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: P981466

Luminaire Tested: **FFX-CLB-40-727-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:	P981466
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-727-U-FR-T3-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5691.6 lumens
Efficiency:	N/A
Efficacy:	144.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U3 - G3

Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

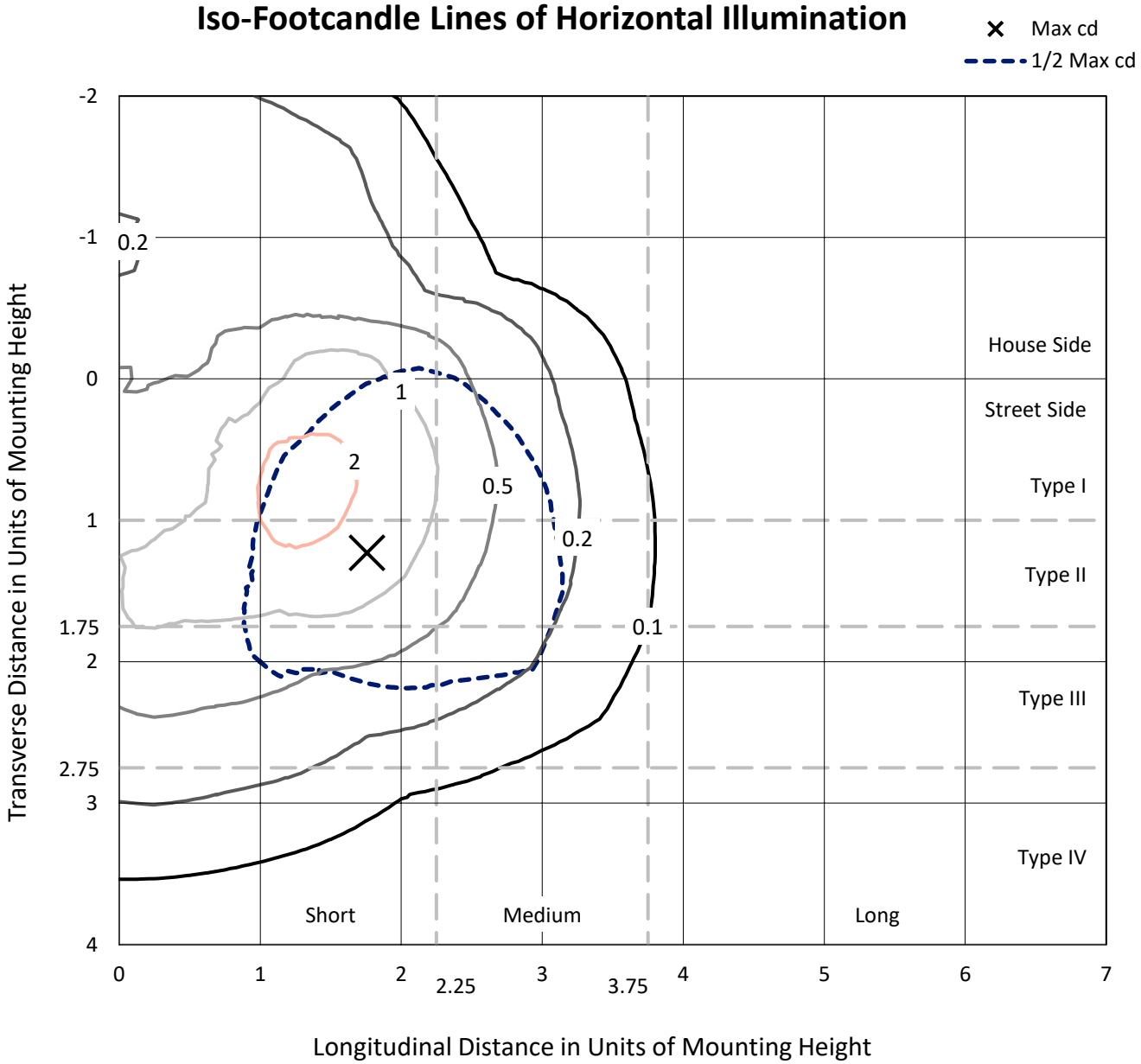


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REPORT NUMBER: P981466
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Iso-Footcandle Lines of Horizontal Illumination



