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: P981412

Luminaire Tested: **FFX-CLB-40-722-U-FR-T3**

Issue Date: 04/15/2025

Report Generated By 670245763

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1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981412
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
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5204.8 lumens
Efficiency:	N/A
Efficacy:	132.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U4 - G2

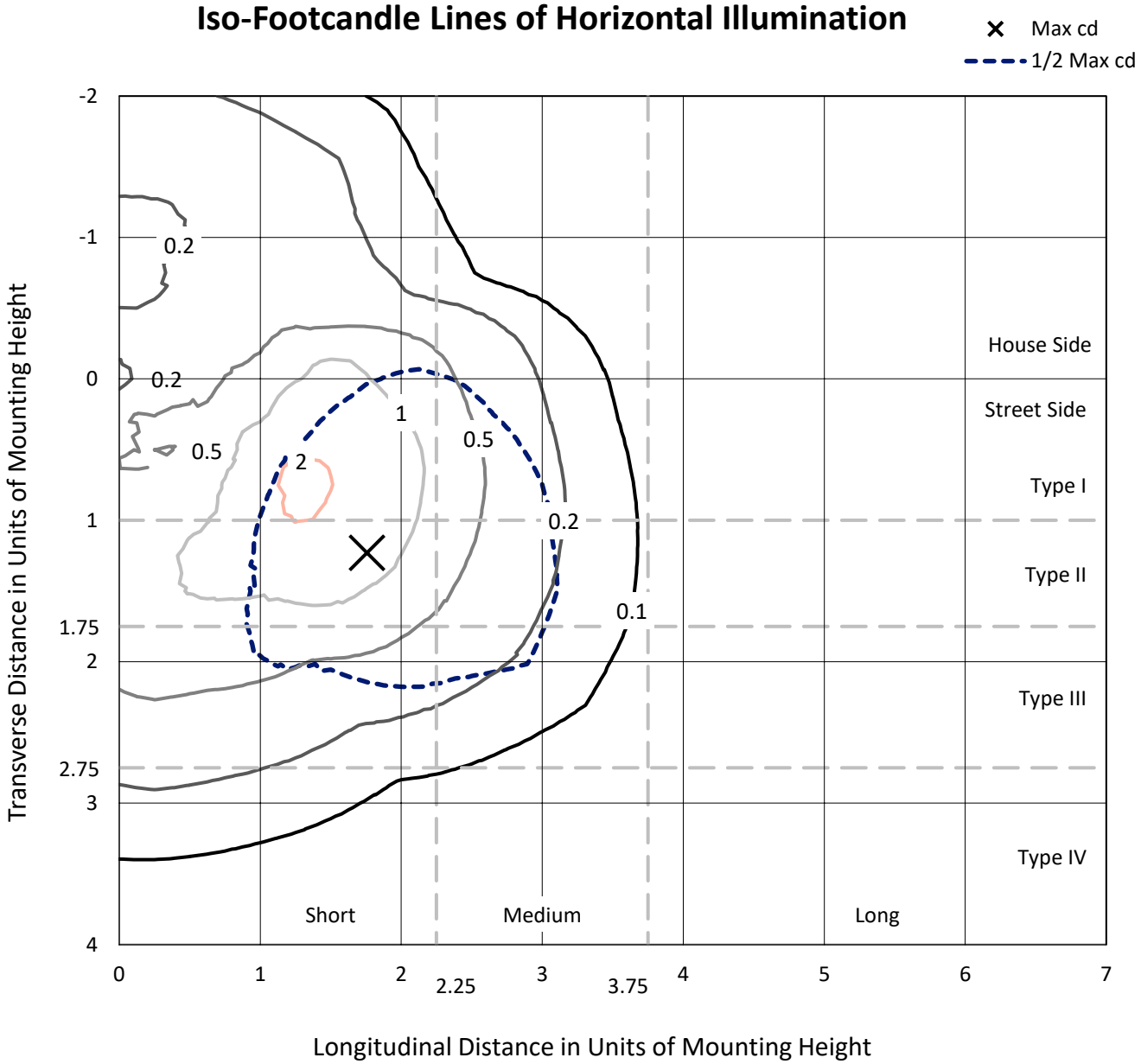
Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



