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: P1046545

Luminaire Tested: **FFX-CLB-70-722-U-FR-T3-UPLR-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046545
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-722-U-FR-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8247.4 lumens
Efficiency:	N/A
Efficacy:	115.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

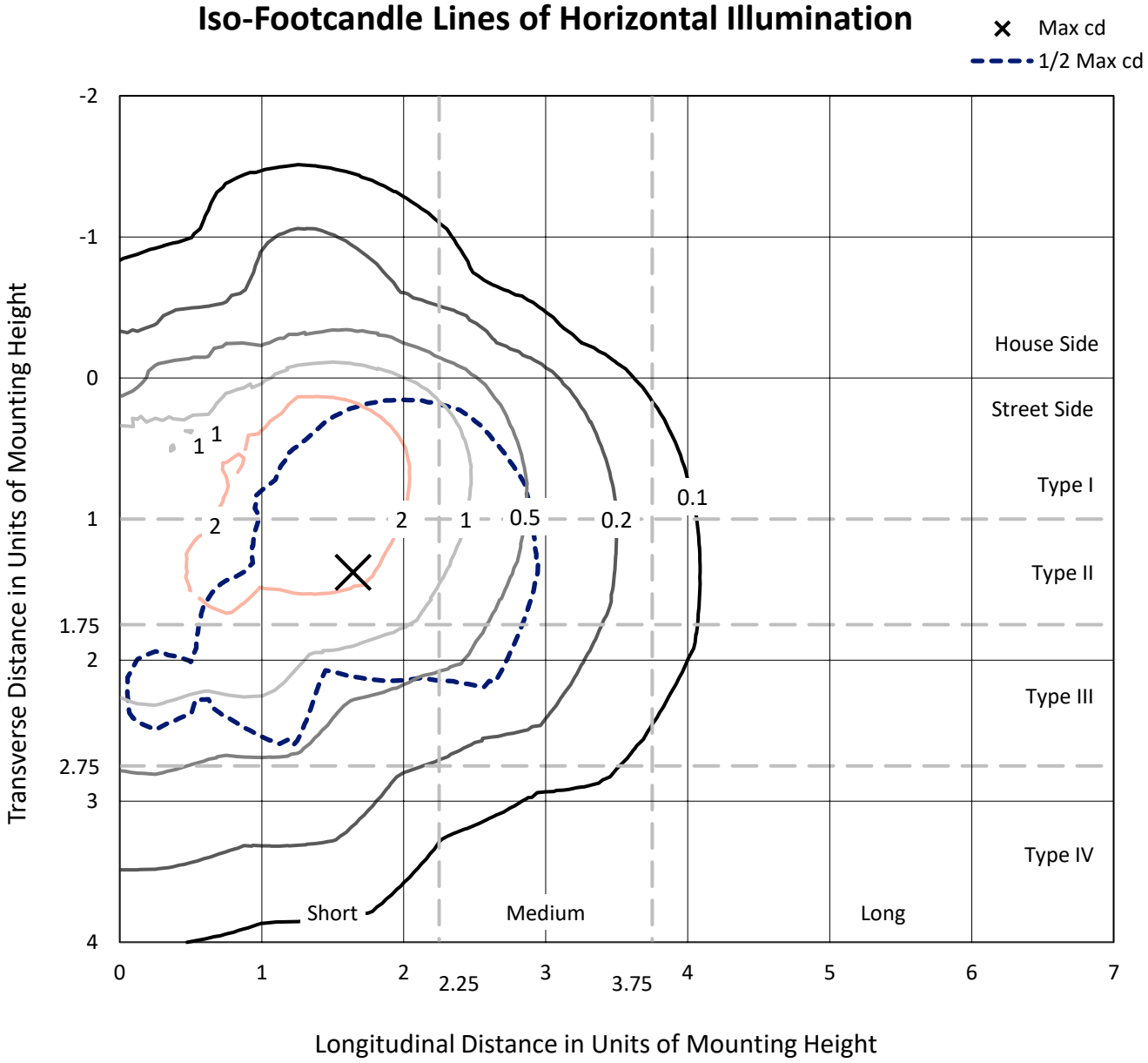


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Iso-Footcandle Lines of Horizontal Illumination



