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: P1045771

Luminaire Tested: **FFX-CLB-70-750-U-FR-T5-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:	P1045771
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-750-U-FR-T5-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7571.4 lumens
Efficiency:	N/A
Efficacy:	106.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U4 - G3

Input Watts (W):	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

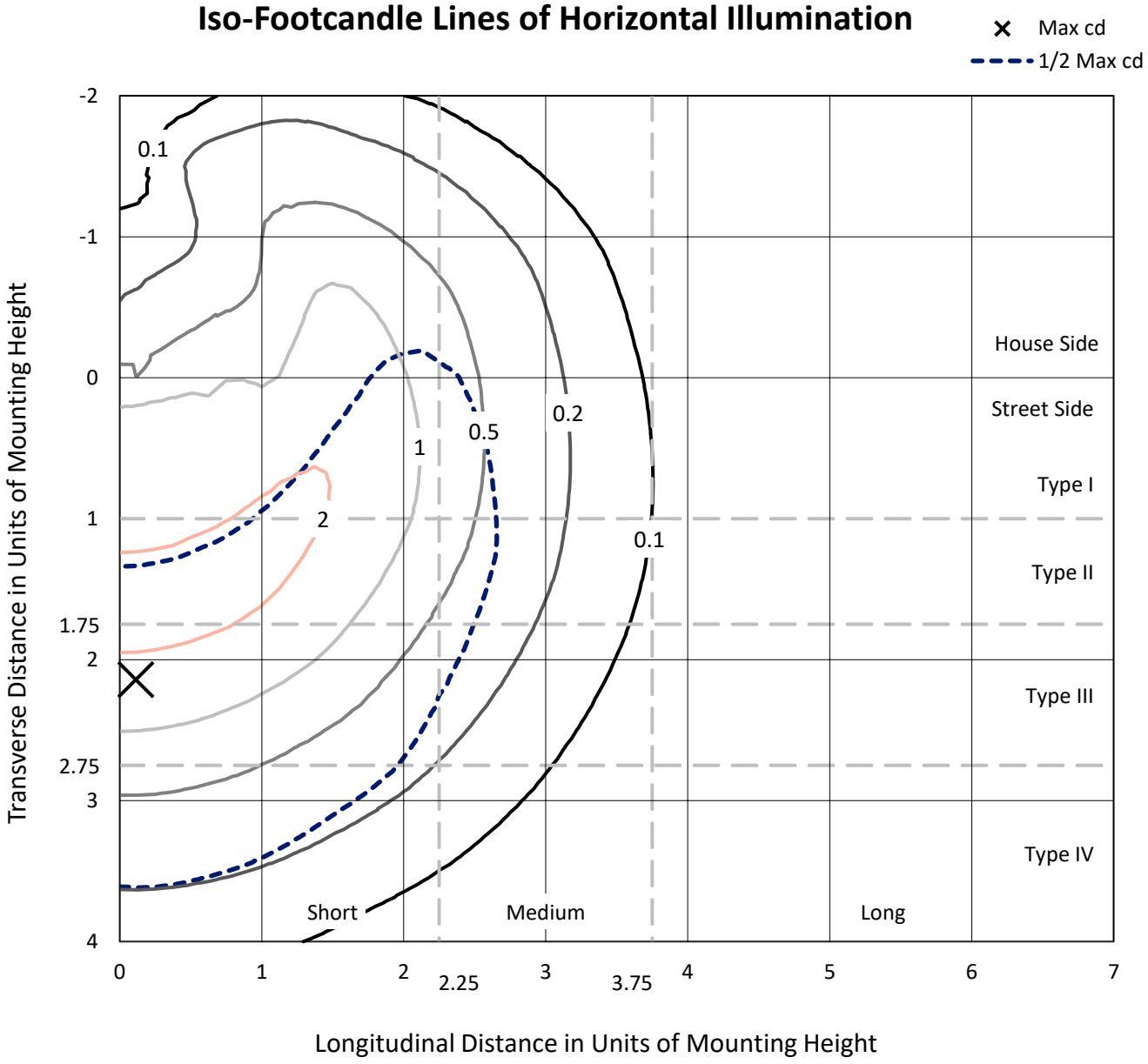


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Iso-Footcandle Lines of Horizontal Illumination



