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: P981476

Luminaire Tested: **FFX-CLB-30-730-U-FR-T3-UPLR**

Issue Date: 04/15/2025

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981476
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-730-U-FR-T3-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4665.1 lumens
Efficiency:	N/A
Efficacy:	152.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U3 - G2

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

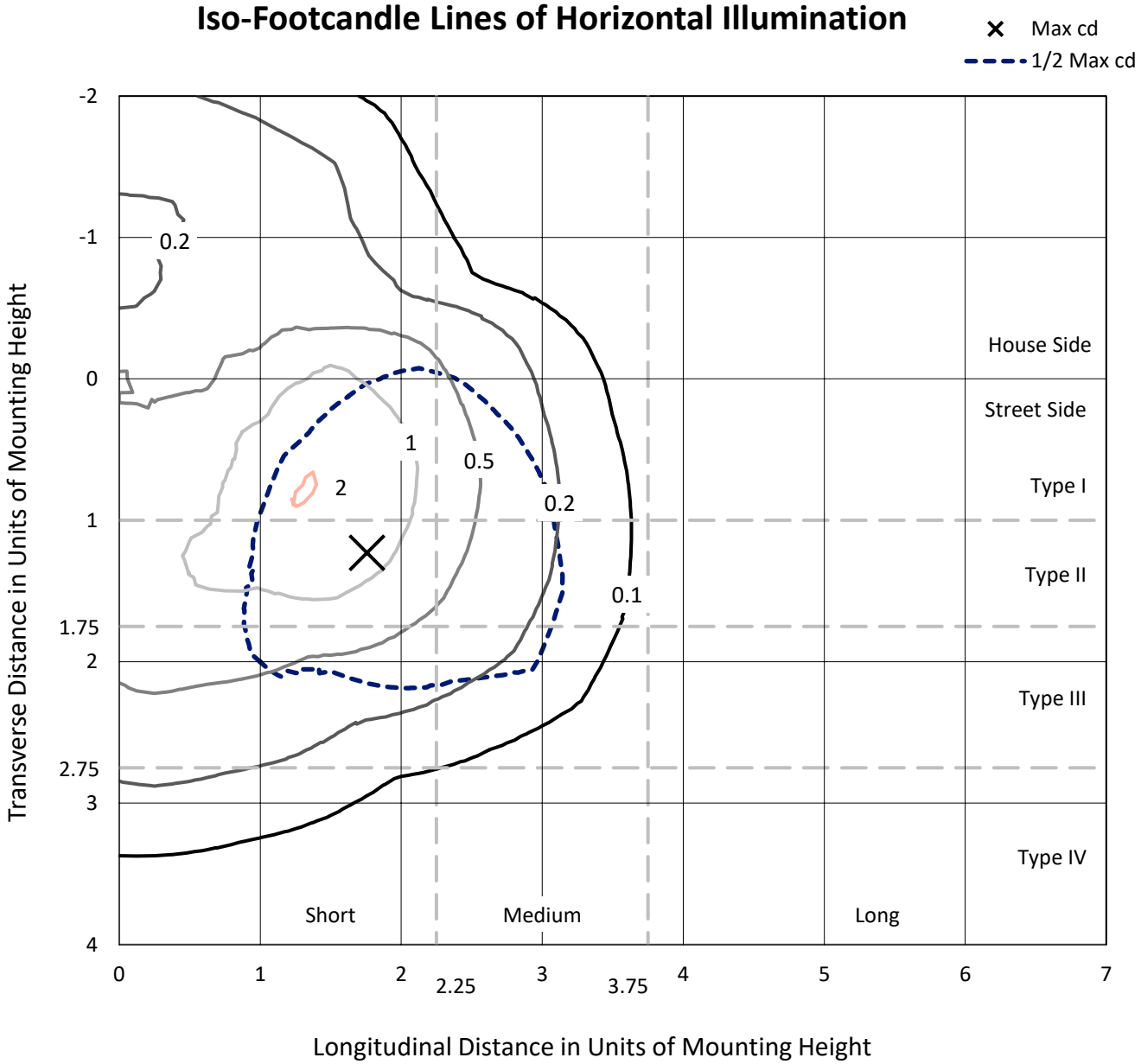


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Iso-Footcandle Lines of Horizontal Illumination



