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: P1046592

Luminaire Tested: **FFX-CLB-50-722-U-FR-T3-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:	P1046592
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-T3-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5945.8 lumens
Efficiency:	N/A
Efficacy:	117.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - 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

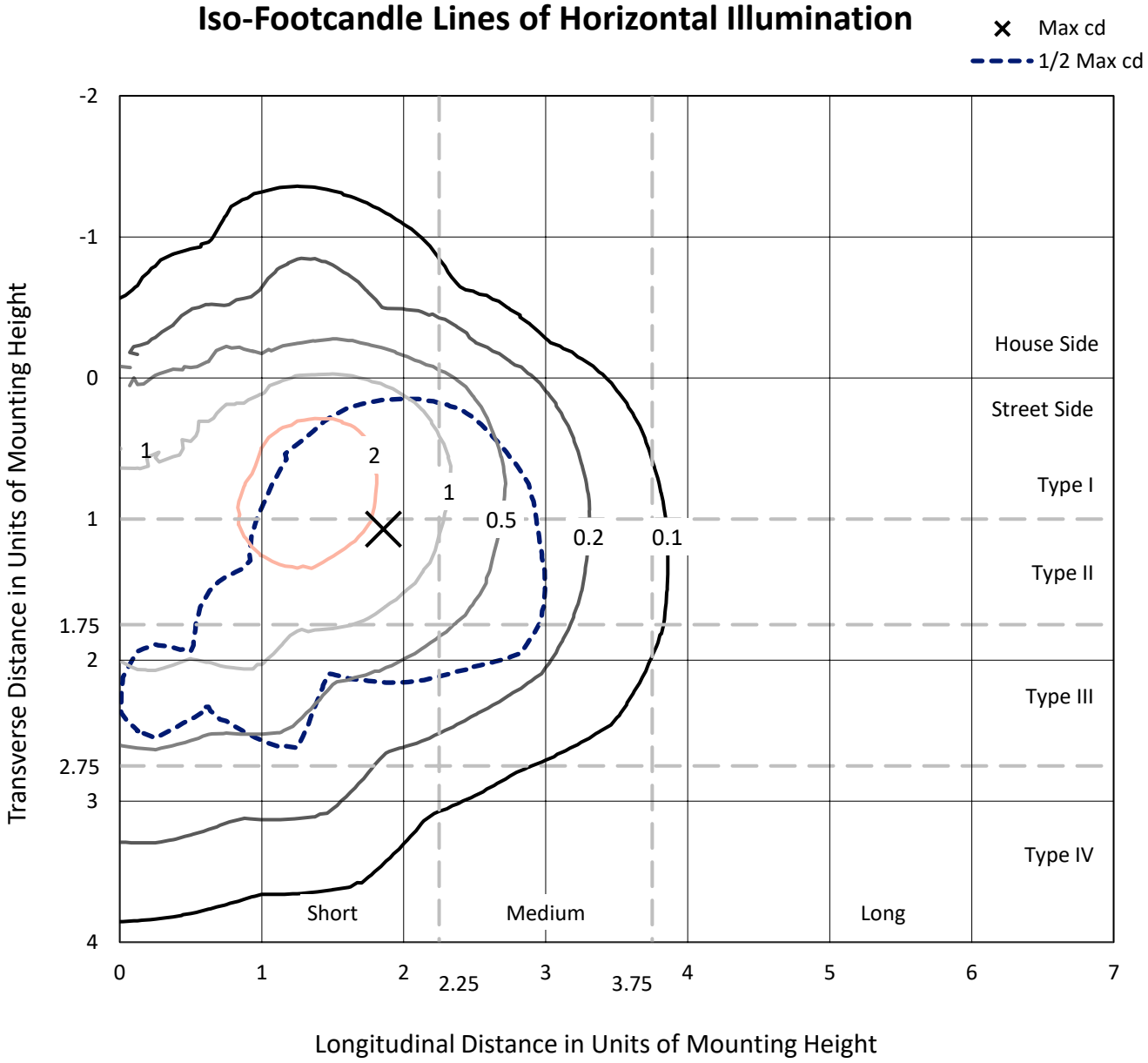


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Iso-Footcandle Lines of Horizontal Illumination