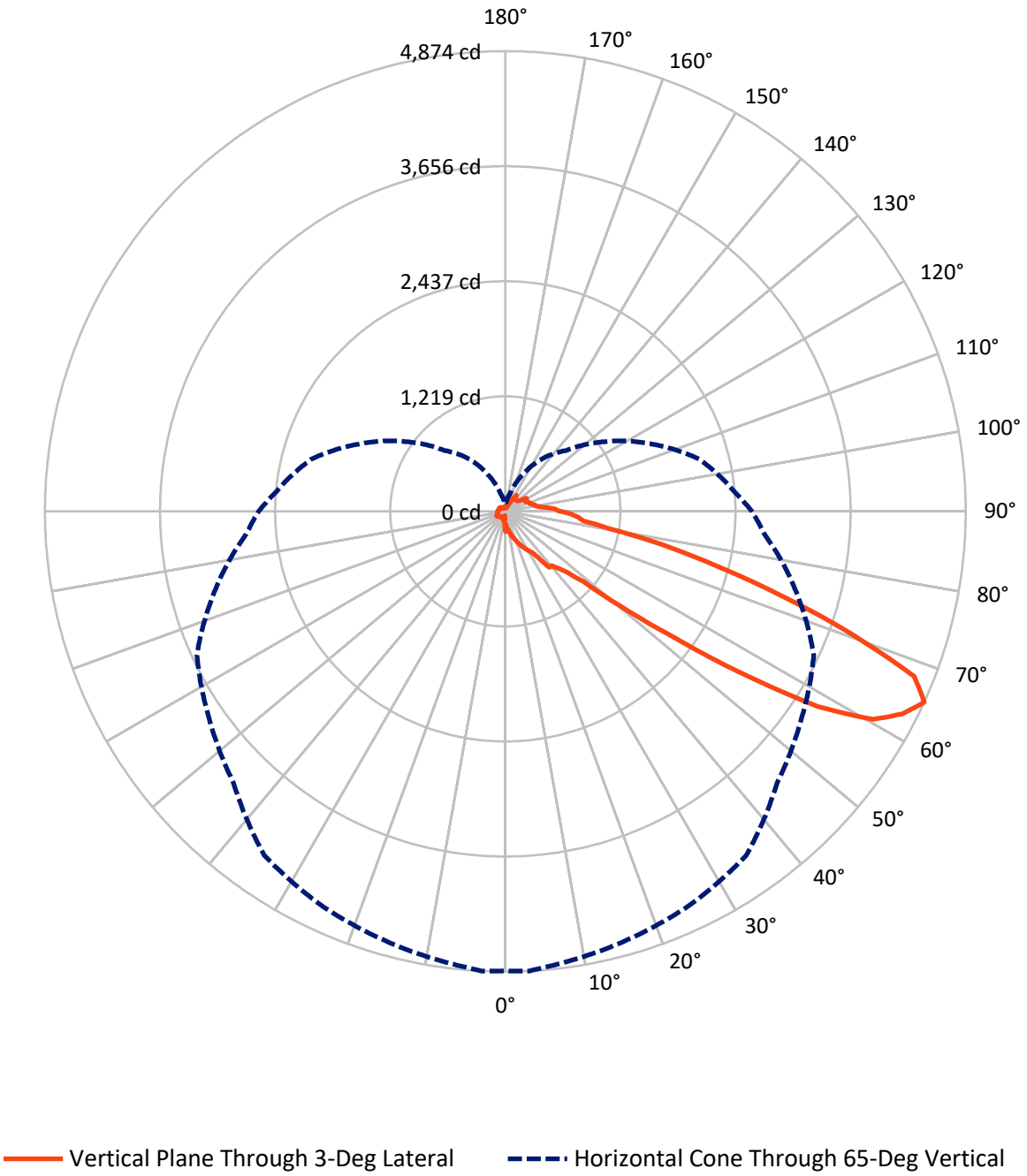
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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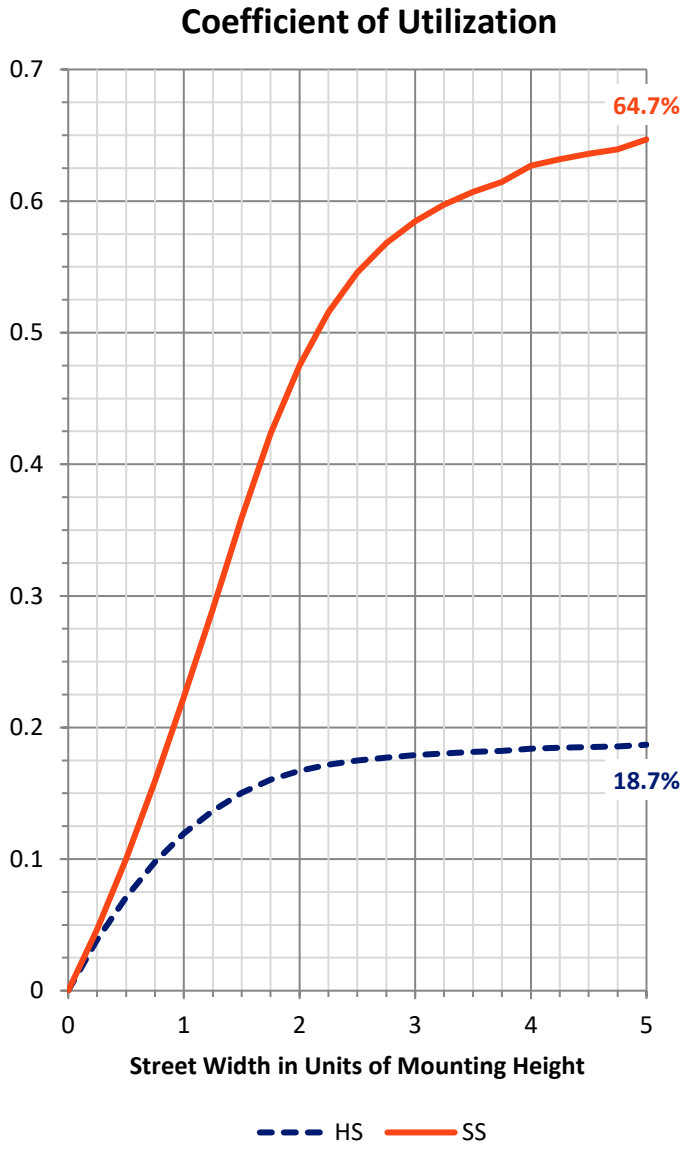
REPORT NUMBER: P1045771
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1464.9	318.5	1783.3
	% Fixture	19.3	4.2	23.6
Street Side	Lumens	5108.0	680.1	5788.1
	% Fixture	67.5	9.0	76.4
Total	Lumens	6572.9	998.6	7571.4
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.2
10°-20°	51.6	0.7
20°-30°	115.1	1.5
30°-40°	232.6	3.1
40°-50°	467.3	6.2
50°-60°	1499.6	19.8
60°-70°	2391.9	31.6
70°-80°	1301.2	17.2
80°-90°	500.0	6.6
90°-100°	298.0	3.9
100°-110°	197.8	2.6
110°-120°	157.6	2.1
120°-130°	131.3	1.7
130°-140°	90.5	1.2
140°-150°	73.1	1.0
150°-160°	32.6	0.4
160°-170°	13.2	0.2
170°-180°	4.5	0.1
0°-90°	6572.9	86.8
0°-180°	7571.4	100.0