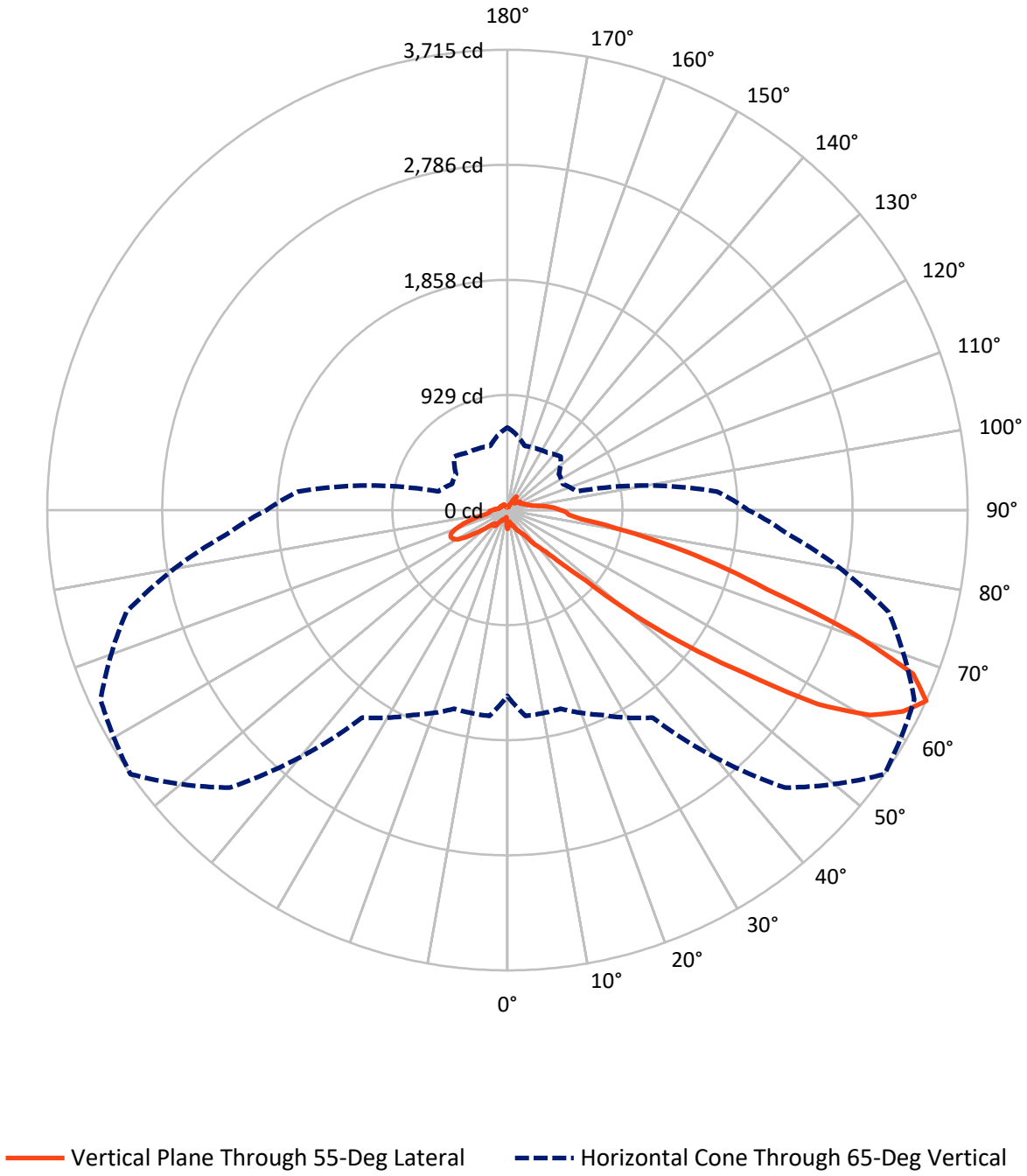
Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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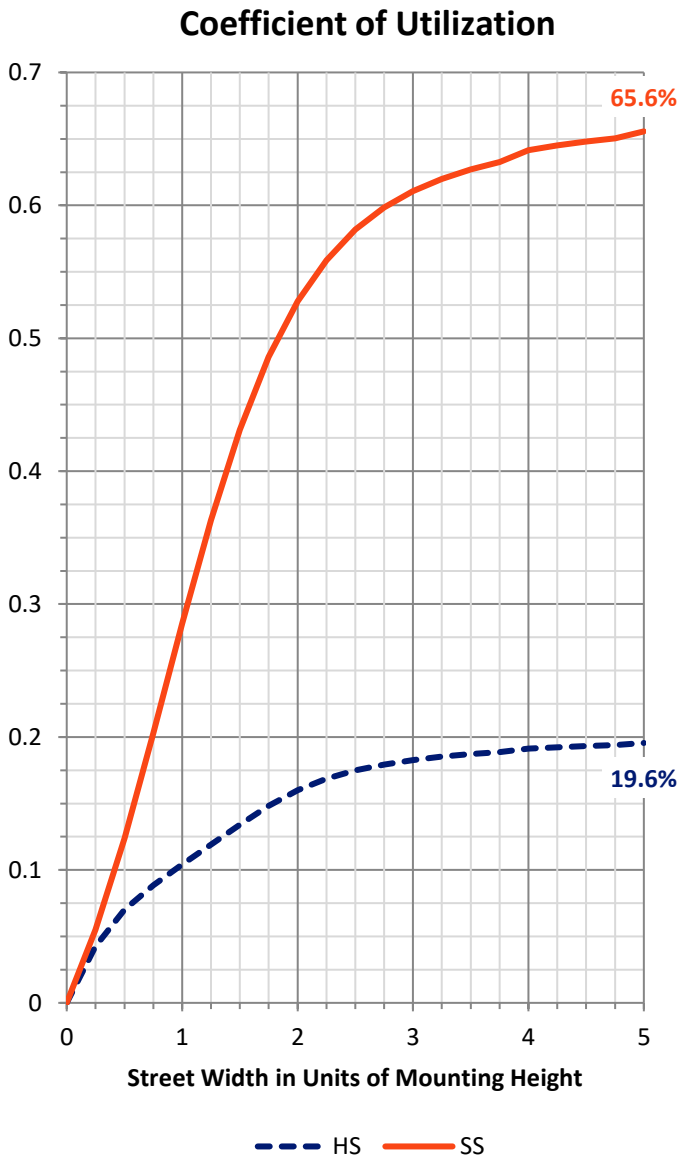
REPORT NUMBER: P981476
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	947.7	184.9	1132.7
	% Fixture	20.3	4.0	24.3
Street Side	Lumens	3162.4	370.1	3532.5
	% Fixture	67.8	7.9	75.7
Total	Lumens	4110.1	555.0	4665.1
	% Fixture	88.1	11.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.2
10°-20°	28.5	0.6
20°-30°	58.3	1.3
30°-40°	126.5	2.7
40°-50°	306.9	6.6
50°-60°	958.2	20.5
60°-70°	1522.5	32.6
70°-80°	811.4	17.4
80°-90°	289.1	6.2
90°-100°	175.9	3.8
100°-110°	104.1	2.2
110°-120°	81.3	1.7
120°-130°	67.8	1.5
130°-140°	49.6	1.1
140°-150°	45.6	1.0
150°-160°	20.6	0.4
160°-170°	7.9	0.2
170°-180°	2.3	0.0
0°-90°	4110.1	88.1
0°-180°	4665.1	100.0



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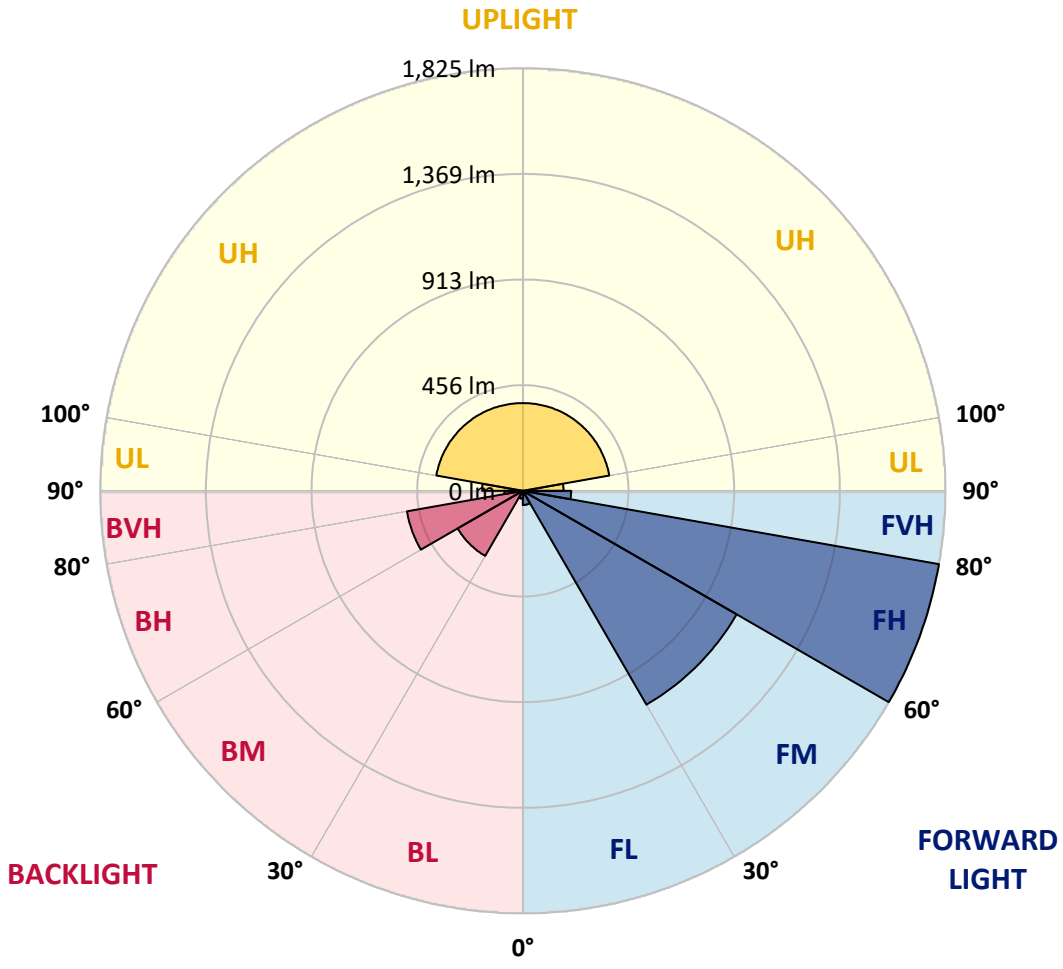
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	61.6	1.3			
FM	(30°-60°)	1066.7	22.9			
FH	(60°-80°)	1825.4	39.1			G2/5000
FVH	(80°-90°)	208.6	4.5			G2/225
BL	(0°-30°)	34.0	0.7	B0/110		
BM	(30°-60°)	324.8	7.0	B1/1000		
BH	(60°-80°)	508.4	10.9	B2/1000		G2/1000
BVH	(80°-90°)	80.5	1.7			G1/100
UL	(90°-100°)	175.9	3.8		U3/500	
UH	(100°-180°)	379.1	8.1		U3/500	

