	89.9	91.1	91.7	92.3	91.7	91.7
170°	91.1	*91.1*	91.1	91.7	92.3	92.3	92.8	92.8	93.4	93.4	93.4
172.5°	95.8	*95.8*	95.8	95.8	95.2	95.2	95.2	95.2	95.8	95.2	95.8
175°	101.2	*101.2*	101.2	100.6	100.0	100.0	99.4	99.4	98.8	98.2	98.2
177.5°	101.8	*101.8*	101.8	101.8	101.2	100.6	100.6	100.0	99.4	99.4	99.4
180°	99.4	*99.4*	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
2.5°	36.3	35.1	32.1	29.8	28.0	25.6	23.8	22.0	20.8	20.2	19.6
5°	47.6	45.2	41.7	38.1	35.1	30.9	28.6	24.4	21.4	20.2	19.6
7.5°	62.5	60.7	58.9	58.3	57.1	51.8	44.0	38.1	36.9	35.7	36.9
10°	79.8	76.2	70.8	73.8	73.8	63.7	53.0	47.0	46.4	48.8	49.4
12.5°	95.8	91.1	84.5	83.9	77.4	63.7	52.4	46.4	45.8	46.4	47.0
15°	110.7	105.3	98.2	92.3	82.1	67.9	54.8	47.0	45.2	47.0	47.0
17.5°	119.0	113.7	103.6	92.3	80.3	67.3	54.2	45.8	41.7	39.3	39.3
20°	129.2	125.0	111.3	97.0	80.9	66.7	53.6	44.6	39.9	37.5	36.9
22.5°	138.1	133.3	118.4	103.0	84.5	66.7	51.8	44.0	39.9	37.5	36.9
25°	148.8	141.7	126.8	109.5	87.5	66.7	51.8	44.6	40.5	38.1	37.5
27.5°	155.9	147.6	133.3	114.3	91.1	67.9	53.6	45.2	40.5	38.1	38.1
30°	163.1	155.3	138.7	120.8	95.2	70.8	56.5	47.6	42.3	39.3	39.3
32.5°	177.4	167.2	147.0	126.2	98.8	73.2	59.5	50.0	44.0	41.1	41.1
35°	209.5	195.2	170.8	141.7	103.6	75.6	62.5	53.0	45.2	41.7	41.7
37.5°	258.3	240.5	210.7	170.8	115.5	79.2	64.9	54.2	46.4	43.4	42.9
40°	290.4	268.4	232.7	194.0	132.7	85.1	67.9	55.9	47.6	44.0	43.4
42.5°	329.1	302.4	254.7	201.2	141.7	97.6	73.8	58.9	49.4	44.6	44.0
45°	364.3	341.6	297.0	235.1	167.2	116.1	84.5	64.3	52.4	46.4	45.8
47.5°	435.7	400.6	341.0	277.4	199.4	144.0	103.0	72.6	57.1	48.8	47.6
50°	574.9	538.6	466.6	367.8	257.7	183.3	132.7	88.1	63.1	51.2	49.4
52.5°	780.9	714.2	633.9	500.5	365.4	264.9	188.1	124.4	75.0	53.6	50.6
55°	1056.4	1018.4	876.1	706.5	520.8	396.4	289.3	193.4	111.9	56.5	51.2
57.5°	1372.5	1296.9	1167.1	955.9	696.4	504.7	391.0	288.1	164.9	66.1	54.2
60°	1576.0	1497.5	1348.7	1135.0	847.5	601.7	445.8	320.8	186.9	67.9	56.5
62.5°	1707.6	1597.5	1408.8	1158.8	891.6	641.6	470.8	304.7	159.5	66.1	58.3
65°	*1727.8*	*1608.2*	*1408.8*	*1126.1*	*851.7*	*608.9*	*455.3*	*281.5*	*125.6*	*63.1*	*60.7*
67.5°	1608.2	1478.4	1313.0	1032.6	764.2	522.0	391.0	229.7	95.2	61.3	60.1
70°	1302.3	1220.7	1070.1	841.6	610.1	427.3	311.3	176.2	77.4	59.5	58.9
72.5°	995.1	936.2	830.9	655.9	470.2	329.7	237.5	138.7	69.6	58.3	57.7
75°	792.2	738.6	652.9	505.3	358.9	254.1	177.4	106.5	63.7	58.3	57.1
77.5°	653.5	606.5	529.1	400.6	261.9	189.9	134.5	86.3	62.5	58.3	57.7
80°	502.9	469.0	411.3	291.0	187.5	142.2	107.1	76.8	62.5	59.5	58.9
82.5°	356.5	343.4	300.0	226.8	157.7	123.8	98.8	75.6	63.7	60.7	60.1
85°	296.4	280.9	250.0	197.6	147.0	119.6	97.6	77.4	66.7	64.3	63.7
87.5°	285.7	275.6	245.2	191.1	141.1	114.3	93.4	75.6	66.7	65.5	66.1
90°	258.3	247.0	223.8	178.0	135.1	113.7	95.2	78.6	69.0	67.9	67.3
92.5°	234.5	228.0	207.7	172.0	139.3	117.8	100.6	85.7	78.0	75.6	75.6
95°	200.6	194.0	182.7	157.7	132.7	115.5	100.6	87.5	80.9	79.8	79.2
97.5°	170.8	166.7	157.1	137.5	117.8	103.6	90.5	80.3	75.0	73.2	73.2
100°	155.9	152.4	144.6	131.5	116.7	104.8	94.0	85.1	80.3	79.2	79.2
102.5°	145.2	142.2	135.1	125.6	112.5	103.0	94.0	86.3	80.9	79.8	80.3
105°	136.3	133.3	126.2	116.7	105.9	95.8	89.3	83.3	77.4	75.6	75.6
107.5°	129.7	126.8	120.8	111.3	102.4	93.4	86.3	81.5	76.8	75.6	75.6
110°	132.7	128.6	119.6	109.5	101.8	94.0	88.1	83.3	79.8	78.0	78.0

