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: P1045745

Luminaire Tested: **FFX-CLB-60-727-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:	P1045745
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-727-U-FR-T5-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5828 lumens
Efficiency:	N/A
Efficacy:	96.2 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):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

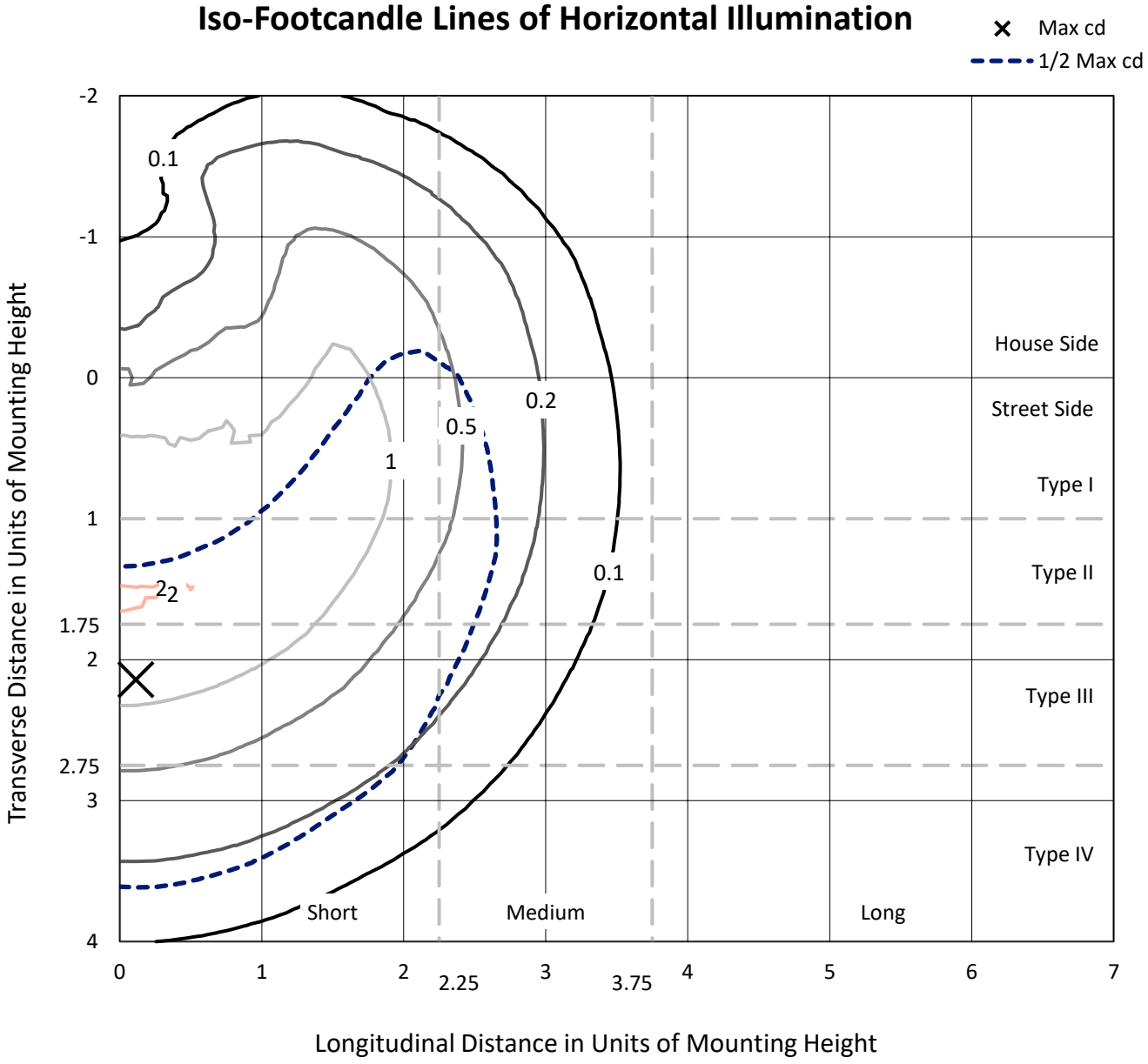


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Iso-Footcandle Lines of Horizontal Illumination