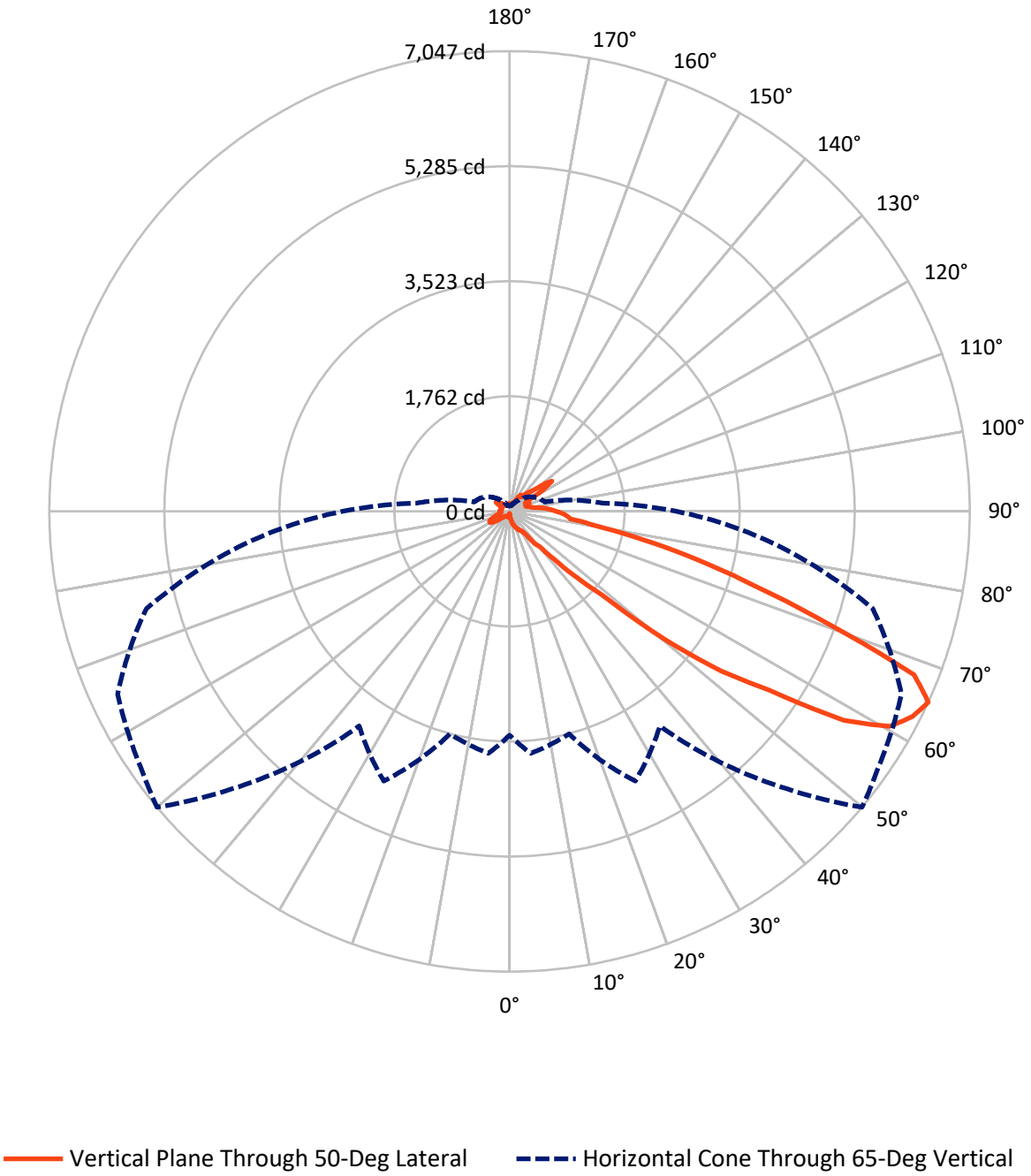
Based on 15 foot mounting height. Maximum calculated value = 4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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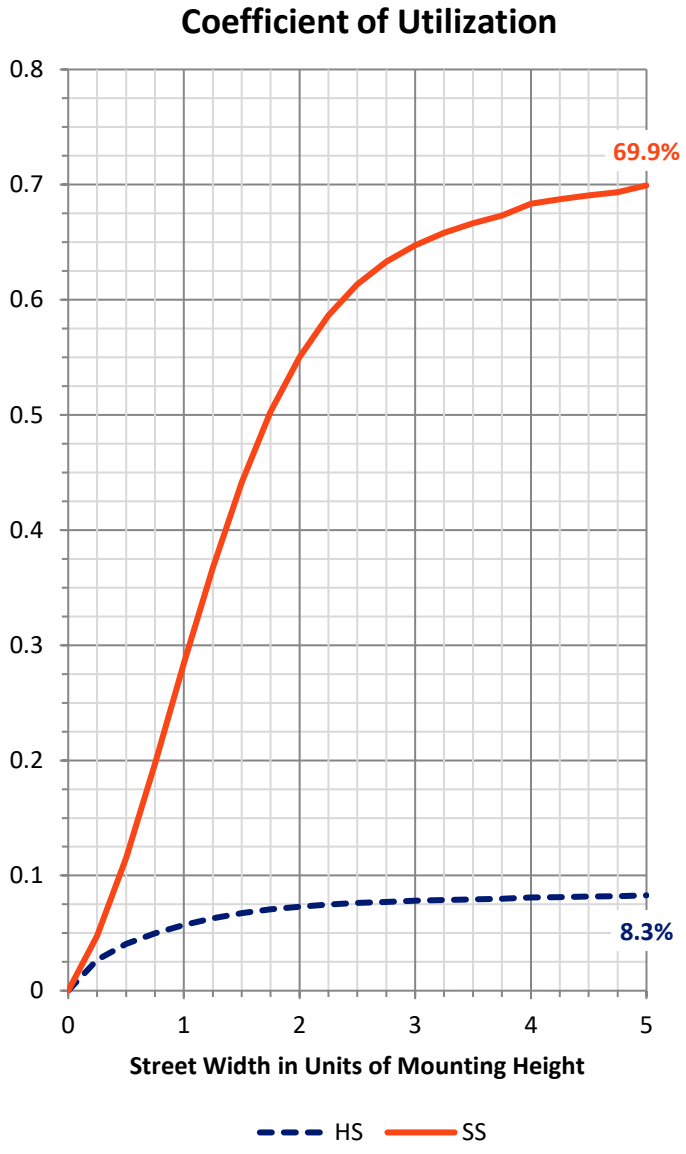
REPORT NUMBER: P1046545
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	723.4	476.2	1199.7
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	5965.9	1081.8	7047.7
	% Fixture	72.3	13.1	85.5
Total	Lumens	6689.4	1558.0	8247.4
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	43.0	0.5
20°-30°	91.9	1.1
30°-40°	183.5	2.2
40°-50°	480.8	5.8
50°-60°	1592.8	19.3
60°-70°	2512.0	30.5
70°-80°	1311.7	15.9
80°-90°	465.8	5.6
90°-100°	300.6	3.6
100°-110°	202.8	2.5
110°-120°	231.4	2.8
120°-130°	383.4	4.6
130°-140°	219.0	2.7
140°-150°	119.9	1.5
150°-160°	58.7	0.7
160°-170°	31.1	0.4
170°-180°	11.2	0.1
0°-90°	6689.4	81.1
0°-180°	8247.4	100.0



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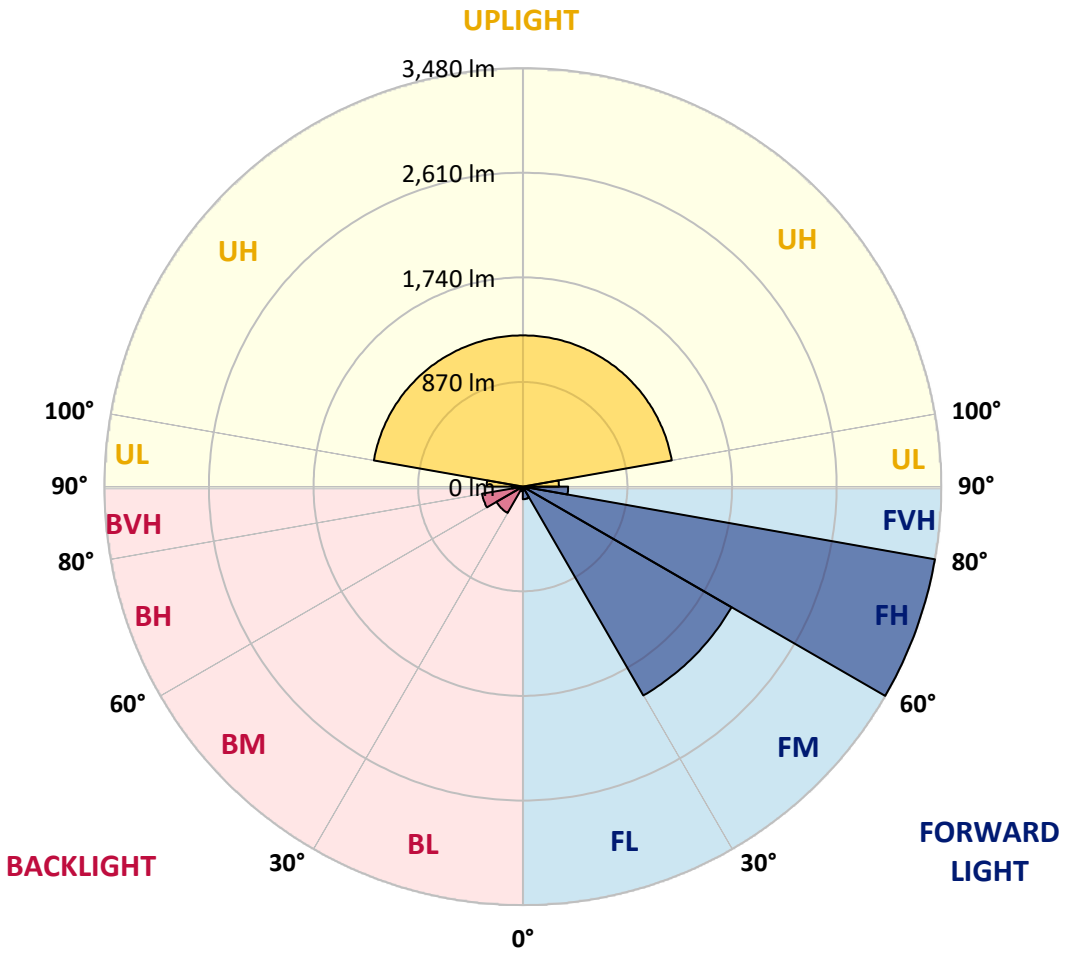
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	104.9	1.3			
FM	(30°-60°)	2004.2	24.3			
FH	(60°-80°)	3479.6	42.2			G2/5000
FVH	(80°-90°)	377.1	4.6			G3/500
BL	(0°-30°)	37.9	0.5	B0/110		
BM	(30°-60°)	252.9	3.1	B1/1000		
BH	(60°-80°)	344.0	4.2	B1/500		G1/500
BVH	(80°-90°)	88.6	1.1			G1/100
UL	(90°-100°)	300.6	3.6		U3/500	
UH	(100°-180°)	1257.4	15.2		U5	

