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: P981457

Luminaire Tested: **FFX-CLB-40-722-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:	P981457
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-722-U-FR-T3-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5059.2 lumens
Efficiency:	N/A
Efficacy:	128.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U3 - G3

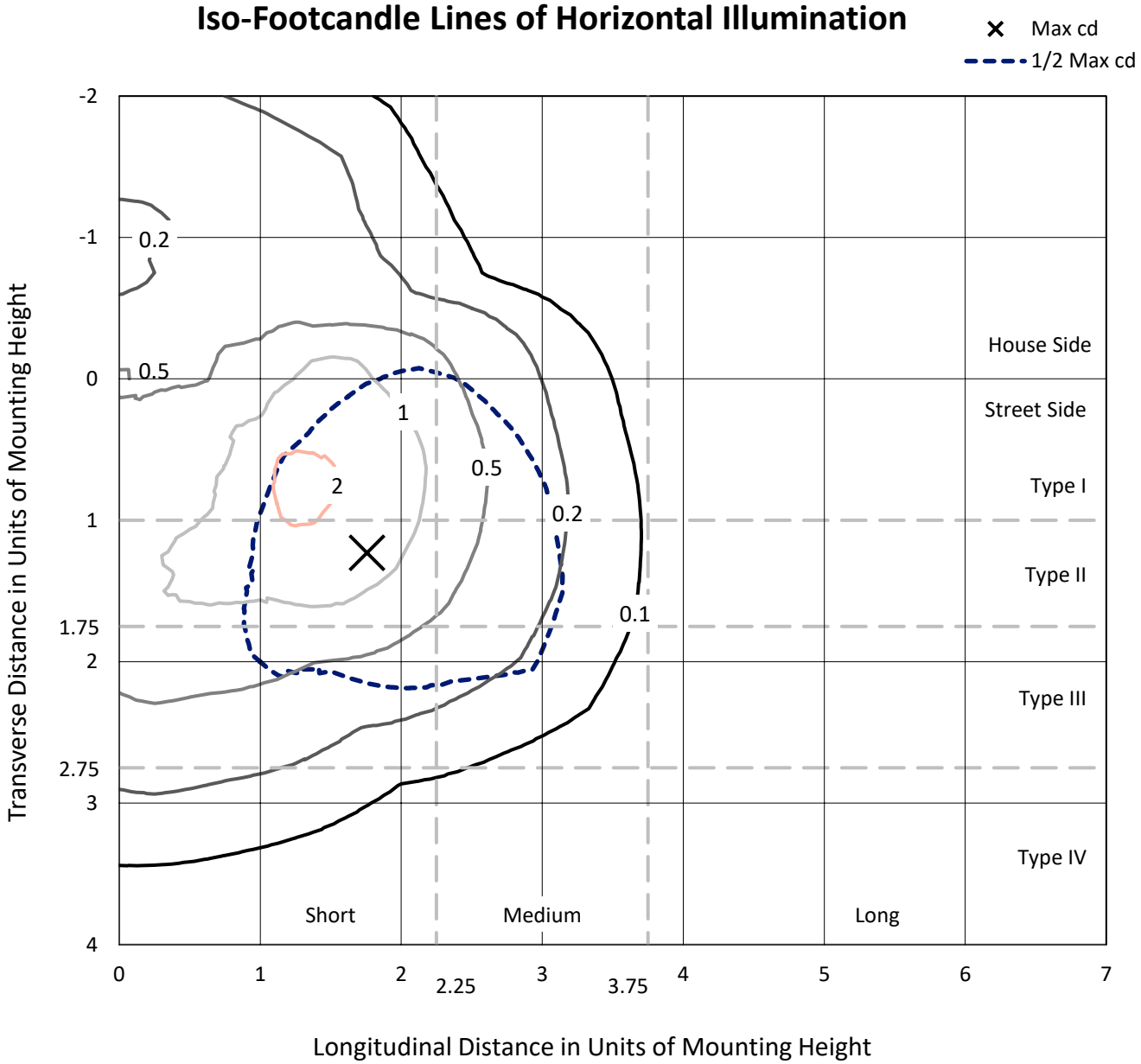
Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



