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: P1046369

Luminaire Tested: **FFX-CLB-30-722-U-FR-T4**

Issue Date: 07/01/2025

Report Generated By 670347003

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046369
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-722-U-FR-T4
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4090.1 lumens
Efficiency:	N/A
Efficacy:	133.7 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U4 - 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

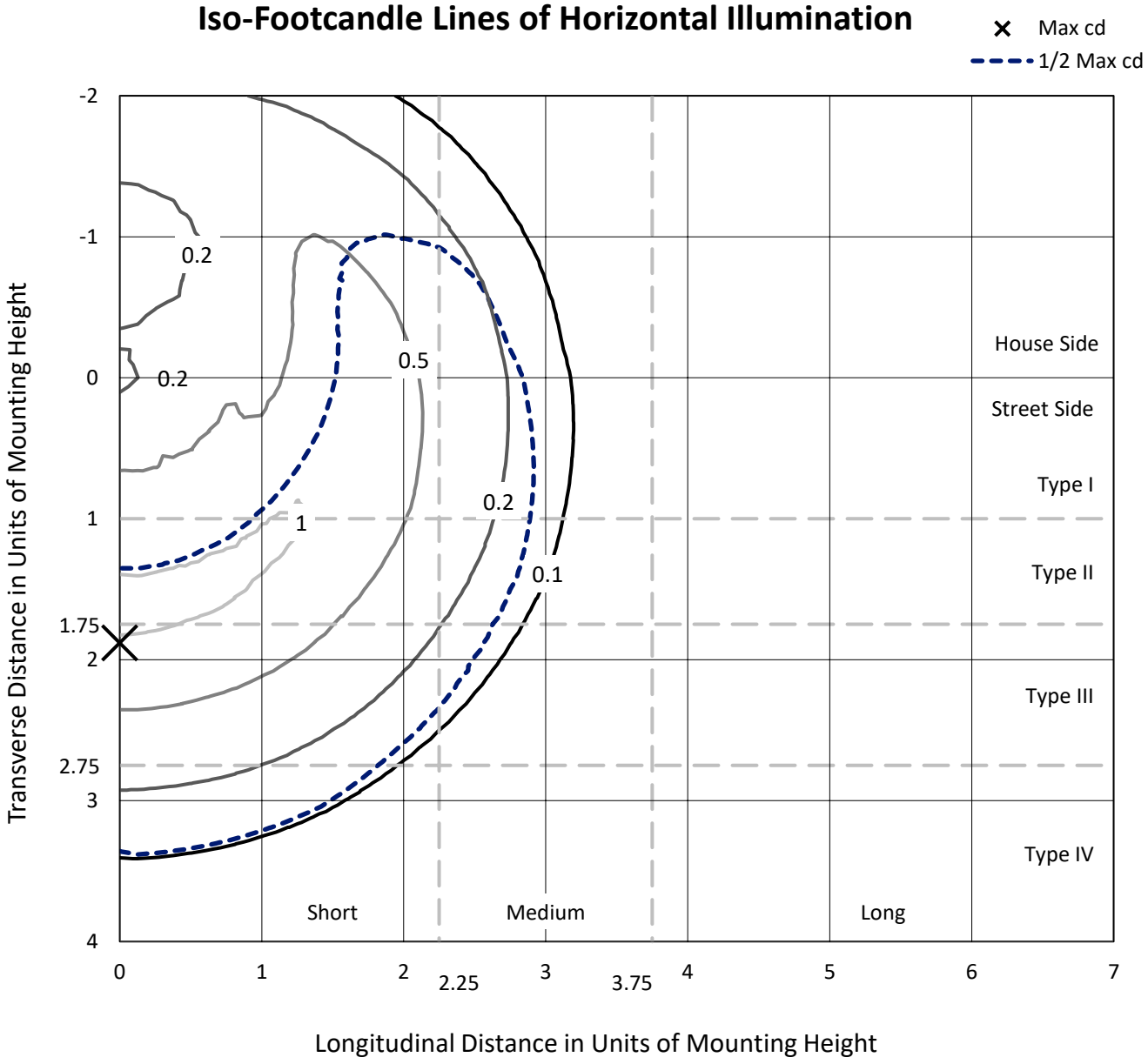


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Iso-Footcandle Lines of Horizontal Illumination