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

Scaled Data Report

REPORT NUMBER: P1045800
CATALOG NUMBER: FFX-CLB-50-730-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	155.3	148.8	133.9	119.6	109.5	100.6	94.0	87.5	84.5	82.1	82.1
115°	170.2	163.7	148.8	131.5	116.7	104.2	95.2	89.9	86.3	88.7	87.5
117.5°	155.3	150.6	139.3	126.8	114.9	104.2	96.4	92.8	90.5	93.4	94.6
120°	170.8	161.9	153.0	138.7	116.7	101.8	96.4	95.2	95.2	92.8	92.8
122.5°	244.0	229.1	195.8	171.4	141.1	124.4	114.3	104.8	95.2	91.7	91.1
125°	341.6	313.7	271.4	228.5	186.9	151.8	122.6	104.8	95.8	90.5	89.3
127.5°	359.5	335.1	296.4	244.6	188.1	148.2	122.0	108.3	98.2	92.3	91.7
130°	303.5	291.6	257.1	212.5	169.0	138.1	120.8	108.3	98.8	93.4	92.3
132.5°	257.7	249.4	217.2	181.5	150.6	128.0	112.5	98.8	89.9	85.1	83.9
135°	221.4	216.1	188.1	162.5	139.3	120.8	104.8	91.7	84.5	81.5	80.9
137.5°	189.9	184.5	165.5	147.6	129.7	113.7	100.6	89.3	82.7	80.9	80.3
140°	170.2	165.5	153.6	134.5	117.3	100.6	91.1	83.9	80.3	79.2	78.6
142.5°	148.2	142.8	129.7	116.1	104.2	91.1	84.5	81.5	79.8	78.6	78.0
145°	140.5	136.9	122.0	109.5	98.2	91.7	88.1	83.9	80.3	78.0	77.4
147.5°	142.2	138.1	125.0	113.1	103.0	95.8	89.9	83.9	79.2	76.8	76.2
150°	127.4	126.2	118.4	108.9	99.4	91.7	85.7	80.9	78.0	77.4	77.4
152.5°	106.5	105.9	102.4	97.0	90.5	84.5	80.3	78.0	78.0	79.2	79.8
155°	100.0	98.2	95.8	92.3	86.9	82.7	79.8	78.6	79.2	80.3	80.3
157.5°	96.4	94.6	92.3	89.3	86.3	82.7	80.3	79.8	80.9	82.1	82.1
160°	91.7	90.5	88.7	85.7	83.3	81.5	80.3	80.3	80.9	81.5	81.5
162.5°	88.7	87.5	85.7	83.9	82.7	82.1	81.5	80.9	81.5	82.1	82.1
165°	88.7	88.1	85.7	83.9	83.3	83.3	83.3	83.3	83.3	82.7	82.7
167.5°	91.1	90.5	88.7	87.5	86.9	87.5	87.5	86.9	86.3	85.1	85.1
170°	93.4	92.8	92.3	91.7	91.1	91.7	91.7	91.7	91.1	91.1	90.5
172.5°	95.8	95.2	94.6	94.0	94.0	94.0	94.6	95.2	95.2	95.2	95.2
175°	98.2	98.2	97.0	96.4	96.4	96.4	97.0	97.0	97.6	97.6	97.6
177.5°	99.4	99.4	99.4	99.4	100.0	99.4	99.4	98.8	98.8	98.8	98.8
180°	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