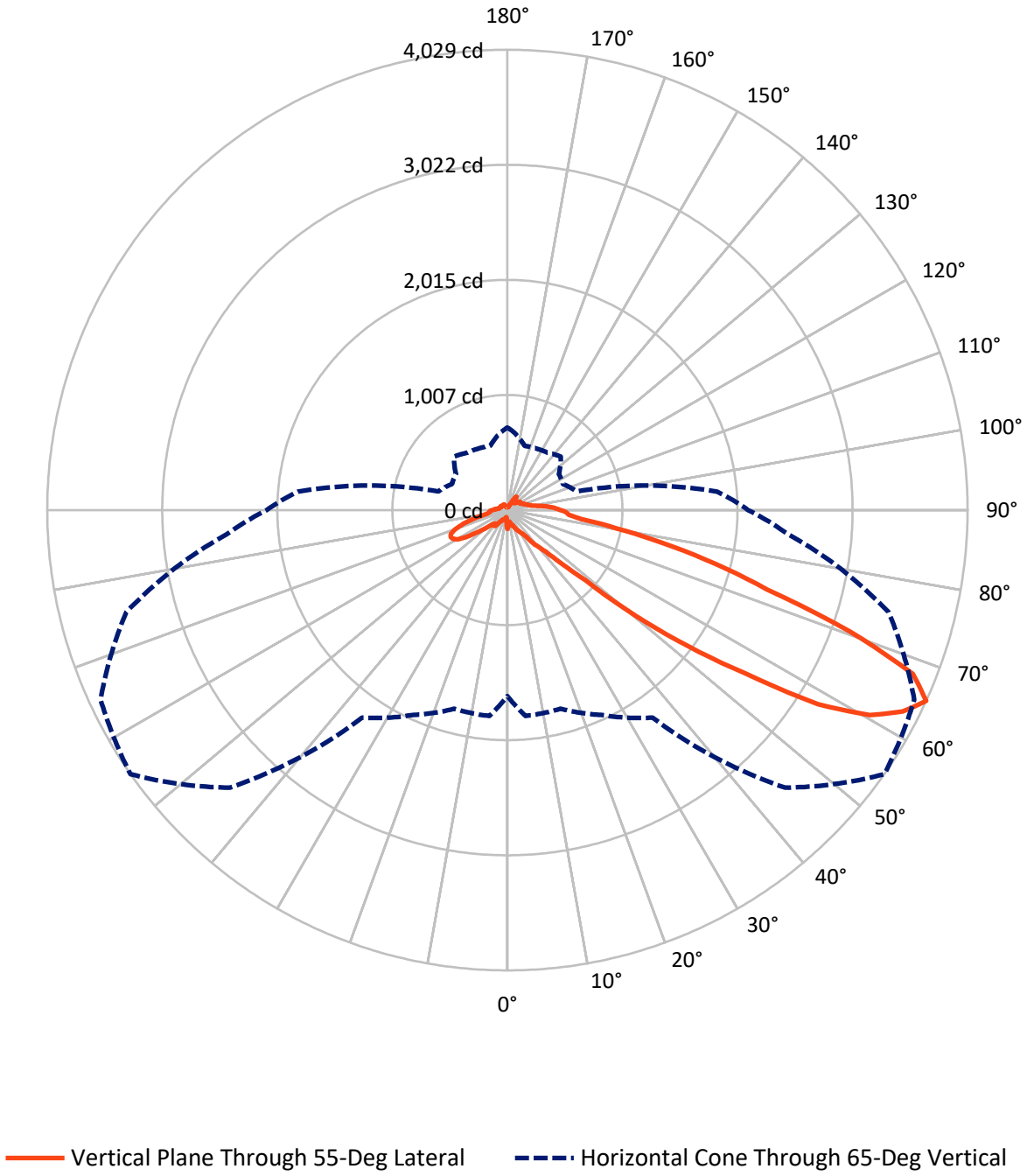
Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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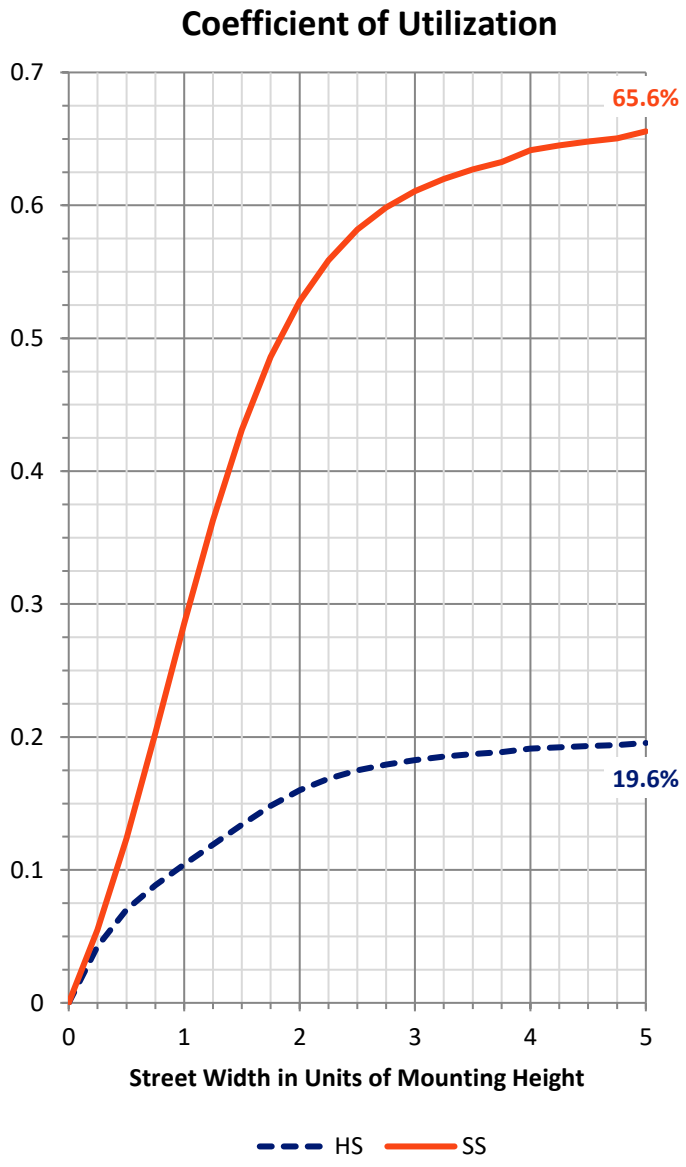
REPORT NUMBER: P981457
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1027.8	200.6	1228.3
	% Fixture	20.3	4.0	24.3
Street Side	Lumens	3429.5	401.3	3830.8
	% Fixture	67.8	7.9	75.7
Total	Lumens	4457.3	601.9	5059.2
	% Fixture	88.1	11.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.2
10°-20°	30.9	0.6
20°-30°	63.2	1.3
30°-40°	137.1	2.7
40°-50°	332.8	6.6
50°-60°	1039.1	20.5
60°-70°	1651.1	32.6
70°-80°	879.9	17.4
80°-90°	313.5	6.2
90°-100°	190.7	3.8
100°-110°	112.9	2.2
110°-120°	88.2	1.7
120°-130°	73.5	1.5
130°-140°	53.7	1.1
140°-150°	49.4	1.0
150°-160°	22.3	0.4
160°-170°	8.5	0.2
170°-180°	2.5	0.0
0°-90°	4457.3	88.1
0°-180°	5059.2	100.0