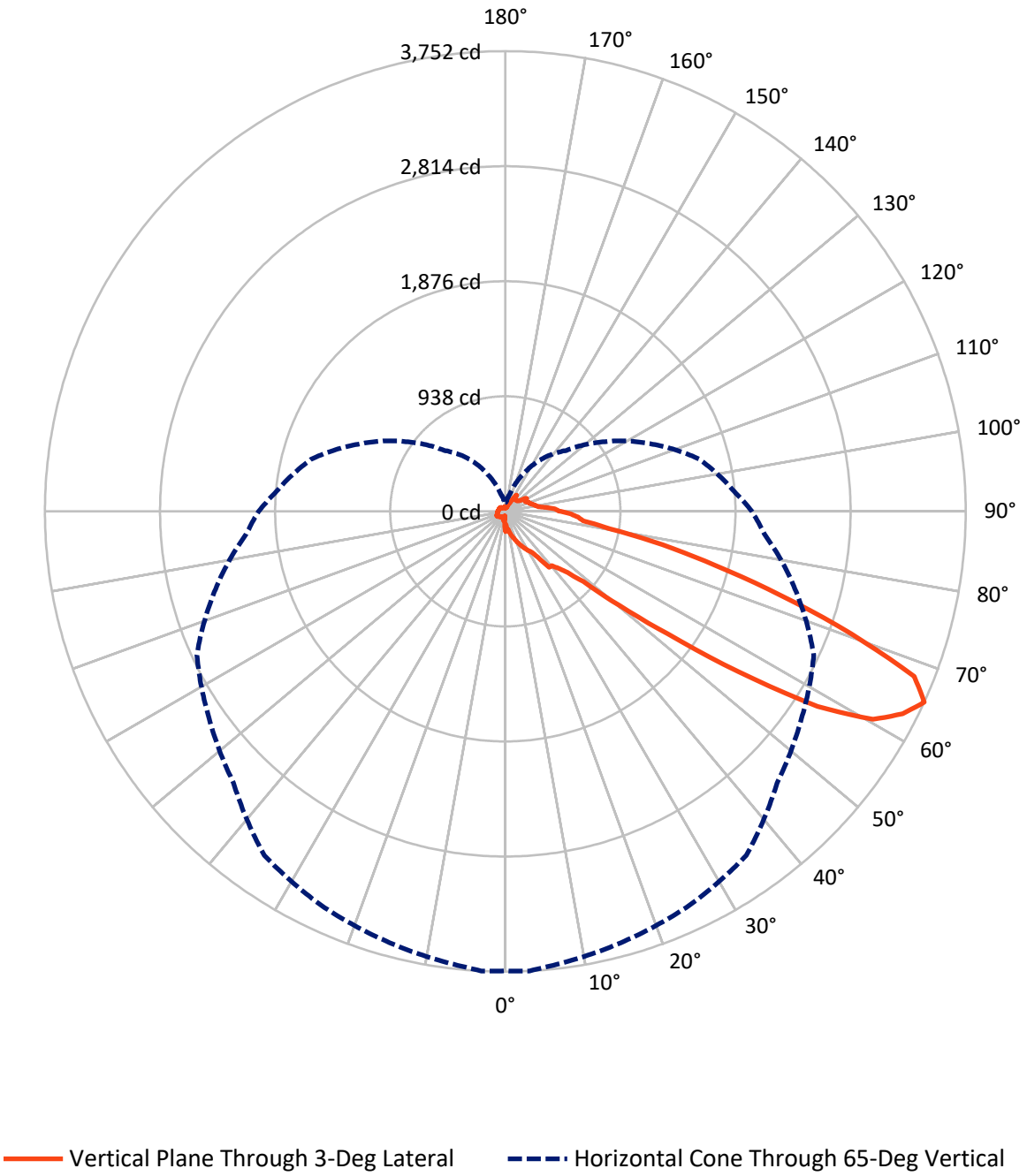
Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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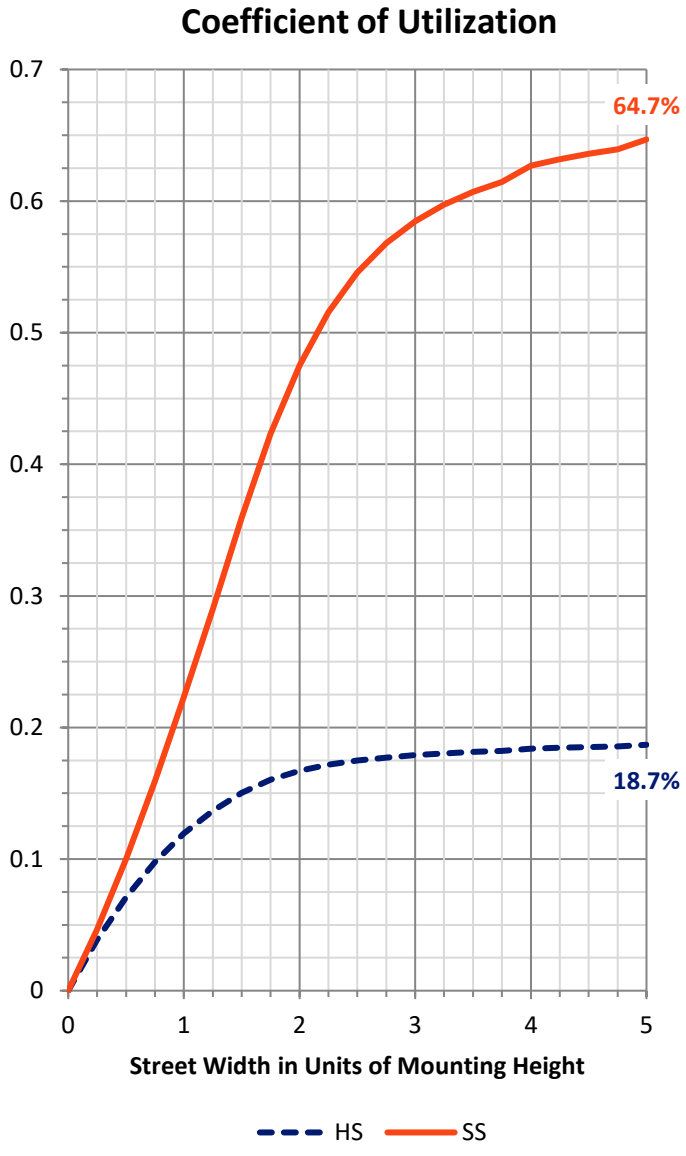
REPORT NUMBER: P1045745
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1127.5	245.2	1372.7
	% Fixture	19.3	4.2	23.6
Street Side	Lumens	3931.8	523.5	4455.3
	% Fixture	67.5	9.0	76.4
Total	Lumens	5059.3	768.7	5828.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.2
10°-20°	39.7	0.7
20°-30°	88.6	1.5
30°-40°	179.1	3.1
40°-50°	359.7	6.2
50°-60°	1154.3	19.8
60°-70°	1841.2	31.6
70°-80°	1001.6	17.2
80°-90°	384.9	6.6
90°-100°	229.4	3.9
100°-110°	152.2	2.6
110°-120°	121.3	2.1
120°-130°	101.1	1.7
130°-140°	69.6	1.2
140°-150°	56.2	1.0
150°-160°	25.1	0.4
160°-170°	10.2	0.2
170°-180°	3.4	0.1
0°-90°	5059.3	86.8
0°-180°	5828.0	100.0