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

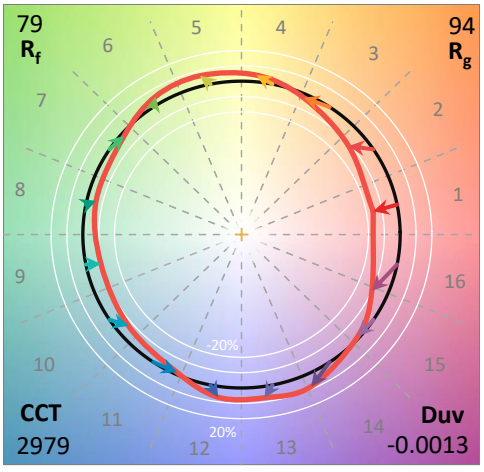
Test Information

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

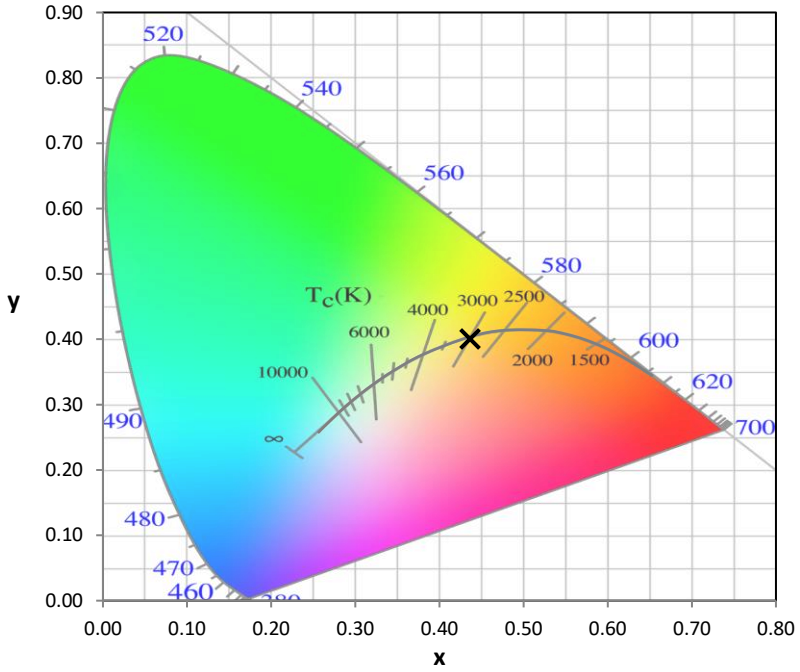
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

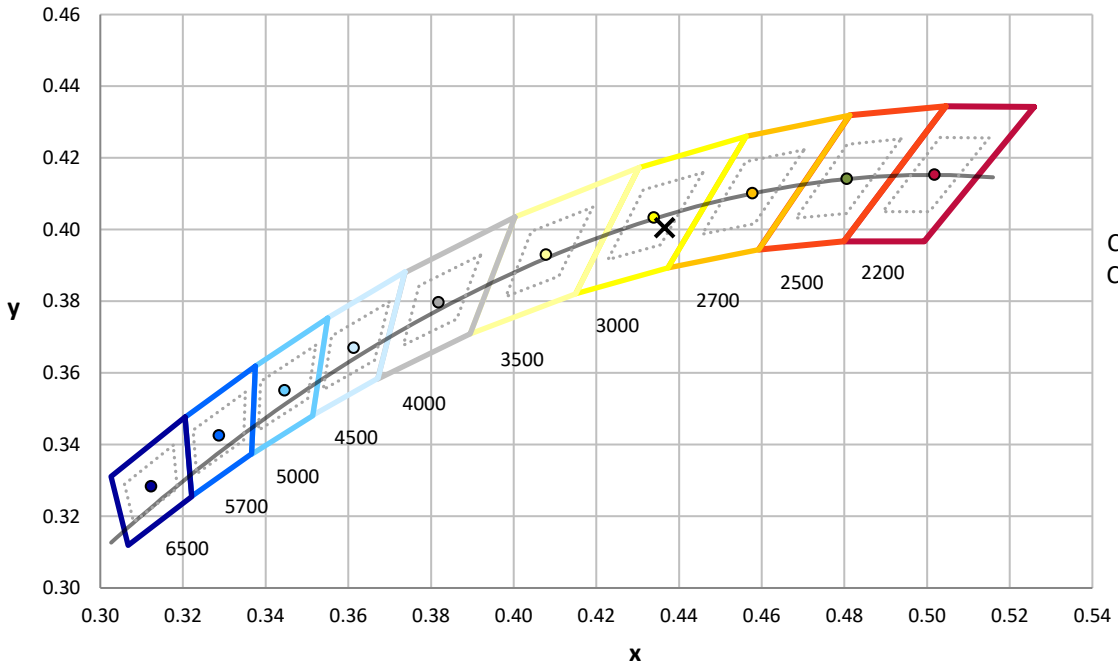
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