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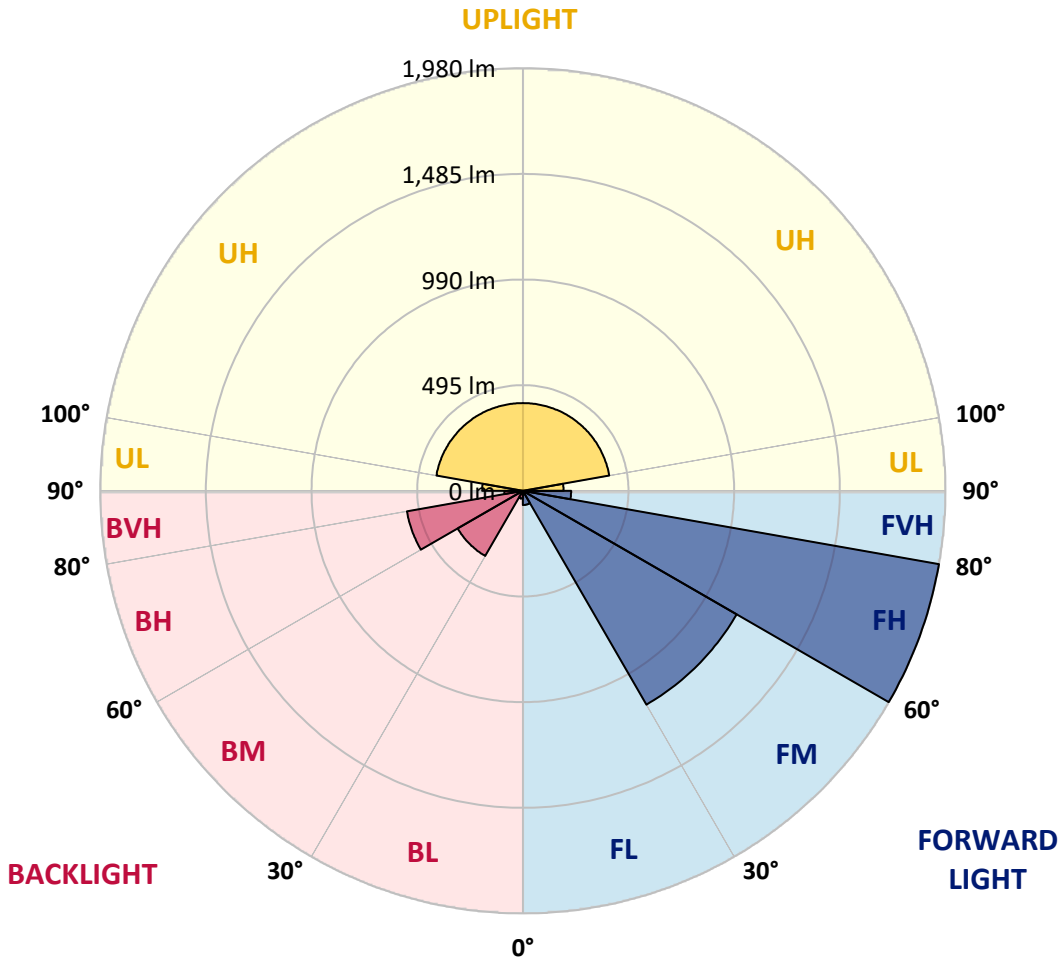
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	66.9	1.3			
FM	(30°-60°)	1156.8	22.9			
FH	(60°-80°)	1979.6	39.1			G2/5000
FVH	(80°-90°)	226.2	4.5			G3/500
BL	(0°-30°)	36.8	0.7	B0/110		
BM	(30°-60°)	352.3	7.0	B1/1000		
BH	(60°-80°)	551.4	10.9	B2/1000		G2/1000
BVH	(80°-90°)	87.3	1.7			G1/100
UL	(90°-100°)	190.7	3.8		U3/500	
UH	(100°-180°)	411.2	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°	164.1	164.1	164.1	164.1	164.1	164.1	*164.1*	164.1	164.1	164.1	164.1
2.5°	98.0	98.7	109.7	118.2	128.8	125.8	*125.8*	149.1	164.5	187.1	185.1
5°	104.9	100.4	102.5	110.0	124.4	131.2	*123.7*	98.0	81.2	88.1	96.3
7.5°	114.8	113.8	111.4	104.2	98.7	113.4	*134.0*	119.3	90.1	75.7	72.6
10°	117.5	117.9	117.2	117.9	120.6	114.1	*102.5*	93.2	90.5	89.1	88.1
12.5°	142.2	141.9	143.2	141.5	135.0	127.1	*129.5*	122.7	109.3	100.1	97.7
15°	165.9	165.2	164.8	158.3	147.7	135.0	*128.8*	131.9	123.4	112.7	107.9
17.5°	175.5	175.5	168.6	159.3	152.8	143.9	*139.1*	135.7	129.2	122.3	116.5
20°	171.7	171.3	164.5	160.7	161.4	157.3	*153.2*	148.0	141.5	130.6	123.4
22.5°	169.6	169.6	167.2	166.2	172.0	170.7	*169.6*	163.1	154.6	138.4	129.2
25°	183.0	182.0	178.9	178.9	184.4	188.8	*190.5*	185.4	171.3	147.0	138.4
27.5°	196.0	195.7	191.6	192.6	196.0	204.9	*207.7*	205.3	186.1	154.2	146.7
30°	211.8	209.4	206.0	212.1	211.4	223.8	*227.5*	230.3	206.0	168.9	160.0
32.5°	228.6	227.2	224.5	232.3	235.1	246.4	*249.5*	263.2	233.0	195.3	186.1
35°	257.0	256.0	263.2	278.6	278.3	299.5	*291.3*	311.8	283.4	243.0	233.7
37.5°	385.2	379.4	371.1	356.4	355.4	384.8	*375.6*	391.7	351.6	294.7	284.4
40°	400.9	399.9	396.1	379.4	369.8	420.1	*426.3*	473.9	407.8	342.7	322.8
42.5°	391.7	393.1	443.4	454.1	434.5	496.6	*506.8*	590.4	471.2	415.7	379.4
45°	472.2	474.3	490.7	498.3	496.9	652.8	*678.2*	780.6	582.2	518.1	451.0
47.5°	540.8	533.6	563.4	620.9	660.4	836.5	*918.1*	1075.3	782.4	687.8	563.4
50°	742.9	741.2	813.2	876.2	915.3	1203.5	*1454.7*	1627.4	1146.6	997.2	786.1
52.5°	880.0	938.3	1007.2	1153.1	1188.4	1637.7	*1977.6*	2116.1	1584.6	1309.7	1073.3
55°	1019.1	1103.1	1180.2	1407.4	1524.6	2127.7	*2514.6*	2552.7	2081.1	1592.5	1354.3
57.5°	1277.9	1419.4	1469.1	1650.4	1821.7	2692.5	*3205.5*	3165.0	2593.1	1920.4	1668.2
60°	1511.9	1682.2	1667.9	1845.4	2065.7	3152.7	*3644.1*	3601.6	3061.6	2211.7	1909.4
62.5°	1590.4	1762.1	1742.6	1935.8	2217.5	3399.4	*3883.3*	3810.7	3368.3	2398.5	2043.1
65°	*1627.1*	*1809.4*	*1799.8*	*1980.0*	*2217.5*	*3435.1*	*4029.0*	*3929.6*	*3453.9*	*2470.4*	*2107.5*
67.5°	1594.9	1770.7	1776.8	1936.9	2087.0	3177.7	*3830.2*	3695.2	3239.4	2297.7	1992.4
70°	1394.0	1517.1	1501.6	1646.6	1661.3	2543.8	*3178.8*	3031.7	2631.8	1916.0	1648.7
72.5°	1151.8	1181.6	1168.9	1260.4	1277.5	1863.2	*2375.8*	2292.6	1965.3	1425.6	1259.7
75°	918.4	913.6	939.6	960.9	943.1	1367.7	*1881.3*	1786.8	1454.0	1073.6	969.5
77.5°	635.3	598.7	667.2	673.7	645.6	909.5	*1387.9*	1351.9	1042.1	791.3	714.5
80°	357.1	361.2	410.2	439.3	429.0	578.8	*965.7*	942.0	711.8	553.1	491.4
82.5°	275.5	287.9	310.8	332.7	318.4	442.7	*653.2*	654.9	520.5	404.0	369.1
85°	302.9	309.4	312.5	313.2	301.9	411.6	*541.4*	534.2	442.1	338.2	327.3
87.5°	295.4	302.2	303.3	303.6	293.7	392.0	*512.7*	501.3	421.5	324.9	308.1
90°	253.2	264.9	266.3	275.2	263.5	350.2	*451.3*	440.0	380.0	293.0	277.2
92.5°	217.6	223.8	230.3	240.9	228.6	305.0	*404.0*	390.0	340.3	264.9	243.3
95°	199.1	202.5	208.0	212.1	197.7	259.1	*337.9*	323.2	276.2	213.2	194.0
97.5°	160.0	163.1	165.5	170.7	160.7	205.3	*262.2*	248.4	216.6	169.6	155.2
100°	136.7	138.8	141.5	145.0	136.7	172.0	*215.2*	209.0	180.3	143.2	134.0
102.5°	125.1	126.8	131.6	131.6	126.5	157.3	*192.2*	187.4	162.1	129.9	123.7
105°	120.6	121.0	125.1	123.4	119.9	146.7	*179.2*	173.1	151.8	123.4	116.2
107.5°	114.8	115.1	120.3	117.5	114.8	136.0	*162.4*	159.7	140.5	115.1	109.0
110°	109.0	110.0	116.5	114.1	112.4	127.8	*152.2*	147.0	134.3	111.4	106.2