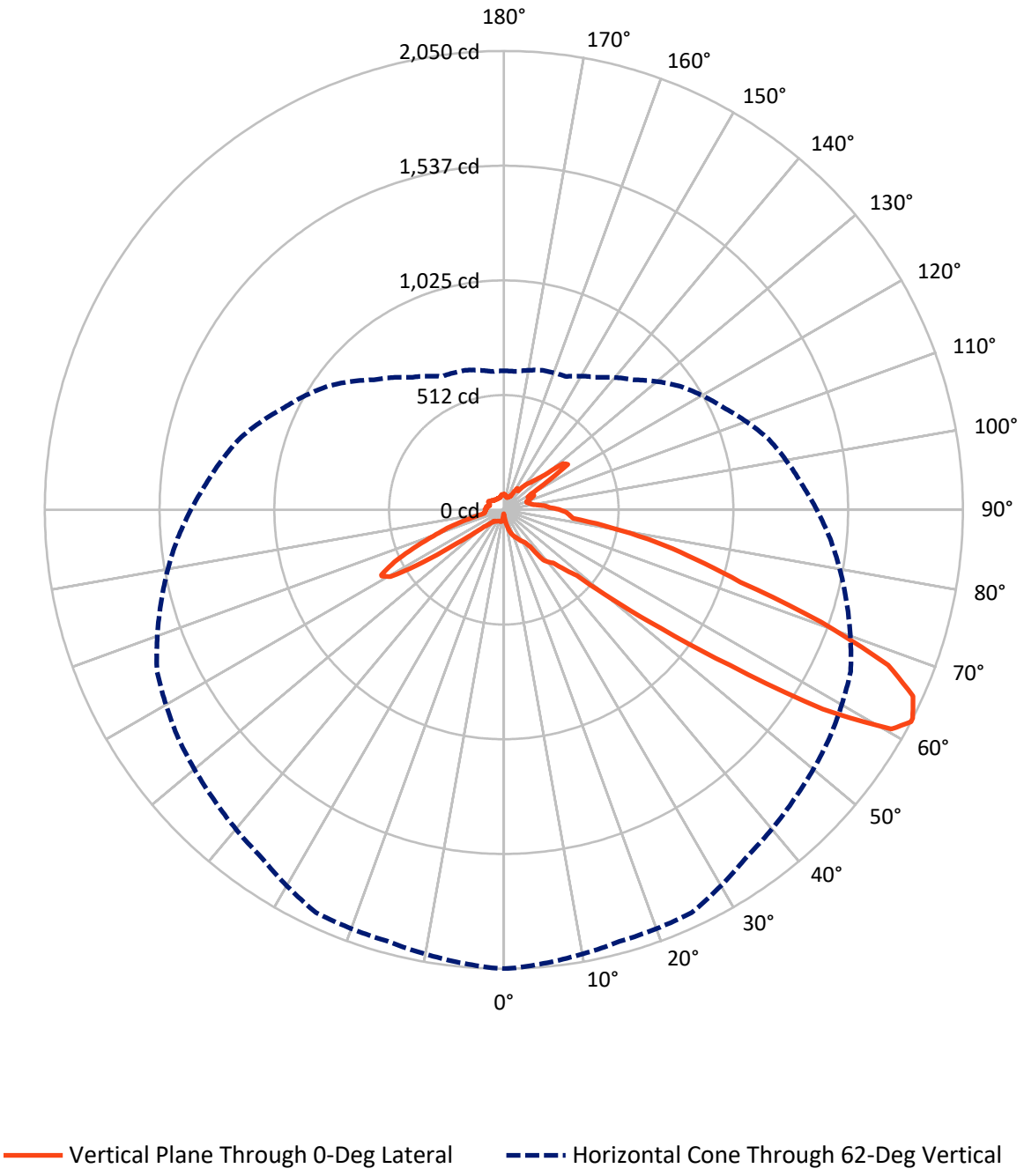
Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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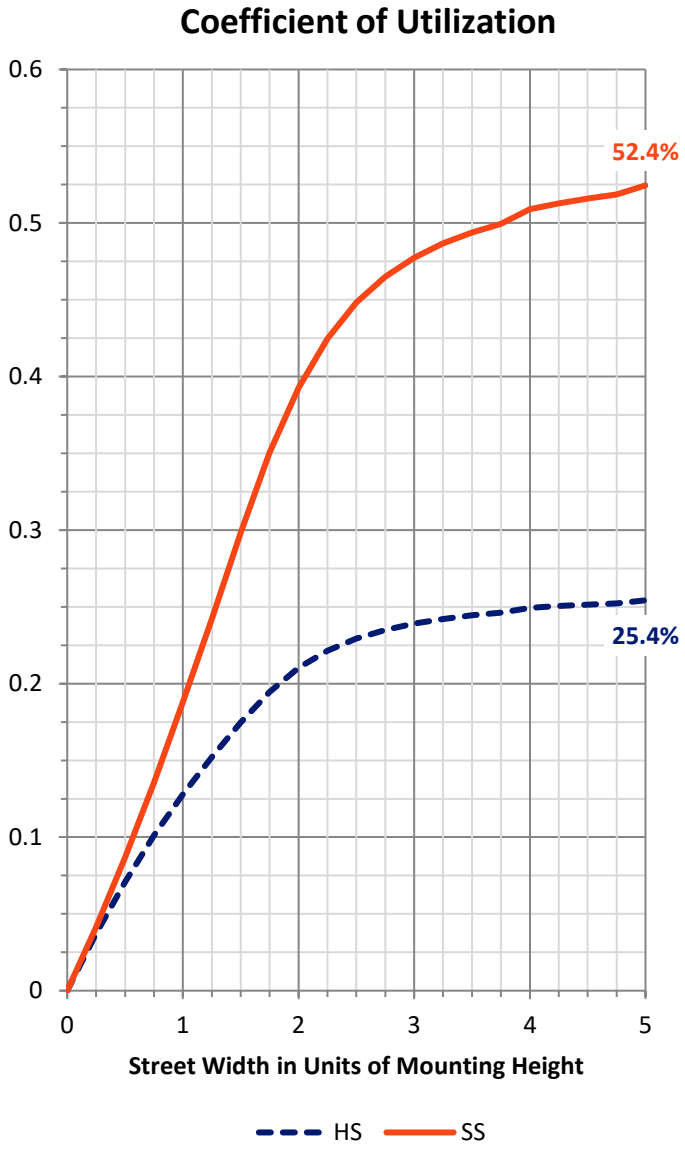
REPORT NUMBER: P1046369
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1076.2	307.5	1383.6
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	2234.2	472.3	2706.4
	% Fixture	54.6	11.5	66.2
Total	Lumens	3310.3	779.8	4090.1
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	22.7	0.6
20°-30°	49.1	1.2
30°-40°	98.4	2.4
40°-50°	215.4	5.3
50°-60°	754.3	18.4
60°-70°	1262.3	30.9
70°-80°	655.2	16.0
80°-90°	248.8	6.1
90°-100°	158.7	3.9
100°-110°	105.2	2.6
110°-120°	109.8	2.7
120°-130°	183.6	4.5
130°-140°	110.5	2.7
140°-150°	58.4	1.4
150°-160°	30.7	0.8
160°-170°	16.7	0.4
170°-180°	6.2	0.2
0°-90°	3310.3	80.9
0°-180°	4090.1	100.0



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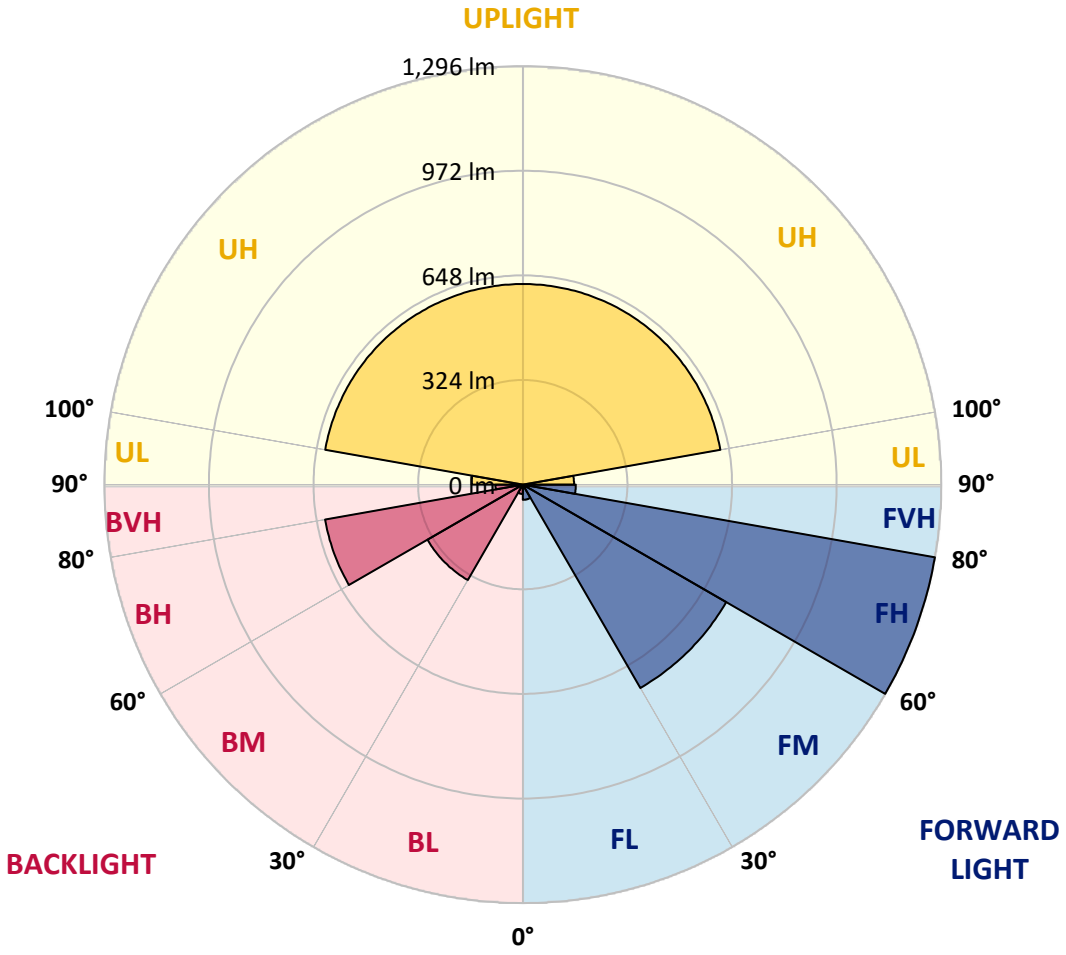
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	47.1	1.2			
FM	(30°-60°)	727.2	17.8			
FH	(60°-80°)	1295.7	31.7			G1/1800
FVH	(80°-90°)	164.1	4.0			G2/225
BL	(0°-30°)	28.8	0.7	B0/110		
BM	(30°-60°)	340.9	8.3	B1/1000		
BH	(60°-80°)	621.7	15.2	B2/1000		G2/1000
BVH	(80°-90°)	84.7	2.1			G1/100
UL	(90°-100°)	158.7	3.9		U3/500	
UH	(100°-180°)	621.1	15.2		U4/1000	