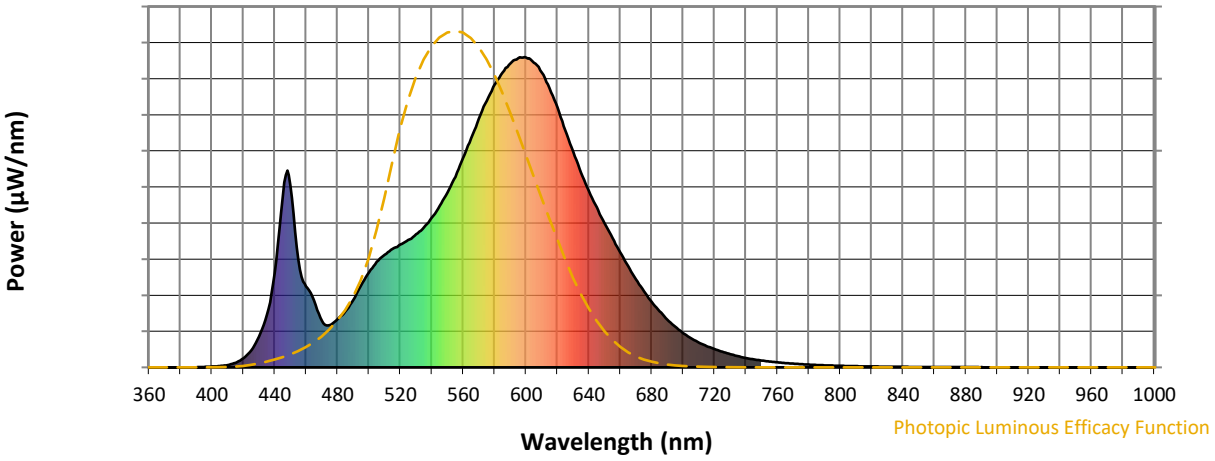


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

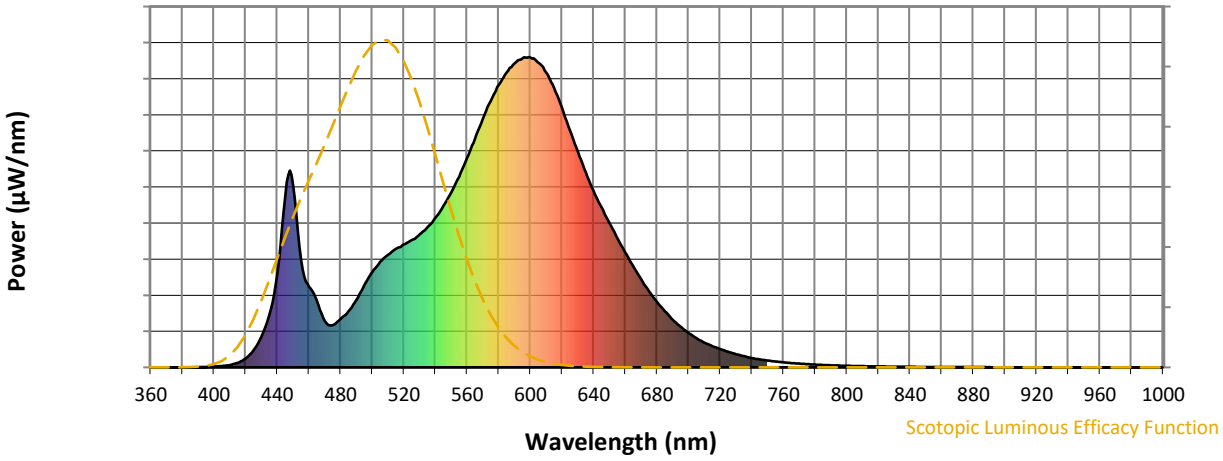


Photopic Lumens: NR

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

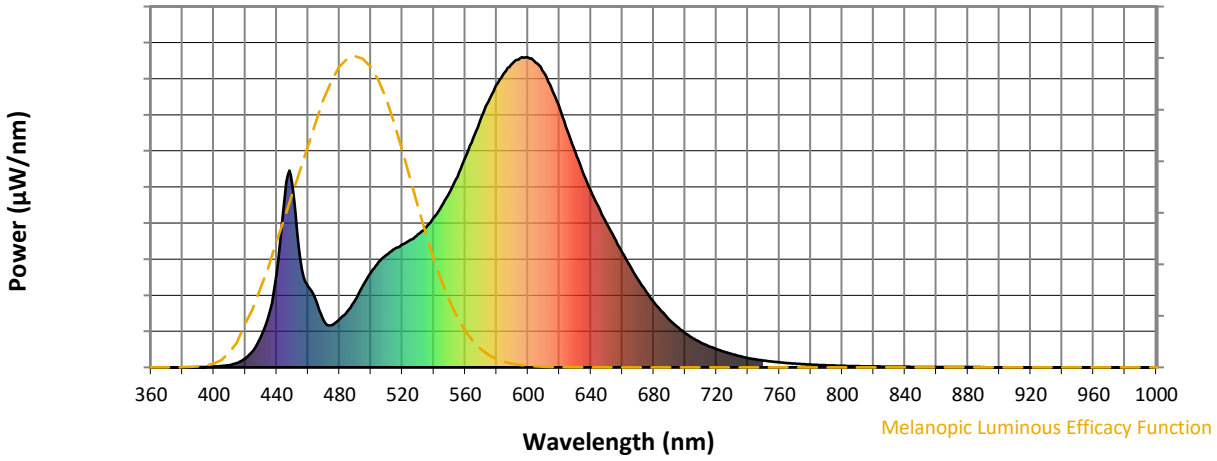


Scotopic Lumens: NR **S/P: 1.29**