BUG Rating: B2-U3-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	151.4	151.4	151.4	151.4	151.4	151.4	*151.4*	151.4	151.4	151.4	151.4
2.5°	90.4	91.0	101.1	109.0	118.8	116.0	*116.0*	137.5	151.7	172.5	170.6
5°	96.7	92.6	94.5	101.4	114.7	121.0	*114.1*	90.4	74.9	81.2	88.8
7.5°	105.9	104.9	102.7	96.1	91.0	104.6	*123.6*	110.0	83.1	69.8	67.0
10°	108.4	108.7	108.1	108.7	111.2	105.2	*94.5*	86.0	83.4	82.2	81.2
12.5°	131.1	130.8	132.1	130.5	124.5	117.2	*119.4*	113.1	100.8	92.3	90.1
15°	152.9	152.3	152.0	146.0	136.2	124.5	*118.8*	121.7	113.8	104.0	99.5
17.5°	161.8	161.8	155.5	146.9	140.9	132.7	*128.3*	125.1	119.1	112.8	107.4
20°	158.3	158.0	151.7	148.2	148.8	145.0	*141.2*	136.5	130.5	120.4	113.8
22.5°	156.4	156.4	154.2	153.3	158.6	157.4	*156.4*	150.4	142.5	127.7	119.1
25°	168.7	167.8	164.9	164.9	170.0	174.1	*175.7*	171.0	158.0	135.6	127.7
27.5°	180.7	180.4	176.6	177.6	180.7	189.0	*191.5*	189.3	171.6	142.2	135.2
30°	195.3	193.1	189.9	195.6	195.0	206.3	*209.8*	212.3	189.9	155.8	147.6
32.5°	210.8	209.5	207.0	214.2	216.8	227.2	*230.0*	242.7	214.9	180.1	171.6
35°	237.0	236.0	242.7	256.9	256.6	276.2	*268.6*	287.6	261.3	224.0	215.5
37.5°	355.2	349.8	342.2	328.6	327.7	354.9	*346.3*	361.2	324.2	271.8	262.3
40°	369.7	368.8	365.3	349.8	341.0	387.4	*393.1*	437.0	376.0	316.0	297.7
42.5°	361.2	362.4	408.9	418.7	400.7	457.9	*467.4*	544.5	434.5	383.3	349.8
45°	435.4	437.3	452.5	459.5	458.2	602.0	*625.4*	719.8	536.9	477.8	415.8
47.5°	498.6	492.0	519.5	572.6	608.9	771.3	*846.5*	991.6	721.4	634.2	519.5
50°	685.1	683.5	749.9	808.0	844.0	1109.8	*1341.4*	1500.7	1057.3	919.5	724.9
52.5°	811.5	865.2	928.7	1063.3	1095.9	1510.1	*1823.6*	1951.3	1461.2	1207.7	989.7
55°	939.8	1017.2	1088.3	1297.8	1405.9	1962.0	*2318.8*	2353.8	1919.0	1468.4	1248.8
57.5°	1178.3	1308.8	1354.7	1521.8	1679.8	2482.8	*2955.8*	2918.5	2391.1	1770.8	1538.3
60°	1394.2	1551.2	1537.9	1701.6	1904.8	2907.1	*3360.3*	3321.1	2823.1	2039.4	1760.7
62.5°	1466.5	1624.8	1606.8	1785.0	2044.8	3134.7	*3580.8*	3513.9	3105.9	2211.6	1884.0
65°	*1500.3*	*1668.4*	*1659.6*	*1825.8*	*2044.8*	*3167.5*	*3715.1*	*3623.5*	*3184.9*	*2278.0*	*1943.4*
67.5°	1470.6	1632.7	1638.4	1786.0	1924.4	2930.2	*3531.9*	3407.4	2987.1	2118.7	1837.2
70°	1285.5	1398.9	1384.7	1518.4	1531.9	2345.6	*2931.2*	2795.6	2426.8	1766.7	1520.2
72.5°	1062.1	1089.5	1077.9	1162.2	1178.0	1718.1	*2190.8*	2114.0	1812.2	1314.5	1161.6
75°	846.9	842.4	866.5	886.0	869.6	1261.1	*1734.8*	1647.6	1340.8	990.0	893.9
77.5°	585.9	552.0	615.2	621.2	595.3	838.6	*1279.8*	1246.6	960.9	729.6	658.8
80°	329.3	333.1	378.2	405.1	395.6	533.7	*890.5*	868.7	656.3	510.0	453.1
82.5°	254.1	265.4	286.6	306.8	293.6	408.3	*602.3*	603.9	480.0	372.6	340.3
85°	279.3	285.3	288.2	288.8	278.4	379.5	*499.3*	492.6	407.6	311.9	301.8
87.5°	272.4	278.7	279.7	280.0	270.8	361.5	*472.7*	462.3	388.7	299.6	284.1
90°	233.5	244.3	245.5	253.7	243.0	322.9	*416.2*	405.7	350.4	270.2	255.6
92.5°	200.7	206.3	212.3	222.1	210.8	281.2	*372.6*	359.6	313.8	244.3	224.4
95°	183.6	186.8	191.8	195.6	182.3	238.9	*311.6*	298.0	254.7	196.5	178.9
97.5°	147.6	150.4	152.6	157.4	148.2	189.3	*241.7*	229.1	199.7	156.4	143.1
100°	126.1	128.0	130.5	133.7	126.1	158.6	*198.4*	192.8	166.2	132.1	123.6
102.5°	115.3	116.9	121.3	121.3	116.6	145.0	*177.3*	172.8	149.5	119.8	114.1
105°	111.2	111.5	115.3	113.8	110.6	135.2	*165.3*	159.6	140.0	113.8	107.1
107.5°	105.9	106.2	110.9	108.4	105.9	125.4	*149.8*	147.3	129.6	106.2	100.5
110°	100.5	101.4	107.4	105.2	103.6	117.9	*140.3*	135.6	123.9	102.7	98.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	96.4	97.0	102.7	101.1	99.9	112.8	*130.2*	130.2	121.0	102.7	96.4
115°	92.9	94.2	98.9	95.7	93.5	106.2	*120.1*	120.7	113.1	98.0	91.6
117.5°	86.9	89.7	92.3	93.5	91.0	101.8	*114.1*	113.4	109.3	94.5	90.1
120°	98.9	96.7	98.6	100.8	96.7	105.2	*115.7*	115.7	111.5	92.9	89.1
122.5°	103.3	100.2	102.1	99.9	99.5	110.6	*123.6*	124.5	116.0	95.7	86.3
125°	91.6	90.4	88.2	87.5	90.1	100.5	*112.2*	116.3	107.1	91.6	80.6
127.5°	78.4	76.8	73.9	75.5	80.3	90.7	*96.7*	98.9	95.1	85.0	76.8
130°	72.4	72.0	74.3	77.1	80.9	89.7	*91.6*	94.8	94.8	82.8	78.1