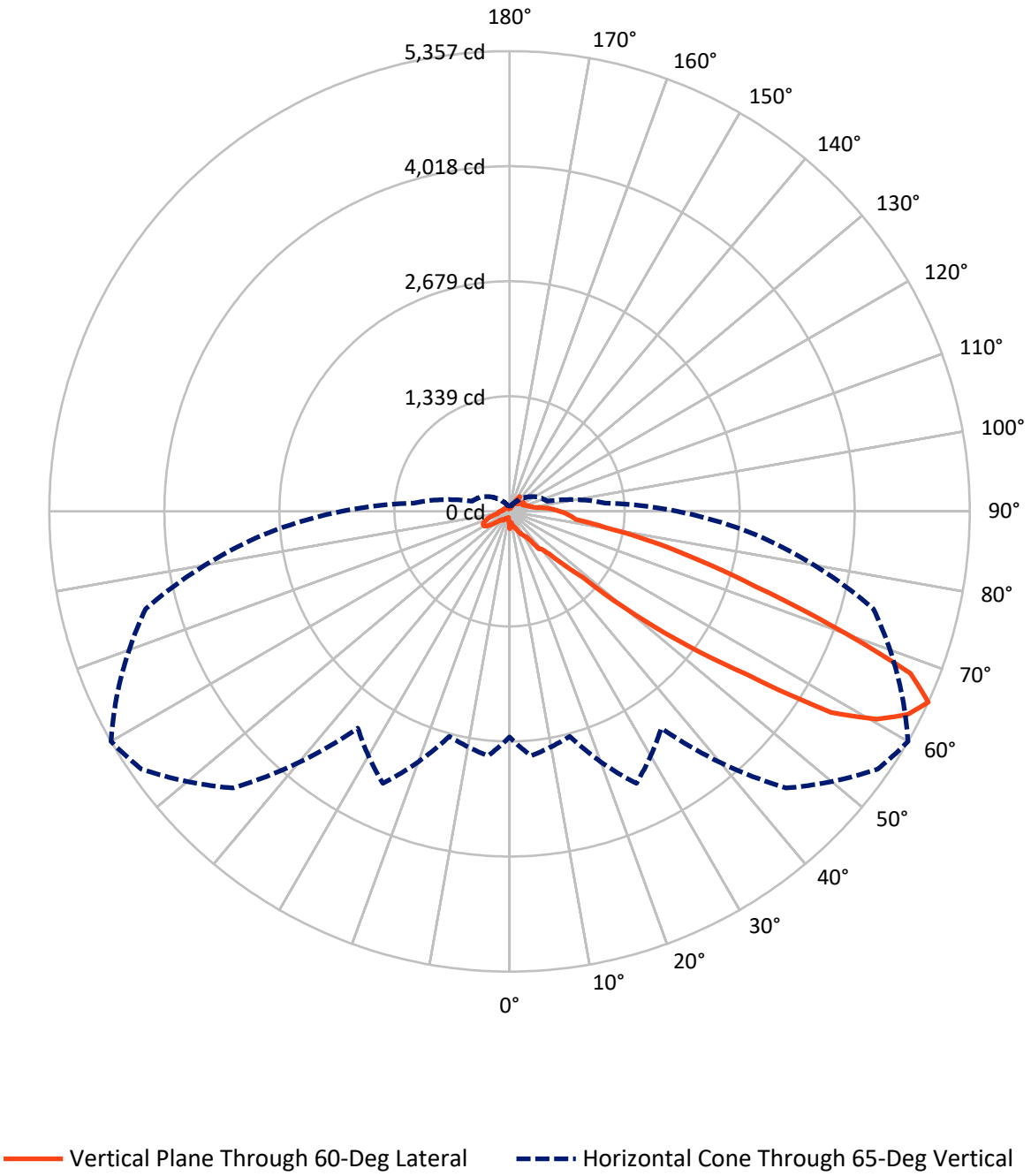
Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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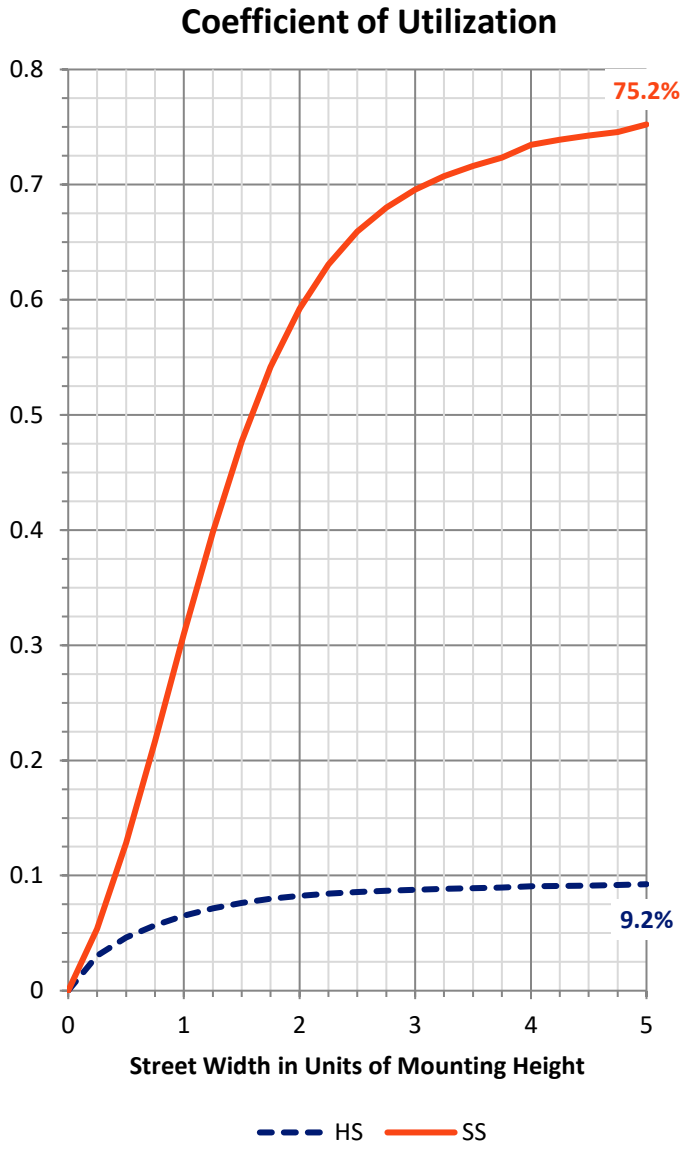
REPORT NUMBER: P1046592
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	576.5	186.1	762.6
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	4633.2	550.0	5183.2
	% Fixture	77.9	9.2	87.2
Total	Lumens	5209.7	736.0	5945.8
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.2
10°-20°	38.1	0.6
20°-30°	81.4	1.4
30°-40°	167.0	2.8
40°-50°	391.3	6.6
50°-60°	1223.9	20.6
60°-70°	1916.4	32.2
70°-80°	1013.8	17.1
80°-90°	367.1	6.2
90°-100°	221.4	3.7
100°-110°	138.7	2.3
110°-120°	112.1	1.9
120°-130°	93.5	1.6
130°-140°	68.1	1.1
140°-150°	62.6	1.1
150°-160°	26.1	0.4
160°-170°	10.4	0.2
170°-180°	3.4	0.1
0°-90°	5209.7	87.6
0°-180°	5945.8	100.0



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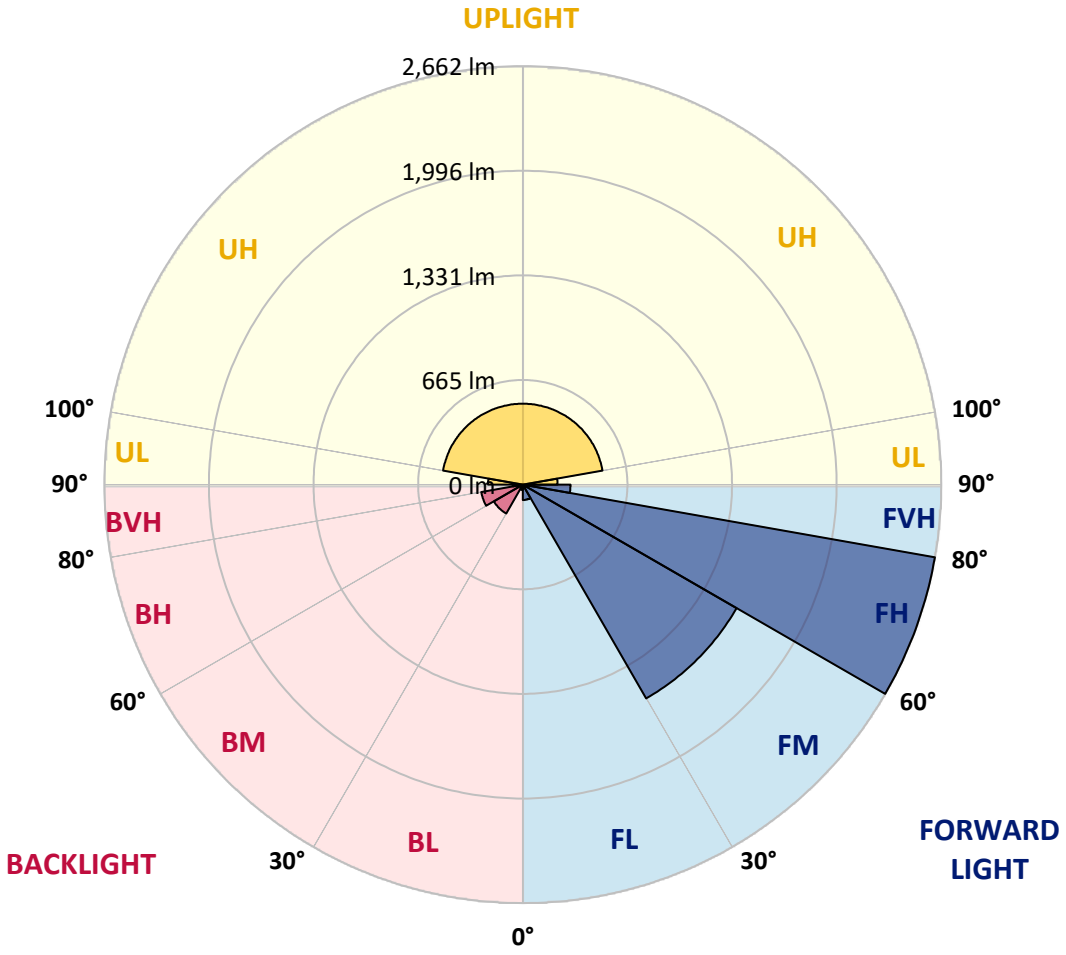
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	98.0	1.6			
FM	(30°-60°)	1570.1	26.4			
FH	(60°-80°)	2661.8	44.8			G2/5000
FVH	(80°-90°)	303.3	5.1			G3/500
BL	(0°-30°)	32.4	0.5	B0/110		
BM	(30°-60°)	212.0	3.6	B0/220		
BH	(60°-80°)	268.4	4.5	B1/500		G1/500
BVH	(80°-90°)	63.8	1.1			G1/100
UL	(90°-100°)	221.4	3.7		U3/500	
UH	(100°-180°)	514.7	8.7		U4/1000	