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			

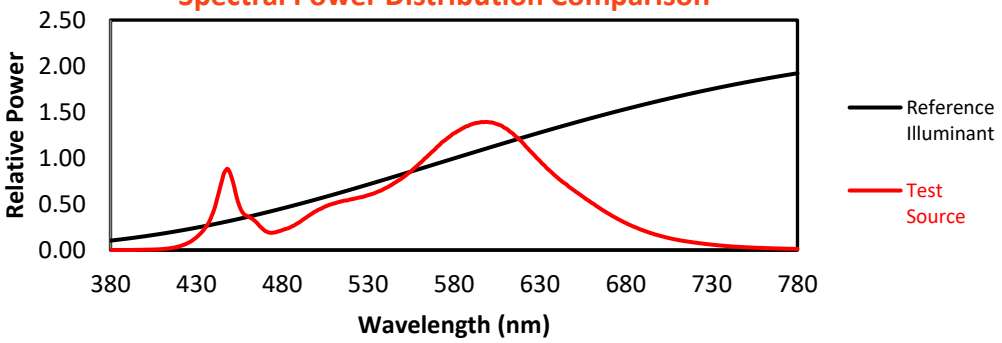
REPORT NUMBER: SP1-2501-332-9

TM-30-18

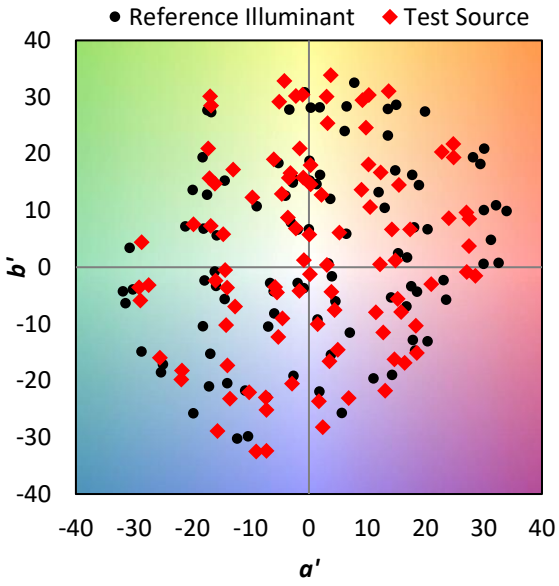
Summary

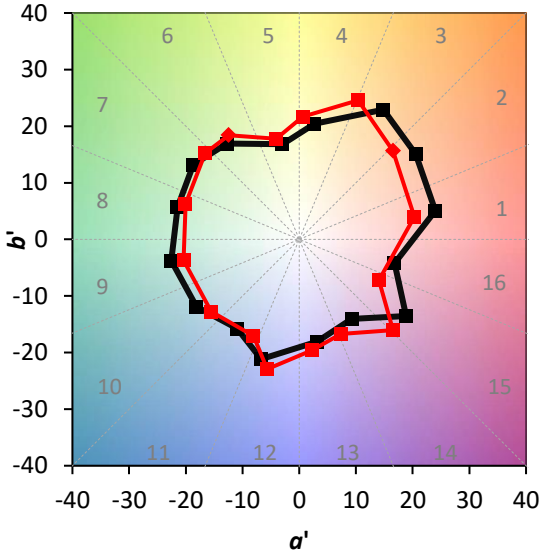
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

