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: P1046244

Luminaire Tested: **FFX-CLB-20-727-U-FR-T4-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:	P1046244
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-727-U-FR-T4-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2731 lumens
Efficiency:	N/A
Efficacy:	137.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U3 - G2

Input Watts (W):	19.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

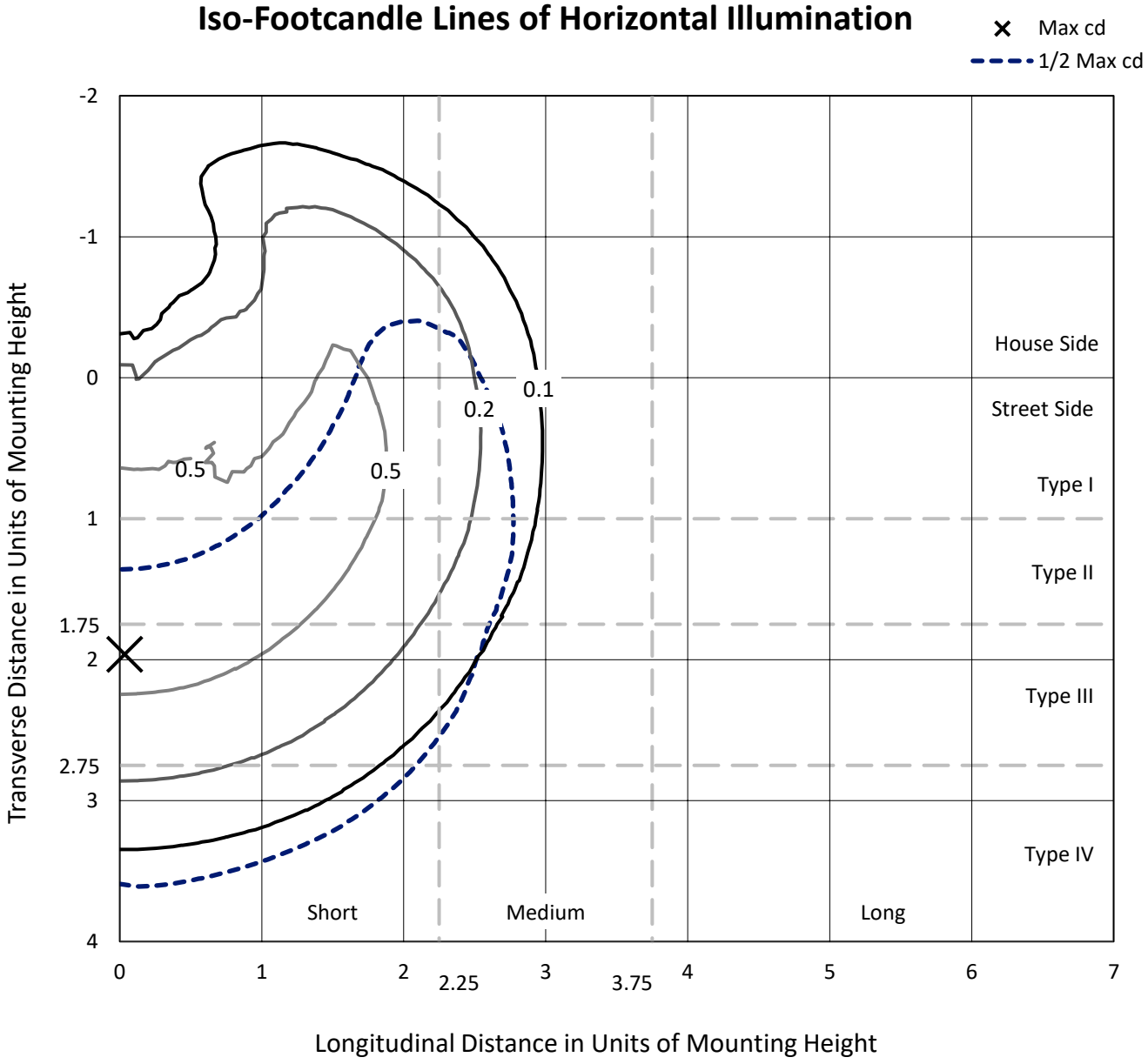


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Iso-Footcandle Lines of Horizontal Illumination



