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: P981411

Luminaire Tested: **FFX-CLB-50-722-U-FR-T3**

Issue Date: 04/15/2025

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981411
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-722-U-FR-T3
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6599.3 lumens
Efficiency:	N/A
Efficacy:	130.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U4 - G3

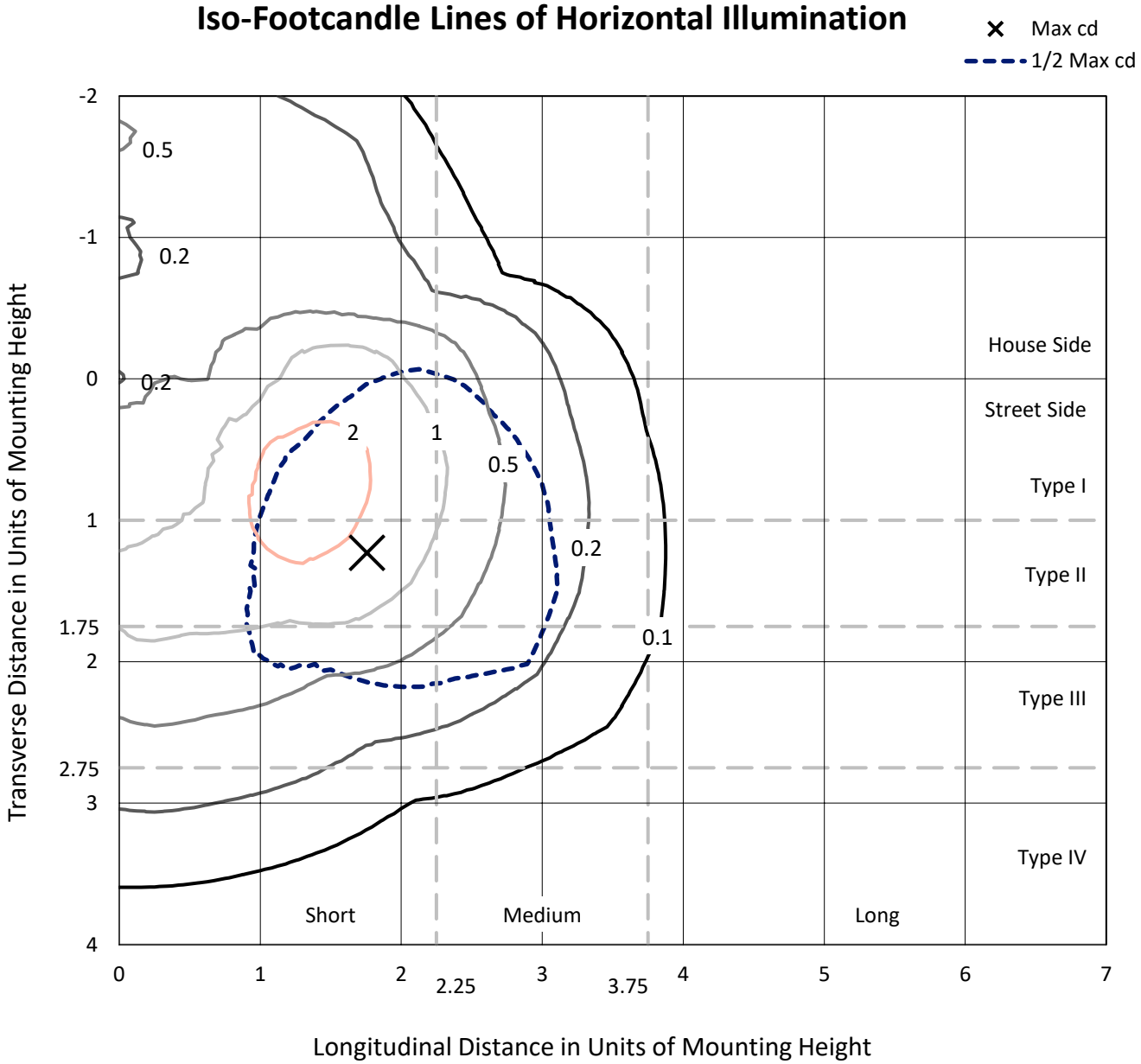
Input Watts (W):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