BUG Rating: B2-U4-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*25.5*	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
2.5°	*25.8*	25.2	25.2	26.3	27.6	27.6	27.8	27.1	27.1	26.8	27.1
5°	*37.5*	36.4	36.9	37.2	37.7	38.2	38.8	38.8	37.7	36.9	34.9
7.5°	*52.3*	52.0	52.6	52.3	51.8	53.1	53.9	55.7	56.2	52.8	48.7
10°	*67.4*	66.6	66.3	66.6	66.9	66.1	67.6	68.9	67.1	63.2	59.6
12.5°	*83.8*	83.8	83.8	83.5	83.5	83.3	82.7	82.5	80.7	76.2	70.5
15°	*102.0*	102.3	102.8	102.5	101.2	99.1	97.6	96.3	95.2	92.1	84.8
17.5°	*113.2*	112.7	113.2	112.9	112.4	111.1	108.2	105.6	102.3	97.8	92.4
20°	*123.6*	123.3	123.1	123.1	122.5	121.0	119.2	115.0	110.6	105.9	99.7
22.5°	*131.7*	131.1	131.7	131.4	131.1	130.6	127.5	123.8	118.9	113.7	107.2
25°	*142.1*	141.8	142.1	141.3	141.3	140.5	138.7	134.0	128.5	122.8	114.7
27.5°	*153.5*	152.7	153.5	153.2	152.2	150.1	148.6	143.4	136.6	131.1	123.8
30°	*163.1*	163.1	163.7	162.1	163.1	161.3	157.7	151.9	146.2	139.2	131.7
32.5°	*173.3*	173.3	172.8	172.5	173.8	171.5	167.3	160.5	155.9	148.6	142.1
35°	*201.6*	199.6	202.9	202.7	209.2	204.5	196.7	187.6	180.3	170.9	162.4
37.5°	*283.1*	282.0	280.5	270.6	259.1	261.0	262.3	252.1	243.0	226.1	206.1
40°	*306.2*	306.0	305.7	300.0	303.1	294.8	290.6	285.4	283.9	261.7	234.9
42.5°	*325.2*	322.1	325.2	335.6	352.0	346.3	325.2	298.2	293.2	272.2	261.2
45°	*376.7*	374.7	379.9	383.0	377.8	368.4	374.4	354.6	341.1	311.2	291.1
47.5°	*438.4*	436.3	441.3	443.9	454.5	444.7	440.0	423.1	400.4	372.1	346.0
50°	*622.4*	598.9	617.9	611.4	614.0	591.9	600.8	576.6	556.3	509.7	462.6
52.5°	*878.6*	870.8	857.8	843.3	854.4	830.8	838.1	811.8	775.1	721.0	651.5
55°	*1225.5*	1199.2	1207.5	1237.4	1231.2	1188.8	1181.5	1117.5	1051.7	970.7	897.6
57.5°	*1679.2*	1666.2	1651.1	1631.1	1611.6	1567.6	1546.0	1474.5	1372.2	1259.3	1157.6
60°	*1988.1*	1977.7	1970.9	1909.8	1873.8	1785.4	1765.4	1715.7	1624.6	1501.8	1361.5
62°	*2049.5*	*2047.9*	*2034.1*	*1996.1*	*1985.5*	*1891.8*	*1830.9*	*1775.5*	*1708.6*	*1584.0*	*1462.0*
62.5°	*2049.0*	2045.8	2037.8	2006.0	1995.1	1907.4	1841.3	1782.5	1715.9	1593.6	1473.7
65°	*2007.3*	2000.3	1996.7	1977.7	1972.7	1921.2	1833.5	1772.9	1717.0	1582.2	1482.3
67.5°	*1850.7*	1859.0	1859.5	1840.5	1824.2	1793.5	1709.7	1657.1	1618.6	1478.1	1383.9
70°	*1502.3*	1491.1	1479.7	1488.5	1481.2	1464.6	1398.0	1331.9	1283.7	1210.1	1120.9
72.5°	*1104.2*	1121.9	1121.7	1124.3	1125.6	1083.7	1054.0	1016.0	990.0	926.3	862.5
75°	*885.1*	886.7	881.8	863.6	844.0	819.8	825.0	821.7	809.2	741.8	678.6
77.5°	*698.9*	681.7	688.7	660.1	634.9	634.6	644.7	654.6	660.1	606.0	557.1
80°	*492.0*	488.1	481.9	484.5	463.6	469.1	474.1	480.8	470.2	438.2	415.5
82.5°	*310.7*	307.3	302.3	326.3	346.3	341.9	326.0	300.5	294.5	296.9	291.7
85°	*293.7*	293.5	289.1	286.7	283.6	276.6	280.5	285.9	282.8	265.1	242.2
87.5°	*277.4*	276.6	273.2	271.9	265.9	265.1	268.8	270.9	272.2	256.3	237.0
90°	*243.0*	239.9	236.8	239.4	238.6	239.1	240.2	239.6	240.2	221.4	213.4
92.5°	*202.7*	201.9	199.6	200.9	202.7	210.0	206.8	201.9	201.1	193.6	185.8
95°	*185.0*	185.5	182.6	184.5	185.0	185.0	182.9	180.6	178.7	172.8	165.7
97.5°	*153.2*	150.9	149.9	151.2	151.7	149.9	148.6	144.7	144.4	138.4	135.0
100°	*130.4*	129.8	129.3	130.9	131.4	130.6	130.9	128.5	128.3	124.9	121.2
102.5°	*121.8*	121.5	121.2	122.5	123.1	122.5	121.8	119.4	119.9	116.3	113.7
105°	*115.0*	115.0	114.7	115.5	114.0	113.2	112.1	112.1	112.7	109.8	105.9
107.5°	*107.5*	107.2	107.5	107.2	105.4	104.6	104.3	103.6	105.4	103.8	99.7