BUG Rating: B1-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	46.0	46.0	46.0	46.0	46.0	46.0	*46.0*	46.0	46.0	46.0	46.0
2.5°	56.0	55.4	56.5	58.3	57.7	56.0	*54.8*	54.2	52.5	51.9	50.1
5°	82.8	82.2	81.0	82.2	82.8	80.4	*79.3*	76.4	73.4	68.2	65.3
7.5°	116.0	116.6	117.7	114.8	113.7	108.4	*107.2*	104.3	99.7	93.3	91.5
10°	157.4	158.0	160.9	156.2	148.6	142.2	*141.1*	142.2	147.5	131.1	121.2
12.5°	198.2	196.4	205.2	202.8	192.9	183.6	*178.9*	179.5	177.2	165.0	148.6
15°	236.1	236.1	242.5	244.8	234.3	212.7	*205.8*	204.0	202.8	190.0	167.3
17.5°	260.0	261.1	261.7	261.7	258.2	240.1	*232.0*	228.5	218.0	206.3	185.4
20°	279.8	280.4	275.1	275.7	280.9	265.2	*257.0*	250.1	239.0	226.7	200.5
22.5°	307.2	306.0	297.8	294.3	306.0	292.6	*283.9*	276.3	262.9	248.9	225.0
25°	337.5	336.3	328.2	319.4	327.6	315.3	*306.0*	299.0	286.8	277.4	228.5
27.5°	366.6	365.5	351.5	350.3	343.3	337.5	*327.6*	325.8	316.5	289.1	226.7
30°	388.2	387.0	371.9	372.5	354.4	359.0	*344.5*	343.3	332.2	296.1	230.8
32.5°	396.4	397.5	391.1	388.2	363.7	382.4	*369.0*	364.3	361.4	314.7	251.2
35°	426.1	435.4	445.3	448.8	426.7	461.6	*434.2*	430.7	437.7	382.9	313.6
37.5°	655.1	650.5	613.8	561.9	550.2	627.2	*623.1*	626.0	621.3	545.0	415.0
40°	655.7	658.6	635.3	603.9	567.1	645.8	*705.9*	652.8	730.3	593.9	455.2
42.5°	689.0	679.6	735.0	747.2	706.4	823.6	*1000.8*	800.9	968.1	723.9	619.6
45°	815.4	815.4	825.3	831.2	816.6	1110.9	*1453.7*	1117.4	1294.0	905.8	743.7
47.5°	946.0	934.9	991.5	1086.5	1143.0	1429.8	*1918.8*	1476.4	1755.0	1217.6	1032.3
50°	1319.0	1334.8	1443.2	1553.9	1638.4	2128.6	*3089.2*	2529.7	2866.6	1872.2	1576.1
52.5°	1608.7	1700.8	1784.2	2094.8	2132.7	2908.5	*4060.9*	3394.0	3672.7	2630.5	1951.4
55°	1907.7	2090.2	2139.7	2688.2	2731.3	3737.4	*4834.3*	4299.2	4377.9	3468.1	2316.9
57.5°	2455.6	2710.3	2727.2	3312.4	3310.7	4815.1	*6035.6*	5598.5	5539.0	4416.4	2877.0
60°	2927.2	3217.4	3113.7	3924.5	3742.6	5609.5	*6686.7*	6246.0	6116.0	5177.0	3271.1
62.5°	3213.4	3496.6	3369.0	4327.8	4018.3	5989.6	*6922.2*	6665.1	6443.6	5637.5	3592.2
65°	*3426.7*	*3718.7*	*3527.5*	*4556.9*	*4013.1*	*6008.2*	*7046.9*	*6880.8*	*6621.4*	*5757.6*	*3662.8*
67.5°	3398.7	3683.7	3454.7	4465.9	3732.7	5471.4	*6680.3*	6473.3	6152.8	5294.2	3425.5
70°	2947.0	3118.9	2867.1	3803.8	2984.3	4232.2	*5203.9*	5084.4	4776.0	4052.7	2649.7
72.5°	2480.7	2523.2	2287.2	2977.3	2326.8	3083.4	*3954.2*	3826.5	3624.3	3007.6	2002.7
75°	1915.9	1915.9	1780.7	2232.4	1728.8	2188.1	*2993.0*	2960.4	2835.7	2256.9	1520.7
77.5°	1294.0	1226.4	1206.0	1507.9	1194.3	1443.8	*2083.8*	2160.7	2128.1	1615.7	1108.6
80°	754.2	770.6	742.0	930.8	785.7	944.2	*1337.1*	1438.5	1435.6	1073.1	727.4
82.5°	588.1	599.8	570.0	670.3	599.8	743.2	*937.3*	930.8	953.0	777.5	547.3
85°	579.4	588.1	557.2	619.6	575.9	705.9	*880.7*	879.0	874.3	719.8	514.1
87.5°	526.9	538.6	511.8	561.9	522.3	644.7	*800.3*	809.6	796.2	675.0	494.3
90°	440.6	452.9	441.2	499.5	458.7	556.1	*695.9*	702.9	691.3	601.5	445.9
92.5°	396.4	404.5	390.5	441.2	398.1	488.4	*614.9*	619.0	600.9	529.2	385.9
95°	365.5	373.6	356.1	393.4	351.5	430.7	*523.4*	536.8	510.0	446.5	328.7
97.5°	303.7	298.4	291.4	323.5	290.9	339.2	*400.4*	410.3	393.4	346.2	261.7
100°	262.9	264.6	261.7	285.0	255.3	291.4	*339.2*	343.3	336.3	301.9	236.6
102.5°	254.7	255.3	260.5	276.3	241.9	268.1	*308.9*	311.3	309.5	276.9	218.6
105°	252.4	251.8	254.7	271.6	236.1	245.4	*284.4*	285.6	279.8	257.6	204.6
107.5°	238.4	240.1	239.6	254.7	232.0	233.1	*258.2*	257.6	256.5	236.1	193.5
110°	273.4	270.5	258.2	258.8	236.6	242.5	*267.5*	264.6	258.8	246.6	211.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	388.8	380.6	366.6	320.6	297.3	313.6	*330.5*	333.4	327.0	315.9	267.0
115°	431.3	430.2	414.4	384.1	307.2	313.0	*324.1*	328.7	336.3	314.7	273.4
117.5°	353.8	373.0	348.6	352.6	308.9	271.6	*269.9*	260.5	264.6	262.3	253.0
120°	446.5	450.0	400.4	391.1	360.8	373.0	*373.6*	374.8	362.5	303.7	267.5
122.5°	627.8	627.8	641.7	667.4	651.6	629.5	*616.7*	603.9	586.9	531.0	454.1
125°	796.2	795.0	787.5	800.3	784.5	793.3	*797.4*	800.9	782.8	714.6	609.7
127.5°	641.7	658.1	685.5	754.8	711.1	698.9	*687.2*	695.4	682.0	669.1	603.9
130°	497.2	498.9	543.8	588.1	584.6	545.6	*532.2*	508.8	514.1	512.3	473.3
132.5°	424.9	427.2	453.5	478.5	499.5	471.0	*444.7*	432.5	436.6	433.7	408.6
135°	371.3	371.3	362.0	359.0	376.5	402.8	*399.8*	384.1	376.5	367.8	330.5
137.5°	321.2	320.0	303.1	293.8	307.8	341.6	*343.9*	343.9	336.3	315.3	288.5
