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: P1046412

Luminaire Tested: **FFX-CLB-50-722-U-FR-T4-UPLR**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046412
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
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND UPLIGHT REFLECTOR
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6473.7 lumens
Efficiency:	N/A
Efficacy:	127.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - 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

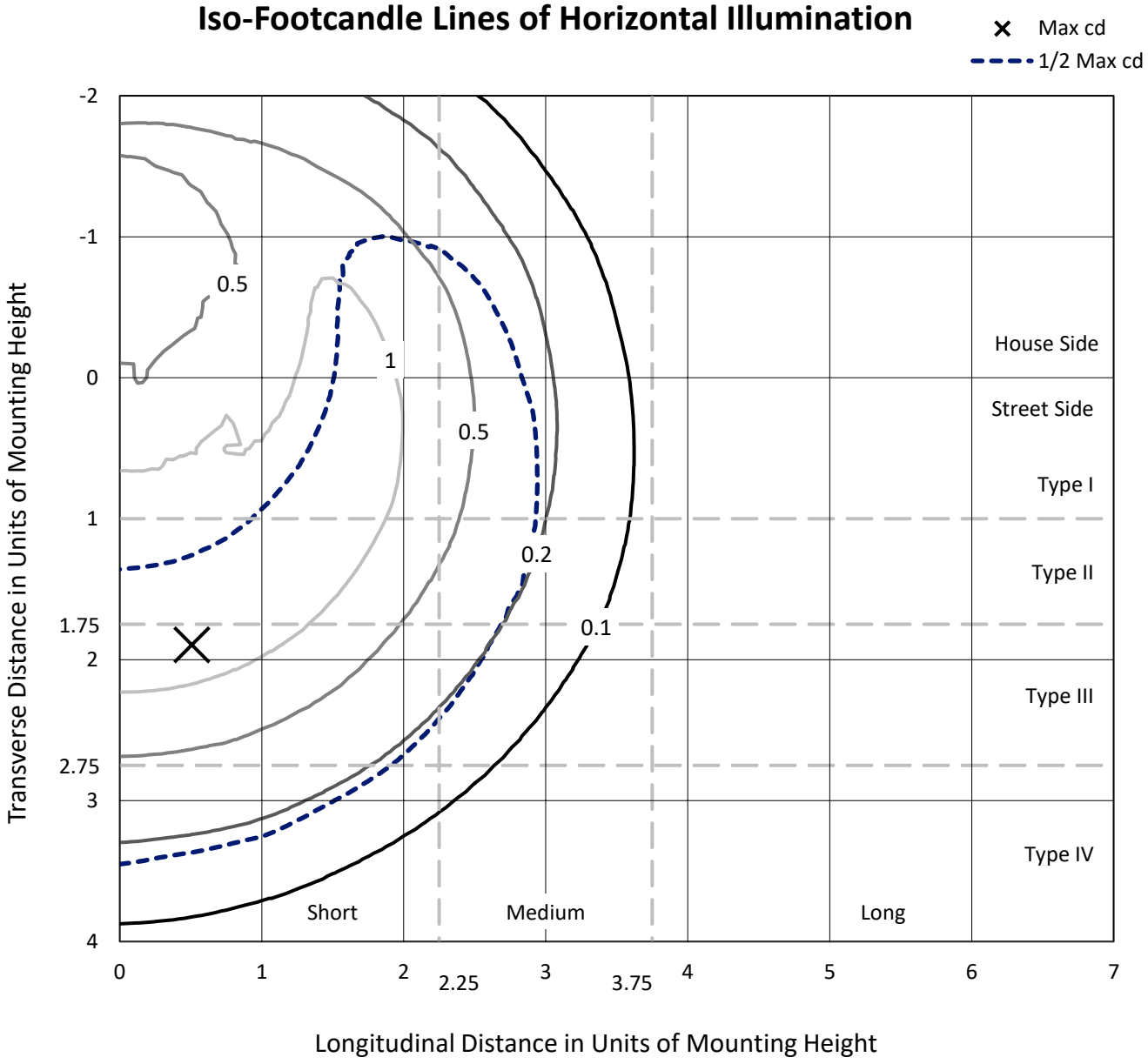


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Iso-Footcandle Lines of Horizontal Illumination