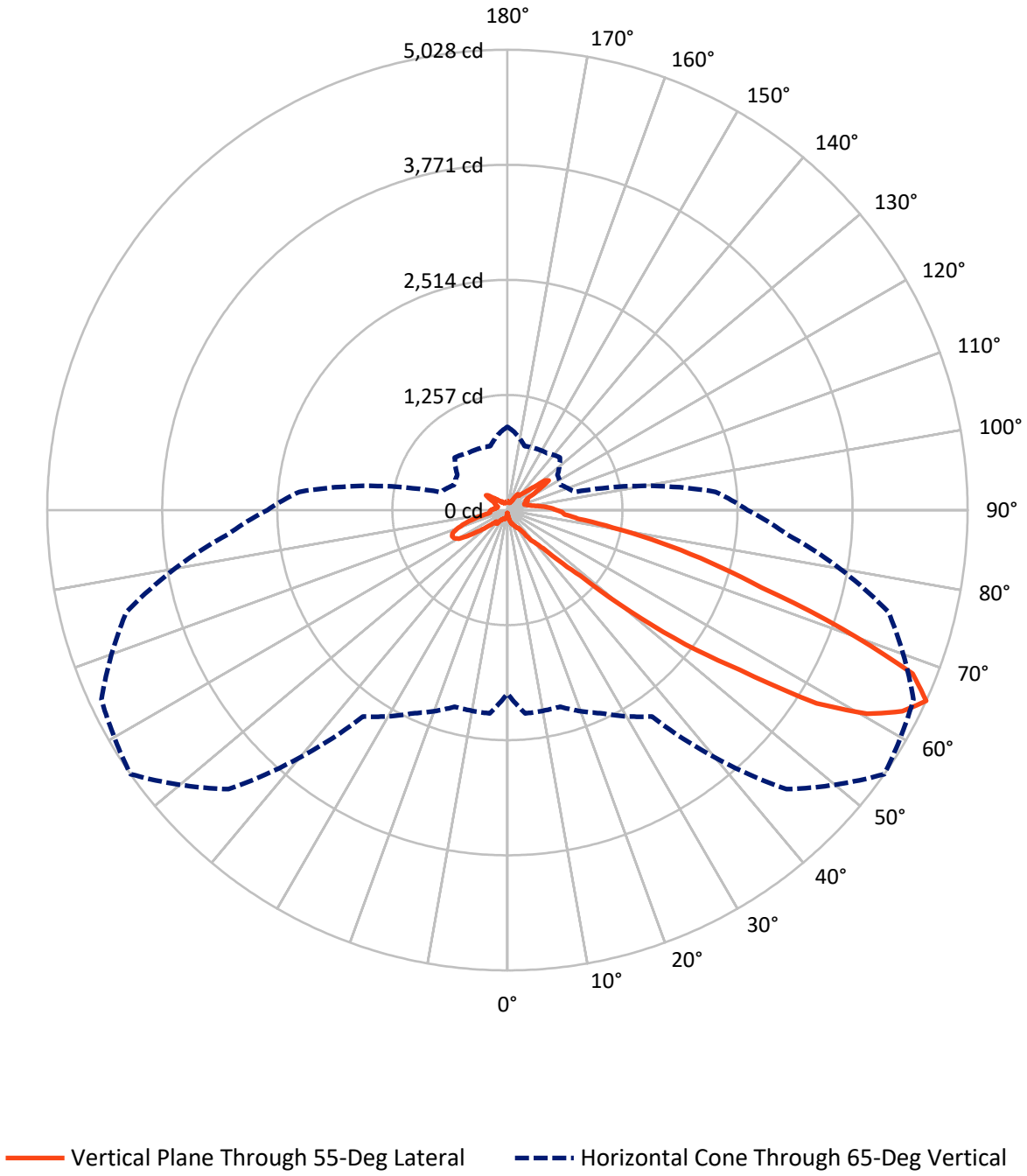
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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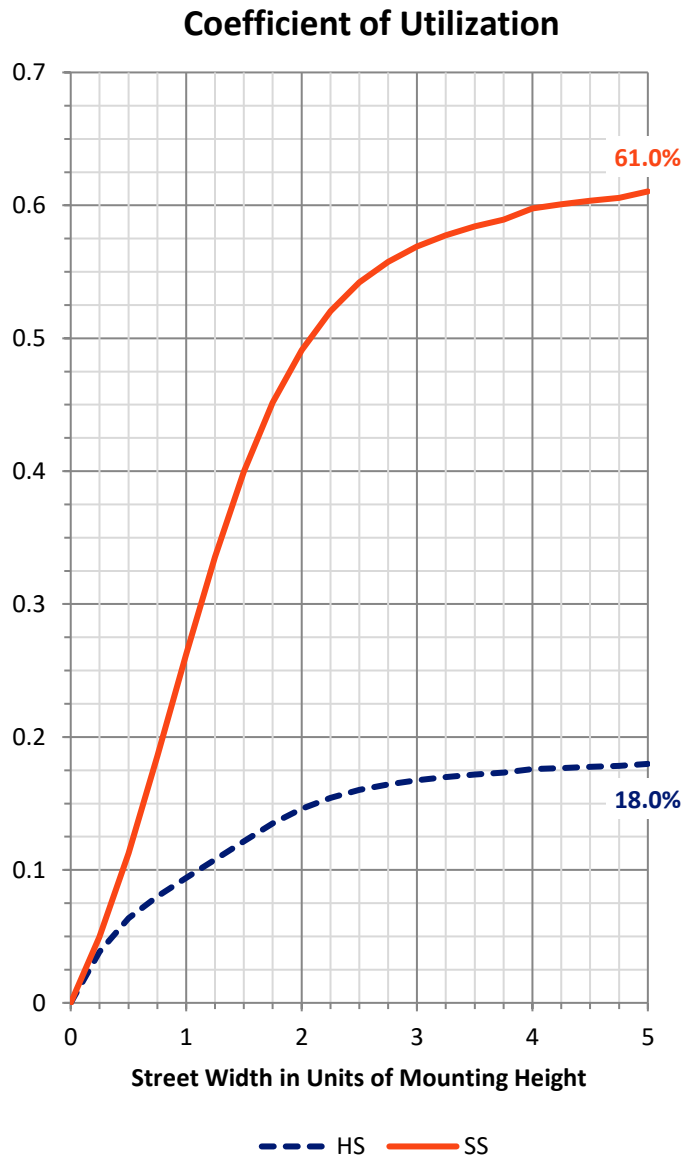
REPORT NUMBER: P981411
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1237.0	443.2	1680.1
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	4158.9	760.2	4919.1
	% Fixture	63.0	11.5	74.5
Total	Lumens	5395.9	1203.4	6599.3
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.1
10°-20°	33.5	0.5
20°-30°	68.9	1.0
30°-40°	144.3	2.2
40°-50°	381.0	5.8
50°-60°	1267.8	19.2
60°-70°	2045.0	31.0
70°-80°	1072.8	16.3
80°-90°	376.4	5.7
90°-100°	243.0	3.7
100°-110°	157.6	2.4
110°-120°	172.9	2.6
120°-130°	290.7	4.4
130°-140°	170.3	2.6
140°-150°	91.1	1.4
150°-160°	45.3	0.7
160°-170°	23.8	0.4
170°-180°	8.6	0.1
0°-90°	5395.9	81.8
0°-180°	6599.3	100.0



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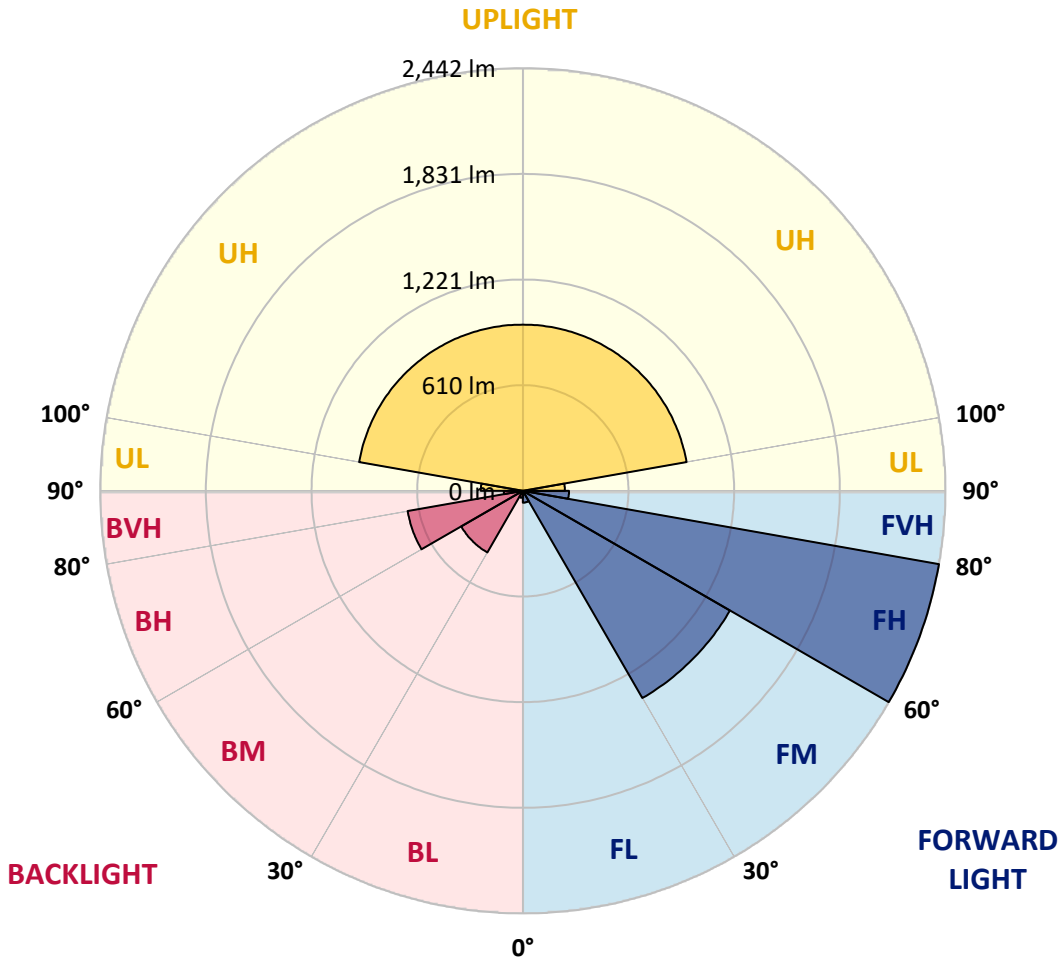
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	68.5	1.0			
FM	(30°-60°)	1382.1	20.9			
FH	(60°-80°)	2441.9	37.0			G2/5000
FVH	(80°-90°)	266.5	4.0			G3/500
BL	(0°-30°)	40.1	0.6	B0/110		
BM	(30°-60°)	411.0	6.2	B1/1000		
BH	(60°-80°)	675.9	10.2	B2/1000		G2/1000
BVH	(80°-90°)	109.9	1.7			G2/225
UL	(90°-100°)	243.0	3.7		U3/500	
UH	(100°-180°)	960.4	14.6		U4/1000	