140°	264.6	262.9	254.1	255.9	259.4	282.1	*283.9*	289.1	287.9	271.0	238.4
142.5°	200.5	201.1	213.9	228.5	236.6	285.6	*278.0*	272.2	290.9	289.7	208.1
145°	267.5	261.7	261.7	255.3	274.5	322.9	*307.8*	312.4	336.9	314.2	225.0
147.5°	245.4	248.3	248.9	247.7	272.2	275.1	*264.0*	264.6	273.4	273.4	230.2
150°	190.0	185.4	186.5	188.8	214.5	212.7	*202.8*	202.3	209.3	207.5	188.3
152.5°	150.4	149.8	149.2	151.5	172.5	163.8	*159.7*	158.0	156.8	155.0	150.4
155°	141.6	141.1	139.9	142.8	155.0	151.0	*148.6*	148.6	145.7	142.8	139.9
157.5°	125.9	125.3	125.9	131.7	138.7	134.1	*133.5*	132.9	131.7	128.2	127.1
160°	117.7	117.2	118.3	123.0	125.9	121.8	*120.7*	121.2	120.7	118.9	121.2
162.5°	111.3	111.3	111.3	114.2	115.4	112.5	*111.9*	112.5	113.1	113.1	116.0
165°	107.8	107.8	108.4	110.2	110.2	109.0	*107.8*	107.8	110.7	111.9	114.2
167.5°	110.2	110.2	110.7	111.3	111.3	110.2	*110.2*	110.7	112.5	113.7	113.7
170°	113.7	113.7	113.7	114.2	113.7	111.9	*111.9*	111.9	112.5	112.5	113.1
172.5°	117.7	117.7	117.7	117.2	116.0	115.4	*114.2*	114.2	114.8	114.2	114.8
175°	123.6	123.0	123.0	122.4	121.8	121.2	*120.7*	120.1	120.1	118.3	118.3
177.5°	126.5	125.9	126.5	126.5	125.9	124.7	*123.6*	123.6	123.0	121.8	121.2
180°	121.8	121.8	121.8	121.8	121.8	121.8	*121.8*	121.8	121.8	121.8	121.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
2.5°	49.0	47.2	42.5	38.5	35.6	34.4	34.4	32.6	30.3	28.6	28.0
5°	64.7	63.5	61.8	59.5	54.2	47.2	41.4	39.1	37.9	37.3	36.7
7.5°	91.5	92.7	95.0	94.4	84.5	65.9	54.8	54.2	60.6	67.6	69.9
10°	118.3	117.2	124.7	131.1	106.7	74.6	56.5	54.8	63.5	75.8	77.5
12.5°	141.6	135.8	131.7	124.7	102.0	74.6	60.6	57.1	61.2	70.5	70.5
15°	159.1	151.5	134.6	118.3	97.9	76.9	62.9	60.6	60.6	57.7	58.3
17.5°	172.5	158.5	134.1	113.1	90.9	73.4	62.4	56.0	52.5	47.8	46.6
20°	188.3	178.4	145.7	116.6	89.8	71.1	60.6	53.0	49.0	47.2	46.6
22.5°	205.2	184.8	153.3	117.7	89.8	72.3	60.0	51.9	48.4	47.2	47.2
25°	206.9	189.4	157.4	122.4	92.7	74.6	61.2	52.5	49.0	47.8	47.2
27.5°	204.6	192.3	164.4	127.6	95.6	76.9	63.5	53.6	49.0	47.2	46.6
30°	213.3	203.4	172.5	131.1	98.5	79.9	65.9	56.0	50.1	46.6	46.0
32.5°	235.5	221.5	183.6	133.5	99.7	80.4	68.2	58.3	51.3	47.2	46.6
35°	293.8	280.9	226.2	141.6	99.7	81.6	69.9	60.0	52.5	47.8	47.2
37.5°	378.3	354.4	278.0	169.0	100.8	83.9	71.7	62.4	54.2	49.0	47.8
40°	401.0	338.6	236.1	151.5	103.2	86.3	74.6	64.7	56.5	50.7	50.1
42.5°	520.5	433.1	291.4	160.3	110.2	88.0	76.4	67.0	58.3	52.5	51.3
45°	557.2	433.7	296.1	185.4	129.4	95.6	79.3	68.8	59.5	53.6	53.0
47.5°	730.3	538.0	301.9	198.8	145.1	110.2	86.3	71.1	60.6	54.8	54.2
50°	1070.7	758.9	374.8	248.3	179.5	134.6	101.4	75.8	61.8	56.5	55.4
52.5°	1335.9	910.4	406.3	303.7	238.4	177.8	127.6	88.0	65.3	57.7	56.5
55°	1628.5	1118.5	461.6	366.0	289.1	222.7	162.0	106.1	72.3	59.5	58.3
57.5°	2031.3	1335.4	542.1	431.9	350.9	260.0	184.8	124.2	81.6	63.5	61.2
60°	2276.1	1427.4	554.9	467.5	387.6	289.7	194.7	131.7	91.5	69.4	65.9
62.5°	2510.4	1491.0	558.4	481.5	396.4	295.5	195.8	128.2	95.0	77.5	72.9
65°	*2558.2*	*1428.0*	*559.6*	*484.4*	*385.9*	*280.4*	*189.4*	*124.7*	*90.9*	*84.5*	*85.1*
67.5°	2396.8	1268.3	518.8	463.4	357.9	250.1	170.2	119.5	89.8	83.4	85.1
70°	1884.4	993.8	473.9	429.6	303.7	212.7	151.5	112.5	89.8	80.4	78.7
72.5°	1463.0	849.2	485.5	408.0	260.0	190.0	137.0	104.9	86.8	79.9	78.7
75°	1135.4	708.8	478.5	359.0	212.2	163.2	123.0	96.2	82.8	78.7	78.1
77.5°	830.0	559.0	395.8	275.1	176.0	138.7	108.4	90.3	80.4	76.9	76.4
80°	533.9	391.1	275.7	219.7	154.5	126.5	101.4	86.3	79.3	76.9	76.4
82.5°	450.0	355.0	248.3	208.1	149.2	128.8	106.1	90.3	83.4	81.0	80.4
85°	433.1	365.5	255.3	216.8	142.8	123.0	103.8	90.3	83.9	81.0	80.4
87.5°	411.5	330.5	251.8	199.3	137.6	118.3	102.0	92.7	86.3	84.5	83.9
90°	372.5	291.4	230.8	185.4	145.1	125.9	112.5	102.6	96.2	92.1	90.9
92.5°	314.2	234.3	198.2	183.0	159.1	142.8	129.4	120.7	113.7	109.6	107.8
95°	264.6	204.6	172.5	162.0	140.5	128.2	115.4	109.0	103.8	100.3	100.3
97.5°	215.7	175.4	160.3	152.1	134.6	121.2	110.7	104.3	102.6	101.4	100.8
100°	202.8	171.9	161.5	154.5	140.5	128.2	120.1	114.2	113.7	113.1	113.1
102.5°	188.3	162.6	151.0	144.0	130.0	119.5	113.7	109.0	107.2	105.5	103.8
105°	177.8	153.9	145.1	135.8	124.7	114.2	108.4	101.4	100.3	99.7	99.7
107.5°	172.5	152.7	148.0	133.5	123.0	118.3	111.3	102.6	100.8	98.5	98.5
110°	190.6	169.6	156.2	138.1	127.1	123.0	121.2	113.7	107.8	100.8	100.3