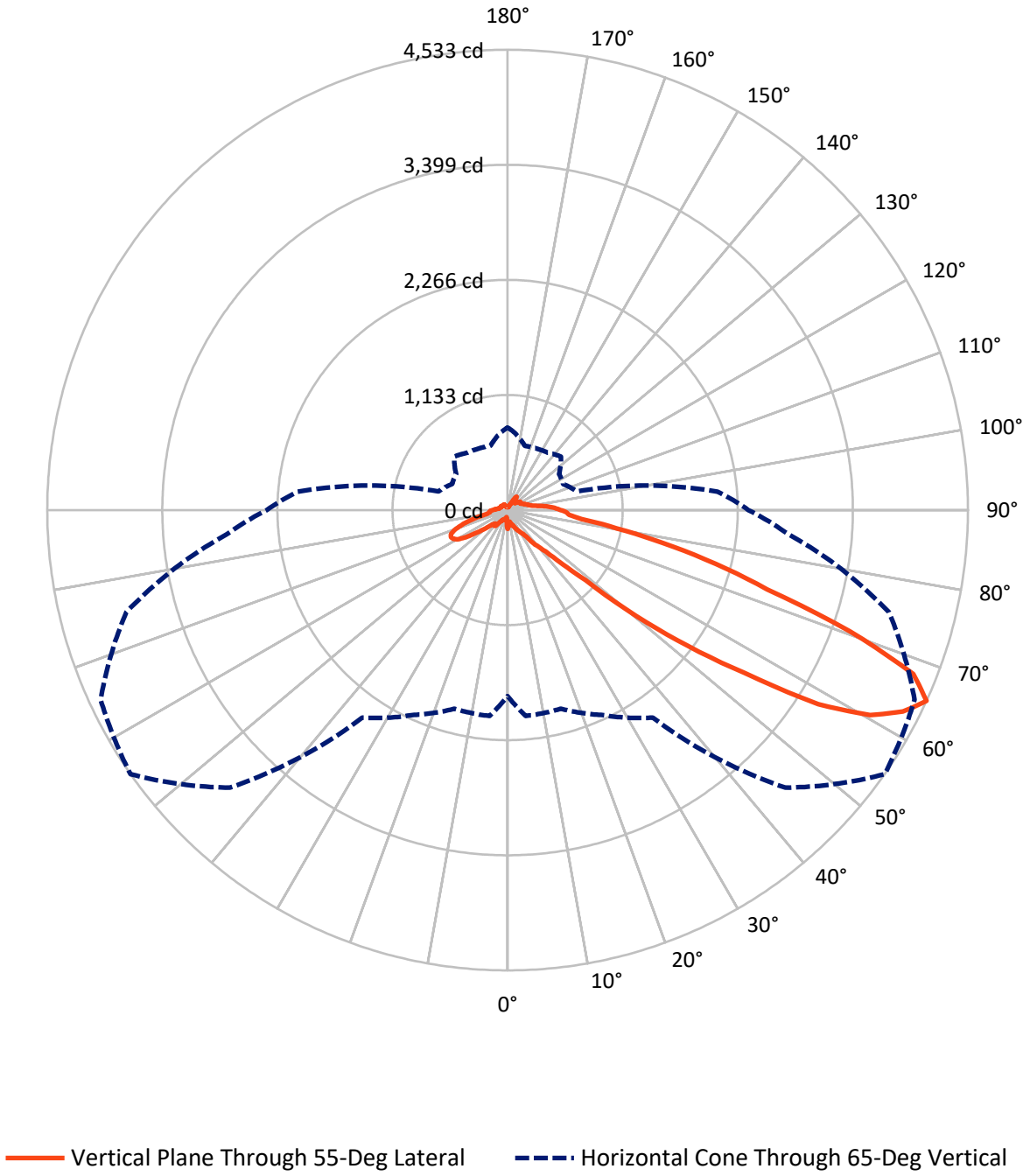
Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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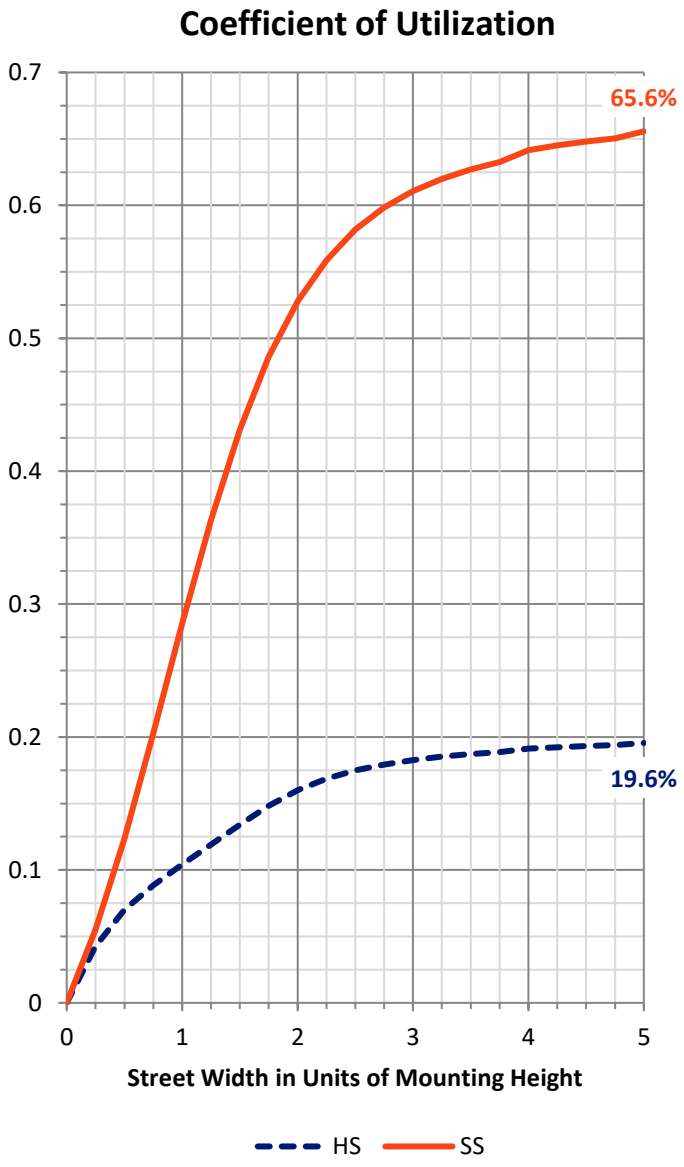
REPORT NUMBER: P981466
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1156.3	225.6	1381.9
	% Fixture	20.3	4.0	24.3
Street Side	Lumens	3858.2	451.5	4309.7
	% Fixture	67.8	7.9	75.7
Total	Lumens	5014.4	677.1	5691.6
	% Fixture	88.1	11.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.2
10°-20°	34.8	0.6
20°-30°	71.1	1.3
30°-40°	154.3	2.7
40°-50°	374.4	6.6
50°-60°	1169.0	20.5
60°-70°	1857.5	32.6
70°-80°	989.9	17.4
80°-90°	352.7	6.2
90°-100°	214.6	3.8
100°-110°	127.0	2.2
110°-120°	99.2	1.7
120°-130°	82.7	1.5
130°-140°	60.5	1.1
140°-150°	55.6	1.0
150°-160°	25.1	0.4
160°-170°	9.6	0.2
170°-180°	2.8	0.0
0°-90°	5014.4	88.1
0°-180°	5691.6	100.0



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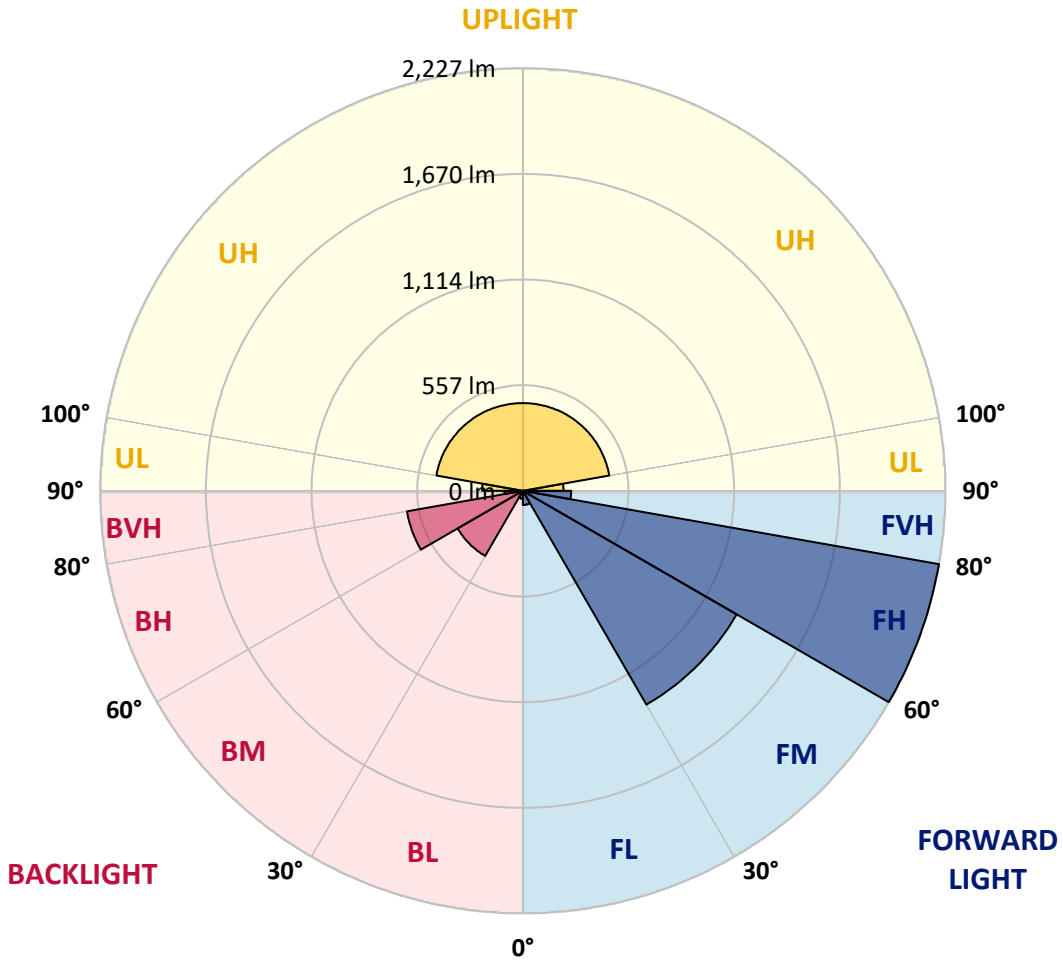
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	75.2	1.3			
FM	(30°-60°)	1301.4	22.9			
FH	(60°-80°)	2227.1	39.1			G2/5000
FVH	(80°-90°)	254.5	4.5			G3/500
BL	(0°-30°)	41.4	0.7	B0/110		
BM	(30°-60°)	396.3	7.0	B1/1000		
BH	(60°-80°)	620.3	10.9	B2/1000		G2/1000
BVH	(80°-90°)	98.2	1.7			G1/100
UL	(90°-100°)	214.6	3.8		U3/500	
UH	(100°-180°)	462.6	8.1		U3/500	