132.5°	66.0	66.4	73.3	83.1	86.0	87.8	*83.7*	89.7	92.6	84.4	79.0
135°	65.1	65.4	69.2	77.1	77.4	78.7	*79.0*	86.6	88.5	80.6	74.6
137.5°	71.1	71.1	68.3	69.8	73.3	82.8	*86.0*	92.0	90.4	76.2	67.3
140°	78.4	76.8	67.9	68.3	74.3	86.0	*90.1*	93.9	92.0	74.6	64.1
142.5°	64.8	65.4	67.0	73.0	79.9	106.5	*103.0*	112.5	108.7	79.0	62.6
145°	101.1	101.4	99.5	102.1	106.5	141.6	*130.8*	146.0	150.4	103.3	74.3
147.5°	110.6	111.9	108.4	106.2	118.8	129.6	*117.5*	130.2	138.7	108.4	79.6
150°	86.3	86.0	83.7	86.9	95.4	94.8	*88.5*	92.9	96.4	82.8	68.3
152.5°	61.3	60.4	59.1	59.4	69.5	67.0	*65.1*	68.9	68.9	63.5	54.7
155°	50.9	50.9	50.2	51.8	57.5	53.1	*51.5*	50.9	50.2	48.7	45.2
157.5°	43.0	43.9	43.0	44.9	48.7	44.6	*43.6*	42.7	43.0	43.0	42.0
160°	35.7	35.7	35.1	38.2	39.5	36.3	*34.8*	34.1	34.1	36.0	36.0
162.5°	30.0	30.0	30.3	31.6	32.5	30.3	*29.4*	29.4	30.3	33.2	33.2
165°	25.9	25.9	26.2	27.2	27.8	26.5	*25.9*	26.2	28.8	31.3	31.3
167.5°	23.7	23.7	23.7	24.0	24.3	23.7	*23.7*	25.0	27.2	28.8	28.8
170°	22.4	22.4	22.1	22.4	22.4	22.4	*23.7*	25.0	25.9	25.9	25.9
172.5°	22.8	22.8	22.4	22.8	22.8	22.4	*24.0*	25.6	25.0	24.6	24.6
175°	23.4	23.4	23.4	23.7	23.7	23.1	*22.8*	23.4	24.0	24.0	23.7
177.5°	23.4	23.4	23.1	23.4	23.1	22.4	*22.1*	21.8	21.8	21.5	21.5
180°	21.8	21.8	21.8	21.8	21.8	21.8	*21.8*	21.8	21.8	21.8	21.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4
2.5°	154.5	133.3	117.5	129.9	157.0	170.6	157.0	119.4	84.1	73.6
5°	92.6	90.1	81.2	79.3	82.8	79.6	88.5	83.7	66.4	67.0
7.5°	69.2	83.7	80.9	57.8	54.0	50.6	53.4	61.0	62.9	58.8
10°	80.3	72.4	63.2	58.8	64.1	69.2	65.7	57.2	49.3	47.1
12.5°	88.5	87.8	88.8	79.6	65.4	60.4	58.5	62.9	76.5	79.6
15°	95.1	87.8	81.2	79.3	69.8	64.8	62.3	61.0	58.5	56.6
17.5°	101.8	89.7	82.5	75.2	70.5	65.7	60.4	57.5	57.2	57.5
20°	106.2	95.1	86.6	78.4	72.4	66.0	60.7	58.1	58.1	58.1
22.5°	111.5	100.8	91.6	81.2	74.3	67.3	62.9	60.4	60.0	60.0
25°	120.4	108.4	97.6	86.3	78.7	72.4	66.4	63.2	62.3	61.9
27.5°	130.5	117.2	104.3	92.6	84.7	77.7	69.8	65.1	63.8	63.5
30°	143.5	128.3	111.9	99.5	89.7	83.1	73.6	67.9	65.4	65.1
32.5°	164.6	144.7	123.2	109.6	98.0	89.1	78.7	71.7	67.6	66.7
35°	205.4	181.1	148.8	129.2	110.6	96.7	83.1	73.9	69.8	69.2
37.5°	250.9	213.9	182.6	159.9	137.1	113.8	90.1	77.4	72.4	71.4
40°	270.5	235.4	202.2	166.5	161.5	143.1	110.6	86.0	75.8	74.3
42.5°	313.5	263.5	218.7	147.3	158.9	158.0	136.5	105.2	85.3	81.5
45°	369.1	299.9	243.3	157.4	160.2	154.5	140.0	121.7	103.6	99.5
47.5°	459.8	335.3	251.2	177.0	180.1	166.5	146.6	128.3	115.3	113.8
50°	656.6	439.2	280.3	214.2	224.4	193.1	168.4	152.6	137.1	134.3
52.5°	892.7	520.4	310.3	267.3	303.7	258.8	221.5	192.4	191.5	187.7
55°	1141.4	551.7	350.1	325.8	382.4	343.5	307.1	280.6	294.2	295.5
57.5°	1420.7	585.2	407.6	402.3	477.8	415.8	385.2	392.5	488.8	526.4
60°	1606.8	612.7	457.2	465.5	565.0	504.6	481.6	497.7	661.4	729.9
62.5°	1689.6	598.8	481.6	495.8	602.6	558.7	554.9	563.4	702.1	766.3
65°	*1701.0*	*578.3*	*494.8*	*507.2*	*609.2*	*564.4*	*548.2*	*536.2*	*628.5*	*666.1*
67.5°	1561.3	534.7	484.4	497.4	579.2	525.5	485.4	458.2	511.6	515.4
70°	1270.6	477.5	449.0	453.8	494.8	439.9	401.9	378.6	390.9	385.8
72.5°	985.3	420.9	400.0	389.0	401.3	354.2	309.4	297.4	309.0	303.7
75°	748.6	376.0	353.0	315.7	335.9	272.7	222.8	212.0	217.1	209.8
77.5°	550.5	303.0	276.2	233.5	261.3	197.8	150.4	139.4	141.2	134.3
80°	401.6	224.0	201.9	167.5	188.3	140.6	108.7	106.8	106.5	102.1
82.5°	310.3	177.9	161.5	144.1	147.6	124.2	103.0	99.9	99.9	93.2
85°	287.9	172.2	155.5	143.1	144.1	120.4	98.0	96.1	97.0	90.1
87.5°	268.9	168.4	154.8	140.0	132.7	109.0	88.2	90.4	91.0	85.0
90°	230.7	149.8	137.5	123.2	114.7	92.6	79.0	83.1	83.7	78.4
92.5°	202.2	128.6	118.2	107.1	103.3	86.9	75.8	79.0	79.0	74.3
95°	161.2	105.2	100.5	95.1	94.2	81.2	70.8	72.4	71.7	67.6
97.5°	131.1	91.3	87.2	82.2	79.0	69.5	62.3	63.8	64.1	61.3
100°	115.3	84.4	78.7	73.0	69.8	62.6	56.9	59.7	61.6	59.1
102.5°	107.8	80.6	74.3	68.3	65.7	59.1	53.7	56.2	58.8	56.6
105°	102.4	77.7	71.1	65.7	62.6	55.9	50.6	51.2	54.4	53.1
107.5°	95.4	77.7	69.2	63.8	60.0	54.0	47.7	47.1	49.0	48.7
110°	92.9	77.7	67.9	62.6	58.5	53.1	47.4	44.9	45.8	45.8