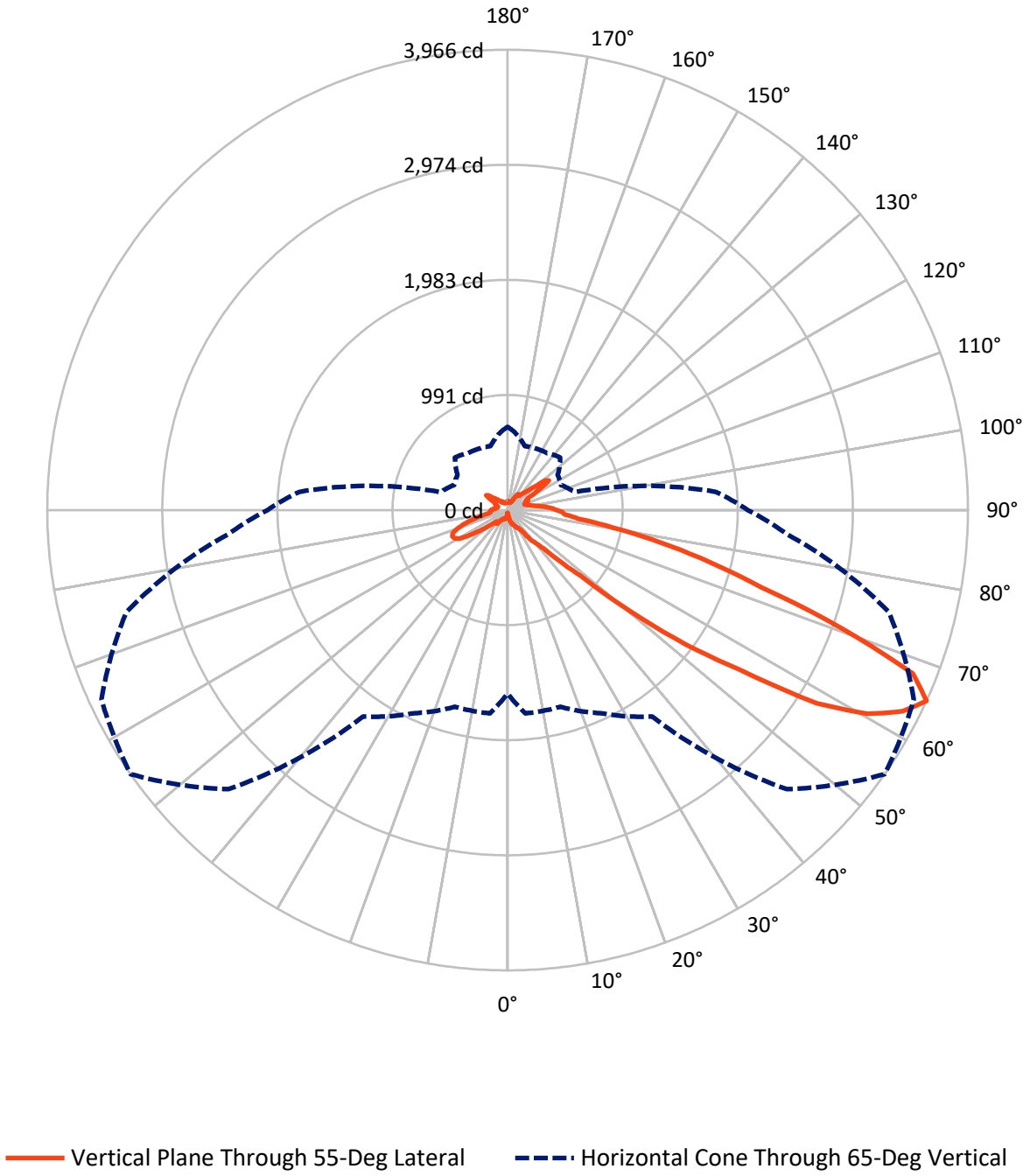
Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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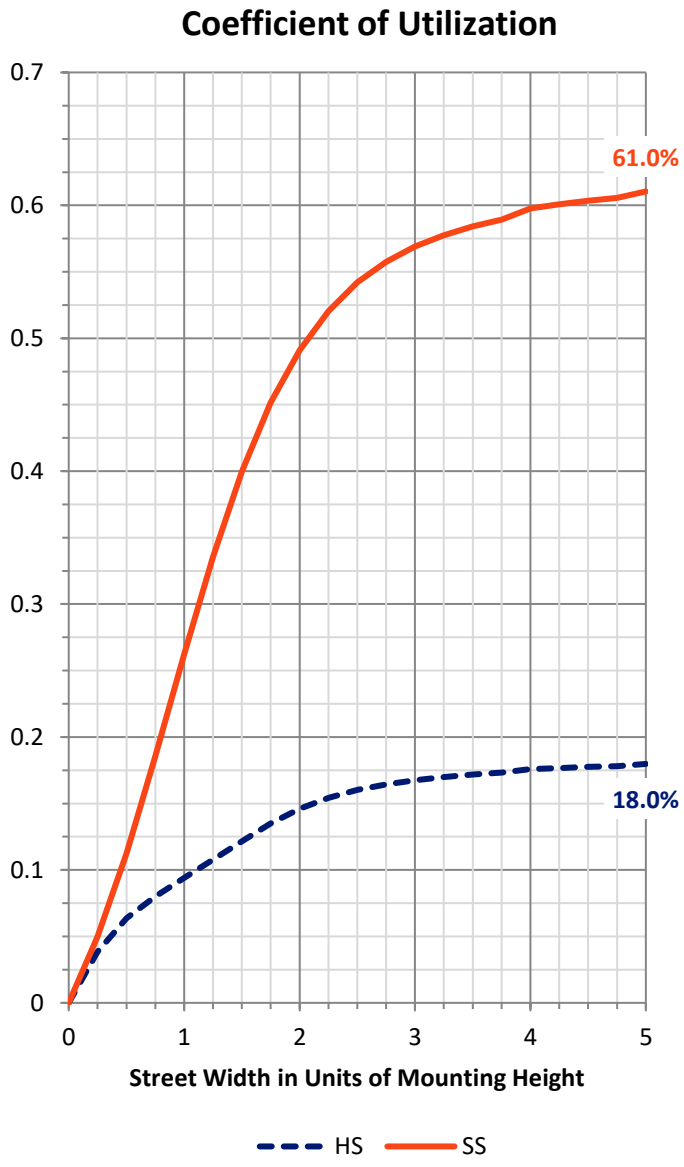
REPORT NUMBER: P981412
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	975.6	349.5	1325.1
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	3280.1	599.6	3879.7
	% Fixture	63.0	11.5	74.5
Total	Lumens	4255.7	949.1	5204.8
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	26.5	0.5
20°-30°	54.3	1.0
30°-40°	113.8	2.2
40°-50°	300.5	5.8
50°-60°	999.9	19.2
60°-70°	1612.9	31.0
70°-80°	846.1	16.3
80°-90°	296.9	5.7
90°-100°	191.7	3.7
100°-110°	124.3	2.4
110°-120°	136.3	2.6
120°-130°	229.3	4.4
130°-140°	134.3	2.6
140°-150°	71.9	1.4
150°-160°	35.7	0.7
160°-170°	18.8	0.4
170°-180°	6.8	0.1
0°-90°	4255.7	81.8
0°-180°	5204.8	100.0