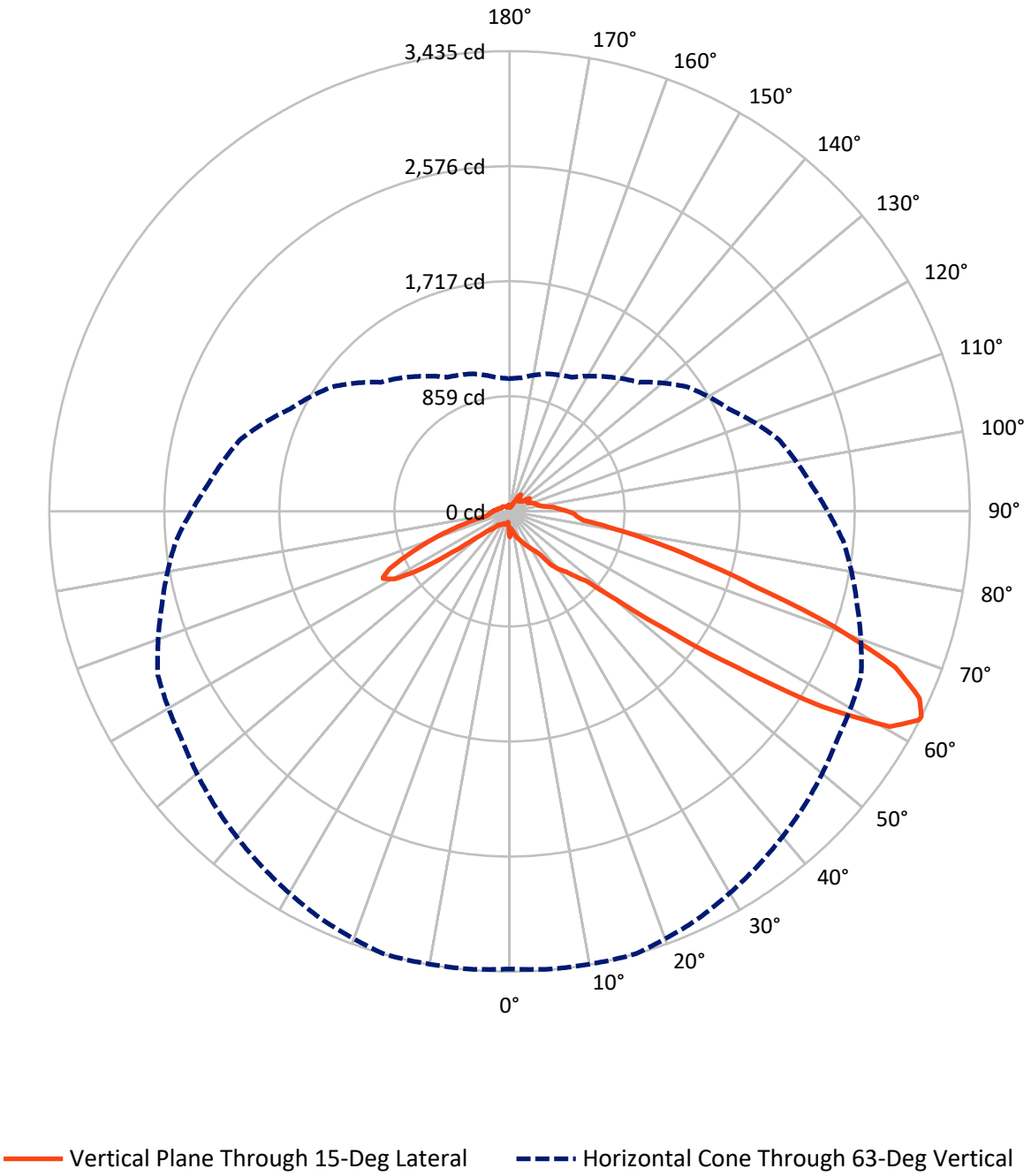
Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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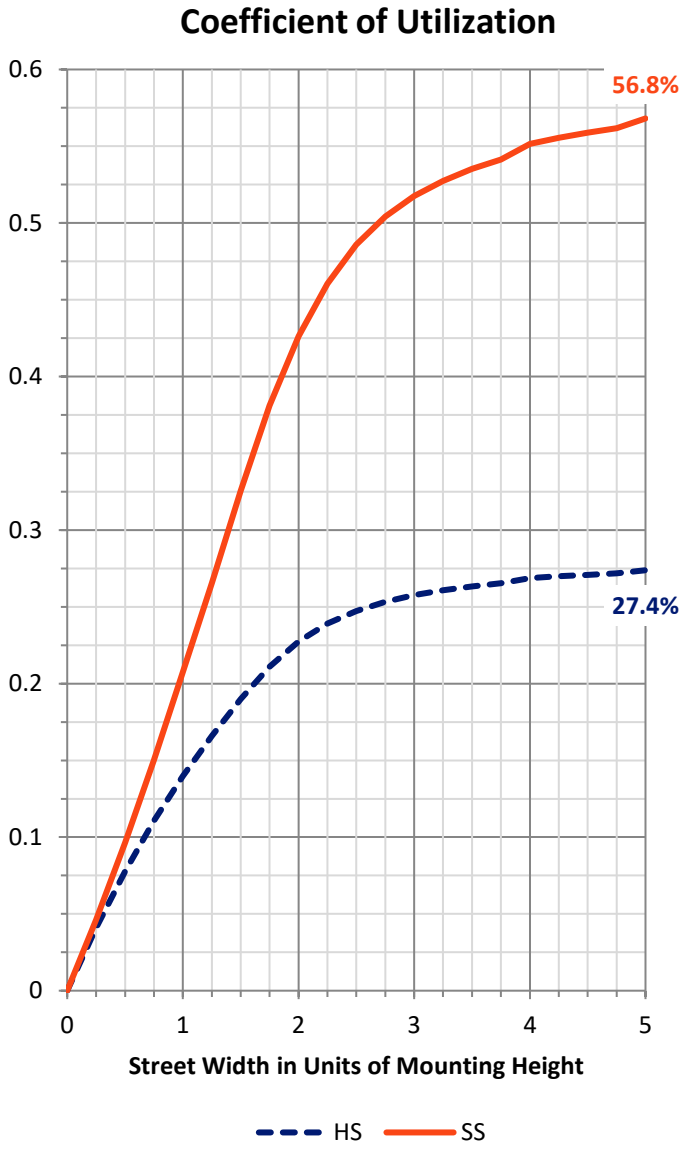
REPORT NUMBER: P1046412
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1830.9	298.3	2129.2
	% Fixture	28.3	4.6	32.9
Street Side	Lumens	3833.6	511.0	4344.5
	% Fixture	59.2	7.9	67.1
Total	Lumens	5664.4	809.3	6473.7
	% Fixture	87.5	12.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.2
10°-20°	42.4	0.7
20°-30°	91.8	1.4
30°-40°	188.8	2.9
40°-50°	389.3	6.0
50°-60°	1280.7	19.8
60°-70°	2120.4	32.8
70°-80°	1112.2	17.2
80°-90°	427.1	6.6
90°-100°	258.0	4.0
100°-110°	162.5	2.5
110°-120°	120.3	1.9
120°-130°	102.4	1.6
130°-140°	66.8	1.0
140°-150°	58.1	0.9
150°-160°	26.6	0.4
160°-170°	10.9	0.2
170°-180°	3.8	0.1
0°-90°	5664.4	87.5
0°-180°	6473.7	100.0



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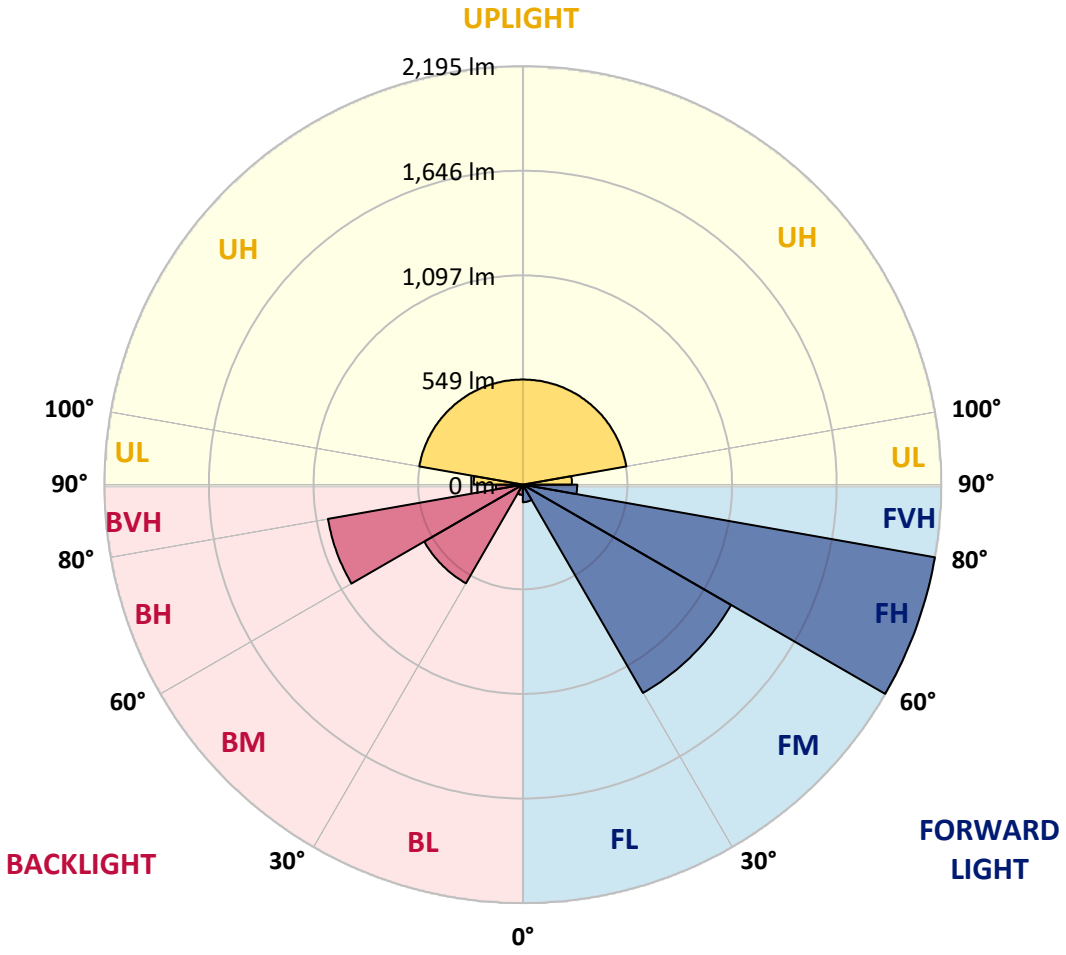
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	92.1	1.4			
FM	(30°-60°)	1261.4	19.5			
FH	(60°-80°)	2194.7	33.9			G2/5000
FVH	(80°-90°)	285.3	4.4			G3/500
BL	(0°-30°)	53.9	0.8	B0/110		
BM	(30°-60°)	597.4	9.2	B1/1000		
BH	(60°-80°)	1037.9	16.0	B3/2500		G3/2500
BVH	(80°-90°)	141.7	2.2			G2/225
UL	(90°-100°)	258.0	4.0		U3/500	
UH	(100°-180°)	551.3	8.5		U4/1000	