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*108.8*	108.8	108.5	105.6	104.6	103.3	102.8	104.1	103.6	101.0	98.3
112.5°	*133.2*	131.7	132.7	128.8	127.0	128.0	128.5	129.6	131.7	127.5	123.6
115°	*148.8*	149.1	151.7	151.7	147.8	149.6	149.6	149.3	151.4	148.3	144.4
117.5°	*121.5*	123.1	131.4	126.2	127.5	128.5	122.0	119.7	119.2	119.9	128.3
120°	*140.0*	137.9	145.7	129.3	124.4	124.4	129.1	135.0	128.5	118.6	121.2
122.5°	*229.0*	229.2	229.5	236.5	235.7	237.8	234.2	229.5	216.0	216.2	204.0
125°	*350.5*	347.1	347.1	344.0	343.4	338.5	344.7	348.6	338.2	320.5	301.3
127.5°	*335.4*	342.7	340.1	332.3	324.7	322.1	329.4	341.6	335.6	320.0	302.3
130°	*238.1*	239.9	239.4	247.7	249.8	247.2	249.8	240.9	242.2	245.9	236.5
132.5°	*199.6*	198.5	202.2	213.6	218.0	212.8	205.5	199.0	199.3	207.1	206.6
135°	*172.0*	171.2	173.8	174.3	179.3	175.1	168.6	168.6	170.2	172.0	171.2
137.5°	*155.3*	154.3	155.1	149.1	143.1	142.8	148.0	150.9	149.3	147.5	145.4
140°	*133.7*	134.3	133.0	128.0	125.4	125.9	129.3	133.7	132.4	128.5	125.4
142.5°	*106.4*	105.4	106.9	110.6	115.8	115.8	110.6	105.1	104.9	106.7	109.3
145°	*104.9*	104.3	104.6	103.8	104.9	103.8	102.3	100.7	98.9	97.6	96.5
147.5°	*113.7*	113.7	113.4	112.1	111.1	109.3	109.8	111.6	112.7	111.6	110.1
150°	*92.4*	93.1	93.1	92.9	91.8	92.6	93.7	94.2	95.2	95.2	93.7
152.5°	*71.0*	70.8	71.6	70.5	70.2	70.8	72.1	73.1	73.4	73.4	71.3
155°	*67.6*	67.1	67.6	67.1	66.6	67.1	68.2	68.7	69.2	68.4	66.3
157.5°	*63.2*	63.2	63.2	62.7	63.0	63.0	63.5	63.7	64.0	63.7	63.2
160°	*59.8*	59.8	60.1	59.8	59.8	60.4	60.1	59.8	59.8	59.6	59.3
162.5°	*57.8*	57.8	57.8	57.8	57.5	57.5	57.8	57.5	57.2	57.0	57.5
165°	*56.7*	56.5	56.5	56.5	56.7	56.5	56.5	56.5	56.2	57.0	58.0
167.5°	*58.8*	58.3	58.5	58.8	58.8	58.5	58.5	58.5	59.1	59.8	60.6
170°	*61.7*	61.4	61.4	61.7	61.7	61.4	61.4	61.4	61.7	61.9	62.2
172.5°	*64.0*	63.7	63.7	63.7	63.5	63.2	63.2	63.2	63.2	63.2	63.5
175°	*66.3*	66.3	66.3	66.3	66.1	65.8	65.8	65.8	65.8	65.8	65.8
177.5°	*68.9*	68.7	68.9	68.7	68.7	68.7	68.4	68.2	67.9	67.9	67.9
180°	*68.4*	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
2.5°	26.5	26.3	24.7	23.4	22.4	21.3	19.8	18.5	17.4	17.2	17.2
5°	34.3	33.8	32.3	30.2	29.1	27.6	26.0	25.0	23.7	23.2	23.4
7.5°	47.4	47.6	48.1	49.2	48.7	44.2	39.3	38.2	39.3	40.8	41.6
10°	58.8	58.0	57.8	61.1	60.4	53.9	47.4	45.3	47.1	50.5	52.0
12.5°	68.2	66.6	66.3	66.9	63.7	56.7	51.3	48.9	50.0	52.6	52.3
15°	82.0	79.6	76.2	74.2	70.2	65.3	58.5	54.6	54.6	54.6	54.4
17.5°	90.0	87.4	80.9	74.9	70.0	66.3	61.9	58.3	54.4	53.9	53.6
20°	97.0	93.1	86.1	79.6	73.4	68.2	61.9	57.5	54.1	53.6	53.3
22.5°	103.0	99.4	91.8	84.0	76.2	70.2	63.5	58.8	55.4	54.4	54.1
25°	111.1	107.2	98.6	89.5	80.4	72.9	66.6	61.1	57.0	54.9	54.9
27.5°	119.2	114.7	105.1	95.7	85.9	76.5	69.5	64.0	58.8	55.9	55.7
30°	127.0	122.0	111.6	101.0	91.1	81.2	73.1	66.9	61.1	58.0	57.8
32.5°	137.9	132.2	119.9	106.7	96.8	86.1	77.0	69.7	63.7	60.6	60.1
35°	159.2	152.7	138.9	121.8	106.2	91.8	80.9	71.3	65.6	62.2	61.9
37.5°	198.8	191.2	172.0	150.9	129.6	108.0	87.9	73.4	66.9	63.7	63.2
40°	222.5	207.6	187.3	170.7	154.5	133.7	108.0	85.1	69.5	65.8	65.3
42.5°	253.2	237.8	208.4	176.7	156.1	139.7	121.5	106.7	84.3	71.3	68.9
45°	282.3	270.6	245.4	211.5	180.3	151.9	129.3	115.0	100.7	85.9	83.5
47.5°	331.2	314.0	280.7	246.1	214.4	182.6	155.9	128.0	109.5	100.7	100.2
50°	456.6	425.4	377.3	335.9	276.1	227.4	195.7	158.5	134.8	121.0	116.6
52.5°	618.7	586.2	531.3	471.5	405.1	342.4	280.2	226.9	188.4	164.2	165.0
55°	860.2	827.6	747.0	644.5	553.4	488.1	421.5	356.7	294.8	259.1	254.7
57.5°	1114.9	1085.7	1016.8	891.7	746.7	626.0	546.9	501.1	469.4	430.6	430.6
60°	1301.7	1253.3	1175.3	1049.1	920.5	761.8	660.3	594.8	589.1	582.3	587.5
62°	*1397.2*	*1334.7*	*1223.4*	*1081.6*	*962.2*	*820.9*	*722.3*	*657.2*	*645.8*	*620.3*	*620.8*
62.5°	1413.3	1344.4	1231.5	1081.6	965.8	826.1	729.0	665.6	649.7	618.5	619.0
65°	1429.5	1346.5	1237.4	1064.2	945.3	808.1	733.5	650.7	609.1	556.8	541.4
67.5°	1336.8	1251.7	1158.3	989.5	865.9	733.5	650.7	567.7	499.8	446.7	438.4
70°	1085.7	1018.9	946.8	817.8	709.8	602.6	532.3	457.4	389.8	331.2	334.9
72.5°	824.0	761.6	695.5	613.5	546.4	474.3	412.1	351.8	295.6	259.1	265.9
75°	638.2	596.6	549.8	490.2	439.2	372.6	301.8	248.2	210.2	188.1	189.4
77.5°	524.8	481.6	443.4	388.7	340.3	272.2	204.0	158.2	136.1	126.2	123.6
80°	403.5	372.1	338.2	289.3	236.0	183.4	137.1	115.8	101.2	93.9	91.1
82.5°	281.8	262.3	233.9	198.5	167.8	148.6	128.5	110.6	95.5	88.7	85.6
85°	232.1	221.7	206.1	186.0	167.8	146.5	124.1	105.9	92.9	87.7	84.8
87.5°	226.1	219.1	201.4	180.0	158.2	136.3	113.7	96.8	88.5	85.1	82.5
90°	207.4	199.3	186.8	165.7	146.2	122.8	104.3	94.2	87.9	84.0	81.2
92.5°	180.8	176.4	165.0	149.9	136.3	121.2	108.0	98.9	92.4	87.7	84.8
95°	160.8	155.6	149.1	136.9	125.7	113.4	101.2	92.6	85.9	80.9	78.6
97.5°	132.2	128.5	122.3	114.2	105.9	96.0	87.4	81.7	77.3	74.9	73.4
100°	119.9	117.6	114.0	108.2	101.5	94.4	88.2	85.1	83.3	81.7	80.9
102.5°	111.1	108.5	105.6	99.7	94.4	88.2	84.0	81.4	79.1	76.5	76.0
105°	103.3	101.2	97.3	92.4	87.2	81.2	76.2	74.7	72.6	70.2	70.0
107.5°	97.3	95.2	91.8	86.6	82.0	76.8	72.3	70.0	67.6	66.3	66.1