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REPORT NUMBER: P981457
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	104.5	105.2	111.4	109.7	108.3	122.3	*141.2*	141.2	131.2	111.4	104.5
115°	100.7	102.1	107.3	103.8	101.4	115.1	*130.2*	130.9	122.7	106.2	99.4
117.5°	94.2	97.3	100.1	101.4	98.7	110.3	*123.7*	123.0	118.6	102.5	97.7
120°	107.3	104.9	106.9	109.3	104.9	114.1	*125.4*	125.4	121.0	100.7	96.6
122.5°	112.1	108.6	110.7	108.3	107.9	119.9	*134.0*	135.0	125.8	103.8	93.6
125°	99.4	98.0	95.6	94.9	97.7	109.0	*121.7*	126.1	116.2	99.4	87.4
127.5°	85.0	83.3	80.2	81.9	87.0	98.4	*104.9*	107.3	103.1	92.2	83.3
130°	78.5	78.1	80.5	83.6	87.7	97.3	*99.4*	102.8	102.8	89.8	84.6
132.5°	71.6	72.0	79.5	90.1	93.2	95.3	*90.8*	97.3	100.4	91.5	85.7
135°	70.6	70.9	75.0	83.6	84.0	85.3	*85.7*	93.9	96.0	87.4	80.9
137.5°	77.1	77.1	74.0	75.7	79.5	89.8	*93.2*	99.7	98.0	82.6	73.0
140°	85.0	83.3	73.7	74.0	80.5	93.2	*97.7*	101.8	99.7	80.9	69.6
142.5°	70.3	70.9	72.6	79.2	86.7	115.5	*111.7*	122.0	117.9	85.7	67.9
145°	109.7	110.0	107.9	110.7	115.5	153.5	*141.9*	158.3	163.1	112.1	80.5
147.5°	119.9	121.3	117.5	115.1	128.8	140.5	*127.5*	141.2	150.4	117.5	86.4
150°	93.6	93.2	90.8	94.2	103.5	102.8	*96.0*	100.7	104.5	89.8	74.0
152.5°	66.5	65.5	64.1	64.4	75.4	72.6	*70.6*	74.7	74.7	68.9	59.3
155°	55.2	55.2	54.5	56.2	62.4	57.6	*55.9*	55.2	54.5	52.8	49.0
157.5°	46.6	47.6	46.6	48.7	52.8	48.3	*47.3*	46.3	46.6	46.6	45.6
160°	38.7	38.7	38.0	41.5	42.8	39.4	*37.7*	37.0	37.0	39.1	39.1
162.5°	32.6	32.6	32.9	34.3	35.3	32.9	*31.9*	31.9	32.9	36.0	36.0
165°	28.1	28.1	28.4	29.5	30.2	28.8	*28.1*	28.4	31.2	33.9	33.9
167.5°	25.7	25.7	25.7	26.0	26.4	25.7	*25.7*	27.1	29.5	31.2	31.2
170°	24.3	24.3	24.0	24.3	24.3	24.3	*25.7*	27.1	28.1	28.1	28.1
172.5°	24.7	24.7	24.3	24.7	24.7	24.3	*26.0*	27.8	27.1	26.7	26.7
175°	25.4	25.4	25.4	25.7	25.7	25.0	*24.7*	25.4	26.0	26.0	25.7
177.5°	25.4	25.4	25.0	25.4	25.0	24.3	*24.0*	23.6	23.6	23.3	23.3
180°	23.6	23.6	23.6	23.6	23.6	23.6	*23.6*	23.6	23.6	23.6	23.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1
2.5°	167.6	144.6	127.5	140.8	170.3	185.1	170.3	129.5	91.2	79.8
5°	100.4	97.7	88.1	86.0	89.8	86.4	96.0	90.8	72.0	72.6
7.5°	75.0	90.8	87.7	62.7	58.6	54.8	57.9	66.1	68.2	63.7
10°	87.0	78.5	68.5	63.7	69.6	75.0	71.3	62.0	53.5	51.1
12.5°	96.0	95.3	96.3	86.4	70.9	65.5	63.4	68.2	82.9	86.4
15°	103.1	95.3	88.1	86.0	75.7	70.3	67.5	66.1	63.4	61.3
17.5°	110.3	97.3	89.4	81.6	76.4	71.3	65.5	62.4	62.0	62.4
20°	115.1	103.1	93.9	85.0	78.5	71.6	65.8	63.1	63.1	63.1
22.5°	121.0	109.3	99.4	88.1	80.5	73.0	68.2	65.5	65.1	65.1
25°	130.6	117.5	105.9	93.6	85.3	78.5	72.0	68.5	67.5	67.2
27.5°	141.5	127.1	113.1	100.4	91.8	84.3	75.7	70.6	69.2	68.9
30°	155.6	139.1	121.3	107.9	97.3	90.1	79.8	73.7	70.9	70.6
32.5°	178.5	156.9	133.6	118.9	106.2	96.6	85.3	77.8	73.3	72.3
35°	222.7	196.4	161.4	140.2	119.9	104.9	90.1	80.2	75.7	75.0
37.5°	272.1	232.0	198.1	173.4	148.7	123.4	97.7	84.0	78.5	77.4
40°	293.3	255.3	219.3	180.6	175.1	155.2	119.9	93.2	82.2	80.5
42.5°	339.9	285.8	237.1	159.7	172.4	171.3	148.0	114.1	92.5	88.4
45°	400.3	325.2	263.9	170.7	173.7	167.6	151.8	131.9	112.4	107.9
47.5°	498.6	363.6	272.4	191.9	195.3	180.6	159.0	139.1	125.1	123.4
50°	712.1	476.3	304.0	232.3	243.3	209.4	182.7	165.5	148.7	145.6
52.5°	968.1	564.4	336.5	289.9	329.3	280.7	240.2	208.7	207.7	203.6
55°	1237.8	598.3	379.7	353.3	414.6	372.5	333.1	304.3	319.0	320.4
57.5°	1540.7	634.7	442.1	436.2	518.1	451.0	417.7	425.6	530.1	570.9
60°	1742.6	664.5	495.9	504.8	612.7	547.3	522.3	539.7	717.2	791.6
62.5°	1832.3	649.4	522.3	537.7	653.5	605.9	601.8	611.0	761.4	831.0
65°	*1844.7*	*627.1*	*536.6*	*550.0*	*660.7*	*612.0*	*594.6*	*581.5*	*681.6*	*722.4*
67.5°	1693.2	579.8	525.3	539.4	628.1	569.9	526.4	496.9	554.8	558.9
70°	1377.9	517.8	487.0	492.1	536.6	477.0	435.9	410.5	423.9	418.4
72.5°	1068.5	456.5	433.8	421.8	435.2	384.2	335.5	322.5	335.1	329.3
75°	811.8	407.8	382.8	342.3	364.3	295.7	241.6	229.9	235.4	227.5
77.5°	597.0	328.6	299.5	253.2	283.4	214.5	163.1	151.1	153.2	145.6
80°	435.6	243.0	219.0	181.6	204.2	152.5	117.9	115.8	115.5	110.7
82.5°	336.5	192.9	175.1	156.3	160.0	134.7	111.7	108.3	108.3	101.1
85°	312.2	186.8	168.6	155.2	156.3	130.6	106.2	104.2	105.2	97.7
87.5°	291.6	182.7	167.9	151.8	143.9	118.2	95.6	98.0	98.7	92.2
90°	250.2	162.4	149.1	133.6	124.4	100.4	85.7	90.1	90.8	85.0
92.5°	219.3	139.5	128.2	116.2	112.1	94.2	82.2	85.7	85.7	80.5
95°	174.8	114.1	109.0	103.1	102.1	88.1	76.8	78.5	77.8	73.3
97.5°	142.2	99.0	94.6	89.1	85.7	75.4	67.5	69.2	69.6	66.5
100°	125.1	91.5	85.3	79.2	75.7	67.9	61.7	64.8	66.8	64.1
102.5°	116.9	87.4	80.5	74.0	71.3	64.1	58.3	61.0	63.7	61.3
105°	111.0	84.3	77.1	71.3	67.9	60.7	54.8	55.5	58.9	57.6
107.5°	103.5	84.3	75.0	69.2	65.1	58.6	51.7	51.1	53.1	52.8
110°	100.7	84.3	73.7	67.9	63.4	57.6	51.4	48.7	49.7	49.7