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

Scaled Data Report

REPORT NUMBER: P981476
CATALOG NUMBER: FFX-CLB-30-730-U-FR-T3-UPLR

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	90.7	77.1	66.7	60.4	56.9	52.5	46.8	43.0	43.9	44.6
115°	85.6	71.1	62.9	56.2	52.8	48.0	44.2	41.4	41.7	42.3
117.5°	82.8	65.7	61.0	55.0	52.5	49.6	46.1	40.8	40.8	41.4
120°	82.8	64.8	62.6	60.4	59.1	54.4	48.7	40.8	39.8	39.8
122.5°	81.5	72.0	68.3	63.2	59.7	53.4	46.5	39.8	39.2	39.2
125°	74.9	68.9	62.9	56.9	52.8	47.7	43.6	40.1	38.9	38.9
127.5°	71.4	61.9	56.2	51.5	48.7	46.1	43.6	40.1	38.6	38.2
130°	72.4	62.6	55.3	51.5	49.3	46.8	43.9	39.5	37.0	36.7
132.5°	73.0	60.4	53.4	50.2	48.7	46.8	43.0	37.3	34.4	34.4
135°	66.0	54.4	51.2	49.0	48.0	46.5	40.8	35.4	33.2	32.9
137.5°	60.0	52.8	50.6	48.3	46.8	44.6	40.1	34.8	31.9	31.6
140°	57.5	51.5	48.3	44.2	42.3	37.9	34.8	31.6	30.7	30.3
142.5°	54.7	48.3	44.6	41.1	40.1	38.6	36.7	31.6	28.4	28.4
145°	65.4	58.1	53.7	50.2	45.8	42.7	36.7	30.3	26.2	25.6
147.5°	68.6	61.9	57.5	52.8	44.6	37.6	31.0	26.5	25.0	24.3
150°	60.0	54.4	49.6	44.6	37.3	32.5	28.1	25.3	24.6	24.6
152.5°	47.7	44.6	39.5	36.0	31.3	28.4	25.9	24.3	23.7	23.7
155°	39.5	37.0	34.1	31.3	28.8	26.9	25.3	24.0	23.4	23.4
157.5°	38.2	34.4	31.9	29.4	27.8	25.9	24.6	23.4	23.1	22.8
160°	34.8	30.3	28.1	26.5	26.2	25.6	24.6	23.7	23.4	23.1
162.5°	32.2	27.8	26.2	25.3	26.2	26.9	26.2	25.0	24.0	23.7
165°	30.3	26.2	25.0	25.0	26.9	27.8	26.2	25.0	25.0	24.6
167.5°	28.1	26.9	25.3	25.0	26.5	28.4	28.8	26.5	25.6	25.3
170°	26.2	26.5	26.5	25.6	25.9	27.5	28.1	27.5	26.2	25.9
172.5°	25.0	25.6	26.9	26.2	26.2	26.9	27.5	26.9	25.9	25.6
175°	23.7	24.0	23.4	23.7	24.6	25.6	25.3	25.0	24.6	24.6
177.5°	21.5	21.5	21.8	21.8	22.1	23.1	23.4	23.4	24.0	24.0
180°	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

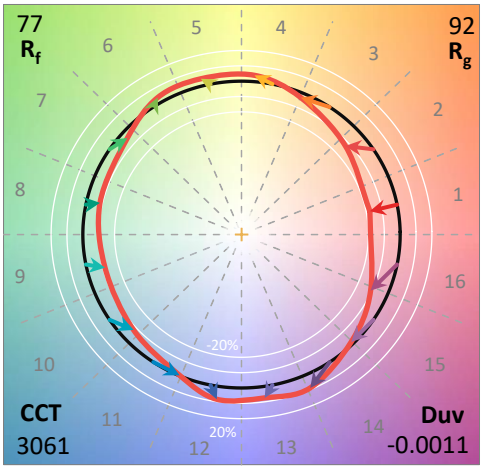
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

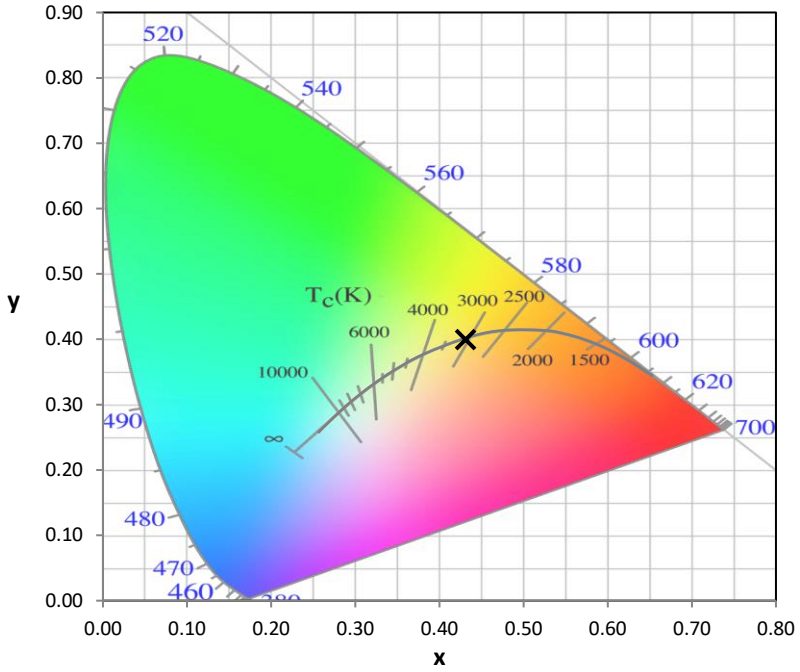
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

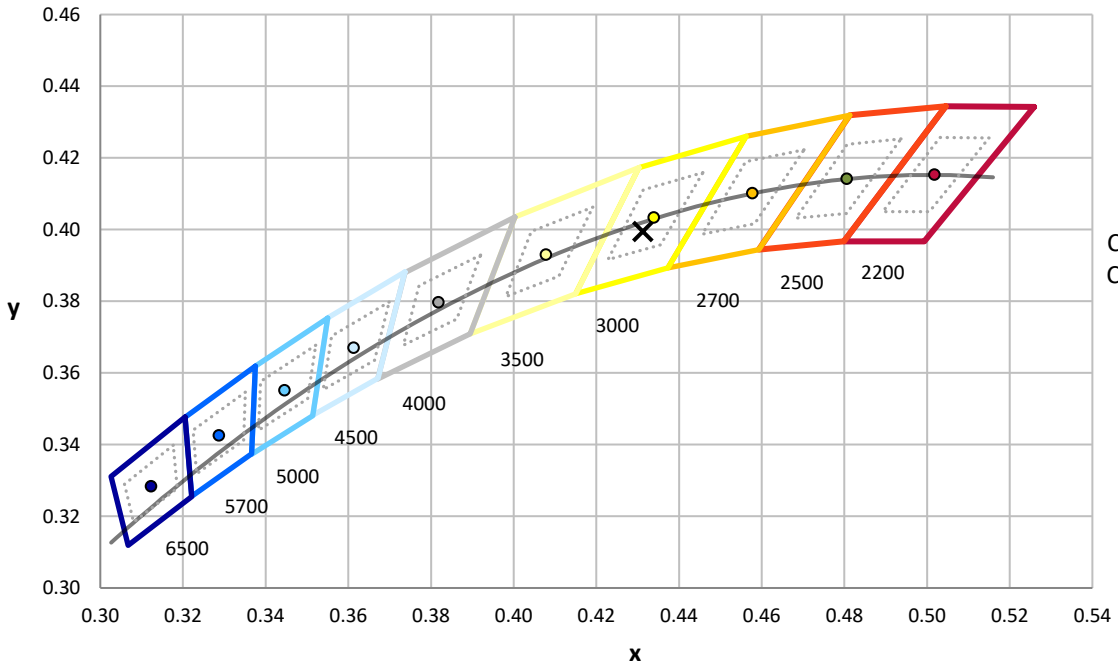
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