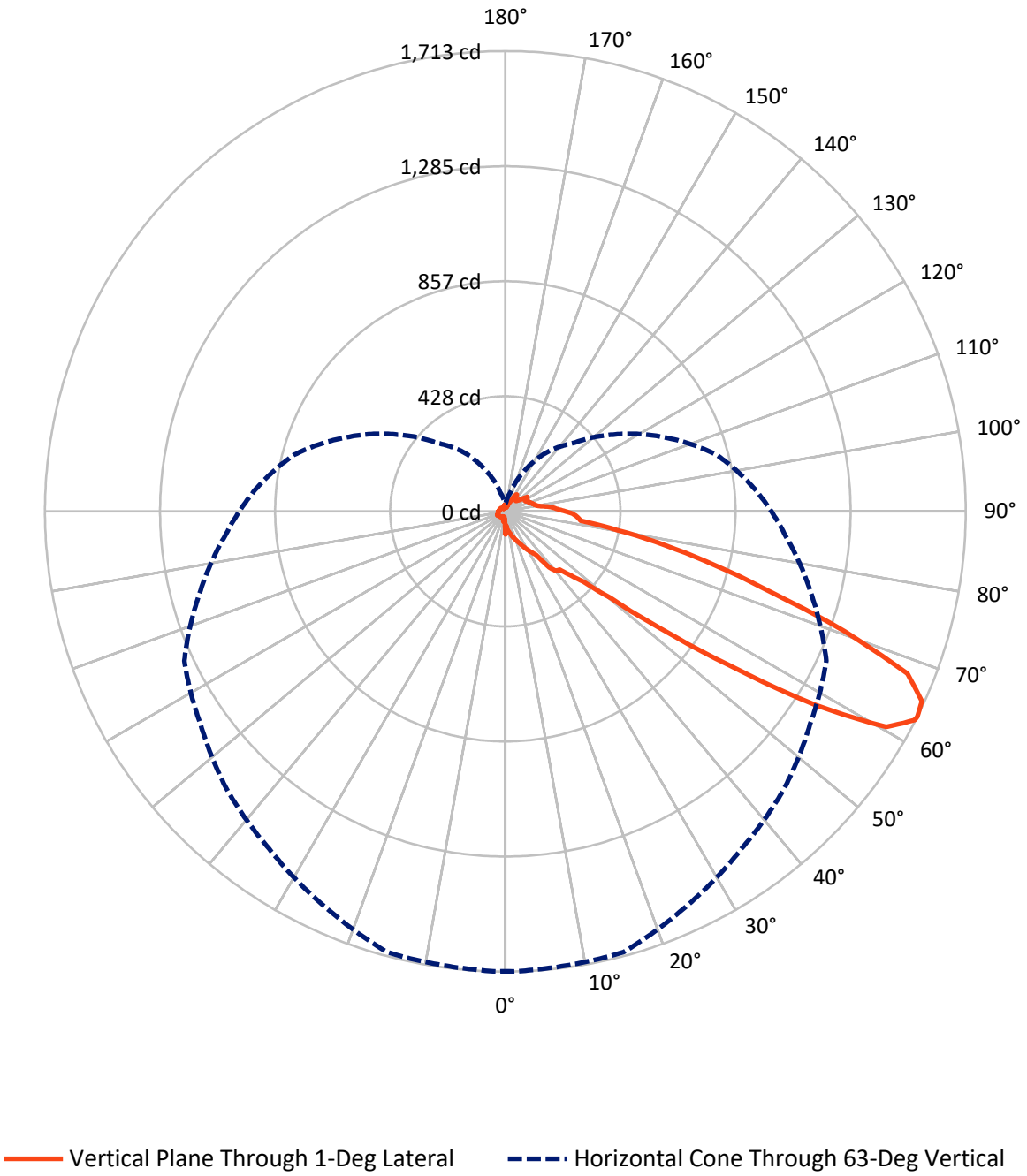
Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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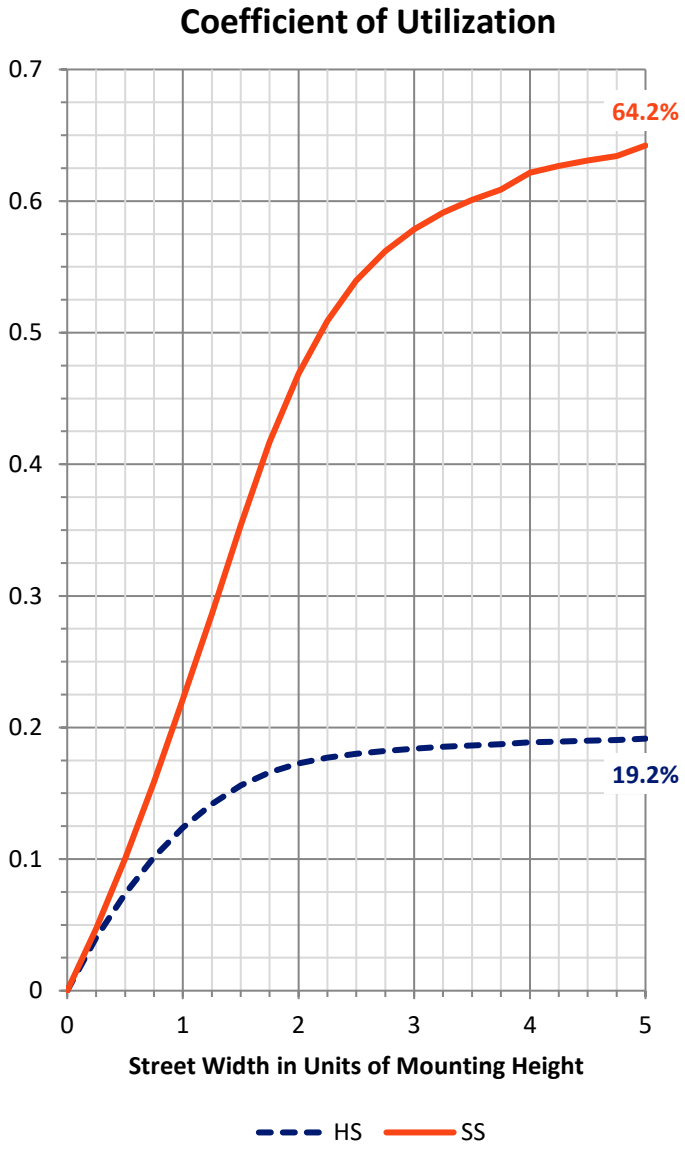
REPORT NUMBER: P1046244
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	540.7	108.3	649.0
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	1831.9	250.1	2081.9
	% Fixture	67.1	9.2	76.2
Total	Lumens	2372.6	358.4	2731.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.2
10°-20°	18.0	0.7
20°-30°	39.6	1.5
30°-40°	81.1	3.0
40°-50°	163.8	6.0
50°-60°	528.6	19.4
60°-70°	870.9	31.9
70°-80°	480.1	17.6
80°-90°	185.5	6.8
90°-100°	111.2	4.1
100°-110°	70.8	2.6
110°-120°	54.2	2.0
120°-130°	46.2	1.7
130°-140°	31.0	1.1
140°-150°	26.4	1.0
150°-160°	12.0	0.4
160°-170°	4.9	0.2
170°-180°	1.7	0.1
0°-90°	2372.6	86.9
0°-180°	2731.0	100.0



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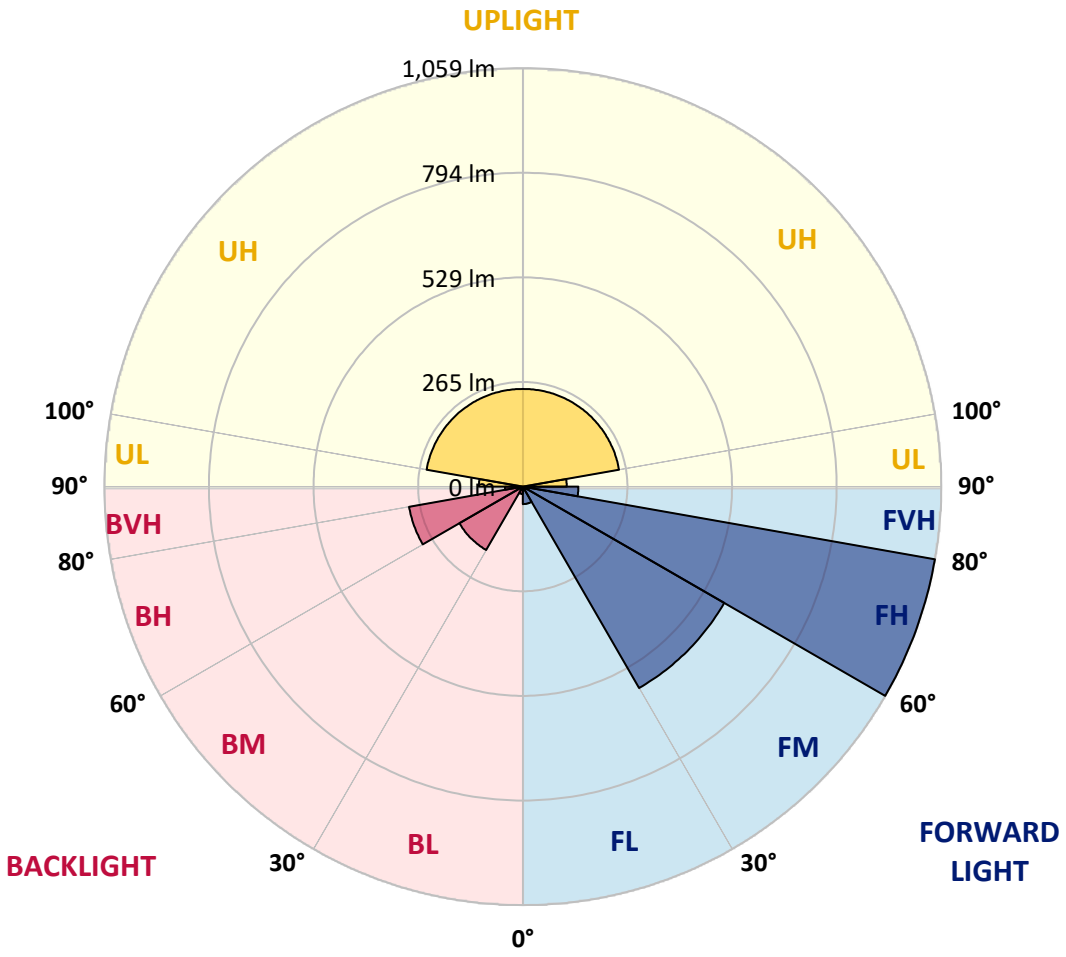
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	44.2	1.6			
FM	(30°-60°)	588.4	21.5			
FH	(60°-80°)	1058.7	38.8			G1/1800
FVH	(80°-90°)	140.5	5.1			G2/225
BL	(0°-30°)	18.4	0.7	B0/110		
BM	(30°-60°)	185.1	6.8	B0/220		
BH	(60°-80°)	292.2	10.7	B1/500		G1/500
BVH	(80°-90°)	44.9	1.6			G1/100
UL	(90°-100°)	111.2	4.1		U3/500	
UH	(100°-180°)	247.2	9.1		U3/500	