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

Scaled Data Report

REPORT NUMBER: P1046545
CATALOG NUMBER: FFX-CLB-70-722-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	236.1	207.5	191.8	165.0	142.2	132.3	124.7	116.6	113.1	108.4	106.7
115°	254.1	225.0	205.2	178.4	152.1	134.6	123.6	122.4	118.9	116.0	118.9
117.5°	260.5	204.6	169.0	162.6	142.8	128.8	123.6	121.8	123.0	123.0	117.7
120°	280.9	220.9	207.5	199.3	162.0	139.3	127.6	133.5	132.3	125.3	125.3
122.5°	419.1	374.2	329.9	275.1	228.5	201.7	162.0	135.8	130.6	125.9	123.0
125°	552.0	511.8	442.4	369.5	289.1	213.9	160.9	142.2	132.3	126.5	127.6
127.5°	562.5	519.9	440.6	351.5	258.2	199.9	162.0	145.7	134.6	128.2	127.1
130°	439.5	409.2	349.7	284.4	219.2	178.9	149.8	133.5	123.6	117.7	116.6
132.5°	388.8	363.1	301.3	244.2	199.9	166.1	141.1	123.0	116.0	111.9	111.3
135°	310.7	289.1	247.7	216.8	185.9	158.0	132.9	116.0	109.6	109.0	107.8
137.5°	272.2	254.7	222.7	197.0	171.4	144.6	123.6	109.6	106.7	107.2	105.5
140°	222.1	214.5	196.4	174.3	146.9	118.9	104.3	99.7	104.3	106.7	106.7
142.5°	190.6	180.7	160.3	134.6	117.2	104.3	102.6	100.8	103.2	104.3	104.3
145°	175.4	163.8	146.9	137.6	129.4	118.3	109.0	100.8	98.5	99.1	99.1
147.5°	198.2	184.8	173.7	156.2	136.4	117.7	103.8	94.4	94.4	96.8	97.3
150°	164.4	152.7	145.1	135.2	120.1	104.9	95.0	90.3	92.1	96.8	97.3
152.5°	137.6	123.6	118.9	113.1	104.9	96.8	92.1	89.8	92.7	96.2	96.2
155°	134.1	121.8	116.0	110.2	102.6	95.6	91.5	90.3	93.3	95.6	96.2
157.5°	125.9	118.9	111.3	106.7	100.8	95.6	92.7	91.5	93.8	95.6	96.2
160°	121.2	117.2	108.4	104.3	99.1	95.6	95.0	95.0	96.2	96.8	96.8
162.5°	116.0	113.7	108.4	104.9	101.4	99.7	100.8	101.4	101.4	100.8	100.8
165°	114.2	113.1	108.4	105.5	103.8	104.3	106.7	107.2	105.5	104.3	104.3
167.5°	113.7	113.7	110.2	107.8	107.2	108.4	110.7	110.7	109.0	106.7	106.1
170°	113.7	114.2	113.1	113.1	111.9	112.5	113.1	113.1	111.9	110.7	110.2
172.5°	115.4	115.4	115.4	115.4	114.8	115.4	116.0	116.0	116.0	115.4	115.4
175°	118.3	118.3	118.3	117.7	117.2	117.2	117.7	118.3	118.9	118.9	118.9
177.5°	121.2	120.7	120.1	120.7	120.1	120.1	121.2	121.8	122.4	122.4	122.4
180°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8

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

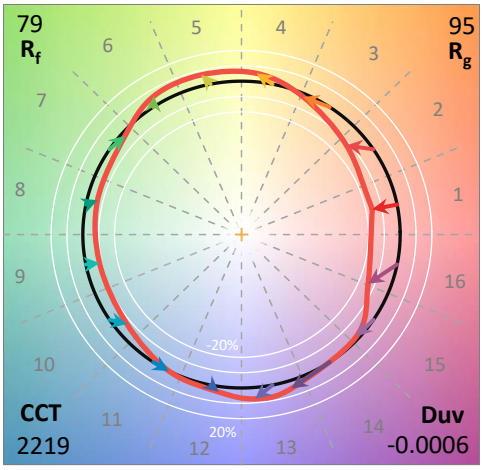
Test Information

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

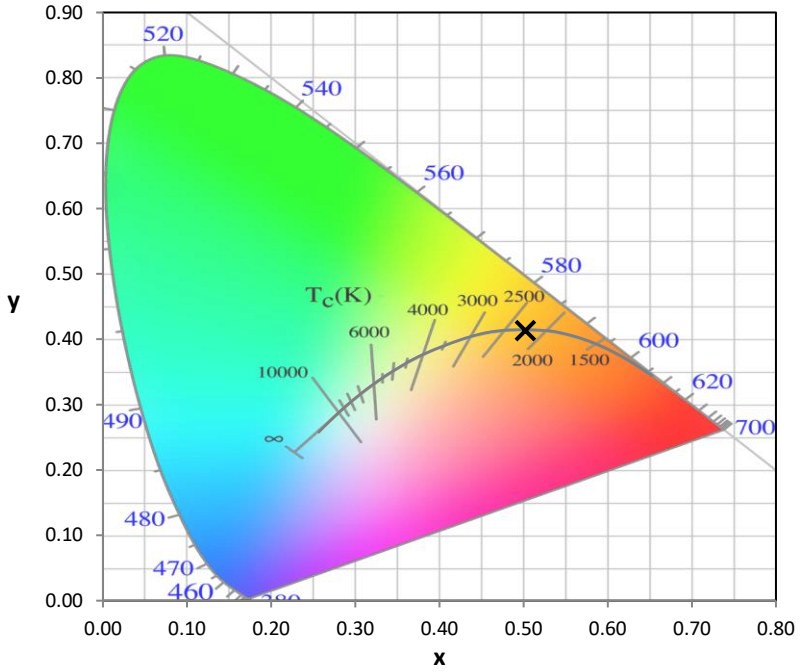
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

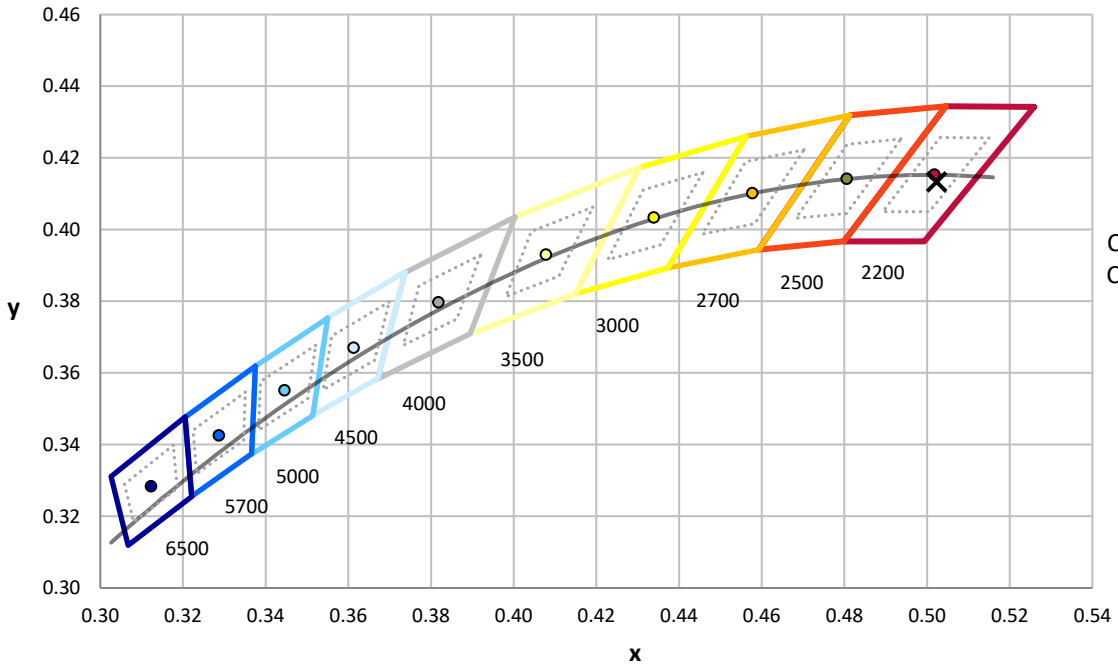
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