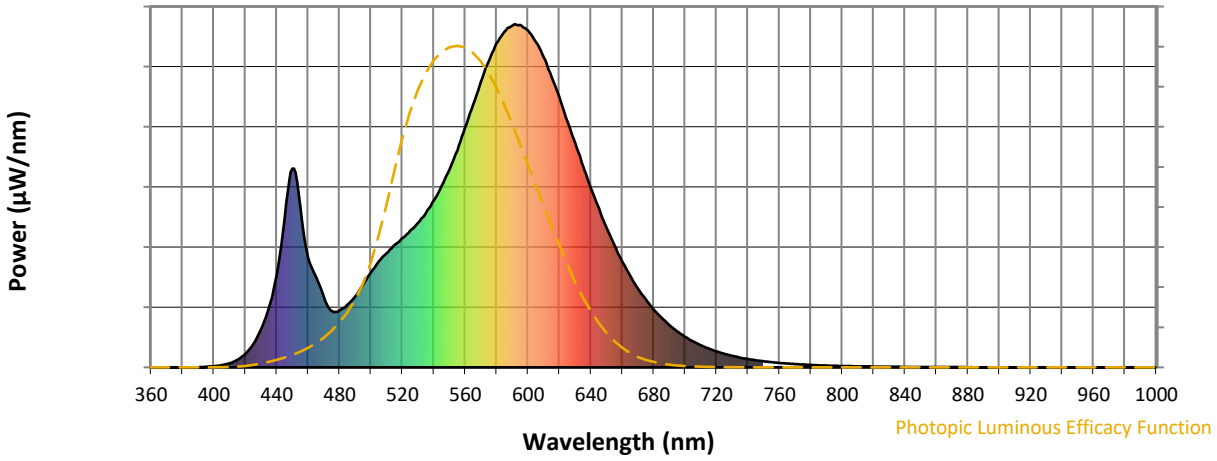


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

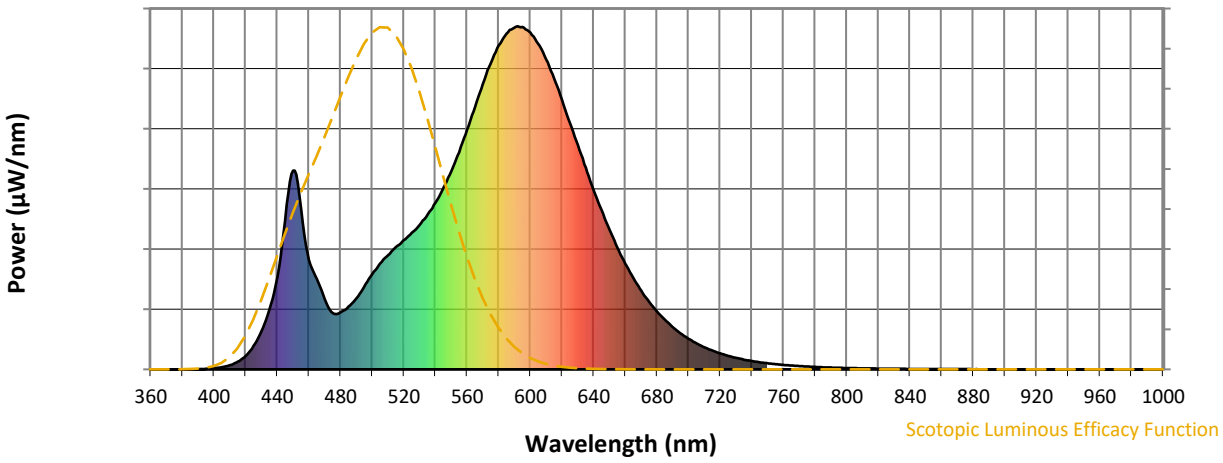


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

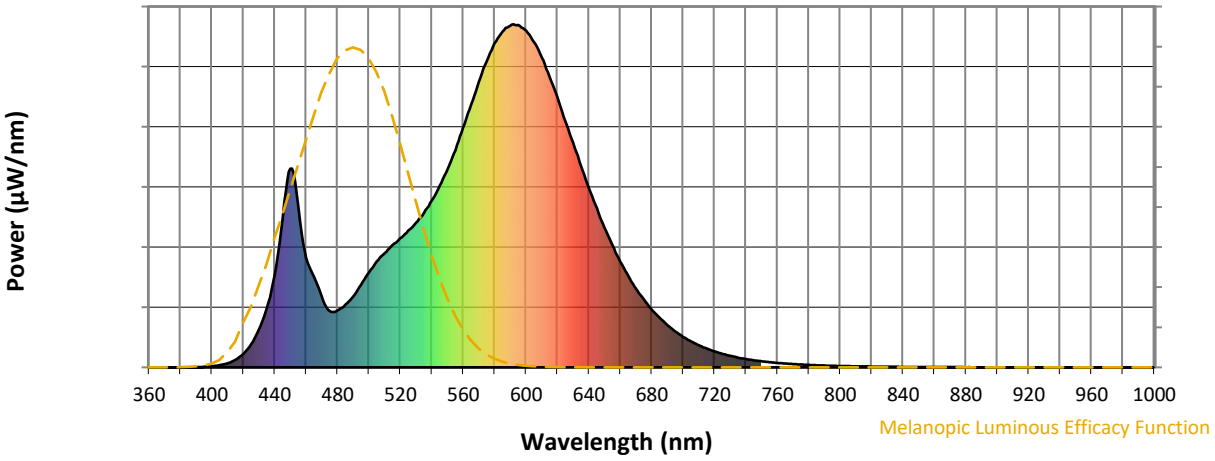


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

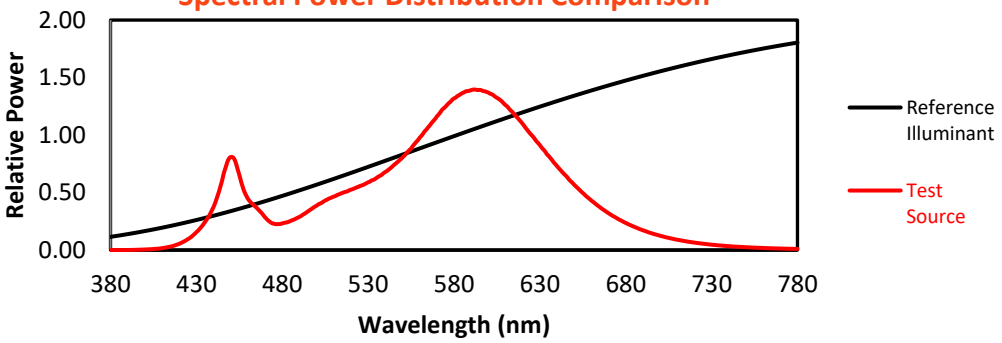
REPORT NUMBER: SP1-2501-332-4

TM-30-18

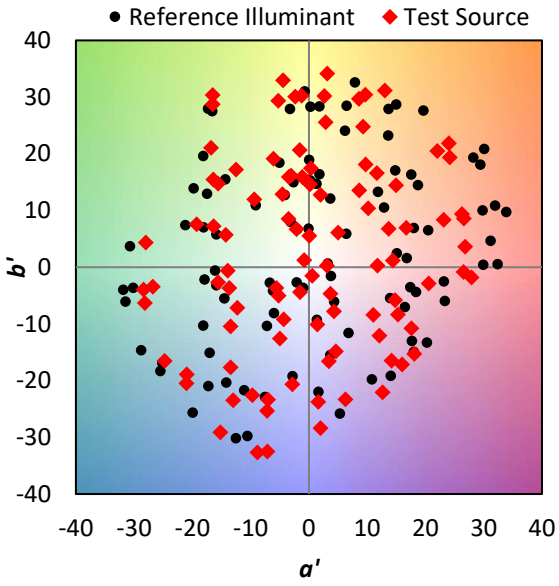
Summary