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

Scaled Data Report

REPORT NUMBER: P981457
CATALOG NUMBER: FFX-CLB-40-722-U-FR-T3-UPLR

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	98.4	83.6	72.3	65.5	61.7	56.9	50.7	46.6	47.6	48.3
115°	92.9	77.1	68.2	61.0	57.2	52.1	48.0	44.9	45.2	45.9
117.5°	89.8	71.3	66.1	59.6	56.9	53.8	50.0	44.2	44.2	44.9
120°	89.8	70.3	67.9	65.5	64.1	58.9	52.8	44.2	43.2	43.2
122.5°	88.4	78.1	74.0	68.5	64.8	57.9	50.4	43.2	42.5	42.5
125°	81.2	74.7	68.2	61.7	57.2	51.7	47.3	43.5	42.2	42.2
127.5°	77.4	67.2	61.0	55.9	52.8	50.0	47.3	43.5	41.8	41.5
130°	78.5	67.9	60.0	55.9	53.5	50.7	47.6	42.8	40.1	39.8
132.5°	79.2	65.5	57.9	54.5	52.8	50.7	46.6	40.4	37.4	37.4
135°	71.6	58.9	55.5	53.1	52.1	50.4	44.2	38.4	36.0	35.6
137.5°	65.1	57.2	54.8	52.4	50.7	48.3	43.5	37.7	34.6	34.3
140°	62.4	55.9	52.4	48.0	45.9	41.1	37.7	34.3	33.2	32.9
142.5°	59.3	52.4	48.3	44.5	43.5	41.8	39.8	34.3	30.8	30.8
145°	70.9	63.1	58.3	54.5	49.7	46.3	39.8	32.9	28.4	27.8
147.5°	74.4	67.2	62.4	57.2	48.3	40.8	33.6	28.8	27.1	26.4
150°	65.1	58.9	53.8	48.3	40.4	35.3	30.5	27.4	26.7	26.7
152.5°	51.7	48.3	42.8	39.1	33.9	30.8	28.1	26.4	25.7	25.7
155°	42.8	40.1	37.0	33.9	31.2	29.1	27.4	26.0	25.4	25.4
157.5°	41.5	37.4	34.6	31.9	30.2	28.1	26.7	25.4	25.0	24.7
160°	37.7	32.9	30.5	28.8	28.4	27.8	26.7	25.7	25.4	25.0
162.5°	35.0	30.2	28.4	27.4	28.4	29.1	28.4	27.1	26.0	25.7
165°	32.9	28.4	27.1	27.1	29.1	30.2	28.4	27.1	27.1	26.7
167.5°	30.5	29.1	27.4	27.1	28.8	30.8	31.2	28.8	27.8	27.4
170°	28.4	28.8	28.8	27.8	28.1	29.8	30.5	29.8	28.4	28.1
172.5°	27.1	27.8	29.1	28.4	28.4	29.1	29.8	29.1	28.1	27.8
175°	25.7	26.0	25.4	25.7	26.7	27.8	27.4	27.1	26.7	26.7
177.5°	23.3	23.3	23.6	23.6	24.0	25.0	25.4	25.4	26.0	26.0
180°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6

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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

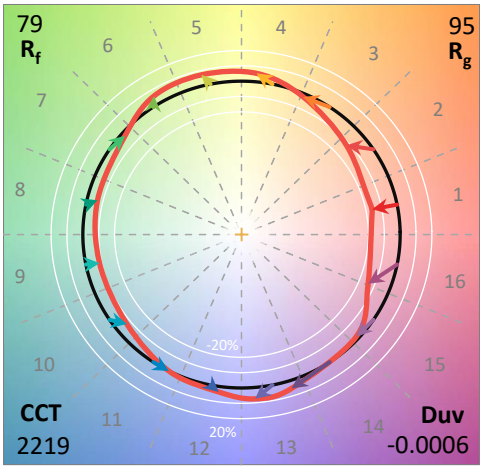
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

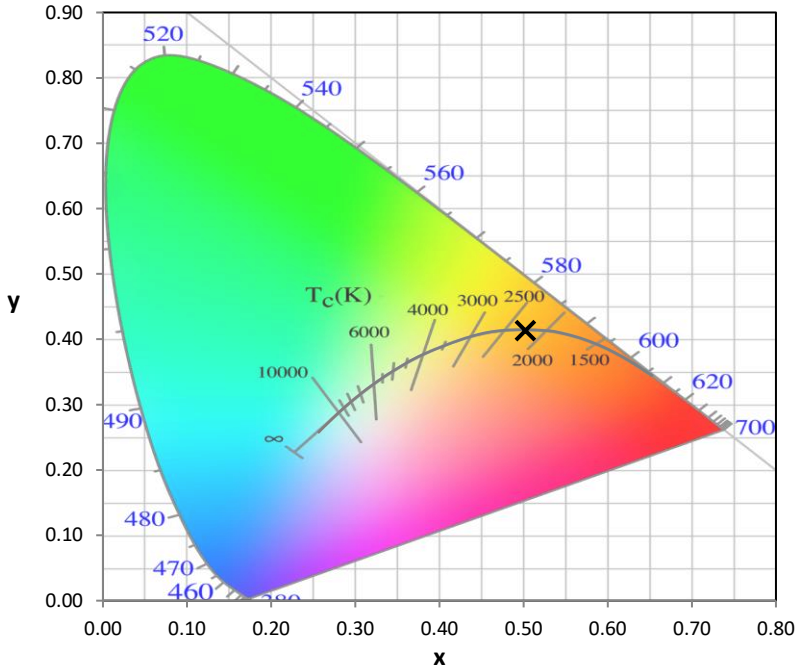
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

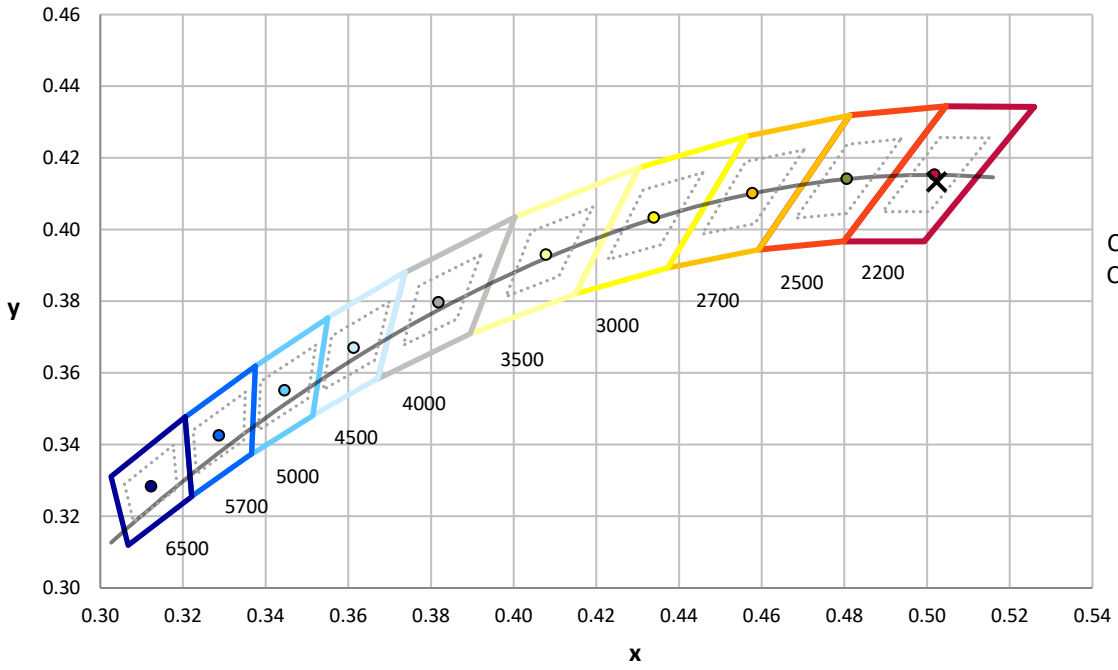
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