BUG Rating: B1-U3-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
2.5°	53.4	52.8	55.4	63.1	71.7	74.4	68.8	66.6	72.9	87.2	88.8
5°	61.6	62.6	62.0	62.9	63.7	69.7	75.2	69.5	56.3	46.0	46.8
7.5°	72.7	72.5	72.5	71.7	67.8	61.6	59.8	64.3	64.5	54.0	45.8
10°	77.5	77.3	77.3	76.5	75.8	76.3	74.4	66.2	59.6	55.4	52.6
12.5°	87.8	87.4	87.2	86.8	85.5	83.9	82.6	83.0	77.3	66.6	59.6
15°	96.4	96.0	96.4	96.7	95.8	93.1	89.2	83.7	78.7	74.2	68.0
17.5°	105.7	105.5	105.3	104.9	103.5	99.9	95.2	90.1	84.5	78.3	72.5
20°	114.6	114.2	114.4	114.6	114.0	109.6	104.9	98.7	92.7	86.6	79.8
22.5°	125.3	125.3	124.7	124.7	124.1	121.4	115.6	108.4	102.2	94.6	87.0
25°	139.1	138.5	138.5	137.9	135.6	132.7	128.6	120.4	113.1	105.9	95.8
27.5°	152.7	152.1	152.1	151.9	149.0	145.1	138.3	130.5	123.6	114.4	102.2
30°	168.2	167.8	168.0	165.9	163.6	158.1	149.6	140.6	131.5	120.8	109.0
32.5°	184.0	182.8	182.6	180.3	177.2	170.6	161.0	152.5	143.0	130.5	120.6
35°	202.4	199.9	202.6	202.0	201.7	194.7	183.8	173.9	162.6	151.3	140.6
37.5°	263.4	264.6	264.0	256.2	250.0	240.5	235.6	224.0	208.4	194.7	174.5
40°	292.2	291.8	290.8	282.3	276.6	266.7	259.0	250.2	241.1	219.5	194.5
42.5°	298.4	296.3	297.8	305.8	313.2	306.6	281.9	253.7	240.9	225.7	212.7
45°	343.9	338.4	340.7	342.9	335.7	326.2	315.5	297.2	275.7	253.9	230.0
47.5°	392.4	389.5	389.3	388.5	389.3	380.2	366.0	349.1	318.6	295.1	268.5
50°	510.7	506.8	508.0	509.0	504.9	495.6	480.2	469.2	432.6	387.6	353.0
52.5°	727.7	725.4	720.0	720.3	683.6	681.7	660.9	651.0	597.2	545.7	476.0
55°	995.6	1010.8	994.1	990.8	975.6	962.0	910.0	866.8	789.7	715.7	633.9
57.5°	1358.5	1361.0	1339.9	1340.4	1286.6	1252.4	1204.5	1138.4	1023.6	916.8	825.1
60°	1622.9	1629.3	1619.4	1598.8	1494.7	1433.5	1380.7	1328.6	1241.0	1082.3	954.6
62.5°	1709.0	1710.9	1704.7	1693.8	1601.9	1523.8	1455.8	1380.3	1313.1	1170.1	1041.9
63°	1712.1	1713.4	1708.6	1699.3	1614.0	1533.0	1465.0	1384.2	1318.3	1177.8	1047.1
65°	1703.7	1704.3	1702.2	1689.7	1621.6	1535.9	1461.1	1381.4	1321.0	1181.0	1047.1
67.5°	1628.5	1613.8	1620.0	1599.0	1542.3	1457.0	1385.5	1304.3	1249.9	1114.5	986.3
70°	1339.9	1340.8	1339.9	1328.4	1312.3	1244.9	1161.3	1088.3	1019.5	913.3	812.6
72.5°	1036.6	1040.7	1031.8	1038.4	1025.3	969.6	915.6	841.6	793.2	703.1	614.3
75°	802.9	811.3	814.0	795.1	783.9	772.0	742.5	689.3	640.9	571.1	493.6
77.5°	606.7	608.3	610.6	597.8	583.0	587.7	583.4	558.1	517.5	466.2	404.7
80°	419.2	423.7	431.3	423.9	425.6	422.9	422.3	402.1	372.8	340.6	307.5
82.5°	281.7	281.5	283.4	295.3	306.2	305.8	288.5	260.1	245.2	235.8	217.2
85°	269.6	269.6	272.4	263.8	258.4	252.9	251.8	242.1	230.6	209.6	183.8
87.5°	251.4	250.8	251.6	244.2	237.0	235.3	233.5	225.2	220.1	201.8	178.1
90°	215.1	216.6	216.6	216.0	211.6	209.8	202.8	195.8	192.7	176.2	157.6
92.5°	189.8	189.8	191.9	188.2	183.4	186.1	174.1	164.9	160.7	149.6	134.8
95°	171.5	171.0	173.7	168.4	164.9	159.9	154.8	145.3	142.2	132.7	117.7
97.5°	137.0	136.4	137.9	135.4	130.0	127.6	122.2	114.6	111.7	102.8	93.6
100°	117.9	117.7	118.3	116.9	113.8	110.9	106.3	100.2	97.5	90.1	82.0
102.5°	111.9	111.3	111.5	111.7	107.2	104.5	100.0	95.4	92.7	86.6	77.7
105°	106.5	106.1	105.7	105.7	100.6	97.9	95.0	91.9	89.6	83.0	74.4
107.5°	101.4	100.8	99.5	99.3	96.0	93.1	89.6	86.8	84.5	78.5	70.3