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

Scaled Data Report

REPORT NUMBER: P1046369
CATALOG NUMBER: FFX-CLB-30-722-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	96.8	95.2	91.6	87.2	83.5	78.3	73.4	72.6	70.0	66.9	66.6
112.5°	120.7	115.8	108.8	101.5	95.2	90.0	83.8	77.5	72.3	69.2	68.7
115°	140.0	135.0	126.4	115.8	105.9	94.7	84.0	76.2	73.4	72.6	73.6
117.5°	131.7	121.2	106.7	100.2	91.6	85.6	81.4	79.6	74.9	76.2	77.5
120°	126.4	119.4	106.7	105.6	101.7	95.0	85.3	83.3	80.7	78.6	78.3
122.5°	203.2	196.4	181.9	159.8	135.8	119.7	113.7	101.2	86.1	74.7	72.9
125°	288.0	277.1	248.5	224.0	192.3	158.2	127.5	101.2	80.7	69.7	68.4
127.5°	293.7	281.5	256.5	223.5	183.2	141.5	109.8	90.8	77.0	69.7	68.4
130°	229.0	221.2	202.7	171.7	143.9	119.2	101.2	85.9	73.4	67.9	67.1
132.5°	202.4	195.4	169.1	143.4	124.9	105.9	90.8	76.2	65.6	61.9	61.4
135°	167.3	159.5	142.1	126.2	112.7	97.3	82.2	69.7	62.2	60.4	60.1
137.5°	142.8	139.2	126.2	115.0	102.8	89.5	77.0	67.4	62.7	61.1	60.9
140°	123.3	122.5	114.5	104.6	92.4	78.3	68.7	63.0	61.1	60.4	60.1
142.5°	109.0	108.0	99.1	87.7	76.8	69.5	65.8	64.0	62.4	60.4	59.8
145°	94.4	92.6	87.2	82.2	78.8	76.5	73.1	67.4	61.4	58.3	58.0
147.5°	107.5	104.3	98.3	91.3	84.0	76.5	69.5	63.5	58.5	56.7	56.5
150°	90.3	90.0	86.1	80.7	75.2	68.4	63.2	59.3	57.2	57.0	57.0
152.5°	70.0	70.0	70.0	68.7	66.1	62.4	58.5	56.2	56.2	57.2	57.5
155°	65.8	66.1	66.3	65.8	63.7	60.4	57.0	55.9	56.2	57.2	57.5
157.5°	62.7	62.7	63.0	62.4	61.4	59.1	56.7	55.7	55.9	56.5	56.7
160°	59.1	59.1	59.3	59.3	58.3	57.5	56.5	55.7	55.7	55.9	56.2
162.5°	57.8	57.8	57.8	57.8	57.5	57.5	57.5	57.5	57.2	57.2	57.2
165°	58.3	58.3	57.5	57.2	57.8	58.5	59.8	60.1	58.8	58.5	58.5
167.5°	60.9	60.9	60.1	59.6	60.4	61.1	63.0	63.5	62.4	61.4	61.4
170°	62.4	62.4	62.4	62.7	63.0	63.7	64.8	65.3	65.0	64.8	64.8
172.5°	63.5	63.5	64.0	64.5	65.3	65.8	66.3	66.9	67.4	67.4	67.6
175°	65.6	65.8	66.3	66.6	67.1	67.6	68.2	68.7	68.9	68.9	68.9
177.5°	67.6	67.6	67.6	67.9	68.2	68.4	68.7	68.9	68.9	69.2	69.5
180°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4

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

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-7

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

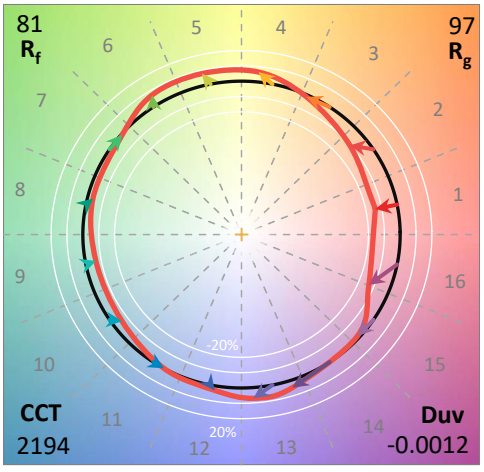
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-7
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2194	CRI (Ra):	76.9		
CIE u':	0.2907	R1:	75.7	R9:	-13.4
CIE v':	0.5343	R2:	91.6	R10:	84.3
Duv:	-0.0012	R3:	88.2	R11:	74.6
CIE x:	0.5035	R4:	73.5	R12:	85.6
CIE y:	0.4113	R5:	77.0	R13:	79.4
CIE z:	0.0852	R6:	93.6	R14:	93.9
Peak Wavelength (nm):	608	R7:	73.2	R15:	65.4
Dominant Wavelength (nm):	587	R8:	42.7		
Purity:	74.59755				

Rf:	81
Rg:	96.6



Test Conditions

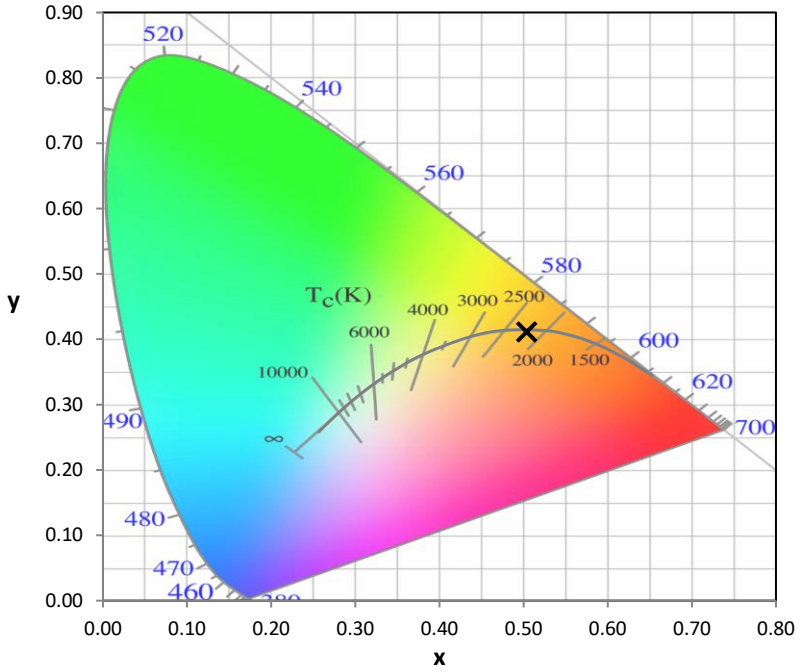
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

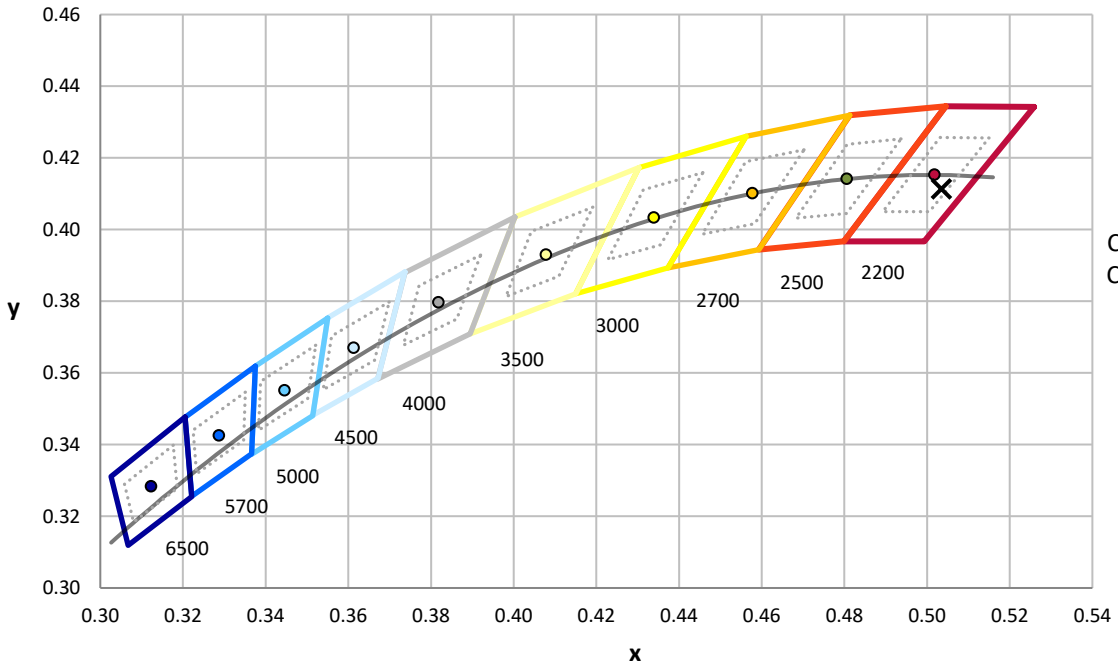
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-7