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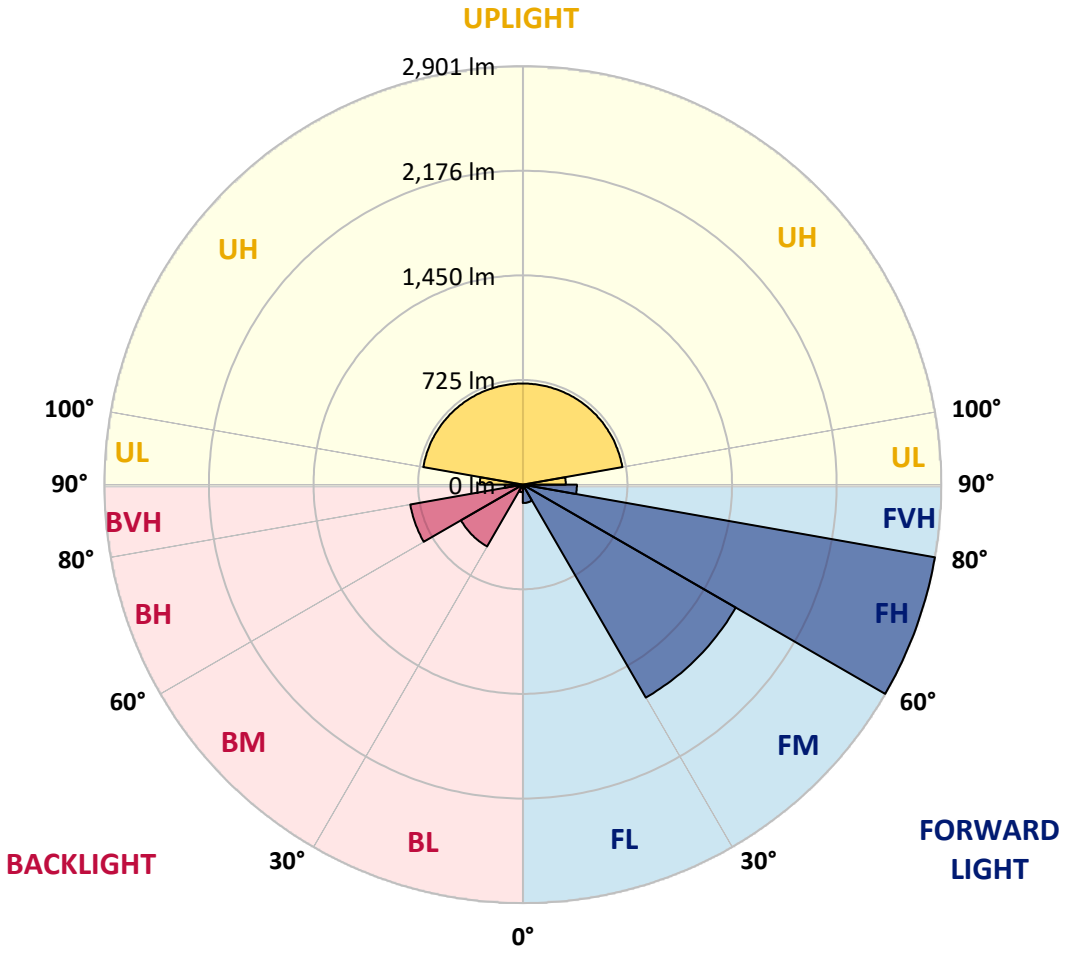
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	127.7	1.7			
FM	(30°-60°)	1704.6	22.5			
FH	(60°-80°)	2900.9	38.3			G2/5000
FVH	(80°-90°)	374.8	5.0			G3/500
BL	(0°-30°)	52.6	0.7	B0/110		
BM	(30°-60°)	495.0	6.5	B1/1000		
BH	(60°-80°)	792.2	10.5	B2/1000		G2/1000
BVH	(80°-90°)	125.2	1.7			G2/225
UL	(90°-100°)	298.0	3.9		U3/500	
UH	(100°-180°)	700.6	9.3		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0
2.5°	138.3	137.4	140.1	152.2	183.6	194.0	185.3	170.5	167.9	183.6	195.7
5°	188.8	187.0	185.3	173.1	160.9	167.0	184.4	188.8	171.4	139.2	118.3
7.5°	191.4	189.6	190.5	190.5	187.9	176.6	163.5	169.6	184.4	164.4	129.6
10°	213.1	212.3	212.3	211.4	208.8	205.3	204.4	191.4	168.8	151.4	144.4
12.5°	248.8	248.8	247.9	247.1	244.4	238.4	230.5	220.1	213.1	192.3	170.5
15°	277.5	274.9	276.6	274.0	269.7	266.2	256.6	245.3	224.4	210.5	191.4
17.5°	305.3	305.3	306.2	301.9	296.6	294.0	283.6	268.8	248.8	224.4	206.2
20°	340.1	337.5	337.5	333.2	327.1	318.4	308.8	295.8	279.2	246.2	221.8
22.5°	373.2	374.1	374.1	367.1	357.5	349.7	336.7	321.0	305.3	271.4	240.1
25°	410.6	409.7	408.9	408.0	398.4	384.5	368.0	351.4	340.1	307.1	263.6
27.5°	445.4	443.7	442.8	447.1	438.4	424.5	400.2	380.2	368.0	334.0	285.3
30°	483.7	482.8	482.8	484.5	481.1	459.3	433.2	409.7	392.3	358.4	306.2
32.5°	517.6	515.9	516.7	523.7	522.8	495.0	471.5	442.8	421.0	394.1	336.7
35°	601.1	597.6	602.9	613.3	621.1	591.5	559.4	515.0	481.9	454.1	394.9
37.5°	751.6	752.5	754.2	740.3	710.7	689.0	673.3	637.6	596.8	549.8	480.2
40°	757.7	756.8	761.2	782.1	794.2	756.8	720.3	678.5	668.1	628.1	539.3
42.5°	828.2	822.9	827.3	847.3	863.8	841.2	809.0	738.6	700.3	664.6	591.5
45°	929.1	923.0	930.8	934.3	930.8	906.5	911.7	854.3	818.6	746.4	644.6
47.5°	1083.0	1110.9	1115.2	1116.1	1150.9	1117.8	1097.0	1042.2	961.3	875.1	759.4
50°	1520.6	1565.9	1550.2	1535.4	1538.0	1512.8	1484.1	1408.4	1299.7	1154.4	989.1
52.5°	2170.4	2153.0	2155.7	2165.2	2189.6	2077.4	2028.6	1914.7	1739.0	1565.0	1326.6
55°	2965.5	2995.1	2993.4	3024.7	3020.4	2899.4	2745.5	2554.1	2298.3	2043.4	1761.6
57.5°	3948.6	3896.4	3861.6	3804.1	3754.6	3590.1	3488.4	3281.3	2942.9	2560.2	2198.3
60°	4500.1	4471.4	4462.7	4383.5	4315.7	4113.8	3904.2	3679.7	3415.3	2962.9	2552.3
62.5°	4707.1	4721.0	4708.9	4657.5	4612.3	4435.7	4083.4	3838.9	3602.3	3167.4	2735.0
65°	4866.3	4874.1	4846.3	4729.7	4606.2	4447.9	4068.6	3827.6	3603.2	3175.2	2752.4
67.5°	4671.5	4669.7	4648.0	4480.1	4271.3	4114.7	3770.2	3511.0	3320.5	2962.9	2554.9
70°	3879.0	3884.2	3888.5	3765.0	3536.2	3419.6	3070.8	2848.1	2683.7	2374.9	2081.7
72.5°	3036.9	3052.5	3059.5	2962.9	2793.3	2673.3	2440.1	2273.1	2120.0	1874.7	1644.1
75°	2284.4	2300.1	2295.7	2235.7	2116.5	2083.5	1970.4	1827.7	1699.8	1509.3	1314.4
77.5°	1713.7	1700.7	1697.2	1638.9	1521.5	1530.2	1498.0	1416.2	1317.1	1204.8	1069.1
80°	1135.2	1123.9	1101.3	1121.3	1111.8	1083.9	1030.9	989.1	949.9	883.0	809.0
82.5°	835.1	831.6	827.3	814.2	805.5	798.6	775.1	708.1	661.1	622.9	578.5
85°	781.2	770.7	772.5	749.9	722.9	698.5	680.3	651.6	615.0	555.0	490.6
87.5°	682.0	682.0	676.8	661.1	634.2	628.1	615.0	595.0	573.3	527.2	469.8
90°	567.2	563.7	563.7	562.8	556.7	552.4	527.2	508.9	499.3	453.2	413.2
92.5°	523.7	522.0	518.5	514.1	496.7	493.2	468.0	444.5	423.6	394.9	363.6
95°	425.4	428.9	421.0	420.2	411.5	406.3	386.2	374.9	361.0	337.5	308.8
97.5°	359.3	354.1	354.9	347.1	338.4	334.9	322.7	306.2	293.2	274.9	254.0
100°	329.7	328.8	327.1	321.0	308.8	301.0	287.9	272.3	259.2	242.7	225.3
102.5°	310.6	309.7	308.8	303.6	289.7	285.3	273.2	261.0	249.7	234.9	212.3
105°	291.4	290.6	288.8	282.7	274.0	269.7	258.4	251.4	240.1	227.0	205.3
107.5°	274.0	274.0	273.2	266.2	261.0	257.5	246.2	240.1	227.9	216.6	195.7
110°	265.3	265.3	264.5	259.2	248.8	243.6	233.1	225.3	214.0	202.7	186.2