BUG Rating: B1-U4-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5
2.5°	111.3	115.7	140.9	167.0	174.4	158.3	137.0	139.6	151.3	207.4	232.2
5°	130.5	131.8	129.6	132.6	150.9	173.9	160.5	144.8	123.9	89.6	88.7
7.5°	150.0	150.0	149.2	138.3	125.7	121.8	133.5	135.7	133.5	111.3	96.1
10°	163.5	163.5	163.1	163.9	164.8	160.5	141.3	133.9	126.1	116.5	112.2
12.5°	198.3	199.2	204.8	201.8	190.5	178.7	180.9	178.7	167.0	146.5	129.6
15°	242.7	244.4	245.3	234.0	215.7	193.9	180.0	176.6	174.4	162.6	145.7
17.5°	265.7	264.8	254.4	242.7	230.9	215.3	202.2	197.0	189.2	174.4	156.1
20°	263.1	263.1	252.7	250.0	250.9	241.3	224.8	218.3	209.6	195.7	170.5
22.5°	270.5	270.9	264.4	266.6	276.1	266.6	250.5	246.1	237.9	217.9	192.2
25°	298.8	298.8	291.4	288.3	296.6	293.1	284.0	278.7	267.0	242.7	197.4
27.5°	324.4	322.7	315.7	316.6	308.8	307.0	304.8	302.7	292.2	253.5	200.0
30°	344.4	344.4	338.3	342.2	325.7	328.3	320.5	326.6	313.1	268.3	210.0
32.5°	362.7	365.3	363.1	368.3	348.8	360.1	346.6	353.1	344.8	294.8	238.3
35°	404.9	407.9	417.9	430.9	407.0	418.8	397.5	406.6	398.3	354.8	292.7
37.5°	572.3	567.5	545.8	524.4	501.4	549.7	544.4	553.1	540.1	470.1	369.6
40°	575.8	573.1	568.8	555.3	511.8	559.7	561.8	577.5	616.6	504.4	399.6
42.5°	590.5	593.6	645.3	651.9	619.2	693.6	673.2	674.0	808.0	597.5	515.7
45°	683.2	683.2	699.7	708.0	698.4	911.9	908.9	882.8	1051.5	745.4	606.6
47.5°	783.2	786.2	816.7	898.4	951.9	1154.1	1214.1	1151.5	1372.9	978.0	835.8
50°	1075.9	1081.9	1176.7	1248.5	1348.9	1689.4	1984.7	1889.5	2236.9	1492.0	1259.4
52.5°	1287.6	1363.3	1415.5	1685.5	1724.7	2247.8	2628.7	2596.1	2829.2	2065.2	1528.5
55°	1532.5	1650.3	1685.1	2103.9	2173.9	2900.5	3295.8	3353.7	3368.0	2669.6	1796.9
57.5°	1935.6	2118.2	2124.7	2567.4	2579.6	3656.3	4285.6	4413.0	4267.7	3373.2	2220.0
60°	2267.8	2481.8	2410.0	3012.7	2891.8	4267.7	4767.0	4911.3	4641.7	3974.6	2515.7
62.5°	2473.5	2680.1	2585.7	3325.8	3079.7	4530.0	5054.4	5202.7	4906.1	4294.3	2743.1
65°	2627.0	2856.2	2710.9	3492.8	3079.3	4553.4	5231.8	5357.1	5039.6	4386.0	2810.1
67.5°	2630.1	2835.7	2654.4	3433.2	2874.4	4181.6	4954.8	5034.0	4681.7	4060.3	2610.9
70°	2299.1	2447.0	2245.6	2897.5	2318.7	3173.6	3869.4	3963.3	3608.9	3121.4	2023.0
72.5°	1923.8	1981.7	1782.1	2317.4	1816.0	2401.7	2957.9	2993.2	2805.7	2338.3	1563.8
75°	1510.7	1488.5	1385.0	1727.7	1380.7	1701.6	2323.0	2289.1	2186.1	1720.8	1193.3
77.5°	1008.0	966.7	971.9	1185.4	964.5	1125.9	1691.6	1692.9	1656.8	1275.9	851.0
80°	614.9	616.2	599.2	751.9	636.6	748.4	1165.9	1127.6	1128.5	841.5	595.8
82.5°	481.0	488.8	467.5	541.8	501.4	595.3	761.9	783.2	760.1	617.9	438.8
85°	472.3	479.2	457.0	503.1	476.6	568.8	716.7	714.9	702.7	573.1	414.9
87.5°	432.7	441.0	424.4	456.6	436.2	526.6	659.7	651.0	639.2	539.2	395.7
90°	365.3	380.5	369.2	409.2	380.9	453.1	573.6	570.1	564.0	476.6	352.2
92.5°	332.2	335.3	327.0	363.1	331.8	397.0	509.2	498.4	484.9	413.6	300.1
95°	297.4	296.1	288.3	317.4	289.6	332.2	432.7	416.2	409.2	349.2	250.5
97.5°	238.3	238.7	234.8	254.8	234.8	265.3	324.8	318.8	304.8	260.9	191.8
100°	208.7	210.0	207.4	223.1	206.1	225.7	270.5	269.2	257.9	222.6	167.4
102.5°	197.4	197.9	201.3	210.9	194.8	209.2	246.6	247.0	239.6	207.4	157.4
105°	189.6	189.2	191.8	199.6	185.7	196.1	230.5	230.5	220.0	195.7	149.2
107.5°	183.5	182.6	187.0	193.5	183.9	187.0	213.5	215.3	205.3	182.2	141.8
110°	176.6	176.1	183.5	188.3	179.2	179.6	202.6	201.3	192.2	177.4	139.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	179.2	181.8	190.0	176.6	163.1	163.9	181.8	*183.9*	177.4	162.2	132.6
115°	177.0	179.6	190.5	171.3	151.3	156.6	171.3	*173.1*	163.5	150.9	124.8
117.5°	169.2	170.0	176.6	171.8	150.9	157.0	164.4	*167.4*	160.5	150.9	126.1
120°	200.0	193.5	193.5	186.1	162.6	173.5	187.4	*190.0*	183.5	165.7	125.7
122.5°	183.9	181.8	182.2	172.6	160.9	170.0	186.6	*190.9*	185.3	167.4	125.7
125°	144.8	145.2	143.1	146.1	141.3	144.4	153.1	*160.0*	154.8	145.2	119.6
127.5°	131.8	131.3	128.7	141.8	127.0	133.1	141.3	*145.2*	140.0	129.2	108.3
130°	128.3	128.3	135.7	149.2	140.5	137.9	134.8	*138.7*	137.9	130.9	108.3
132.5°	120.0	120.5	131.3	148.7	145.2	133.1	122.2	*124.4*	128.3	130.0	114.4
135°	120.0	118.7	115.2	119.2	117.0	120.0	117.0	*120.0*	120.9	120.0	100.0