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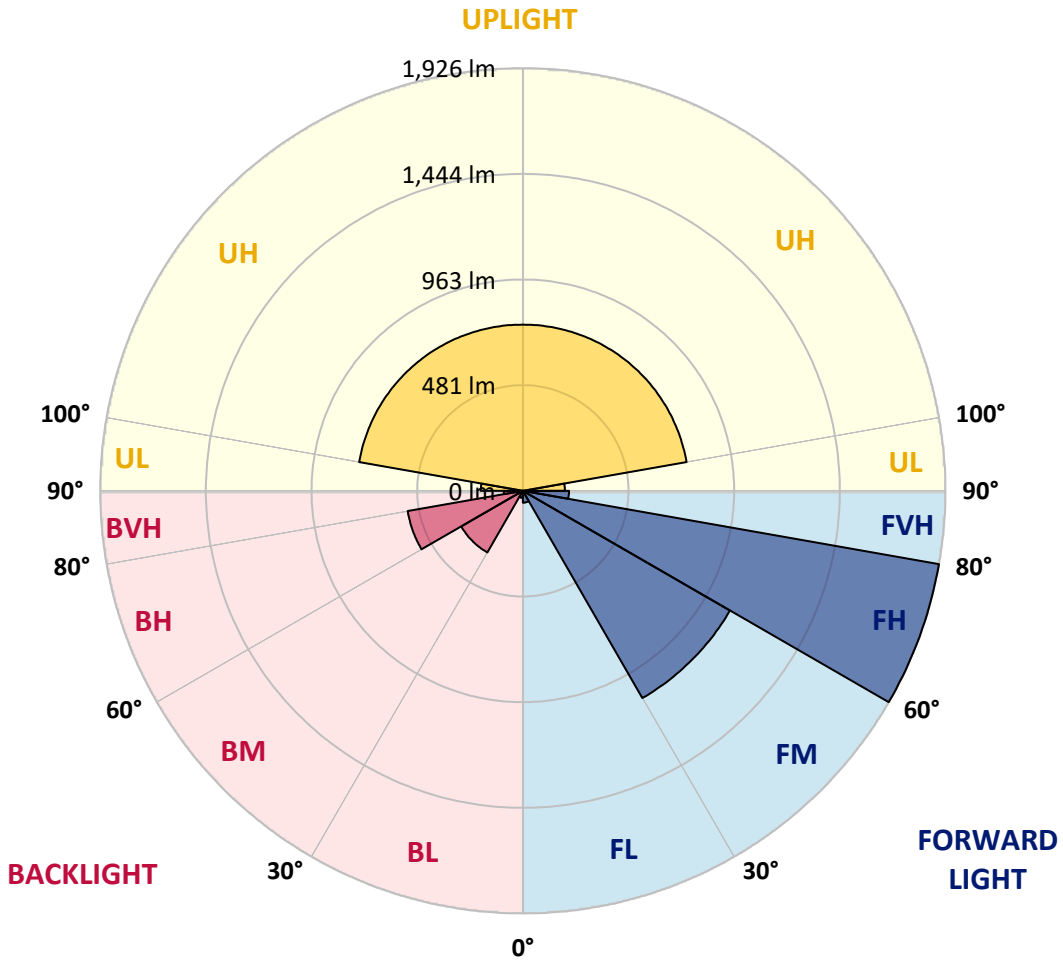
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	54.0	1.0			
FM	(30°-60°)	1090.0	20.9			
FH	(60°-80°)	1925.9	37.0			G2/5000
FVH	(80°-90°)	210.2	4.0			G2/225
BL	(0°-30°)	31.6	0.6	B0/110		
BM	(30°-60°)	324.2	6.2	B1/1000		
BH	(60°-80°)	533.1	10.2	B2/1000		G2/1000
BVH	(80°-90°)	86.7	1.7			G1/100
UL	(90°-100°)	191.7	3.7		U3/500	
UH	(100°-180°)	757.4	14.6		U4/1000	