BUG Rating: B2-U3-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	184.7	184.7	184.7	184.7	184.7	184.7	*184.7*	184.7	184.7	184.7	184.7
2.5°	110.3	111.0	123.4	133.0	145.0	141.5	*141.5*	167.7	185.1	210.5	208.2
5°	118.0	113.0	115.3	123.8	139.9	147.7	*139.2*	110.3	91.4	99.1	108.3
7.5°	129.1	128.0	125.3	117.2	111.0	127.6	*150.7*	134.2	101.4	85.2	81.7
10°	132.2	132.6	131.8	132.6	135.7	128.4	*115.3*	104.9	101.8	100.2	99.1
12.5°	160.0	159.6	161.1	159.2	151.9	143.0	*145.7*	138.0	123.0	112.6	109.9
15°	186.6	185.8	185.4	178.1	166.2	151.9	*145.0*	148.4	138.8	126.8	121.4
17.5°	197.4	197.4	189.7	179.3	171.9	161.9	*156.5*	152.7	145.3	137.6	131.1
20°	193.1	192.8	185.1	180.8	181.6	177.0	*172.3*	166.5	159.2	146.9	138.8
22.5°	190.8	190.8	188.1	187.0	193.5	192.0	*190.8*	183.5	173.9	155.8	145.3
25°	205.9	204.7	201.2	201.2	207.4	212.4	*214.3*	208.6	192.8	165.4	155.8
27.5°	220.5	220.1	215.5	216.7	220.5	230.5	*233.6*	230.9	209.3	173.5	165.0
30°	238.3	235.6	231.7	238.6	237.9	251.7	*256.0*	259.1	231.7	190.1	180.0
32.5°	257.1	255.6	252.5	261.4	264.5	277.2	*280.7*	296.1	262.2	219.7	209.3
35°	289.1	288.0	296.1	313.4	313.0	336.9	*327.7*	350.8	318.8	273.3	262.9
37.5°	433.3	426.8	417.5	400.9	399.8	432.9	*422.5*	440.7	395.5	331.5	320.0
40°	451.1	449.9	445.7	426.8	416.0	472.6	*479.6*	533.2	458.8	385.5	363.2
42.5°	440.7	442.2	498.9	510.8	488.8	558.6	*570.2*	664.3	530.1	467.6	426.8
45°	531.2	533.6	552.1	560.5	559.0	734.4	*762.9*	878.2	655.0	582.9	507.3
47.5°	608.4	600.3	633.8	698.6	742.9	941.1	*1032.8*	1209.8	880.1	773.7	633.8
50°	835.8	833.9	914.8	985.8	1029.7	1354.0	*1636.5*	1830.8	1290.0	1121.9	884.4
52.5°	990.0	1055.6	1133.0	1297.3	1337.0	1842.4	*2224.8*	2380.6	1782.6	1473.5	1207.5
55°	1146.5	1241.0	1327.7	1583.3	1715.2	2393.7	*2829.0*	2871.7	2341.3	1791.5	1523.6
57.5°	1437.6	1596.8	1652.7	1856.7	2049.4	3029.0	*3606.2*	3560.7	2917.2	2160.5	1876.7
60°	1700.9	1892.5	1876.3	2076.0	2323.9	3546.8	*4099.6*	4051.8	3444.2	2488.2	2148.1
62.5°	1789.2	1982.3	1960.4	2177.8	2494.7	3824.4	*4368.7*	4287.0	3789.3	2698.3	2298.5
65°	*1830.5*	*2035.6*	*2024.8*	*2227.5*	*2494.7*	*3864.5*	*4532.6*	*4420.8*	*3885.7*	*2779.2*	*2371.0*
67.5°	1794.2	1992.0	1998.9	2179.0	2347.8	3574.9	*4309.0*	4157.1	3644.3	2584.9	2241.4
70°	1568.3	1706.7	1689.4	1852.4	1869.0	2861.7	*3576.1*	3410.7	2960.8	2155.4	1854.7
72.5°	1295.7	1329.3	1315.0	1417.9	1437.2	2096.1	*2672.8*	2579.1	2211.0	1603.8	1417.2
75°	1033.2	1027.8	1057.1	1081.0	1061.0	1538.6	*2116.5*	2010.1	1635.8	1207.8	1090.6
77.5°	714.8	673.5	750.6	757.9	726.3	1023.2	*1561.4*	1520.9	1172.4	890.2	803.8
80°	401.7	406.3	461.5	494.2	482.7	651.1	*1086.4*	1059.8	800.7	622.2	552.8
82.5°	310.0	323.8	349.7	374.3	358.1	498.1	*734.8*	736.7	585.6	454.5	415.2
85°	340.8	348.1	351.6	352.4	339.6	463.0	*609.1*	601.0	497.3	380.5	368.2
87.5°	332.3	340.0	341.2	341.6	330.4	441.0	*576.7*	564.0	474.2	365.5	346.6
90°	284.9	298.0	299.5	309.6	296.5	394.0	*507.7*	495.0	427.5	329.6	311.9
92.5°	244.8	251.7	259.1	271.0	257.1	343.1	*454.5*	438.7	382.8	298.0	273.7
95°	224.0	227.8	234.0	238.6	222.4	291.5	*380.1*	363.5	310.7	239.8	218.2
97.5°	180.0	183.5	186.2	192.0	180.8	230.9	*294.9*	279.5	243.6	190.8	174.6
100°	153.8	156.1	159.2	163.1	153.8	193.5	*242.1*	235.2	202.8	161.1	150.7
102.5°	140.7	142.6	148.0	148.0	142.3	177.0	*216.3*	210.9	182.4	146.1	139.2
105°	135.7	136.1	140.7	138.8	134.9	165.0	*201.6*	194.7	170.8	138.8	130.7
107.5°	129.1	129.5	135.3	132.2	129.1	153.1	*182.7*	179.7	158.1	129.5	122.6
110°	122.6	123.8	131.1	128.4	126.5	143.8	*171.2*	165.4	151.1	125.3	119.5