137.5°	127.8	127.0	118.3	113.1	113.5	123.1	123.5	*124.8*	123.5	116.5	97.0
140°	125.2	122.2	116.1	113.9	114.4	124.4	128.3	*129.2*	127.8	114.4	91.3
142.5°	120.9	120.9	122.6	125.2	129.2	175.7	163.5	*174.8*	175.2	161.3	93.9
145°	173.5	175.2	170.0	164.4	178.3	211.3	198.7	*210.9*	219.2	204.0	129.6
147.5°	156.6	159.2	156.1	151.3	169.6	170.0	162.2	*163.5*	165.7	169.2	130.9
150°	110.9	107.8	112.6	109.2	127.4	126.5	115.7	*118.3*	123.1	123.5	104.4
152.5°	82.2	80.9	80.0	79.6	91.8	84.4	80.4	*79.1*	80.0	79.6	74.8
155°	72.6	72.6	72.2	74.4	80.9	75.7	71.8	*72.2*	70.0	68.7	66.1
157.5°	56.5	55.2	56.5	60.4	63.1	58.3	57.0	*56.1*	55.7	53.5	54.4
160°	46.5	46.5	47.4	50.4	52.2	48.7	46.1	*45.2*	45.2	44.4	47.4
162.5°	39.6	39.6	40.4	41.3	42.2	40.4	39.6	*39.6*	39.1	39.1	42.2
165°	33.0	33.0	33.5	35.2	35.7	34.8	34.4	*34.8*	34.8	36.5	39.1
167.5°	30.4	30.4	30.9	31.7	32.2	31.7	33.0	*34.4*	35.7	37.4	38.3
170°	29.1	29.1	29.6	30.0	30.9	31.7	34.4	*35.2*	35.7	35.2	35.2
172.5°	30.0	30.0	30.0	30.9	31.7	33.9	36.1	*36.1*	35.2	34.4	34.4
175°	30.4	30.0	30.4	31.3	32.6	33.9	34.8	*35.7*	35.7	35.2	35.2
177.5°	30.0	30.0	30.4	30.9	30.9	30.9	31.3	*31.7*	31.7	32.2	32.6
180°	29.6	29.6	29.6	29.6	29.6	29.6	29.6	*29.6*	29.6	29.6	29.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5
2.5°	227.4	214.8	159.2	105.7	129.6	189.2	220.5	206.6	153.9	88.7	75.2
5°	93.1	104.4	121.8	116.5	104.8	86.1	64.8	64.4	89.1	108.3	110.0
7.5°	89.6	82.2	77.8	86.1	80.4	55.7	47.0	39.1	41.7	61.3	58.7
10°	110.5	107.8	100.5	82.2	60.4	50.0	47.0	47.8	51.3	46.1	45.7
12.5°	123.1	116.5	100.5	95.2	80.9	57.4	47.4	43.9	47.0	58.7	63.5
15°	134.8	125.2	105.2	88.3	72.6	59.6	50.9	44.4	39.6	34.4	33.9
17.5°	145.2	133.1	110.9	91.8	72.2	59.6	49.1	38.7	33.5	31.7	31.7
20°	157.9	146.5	118.3	95.7	72.6	58.3	47.4	38.3	33.5	31.7	31.7
22.5°	174.8	156.1	126.1	97.4	73.5	57.8	46.5	39.1	34.8	32.2	32.2
25°	179.6	165.2	131.3	103.1	77.0	60.0	48.7	40.4	35.7	33.5	33.0
27.5°	183.1	172.2	141.3	107.8	80.9	64.4	52.2	42.2	36.5	34.4	33.9
30°	196.6	187.0	152.2	114.8	86.1	68.7	55.2	44.8	38.3	34.8	33.9
32.5°	225.3	211.8	168.3	121.8	92.6	73.5	59.1	47.4	40.0	35.7	34.8
35°	280.1	269.2	210.9	136.1	99.6	79.6	63.9	50.9	42.2	37.0	36.5
37.5°	343.5	326.6	256.1	158.3	104.4	84.8	68.7	54.4	44.4	39.1	38.3
40°	354.4	306.1	227.0	144.4	105.2	87.4	73.1	58.3	47.0	40.9	39.6
42.5°	444.4	375.7	263.1	149.2	107.4	87.4	73.9	60.9	49.6	42.2	41.3
45°	470.1	374.4	261.8	166.6	117.8	90.0	74.4	62.2	51.7	44.4	43.1
47.5°	599.2	459.2	265.7	177.0	128.7	99.1	77.4	63.1	52.2	45.7	45.2
50°	856.7	614.0	319.6	213.5	154.4	115.7	87.0	66.1	53.1	47.0	46.5
52.5°	1058.0	729.3	343.1	255.7	196.6	147.0	103.9	73.9	54.8	47.4	46.5
55°	1257.6	869.7	386.6	301.8	234.0	177.0	129.2	86.5	59.1	48.3	47.4
57.5°	1562.0	1044.1	440.5	347.0	277.4	205.3	144.4	97.8	64.4	49.1	47.8
60°	1746.8	1105.9	446.2	370.1	302.2	225.3	149.6	102.2	70.9	52.6	50.4
62.5°	1913.0	1161.5	450.1	380.5	306.6	227.4	150.0	98.7	72.2	57.8	55.2
65°	*1956.0*	*1116.3*	*454.0*	*384.0*	*298.8*	*214.8*	*144.4*	*95.2*	*68.7*	*62.6*	*62.2*
67.5°	1858.6	1001.1	427.0	370.9	277.9	193.1	130.0	90.5	67.0	60.9	62.2
70°	1448.1	794.9	391.4	341.8	240.0	163.1	115.7	84.4	66.1	57.8	56.5
72.5°	1141.1	676.2	395.3	325.7	202.6	144.4	102.2	77.0	62.6	56.5	55.7
75°	888.9	566.6	380.5	280.5	164.4	123.1	89.6	68.7	58.3	54.4	53.9
77.5°	651.9	449.6	314.0	216.1	135.7	102.6	78.3	63.1	55.2	51.7	51.3
80°	427.5	317.9	218.7	172.6	117.0	92.6	71.3	59.1	53.1	50.0	49.6
82.5°	363.5	282.2	194.4	158.7	108.3	89.1	70.0	57.8	52.6	49.1	48.7
85°	350.5	289.2	198.7	164.4	103.1	85.2	67.8	57.0	51.3	48.3	47.8
87.5°	329.2	261.8	192.2	147.4	95.2	77.8	63.5	54.8	49.1	46.5	45.7
90°	293.1	224.0	165.2	126.5	90.5	73.1	60.0	52.2	47.8	45.2	44.4
92.5°	236.6	170.0	130.0	111.8	88.3	72.6	59.6	52.2	47.8	45.2	44.4
95°	198.7	145.7	116.5	102.2	82.2	68.7	57.0	50.4	46.5	43.9	43.9
97.5°	157.4	121.8	103.9	91.8	73.9	62.6	53.9	48.3	44.8	42.2	42.2
100°	139.6	113.1	98.7	86.1	70.0	59.1	52.6	47.0	43.9	40.9	40.9
102.5°	132.6	109.6	97.4	81.8	67.0	57.0	50.4	45.2	42.6	39.6	39.6
105°	128.3	108.3	96.5	79.6	63.9	54.4	48.3	43.1	40.9	38.7	38.3
107.5°	123.9	106.5	97.8	78.3	61.3	52.6	48.3	42.6	40.0	38.3	38.3
110°	121.8	107.4	97.4	77.0	60.4	52.2	47.8	43.1	40.9	39.1	38.7