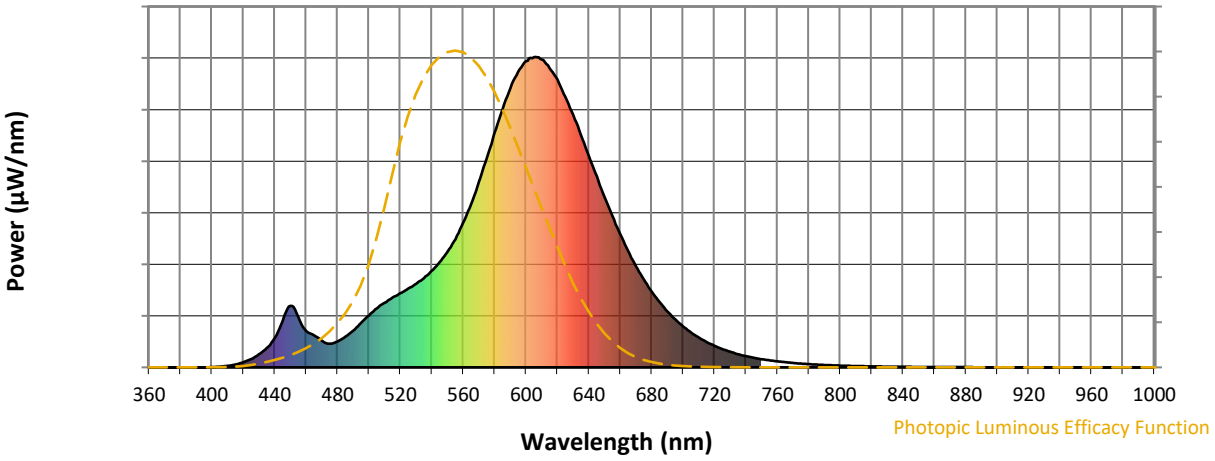


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

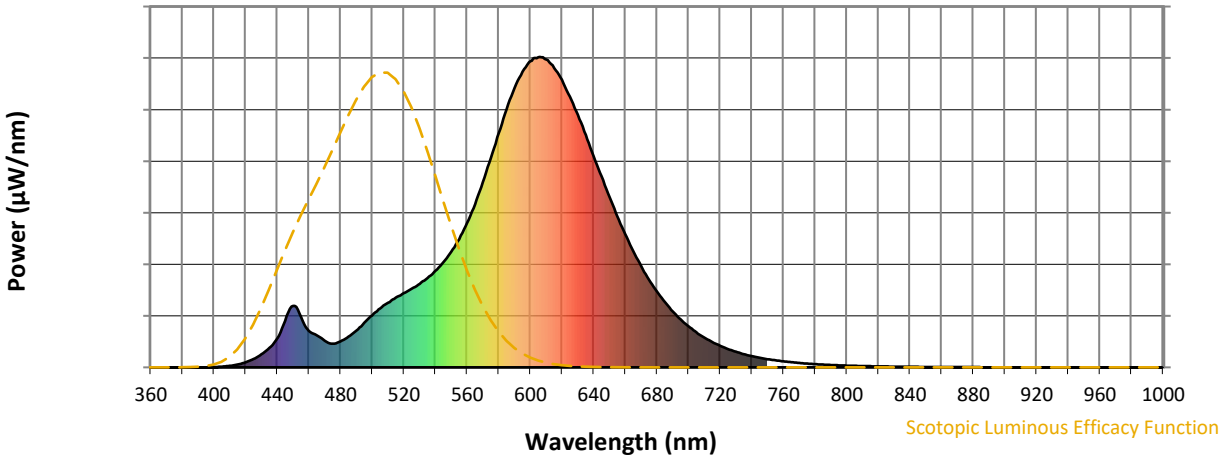


Photopic Lumens: NR

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

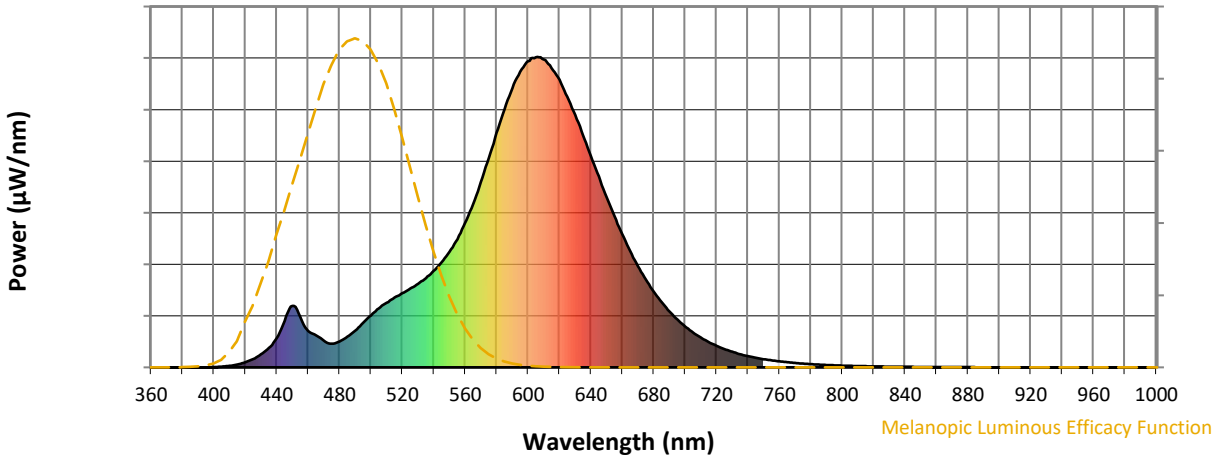


Scotopic Lumens: NR **S/P: 0.94**

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			

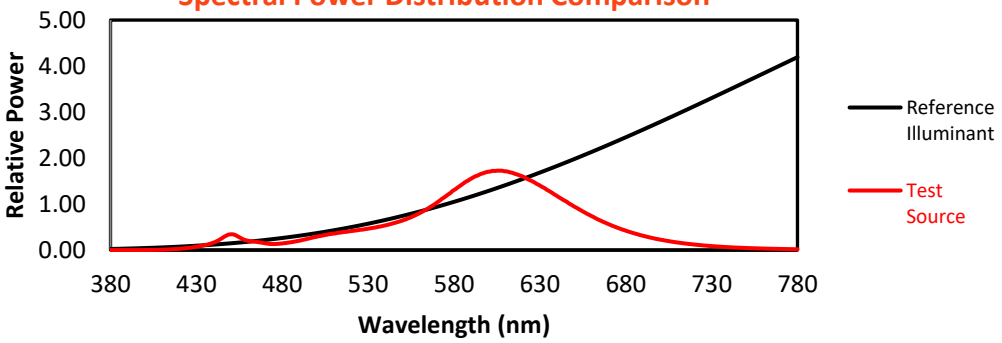
REPORT NUMBER: SP1-2501-332-2

TM-30-18

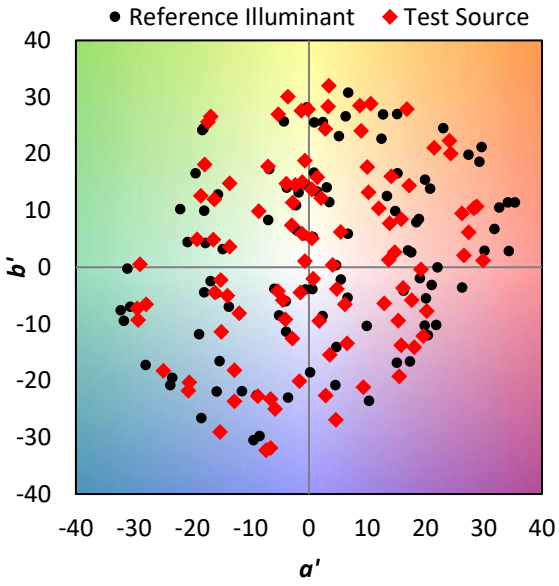
Summary