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REPORT NUMBER: P981466
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	117.6	118.4	125.3	123.4	121.8	137.6	*158.8*	158.8	147.7	125.3	117.6
115°	113.3	114.9	120.7	116.8	114.1	129.5	*146.5*	147.3	138.0	119.5	111.8
117.5°	106.0	109.5	112.6	114.1	111.0	124.1	*139.2*	138.4	133.4	115.3	109.9
120°	120.7	118.0	120.3	123.0	118.0	128.4	*141.1*	141.1	136.1	113.3	108.7
122.5°	126.1	122.2	124.5	121.8	121.4	134.9	*150.7*	151.9	141.5	116.8	105.2
125°	111.8	110.3	107.6	106.8	109.9	122.6	*136.9*	141.9	130.7	111.8	98.3
127.5°	95.6	93.7	90.2	92.1	97.9	110.6	*118.0*	120.7	116.0	103.7	93.7
130°	88.3	87.9	90.6	94.1	98.7	109.5	*111.8*	115.7	115.7	101.0	95.2
132.5°	80.6	81.0	89.4	101.4	104.9	107.2	*102.2*	109.5	113.0	102.9	96.4
135°	79.4	79.8	84.4	94.1	94.5	96.0	*96.4*	105.6	107.9	98.3	91.0
137.5°	86.7	86.7	83.3	85.2	89.4	101.0	*104.9*	112.2	110.3	92.9	82.1
140°	95.6	93.7	82.9	83.3	90.6	104.9	*109.9*	114.5	112.2	91.0	78.3
142.5°	79.0	79.8	81.7	89.1	97.5	129.9	*125.7*	137.2	132.6	96.4	76.3
145°	123.4	123.8	121.4	124.5	129.9	172.7	*159.6*	178.1	183.5	126.1	90.6
147.5°	134.9	136.5	132.2	129.5	145.0	158.1	*143.4*	158.8	169.2	132.2	97.2
150°	105.2	104.9	102.2	106.0	116.4	115.7	*107.9*	113.3	117.6	101.0	83.3
152.5°	74.8	73.6	72.1	72.5	84.8	81.7	*79.4*	84.0	84.0	77.5	66.7
155°	62.1	62.1	61.3	63.2	70.2	64.8	*62.8*	62.1	61.3	59.4	55.1
157.5°	52.4	53.6	52.4	54.7	59.4	54.4	*53.2*	52.0	52.4	52.4	51.3
160°	43.6	43.6	42.8	46.6	48.2	44.3	*42.4*	41.6	41.6	43.9	43.9
162.5°	36.6	36.6	37.0	38.6	39.7	37.0	*35.9*	35.9	37.0	40.5	40.5
165°	31.6	31.6	32.0	33.2	33.9	32.4	*31.6*	32.0	35.1	38.2	38.2
167.5°	28.9	28.9	28.9	29.3	29.7	28.9	*28.9*	30.5	33.2	35.1	35.1
170°	27.4	27.4	27.0	27.4	27.4	27.4	*28.9*	30.5	31.6	31.6	31.6
172.5°	27.8	27.8	27.4	27.8	27.8	27.4	*29.3*	31.2	30.5	30.1	30.1
175°	28.5	28.5	28.5	28.9	28.9	28.1	*27.8*	28.5	29.3	29.3	28.9
177.5°	28.5	28.5	28.1	28.5	28.1	27.4	*27.0*	26.6	26.6	26.2	26.2
180°	26.6	26.6	26.6	26.6	26.6	26.6	*26.6*	26.6	26.6	26.6	26.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7
2.5°	188.5	162.7	143.4	158.4	191.6	208.2	191.6	145.7	102.5	89.8
5°	113.0	109.9	99.1	96.8	101.0	97.2	107.9	102.2	81.0	81.7
7.5°	84.4	102.2	98.7	70.6	65.9	61.7	65.2	74.4	76.7	71.7
10°	97.9	88.3	77.1	71.7	78.3	84.4	80.2	69.8	60.1	57.4
12.5°	107.9	107.2	108.3	97.2	79.8	73.6	71.3	76.7	93.3	97.2
15°	116.0	107.2	99.1	96.8	85.2	79.0	75.9	74.4	71.3	69.0
17.5°	124.1	109.5	100.6	91.8	86.0	80.2	73.6	70.2	69.8	70.2
20°	129.5	116.0	105.6	95.6	88.3	80.6	74.0	70.9	70.9	70.9
22.5°	136.1	123.0	111.8	99.1	90.6	82.1	76.7	73.6	73.2	73.2
25°	146.9	132.2	119.1	105.2	96.0	88.3	81.0	77.1	75.9	75.6
27.5°	159.2	143.0	127.2	113.0	103.3	94.8	85.2	79.4	77.9	77.5
30°	175.0	156.5	136.5	121.4	109.5	101.4	89.8	82.9	79.8	79.4
32.5°	200.9	176.6	150.4	133.8	119.5	108.7	96.0	87.5	82.5	81.3
35°	250.6	220.9	181.6	157.7	134.9	118.0	101.4	90.2	85.2	84.4
37.5°	306.1	261.0	222.8	195.1	167.3	138.8	109.9	94.5	88.3	87.1
40°	330.0	287.2	246.7	203.2	197.0	174.6	134.9	104.9	92.5	90.6
42.5°	382.4	321.5	266.8	179.7	193.9	192.8	166.5	128.4	104.1	99.5
45°	450.3	365.9	296.9	192.0	195.5	188.5	170.8	148.4	126.5	121.4
47.5°	560.9	409.0	306.5	215.9	219.7	203.2	178.9	156.5	140.7	138.8
50°	801.1	535.9	342.0	261.4	273.7	235.6	205.5	186.2	167.3	163.8
52.5°	1089.1	635.0	378.6	326.2	370.5	315.7	270.3	234.8	233.6	229.0
55°	1392.5	673.1	427.2	397.5	466.5	419.1	374.7	342.3	358.9	360.5
57.5°	1733.3	714.0	497.3	490.8	582.9	507.3	470.0	478.8	596.4	642.3
60°	1960.4	747.5	557.8	567.9	689.3	615.7	587.5	607.2	806.9	890.6
62.5°	2061.4	730.6	587.5	604.9	735.2	681.6	677.0	687.4	856.6	934.9
65°	*2075.3*	*705.5*	*603.7*	*618.8*	*743.3*	*688.5*	*668.9*	*654.2*	*766.8*	*812.7*
67.5°	1904.9	652.3	591.0	606.8	706.7	641.1	592.2	559.0	624.2	628.8
70°	1550.2	582.5	547.8	553.6	603.7	536.6	490.4	461.9	476.9	470.7
72.5°	1202.1	513.5	488.1	474.6	489.6	432.2	377.4	362.8	377.0	370.5
75°	913.3	458.8	430.6	385.1	409.8	332.7	271.8	258.7	264.9	256.0
77.5°	671.6	369.7	336.9	284.9	318.8	241.3	183.5	170.0	172.3	163.8
80°	490.0	273.3	246.3	204.3	229.8	171.6	132.6	130.3	129.9	124.5
82.5°	378.6	217.0	197.0	175.8	180.0	151.5	125.7	121.8	121.8	113.7
85°	351.2	210.1	189.7	174.6	175.8	146.9	119.5	117.2	118.4	109.9
87.5°	328.1	205.5	188.9	170.8	161.9	133.0	107.6	110.3	111.0	103.7
90°	281.4	182.7	167.7	150.4	139.9	113.0	96.4	101.4	102.2	95.6
92.5°	246.7	156.9	144.2	130.7	126.1	106.0	92.5	96.4	96.4	90.6
95°	196.6	128.4	122.6	116.0	114.9	99.1	86.4	88.3	87.5	82.5
97.5°	160.0	111.4	106.4	100.2	96.4	84.8	75.9	77.9	78.3	74.8
100°	140.7	102.9	96.0	89.1	85.2	76.3	69.4	72.9	75.2	72.1
102.5°	131.5	98.3	90.6	83.3	80.2	72.1	65.5	68.6	71.7	69.0
105°	124.9	94.8	86.7	80.2	76.3	68.2	61.7	62.5	66.3	64.8
107.5°	116.4	94.8	84.4	77.9	73.2	65.9	58.2	57.4	59.8	59.4
110°	113.3	94.8	82.9	76.3	71.3	64.8	57.8	54.7	55.9	55.9