CIE 1931 Chromaticity Diagram



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

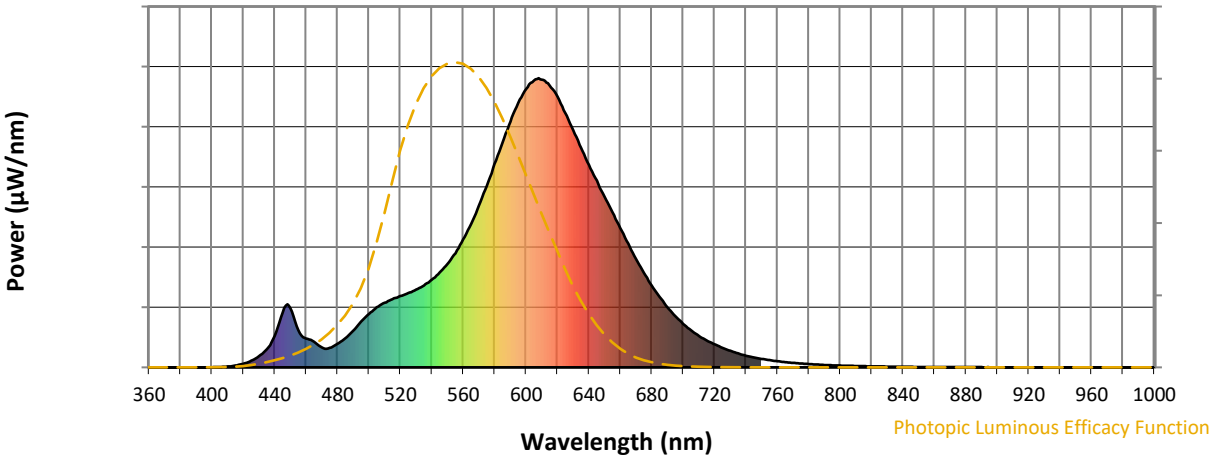


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

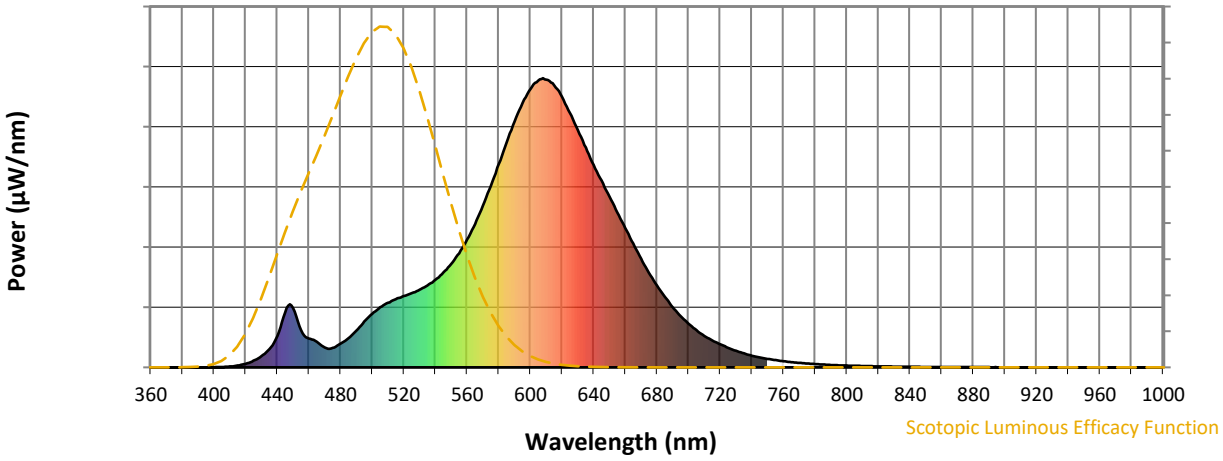


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Scotopic Flux vs. Wavelength

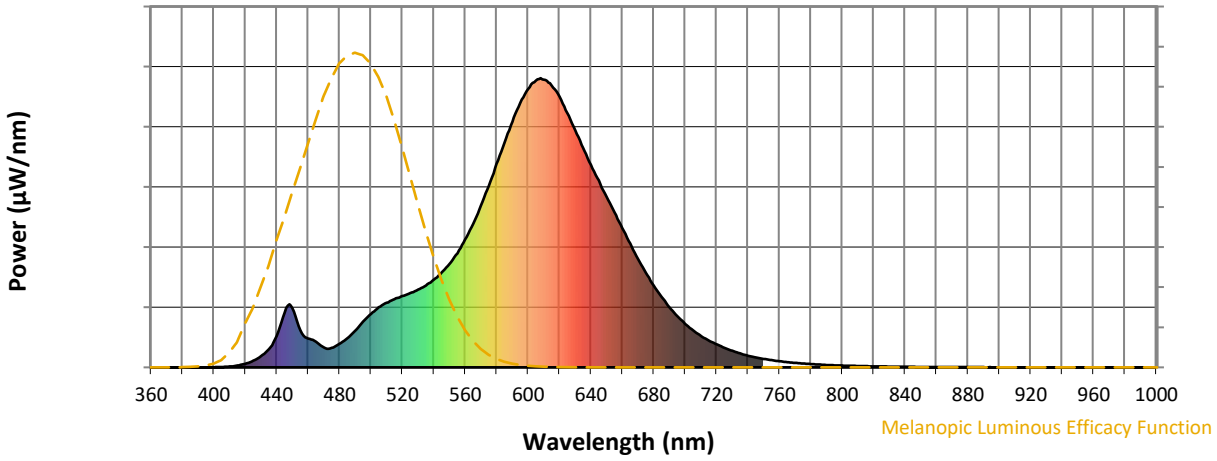


Scotopic Lumens: NR **S/P: 0.96**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.7**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