BUG Rating: B2-U4-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	37.4	37.4	37.4	37.4	37.4	37.4	*37.4*	37.4	37.4	37.4	37.4
2.5°	37.4	38.2	40.4	41.3	41.7	40.8	*39.1*	40.8	40.8	40.8	40.4
5°	54.3	54.3	54.3	55.6	56.1	56.9	*56.1*	53.9	52.1	50.4	50.0
7.5°	76.0	76.9	77.4	77.4	77.4	79.1	*80.8*	76.9	73.4	70.0	69.1
10°	109.1	106.9	104.7	105.6	103.9	100.4	*102.1*	99.1	91.3	88.6	88.6
12.5°	139.5	139.1	139.9	135.1	132.5	125.2	*126.0*	124.3	118.6	109.5	106.5
15°	156.4	157.7	157.3	159.0	155.1	144.7	*142.1*	143.0	137.8	129.1	124.7
17.5°	165.1	165.1	165.6	167.7	167.7	157.7	*153.4*	151.2	146.9	139.5	133.8
20°	169.5	169.5	169.0	172.1	178.2	172.5	*166.4*	163.0	159.0	147.3	138.6
22.5°	181.6	180.8	179.5	180.3	189.5	187.7	*182.9*	177.7	172.1	154.3	143.4
25°	194.2	194.7	190.8	192.1	201.2	203.8	*199.9*	194.7	188.2	161.2	150.4
27.5°	208.6	208.2	202.9	204.7	209.5	219.0	*214.2*	211.6	200.8	166.9	156.4
30°	221.6	219.5	214.2	218.6	218.6	233.8	*229.4*	230.8	217.3	177.3	166.0
32.5°	231.2	230.8	227.7	233.4	230.3	249.9	*248.6*	259.4	239.4	197.7	187.3
35°	252.9	253.3	265.9	276.8	271.6	300.3	*306.4*	320.3	295.9	248.6	237.3
37.5°	409.4	404.1	386.8	366.8	369.4	422.8	*415.4*	422.8	385.5	317.2	299.4
40°	431.1	432.4	412.4	397.2	395.0	463.2	*474.5*	534.5	456.3	380.2	345.0
42.5°	419.8	424.1	478.9	498.4	481.1	568.0	*571.4*	687.0	532.3	468.9	422.4
45°	532.3	533.2	544.5	557.1	559.3	775.7	*787.9*	915.6	677.0	590.6	511.9
47.5°	605.8	612.7	628.4	714.4	760.0	991.7	*1072.9*	1275.9	901.7	805.2	650.1
50°	856.5	875.6	953.0	1026.9	1098.1	1470.5	*1743.9*	1985.9	1354.5	1180.3	944.7
52.5°	1043.8	1112.5	1198.9	1377.1	1452.3	2009.8	*2439.2*	2589.1	1897.3	1599.6	1287.2
55°	1206.3	1332.4	1425.8	1717.4	1860.3	2620.4	*3078.4*	3100.1	2546.1	1952.5	1650.5
57.5°	1540.9	1724.8	1785.6	2035.0	2234.1	3347.4	*3983.6*	3876.7	3208.3	2354.4	2038.1
60°	1856.0	2067.6	2045.0	2274.9	2538.3	3972.7	*4519.4*	4465.1	3828.9	2735.1	2377.0
62.5°	1958.6	2173.2	2154.1	2395.7	2749.9	4264.3	*4841.0*	4751.0	4195.2	2973.2	2547.4
65°	*2003.3*	*2229.7*	*2224.5*	*2450.5*	*2752.5*	*4310.8*	*5028.3*	*4894.4*	*4310.4*	*3069.3*	*2622.1*
67.5°	1965.1	2180.6	2178.4	2386.6	2551.7	3973.6	*4774.9*	4577.6	4026.6	2843.3	2460.9
70°	1695.6	1845.6	1836.4	1964.2	2050.7	3158.4	*3875.0*	3725.9	3249.6	2336.6	2038.5
72.5°	1382.8	1427.1	1446.2	1519.2	1542.2	2311.4	*2905.9*	2787.3	2423.1	1750.0	1545.7
75°	1104.2	1106.4	1126.4	1152.0	1144.2	1700.4	*2288.8*	2215.4	1786.9	1305.4	1172.4
77.5°	730.9	725.3	813.1	823.5	773.5	1083.4	*1709.1*	1657.4	1278.9	951.2	857.4
80°	419.3	421.1	481.1	518.9	498.9	688.3	*1171.1*	1159.8	878.2	665.7	588.8
82.5°	312.9	327.7	359.8	379.8	372.0	517.6	*779.2*	800.5	624.0	478.9	437.6
85°	348.5	356.8	360.2	361.6	352.0	484.1	*629.2*	627.9	524.5	402.0	388.1
87.5°	339.4	346.3	349.4	351.1	341.6	462.8	*594.5*	585.8	503.2	386.3	365.9
90°	285.5	301.6	301.1	316.4	305.5	406.7	*521.5*	515.8	456.7	355.9	332.0
92.5°	239.4	248.6	254.7	275.5	265.9	358.1	*468.9*	455.9	408.9	323.7	298.1
95°	223.8	232.1	236.8	248.6	236.8	309.4	*395.0*	383.3	339.4	269.9	245.1
97.5°	188.6	191.2	195.6	203.4	195.6	250.7	*319.8*	308.5	272.5	220.3	202.9
100°	159.9	162.5	168.2	173.8	169.9	214.7	*267.7*	261.6	234.2	191.6	179.9
102.5°	151.2	153.0	160.4	163.8	159.0	197.3	*236.4*	236.4	212.1	176.9	167.3
105°	144.3	146.4	152.1	153.4	149.9	181.6	*218.1*	216.0	196.9	165.6	156.4
107.5°	137.3	139.9	144.7	142.5	140.8	167.3	*196.0*	199.5	182.9	157.3	151.2
110°	144.7	145.6	149.5	146.0	149.1	166.4	*196.9*	197.7	192.9	171.7	165.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	196.9	192.1	200.3	187.3	197.3	209.5	*228.6*	235.5	229.9	205.5	199.9
115°	215.5	219.0	227.7	214.7	221.2	236.0	*245.1*	246.4	239.9	224.2	222.1
117.5°	168.2	185.6	176.4	184.3	186.9	207.3	*228.1*	234.2	228.1	206.4	219.9
120°	215.1	229.0	197.7	188.2	201.2	236.8	*256.0*	261.2	244.7	245.1	253.3
122.5°	356.8	364.6	384.1	394.1	378.9	400.7	*407.2*	412.0	386.8	357.2	342.4
125°	541.5	535.8	533.2	530.6	526.7	549.7	*554.1*	541.9	516.7	475.4	452.4
127.5°	489.7	494.5	501.9	501.0	497.6	515.4	*526.2*	518.9	511.9	472.4	458.9
130°	352.4	354.6	367.6	391.1	388.5	402.8	*404.1*	411.5	423.3	405.9	392.0
132.5°	292.0	294.2	313.8	324.2	325.0	325.5	*319.4*	336.3	348.5	331.1	319.4