BUG Rating: B3-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	16°	25°	35°	45°	55°	65°	75°	85°
0°	191.2	191.2	191.2	191.2	191.2	191.2	191.2	191.2	191.2	191.2	191.2
2.5°	117.7	117.7	134.7	137.7	153.8	158.9	150.0	143.2	159.8	193.7	199.3
5°	127.9	130.4	130.0	129.6	130.4	145.7	161.5	154.2	126.6	100.7	100.7
7.5°	144.9	145.7	145.3	144.9	139.4	130.4	126.6	138.1	145.3	123.6	103.7
10°	156.8	155.9	155.5	155.1	155.9	159.3	158.1	144.0	130.0	122.8	118.5
12.5°	179.3	179.7	178.4	177.6	176.7	175.5	174.2	177.2	169.5	148.7	134.7
15°	196.3	196.3	199.7	198.8	198.8	194.6	188.6	180.1	169.9	164.4	152.1
17.5°	214.1	214.6	214.1	214.1	212.4	206.9	200.5	192.9	182.3	172.9	162.3
20°	231.6	231.6	231.1	230.7	230.3	226.0	218.0	207.8	198.0	189.1	178.0
22.5°	249.8	251.1	252.0	251.1	249.8	245.6	236.7	226.9	217.5	204.8	192.9
25°	275.7	276.2	275.3	274.5	272.8	267.2	260.4	250.3	238.8	225.2	209.5
27.5°	300.4	301.2	300.8	300.8	297.4	292.7	285.9	272.3	259.6	243.9	227.7
30°	328.4	327.6	325.5	325.9	323.8	319.9	312.3	300.4	284.2	265.5	247.7
32.5°	356.0	356.0	353.1	351.8	351.8	346.7	338.2	325.9	310.6	290.6	273.2
35°	386.2	393.9	401.5	404.5	404.5	397.3	387.1	370.9	357.7	336.9	315.3
37.5°	531.1	526.4	507.7	509.8	503.5	500.5	493.7	480.1	461.8	430.0	396.8
40°	582.1	581.2	567.2	565.5	562.5	552.8	545.5	536.2	529.8	491.6	441.9
42.5°	591.0	595.7	614.4	619.0	643.3	628.4	599.5	546.8	533.6	504.8	483.9
45°	691.3	693.0	693.0	693.8	687.4	676.4	672.6	639.0	612.7	571.0	531.9
47.5°	791.1	794.9	780.1	792.0	808.5	786.0	775.8	748.2	712.1	679.8	615.6
50°	1023.1	1038.0	1040.9	1041.4	1048.6	1046.9	1031.6	993.4	957.2	883.3	811.9
52.5°	1452.6	1467.1	1473.5	1458.2	1435.7	1425.5	1429.3	1413.6	1329.9	1250.4	1105.5
55°	2013.5	2038.5	2038.5	2054.7	2047.9	1999.5	1996.5	1893.7	1758.6	1670.2	1544.0
57.5°	2763.8	2726.0	2747.2	2770.2	2723.4	2672.5	2596.4	2488.9	2291.3	2138.8	1956.1
60°	3320.0	3304.7	3262.6	3236.7	3119.9	3018.7	2958.8	2880.2	2730.2	2529.7	2285.4
62.5°	3421.9	3433.0	3430.0	3430.0	3336.5	3215.5	3094.4	2979.2	2886.2	2679.7	2486.4
63°	3415.6	3429.2	3434.7	3433.0	3348.9	3229.5	3109.2	2982.2	2895.9	2685.2	2498.3
65°	3361.2	3372.7	3362.9	3359.5	3306.4	3225.6	3090.5	2964.8	2886.2	2660.6	2500.0
67.5°	3142.8	3140.2	3103.7	3120.3	3086.7	3041.7	2915.5	2791.4	2737.0	2490.6	2342.8
70°	2538.2	2520.4	2560.3	2584.1	2547.5	2529.7	2379.7	2298.1	2228.0	2040.7	1921.3
72.5°	1940.4	1903.4	1910.2	1931.9	1886.0	1873.7	1809.5	1742.4	1708.8	1592.0	1459.4
75°	1521.5	1501.5	1464.5	1470.5	1432.7	1420.4	1413.6	1394.0	1380.8	1283.5	1152.3
77.5°	1137.8	1137.0	1105.9	1101.3	1074.1	1094.5	1086.4	1115.7	1109.3	1032.0	932.2
80°	796.2	791.5	799.6	796.6	790.3	802.2	789.4	805.6	805.6	755.0	712.9
82.5°	519.6	529.0	554.5	560.4	569.8	597.8	552.8	529.0	522.6	517.1	496.7
85°	515.8	518.3	507.3	508.6	504.3	493.7	501.8	505.6	499.2	468.6	423.6
87.5°	486.1	489.5	480.5	483.1	467.4	470.8	475.9	478.8	475.9	448.7	411.3
90°	409.6	413.4	421.5	421.5	422.8	423.6	415.5	420.2	417.2	391.3	364.1
92.5°	363.3	366.7	367.1	367.5	364.1	375.2	362.0	353.9	351.8	331.0	311.4
95°	332.3	328.4	327.6	328.4	326.7	326.3	317.8	311.9	309.3	292.7	273.6
97.5°	260.0	262.1	261.3	263.4	259.2	258.7	251.5	243.9	241.3	227.7	215.0
100°	228.2	227.7	228.6	229.0	226.5	223.5	218.4	212.9	209.9	199.7	187.4
102.5°	214.1	213.7	215.4	215.8	213.7	211.6	207.3	203.9	201.4	192.0	178.4
105°	205.2	203.9	206.1	206.1	201.4	200.1	197.1	196.7	195.0	184.0	170.8
107.5°	192.9	190.8	193.3	192.9	191.2	189.9	187.4	185.7	184.4	175.0	160.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	16°	25°	35°	45°	55°	65°	75°	85°
110°	181.4	178.4	*179.7*	180.6	181.8	181.0	178.9	175.5	172.1	164.4	152.1
112.5°	160.2	161.9	*161.5*	161.5	162.7	163.2	159.3	157.2	155.1	149.1	141.1
115°	152.1	152.1	*152.1*	152.1	148.7	147.4	143.6	141.1	140.6	133.4	128.3
117.5°	145.7	146.6	*148.7*	150.0	154.2	151.7	143.2	137.7	135.5	132.6	127.0
120°	171.6	168.7	*165.7*	165.3	165.7	164.0	162.3	158.5	153.4	145.3	130.0
122.5°	184.0	176.3	*177.6*	177.2	174.2	175.5	175.9	176.3	172.9	160.2	136.4
125°	154.2	152.1	*153.4*	154.7	155.1	154.7	153.8	157.6	153.0	148.7	130.9
127.5°	123.2	122.4	*119.8*	119.4	118.5	119.0	119.0	120.2	116.0	111.7	110.9
130°	117.3	115.6	*116.0*	116.4	116.0	113.4	111.7	109.6	109.2	104.9	99.0
132.5°	106.2	107.1	*114.3*	115.1	120.2	117.3	108.3	102.4	103.2	105.4	103.2
135°	99.4	99.0	*104.5*	104.9	112.6	110.5	103.2	96.4	96.4	101.5	99.4
137.5°	101.5	102.4	*102.8*	103.2	102.8	102.4	102.0	99.0	96.9	96.4	91.3