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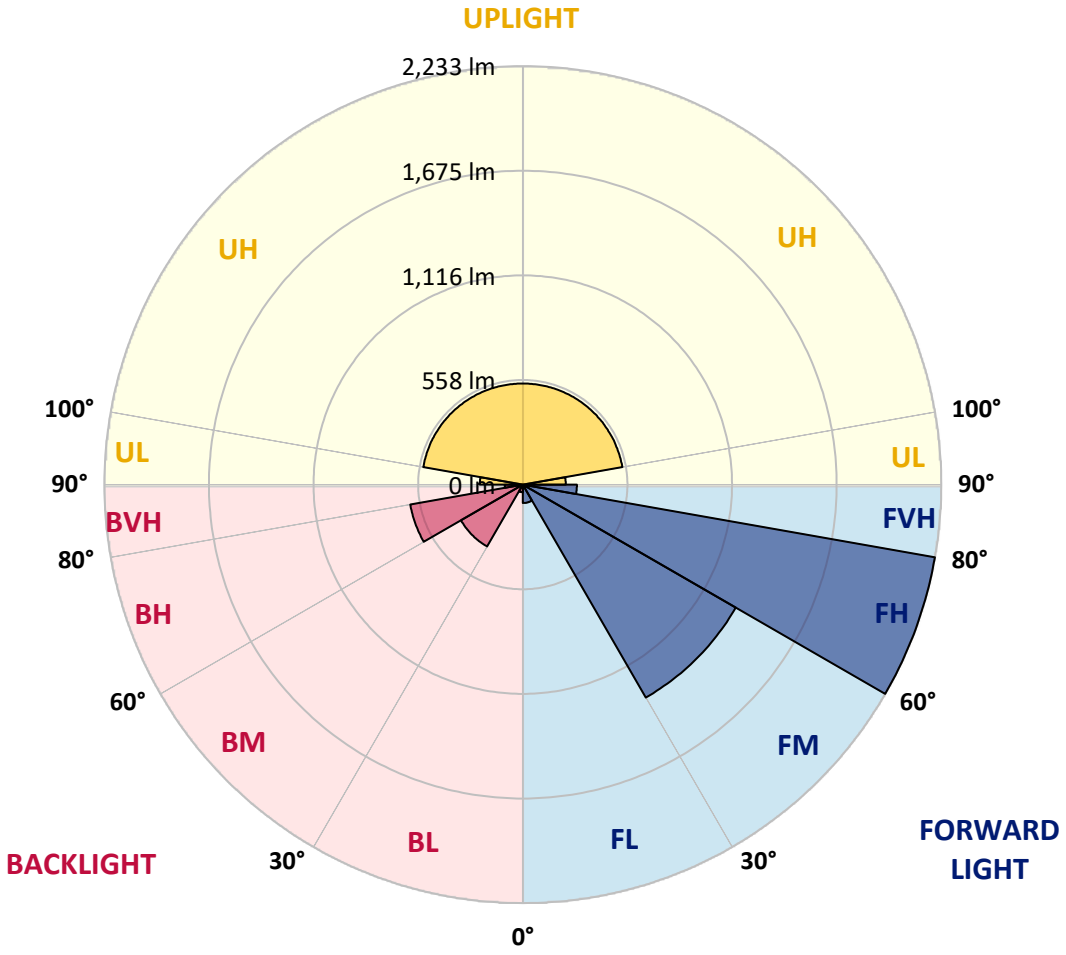
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	98.3	1.7			
FM	(30°-60°)	1312.1	22.5			
FH	(60°-80°)	2232.9	38.3			G2/5000
FVH	(80°-90°)	288.5	5.0			G3/500
BL	(0°-30°)	40.4	0.7	B0/110		
BM	(30°-60°)	381.0	6.5	B1/1000		
BH	(60°-80°)	609.8	10.5	B2/1000		G2/1000
BVH	(80°-90°)	96.3	1.7			G1/100
UL	(90°-100°)	229.4	3.9		U3/500	
UH	(100°-180°)	539.3	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°	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7
2.5°	106.5	105.8	107.8	117.2	141.3	149.3	142.6	131.2	129.2	141.3	150.7
5°	145.3	144.0	142.6	133.3	123.9	128.6	142.0	145.3	131.9	107.1	91.1
7.5°	147.3	146.0	146.6	146.6	144.6	135.9	125.9	130.6	142.0	126.6	99.8
10°	164.1	163.4	163.4	162.7	160.7	158.0	157.4	147.3	129.9	116.5	111.2
12.5°	191.5	191.5	190.8	190.2	188.2	183.5	177.4	169.4	164.1	148.0	131.2
15°	213.6	211.6	212.9	210.9	207.6	204.9	197.5	188.8	172.8	162.0	147.3
17.5°	235.0	235.0	235.7	232.4	228.3	226.3	218.3	206.9	191.5	172.8	158.7
20°	261.8	259.8	259.8	256.5	251.8	245.1	237.7	227.7	214.9	189.5	170.7
22.5°	287.3	287.9	287.9	282.6	275.2	269.2	259.1	247.1	235.0	208.9	184.8
25°	316.1	315.4	314.7	314.0	306.7	296.0	283.2	270.5	261.8	236.4	202.9
27.5°	342.8	341.5	340.8	344.2	337.5	326.8	308.0	292.6	283.2	257.1	219.6
30°	372.3	371.6	371.6	373.0	370.3	353.6	333.5	315.4	302.0	275.9	235.7
32.5°	398.4	397.1	397.7	403.1	402.4	381.0	362.9	340.8	324.1	303.3	259.1
35°	462.7	460.0	464.0	472.1	478.1	455.3	430.6	396.4	371.0	349.5	304.0
37.5°	578.5	579.2	580.5	569.8	547.1	530.3	518.3	490.8	459.3	423.2	369.6
40°	583.2	582.6	585.9	602.0	611.3	582.6	554.4	522.3	514.3	483.5	415.2
42.5°	637.5	633.4	636.8	652.2	664.9	647.5	622.7	568.5	539.0	511.6	455.3
45°	715.1	710.5	716.5	719.2	716.5	697.7	701.7	657.6	630.1	574.5	496.2
47.5°	833.7	855.1	858.4	859.1	885.9	860.4	844.4	802.2	739.9	673.6	584.6
50°	1170.5	1205.3	1193.2	1181.9	1183.9	1164.4	1142.3	1084.1	1000.4	888.6	761.3
52.5°	1670.7	1657.3	1659.3	1666.6	1685.4	1599.0	1561.5	1473.8	1338.5	1204.6	1021.1
55°	2282.7	2305.4	2304.1	2328.2	2324.9	2231.8	2113.3	1966.0	1769.1	1572.9	1355.9
57.5°	3039.3	2999.2	2972.4	2928.2	2890.0	2763.5	2685.1	2525.7	2265.3	1970.6	1692.1
60°	3463.9	3441.8	3435.1	3374.1	3321.9	3166.6	3005.2	2832.4	2628.9	2280.7	1964.6
62.5°	3623.2	3633.9	3624.6	3585.1	3550.2	3414.3	3143.1	2955.0	2772.8	2438.0	2105.2
65°	3745.8	3751.8	3730.4	3640.6	3545.6	3423.7	3131.7	2946.3	2773.5	2444.1	2118.6
67.5°	3595.8	3594.4	3577.7	3448.5	3287.8	3167.2	2902.1	2702.5	2555.9	2280.7	1966.6
70°	2985.8	2989.8	2993.1	2898.0	2721.9	2632.2	2363.7	2192.3	2065.7	1828.0	1602.4
72.5°	2337.6	2349.6	2355.0	2280.7	2150.1	2057.7	1878.2	1749.7	1631.8	1443.0	1265.6
75°	1758.4	1770.4	1767.1	1720.9	1629.1	1603.7	1516.7	1406.8	1308.4	1161.8	1011.8
77.5°	1319.1	1309.1	1306.4	1261.5	1171.1	1177.8	1153.1	1090.1	1013.8	927.4	822.9
80°	873.8	865.1	847.7	863.1	855.8	834.3	793.5	761.3	731.2	679.6	622.7
82.5°	642.8	640.1	636.8	626.7	620.1	614.7	596.6	545.1	508.9	479.4	445.3
85°	601.3	593.3	594.6	577.2	556.4	537.7	523.6	501.5	473.4	427.2	377.7
87.5°	525.0	525.0	521.0	508.9	488.1	483.5	473.4	458.0	441.3	405.8	361.6
90°	436.6	433.9	433.9	433.2	428.5	425.2	405.8	391.7	384.4	348.9	318.1
92.5°	403.1	401.8	399.1	395.7	382.3	379.7	360.2	342.2	326.1	304.0	279.9
95°	327.4	330.1	324.1	323.4	316.7	312.7	297.3	288.6	277.9	259.8	237.7
97.5°	276.5	272.5	273.2	267.2	260.5	257.8	248.4	235.7	225.7	211.6	195.5
100°	253.8	253.1	251.8	247.1	237.7	231.7	221.6	209.6	199.5	186.8	173.4
102.5°	239.0	238.4	237.7	233.7	223.0	219.6	210.3	200.9	192.2	180.8	163.4
105°	224.3	223.6	222.3	217.6	210.9	207.6	198.9	193.5	184.8	174.8	158.0
107.5°	210.9	210.9	210.3	204.9	200.9	198.2	189.5	184.8	175.4	166.7	150.7
110°	204.2	204.2	203.6	199.5	191.5	187.5	179.5	173.4	164.7	156.0	143.3