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	95.8	*95.6*	94.8	95.0	92.9	88.4	85.5	82.2	79.3	74.0	66.8
112.5°	92.9	*92.9*	92.3	93.2	85.1	80.6	77.5	74.6	72.7	67.6	62.2
115°	89.8	*88.2*	87.6	89.6	80.2	74.0	70.9	67.8	65.9	60.8	56.3
117.5°	83.1	*82.8*	83.0	84.5	81.8	75.0	69.9	66.1	64.1	60.4	56.3
120°	94.8	*94.4*	92.1	91.7	87.0	81.6	78.3	76.2	73.2	67.2	59.4
122.5°	99.1	*98.3*	94.6	95.8	89.6	86.8	85.5	84.7	82.0	74.0	62.2
125°	86.3	*85.1*	84.1	84.5	81.0	77.5	76.2	75.0	72.3	67.8	59.3
127.5°	69.2	*69.7*	69.0	66.8	66.2	61.0	59.3	57.9	55.4	51.7	50.3
130°	64.9	*64.5*	64.3	63.9	63.5	59.6	56.9	53.6	51.5	48.4	44.7
132.5°	57.7	*58.1*	58.7	62.0	65.1	61.8	54.8	49.7	48.4	49.0	47.4
135°	54.8	*55.0*	55.0	57.5	60.2	56.9	51.7	46.8	46.2	48.4	46.4
137.5°	56.1	*57.1*	56.9	56.3	54.8	52.5	51.3	48.6	47.0	45.7	42.4
140°	59.3	*60.4*	59.8	56.5	55.4	54.2	55.0	54.0	50.1	45.5	40.6
142.5°	58.9	*59.8*	59.4	59.1	61.2	58.5	54.8	51.1	48.0	45.5	42.4
145°	76.3	*76.0*	74.4	74.4	71.9	67.8	65.3	61.4	57.7	54.4	49.3
147.5°	70.5	*71.5*	71.9	70.1	69.0	66.2	65.9	63.7	62.6	59.6	54.4
150°	55.9	*56.7*	55.6	54.2	53.6	53.8	52.8	51.3	50.1	48.0	45.7
152.5°	38.7	*39.0*	38.7	37.5	37.1	36.5	36.7	35.6	34.8	33.4	31.3
155°	35.2	*35.4*	35.6	33.6	33.2	33.4	33.6	32.8	31.3	30.1	27.6
157.5°	27.6	*27.2*	27.2	26.8	27.0	26.4	26.4	26.2	25.6	24.9	24.1
160°	22.0	*22.1*	22.1	22.1	22.5	22.1	22.1	21.6	21.6	21.2	20.8
162.5°	18.6	*18.6*	18.6	18.6	18.5	18.5	18.8	18.6	18.6	18.8	19.2
165°	15.7	*15.9*	15.9	15.9	15.9	15.9	16.3	16.3	16.7	17.5	18.5
167.5°	14.8	*14.6*	14.6	14.8	14.8	15.2	15.2	15.9	17.3	18.6	18.6
170°	14.0	*14.0*	14.0	14.2	14.2	14.4	15.0	16.3	17.9	18.5	17.7
172.5°	14.6	*14.4*	14.4	14.6	14.6	15.2	15.9	17.1	17.7	17.7	16.9
175°	15.0	*14.8*	14.8	15.0	15.0	15.3	16.1	16.9	17.3	17.5	17.5
177.5°	14.6	*14.6*	14.6	14.6	14.6	14.8	14.8	15.3	15.7	16.1	16.5
180°	14.0	*14.0*	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
2.5°	88.8	81.0	69.5	55.6	64.7	76.0	74.4	65.7	52.5	39.4	39.4
5°	49.1	52.1	55.0	48.2	43.1	42.7	41.6	37.3	36.7	30.3	28.6
7.5°	42.9	40.2	39.6	46.8	46.2	30.5	24.1	21.4	22.5	30.5	31.5
10°	51.5	50.3	46.6	38.9	32.4	29.5	29.3	29.7	27.2	22.0	20.6
12.5°	58.1	56.1	52.8	50.5	43.1	34.4	29.5	27.4	28.9	36.7	38.5
15°	64.5	61.8	56.1	49.7	42.4	35.9	30.9	26.4	26.4	25.3	24.7
17.5°	69.5	66.1	59.3	52.3	43.9	35.9	29.3	24.9	22.7	22.3	22.3
20°	76.0	72.7	65.3	56.7	46.2	36.3	29.1	24.9	22.3	21.4	21.2
22.5°	83.9	79.6	70.1	60.0	47.6	36.7	29.5	25.1	22.5	21.2	20.8
25°	91.3	86.4	75.2	64.7	50.7	37.7	29.9	25.6	22.9	21.4	21.2
27.5°	97.3	92.1	81.6	69.5	54.0	40.0	31.9	26.8	23.5	22.0	21.6
30°	104.1	99.3	88.2	74.6	57.1	42.9	34.6	28.9	25.3	23.1	22.9
32.5°	114.2	108.2	95.4	79.8	60.8	46.0	37.3	30.9	26.4	25.3	25.3
35°	132.5	126.3	109.4	88.4	64.3	49.1	40.0	33.0	28.2	25.4	25.3
37.5°	166.7	158.1	137.0	107.8	70.3	51.7	42.4	34.8	29.1	25.3	24.7
40°	182.4	167.8	145.3	118.1	79.1	54.6	44.3	36.1	29.3	25.8	25.4
42.5°	201.1	188.8	157.0	120.6	85.5	61.8	47.6	37.7	30.5	26.6	26.2
45°	218.9	207.1	180.3	142.6	99.9	72.5	53.4	40.8	32.4	27.8	27.0
47.5°	251.4	238.9	201.7	165.1	119.7	89.2	65.1	45.7	35.2	28.9	28.0
50°	335.7	318.0	274.1	218.7	153.1	113.3	83.3	55.8	38.9	29.5	28.4
52.5°	444.5	417.5	369.9	299.2	218.9	160.3	116.8	81.0	45.3	29.7	28.0
55°	620.9	587.7	511.1	407.8	306.6	239.1	176.8	124.5	66.6	31.1	27.8
57.5°	788.1	763.5	696.6	557.9	406.6	303.8	232.5	175.2	90.7	34.2	29.1
60°	911.1	864.1	786.0	643.8	491.1	352.6	258.8	182.2	93.2	34.8	30.1
62.5°	984.5	926.5	810.7	656.2	503.2	362.7	269.3	167.7	75.4	34.0	31.5
63°	*990.0*	*933.7*	*813.8*	*652.0*	*499.3*	*360.0*	*267.7*	*164.2*	*73.2*	*33.8*	*31.9*
65°	983.2	934.2	802.9	629.6	466.2	335.9	249.2	147.4	59.4	33.2	32.2
67.5°	915.6	875.8	746.0	569.2	415.2	290.0	206.3	112.5	46.4	31.7	31.3
70°	766.4	720.7	603.0	470.5	329.1	234.3	164.5	87.2	38.3	30.1	29.7
72.5°	570.4	551.3	458.1	358.0	253.1	180.7	123.6	66.2	34.0	28.9	28.6
75°	461.2	432.6	363.3	282.9	192.5	134.2	91.7	49.7	31.1	28.0	27.6
77.5°	381.3	362.3	302.3	213.5	137.3	96.7	67.4	39.4	29.7	27.4	27.2
80°	295.3	283.4	235.8	157.9	98.3	72.1	53.4	36.1	29.1	27.2	27.0
82.5°	208.3	204.6	171.7	118.1	83.5	64.5	49.7	35.6	29.3	27.6	27.2
85°	172.5	164.5	144.5	112.3	79.3	61.8	48.0	35.0	29.3	27.4	27.2
87.5°	168.0	161.4	139.9	105.1	72.7	57.1	45.1	33.6	28.4	26.6	26.4
90°	151.9	145.3	125.3	93.8	68.4	53.6	42.2	31.9	27.2	25.8	25.4
92.5°	129.6	123.6	108.8	85.3	65.5	51.5	41.0	31.3	27.0	25.4	25.3
95°	112.5	107.4	95.4	78.5	60.4	48.0	38.9	30.1	26.2	24.9	24.7
97.5°	89.6	86.4	77.1	63.9	51.1	42.0	34.8	28.4	25.3	24.1	23.9
100°	78.9	76.2	68.8	57.9	47.4	39.6	33.6	27.8	24.5	23.5	23.3
102.5°	74.0	71.9	65.3	54.4	44.5	37.7	32.1	26.8	23.9	22.9	22.7
105°	70.3	68.4	62.4	51.9	42.0	35.2	30.1	25.6	22.9	22.1	22.0
107.5°	65.9	64.3	58.5	48.2	39.4	33.0	28.6	24.7	22.3	21.6	21.6