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

Scaled Data Report

REPORT NUMBER: P981466
CATALOG NUMBER: FFX-CLB-40-727-U-FR-T3-UPLR

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	110.6	94.1	81.3	73.6	69.4	64.0	57.1	52.4	53.6	54.4
115°	104.5	86.7	76.7	68.6	64.4	58.6	54.0	50.5	50.9	51.7
117.5°	101.0	80.2	74.4	67.1	64.0	60.5	56.3	49.7	49.7	50.5
120°	101.0	79.0	76.3	73.6	72.1	66.3	59.4	49.7	48.6	48.6
122.5°	99.5	87.9	83.3	77.1	72.9	65.2	56.7	48.6	47.8	47.8
125°	91.4	84.0	76.7	69.4	64.4	58.2	53.2	49.0	47.4	47.4
127.5°	87.1	75.6	68.6	62.8	59.4	56.3	53.2	49.0	47.0	46.6
130°	88.3	76.3	67.5	62.8	60.1	57.1	53.6	48.2	45.1	44.7
132.5°	89.1	73.6	65.2	61.3	59.4	57.1	52.4	45.5	42.0	42.0
135°	80.6	66.3	62.5	59.8	58.6	56.7	49.7	43.2	40.5	40.1
137.5°	73.2	64.4	61.7	59.0	57.1	54.4	49.0	42.4	38.9	38.6
140°	70.2	62.8	59.0	54.0	51.7	46.3	42.4	38.6	37.4	37.0
142.5°	66.7	59.0	54.4	50.1	49.0	47.0	44.7	38.6	34.7	34.7
145°	79.8	70.9	65.5	61.3	55.9	52.0	44.7	37.0	32.0	31.2
147.5°	83.7	75.6	70.2	64.4	54.4	45.9	37.8	32.4	30.5	29.7
150°	73.2	66.3	60.5	54.4	45.5	39.7	34.3	30.8	30.1	30.1
152.5°	58.2	54.4	48.2	43.9	38.2	34.7	31.6	29.7	28.9	28.9
155°	48.2	45.1	41.6	38.2	35.1	32.8	30.8	29.3	28.5	28.5
157.5°	46.6	42.0	38.9	35.9	33.9	31.6	30.1	28.5	28.1	27.8
160°	42.4	37.0	34.3	32.4	32.0	31.2	30.1	28.9	28.5	28.1
162.5°	39.3	33.9	32.0	30.8	32.0	32.8	32.0	30.5	29.3	28.9
165°	37.0	32.0	30.5	30.5	32.8	33.9	32.0	30.5	30.5	30.1
167.5°	34.3	32.8	30.8	30.5	32.4	34.7	35.1	32.4	31.2	30.8
170°	32.0	32.4	32.4	31.2	31.6	33.5	34.3	33.5	32.0	31.6
172.5°	30.5	31.2	32.8	32.0	32.0	32.8	33.5	32.8	31.6	31.2
175°	28.9	29.3	28.5	28.9	30.1	31.2	30.8	30.5	30.1	30.1
177.5°	26.2	26.2	26.6	26.6	27.0	28.1	28.5	28.5	29.3	29.3
180°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6

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

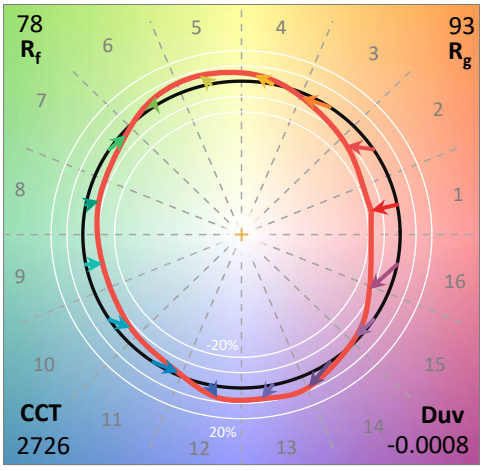
Test Information

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

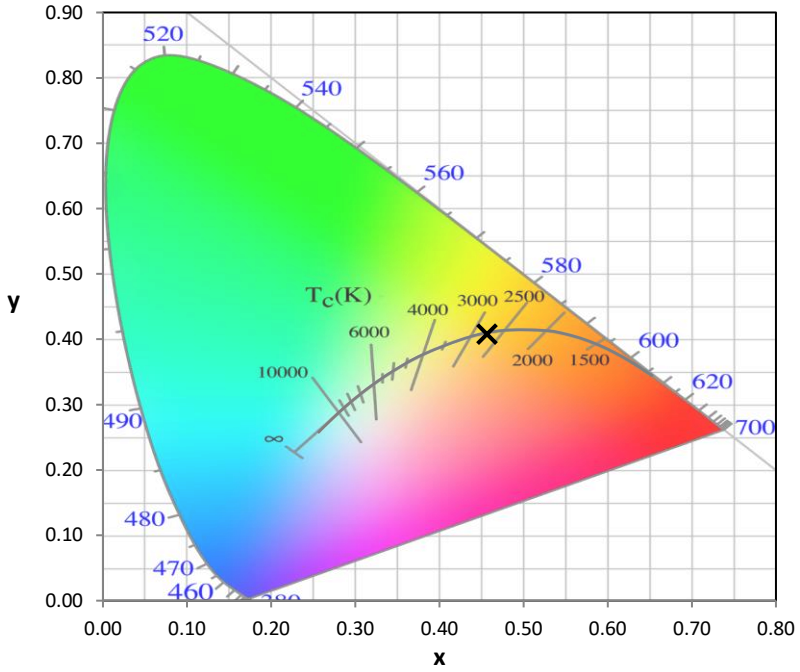
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

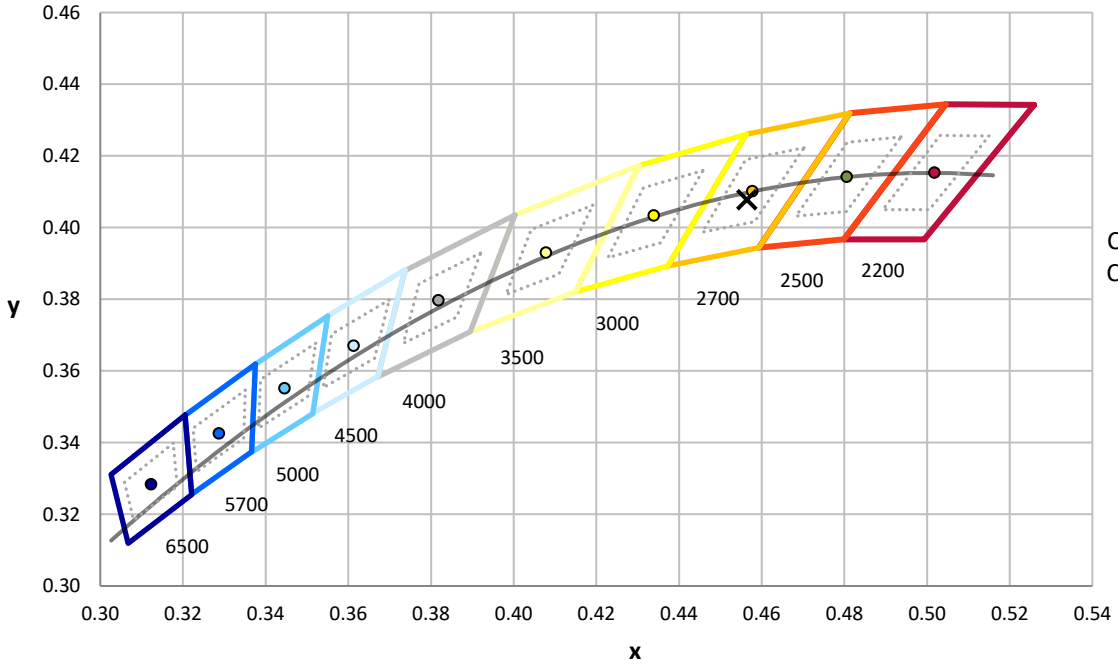
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