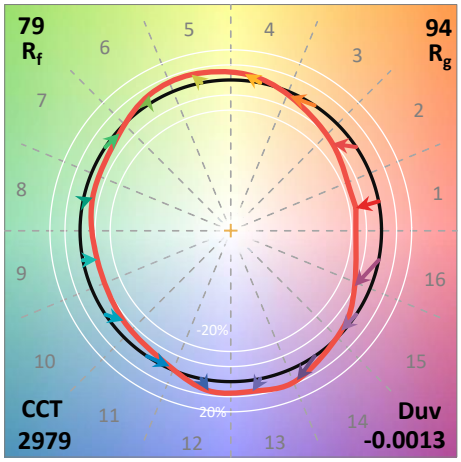
Spectral Power Distribution Comparison

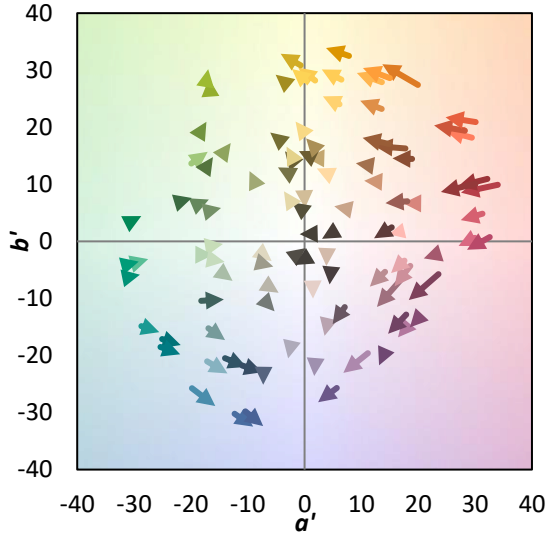


Color Vector Graphics







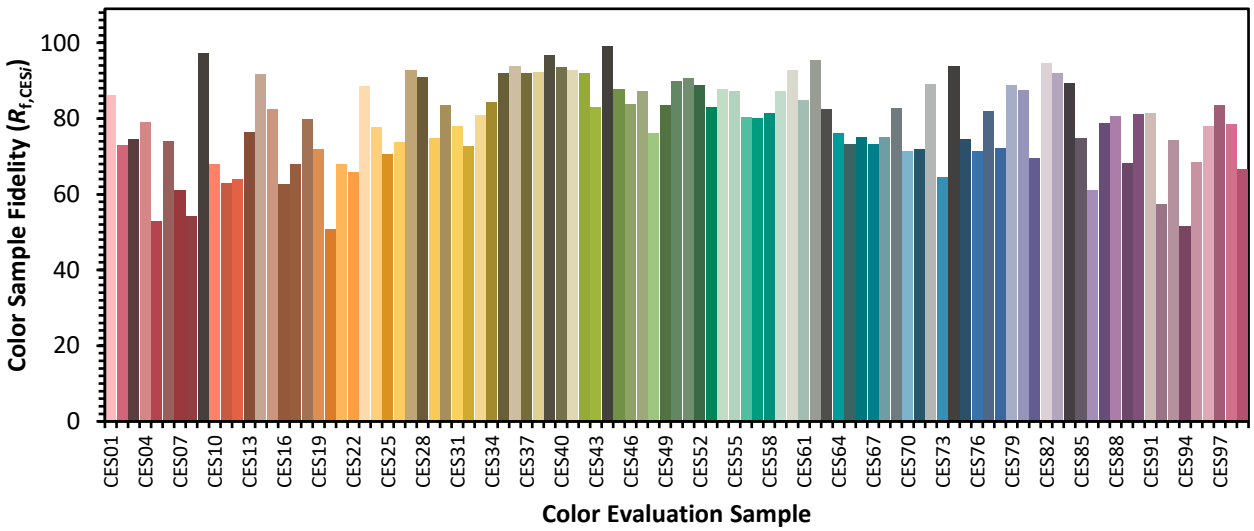


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

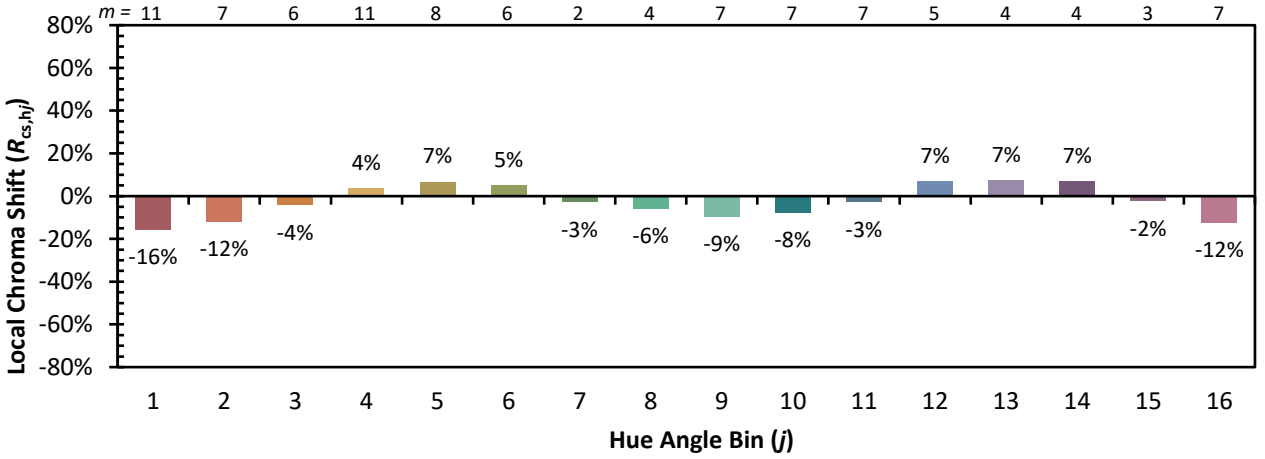
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CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 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	