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

Scaled Data Report

REPORT NUMBER: P1046244
CATALOG NUMBER: FFX-CLB-20-727-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	62.2	61.0	55.0	46.0	37.7	31.7	27.6	24.3	22.1	21.4	21.4
112.5°	58.3	56.9	51.3	43.3	36.1	30.7	26.8	23.7	21.8	21.0	21.0
115°	54.0	52.6	47.2	40.2	34.2	29.1	25.6	22.7	21.0	20.4	20.4
117.5°	54.8	51.3	44.7	38.5	32.6	28.0	24.9	22.3	20.4	20.0	19.8
120°	55.6	51.1	46.2	40.4	33.6	27.4	24.3	21.8	20.2	19.6	19.6
122.5°	54.2	54.8	50.5	41.6	32.1	26.8	24.1	22.0	20.4	19.8	20.0
125°	53.0	54.4	49.3	39.2	30.9	26.6	24.1	22.5	21.2	20.6	20.6
127.5°	48.8	49.0	42.0	35.2	30.1	26.0	23.9	22.7	21.6	20.8	20.4
130°	42.9	42.5	39.2	34.2	28.4	25.1	23.1	22.5	21.4	20.0	19.8
132.5°	46.0	44.9	39.4	32.4	26.8	24.1	22.9	22.1	20.2	18.6	18.5
135°	43.7	42.5	36.9	30.3	26.0	24.5	23.9	22.0	19.0	17.9	17.7
137.5°	39.8	37.9	33.2	28.9	26.4	25.4	24.1	21.6	18.6	17.3	17.1
140°	38.3	36.3	32.6	29.7	26.8	23.7	21.4	19.0	17.1	15.9	15.7
142.5°	40.2	38.7	35.0	29.7	25.1	21.8	19.6	18.1	16.3	14.6	14.4
145°	46.8	43.9	38.9	33.4	28.6	24.7	21.4	18.1	15.0	13.0	12.8
147.5°	51.9	49.5	44.1	37.9	31.1	24.9	20.0	15.9	13.4	12.2	12.0
150°	43.1	41.8	37.7	32.6	27.6	22.0	17.3	14.2	12.6	12.2	12.2
152.5°	30.1	29.1	27.8	24.5	20.6	17.3	14.8	13.2	12.6	12.4	12.4
155°	26.6	26.0	24.3	21.4	18.6	16.1	14.2	13.0	12.8	12.6	12.6
157.5°	22.9	22.7	21.6	19.2	17.1	15.2	13.8	13.2	12.8	12.6	12.6
160°	20.6	20.0	18.8	17.3	15.9	14.8	14.0	13.6	13.2	13.0	13.0
162.5°	19.2	18.8	17.5	16.3	15.5	15.3	15.5	15.3	14.4	13.8	13.6
165°	18.3	18.1	16.7	15.9	15.5	16.5	17.7	17.3	15.5	14.6	14.6
167.5°	18.3	17.9	16.5	15.9	16.9	18.3	19.2	19.0	17.5	16.5	15.9
170°	17.3	16.9	16.5	16.7	18.1	18.6	18.8	19.2	19.4	20.4	20.8
172.5°	16.7	16.7	17.1	17.9	19.0	19.2	18.6	18.8	20.6	22.7	22.9
175°	17.5	17.5	18.3	19.6	20.2	20.6	19.8	20.0	22.0	24.1	24.3
177.5°	16.7	16.9	17.3	17.5	17.3	16.7	16.5	17.3	16.7	16.5	17.1
180°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0

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

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-8

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

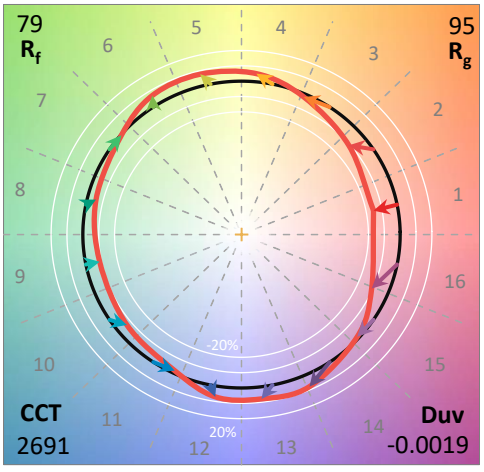
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

0

Spectral Parameters

CCT (K):	2691	CRI (Ra):	75.2		
CIE u':	0.2634	R1:	72.6	R9:	-22.6
CIE v':	0.5248	R2:	88.2	R10:	75.5
Duv:	-0.0019	R3:	92.0	R11:	69.1
CIE x:	0.4574	R4:	71.0	R12:	71.3
CIE y:	0.4050	R5:	73.5	R13:	75.9
CIE z:	0.1375	R6:	86.2	R14:	95.9
Peak Wavelength (nm):	602	R7:	75.1	R15:	63.7
Dominant Wavelength (nm):	584	R8:	43.1		
Purity:	58.87605				

Rf:	79.3
Rg:	95.1



Test Conditions

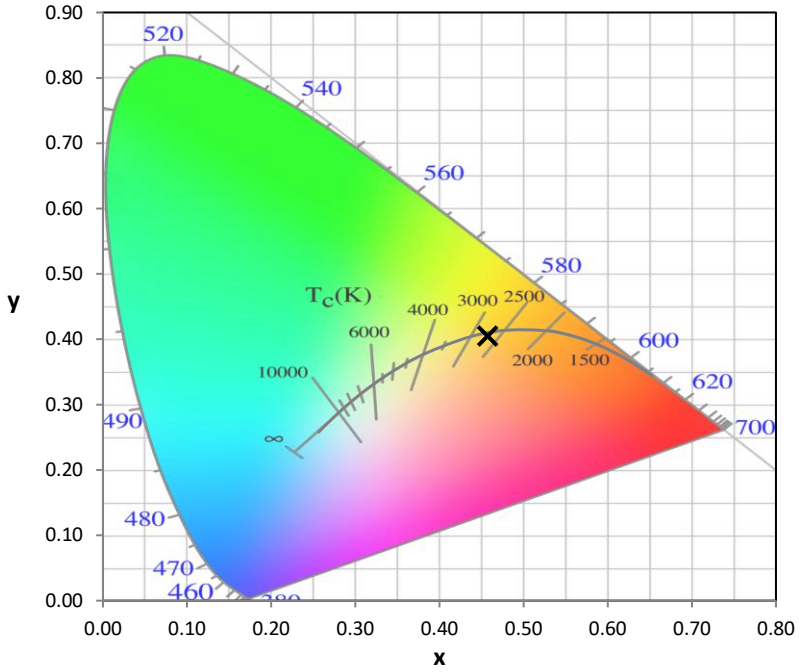
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

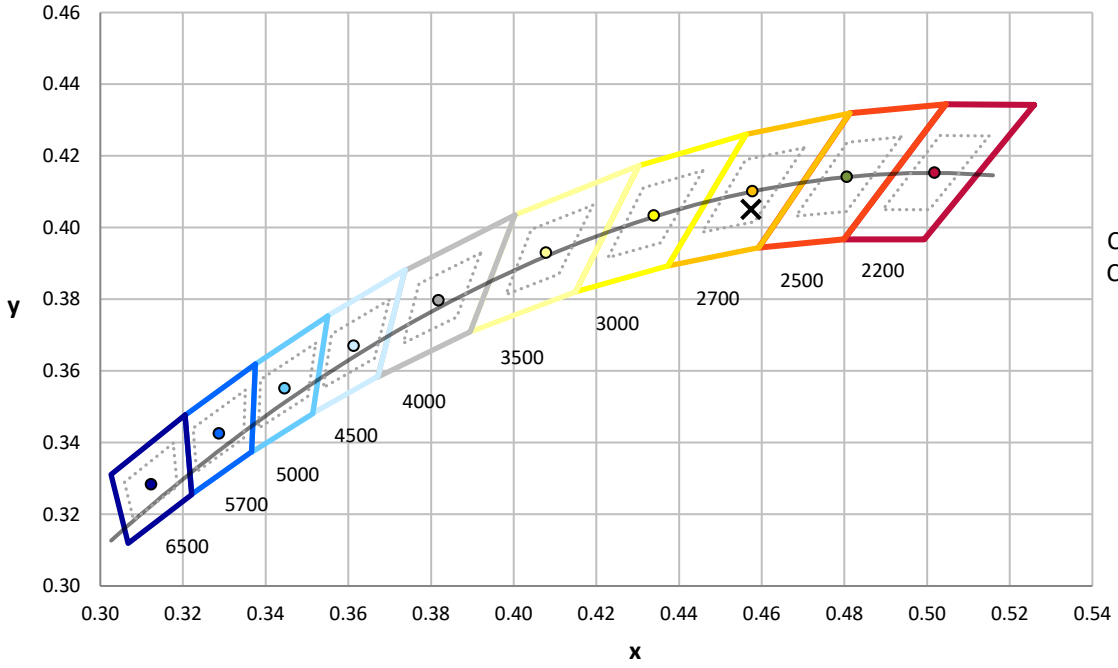
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-8