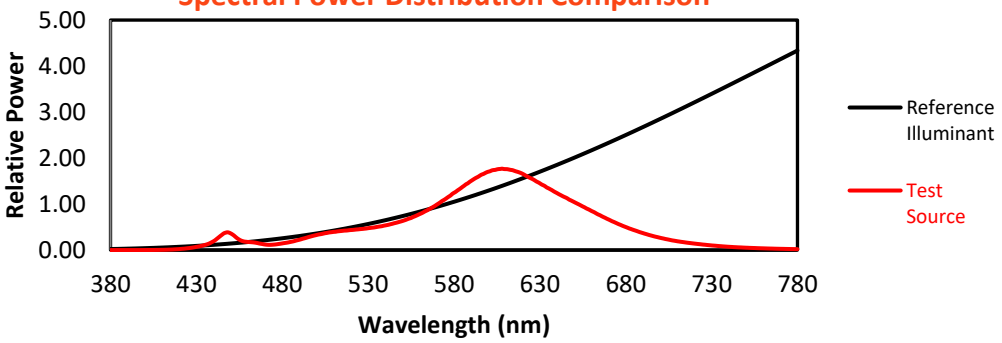
REPORT NUMBER: SP1-2501-332-7

TM-30-18

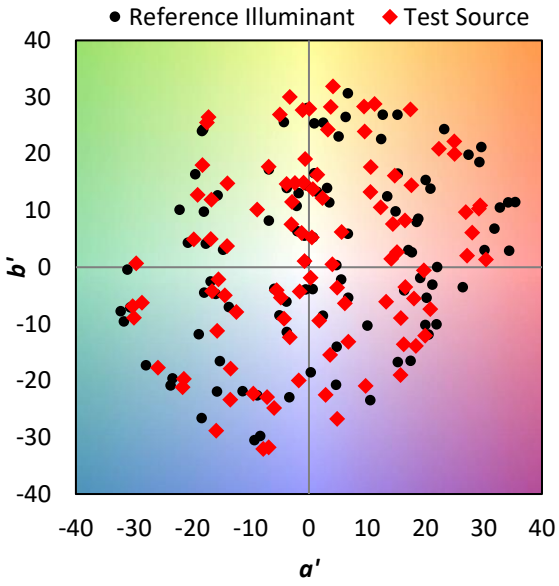
Summary

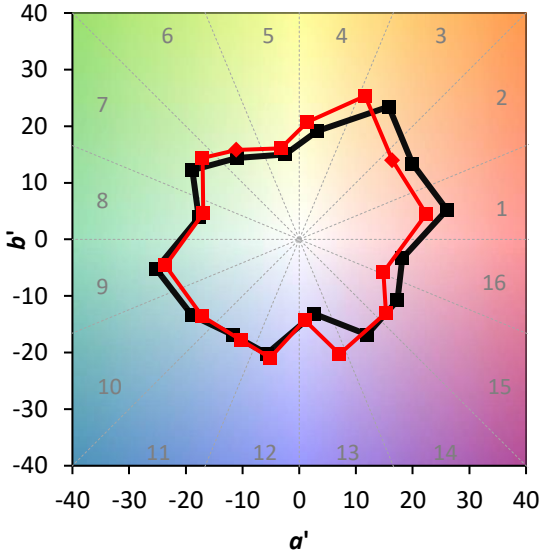
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

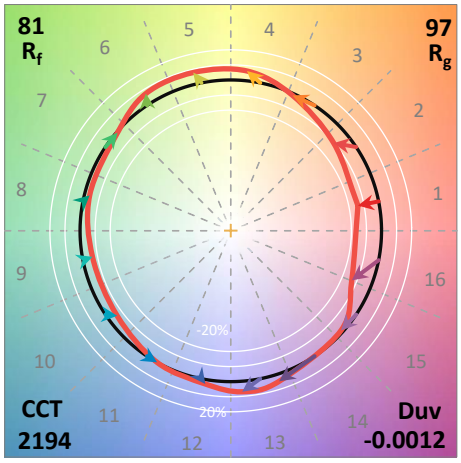
Spectral Power Distribution Comparison

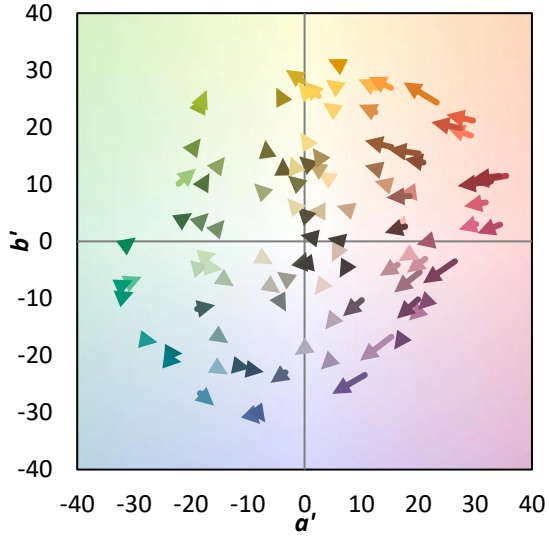


Color Vector Graphics







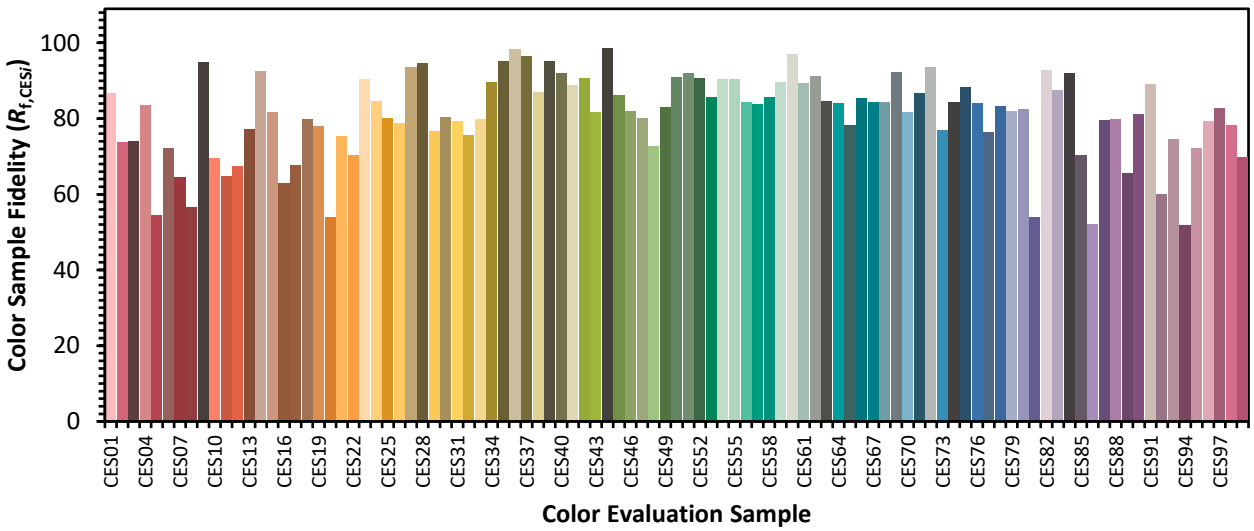


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

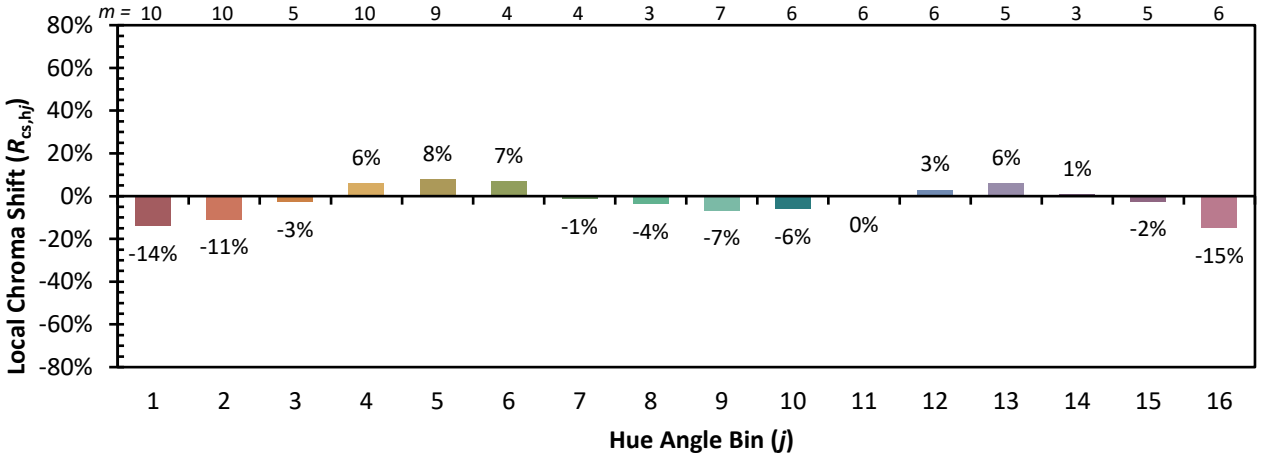
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 84	CES82 = 93
CES08 = 43	CES33 = 80	CES58 = 86	CES83 = 88
CES09 = 29	CES34 = 90	CES59 = 90	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 97	CES85 = 70
CES11 = 62	CES36 = 98	CES61 = 89	CES86 = 52
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 80
CES13 = 45	CES38 = 87	CES63 = 85	CES88 = 80
CES14 = 75	CES39 = 95	CES64 = 84	CES89 = 66
CES15 = 73	CES40 = 92	CES65 = 78	CES90 = 81
CES16 = 49	CES41 = 89	CES66 = 85	CES91 = 89
CES17 = 51	CES42 = 91	CES67 = 84	CES92 = 60
CES18 = 57	CES43 = 82	CES68 = 84	CES93 = 74
CES19 = 74	CES44 = 99	CES69 = 92	CES94 = 52
CES20 = 69	CES45 = 86	CES70 = 82	CES95 = 72
CES21 = 88	CES46 = 82	CES71 = 87	CES96 = 79
CES22 = 81	CES47 = 80	CES72 = 94	CES97 = 83
CES23 = 92	CES48 = 73	CES73 = 77	CES98 = 78
CES24 = 92	CES49 = 83	CES74 = 84	CES99 = 70
CES25 = 73	CES50 = 91	CES75 = 88	