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	255.8	*256.6*	256.6	258.4	233.1	223.6	214.9	208.8	199.2	188.8	174.9
115°	234.0	*234.9*	234.0	242.7	234.0	221.0	215.7	205.3	193.1	176.6	161.8
117.5°	235.7	*235.7*	237.5	241.8	237.5	225.3	214.0	201.0	190.5	174.0	160.9
120°	267.1	*265.3*	265.3	256.6	254.9	243.6	235.7	221.8	204.4	187.9	169.6
122.5°	256.6	*255.8*	256.6	242.7	241.8	239.2	236.6	234.0	211.4	201.8	178.3
125°	205.3	*203.6*	202.7	197.5	206.2	200.1	198.3	204.4	189.6	180.9	167.9
127.5°	183.6	*181.8*	180.9	179.2	184.4	174.0	172.2	174.0	162.7	152.2	144.4
130°	175.7	*173.1*	173.1	179.2	187.0	178.3	168.8	161.8	157.5	150.5	137.4
132.5°	166.2	*166.2*	167.0	174.9	188.8	179.2	161.8	147.9	146.1	147.0	140.9
135°	163.5	*162.7*	163.5	160.9	160.1	154.8	147.0	135.7	133.1	140.1	133.1
137.5°	167.9	*167.0*	166.2	159.2	151.4	147.0	145.3	138.3	131.4	127.0	120.0
140°	166.2	*166.2*	165.3	163.5	158.3	149.6	147.9	140.9	134.0	126.1	117.4
142.5°	168.8	*171.4*	173.1	174.9	173.1	163.5	154.0	142.7	134.8	130.5	120.9
145°	207.9	*207.9*	207.9	204.4	198.3	190.5	183.6	175.7	169.6	155.7	142.7
147.5°	172.2	*172.2*	171.4	172.2	172.2	168.8	167.9	165.3	166.2	159.2	146.1
150°	119.2	*121.8*	121.8	126.1	127.9	126.1	126.1	127.9	125.3	124.4	117.4
152.5°	96.6	*95.7*	94.0	95.7	95.7	96.6	96.6	94.8	94.0	94.0	89.6
155°	85.3	*85.3*	85.3	84.4	82.6	83.5	84.4	84.4	81.8	80.0	76.6
157.5°	67.9	*67.0*	67.0	68.7	68.7	68.7	68.7	68.7	68.7	69.6	70.5
160°	57.4	*55.7*	56.5	56.5	57.4	58.3	57.4	58.3	58.3	59.2	58.3
162.5°	47.0	*46.1*	46.1	47.0	47.8	48.7	49.6	49.6	50.5	52.2	53.1
165°	41.8	*41.8*	41.8	42.6	42.6	43.5	44.4	45.2	47.0	49.6	50.5
167.5°	39.1	*39.1*	39.1	39.1	40.0	40.9	42.6	45.2	47.0	49.6	49.6
170°	38.3	*38.3*	39.1	39.1	39.1	40.0	43.5	46.1	47.0	47.8	47.8
172.5°	40.0	*40.0*	40.0	40.0	40.0	41.8	46.1	47.0	47.0	47.0	47.8
175°	41.8	*41.8*	40.9	40.9	41.8	42.6	43.5	47.8	49.6	50.5	52.2
177.5°	39.1	*39.1*	39.1	40.0	40.0	40.9	41.8	43.5	43.5	45.2	47.8
180°	43.5	*43.5*	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0
2.5°	204.4	219.2	201.0	181.8	167.9	175.7	184.4	177.5	169.6	170.5	155.7
5°	122.7	126.1	127.9	111.3	92.2	102.7	125.3	117.4	90.5	50.5	43.5
7.5°	118.3	113.1	111.3	123.5	112.2	74.8	58.3	53.1	70.5	84.4	88.7
10°	140.1	134.0	120.9	99.2	87.9	82.6	80.9	77.4	67.0	52.2	49.6
12.5°	160.9	154.0	141.8	131.4	116.6	97.4	85.3	81.8	87.9	98.3	98.3
15°	181.8	172.2	156.6	142.7	131.4	110.5	94.8	80.9	79.2	81.8	81.8
17.5°	196.6	186.2	167.9	148.8	128.7	108.7	90.5	76.6	70.5	68.7	68.7
20°	211.4	201.8	180.1	159.2	134.8	111.3	90.5	75.7	68.7	66.1	65.2
22.5°	230.5	218.3	194.0	171.4	141.8	113.1	89.6	76.6	68.7	64.4	63.5
25°	252.3	238.4	210.5	183.6	148.8	114.8	90.5	77.4	69.6	64.4	63.5
27.5°	269.7	254.9	227.9	197.5	157.5	119.2	94.0	79.2	70.5	65.2	64.4
30°	289.7	274.0	243.6	212.3	167.9	126.1	100.9	84.4	73.9	67.0	67.0
32.5°	320.1	299.3	265.3	226.2	178.3	134.0	108.7	90.5	77.4	72.2	72.2
35°	369.7	348.8	303.6	253.1	189.6	141.8	114.8	96.6	81.8	74.8	74.8
37.5°	448.9	417.6	367.1	297.5	207.9	147.9	121.8	100.9	84.4	74.8	73.1
40°	495.0	460.2	396.7	330.6	230.5	155.7	127.0	104.4	86.1	75.7	74.8
42.5°	546.3	506.3	424.5	339.3	245.3	174.0	134.8	107.9	87.9	78.3	76.6
45°	600.2	562.0	488.0	385.4	280.1	199.2	147.9	114.8	93.1	81.8	80.0
47.5°	698.5	651.6	555.9	450.6	331.4	239.2	176.6	126.1	99.2	85.3	83.5
50°	919.5	876.0	742.9	585.5	413.2	296.6	221.0	149.6	108.7	87.9	85.3
52.5°	1218.8	1141.3	990.8	793.4	576.8	415.8	294.9	201.8	123.5	90.5	86.1
55°	1653.7	1567.6	1344.9	1087.4	789.9	603.7	446.3	303.6	175.7	93.1	85.3
57.5°	2086.1	1981.7	1794.6	1442.3	1061.3	769.9	596.8	444.5	255.8	104.4	87.9
60°	2395.8	2268.7	2037.3	1714.6	1287.5	905.6	674.2	484.5	284.5	107.0	90.5
62.5°	2578.4	2419.2	2128.7	1743.3	1341.4	962.1	705.5	457.6	244.4	104.4	94.0
65°	*2611.5*	*2430.5*	*2128.7*	*1693.7*	*1285.7*	*912.5*	*682.0*	*422.8*	*193.1*	*100.0*	*96.6*
67.5°	2421.8	2253.1	1998.2	1555.4	1140.5	783.8	587.2	348.0	147.0	96.6	95.7
70°	1987.8	1860.8	1652.8	1270.9	925.6	637.6	467.1	267.9	119.2	92.2	90.5
72.5°	1551.1	1433.6	1277.9	996.9	715.9	505.4	356.7	209.6	106.1	88.7	87.9
75°	1220.5	1132.6	1003.9	787.3	538.5	382.8	270.5	158.3	95.7	87.0	85.3
77.5°	998.7	941.2	808.2	601.1	401.9	284.5	201.8	126.1	91.3	85.3	84.4
80°	776.8	729.0	645.5	449.7	287.9	214.0	159.2	111.3	88.7	84.4	83.5
82.5°	554.1	537.6	467.1	349.7	240.1	183.6	143.5	107.0	87.9	83.5	82.6
85°	462.8	439.3	387.1	303.6	221.0	174.9	137.4	105.3	87.9	83.5	82.6
87.5°	447.1	426.3	378.4	289.7	207.9	164.4	131.4	101.8	86.1	81.8	81.8
90°	394.9	374.1	337.5	261.0	191.4	153.1	122.7	96.6	82.6	78.3	78.3
92.5°	349.7	337.5	302.7	239.2	183.6	147.0	118.3	94.0	80.9	77.4	76.6
95°	295.8	285.3	258.4	215.7	172.2	140.1	114.8	91.3	79.2	75.7	75.7
97.5°	245.3	236.6	215.7	182.7	148.8	124.4	103.5	86.1	76.6	73.9	73.9
100°	216.6	209.6	191.4	164.4	137.4	116.6	100.0	85.3	75.7	72.2	72.2
102.5°	205.3	198.3	180.1	155.7	130.5	111.3	97.4	83.5	74.8	71.3	70.5
105°	196.6	189.6	173.1	147.9	123.5	106.1	92.2	81.8	73.1	70.5	69.6
107.5°	187.9	180.1	164.4	139.2	117.4	100.9	88.7	79.2	72.2	69.6	69.6
110°	178.3	171.4	156.6	132.2	113.1	97.4	87.0	78.3	72.2	69.6	69.6