CIE 1931 Chromaticity Diagram



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

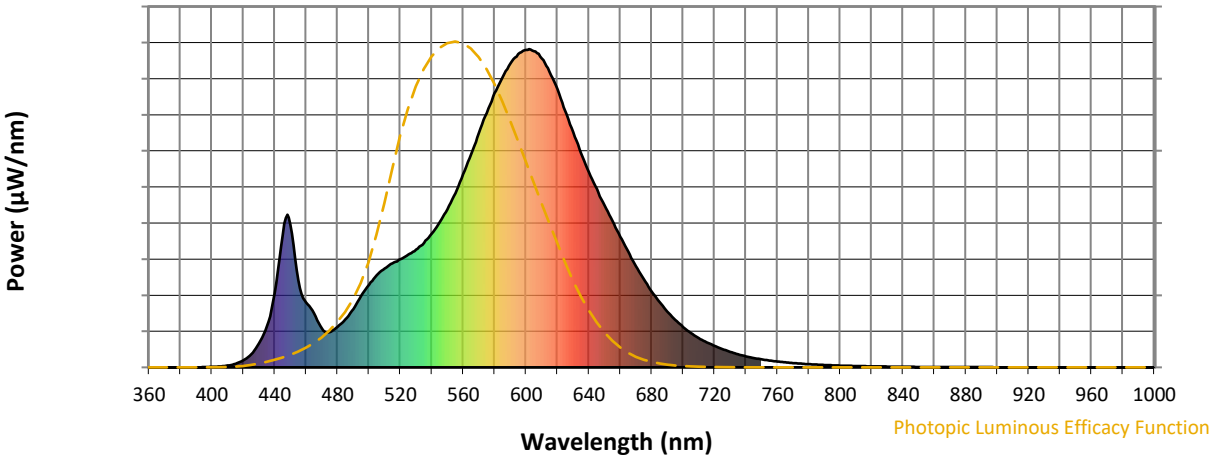


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

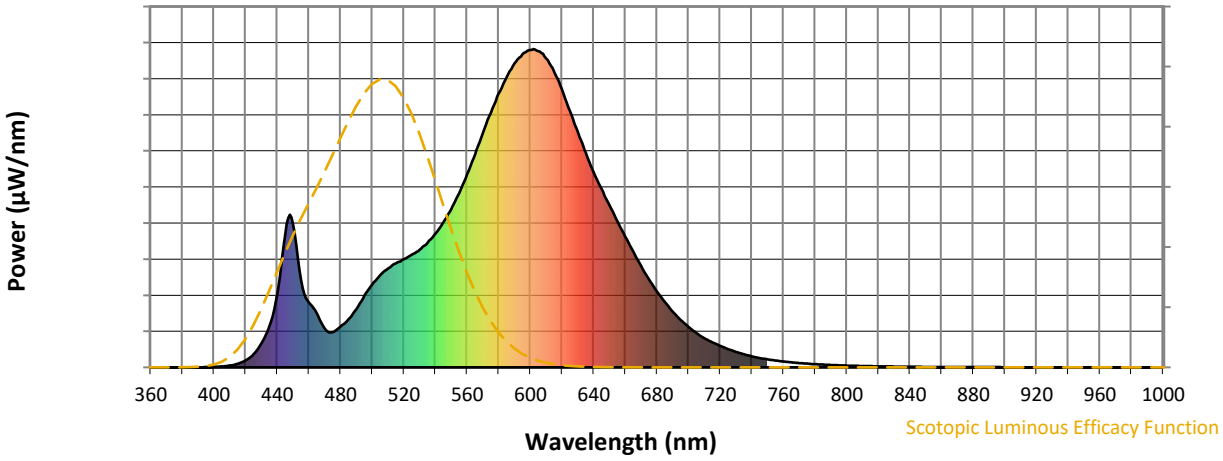


Photopic Lumens: NR

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Scotopic Flux vs. Wavelength

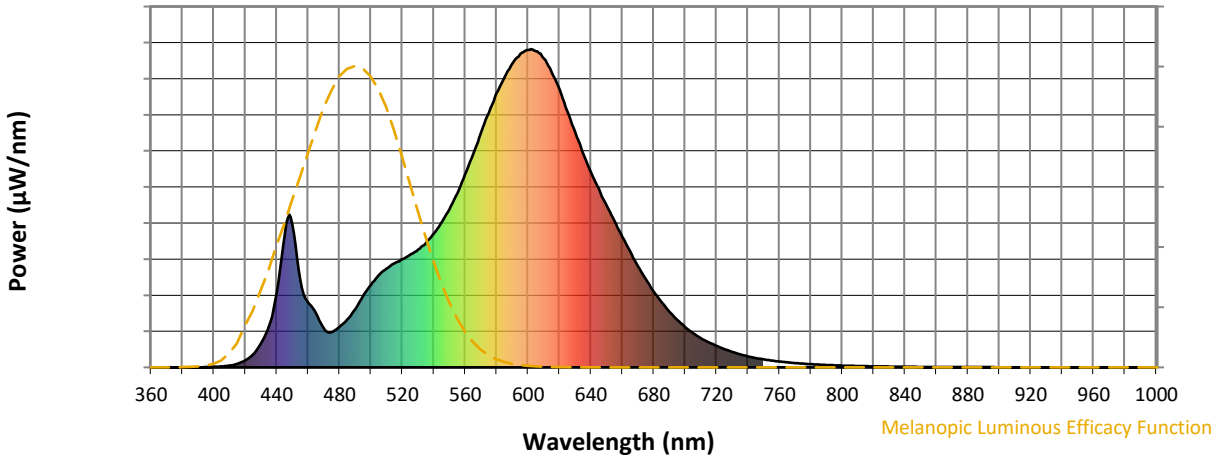


Scotopic Lumens: NR **S/P: 1.18**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.19**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