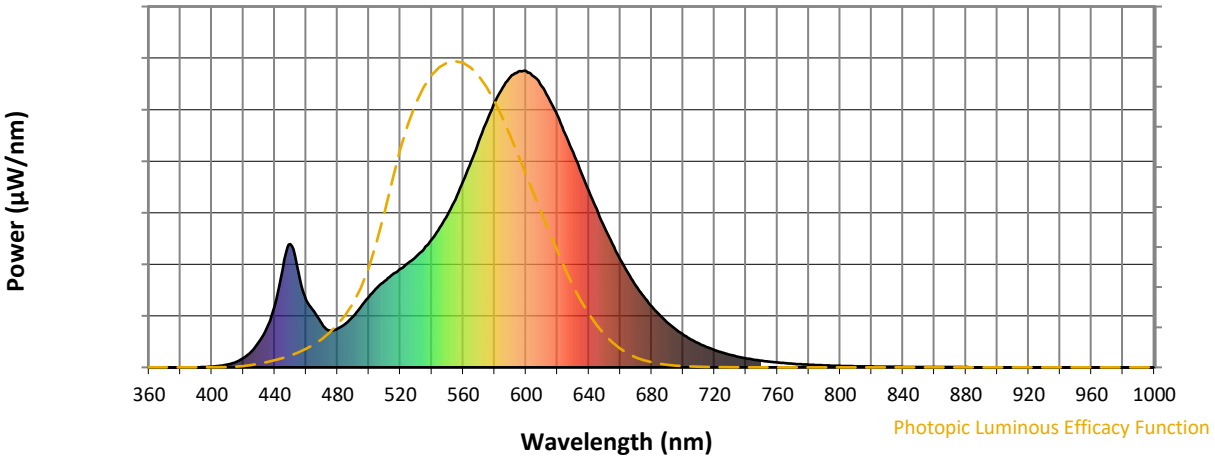


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

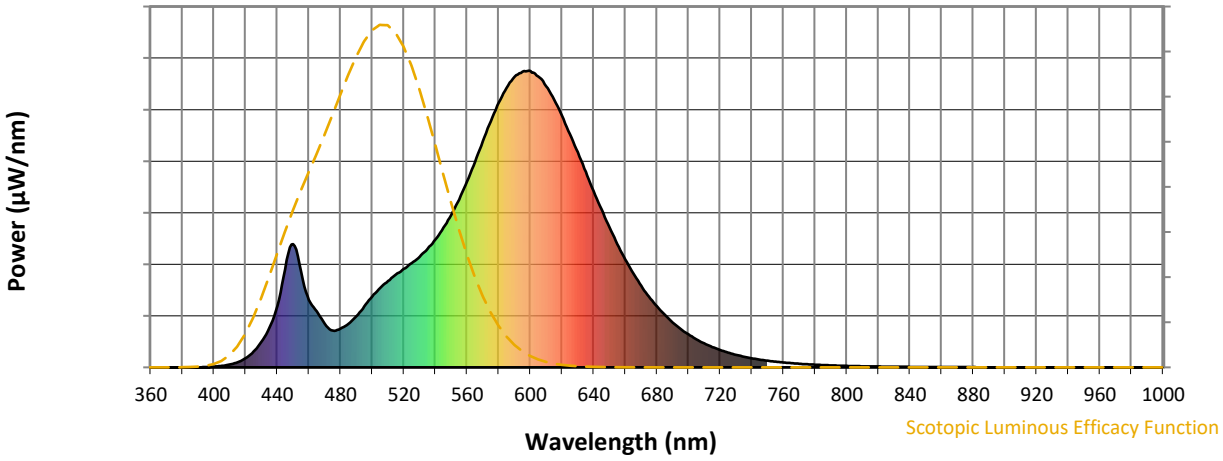


Photopic Lumens: NR

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

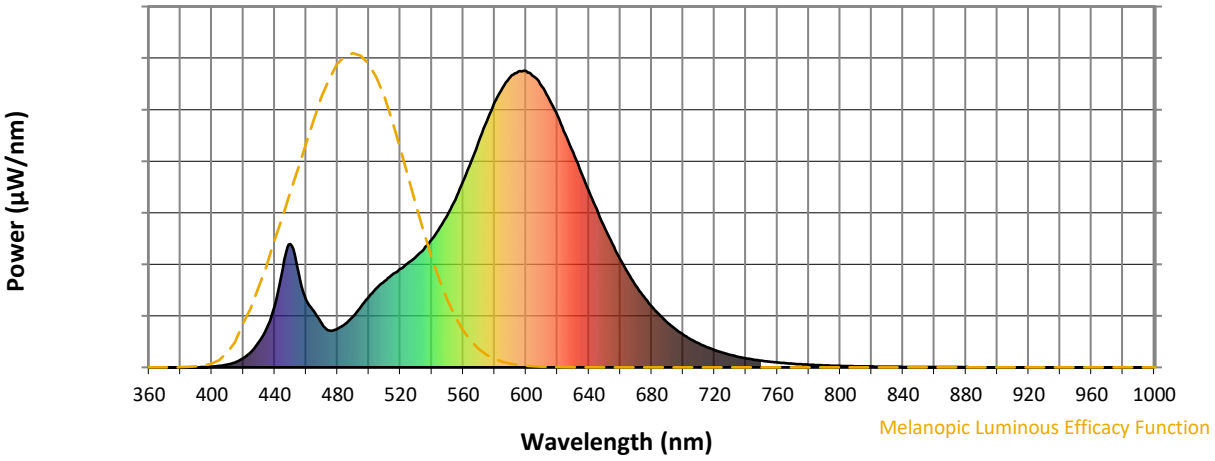


Scotopic Lumens: NR **S/P: 1.16**

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			

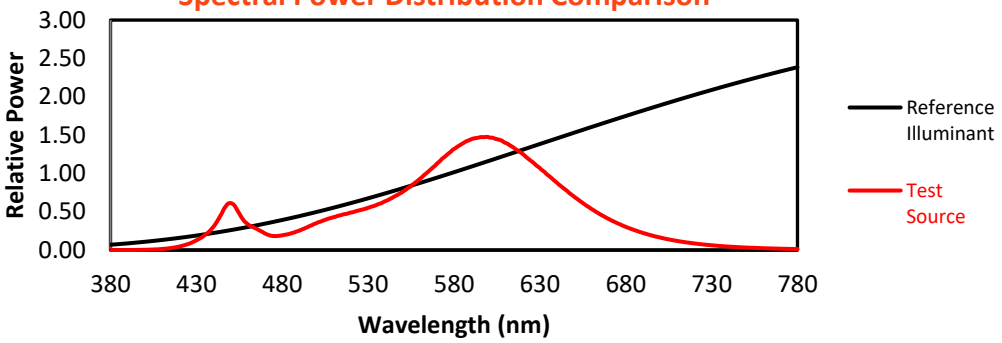
REPORT NUMBER: SP1-2501-332-3

TM-30-18

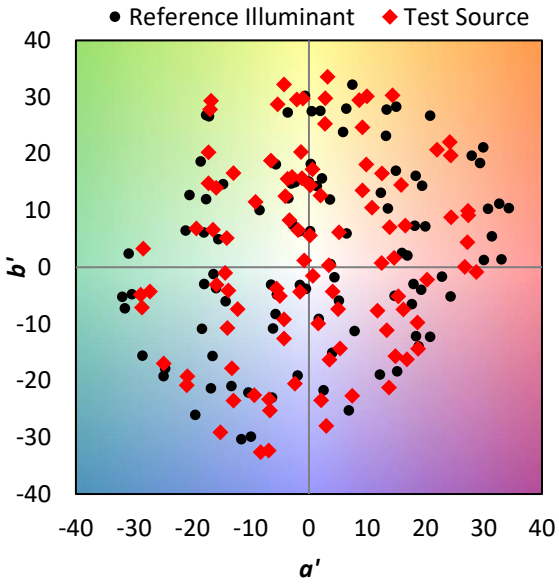
Summary

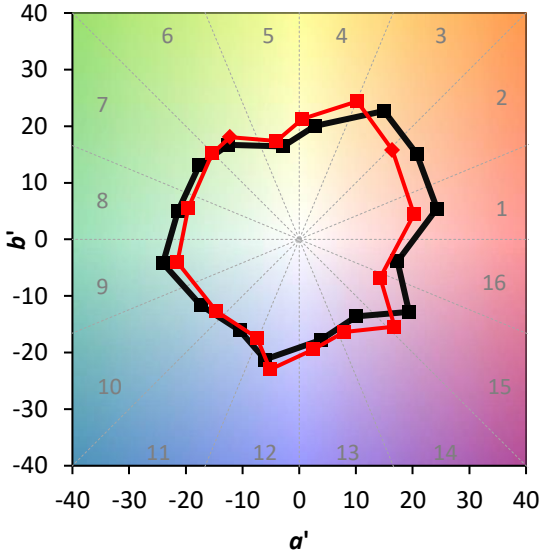