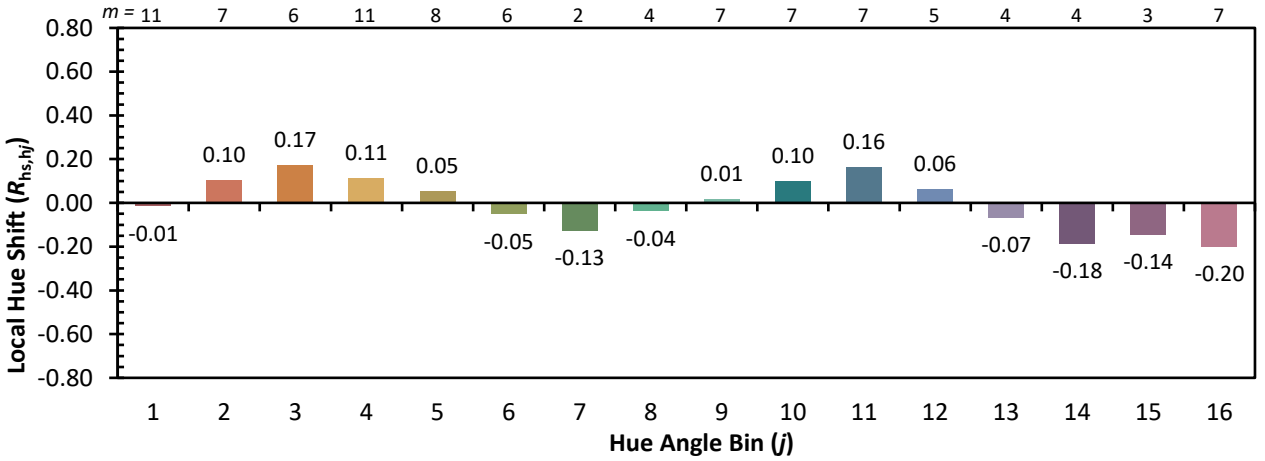


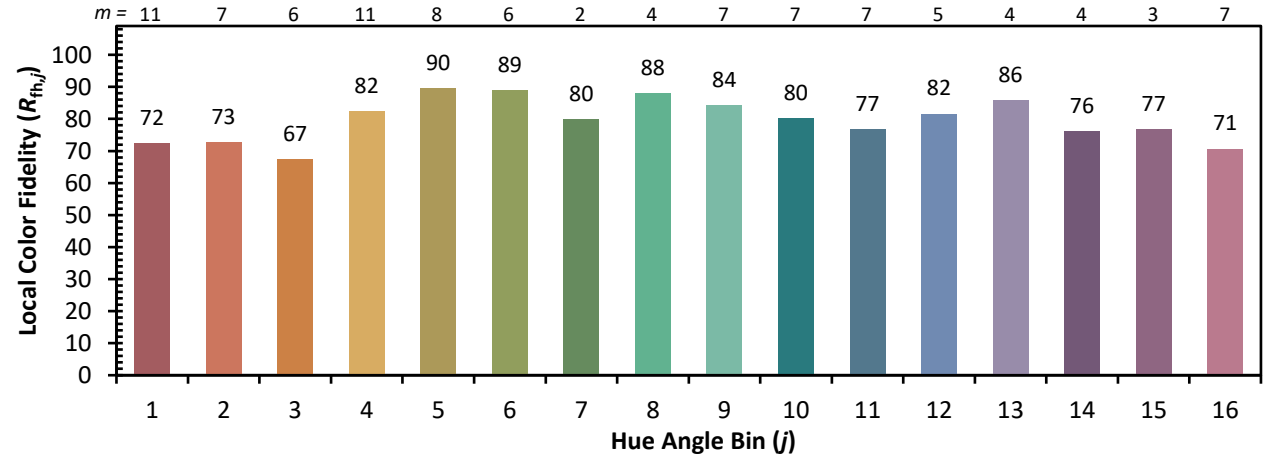
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Color Rendition by Hue-Angle Bin