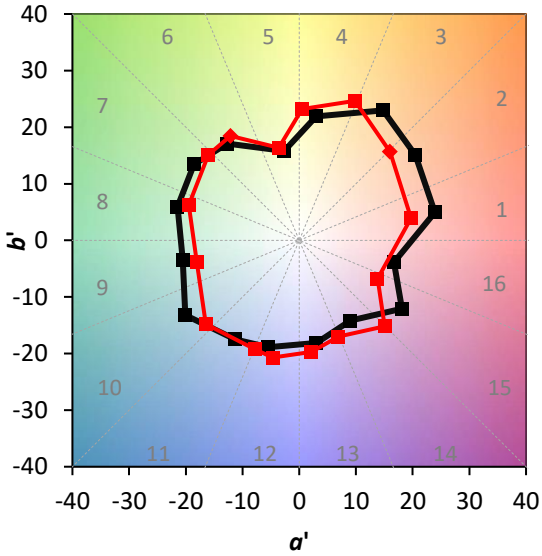
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

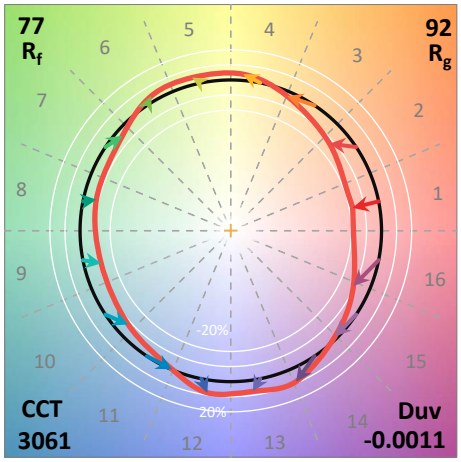
Spectral Power Distribution Comparison

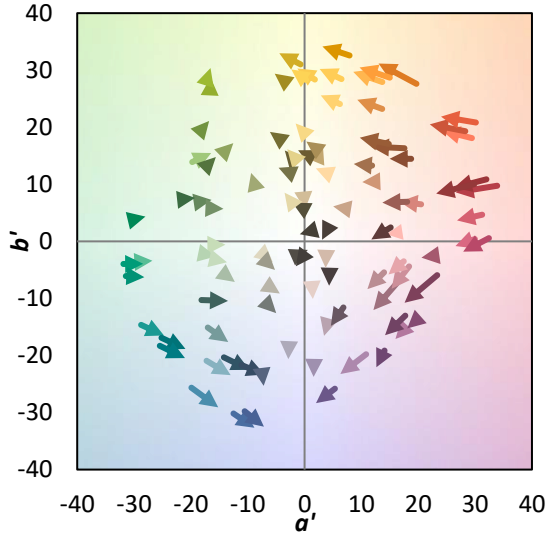


Color Vector Graphics







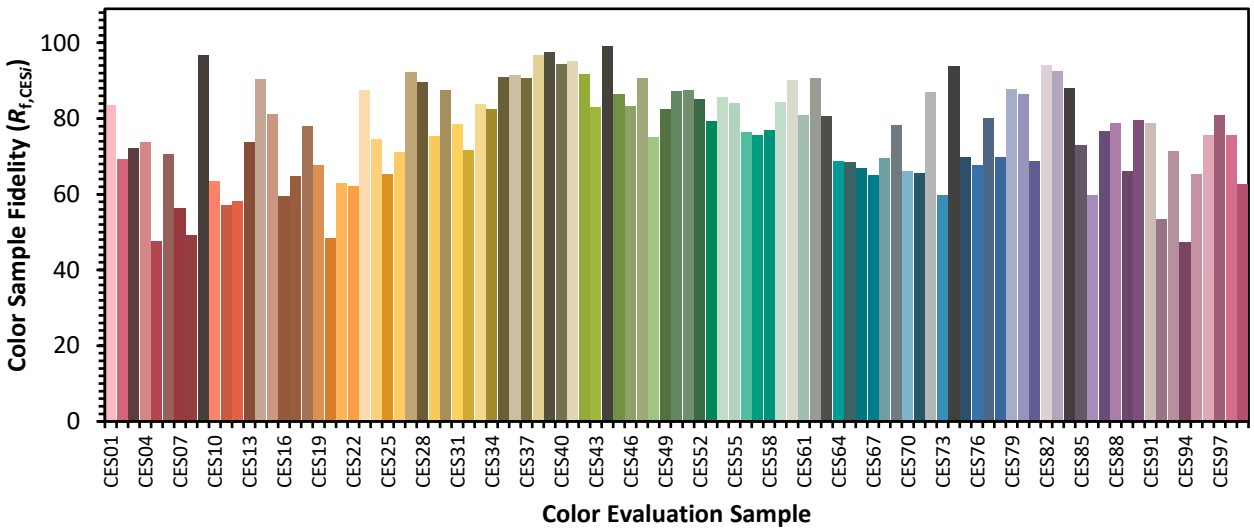


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

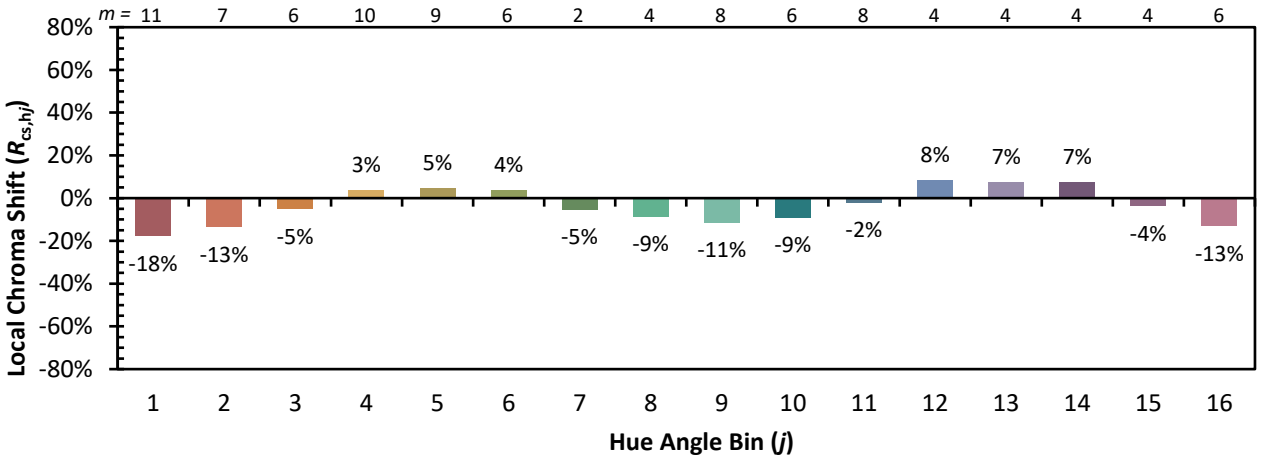
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