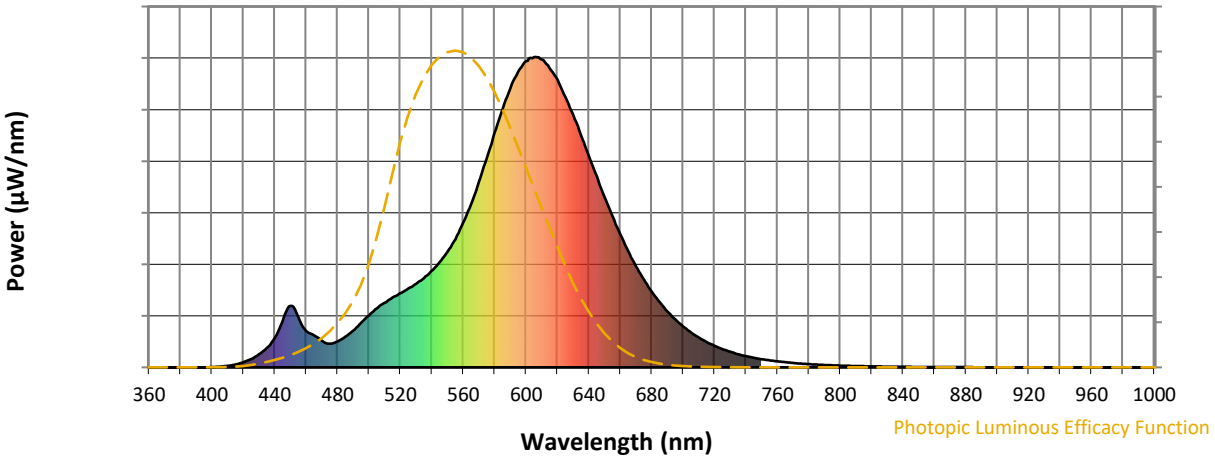


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

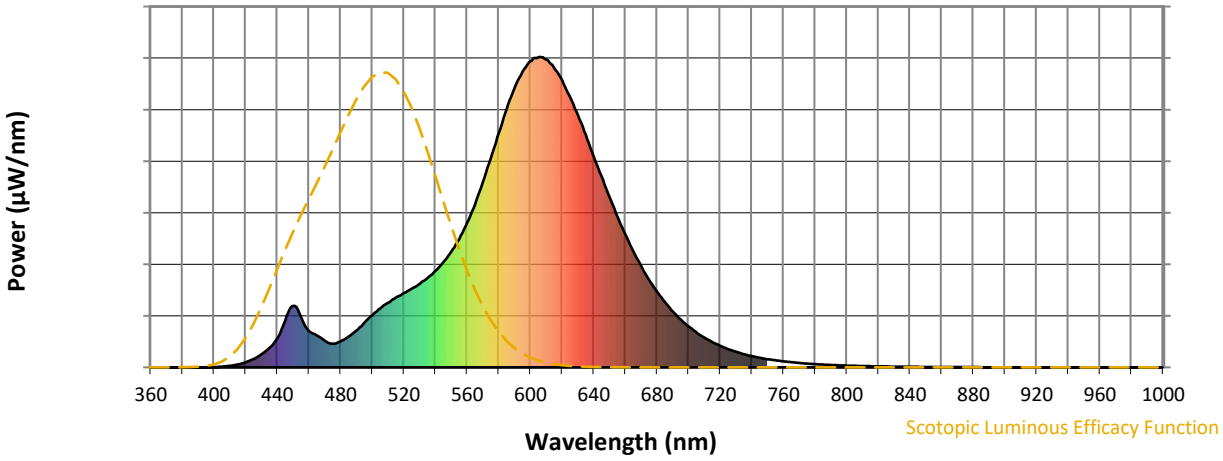


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

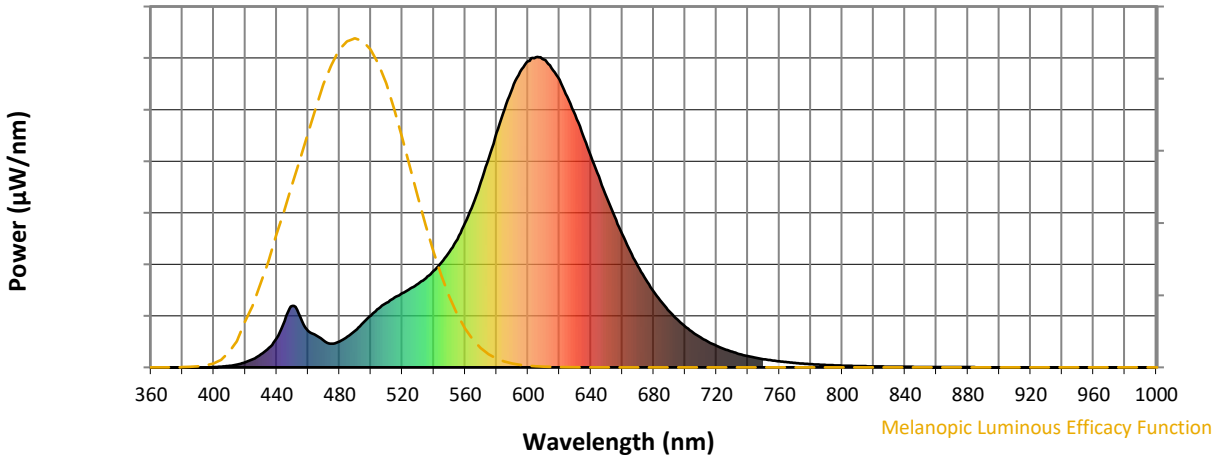


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

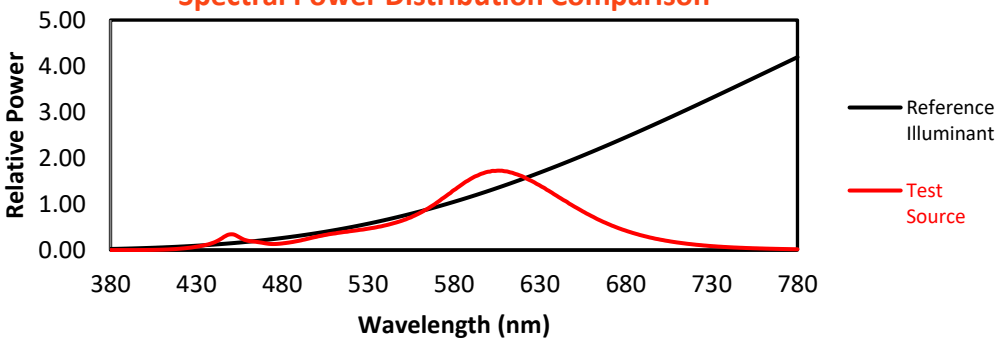
REPORT NUMBER: SP1-2501-332-2

TM-30-18

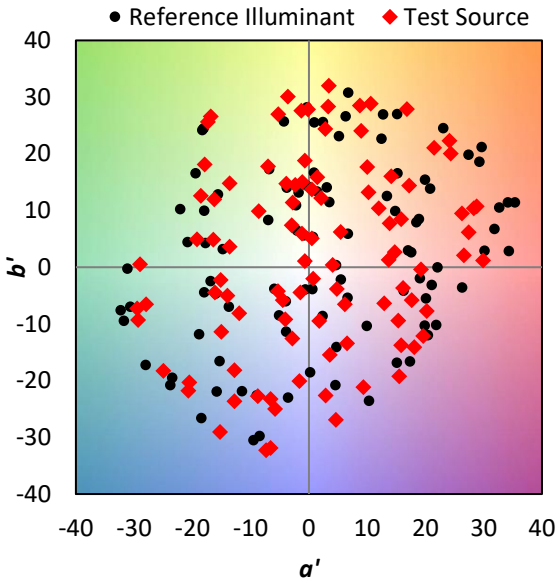
Summary