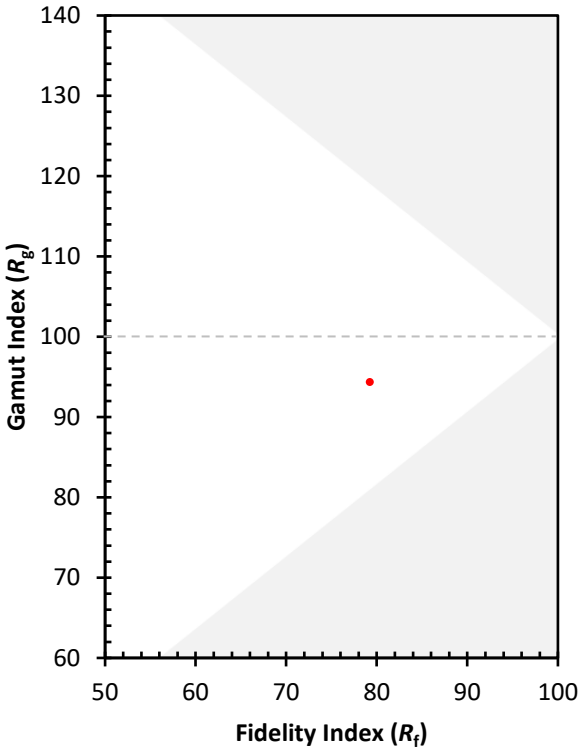


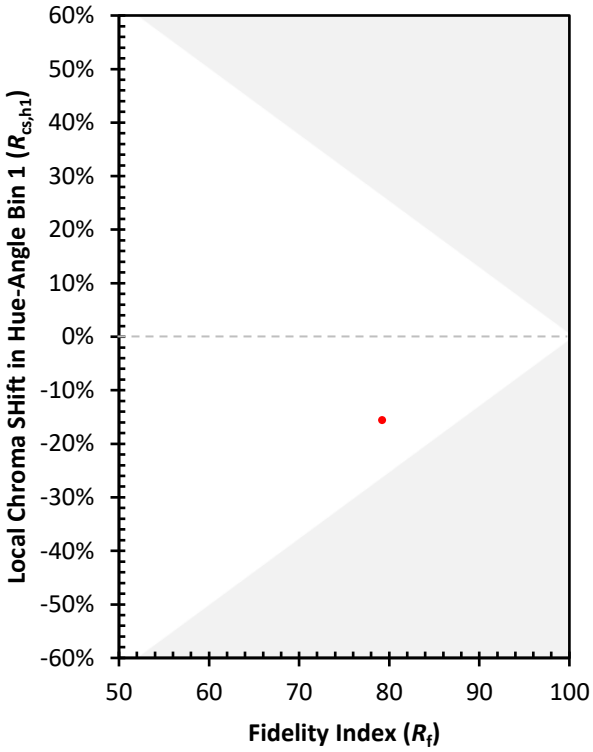


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Measure Comparisons





(END OF REPORT)