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

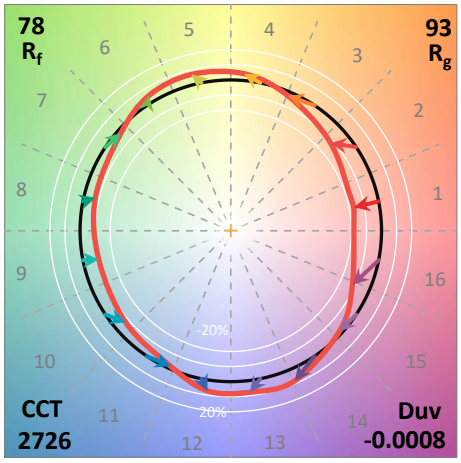
Spectral Power Distribution Comparison

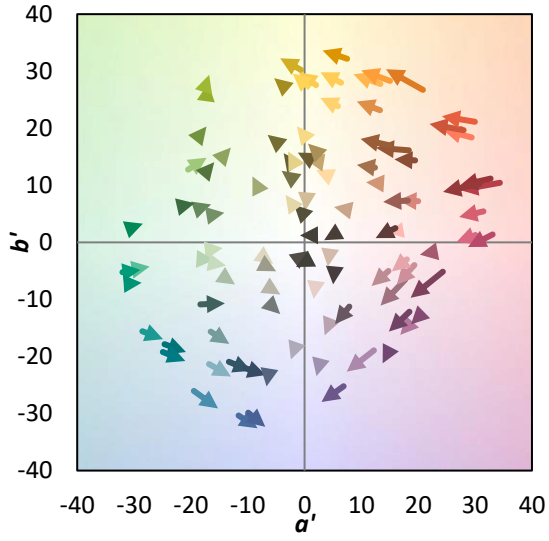


Color Vector Graphics







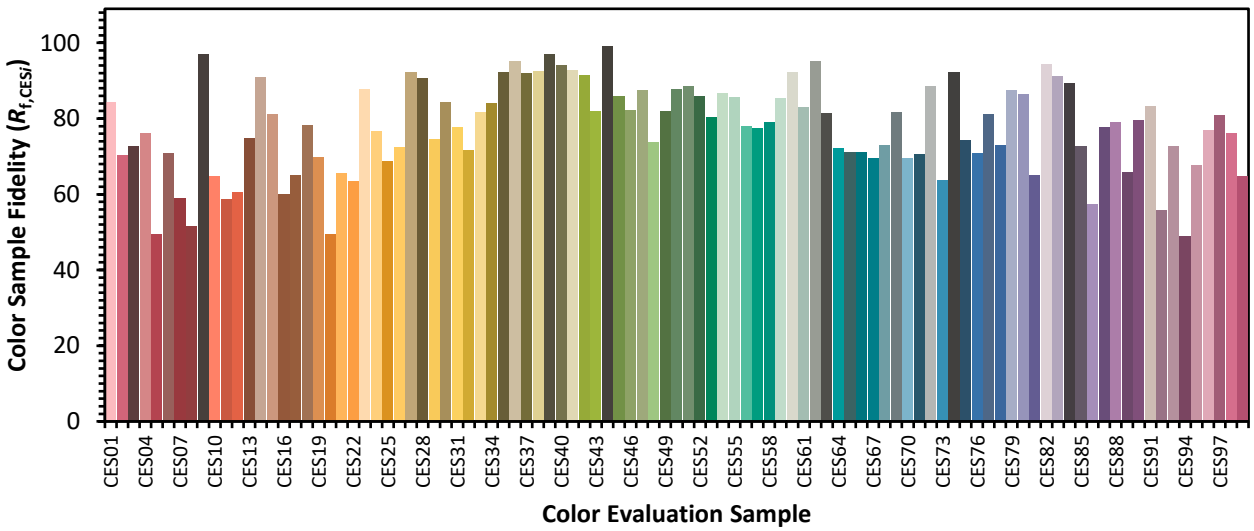


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

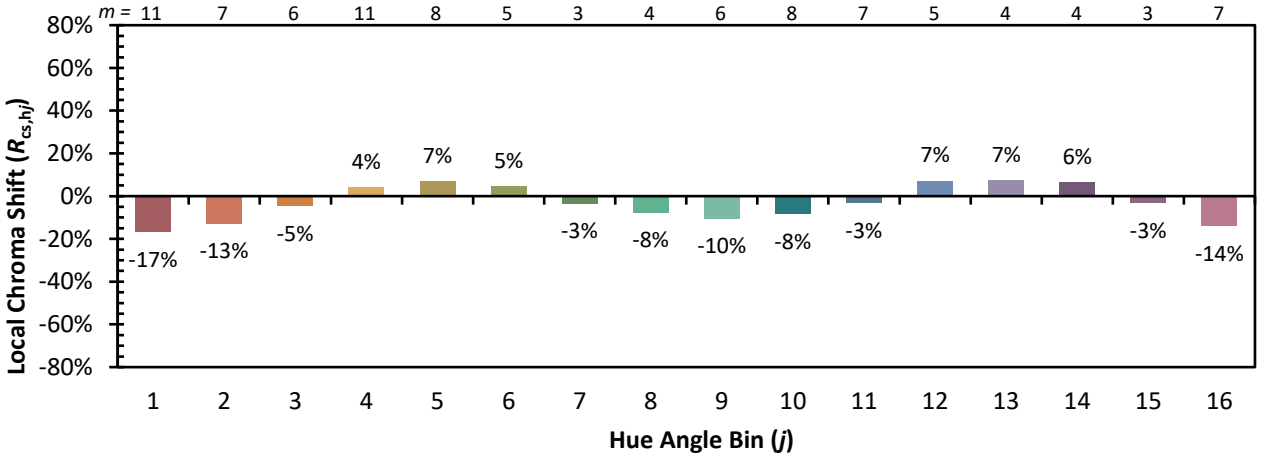
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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
CES25 = 73	CES50 = 88	CES75 = 74	