BUG Rating: B2-U4-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
2.5°	29.5	30.2	31.9	32.6	32.9	32.2	30.8	32.2	32.2	32.2	31.9
5°	42.8	42.8	42.8	43.9	44.2	44.9	44.2	42.5	41.1	39.8	39.4
7.5°	60.0	60.7	61.0	61.0	61.0	62.4	63.7	60.7	57.9	55.2	54.5
10°	86.0	84.3	82.6	83.3	81.9	79.2	80.5	78.1	72.0	69.9	69.9
12.5°	110.0	109.7	110.4	106.6	104.5	98.7	99.4	98.0	93.6	86.4	84.0
15°	123.4	124.4	124.1	125.4	122.4	114.1	112.1	112.8	108.6	101.8	98.4
17.5°	130.2	130.2	130.6	132.3	132.3	124.4	121.0	119.3	115.8	110.0	105.6
20°	133.7	133.7	133.3	135.7	140.5	136.1	131.3	128.5	125.4	116.2	109.3
22.5°	143.3	142.6	141.6	142.2	149.4	148.1	144.3	140.2	135.7	121.7	113.1
25°	153.2	153.5	150.5	151.5	158.7	160.7	157.7	153.5	148.4	127.2	118.6
27.5°	164.5	164.2	160.1	161.4	165.2	172.7	169.0	166.9	158.3	131.6	123.4
30°	174.8	173.1	169.0	172.4	172.4	184.4	181.0	182.0	171.4	139.8	130.9
32.5°	182.3	182.0	179.6	184.0	181.7	197.1	196.0	204.6	188.8	155.9	147.7
35°	199.5	199.8	209.8	218.3	214.2	236.8	241.6	252.6	233.4	196.0	187.1
37.5°	322.9	318.7	305.0	289.3	291.3	333.5	327.7	333.5	304.0	250.2	236.1
40°	340.0	341.0	325.3	313.3	311.5	365.4	374.3	421.6	359.9	299.9	272.1
42.5°	331.1	334.5	377.7	393.1	379.4	448.0	450.7	541.9	419.9	369.8	333.1
45°	419.9	420.5	429.4	439.4	441.1	611.8	621.4	722.1	534.0	465.8	403.7
47.5°	477.8	483.3	495.6	563.5	599.4	782.1	846.2	1006.3	711.2	635.1	512.7
50°	675.5	690.6	751.6	809.9	866.1	1159.8	1375.4	1566.3	1068.3	930.9	745.1
52.5°	823.3	877.4	945.6	1086.1	1145.4	1585.2	1923.8	2042.0	1496.4	1261.6	1015.2
55°	951.4	1050.8	1124.5	1354.5	1467.3	2066.7	2427.9	2445.1	2008.1	1539.9	1301.7
57.5°	1215.3	1360.3	1408.3	1605.0	1762.0	2640.1	3141.9	3057.6	2530.4	1856.9	1607.4
60°	1463.8	1630.7	1612.9	1794.2	2001.9	3133.3	3564.5	3521.6	3019.9	2157.2	1874.8
62.5°	1544.7	1714.0	1698.9	1889.5	2168.8	3363.3	3818.1	3747.1	3308.8	2345.0	2009.1
65°	1580.0	1758.6	1754.5	1932.7	2170.9	3399.9	3965.8	3860.2	3399.6	2420.7	2068.1
67.5°	1549.9	1719.9	1718.1	1882.3	2012.6	3134.0	3766.0	3610.4	3175.8	2242.5	1940.9
70°	1337.4	1455.6	1448.4	1549.2	1617.4	2491.0	3056.2	2938.6	2563.0	1842.9	1607.8
72.5°	1090.6	1125.5	1140.6	1198.2	1216.4	1823.0	2291.9	2198.3	1911.1	1380.2	1219.1
75°	870.9	872.6	888.4	908.6	902.4	1341.1	1805.2	1747.3	1409.3	1029.6	924.7
77.5°	576.5	572.0	641.3	649.5	610.1	854.4	1348.0	1307.2	1008.7	750.3	676.2
80°	330.7	332.1	379.4	409.2	393.5	542.9	923.7	914.8	692.7	525.1	464.4
82.5°	246.8	258.4	283.8	299.6	293.4	408.2	614.5	631.3	492.2	377.7	345.1
85°	274.9	281.4	284.1	285.2	277.6	381.8	496.3	495.3	413.7	317.0	306.1
87.5°	267.7	273.2	275.6	276.9	269.4	365.0	468.9	462.0	396.9	304.7	288.6
90°	225.2	237.9	237.5	249.5	240.9	320.8	411.3	406.8	360.2	280.7	261.9
92.5°	188.8	196.0	200.8	217.3	209.8	282.4	369.8	359.5	322.5	255.3	235.1
95°	176.5	183.0	186.8	196.0	186.8	244.0	311.5	302.3	267.7	212.8	193.3
97.5°	148.7	150.8	154.2	160.4	154.2	197.8	252.3	243.3	214.9	173.8	160.1
100°	126.1	128.2	132.6	137.1	134.0	169.3	211.1	206.3	184.7	151.1	141.9
102.5°	119.3	120.6	126.5	129.2	125.4	155.6	186.4	186.4	167.3	139.5	132.0
105°	113.8	115.5	120.0	121.0	118.2	143.3	172.1	170.3	155.3	130.6	123.4
107.5°	108.3	110.4	114.1	112.4	111.0	132.0	154.6	157.3	144.3	124.1	119.3
110°	114.1	114.8	117.9	115.2	117.6	131.3	155.3	155.9	152.2	135.4	130.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	155.3	151.5	158.0	147.7	155.6	165.2	*180.3*	185.8	181.3	162.1	157.7
115°	170.0	172.7	179.6	169.3	174.5	186.1	*193.3*	194.3	189.2	176.9	175.1
117.5°	132.6	146.3	139.2	145.3	147.4	163.5	*179.9*	184.7	179.9	162.8	173.4
120°	169.7	180.6	155.9	148.4	158.7	186.8	*201.9*	206.0	193.0	193.3	199.8
122.5°	281.4	287.6	303.0	310.9	298.9	316.0	*321.1*	324.9	305.0	281.7	270.1
125°	427.0	422.6	420.5	418.5	415.4	433.6	*437.0*	427.4	407.5	375.0	356.8
127.5°	386.3	390.0	395.9	395.2	392.4	406.5	*415.1*	409.2	403.7	372.6	361.9
130°	278.0	279.7	290.0	308.5	306.4	317.7	*318.7*	324.6	333.8	320.1	309.1
132.5°	230.3	232.0	247.5	255.7	256.4	256.7	*251.9*	265.3	274.9	261.2	251.9
135°	200.8	200.8	204.3	201.2	202.2	211.1	*215.2*	227.2	229.6	223.1	213.9