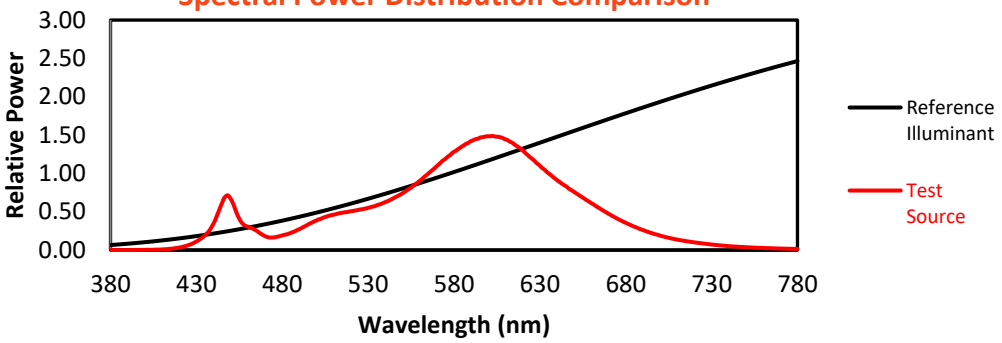
REPORT NUMBER: SP1-2501-332-8

TM-30-18

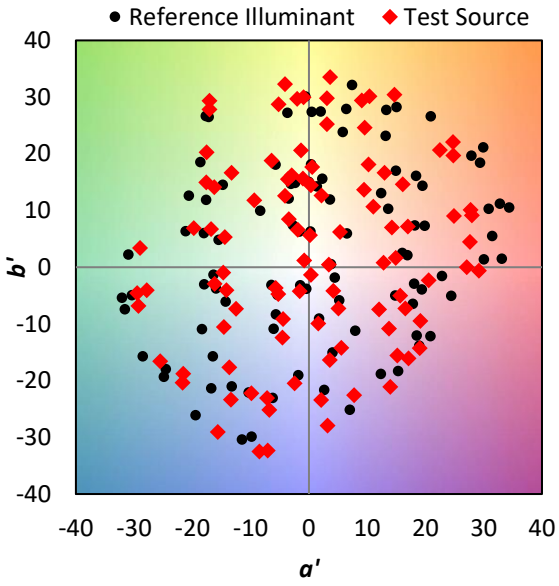
Summary

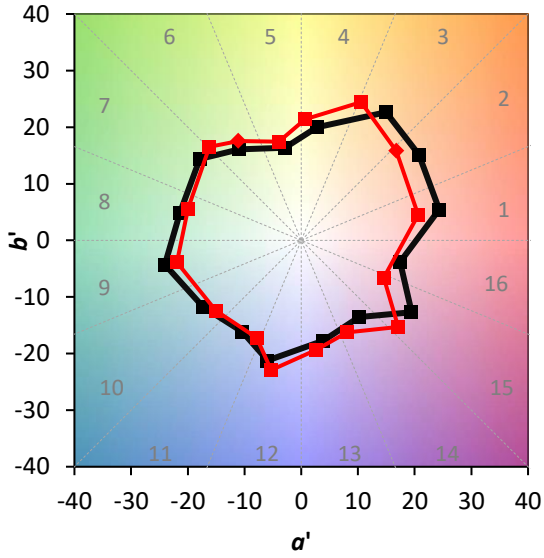
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R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

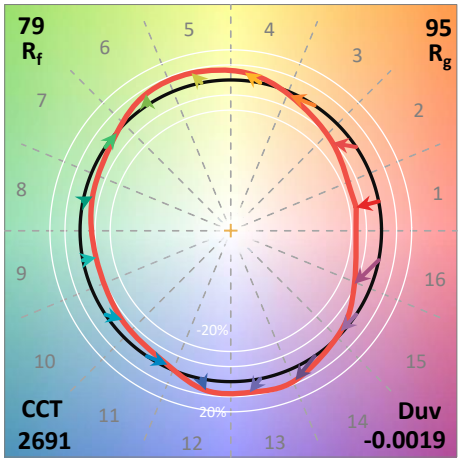
Spectral Power Distribution Comparison

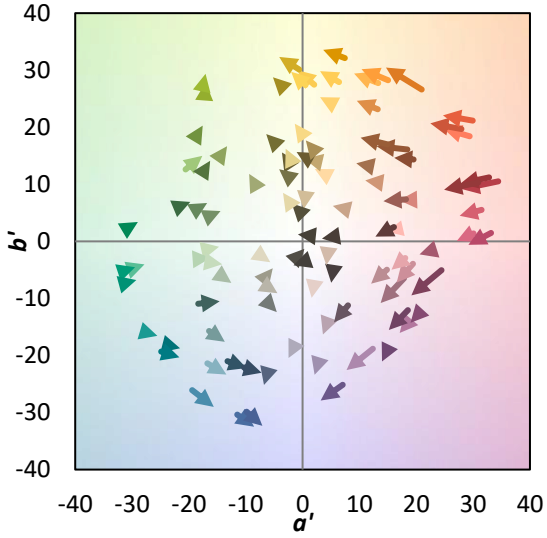


Color Vector Graphics







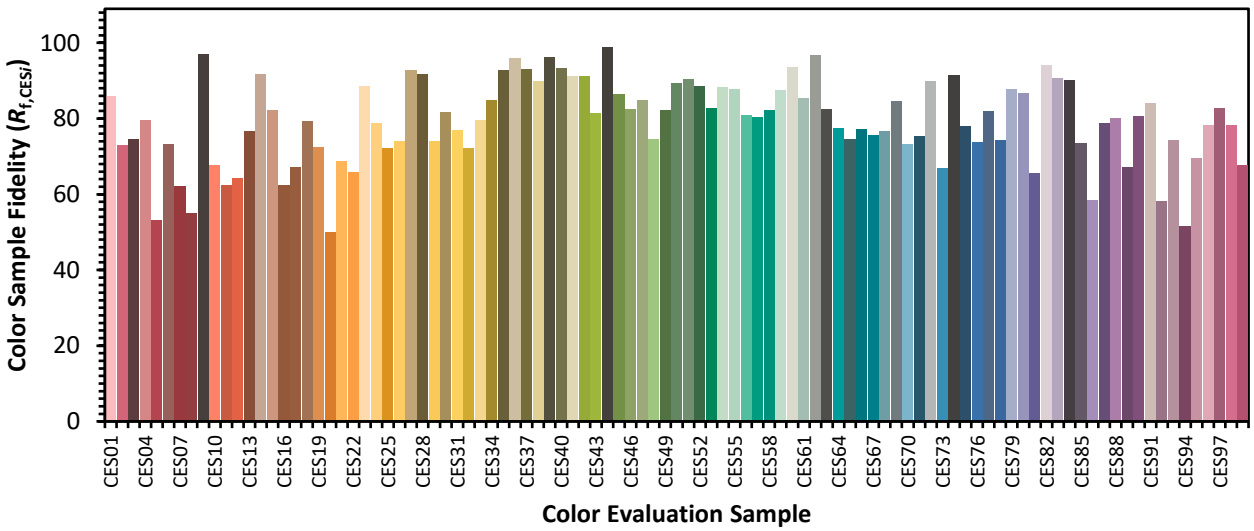


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

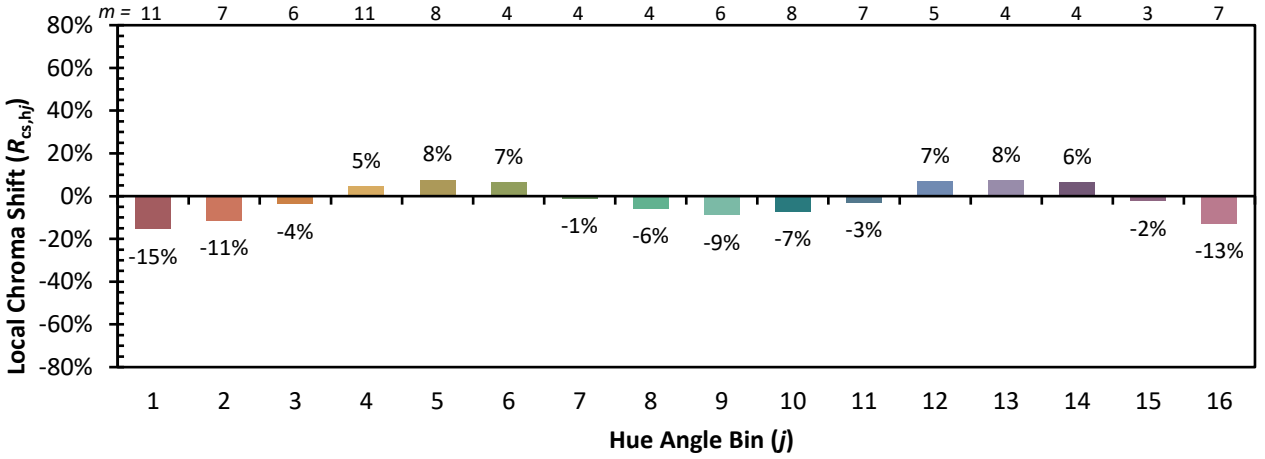
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CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 80	CES82 = 94
CES08 = 41	CES33 = 80	CES58 = 82	CES83 = 91
CES09 = 29	CES34 = 85	CES59 = 88	CES84 = 90
CES10 = 77	CES35 = 93	CES60 = 94	CES85 = 73
CES11 = 60	CES36 = 96	CES61 = 85	CES86 = 58
CES12 = 66	CES37 = 93	CES62 = 97	CES87 = 79
CES13 = 44	CES38 = 90	CES63 = 83	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 77	CES89 = 67
CES15 = 72	CES40 = 93	CES65 = 75	CES90 = 81
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 84
CES17 = 51	CES42 = 91	CES67 = 76	CES92 = 58
CES18 = 57	CES43 = 82	CES68 = 77	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 85	CES94 = 52
CES20 = 67	CES45 = 86	CES70 = 73	CES95 = 70
CES21 = 87	CES46 = 83	CES71 = 75	CES96 = 78
CES22 = 80	CES47 = 85	CES72 = 90	CES97 = 83
CES23 = 92	CES48 = 74	CES73 = 67	CES98 = 78
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 68
CES25 = 73	CES50 = 89	CES75 = 78	