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

Scaled Data Report

REPORT NUMBER: P1045771
CATALOG NUMBER: FFX-CLB-70-750-U-FR-T5-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	167.9	160.9	147.0	125.3	108.7	94.8	85.3	77.4	72.2	69.6	69.6
115°	155.7	149.6	136.6	118.3	103.5	91.3	82.6	75.7	70.5	68.7	68.7
117.5°	152.2	145.3	132.2	115.7	101.8	88.7	80.9	73.9	69.6	67.9	67.9
120°	160.1	150.5	136.6	120.9	101.8	87.0	79.2	73.1	68.7	67.0	67.0
122.5°	170.5	162.7	147.0	118.3	98.3	85.3	77.4	72.2	67.9	67.0	67.0
125°	160.9	155.7	140.9	109.6	94.8	83.5	76.6	72.2	68.7	67.0	67.0
127.5°	140.9	135.7	124.4	104.4	91.3	81.8	75.7	72.2	69.6	67.0	67.0
130°	133.1	126.1	115.7	100.0	87.9	79.2	74.8	72.2	69.6	66.1	65.2
132.5°	136.6	130.5	114.0	94.0	82.6	75.7	72.2	70.5	65.2	61.8	60.9
135°	128.7	122.7	106.1	89.6	80.0	74.8	71.3	66.1	60.9	56.5	56.5
137.5°	114.8	107.9	98.3	86.1	79.2	76.6	72.2	65.2	58.3	54.8	54.8
140°	114.0	106.1	97.4	85.3	77.4	70.5	65.2	58.3	53.1	51.3	50.5
142.5°	115.7	110.5	98.3	84.4	73.9	65.2	59.2	53.9	50.5	47.8	47.8
145°	134.0	126.1	110.5	92.2	80.0	69.6	60.9	53.9	48.7	44.4	43.5
147.5°	138.3	130.5	116.6	100.9	85.3	72.2	60.0	51.3	44.4	40.9	40.0
150°	115.7	110.5	102.7	90.5	76.6	63.5	53.1	45.2	40.9	39.1	38.3
152.5°	87.9	86.1	80.9	72.2	62.6	53.9	47.0	42.6	40.0	39.1	38.3
155°	74.8	73.9	68.7	61.8	53.9	47.8	43.5	40.9	39.1	39.1	38.3
157.5°	69.6	67.9	63.5	56.5	49.6	46.1	41.8	40.0	39.1	39.1	39.1
160°	58.3	56.5	53.1	50.5	46.1	43.5	40.9	40.0	39.1	39.1	38.3
162.5°	52.2	50.5	48.7	46.1	45.2	44.4	43.5	41.8	40.9	40.0	40.0
165°	49.6	48.7	46.1	45.2	45.2	46.1	46.1	44.4	42.6	40.9	40.9
167.5°	48.7	47.8	46.1	45.2	47.0	47.8	48.7	47.0	45.2	42.6	41.8
170°	48.7	48.7	47.8	47.0	47.8	48.7	49.6	49.6	48.7	47.0	47.0
172.5°	48.7	49.6	48.7	48.7	48.7	48.7	48.7	50.5	50.5	49.6	49.6
175°	52.2	52.2	49.6	48.7	49.6	50.5	51.3	50.5	50.5	51.3	51.3
177.5°	47.8	49.6	53.1	53.9	55.7	55.7	53.9	53.1	50.5	49.6	49.6
180°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

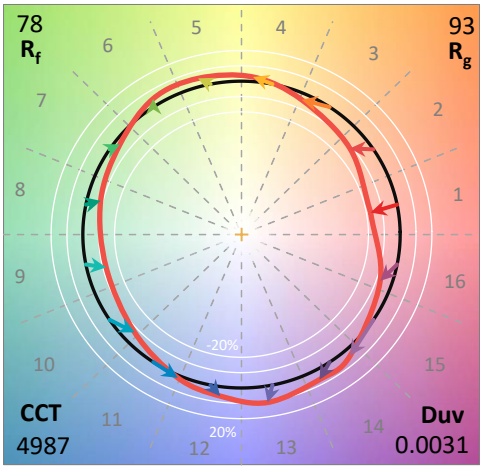
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

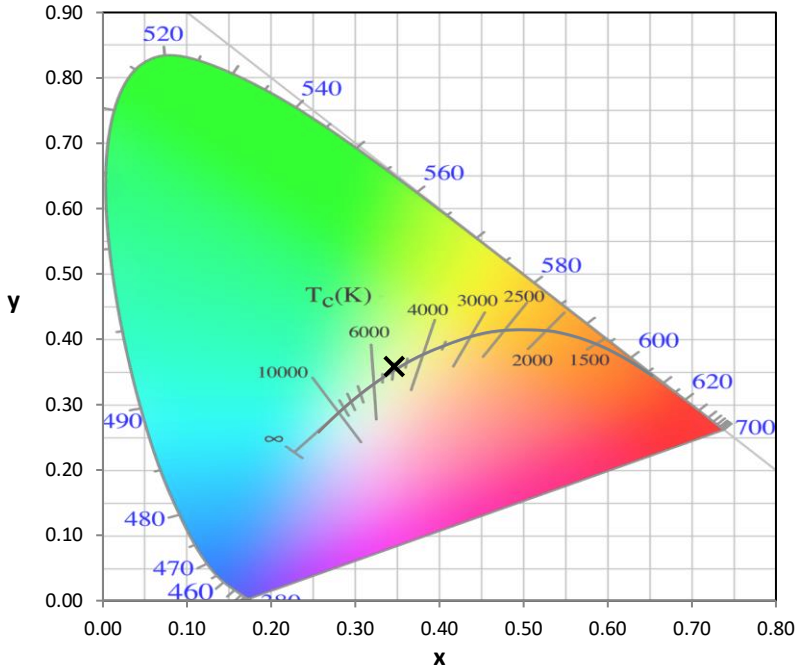
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

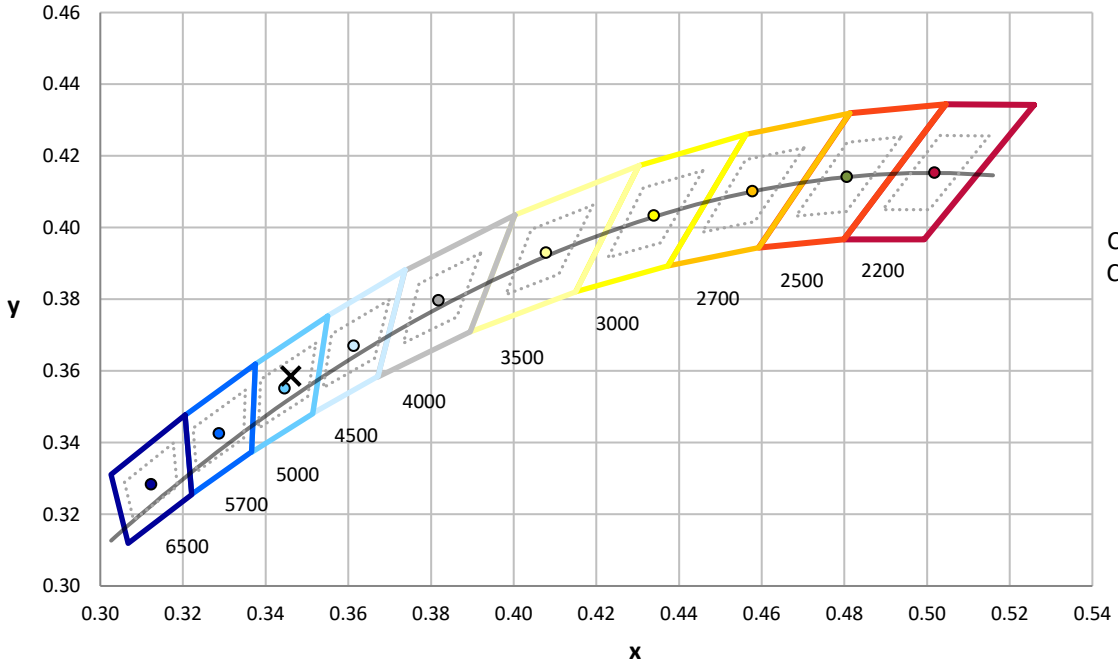
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