135°	254.7	254.7	259.0	255.1	256.4	267.7	*272.9*	288.1	291.2	282.9	271.2
137.5°	225.1	226.0	216.8	209.5	210.8	231.2	*242.9*	254.7	248.6	231.6	223.4
140°	196.0	191.2	178.6	176.4	186.0	205.5	*212.5*	220.8	222.5	200.8	189.9
142.5°	144.3	142.5	148.2	159.9	165.1	197.7	*192.5*	208.2	209.0	172.5	154.7
145°	161.2	160.8	160.4	162.5	174.7	222.1	*209.5*	229.4	239.0	183.4	149.9
147.5°	182.1	181.6	177.7	173.0	191.2	202.9	*191.6*	209.0	219.5	182.1	145.1
150°	140.8	141.7	139.5	138.2	158.2	156.0	*153.4*	158.2	162.5	150.8	132.1
152.5°	109.5	107.8	106.5	106.9	123.4	120.8	*120.8*	124.3	124.7	120.4	110.8
155°	98.6	98.2	97.3	99.1	109.1	106.5	*104.3*	103.4	101.3	99.9	98.6
157.5°	92.6	91.7	91.7	94.3	101.3	96.9	*96.0*	95.2	93.9	93.9	94.3
160°	86.5	86.0	86.0	90.0	92.1	88.2	*87.3*	86.9	86.5	87.3	88.2
162.5°	83.0	83.0	83.0	85.6	85.6	83.0	*82.1*	81.7	82.1	85.2	85.6
165°	81.7	81.3	81.7	83.0	82.6	80.8	*80.4*	80.4	81.7	84.3	84.7
167.5°	83.9	83.9	83.9	84.3	83.9	82.1	*81.7*	81.7	83.0	85.2	85.2
170°	87.3	86.9	86.9	86.9	86.5	84.7	*83.9*	84.3	84.7	86.0	86.0
172.5°	90.4	90.4	90.0	89.5	88.6	87.8	*86.9*	86.9	86.9	87.3	87.3
175°	93.9	93.9	93.9	93.4	93.4	92.1	*91.7*	91.3	90.8	90.4	90.0
177.5°	97.8	97.3	97.3	97.3	97.3	96.0	*95.2*	94.7	93.9	93.4	93.4
180°	96.0	96.0	96.0	96.0	96.0	96.0	*96.0*	96.0	96.0	96.0	96.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2.5°	40.4	39.1	36.9	33.0	31.7	30.4	29.1	26.5	25.2	24.3
5°	49.5	47.8	47.4	45.2	42.2	39.5	39.1	38.2	37.8	36.5
7.5°	70.8	71.7	73.9	70.0	61.3	56.5	57.8	62.6	60.8	60.4
10°	89.1	94.7	99.1	89.1	73.4	63.4	63.9	73.4	74.3	76.0
12.5°	104.3	109.1	108.2	95.6	80.8	71.3	68.2	73.4	78.2	78.7
15°	120.8	112.6	109.5	99.1	88.6	81.3	80.0	81.3	81.3	80.4
17.5°	127.8	113.4	104.7	96.0	88.6	83.4	81.7	79.5	76.5	76.5
20°	129.5	116.9	106.9	97.8	90.4	84.7	80.0	77.4	76.5	76.5
22.5°	134.7	123.4	113.0	102.1	94.3	86.9	81.3	78.7	78.7	79.1
25°	142.1	131.7	118.6	107.3	99.1	91.3	83.9	80.0	79.5	80.0
27.5°	151.2	140.4	126.0	113.9	104.3	95.6	86.5	81.7	80.0	80.0
30°	161.7	149.1	133.0	119.5	109.1	101.3	90.0	83.4	81.3	80.4
32.5°	180.3	166.0	141.7	126.9	115.2	106.5	95.2	86.9	82.6	81.7
35°	226.4	204.2	172.5	145.6	127.8	112.6	99.1	89.1	83.4	82.6
37.5°	276.4	242.9	212.9	182.9	156.9	132.1	106.5	92.6	85.6	84.3
40°	307.7	263.8	237.3	192.5	189.0	168.6	130.8	102.1	90.0	88.2
42.5°	372.0	306.4	264.2	169.9	184.7	189.0	165.1	128.2	101.7	98.6
45°	448.0	360.2	296.4	181.6	190.3	185.1	169.0	148.6	126.9	120.8
47.5°	580.6	411.1	307.7	210.8	217.7	203.4	179.5	158.2	142.1	139.9
50°	837.8	560.6	346.3	259.0	279.9	239.9	209.0	192.5	170.8	168.2
52.5°	1169.0	674.9	388.9	335.0	382.4	332.9	282.9	249.4	244.7	246.4
55°	1527.9	710.1	445.0	414.1	497.1	450.6	393.3	361.1	392.8	402.8
57.5°	1883.8	763.1	526.2	516.7	622.3	551.5	506.3	520.2	652.3	684.0
60°	2164.1	808.3	594.9	615.3	746.1	669.2	650.1	670.5	897.4	981.7
62.5°	2274.0	787.9	630.5	657.1	804.4	751.8	745.3	764.8	956.0	1039.0
65°	*2282.3*	*756.6*	*644.4*	*668.4*	*813.5*	*757.4*	*739.6*	*723.1*	*856.1*	*908.7*
67.5°	2112.0	694.0	627.5	652.3	773.1	698.8	661.8	624.5	692.7	721.8
70°	1702.6	615.3	574.5	588.8	650.1	581.4	531.0	505.4	529.7	527.6
72.5°	1289.8	541.9	516.3	501.9	531.0	475.4	419.8	395.0	416.7	411.1
75°	985.1	483.7	459.8	412.0	440.2	365.0	303.8	286.8	297.2	293.3
77.5°	710.9	387.6	355.9	303.3	339.8	265.5	203.8	191.6	194.2	186.0
80°	511.9	289.0	258.1	220.8	249.9	189.9	151.2	148.6	149.9	141.2
82.5°	402.0	231.6	211.2	191.2	200.3	171.7	145.6	143.0	144.3	134.7
85°	374.6	226.8	205.5	192.5	195.6	169.0	141.2	140.4	142.5	132.1
87.5°	353.3	224.7	207.7	189.0	181.6	155.1	130.8	134.7	140.8	129.9
90°	311.6	209.5	194.7	177.7	169.9	145.6	130.8	136.5	136.0	128.2
92.5°	274.6	186.9	175.1	165.6	163.8	148.2	136.9	142.1	143.8	136.0
95°	225.1	157.7	152.1	149.1	151.7	136.5	126.9	129.5	127.8	123.4
97.5°	191.6	143.8	139.9	135.6	133.0	122.1	113.9	117.3	119.1	115.2
100°	173.4	136.9	133.8	129.1	128.6	121.2	116.9	123.8	129.1	126.9
102.5°	162.1	129.9	126.0	121.7	120.4	114.3	110.8	115.2	119.9	115.6
105°	153.8	123.4	117.3	113.4	111.2	106.9	102.6	104.3	109.5	107.3
107.5°	146.0	123.0	113.4	110.4	110.4	104.7	98.6	99.1	101.7	101.3
110°	158.2	136.5	119.1	114.7	113.4	111.7	107.3	103.0	99.5	99.5