140°	109.2	108.8	*104.5*	104.9	104.5	104.5	107.1	109.2	102.0	95.6	87.1
142.5°	114.3	115.6	*113.9*	116.0	119.8	116.4	112.2	106.6	102.4	98.1	93.0
145°	155.1	152.1	*150.8*	150.0	147.4	140.2	136.0	130.4	125.3	118.5	110.0
147.5°	140.6	141.5	*138.9*	139.8	136.4	133.8	133.0	133.4	131.7	127.9	119.0
150°	111.7	112.6	*110.0*	108.8	107.5	107.5	107.5	108.3	106.2	103.7	99.4
152.5°	78.2	77.3	*76.5*	76.1	75.2	74.4	74.4	74.8	72.7	71.8	68.4
155°	71.8	71.4	*68.0*	67.1	68.0	68.8	69.3	68.0	66.3	64.6	59.9
157.5°	56.1	54.8	*54.4*	55.2	55.2	54.8	54.0	54.8	53.1	52.7	51.8
160°	45.9	45.5	*45.9*	45.9	46.3	46.3	45.9	45.9	45.0	45.5	45.5
162.5°	39.1	39.1	*39.1*	38.7	39.5	39.9	39.5	39.5	39.9	41.2	42.1
165°	33.6	33.6	*34.0*	34.0	34.4	34.4	34.8	35.3	36.1	39.1	41.6
167.5°	31.4	31.4	*31.9*	31.9	32.3	32.7	33.6	35.3	37.8	41.2	42.5
170°	31.0	31.0	*31.0*	31.0	31.4	31.9	33.6	36.1	39.1	41.2	39.9
172.5°	32.3	32.3	*32.7*	32.7	32.7	34.4	35.7	37.8	39.5	39.9	38.7
175°	33.6	33.1	*33.6*	33.6	34.0	35.3	37.0	37.8	38.7	39.1	39.5
177.5°	32.7	32.7	*32.7*	33.1	33.1	33.6	34.4	34.8	35.7	36.5	37.8
180°	31.9	31.9	*31.9*	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	191.2	191.2	191.2	191.2	191.2	191.2	191.2	191.2	191.2	191.2	191.2
2.5°	199.3	193.7	150.8	129.2	147.4	183.1	186.5	161.5	125.3	87.1	79.5
5°	106.2	112.2	125.3	124.9	116.4	108.8	99.4	93.5	103.2	99.0	101.5
7.5°	96.0	90.5	92.6	108.3	105.8	80.3	72.7	71.0	79.5	99.0	96.9
10°	116.8	115.1	108.8	96.0	91.8	95.2	98.1	96.0	88.4	76.9	75.2
12.5°	132.1	130.0	130.9	138.9	129.2	107.1	94.7	90.9	95.2	112.2	115.6
15°	147.0	143.2	137.7	126.2	116.8	110.9	103.7	96.0	98.6	93.9	92.2
17.5°	157.2	151.3	139.8	131.3	121.9	114.3	107.9	99.8	94.3	93.0	93.5
20°	170.8	164.4	152.1	142.3	130.9	120.7	109.6	101.1	95.6	93.5	93.5
22.5°	186.5	178.9	164.9	151.3	138.5	125.3	112.2	102.8	97.7	95.6	94.7
25°	203.1	195.4	178.0	163.6	147.4	133.0	119.4	107.5	102.0	99.4	97.3
27.5°	220.1	210.7	193.3	175.5	158.1	141.1	126.6	114.3	106.6	102.4	102.8
30°	238.8	231.1	211.6	191.2	169.5	149.6	135.5	121.5	112.2	107.5	107.9
32.5°	263.8	251.5	228.2	204.8	183.5	161.5	143.6	127.5	117.3	114.3	114.7
35°	305.5	289.8	261.3	229.4	201.0	175.0	152.5	133.4	121.5	116.8	116.4
37.5°	380.7	359.4	326.7	289.3	248.1	206.1	169.5	140.2	125.3	117.7	116.4
40°	417.2	388.3	347.1	314.8	286.8	250.7	209.0	164.9	131.7	121.9	120.7
42.5°	466.1	441.9	388.3	325.5	288.1	257.9	228.6	200.1	158.9	133.4	128.7
45°	513.2	491.6	449.5	387.9	332.3	285.1	241.3	210.3	184.8	158.9	156.8
47.5°	592.7	569.8	499.7	444.8	386.2	332.7	286.8	235.8	202.7	184.4	184.4
50°	792.0	749.9	680.6	596.5	502.2	415.5	350.5	288.1	248.1	220.5	219.2
52.5°	1070.3	1010.8	908.8	815.8	704.4	604.2	503.1	394.3	336.1	296.1	295.7
55°	1472.2	1411.4	1275.0	1096.2	959.8	840.0	735.0	615.6	523.9	459.3	454.2
57.5°	1900.9	1849.9	1711.0	1488.8	1273.8	1061.8	934.7	839.6	795.4	750.3	741.0
60°	2178.8	2091.2	1964.6	1752.6	1544.4	1274.2	1116.6	1007.4	992.5	982.7	970.4
62.5°	2353.8	2250.6	2062.3	1808.3	1617.1	1361.3	1220.2	1103.8	1069.0	1016.7	1001.9
63°	*2373.8*	*2261.6*	*2078.1*	*1807.0*	*1619.2*	*1362.6*	*1227.9*	*1103.8*	*1063.0*	*1000.2*	*990.4*
65°	2364.4	2260.3	2077.2	1780.6	1569.9	1337.5	1205.8	1053.3	988.3	905.0	888.4
67.5°	2221.7	2110.8	1938.3	1646.8	1456.5	1219.4	1074.5	912.6	814.1	732.5	713.4
70°	1808.7	1739.9	1588.2	1336.2	1191.8	1007.0	879.9	752.9	646.2	560.4	538.7
72.5°	1378.3	1306.1	1192.2	1028.6	922.0	794.9	674.7	577.0	489.0	432.1	433.8
75°	1093.6	1024.8	930.9	823.4	736.3	623.3	504.3	407.5	345.0	311.0	308.0
77.5°	880.8	833.2	751.2	652.2	577.0	458.9	353.1	268.5	222.2	202.7	197.1
80°	678.9	645.8	584.6	497.5	419.4	322.5	240.5	189.9	165.3	148.7	145.7
82.5°	483.1	463.1	412.1	351.4	298.3	247.7	210.7	177.6	152.1	138.1	133.8
85°	403.2	384.5	352.2	314.4	280.4	243.5	204.4	169.1	145.3	134.3	128.7
87.5°	391.3	373.9	342.9	302.5	265.5	225.6	186.1	153.0	136.0	125.3	121.9
90°	350.5	337.4	310.2	273.2	236.2	195.4	161.0	137.7	124.5	116.0	112.2
92.5°	302.1	290.6	268.1	237.1	206.1	176.7	150.4	130.9	117.7	109.2	106.2
95°	262.6	255.3	236.7	210.3	187.8	163.6	141.1	122.4	108.8	101.1	98.1
97.5°	209.5	201.0	187.4	169.1	152.1	135.1	118.5	105.8	96.0	90.9	88.4
100°	182.3	176.7	164.4	150.0	135.5	120.7	107.9	98.1	91.8	87.5	85.4
102.5°	171.6	167.8	156.4	141.9	128.3	113.9	101.1	92.2	87.5	83.7	82.0
105°	161.9	158.9	150.0	136.8	123.6	107.9	93.5	85.8	81.6	79.0	77.8
107.5°	151.7	148.3	139.8	127.0	115.6	102.0	89.2	79.9	74.4	71.4	71.0