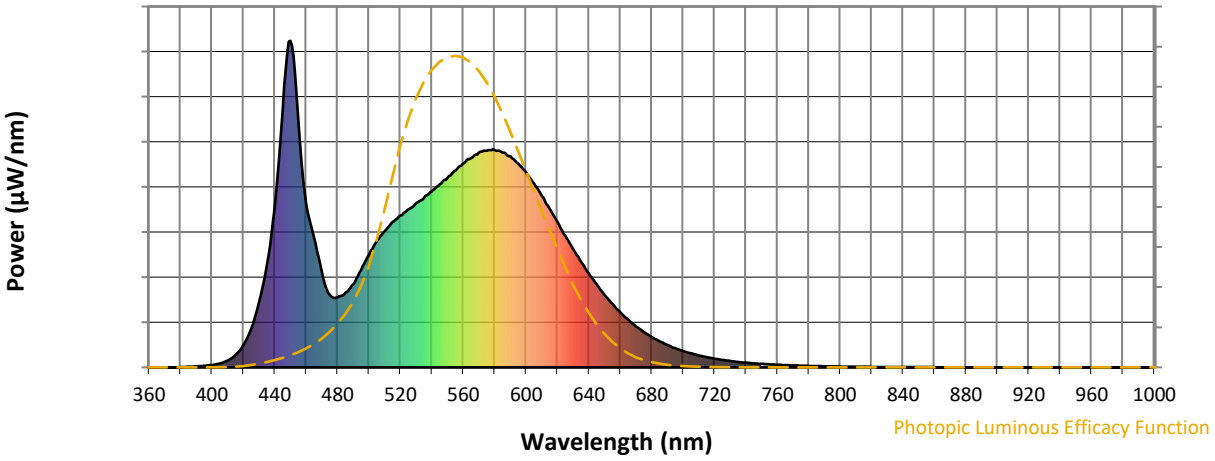


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

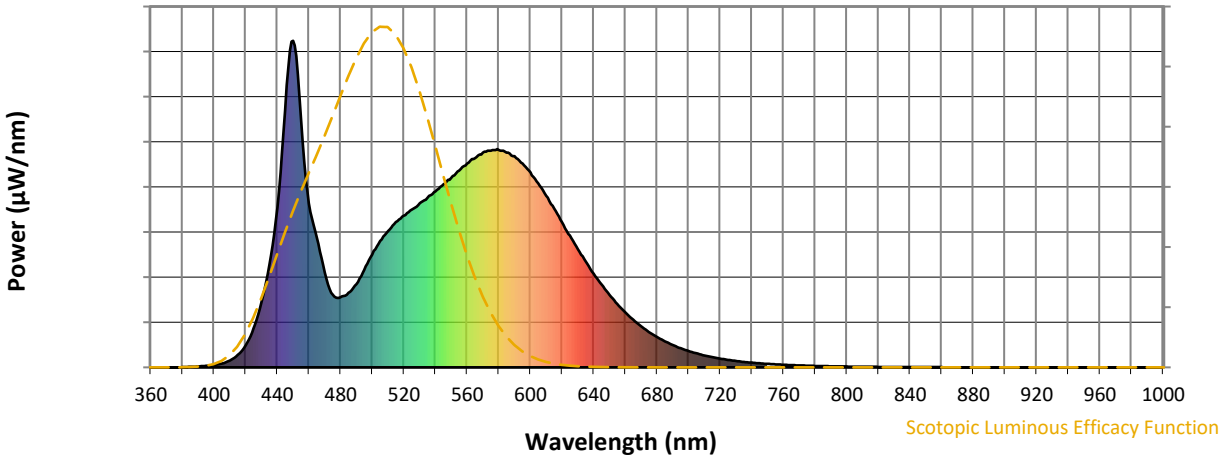


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

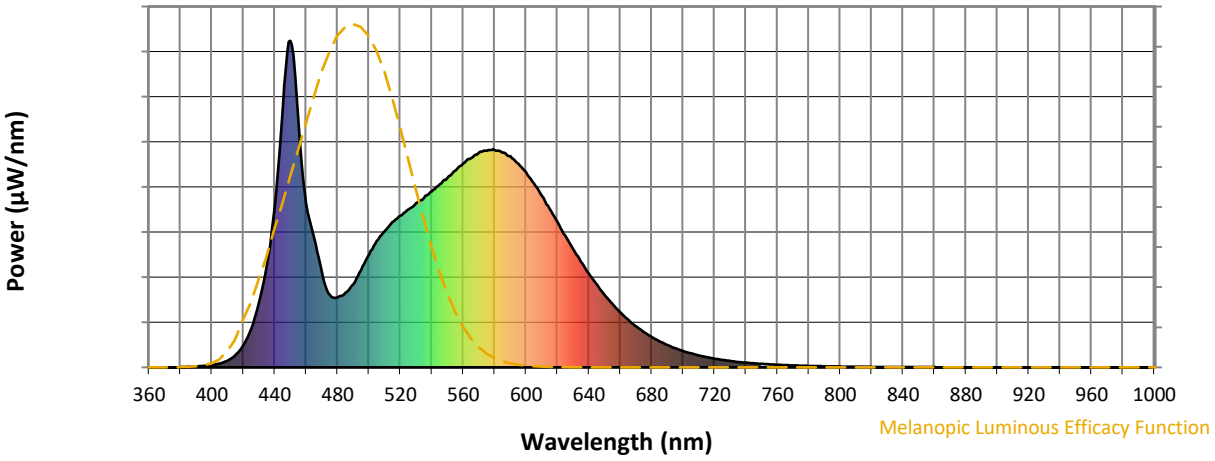


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

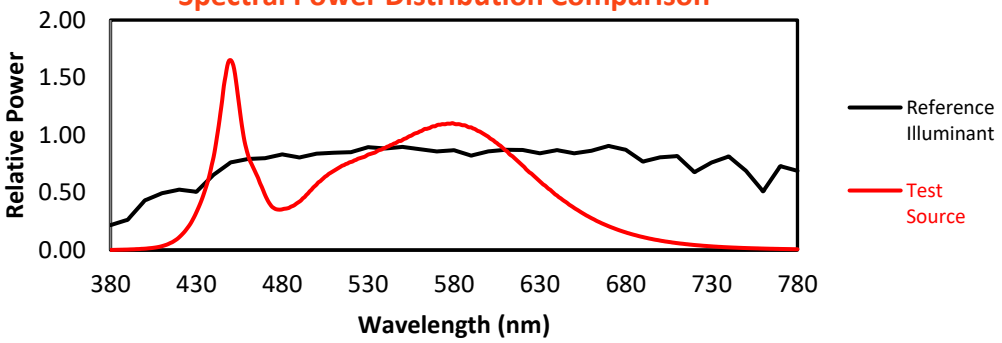
REPORT NUMBER: SP1-2501-332-5

TM-30-18

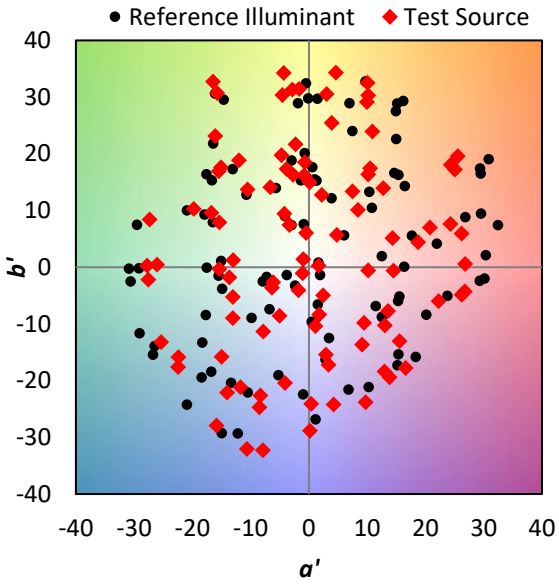
Summary

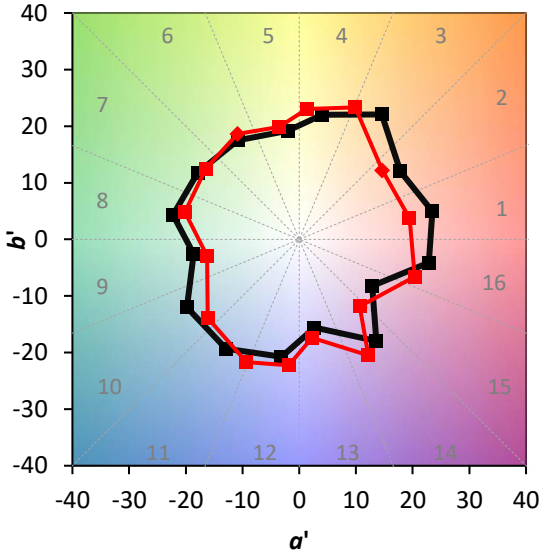