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	196.9	*197.5*	197.5	198.9	179.5	172.1	165.4	160.7	153.3	145.3	134.6
115°	180.1	*180.8*	180.1	186.8	180.1	170.1	166.1	158.0	148.7	135.9	124.5
117.5°	181.5	*181.5*	182.8	186.1	182.8	173.4	164.7	154.7	146.6	133.9	123.9
120°	205.6	*204.2*	204.2	197.5	196.2	187.5	181.5	170.7	157.4	144.6	130.6
122.5°	197.5	*196.9*	197.5	186.8	186.1	184.1	182.1	180.1	162.7	155.3	137.3
125°	158.0	*156.7*	156.0	152.0	158.7	154.0	152.7	157.4	146.0	139.3	129.2
127.5°	141.3	*139.9*	139.3	137.9	142.0	133.9	132.6	133.9	125.2	117.2	111.2
130°	135.3	*133.3*	133.3	137.9	144.0	137.3	129.9	124.5	121.2	115.8	105.8
132.5°	127.9	*127.9*	128.6	134.6	145.3	137.9	124.5	113.8	112.5	113.2	108.5
135°	125.9	*125.2*	125.9	123.9	123.2	119.2	113.2	104.5	102.4	107.8	102.4
137.5°	129.2	*128.6*	127.9	122.5	116.5	113.2	111.8	106.5	101.1	97.8	92.4
140°	127.9	*127.9*	127.2	125.9	121.9	115.2	113.8	108.5	103.1	97.1	90.4
142.5°	129.9	*131.9*	133.3	134.6	133.3	125.9	118.5	109.8	103.8	100.4	93.1
145°	160.0	*160.0*	160.0	157.4	152.7	146.6	141.3	135.3	130.6	119.9	109.8
147.5°	132.6	*132.6*	131.9	132.6	132.6	129.9	129.2	127.2	127.9	122.5	112.5
150°	91.7	*93.7*	93.7	97.1	98.4	97.1	97.1	98.4	96.4	95.8	90.4
152.5°	74.3	*73.7*	72.3	73.7	73.7	74.3	74.3	73.0	72.3	72.3	69.0
155°	65.6	*65.6*	65.6	65.0	63.6	64.3	65.0	65.0	62.9	61.6	58.9
157.5°	52.2	*51.6*	51.6	52.9	52.9	52.9	52.9	52.9	52.9	53.6	54.2
160°	44.2	*42.9*	43.5	43.5	44.2	44.9	44.2	44.9	44.9	45.5	44.9
162.5°	36.2	*35.5*	35.5	36.2	36.8	37.5	38.2	38.2	38.8	40.2	40.8
165°	32.1	*32.1*	32.1	32.8	32.8	33.5	34.1	34.8	36.2	38.2	38.8
167.5°	30.1	*30.1*	30.1	30.1	30.8	31.5	32.8	34.8	36.2	38.2	38.2
170°	29.5	*29.5*	30.1	30.1	30.1	30.8	33.5	35.5	36.2	36.8	36.8
172.5°	30.8	*30.8*	30.8	30.8	30.8	32.1	35.5	36.2	36.2	36.2	36.8
175°	32.1	*32.1*	31.5	31.5	32.1	32.8	33.5	36.8	38.2	38.8	40.2
177.5°	30.1	*30.1*	30.1	30.8	30.8	31.5	32.1	33.5	33.5	34.8	36.8
180°	33.5	*33.5*	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7
2.5°	157.4	168.7	154.7	139.9	129.2	135.3	142.0	136.6	130.6	131.2	119.9
5°	94.4	97.1	98.4	85.7	71.0	79.0	96.4	90.4	69.6	38.8	33.5
7.5°	91.1	87.0	85.7	95.1	86.4	57.6	44.9	40.8	54.2	65.0	68.3
10°	107.8	103.1	93.1	76.3	67.6	63.6	62.3	59.6	51.6	40.2	38.2
12.5°	123.9	118.5	109.1	101.1	89.7	75.0	65.6	62.9	67.6	75.7	75.7
15°	139.9	132.6	120.5	109.8	101.1	85.0	73.0	62.3	60.9	62.9	62.9
17.5°	151.3	143.3	129.2	114.5	99.1	83.7	69.6	58.9	54.2	52.9	52.9
20°	162.7	155.3	138.6	122.5	103.8	85.7	69.6	58.3	52.9	50.9	50.2
22.5°	177.4	168.1	149.3	131.9	109.1	87.0	69.0	58.9	52.9	49.6	48.9
25°	194.2	183.5	162.0	141.3	114.5	88.4	69.6	59.6	53.6	49.6	48.9
27.5°	207.6	196.2	175.4	152.0	121.2	91.7	72.3	60.9	54.2	50.2	49.6
30°	223.0	210.9	187.5	163.4	129.2	97.1	77.7	65.0	56.9	51.6	51.6
32.5°	246.4	230.3	204.2	174.1	137.3	103.1	83.7	69.6	59.6	55.6	55.6
35°	284.6	268.5	233.7	194.9	146.0	109.1	88.4	74.3	62.9	57.6	57.6
37.5°	345.5	321.4	282.6	229.0	160.0	113.8	93.7	77.7	65.0	57.6	56.2
40°	381.0	354.2	305.3	254.4	177.4	119.9	97.8	80.4	66.3	58.3	57.6
42.5°	420.5	389.7	326.8	261.1	188.8	133.9	103.8	83.0	67.6	60.3	58.9
45°	462.0	432.6	375.6	296.6	215.6	153.3	113.8	88.4	71.6	62.9	61.6
47.5°	537.7	501.5	427.9	346.9	255.1	184.1	135.9	97.1	76.3	65.6	64.3
50°	707.8	674.3	571.8	450.6	318.1	228.3	170.1	115.2	83.7	67.6	65.6
52.5°	938.1	878.5	762.7	610.7	443.9	320.1	227.0	155.3	95.1	69.6	66.3
55°	1272.9	1206.6	1035.2	837.0	608.0	464.7	343.5	233.7	135.3	71.6	65.6
57.5°	1605.7	1525.4	1381.4	1110.2	816.9	592.6	459.3	342.2	196.9	80.4	67.6
60°	1844.1	1746.3	1568.2	1319.8	991.0	697.1	518.9	373.0	219.0	82.4	69.6
62.5°	1984.7	1862.2	1638.5	1341.9	1032.5	740.6	543.0	352.2	188.2	80.4	72.3
65°	*2010.2*	*1870.9*	*1638.5*	*1303.7*	*989.7*	*702.4*	*525.0*	*325.4*	*148.7*	*77.0*	*74.3*
67.5°	1864.2	1734.3	1538.1	1197.3	877.9	603.3	452.0	267.8	113.2	74.3	73.7
70°	1530.0	1432.3	1272.2	978.3	712.5	490.8	359.6	206.2	91.7	71.0	69.6
72.5°	1193.9	1103.5	983.6	767.4	551.1	389.0	274.5	161.4	81.7	68.3	67.6
75°	939.5	871.8	772.7	606.0	414.5	294.6	208.2	121.9	73.7	67.0	65.6
77.5°	768.7	724.5	622.1	462.7	309.4	219.0	155.3	97.1	70.3	65.6	65.0
80°	598.0	561.1	496.8	346.2	221.6	164.7	122.5	85.7	68.3	65.0	64.3
82.5°	426.5	413.8	359.6	269.2	184.8	141.3	110.5	82.4	67.6	64.3	63.6
85°	356.2	338.2	298.0	233.7	170.1	134.6	105.8	81.0	67.6	64.3	63.6
87.5°	344.2	328.1	291.3	223.0	160.0	126.6	101.1	78.3	66.3	62.9	62.9
90°	304.0	287.9	259.8	200.9	147.3	117.9	94.4	74.3	63.6	60.3	60.3
92.5°	269.2	259.8	233.0	184.1	141.3	113.2	91.1	72.3	62.3	59.6	58.9
95°	227.7	219.6	198.9	166.1	132.6	107.8	88.4	70.3	60.9	58.3	58.3
97.5°	188.8	182.1	166.1	140.6	114.5	95.8	79.7	66.3	58.9	56.9	56.9
100°	166.7	161.4	147.3	126.6	105.8	89.7	77.0	65.6	58.3	55.6	55.6
102.5°	158.0	152.7	138.6	119.9	100.4	85.7	75.0	64.3	57.6	54.9	54.2
105°	151.3	146.0	133.3	113.8	95.1	81.7	71.0	62.9	56.2	54.2	53.6
107.5°	144.6	138.6	126.6	107.1	90.4	77.7	68.3	60.9	55.6	53.6	53.6
110°	137.3	131.9	120.5	101.8	87.0	75.0	67.0	60.3	55.6	53.6	53.6