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

Scaled Data Report

REPORT NUMBER: P1046412
CATALOG NUMBER: FFX-CLB-50-722-U-FR-T4-UPLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	143.2	140.6	131.3	121.1	110.0	97.3	86.2	76.5	70.1	66.7	66.3
112.5°	134.3	131.3	121.9	112.2	102.8	91.8	82.0	73.5	67.6	64.2	63.7
115°	122.4	119.8	113.0	103.7	96.0	85.4	77.3	69.7	65.0	61.6	61.2
117.5°	123.6	116.4	107.1	98.6	91.8	84.1	76.9	71.0	63.7	59.9	59.9
120°	125.3	118.5	109.2	102.0	98.1	92.2	81.2	72.7	62.9	59.1	58.6
122.5°	123.6	124.5	119.4	112.2	104.5	94.3	80.7	71.4	61.6	58.6	59.1
125°	119.8	123.6	116.4	106.6	96.4	86.7	75.2	66.7	60.8	58.6	58.2
127.5°	108.3	107.5	98.1	90.9	83.7	75.6	68.4	63.3	59.1	56.5	55.2
130°	95.6	95.2	91.3	85.4	78.2	71.0	64.6	61.2	56.9	53.5	52.7
132.5°	100.7	99.4	91.3	81.6	73.5	67.6	63.3	59.5	53.5	49.7	49.3
135°	95.2	94.3	86.2	76.5	69.3	66.3	63.3	57.8	50.6	47.6	47.2
137.5°	87.1	83.7	76.9	71.0	67.6	66.7	62.9	56.5	49.7	46.3	45.9
140°	82.9	80.3	75.2	71.4	67.6	62.9	57.4	51.4	46.7	44.2	43.8
142.5°	87.9	87.1	79.5	72.7	66.7	61.2	55.2	51.4	46.3	42.9	42.5
145°	104.1	99.8	90.5	81.2	76.1	68.8	61.2	53.1	43.8	38.7	37.4
147.5°	113.9	110.0	100.7	90.5	79.5	68.0	56.1	45.9	38.7	34.8	34.0
150°	94.3	92.6	86.7	77.3	68.0	57.4	47.6	40.4	35.7	33.1	33.1
152.5°	66.3	65.9	63.3	57.8	51.8	45.9	40.8	36.5	34.0	32.3	32.3
155°	58.6	57.8	56.1	51.0	46.7	41.6	37.8	35.3	33.6	32.3	32.3
157.5°	50.6	49.7	49.3	45.5	42.1	38.7	35.7	33.6	32.3	31.4	31.0
160°	45.0	43.8	42.5	40.4	38.2	36.5	35.3	33.6	32.3	31.4	31.4
162.5°	42.1	41.2	39.1	37.4	36.5	36.5	37.0	36.1	33.6	32.3	31.9
165°	42.1	40.8	37.8	36.1	36.1	38.2	40.4	38.7	36.5	34.0	33.6
167.5°	42.5	41.6	38.7	37.4	38.7	41.2	43.3	42.9	39.9	37.8	37.8
170°	39.5	39.1	39.5	40.8	42.1	42.5	43.3	42.9	43.8	46.7	46.7
172.5°	38.2	38.7	40.8	42.9	45.5	45.5	43.3	42.9	46.7	51.0	51.8
175°	39.9	40.8	42.9	45.5	47.6	47.6	45.5	45.9	49.7	53.5	54.4
177.5°	38.2	38.7	39.5	39.1	39.9	37.8	38.7	37.8	39.1	39.1	39.1
180°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9

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

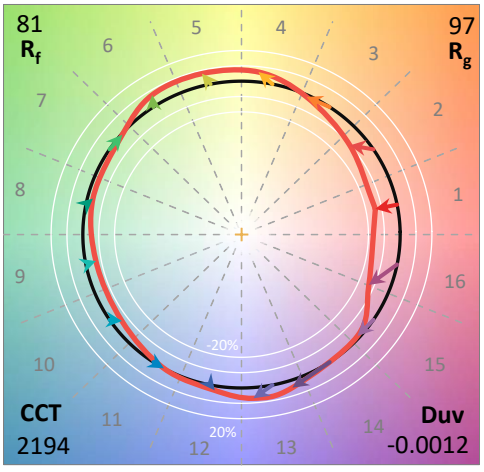
Test Information

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

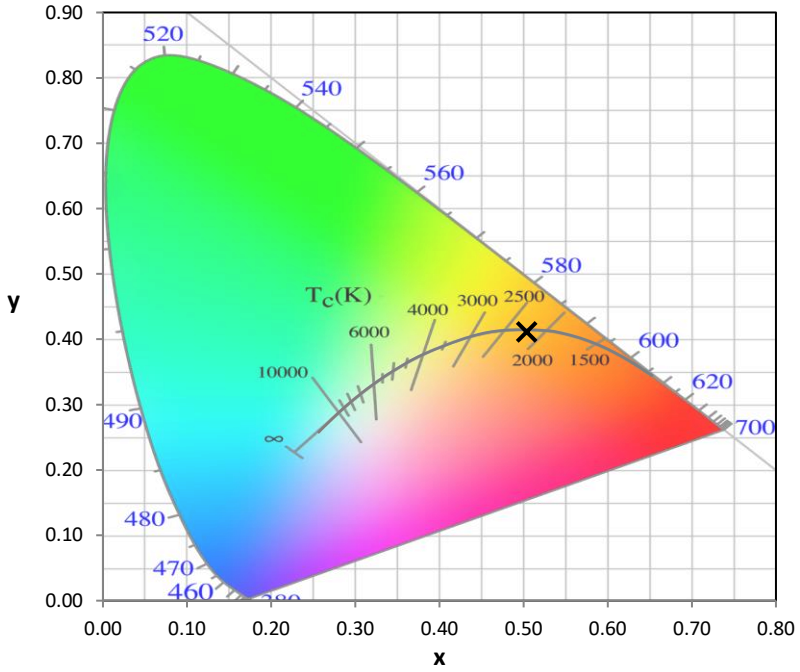
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

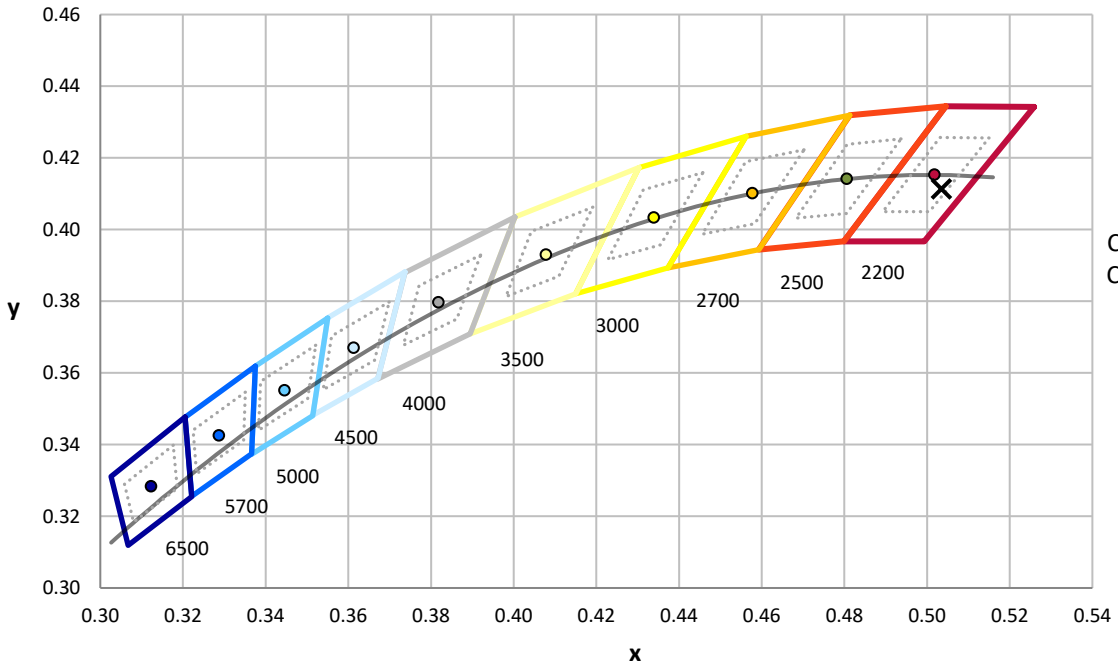
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