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

Scaled Data Report

REPORT NUMBER: P1046592
CATALOG NUMBER: FFX-CLB-50-722-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	116.1	102.6	93.1	73.1	59.1	50.9	46.1	42.6	39.6	37.8	37.4
115°	110.5	94.4	85.2	69.6	56.1	49.1	44.8	41.3	38.3	37.0	37.0
117.5°	112.6	92.2	78.3	68.3	55.2	47.8	43.9	40.4	37.8	37.0	36.5
120°	111.3	97.0	87.8	73.1	54.8	46.5	43.1	39.6	37.4	37.0	37.0
122.5°	106.5	104.8	96.5	74.4	53.1	47.0	43.9	40.9	38.7	37.4	37.4
125°	102.6	101.8	90.0	67.0	54.4	48.7	46.1	43.1	41.7	40.4	40.0
127.5°	94.8	85.2	74.8	64.4	55.2	49.6	47.0	45.2	43.9	41.7	41.3
130°	95.2	87.4	77.0	64.8	53.1	48.7	47.4	45.7	43.5	40.0	39.6
132.5°	103.5	95.2	76.5	60.0	50.9	48.7	47.8	45.7	40.9	37.0	36.5
135°	86.1	80.4	67.8	57.4	51.7	50.4	50.0	45.2	38.3	35.7	35.2
137.5°	83.9	75.7	65.2	57.8	53.9	51.3	49.6	43.5	35.7	33.0	32.2
140°	79.1	71.3	63.9	58.7	52.2	43.5	39.6	36.5	33.0	30.9	30.4
142.5°	79.1	71.8	60.4	51.7	45.2	40.4	38.3	35.7	31.7	28.7	27.8
145°	93.5	84.8	73.1	65.7	58.7	51.3	43.9	36.1	29.6	25.7	25.2
147.5°	106.1	95.7	86.5	74.4	63.1	50.9	40.4	31.7	27.0	25.2	25.2
150°	87.0	77.4	72.6	62.2	52.2	41.7	34.4	29.6	27.0	26.1	26.1
152.5°	65.2	54.8	51.3	45.7	39.6	34.4	30.9	28.3	27.4	27.0	27.0
155°	60.9	52.2	47.8	42.6	36.5	32.2	30.0	28.7	27.8	27.4	27.4
157.5°	53.1	48.3	42.6	38.7	34.4	31.3	30.0	29.1	28.3	27.8	27.8
160°	47.4	43.9	38.7	35.7	32.6	31.3	31.3	30.9	29.6	29.1	29.1
162.5°	42.6	41.3	36.5	33.9	32.6	33.0	35.2	34.8	32.6	30.9	30.4
165°	39.6	38.3	34.8	33.5	32.6	34.4	38.7	37.8	34.4	32.2	32.2
167.5°	37.8	37.0	34.4	33.0	33.5	37.0	40.9	41.3	38.3	35.2	34.8
170°	34.8	34.8	34.4	34.8	34.8	36.5	38.7	40.0	40.0	40.9	40.4
172.5°	34.4	34.8	36.1	36.1	35.7	36.1	37.8	40.0	41.3	42.6	43.1
175°	35.2	35.7	36.5	37.0	37.0	37.8	40.4	42.2	43.1	42.6	42.6
177.5°	32.6	33.0	33.5	35.2	36.1	37.0	39.6	40.4	41.3	42.2	42.2
180°	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6

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

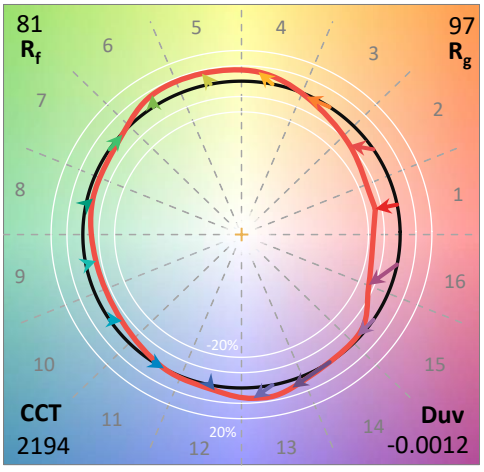
Test Information

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

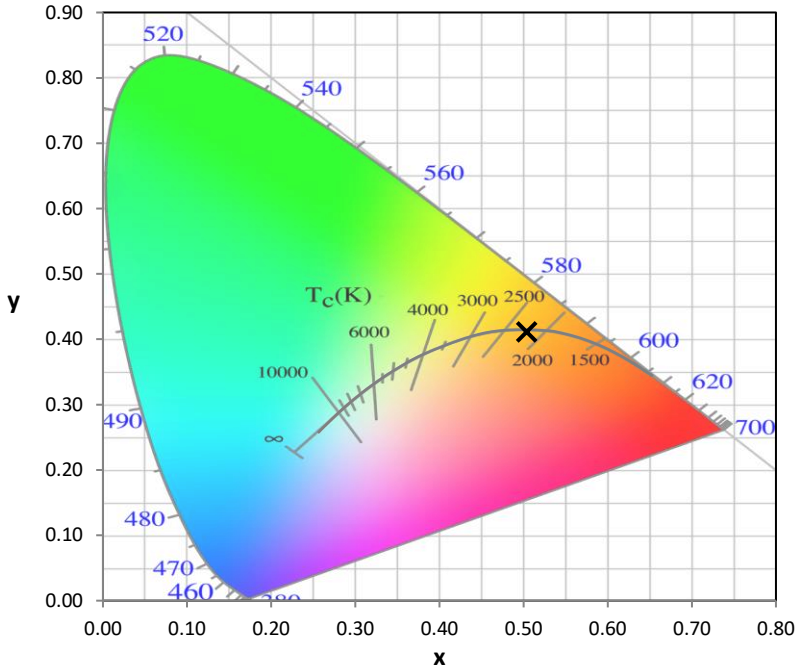
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

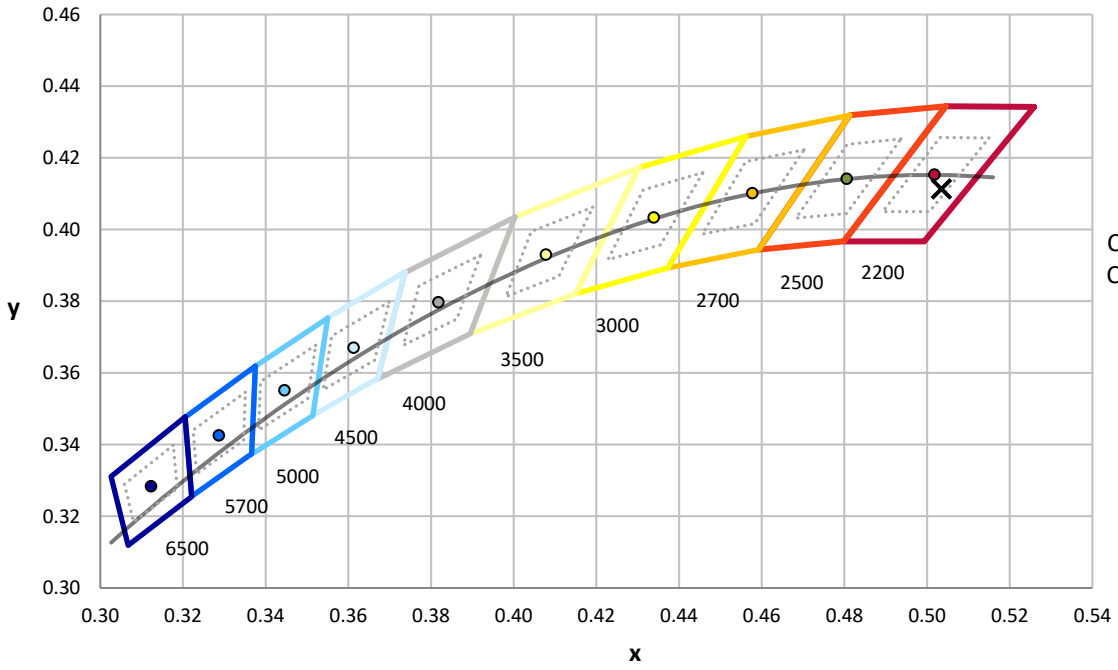
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