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

Scaled Data Report

REPORT NUMBER: P1045745
CATALOG NUMBER: FFX-CLB-60-727-U-FR-T5-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	129.2	123.9	113.2	96.4	83.7	73.0	65.6	59.6	55.6	53.6	53.6
115°	119.9	115.2	105.1	91.1	79.7	70.3	63.6	58.3	54.2	52.9	52.9
117.5°	117.2	111.8	101.8	89.1	78.3	68.3	62.3	56.9	53.6	52.2	52.2
120°	123.2	115.8	105.1	93.1	78.3	67.0	60.9	56.2	52.9	51.6	51.6
122.5°	131.2	125.2	113.2	91.1	75.7	65.6	59.6	55.6	52.2	51.6	51.6
125°	123.9	119.9	108.5	84.4	73.0	64.3	58.9	55.6	52.9	51.6	51.6
127.5°	108.5	104.5	95.8	80.4	70.3	62.9	58.3	55.6	53.6	51.6	51.6
130°	102.4	97.1	89.1	77.0	67.6	60.9	57.6	55.6	53.6	50.9	50.2
132.5°	105.1	100.4	87.7	72.3	63.6	58.3	55.6	54.2	50.2	47.5	46.9
135°	99.1	94.4	81.7	69.0	61.6	57.6	54.9	50.9	46.9	43.5	43.5
137.5°	88.4	83.0	75.7	66.3	60.9	58.9	55.6	50.2	44.9	42.2	42.2
140°	87.7	81.7	75.0	65.6	59.6	54.2	50.2	44.9	40.8	39.5	38.8
142.5°	89.1	85.0	75.7	65.0	56.9	50.2	45.5	41.5	38.8	36.8	36.8
145°	103.1	97.1	85.0	71.0	61.6	53.6	46.9	41.5	37.5	34.1	33.5
147.5°	106.5	100.4	89.7	77.7	65.6	55.6	46.2	39.5	34.1	31.5	30.8
150°	89.1	85.0	79.0	69.6	58.9	48.9	40.8	34.8	31.5	30.1	29.5
152.5°	67.6	66.3	62.3	55.6	48.2	41.5	36.2	32.8	30.8	30.1	29.5
155°	57.6	56.9	52.9	47.5	41.5	36.8	33.5	31.5	30.1	30.1	29.5
157.5°	53.6	52.2	48.9	43.5	38.2	35.5	32.1	30.8	30.1	30.1	30.1
160°	44.9	43.5	40.8	38.8	35.5	33.5	31.5	30.8	30.1	30.1	29.5
162.5°	40.2	38.8	37.5	35.5	34.8	34.1	33.5	32.1	31.5	30.8	30.8
165°	38.2	37.5	35.5	34.8	34.8	35.5	35.5	34.1	32.8	31.5	31.5
167.5°	37.5	36.8	35.5	34.8	36.2	36.8	37.5	36.2	34.8	32.8	32.1
170°	37.5	37.5	36.8	36.2	36.8	37.5	38.2	38.2	37.5	36.2	36.2
172.5°	37.5	38.2	37.5	37.5	37.5	37.5	37.5	38.8	38.8	38.2	38.2
175°	40.2	40.2	38.2	37.5	38.2	38.8	39.5	38.8	38.8	39.5	39.5
177.5°	36.8	38.2	40.8	41.5	42.9	42.9	41.5	40.8	38.8	38.2	38.2
180°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

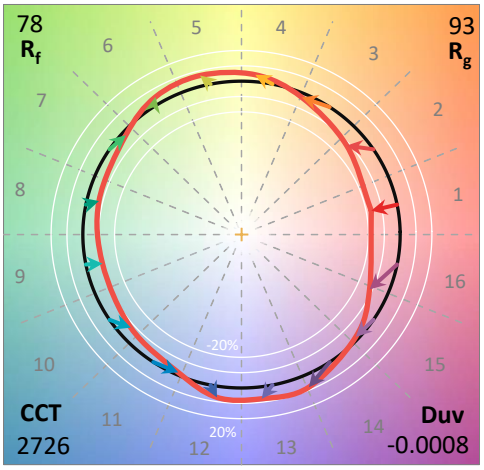
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

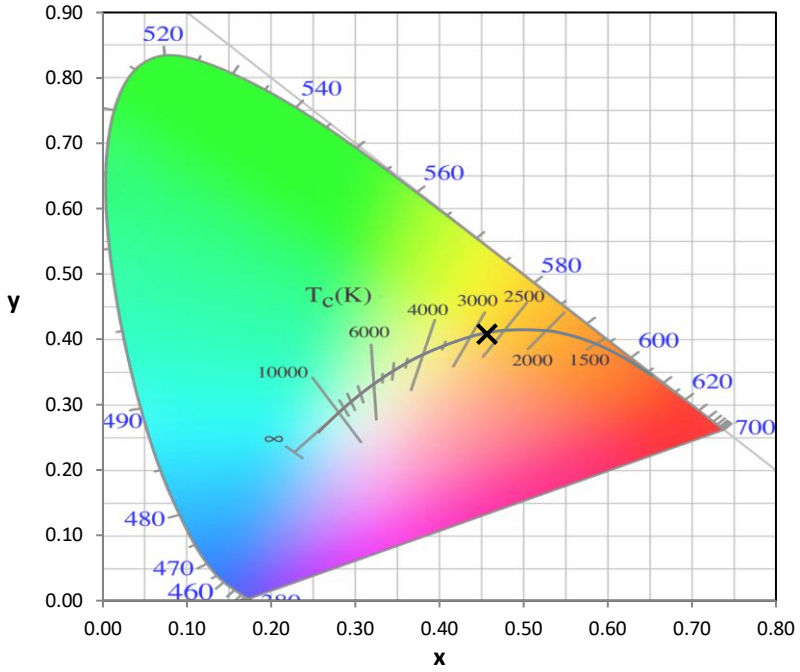
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

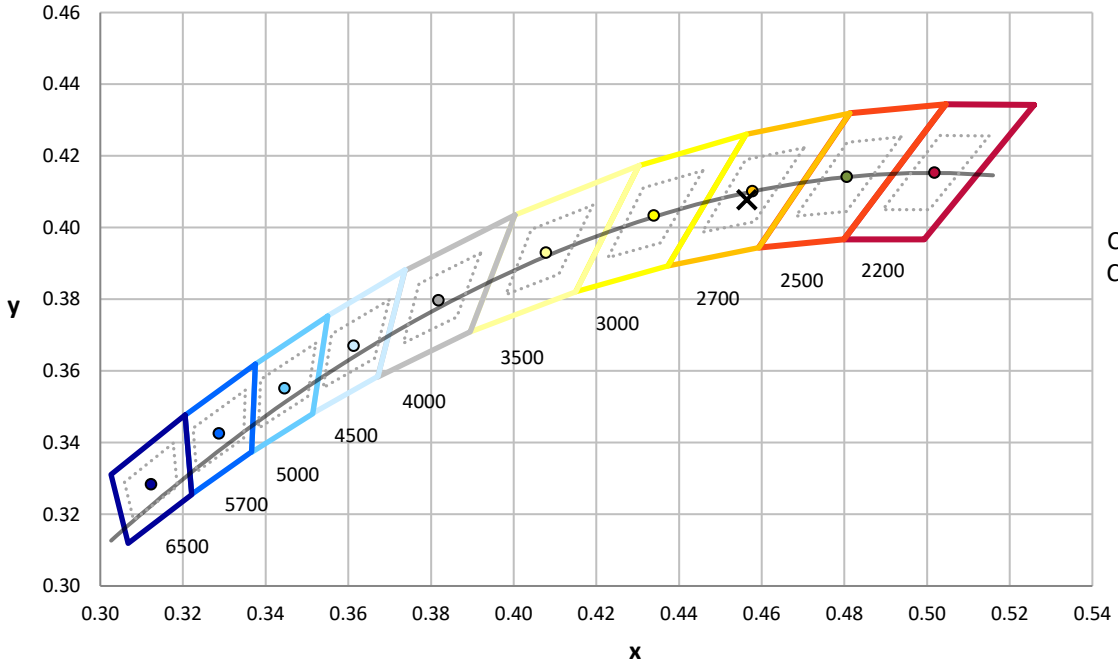
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