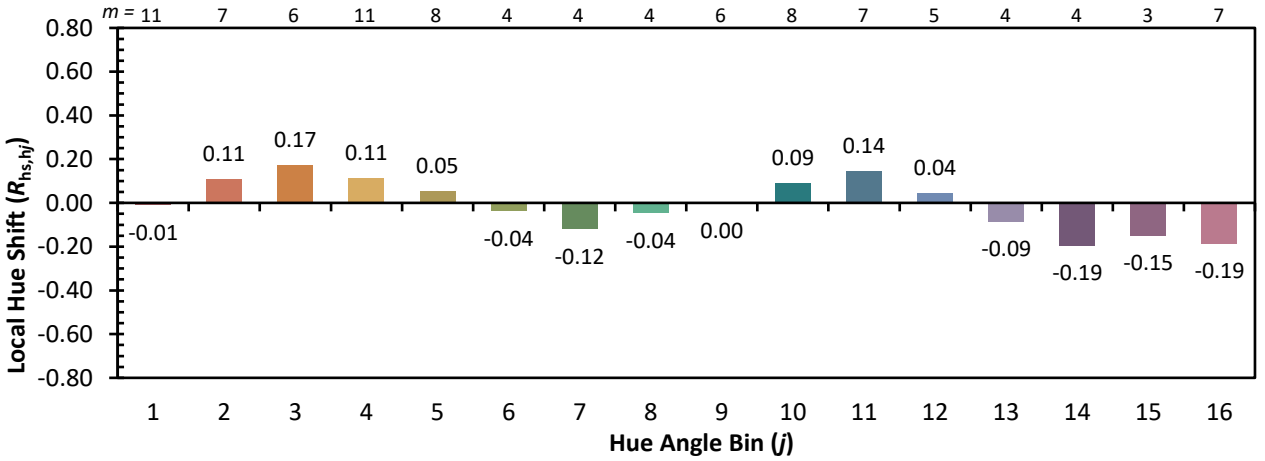


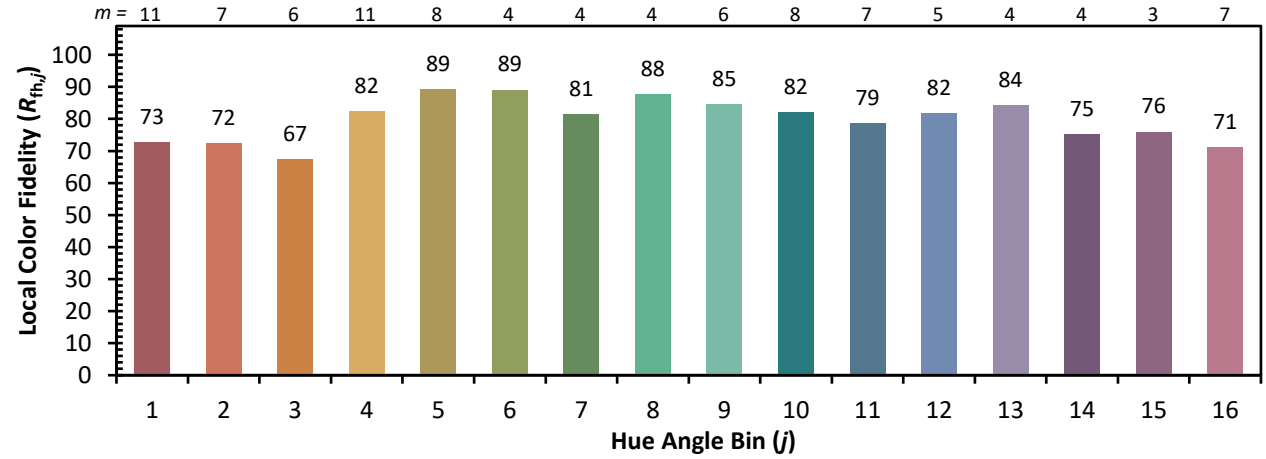
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Color Rendition by Hue-Angle Bin



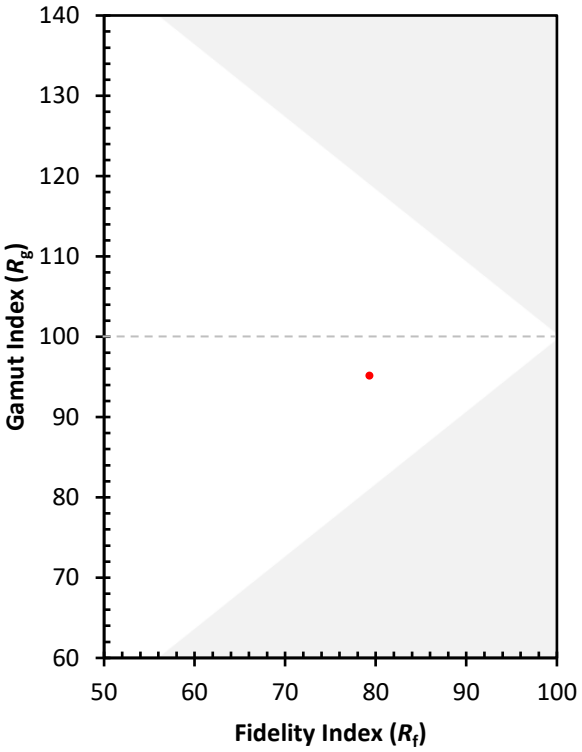


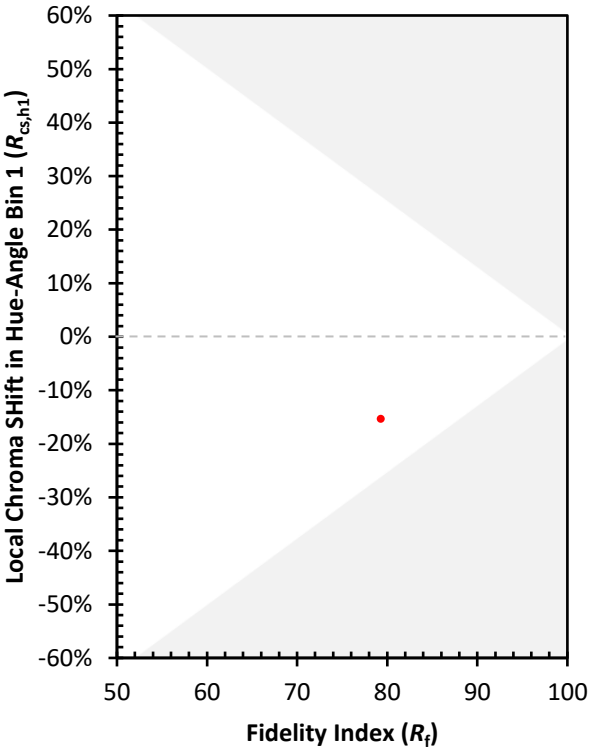


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Measure Comparisons





(END OF REPORT)