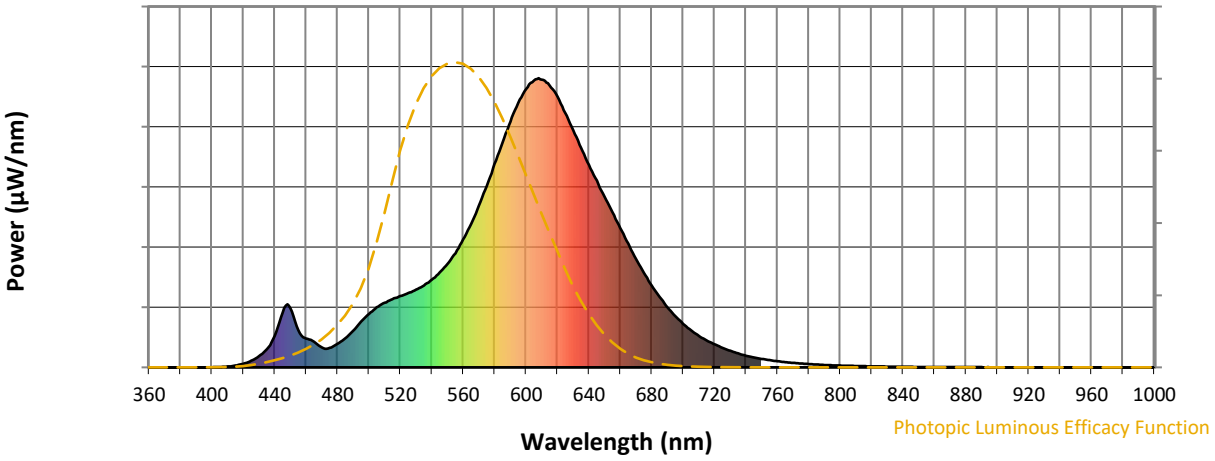


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

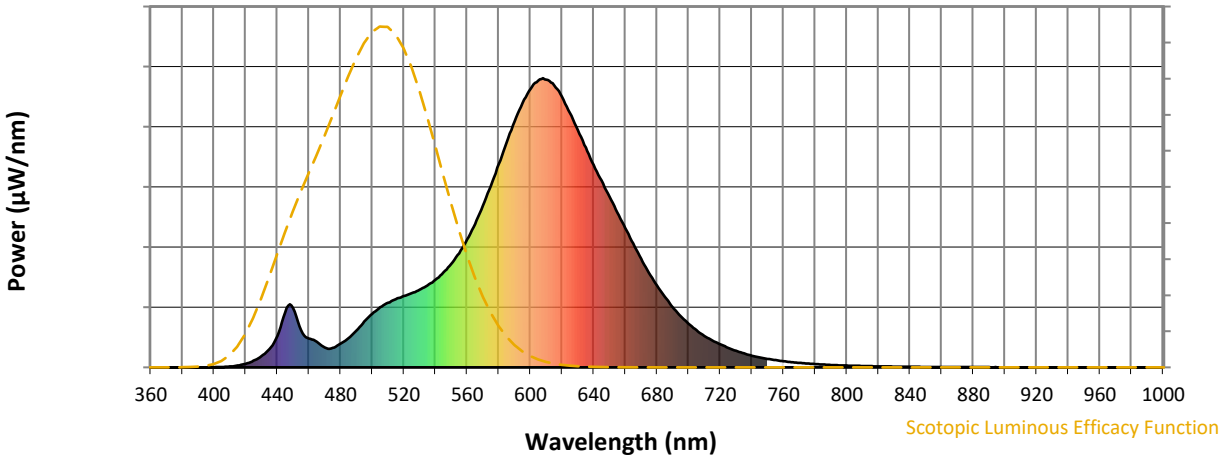


Photopic Lumens: NR

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

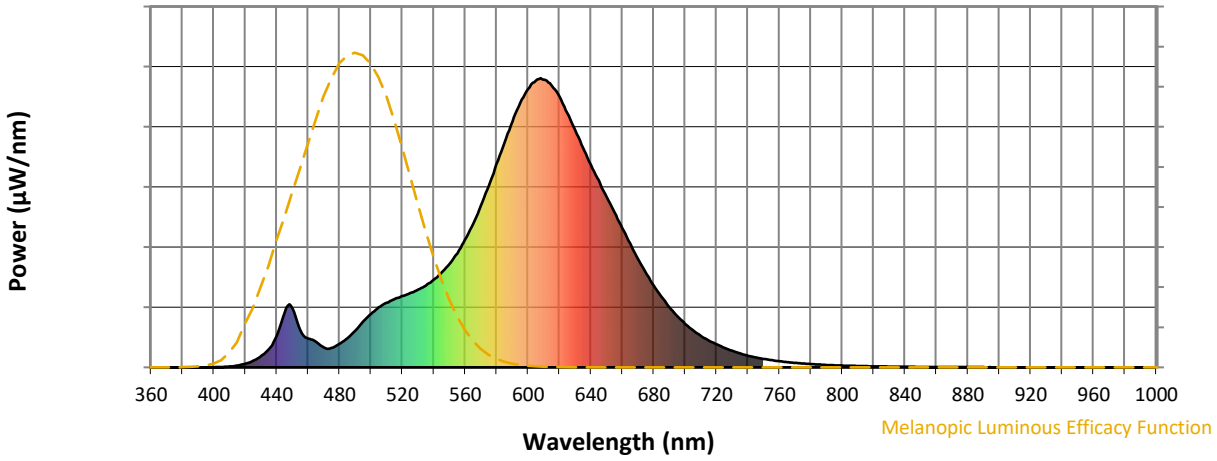


Scotopic Lumens: NR **S/P: 0.96**

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			

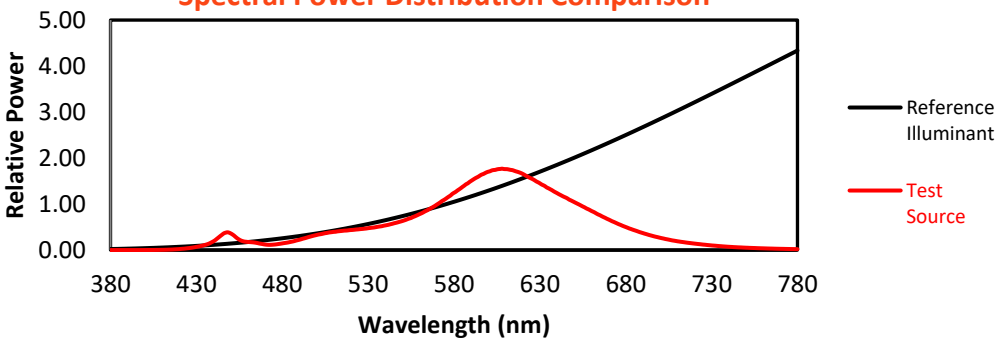
REPORT NUMBER: SP1-2501-332-7

TM-30-18

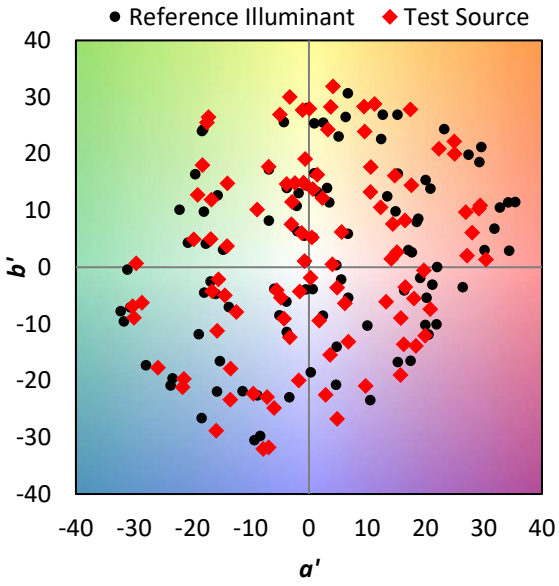
Summary