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

Scaled Data Report

REPORT NUMBER: P981411
CATALOG NUMBER: FFX-CLB-50-722-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	189.5	167.3	149.5	135.6	129.9	123.4	114.3	107.8	103.0	101.7
115°	203.4	179.5	162.5	147.3	134.3	121.7	113.9	109.1	106.5	109.1
117.5°	191.6	158.6	156.4	140.8	128.6	118.6	116.5	108.6	113.0	113.0
120°	215.5	184.3	179.5	156.9	139.9	127.3	126.0	124.7	119.9	117.8
122.5°	315.1	274.2	254.7	221.2	192.1	166.0	151.2	130.8	116.5	113.4
125°	428.0	374.2	327.2	282.9	239.0	192.5	153.4	123.0	108.2	106.0
127.5°	429.3	374.6	322.9	269.0	221.2	172.5	137.8	116.5	106.0	105.6
130°	377.6	329.8	272.9	219.5	180.8	148.6	123.4	106.0	98.6	96.5
132.5°	300.7	258.1	221.6	188.6	159.0	131.7	109.1	96.9	92.6	92.1
135°	252.9	216.0	190.3	166.0	143.0	118.6	97.8	91.7	89.5	88.6
137.5°	206.4	184.3	168.6	149.1	126.9	106.9	93.0	90.4	89.5	87.8
140°	179.0	164.3	147.3	125.6	108.6	92.1	84.7	86.9	89.1	88.6
142.5°	146.0	135.1	122.5	108.2	96.5	89.1	86.0	87.3	87.3	87.8
145°	138.6	124.3	117.3	108.6	100.8	95.2	87.8	85.2	84.7	84.7
147.5°	128.6	123.0	118.6	112.6	100.8	90.4	82.1	80.8	82.6	82.1
150°	120.4	116.5	111.2	101.7	90.0	83.0	78.7	79.1	82.1	82.6
152.5°	102.1	99.9	96.5	90.4	82.1	78.7	76.5	78.2	80.4	80.8
155°	90.8	89.5	88.6	84.7	79.5	77.4	76.5	77.8	80.0	80.4
157.5°	90.0	86.9	85.6	83.0	79.1	76.9	76.9	78.2	79.5	80.0
160°	87.3	83.4	83.0	80.4	79.5	78.2	79.1	79.5	80.8	80.4
162.5°	85.2	82.6	82.1	80.4	81.3	82.6	82.6	83.0	83.9	83.4
165°	84.3	82.1	81.7	81.7	84.3	86.5	86.9	86.5	86.5	86.5
167.5°	85.2	83.9	83.4	84.3	86.5	89.1	89.5	88.6	87.8	87.3
170°	86.5	86.0	86.5	86.9	88.2	90.0	90.0	89.1	89.1	89.1
172.5°	87.8	88.6	89.1	89.1	90.4	91.3	91.7	91.3	91.3	91.3
175°	90.4	90.8	90.8	91.3	92.6	93.4	94.3	94.3	94.3	94.3
177.5°	93.4	93.4	93.4	93.9	94.3	95.6	96.0	96.9	97.3	97.3
180°	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

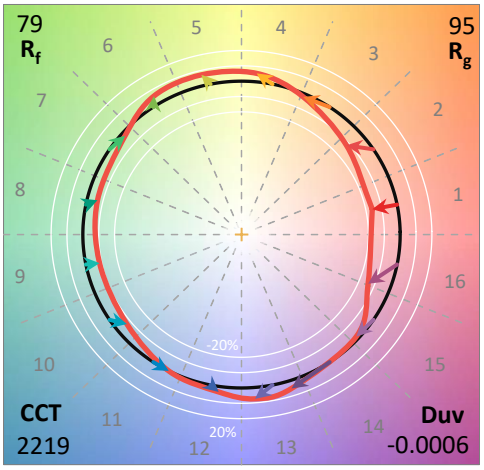
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

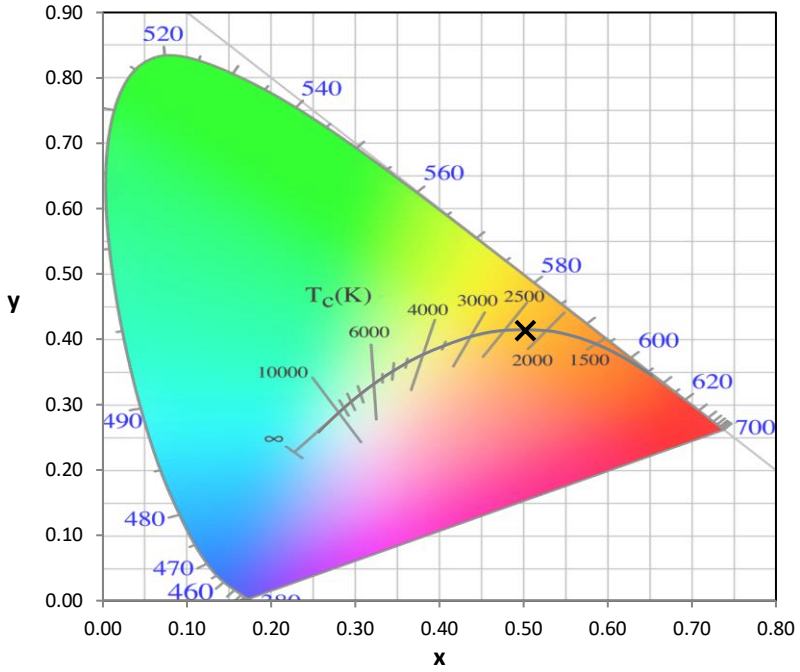
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

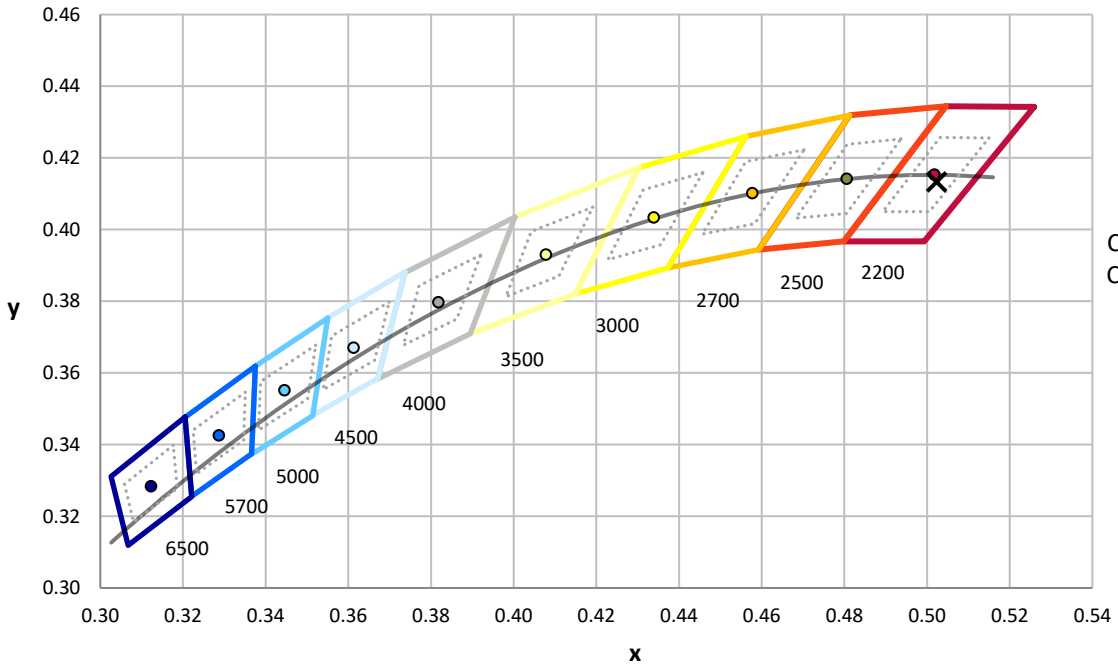
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