137.5°	177.5	178.2	171.0	165.2	166.2	182.3	*191.6*	200.8	196.0	182.7	176.2
140°	154.6	150.8	140.9	139.2	146.7	162.1	*167.6*	174.1	175.5	158.3	149.8
142.5°	113.8	112.4	116.9	126.1	130.2	155.9	*151.8*	164.2	164.9	136.1	122.0
145°	127.2	126.8	126.5	128.2	137.8	175.1	*165.2*	181.0	188.5	144.6	118.2
147.5°	143.6	143.3	140.2	136.4	150.8	160.1	*151.1*	164.9	173.1	143.6	114.5
150°	111.0	111.7	110.0	109.0	124.8	123.0	*121.0*	124.8	128.2	118.9	104.2
152.5°	86.4	85.0	84.0	84.3	97.3	95.3	*95.3*	98.0	98.4	94.9	87.4
155°	77.8	77.5	76.8	78.1	86.0	84.0	*82.3*	81.6	79.9	78.8	77.8
157.5°	73.0	72.3	72.3	74.4	79.9	76.4	*75.7*	75.1	74.0	74.0	74.4
160°	68.2	67.9	67.9	70.9	72.7	69.6	*68.9*	68.5	68.2	68.9	69.6
162.5°	65.5	65.5	65.5	67.5	67.5	65.5	*64.8*	64.4	64.8	67.2	67.5
165°	64.4	64.1	64.4	65.5	65.1	63.7	*63.4*	63.4	64.4	66.5	66.8
167.5°	66.1	66.1	66.1	66.5	66.1	64.8	*64.4*	64.4	65.5	67.2	67.2
170°	68.9	68.5	68.5	68.5	68.2	66.8	*66.1*	66.5	66.8	67.9	67.9
172.5°	71.3	71.3	70.9	70.6	69.9	69.2	*68.5*	68.5	68.5	68.9	68.9
175°	74.0	74.0	74.0	73.7	73.7	72.7	*72.3*	72.0	71.6	71.3	70.9
177.5°	77.1	76.8	76.8	76.8	76.8	75.7	*75.1*	74.7	74.0	73.7	73.7
180°	75.7	75.7	75.7	75.7	75.7	75.7	*75.7*	75.7	75.7	75.7	75.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
2.5°	31.9	30.8	29.1	26.0	25.0	24.0	23.0	20.9	19.9	19.2
5°	39.1	37.7	37.4	35.6	33.2	31.2	30.8	30.2	29.8	28.8
7.5°	55.9	56.6	58.3	55.2	48.3	44.6	45.6	49.4	48.0	47.6
10°	70.3	74.7	78.1	70.3	57.9	50.0	50.4	57.9	58.6	60.0
12.5°	82.3	86.0	85.3	75.4	63.7	56.2	53.8	57.9	61.7	62.0
15°	95.3	88.8	86.4	78.1	69.9	64.1	63.1	64.1	64.1	63.4
17.5°	100.8	89.5	82.6	75.7	69.9	65.8	64.4	62.7	60.3	60.3
20°	102.1	92.2	84.3	77.1	71.3	66.8	63.1	61.0	60.3	60.3
22.5°	106.2	97.3	89.1	80.5	74.4	68.5	64.1	62.0	62.0	62.4
25°	112.1	103.8	93.6	84.7	78.1	72.0	66.1	63.1	62.7	63.1
27.5°	119.3	110.7	99.4	89.8	82.3	75.4	68.2	64.4	63.1	63.1
30°	127.5	117.6	104.9	94.3	86.0	79.9	70.9	65.8	64.1	63.4
32.5°	142.2	130.9	111.7	100.1	90.8	84.0	75.1	68.5	65.1	64.4
35°	178.6	161.1	136.1	114.8	100.8	88.8	78.1	70.3	65.8	65.1
37.5°	218.0	191.6	167.9	144.3	123.7	104.2	84.0	73.0	67.5	66.5
40°	242.7	208.0	187.1	151.8	149.1	133.0	103.2	80.5	70.9	69.6
42.5°	293.4	241.6	208.4	134.0	145.7	149.1	130.2	101.1	80.2	77.8
45°	353.4	284.1	233.7	143.3	150.1	146.0	133.3	117.2	100.1	95.3
47.5°	457.9	324.2	242.7	166.2	171.7	160.4	141.6	124.8	112.1	110.4
50°	660.8	442.1	273.2	204.3	220.7	189.2	164.9	151.8	134.7	132.6
52.5°	922.0	532.3	306.7	264.3	301.6	262.5	223.1	196.7	193.0	194.3
55°	1205.1	560.0	351.0	326.6	392.1	355.4	310.2	284.8	309.8	317.7
57.5°	1485.8	601.8	415.1	407.5	490.8	434.9	399.3	410.3	514.4	539.5
60°	1706.8	637.5	469.2	485.3	588.5	527.8	512.7	528.8	707.8	774.2
62.5°	1793.5	621.4	497.3	518.2	634.4	592.9	587.8	603.2	754.0	819.5
65°	*1800.1*	*596.7*	*508.3*	*527.1*	*641.6*	*597.4*	*583.3*	*570.3*	*675.2*	*716.7*
67.5°	1665.7	547.4	494.9	514.4	609.7	551.1	522.0	492.5	546.3	569.3
70°	1342.8	485.3	453.1	464.4	512.7	458.6	418.8	398.6	417.8	416.1
72.5°	1017.2	427.4	407.2	395.9	418.8	375.0	331.1	311.5	328.7	324.2
75°	777.0	381.5	362.6	324.9	347.2	287.9	239.6	226.2	234.4	231.3
77.5°	560.7	305.7	280.7	239.2	268.0	209.4	160.7	151.1	153.2	146.7
80°	403.7	227.9	203.6	174.1	197.1	149.8	119.3	117.2	118.2	111.4
82.5°	317.0	182.7	166.6	150.8	158.0	135.4	114.8	112.8	113.8	106.2
85°	295.4	178.9	162.1	151.8	154.2	133.3	111.4	110.7	112.4	104.2
87.5°	278.6	177.2	163.8	149.1	143.3	122.4	103.2	106.2	111.0	102.5
90°	245.7	165.2	153.5	140.2	134.0	114.8	103.2	107.6	107.3	101.1
92.5°	216.6	147.4	138.1	130.6	129.2	116.9	108.0	112.1	113.4	107.3
95°	177.5	124.4	120.0	117.6	119.6	107.6	100.1	102.1	100.8	97.3
97.5°	151.1	113.4	110.4	106.9	104.9	96.3	89.8	92.5	93.9	90.8
100°	136.8	108.0	105.6	101.8	101.5	95.6	92.2	97.7	101.8	100.1
102.5°	127.8	102.5	99.4	96.0	94.9	90.1	87.4	90.8	94.6	91.2
105°	121.3	97.3	92.5	89.5	87.7	84.3	80.9	82.3	86.4	84.7
107.5°	115.2	97.0	89.5	87.1	87.1	82.6	77.8	78.1	80.2	79.9
110°	124.8	107.6	93.9	90.5	89.5	88.1	84.7	81.2	78.5	78.5