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

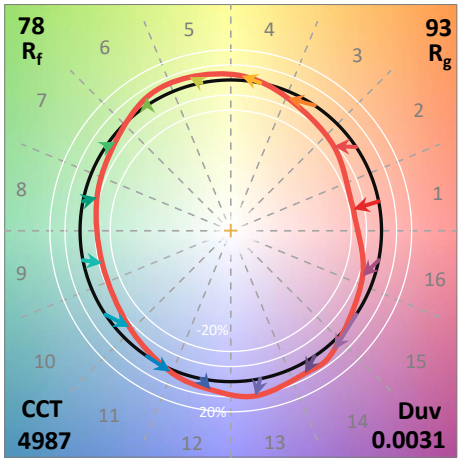
Spectral Power Distribution Comparison

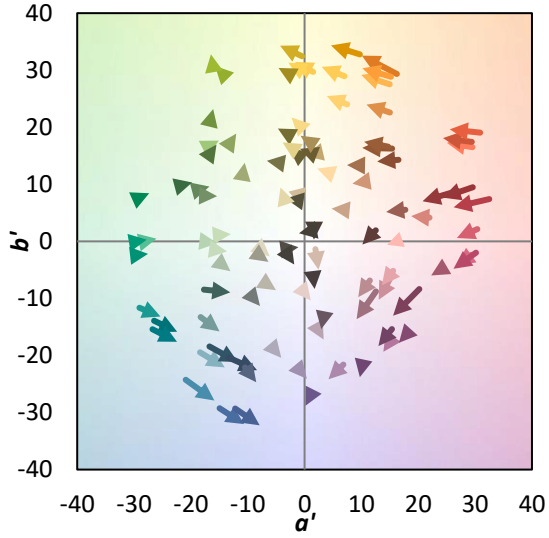


Color Vector Graphics







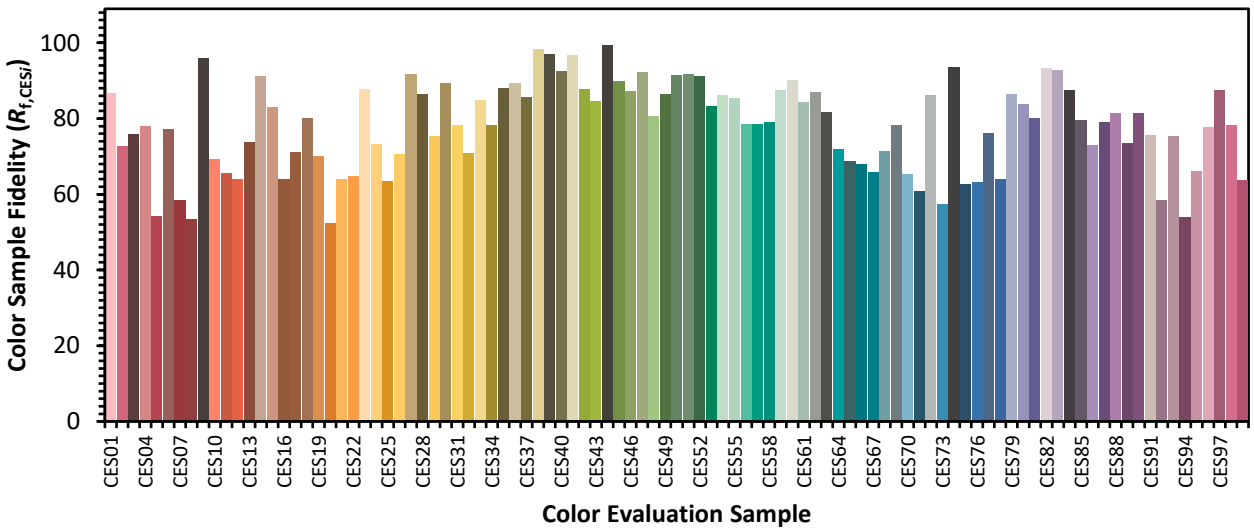


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

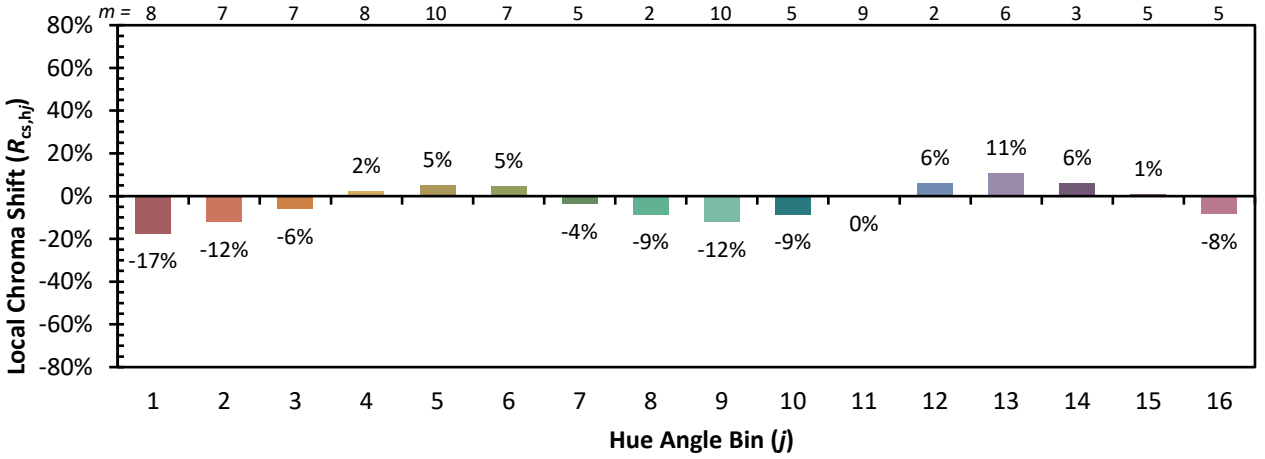
CES01 = 85	CES26 = 71	CES51 = 92	CES76 = 63
CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