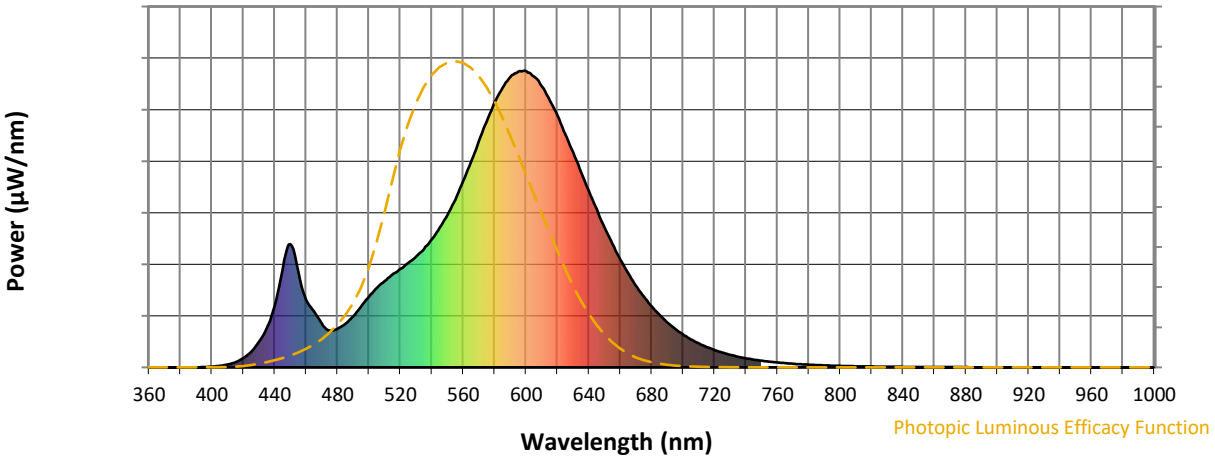


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

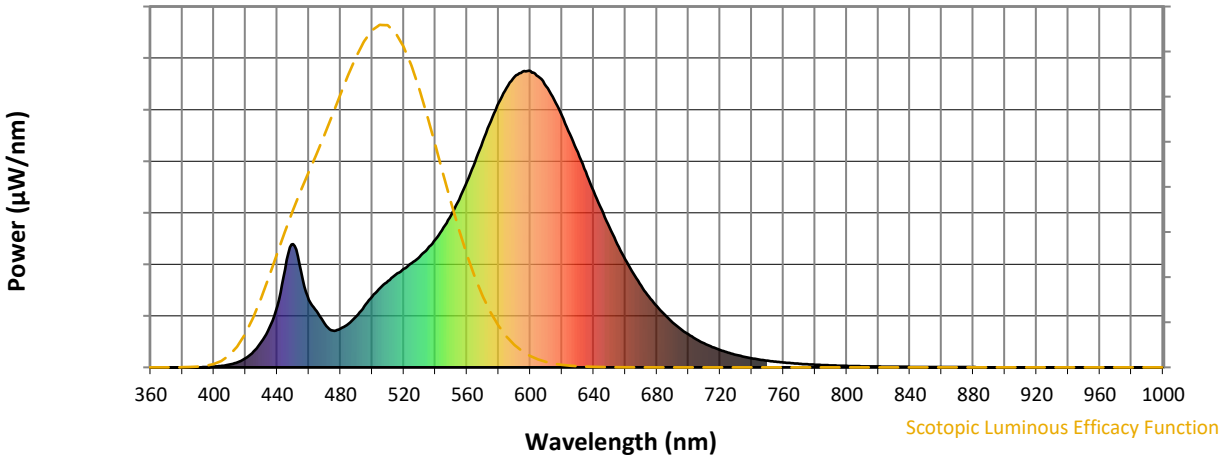


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

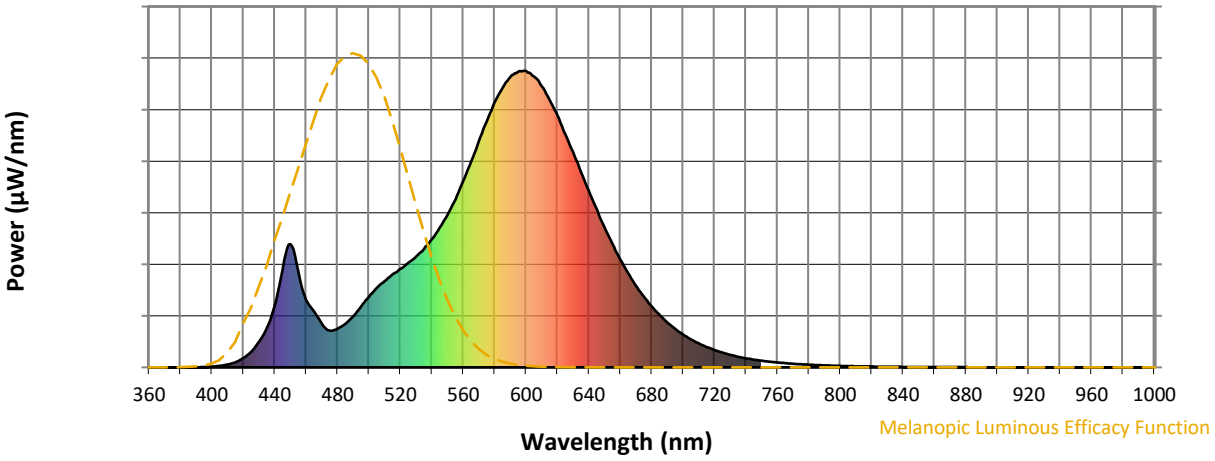


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

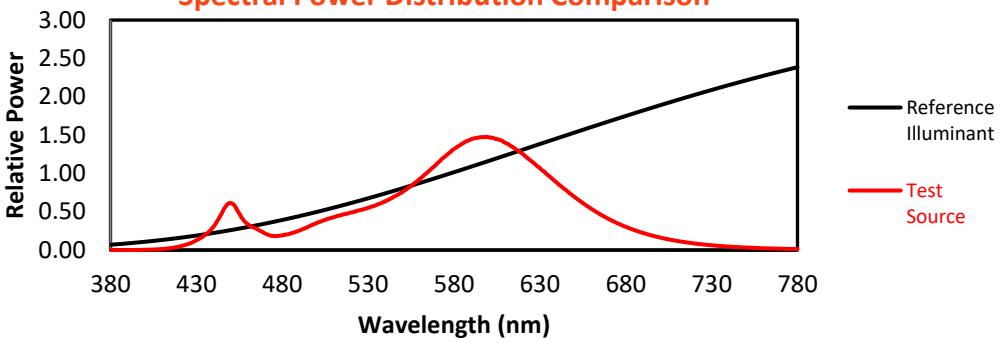
REPORT NUMBER: SP1-2501-332-3

TM-30-18

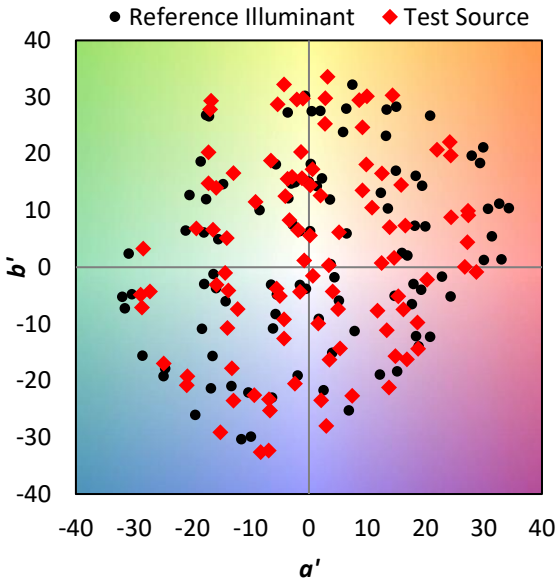
Summary

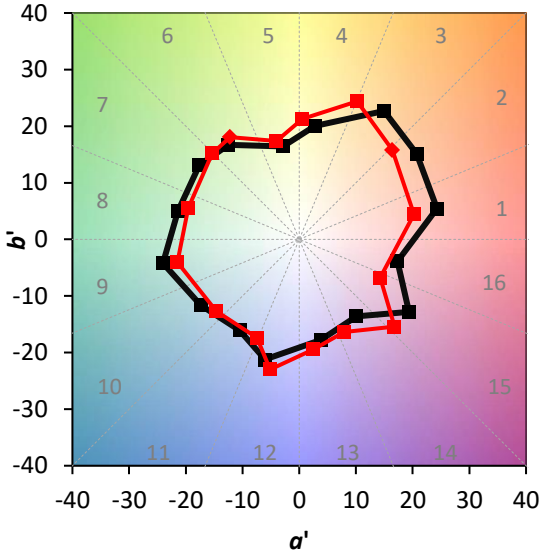
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