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

Scaled Data Report

REPORT NUMBER: P981412
CATALOG NUMBER: FFX-CLB-40-722-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	149.4	132.0	117.9	106.9	102.5	97.3	90.1	85.0	81.2	80.2
115°	160.4	141.6	128.2	116.2	105.9	96.0	89.8	86.0	84.0	86.0
117.5°	151.1	125.1	123.4	111.0	101.5	93.6	91.9	85.7	89.1	89.1
120°	170.0	145.3	141.6	123.7	110.4	100.4	99.4	98.4	94.6	92.9
122.5°	248.5	216.3	200.8	174.5	151.5	130.9	119.3	103.2	91.9	89.5
125°	337.6	295.1	258.1	223.1	188.5	151.8	121.0	97.0	85.3	83.6
127.5°	338.6	295.4	254.7	212.2	174.5	136.1	108.6	91.9	83.6	83.3
130°	297.8	260.1	215.2	173.1	142.6	117.2	97.3	83.6	77.8	76.1
132.5°	237.2	203.6	174.8	148.7	125.4	103.8	86.0	76.4	73.0	72.7
135°	199.5	170.3	150.1	130.9	112.8	93.6	77.1	72.3	70.6	69.9
137.5°	162.8	145.3	133.0	117.6	100.1	84.3	73.3	71.3	70.6	69.2
140°	141.2	129.6	116.2	99.1	85.7	72.7	66.8	68.5	70.3	69.9
142.5°	115.2	106.6	96.7	85.3	76.1	70.3	67.9	68.9	68.9	69.2
145°	109.3	98.0	92.5	85.7	79.5	75.1	69.2	67.2	66.8	66.8
147.5°	101.5	97.0	93.6	88.8	79.5	71.3	64.8	63.7	65.1	64.8
150°	94.9	91.9	87.7	80.2	70.9	65.5	62.0	62.4	64.8	65.1
152.5°	80.5	78.8	76.1	71.3	64.8	62.0	60.3	61.7	63.4	63.7
155°	71.6	70.6	69.9	66.8	62.7	61.0	60.3	61.3	63.1	63.4
157.5°	70.9	68.5	67.5	65.5	62.4	60.7	60.7	61.7	62.7	63.1
160°	68.9	65.8	65.5	63.4	62.7	61.7	62.4	62.7	63.7	63.4
162.5°	67.2	65.1	64.8	63.4	64.1	65.1	65.1	65.5	66.1	65.8
165°	66.5	64.8	64.4	64.4	66.5	68.2	68.5	68.2	68.2	68.2
167.5°	67.2	66.1	65.8	66.5	68.2	70.3	70.6	69.9	69.2	68.9
170°	68.2	67.9	68.2	68.5	69.6	70.9	70.9	70.3	70.3	70.3
172.5°	69.2	69.9	70.3	70.3	71.3	72.0	72.3	72.0	72.0	72.0
175°	71.3	71.6	71.6	72.0	73.0	73.7	74.4	74.4	74.4	74.4
177.5°	73.7	73.7	73.7	74.0	74.4	75.4	75.7	76.4	76.8	76.8
180°	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7

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

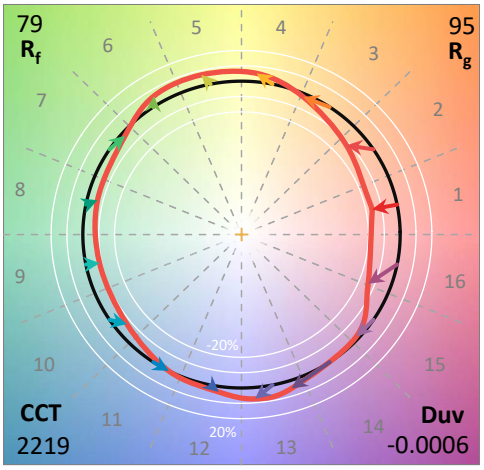
Test Information

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

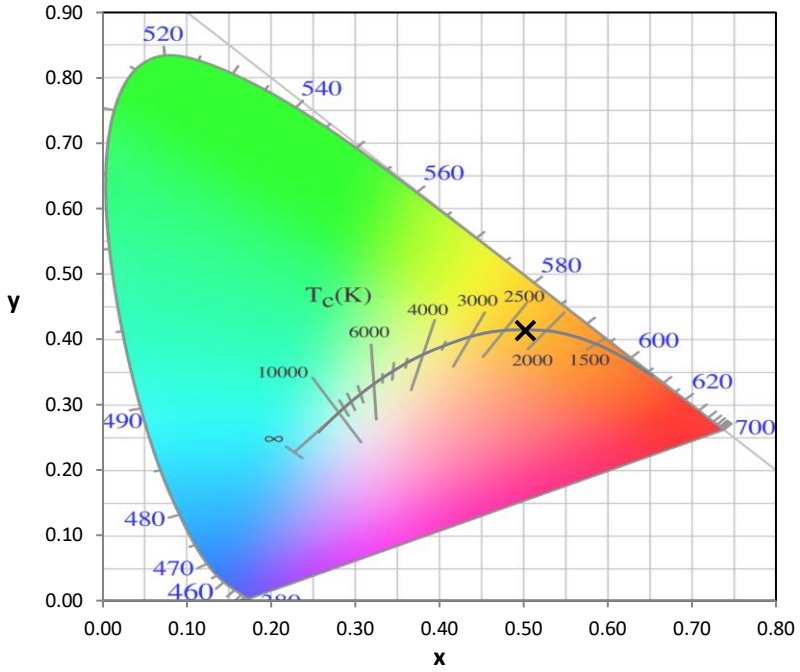
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