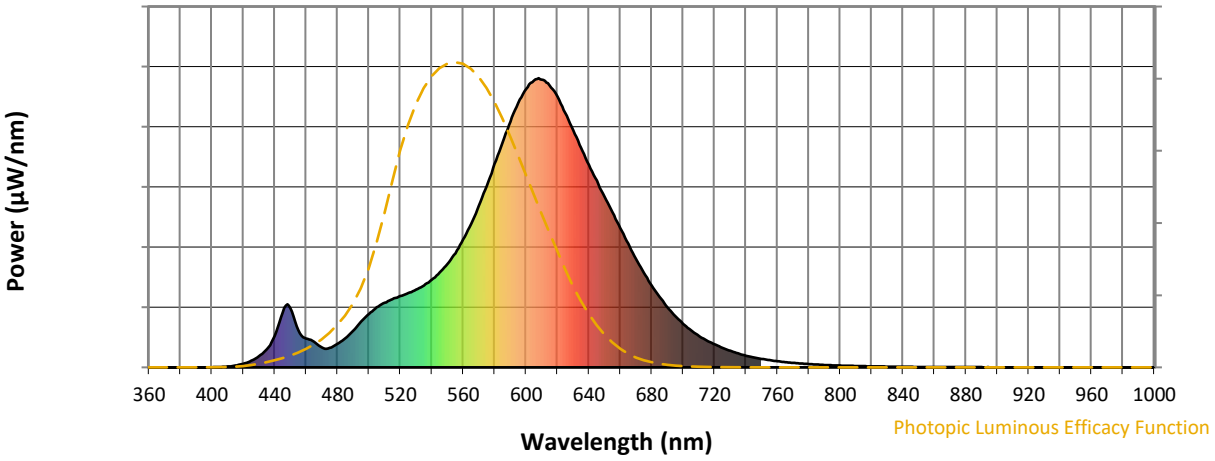


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

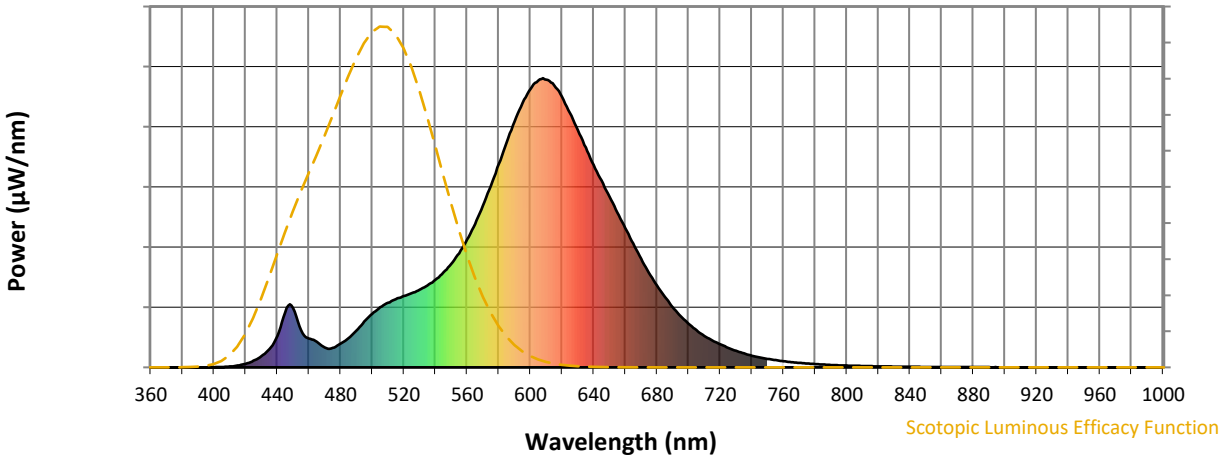


Photopic Lumens: NR

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

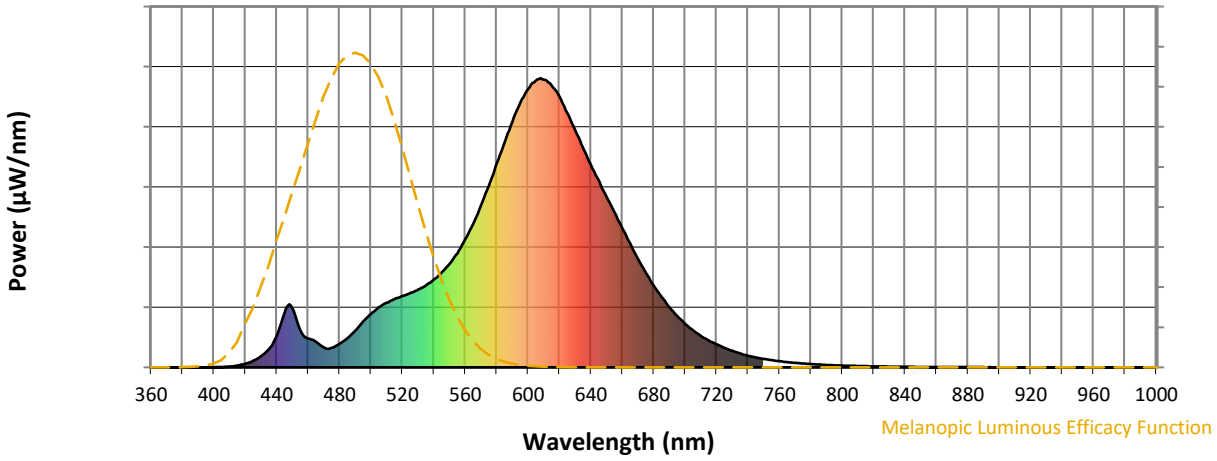


Scotopic Lumens: NR **S/P: 0.96**

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			

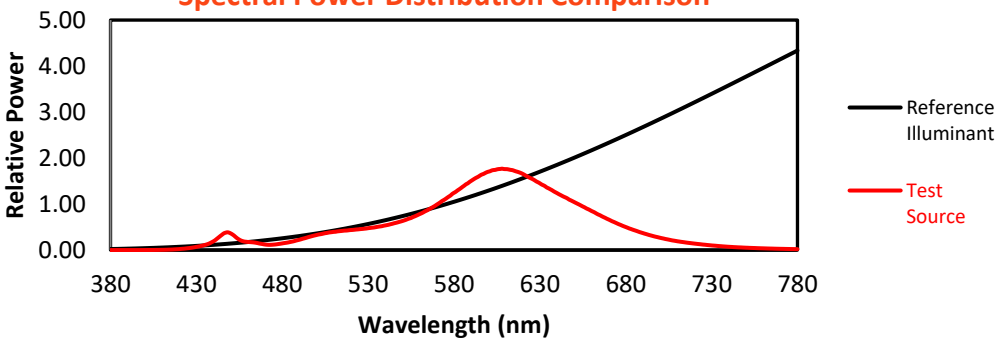
REPORT NUMBER: SP1-2501-332-7

TM-30-18

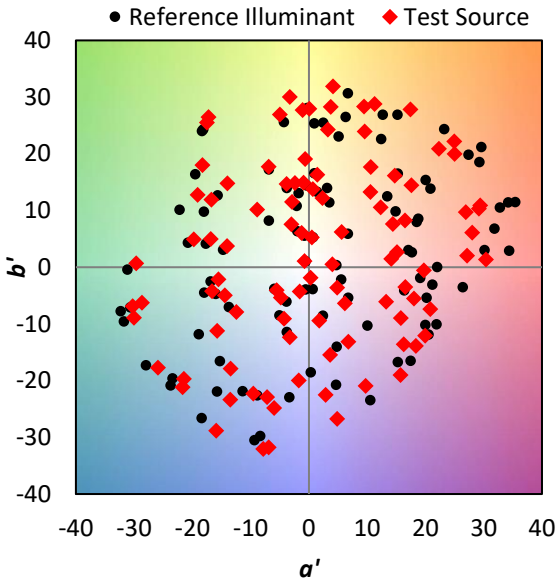
Summary