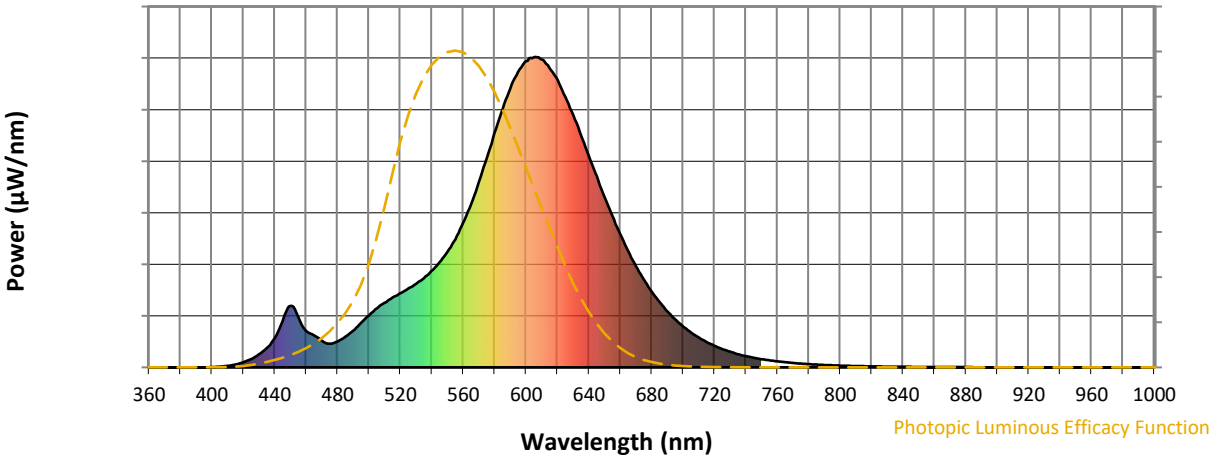


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

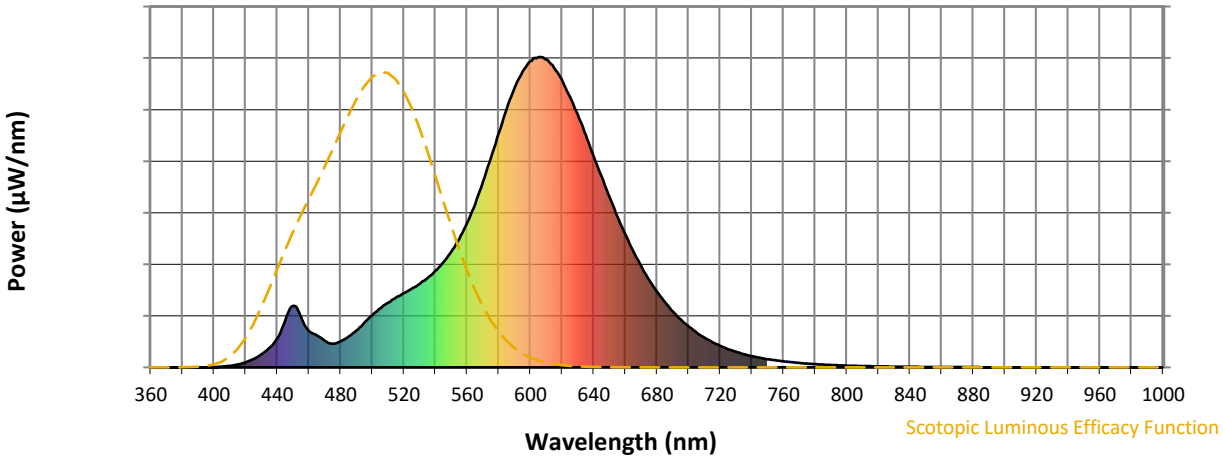


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

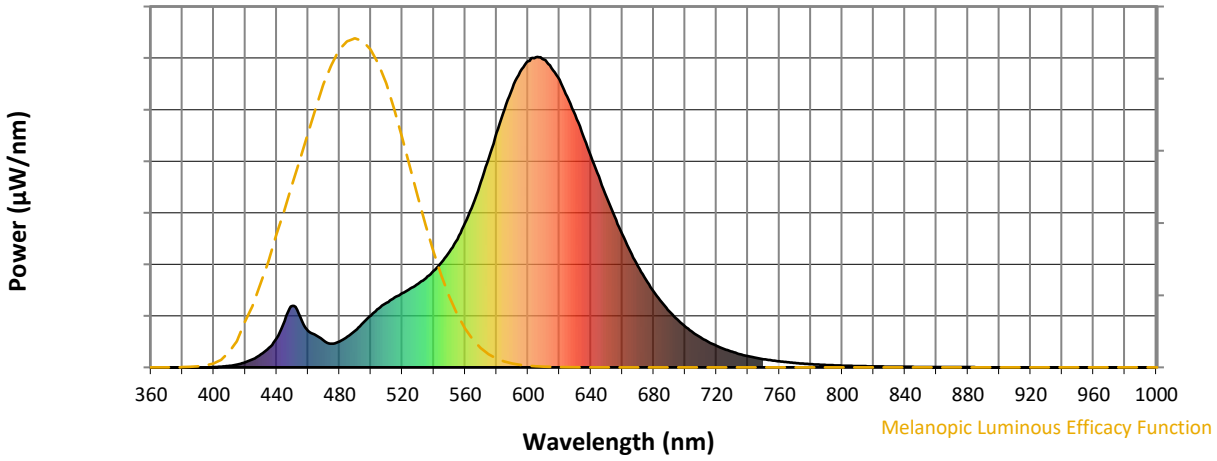


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

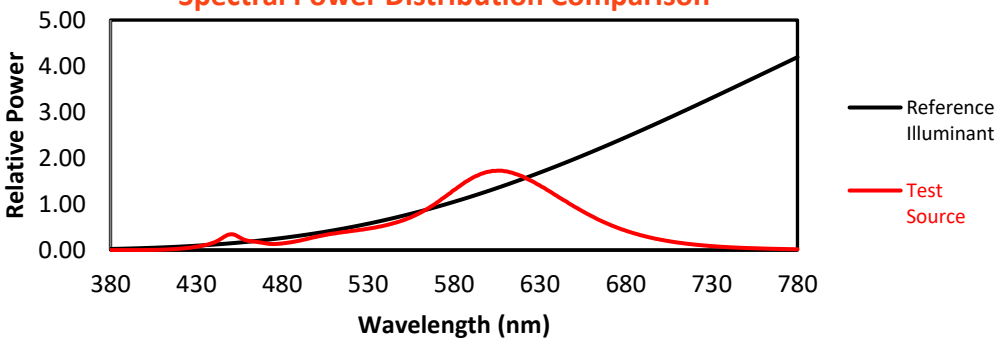
REPORT NUMBER: SP1-2501-332-2

TM-30-18

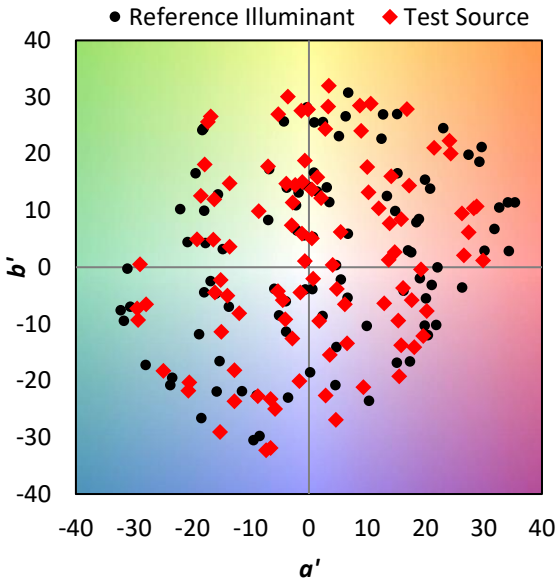
Summary

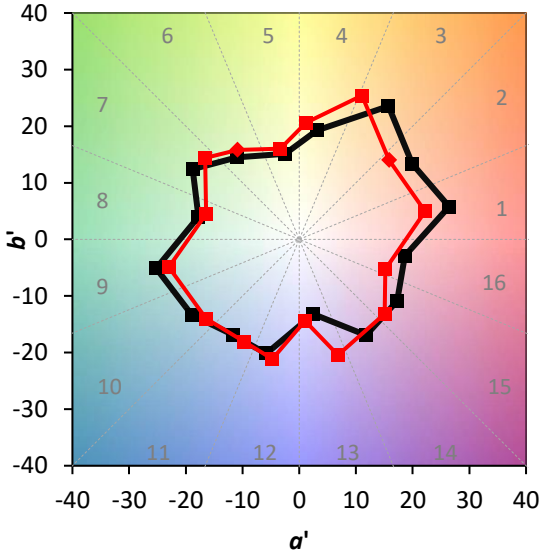