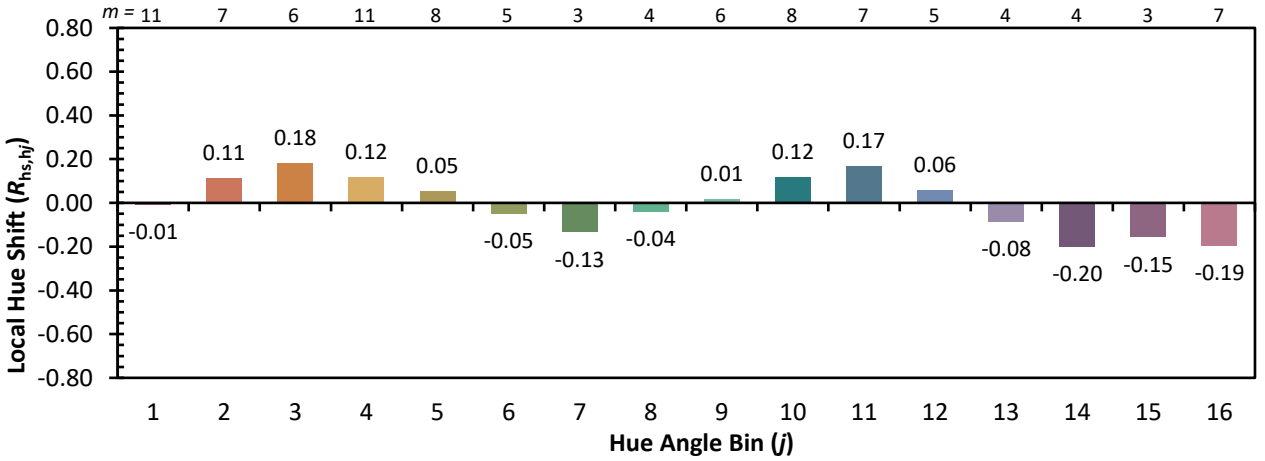


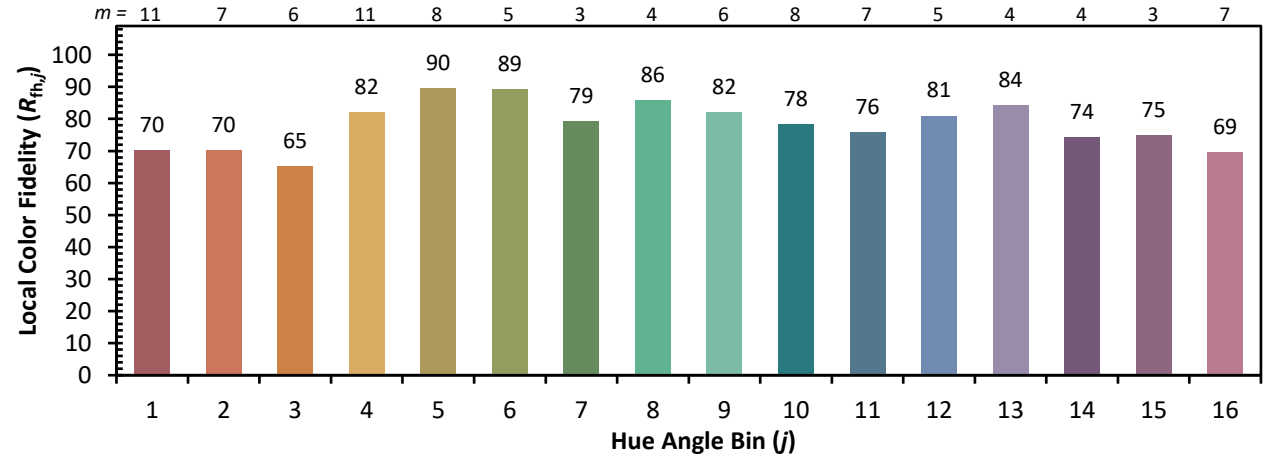
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Color Rendition by Hue-Angle Bin



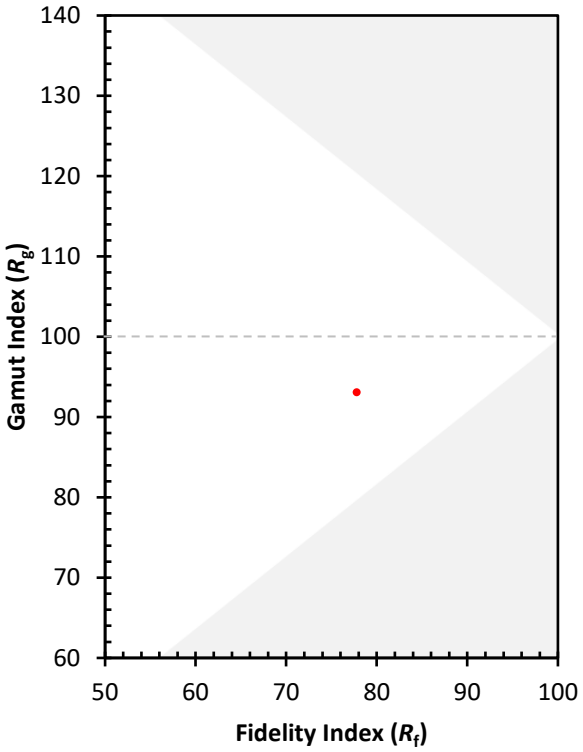


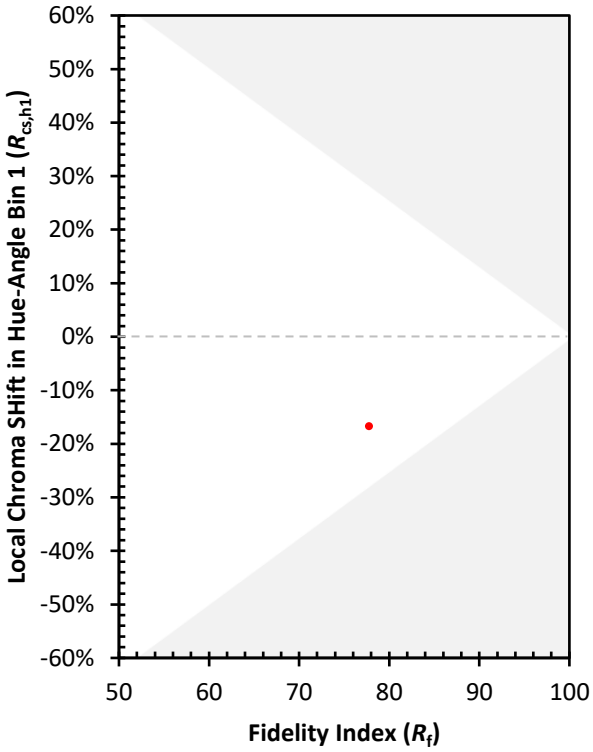


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Measure Comparisons





(END OF REPORT)