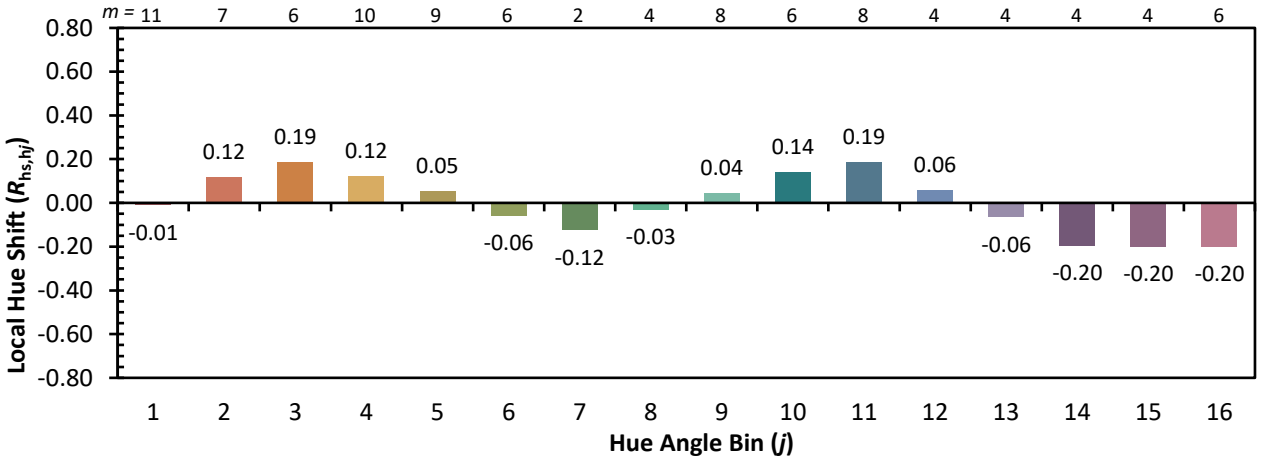


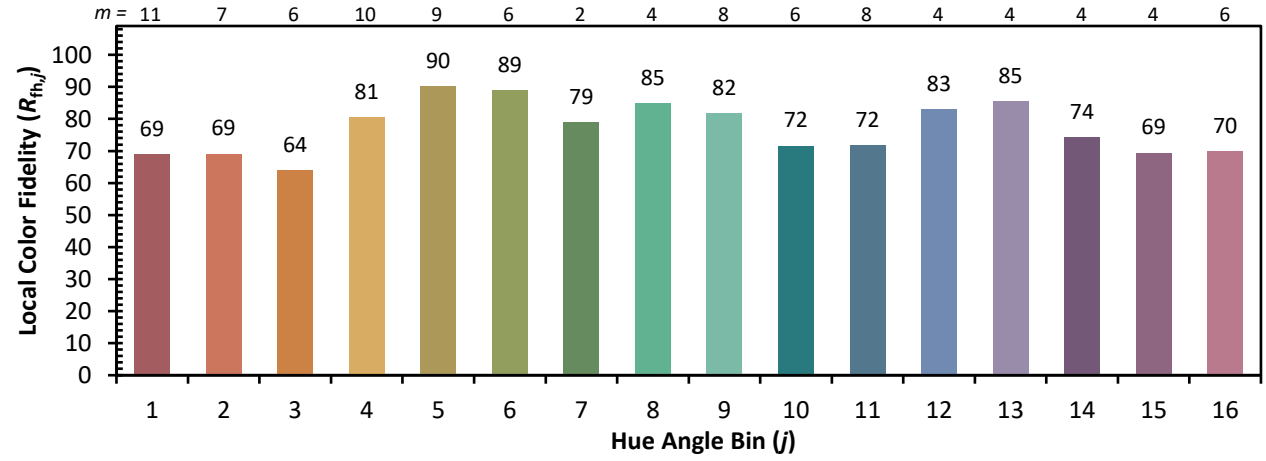
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Color Rendition by Hue-Angle Bin



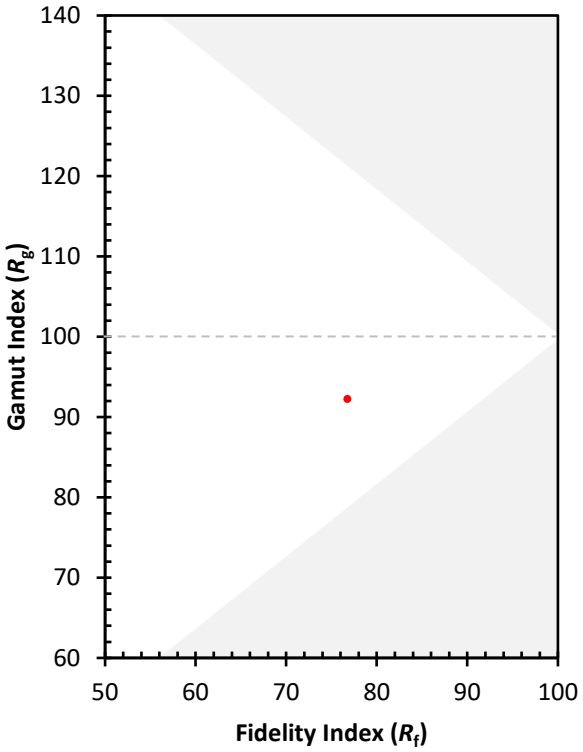


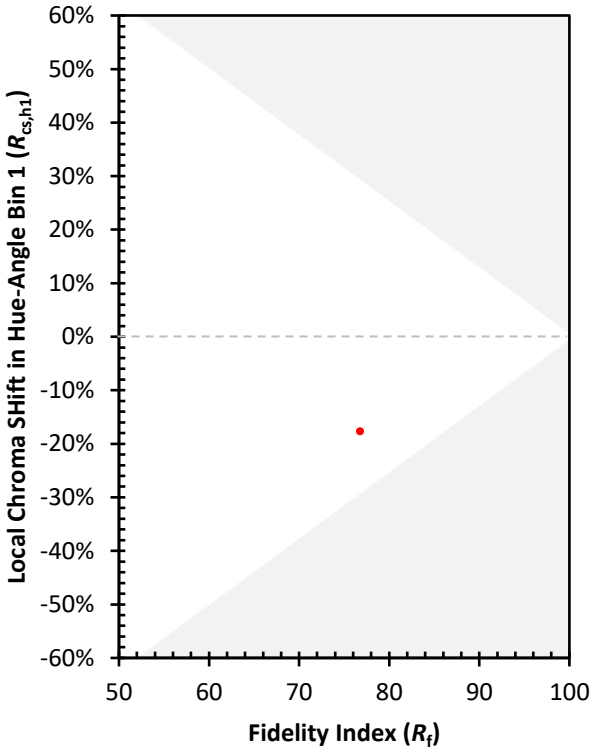


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Measure Comparisons





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