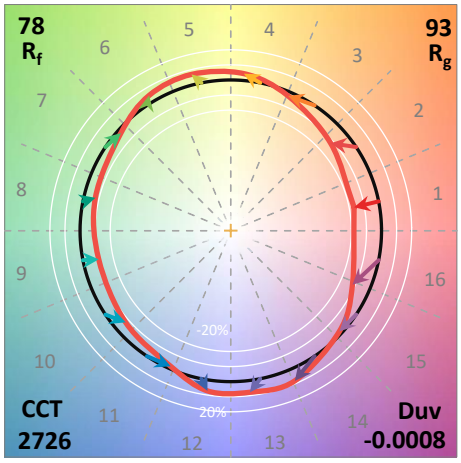
Spectral Power Distribution Comparison

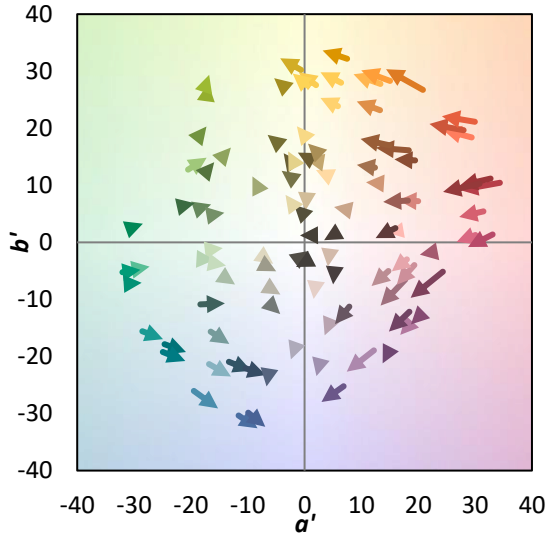


Color Vector Graphics







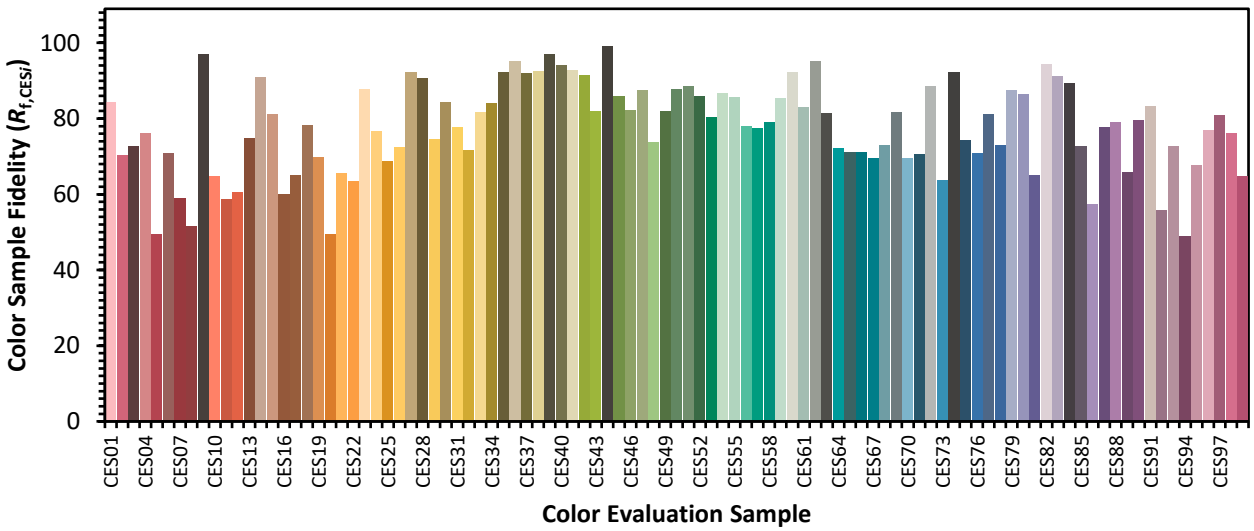


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

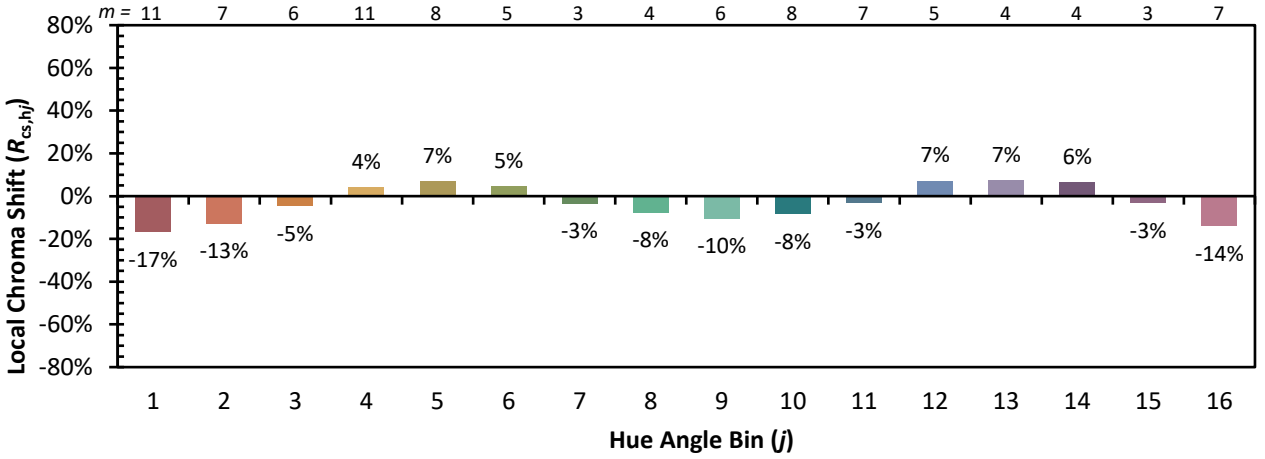
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