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

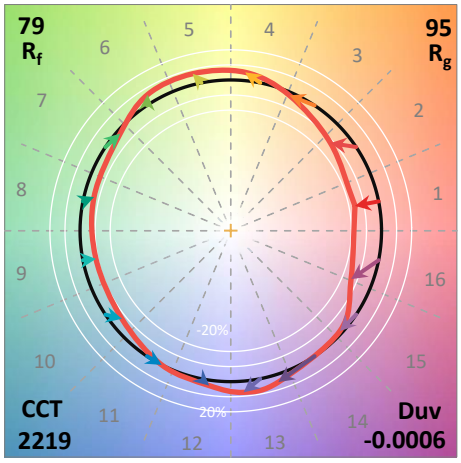
Spectral Power Distribution Comparison

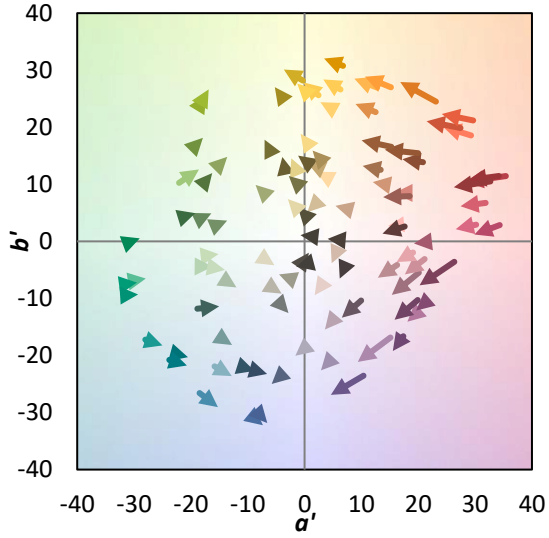


Color Vector Graphics







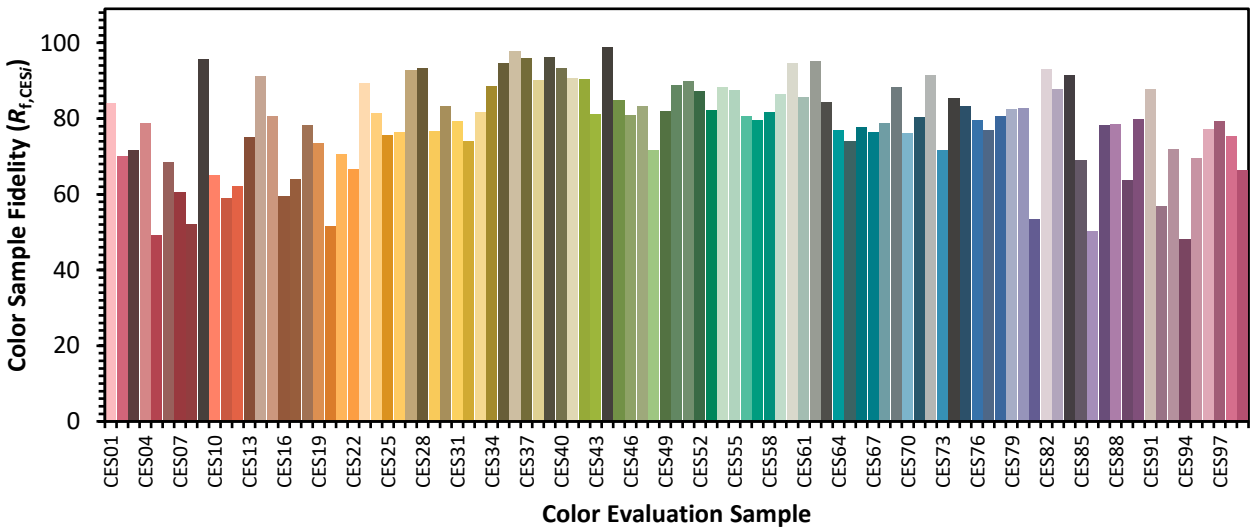


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

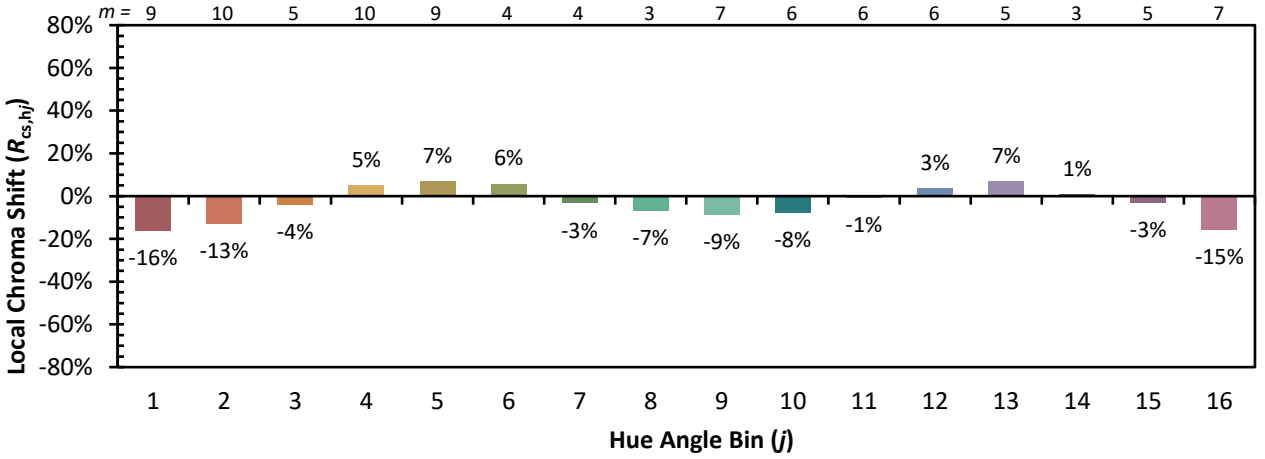
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 80
CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