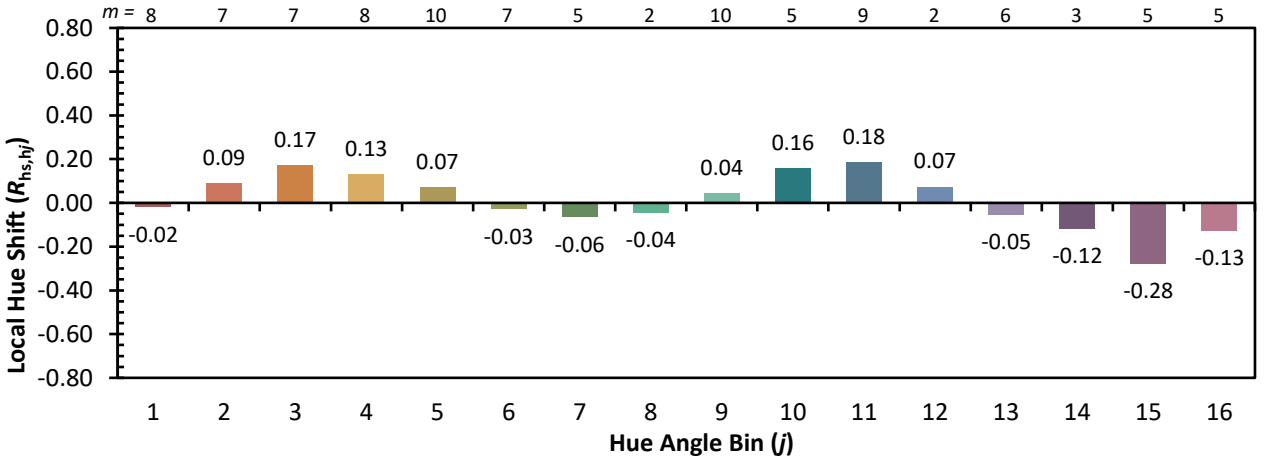


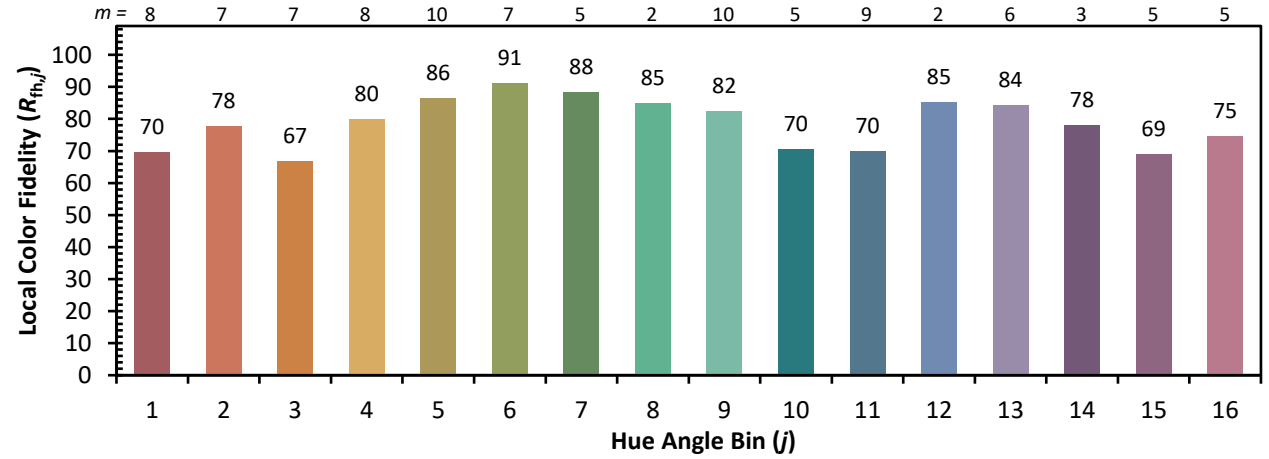
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Color Rendition by Hue-Angle Bin



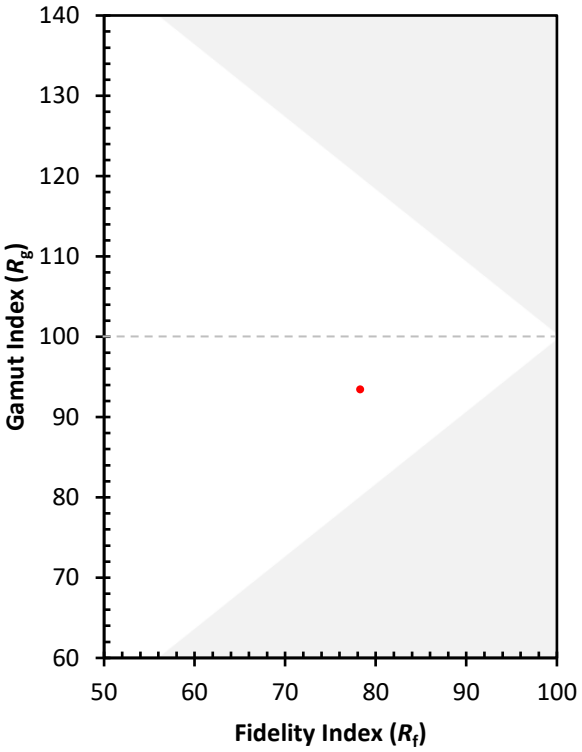


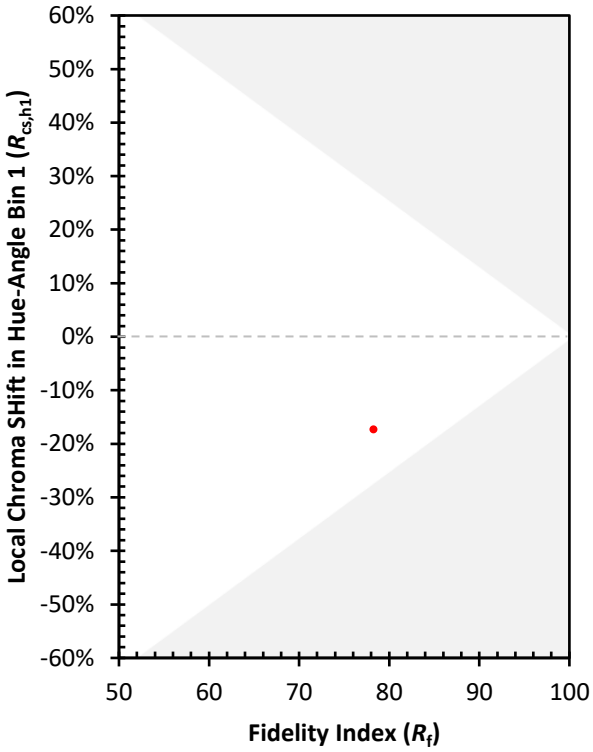


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Measure Comparisons





(END OF REPORT)