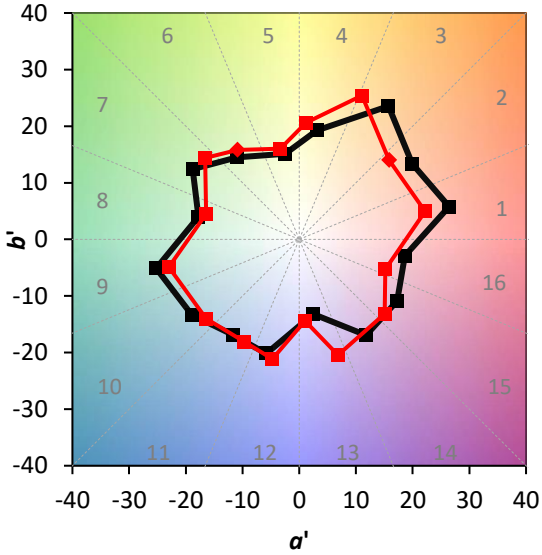
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

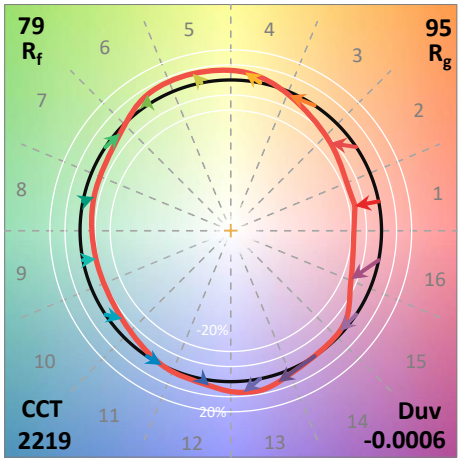
Spectral Power Distribution Comparison

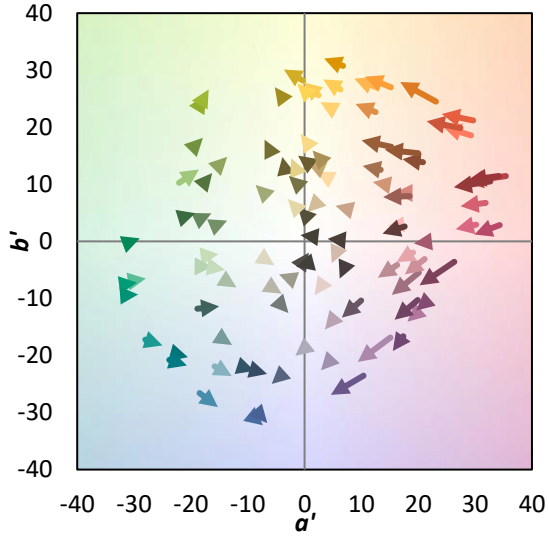


Color Vector Graphics







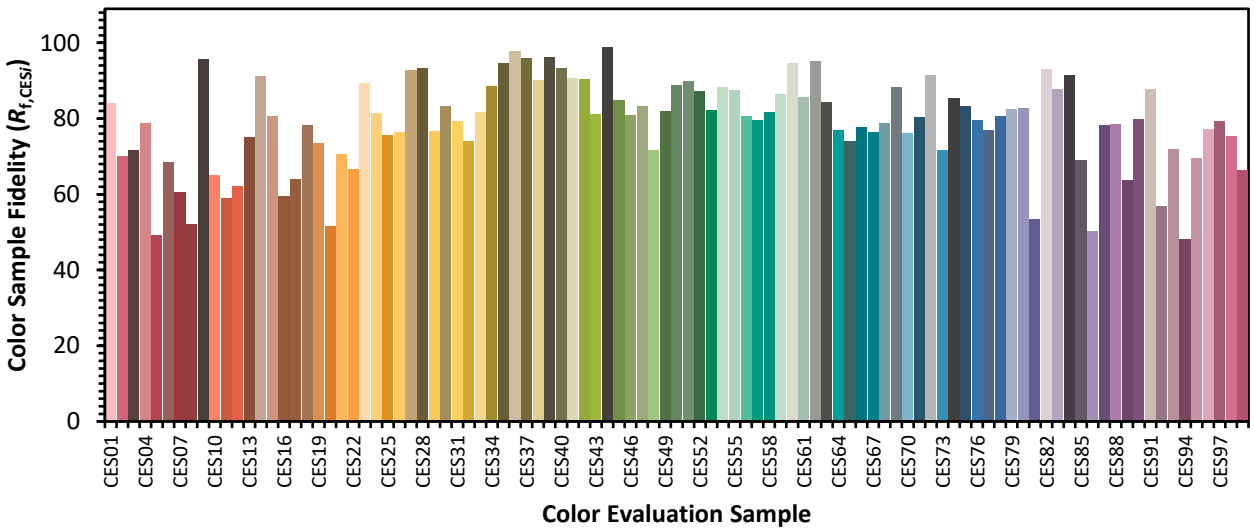


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

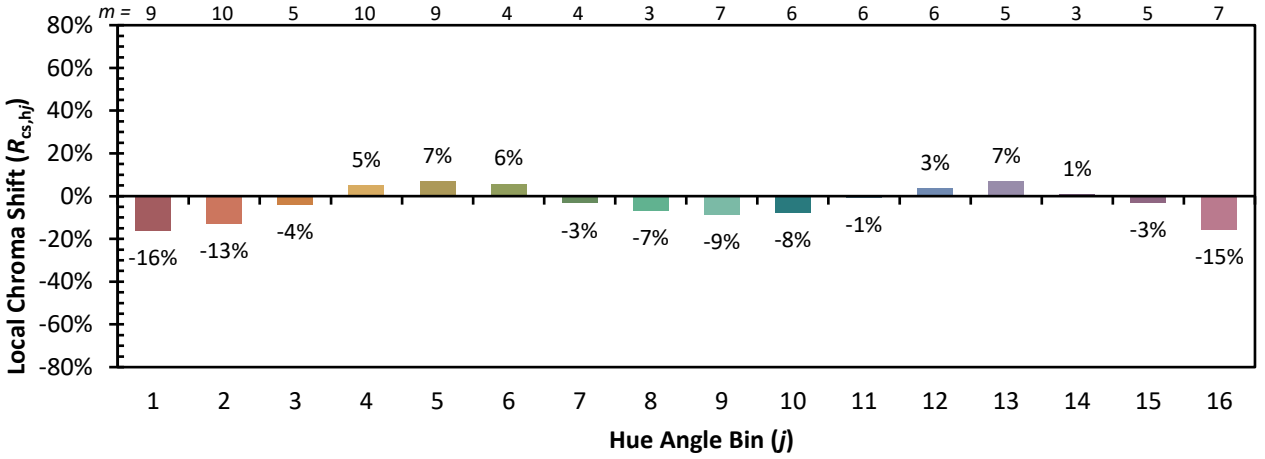
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 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	