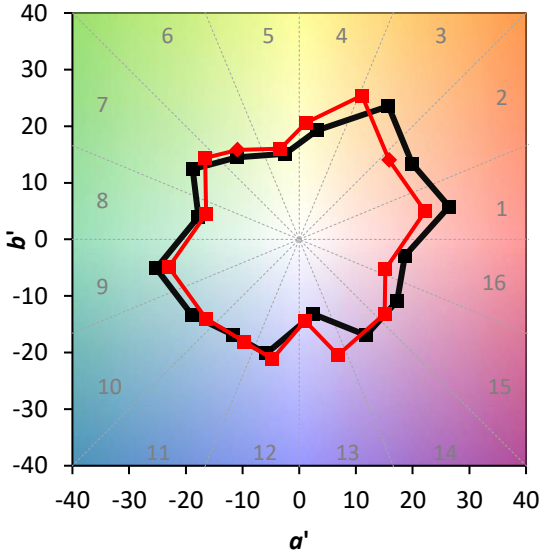
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

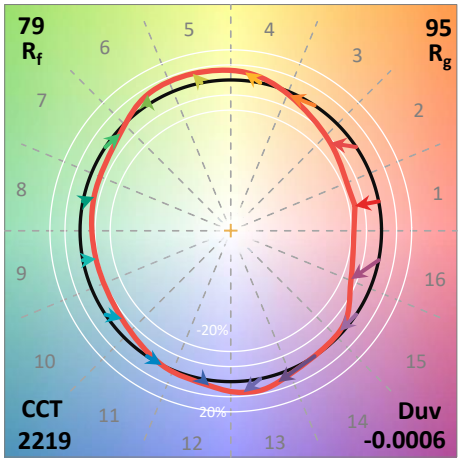
Spectral Power Distribution Comparison

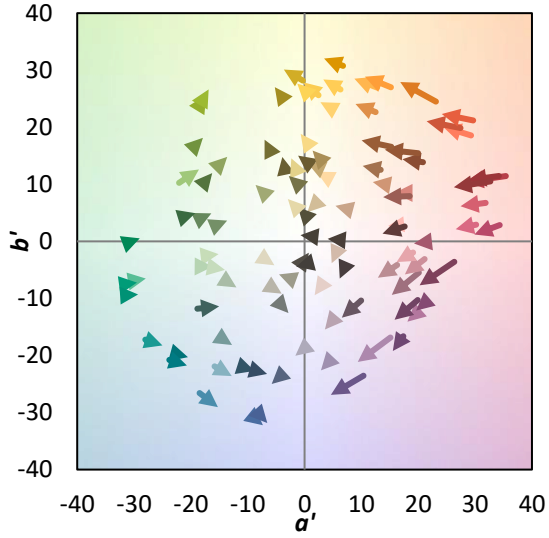


Color Vector Graphics







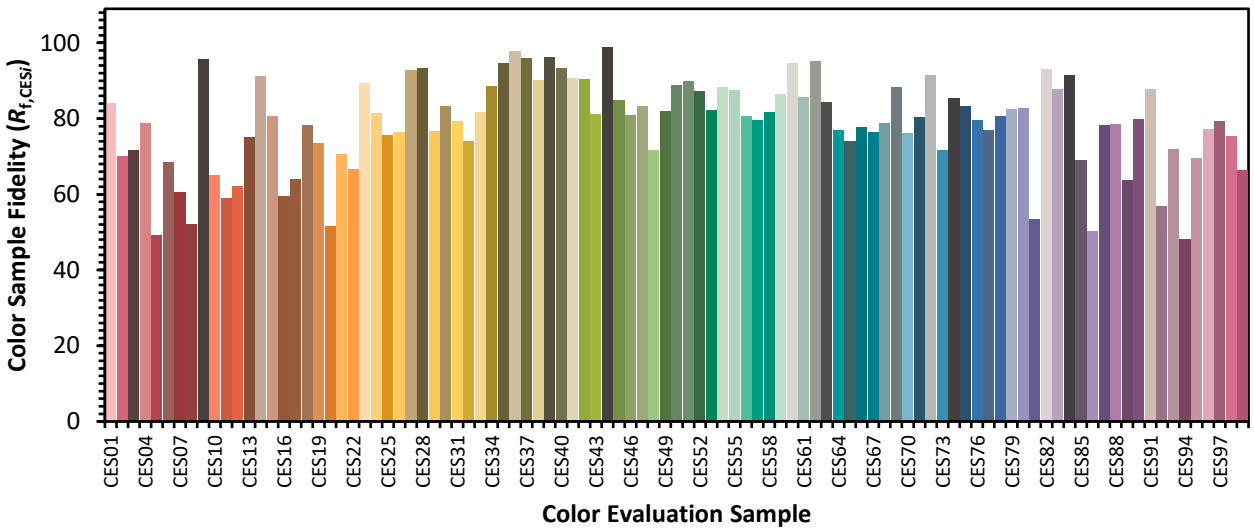


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

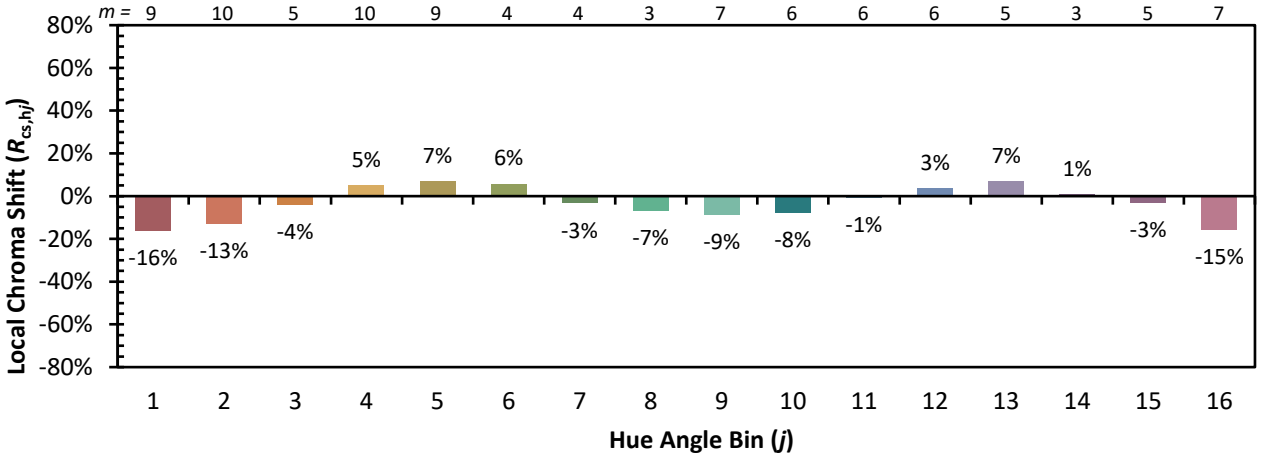
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