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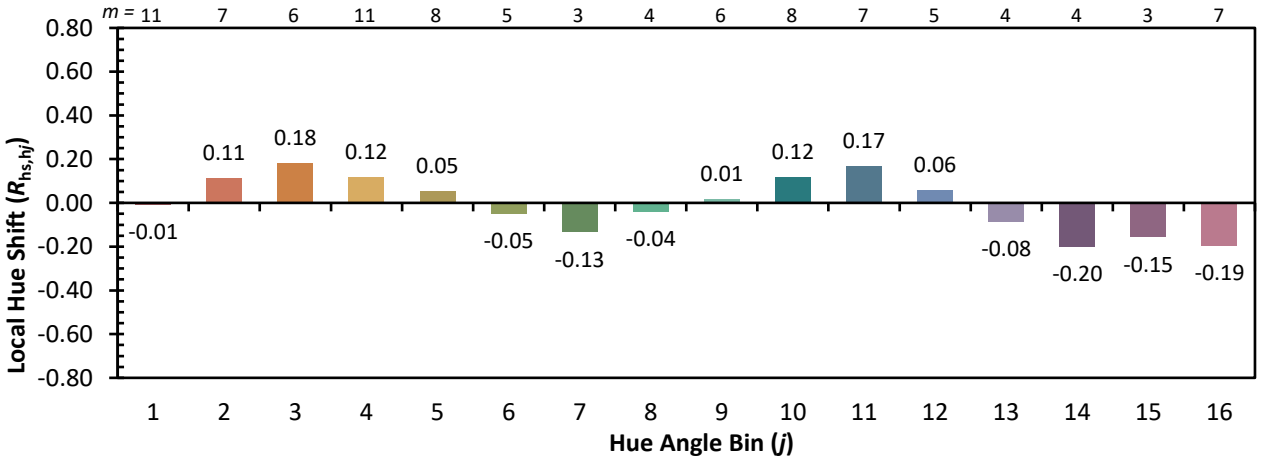


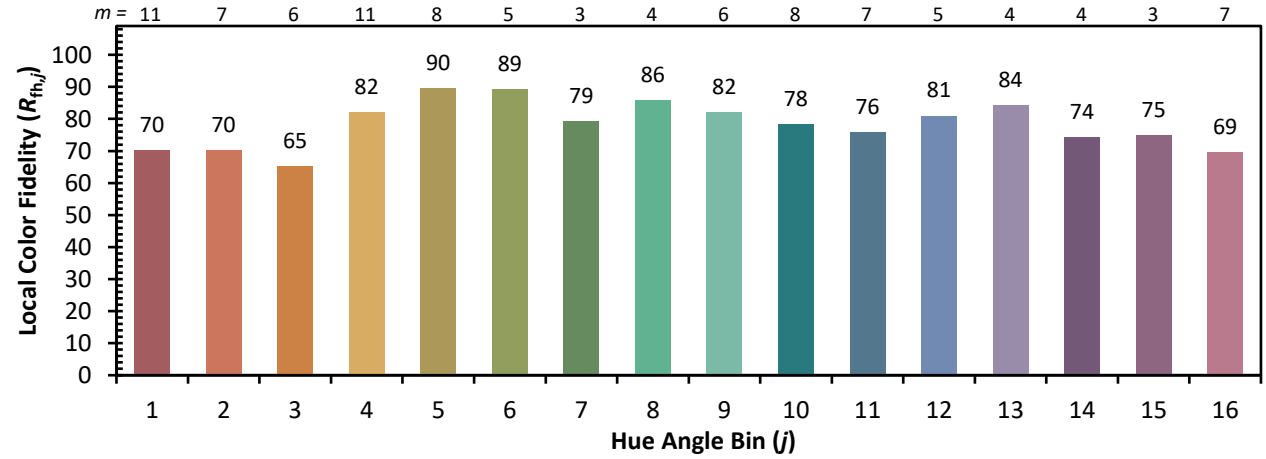
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Color Rendition by Hue-Angle Bin



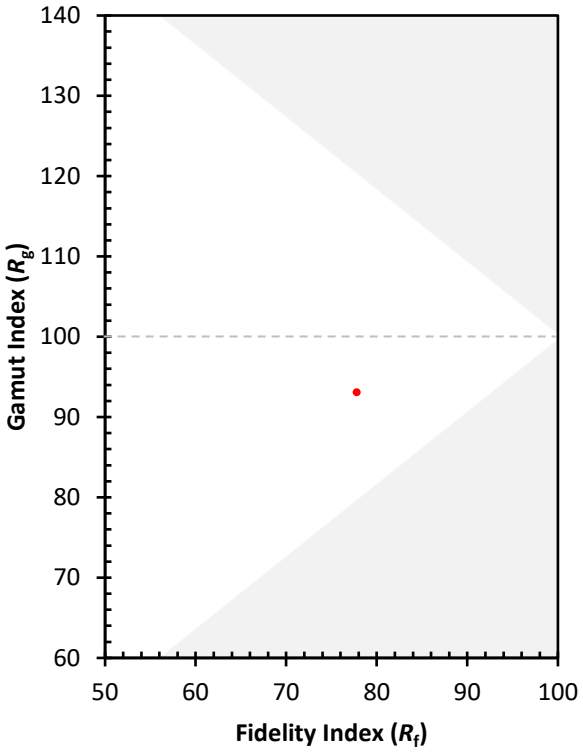


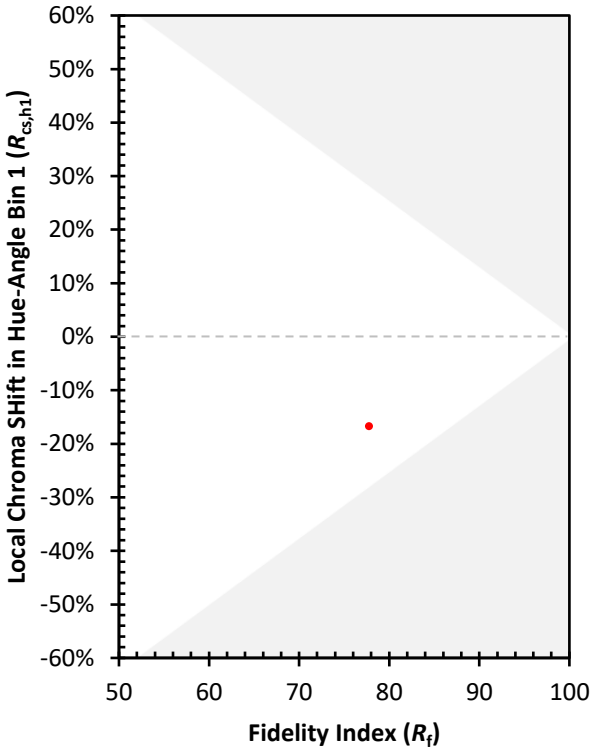


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Measure Comparisons





(END OF REPORT)