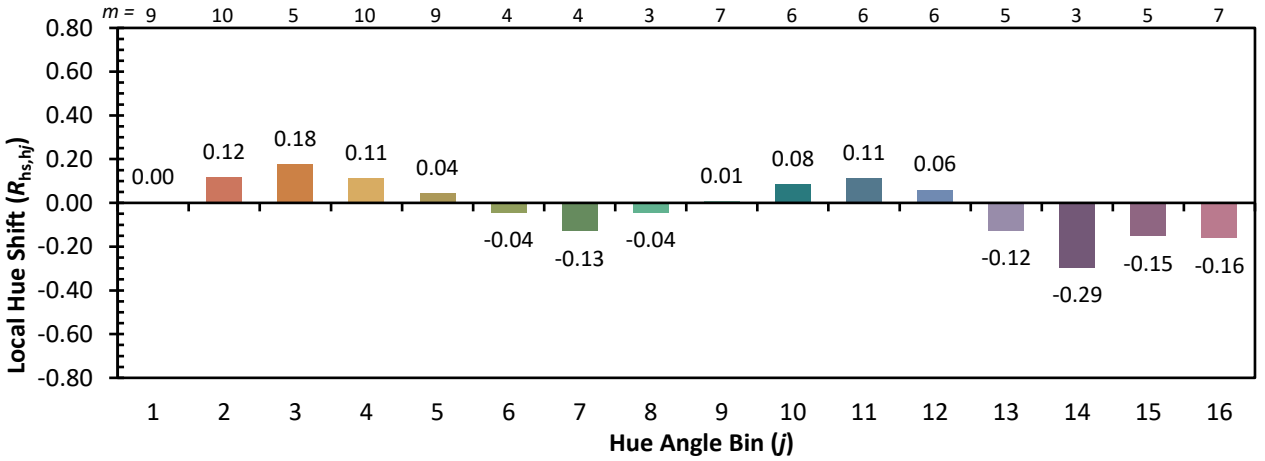


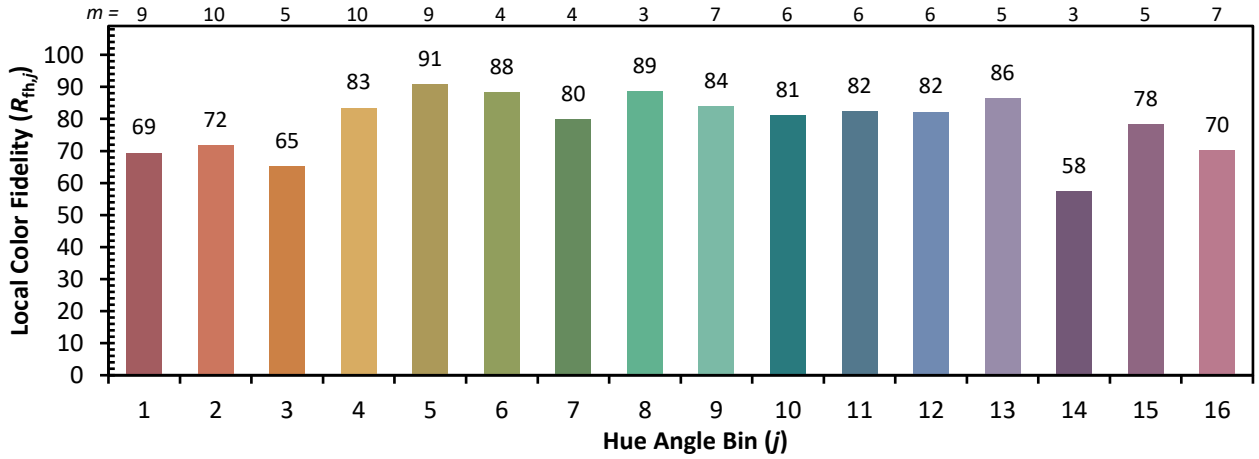
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Color Rendition by Hue-Angle Bin



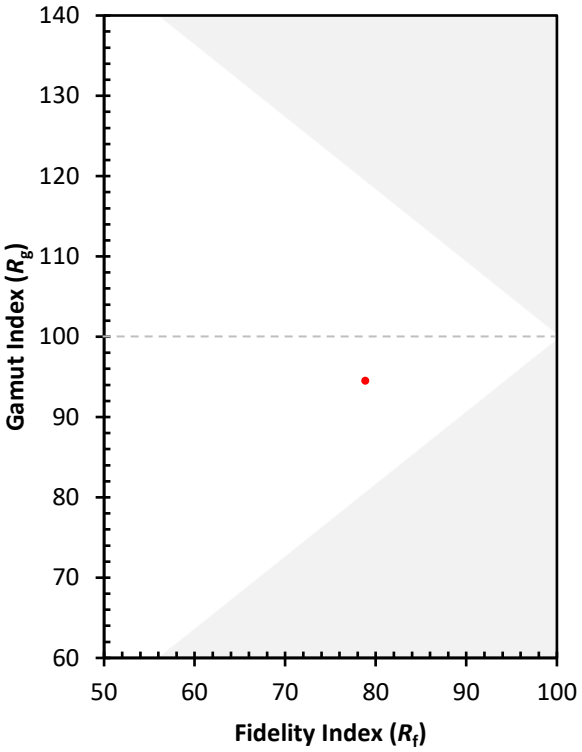


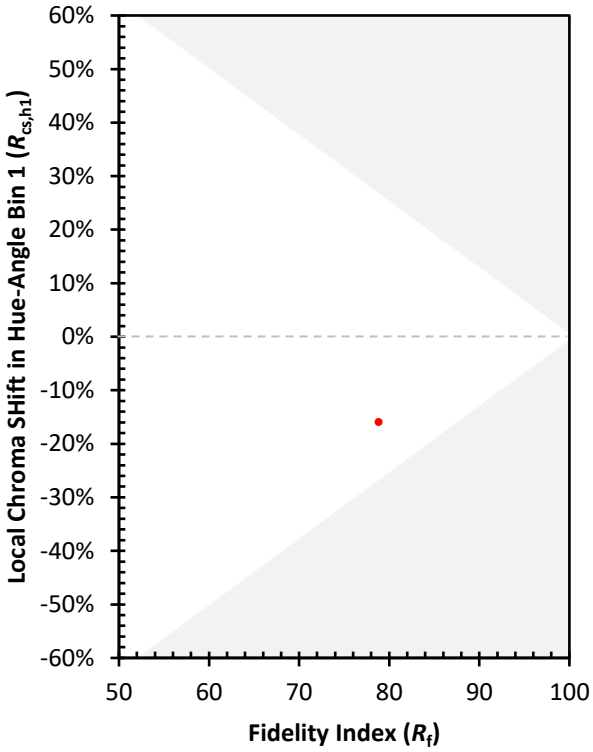


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Measure Comparisons





(END OF REPORT)