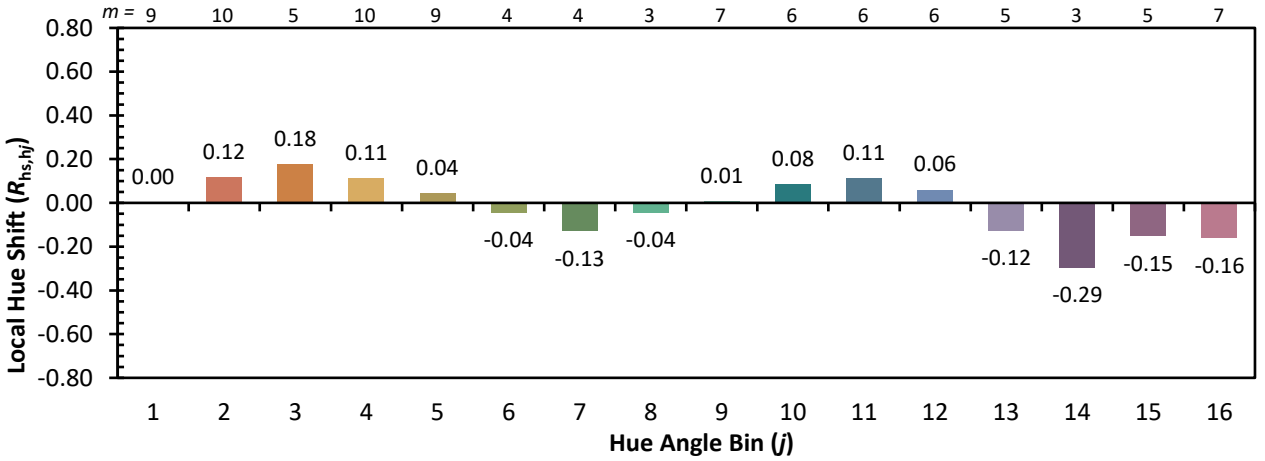


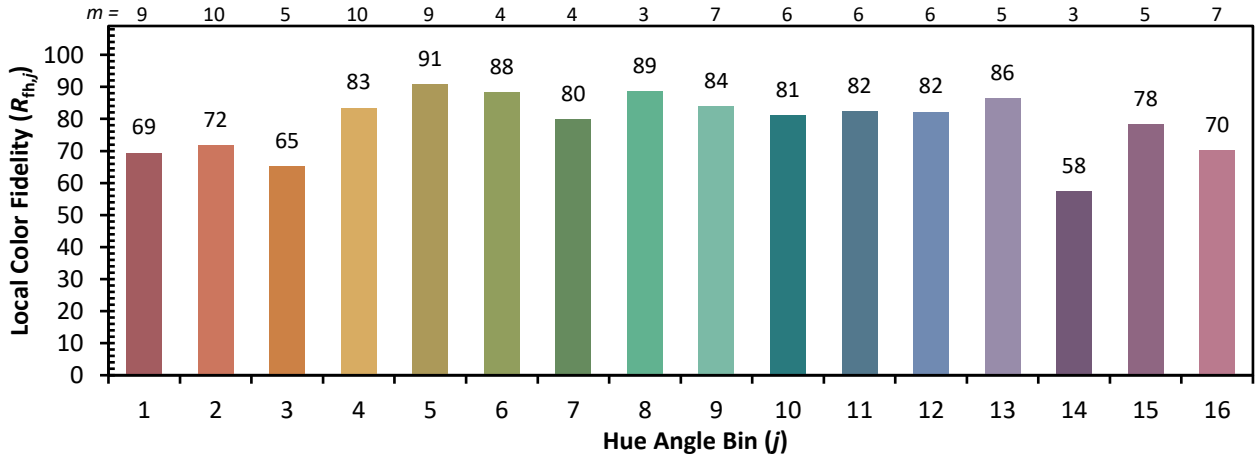
REPORT NUMBER: SP1-2501-332-2

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Color Rendition by Hue-Angle Bin



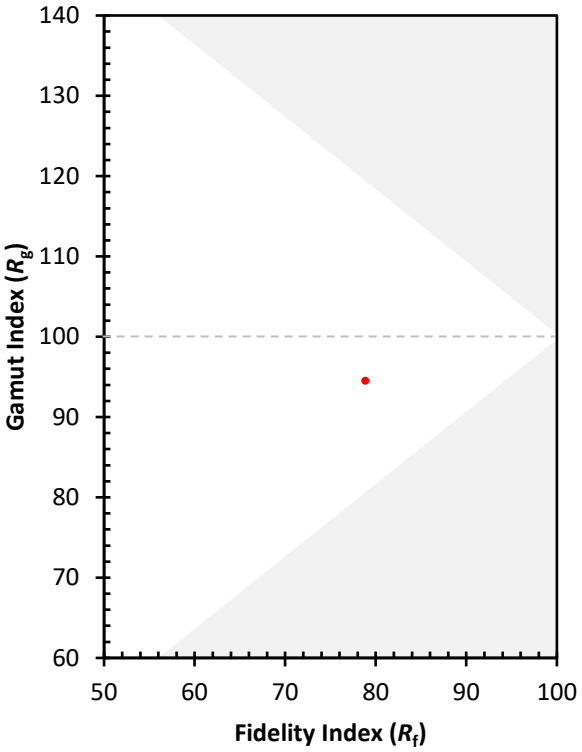


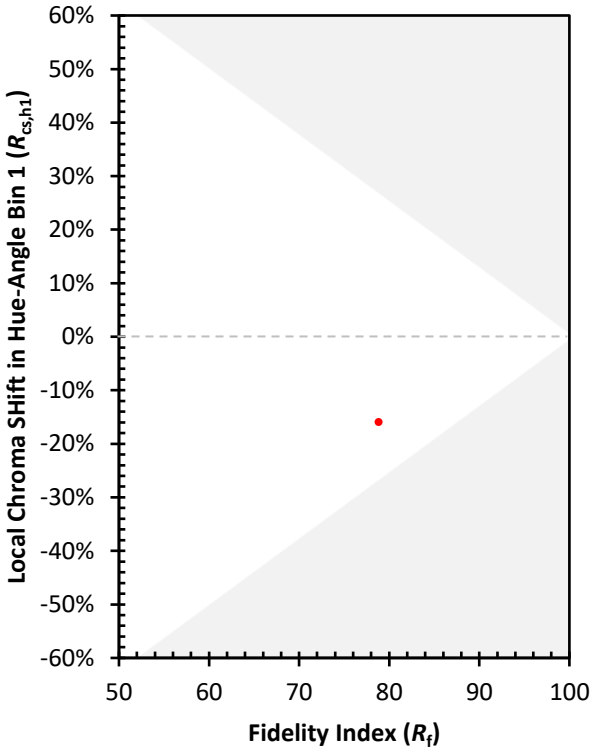


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Measure Comparisons





(END OF REPORT)