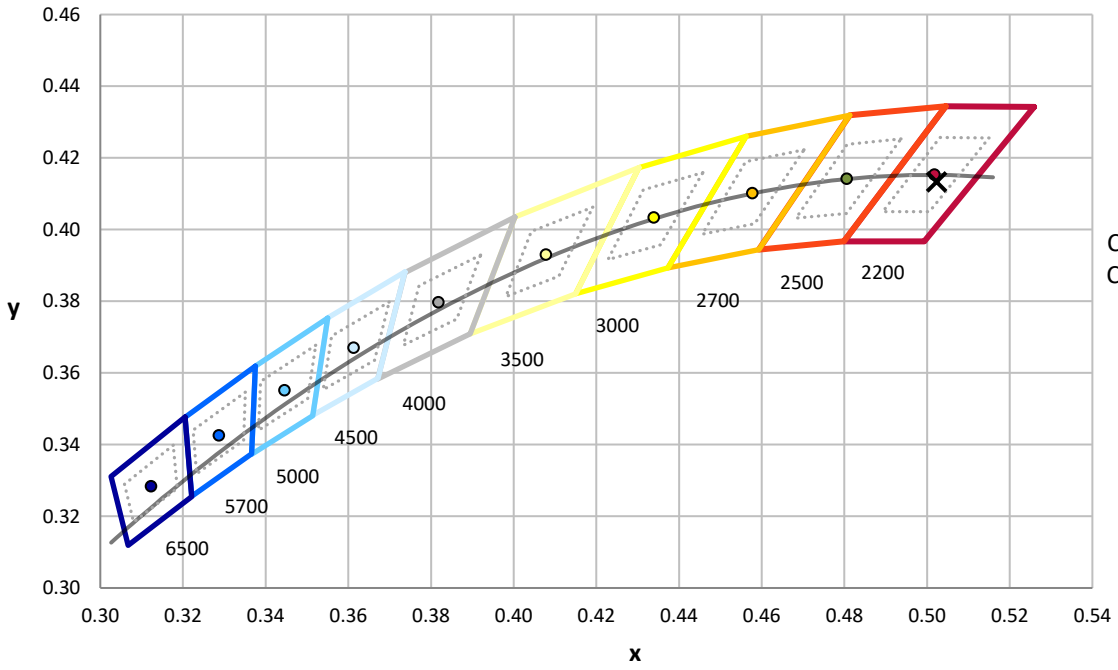
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