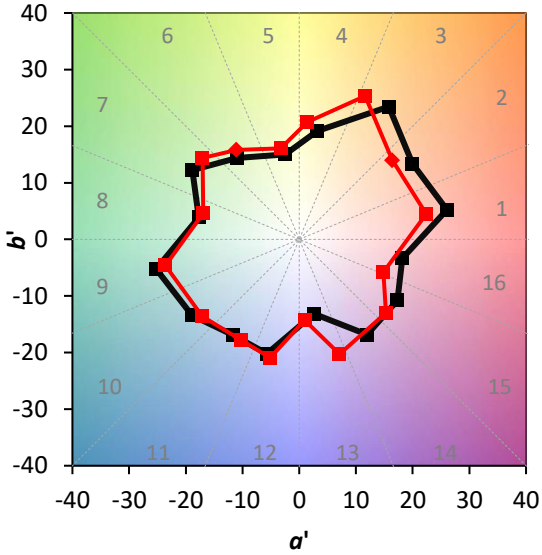
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

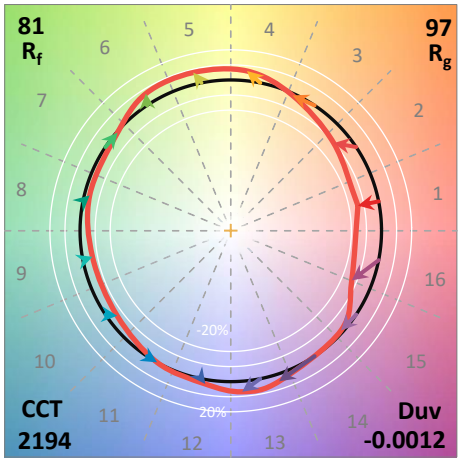
Spectral Power Distribution Comparison

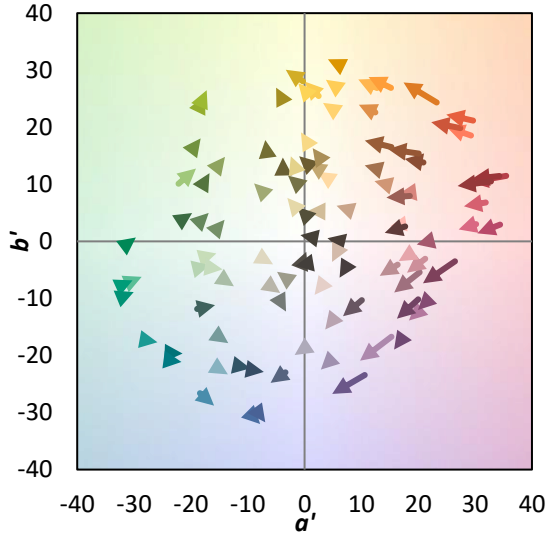


Color Vector Graphics







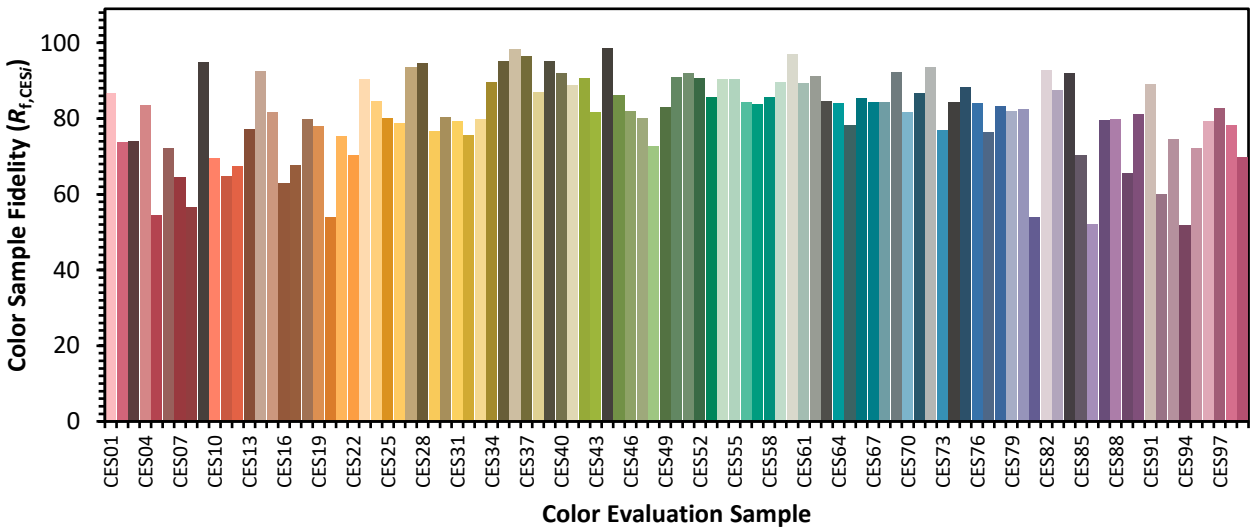


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

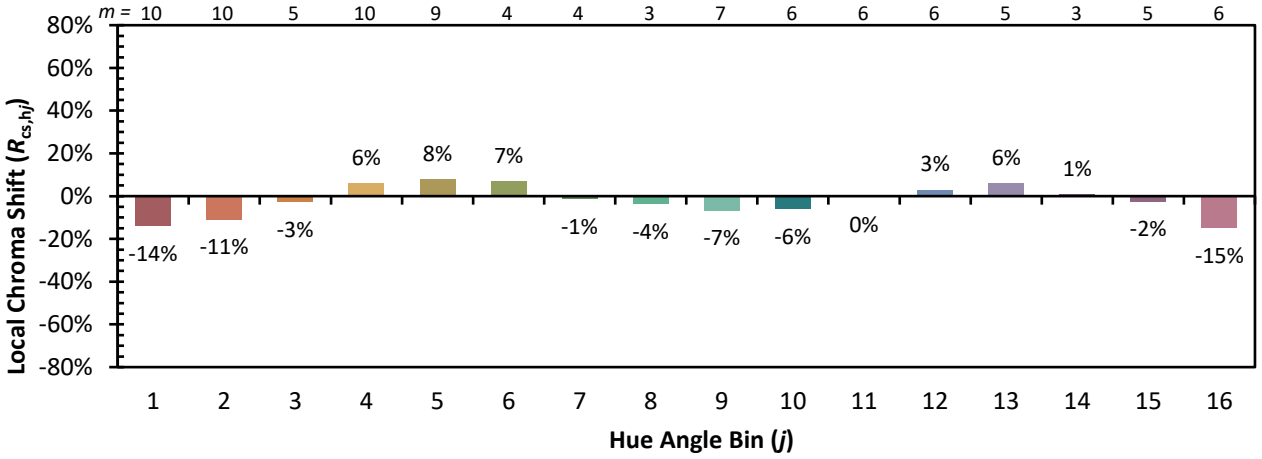
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57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