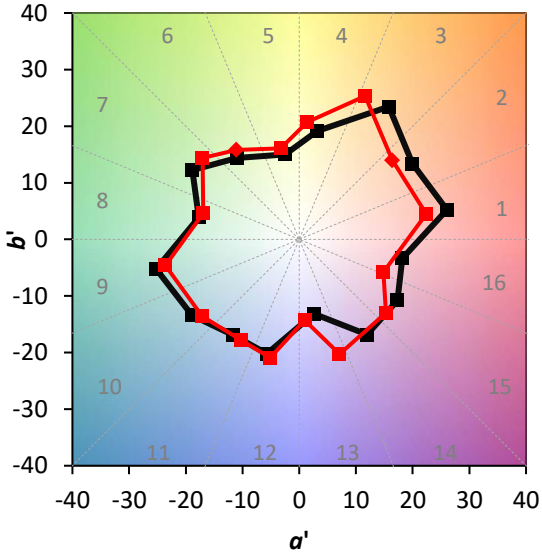
R_f = 81
R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

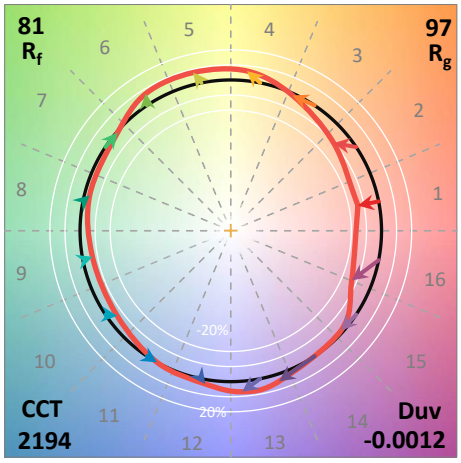
Spectral Power Distribution Comparison

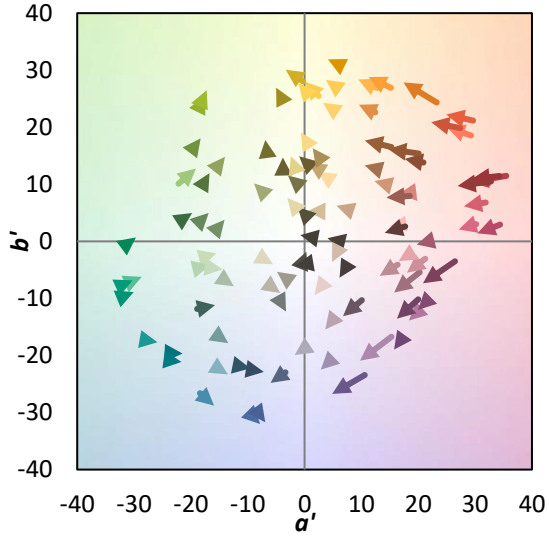


Color Vector Graphics







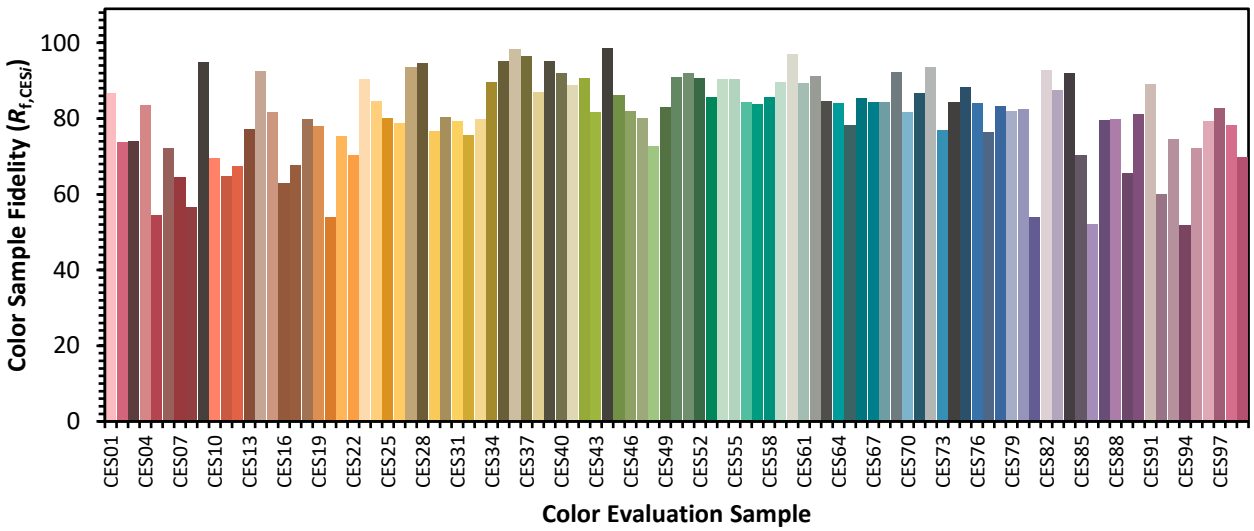


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

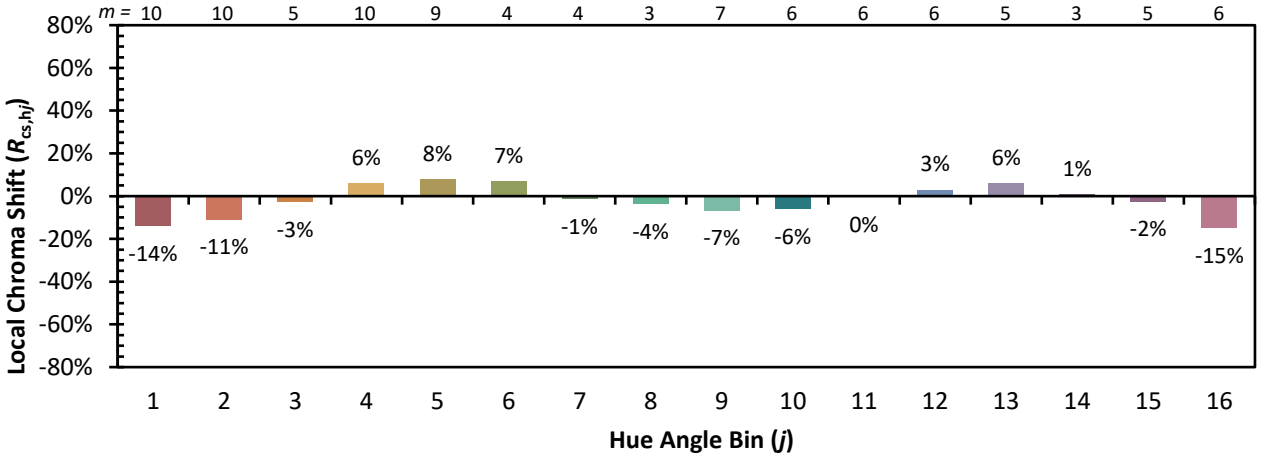
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57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