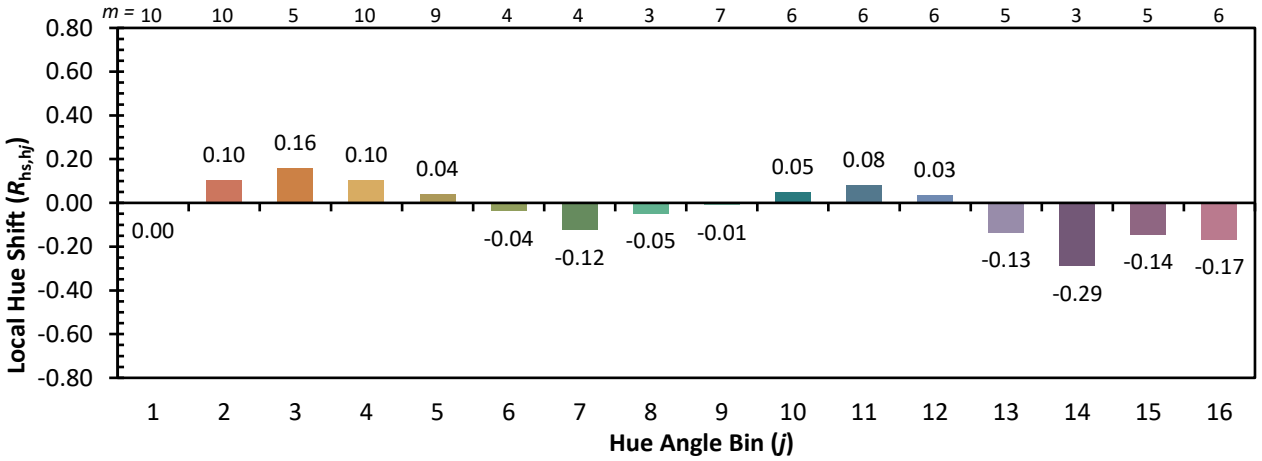


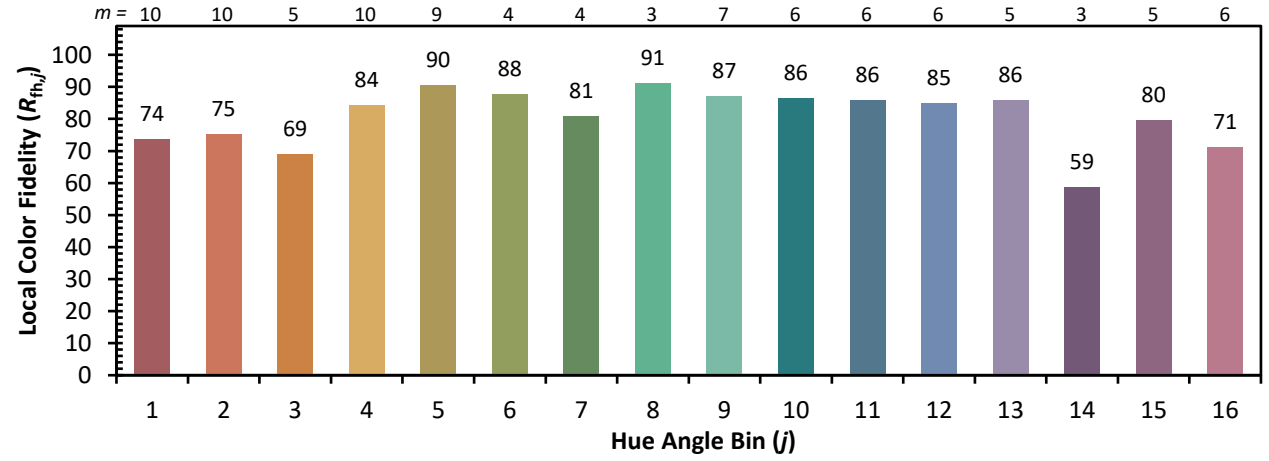
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Color Rendition by Hue-Angle Bin



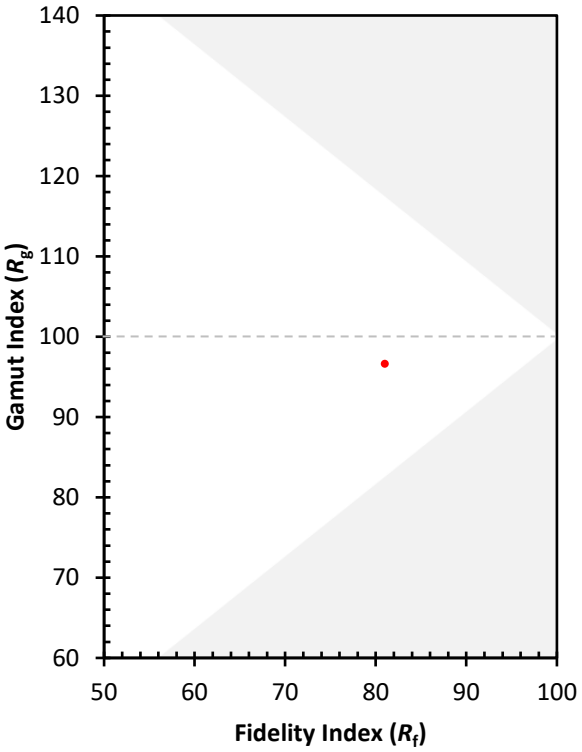


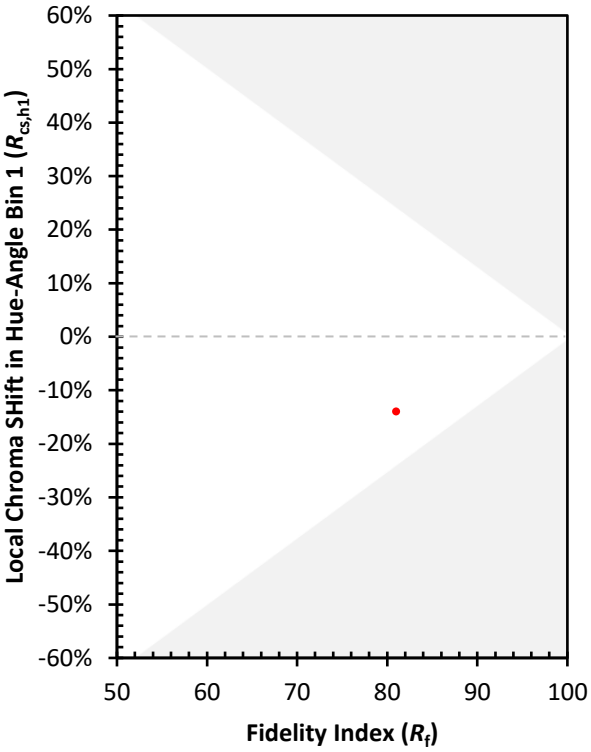


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Measure Comparisons





(END OF REPORT)