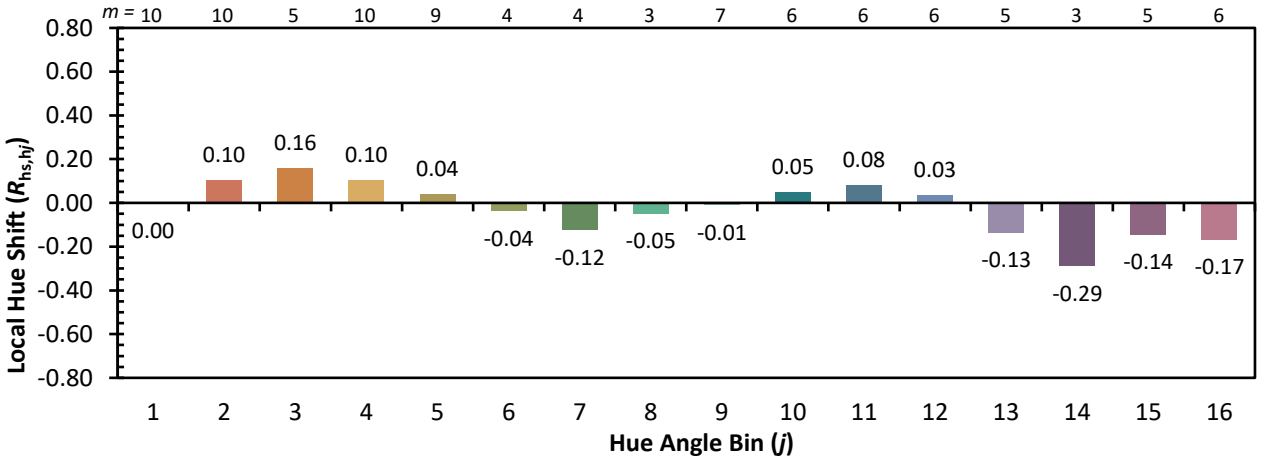


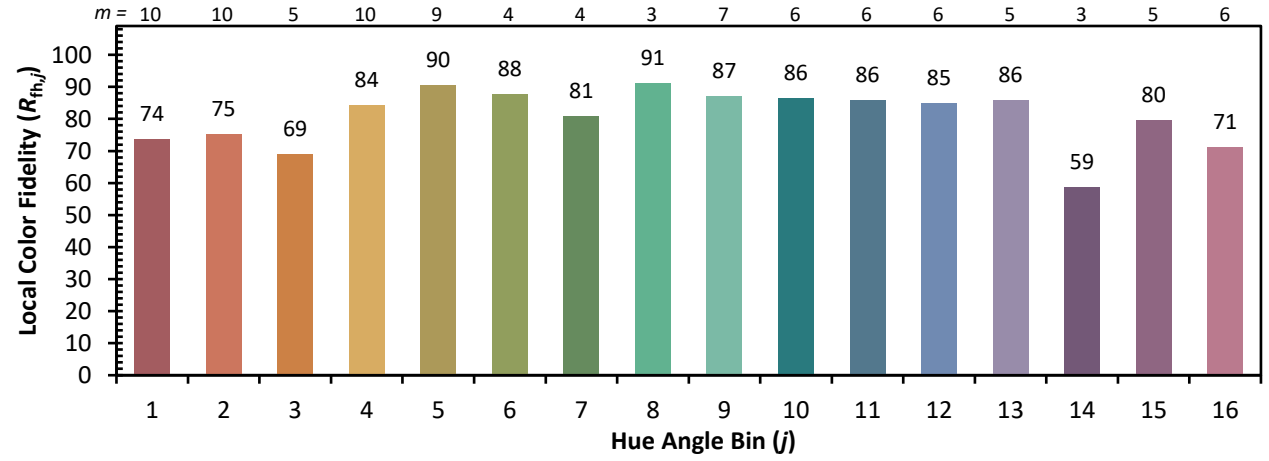
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Color Rendition by Hue-Angle Bin



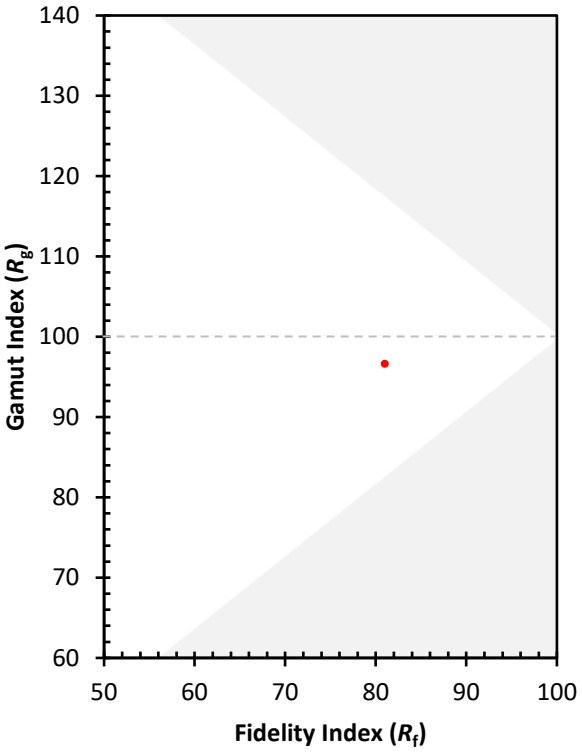


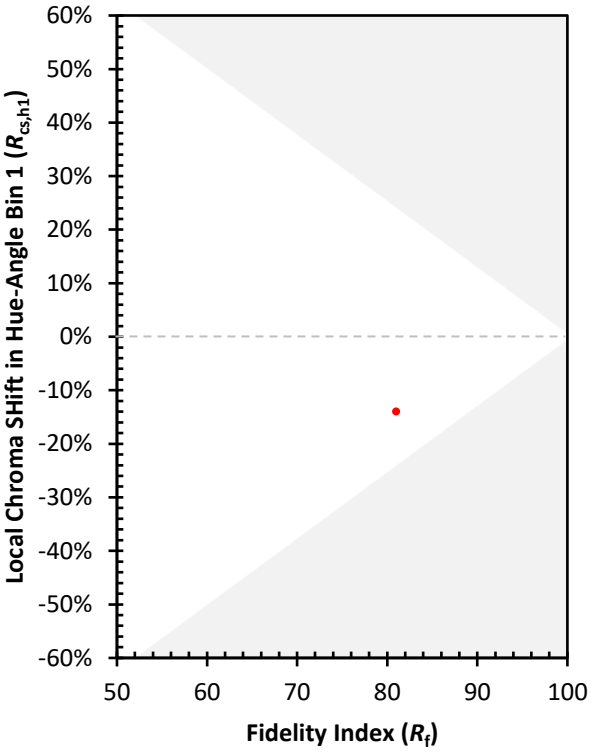


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Measure Comparisons





(END OF REPORT)