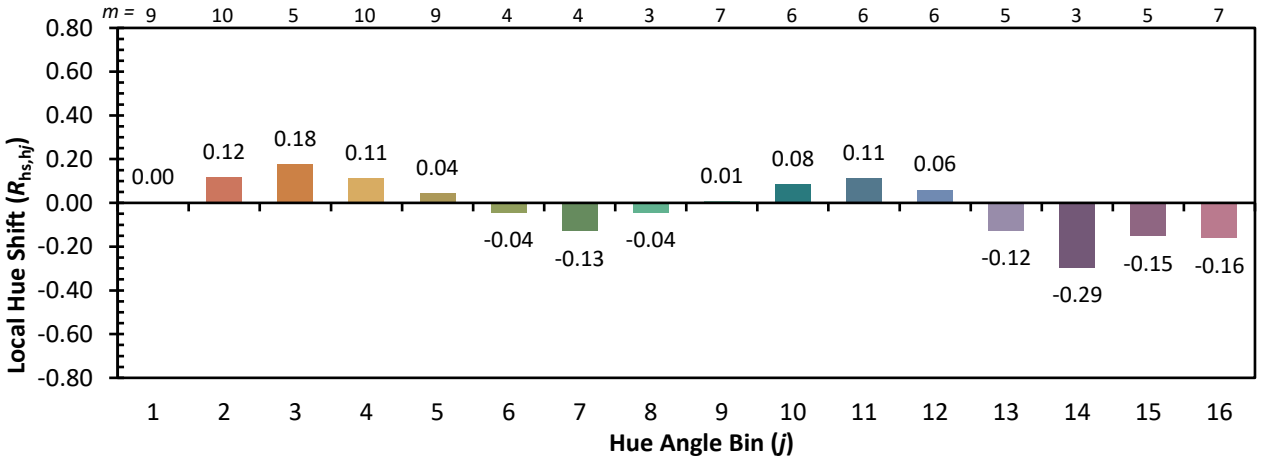


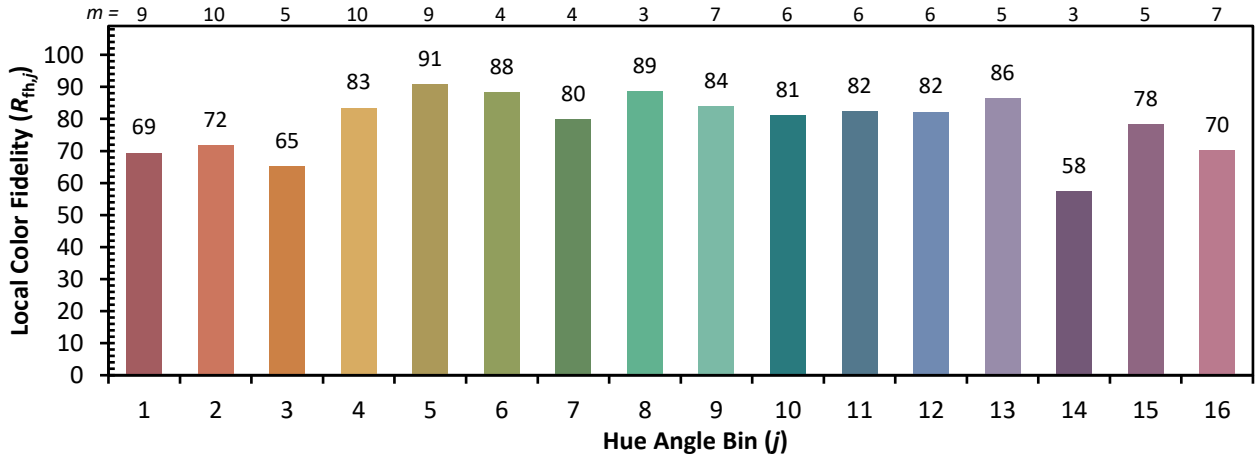
REPORT NUMBER: SP1-2501-332-2

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Color Rendition by Hue-Angle Bin



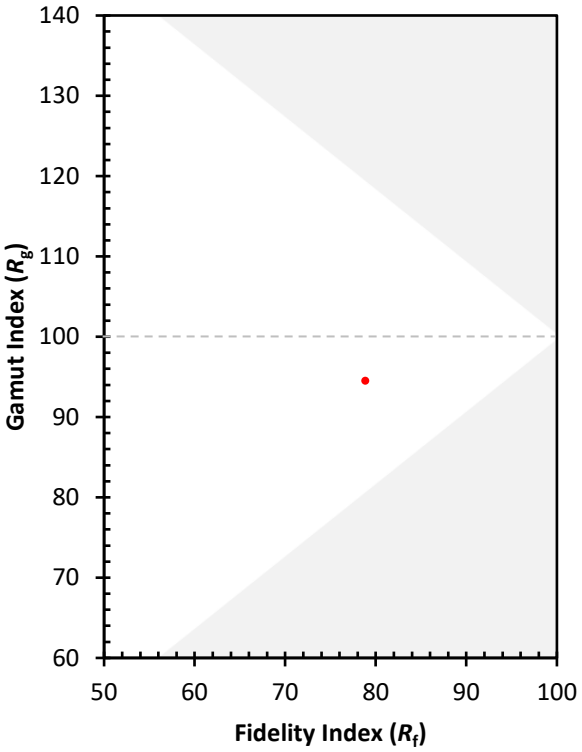


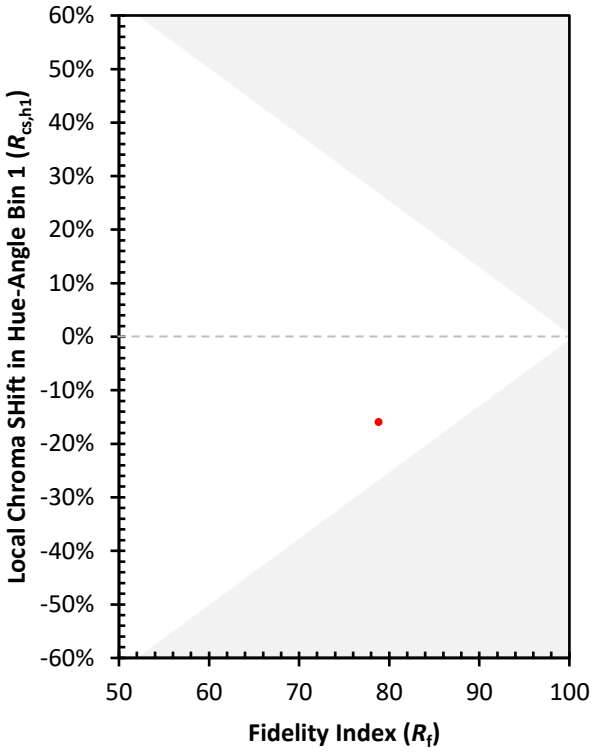


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Measure Comparisons





(END OF REPORT)