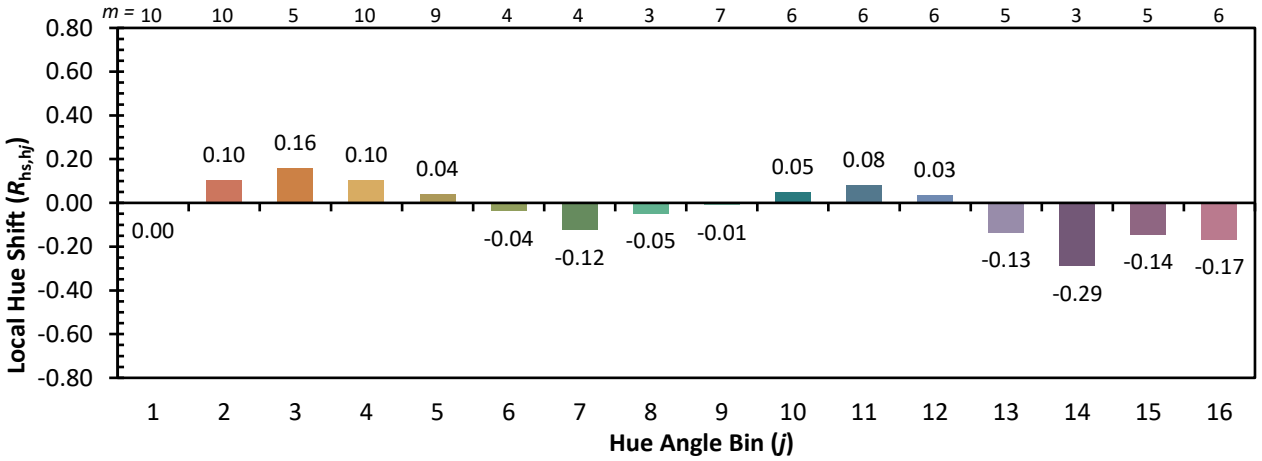


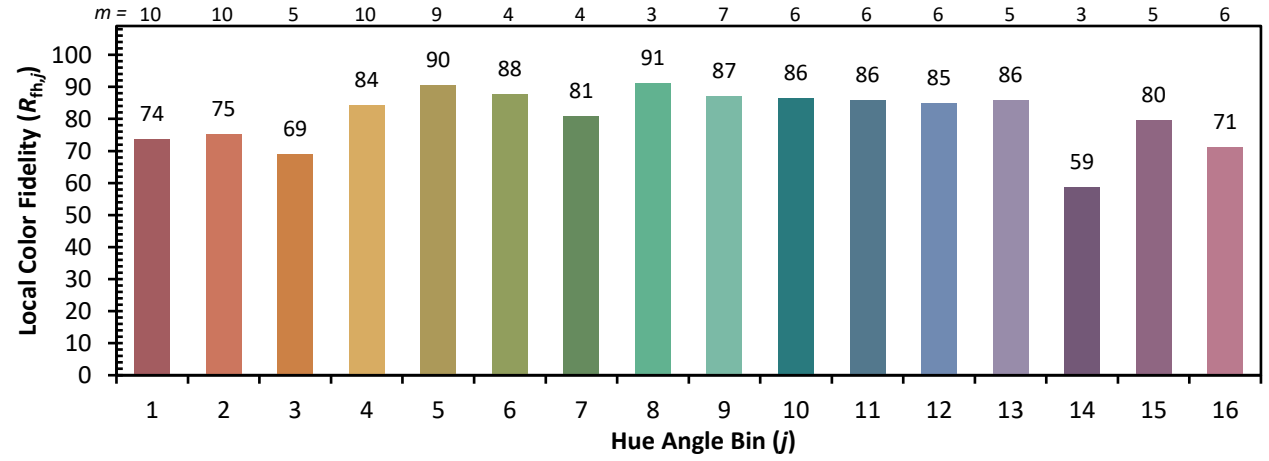
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Color Rendition by Hue-Angle Bin



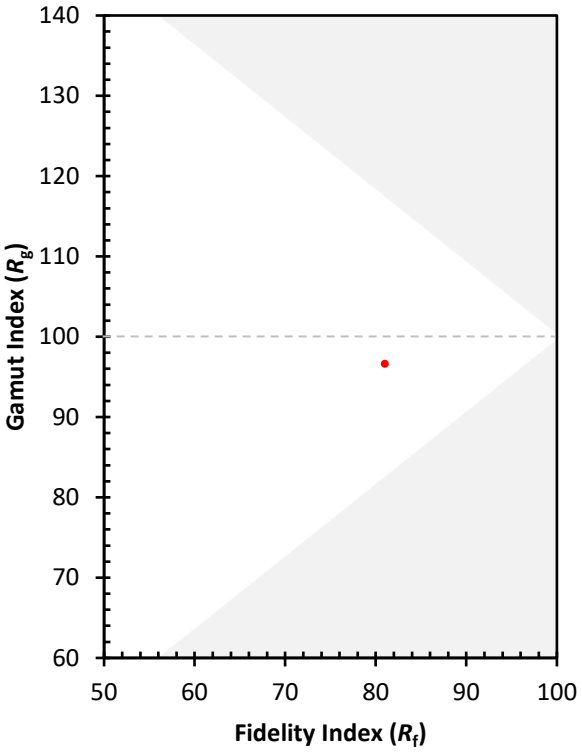


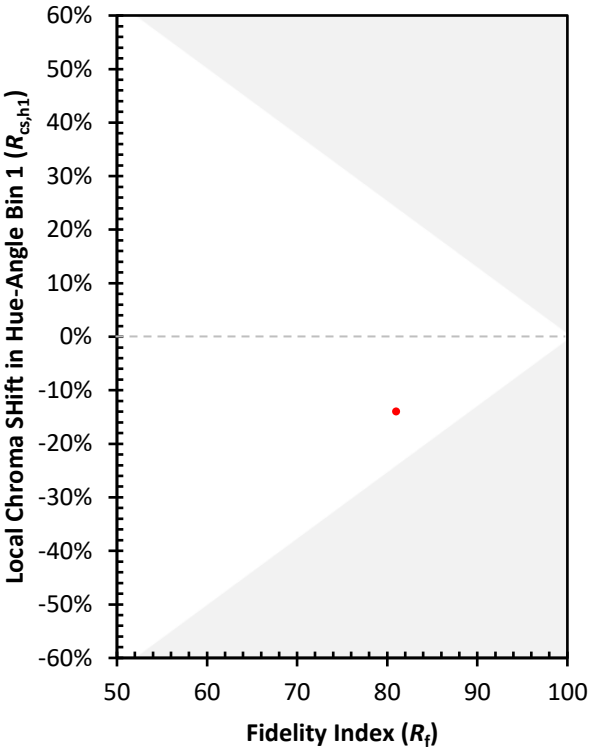


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Measure Comparisons





(END OF REPORT)