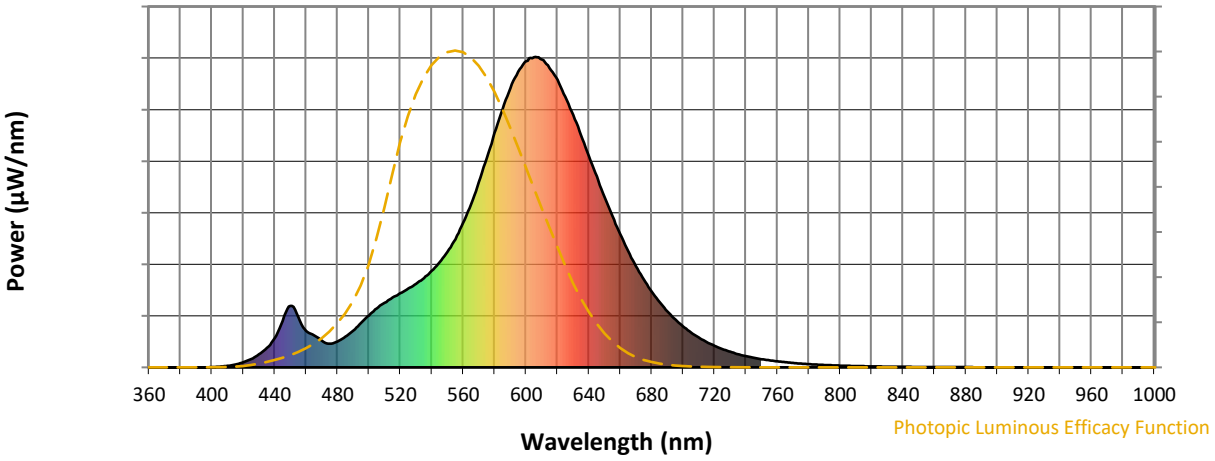


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

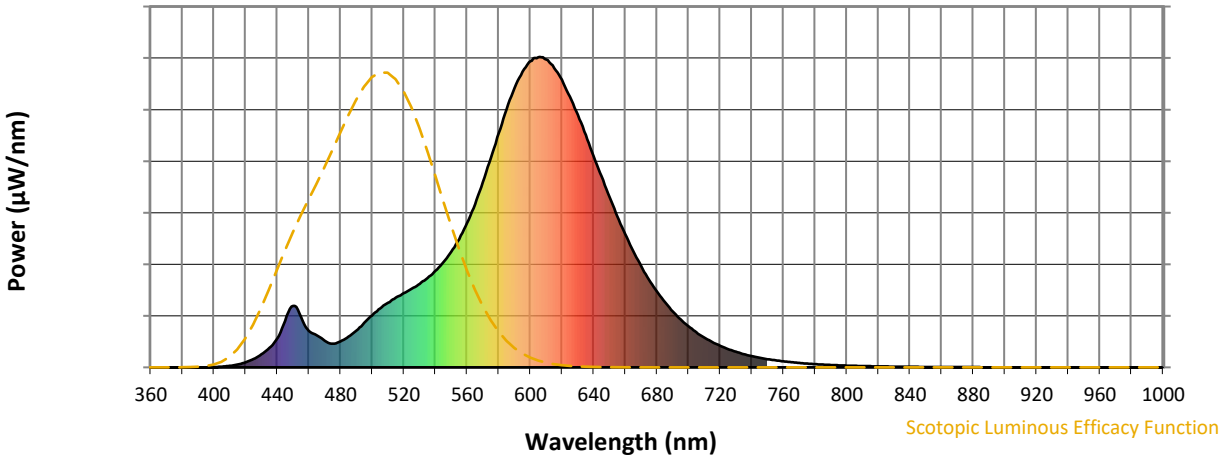


Photopic Lumens: NR

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

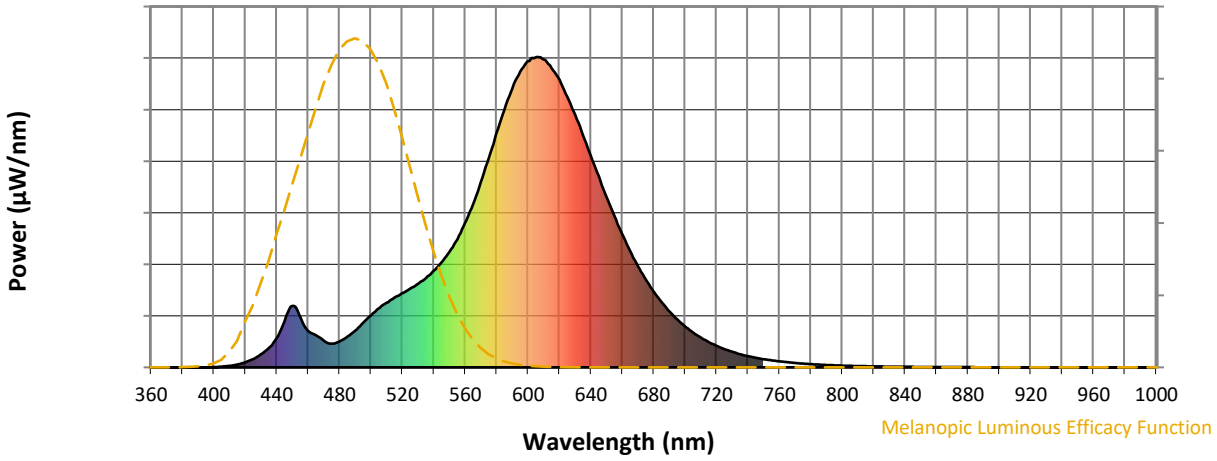


Scotopic Lumens: NR **S/P: 0.94**

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			

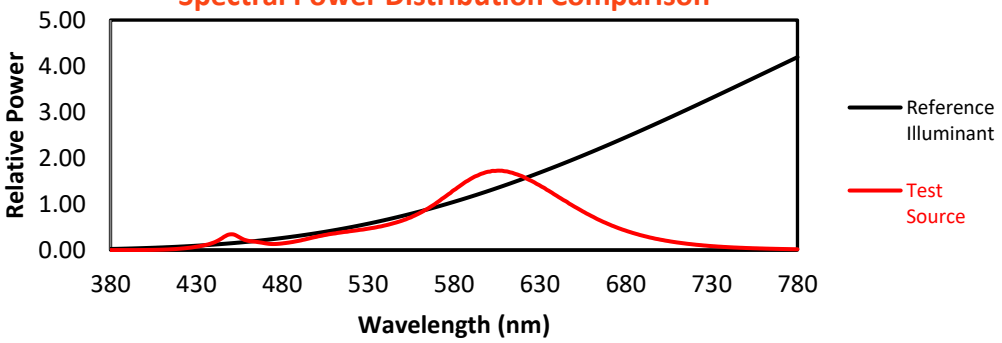
REPORT NUMBER: SP1-2501-332-2

TM-30-18

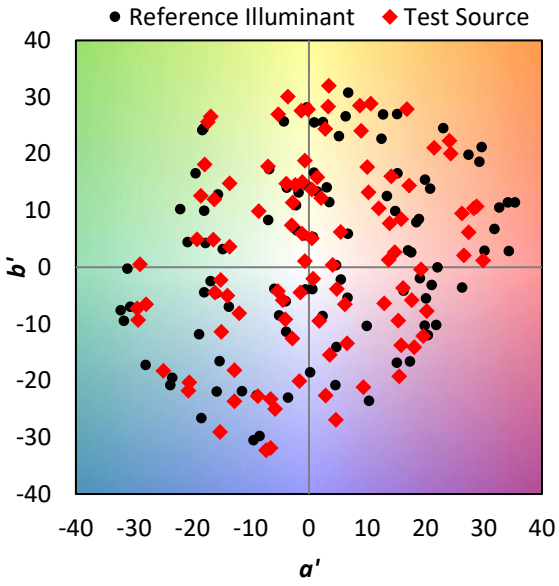
Summary

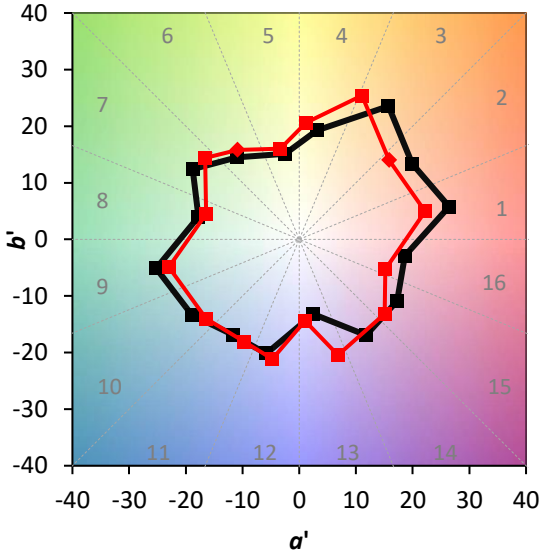
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

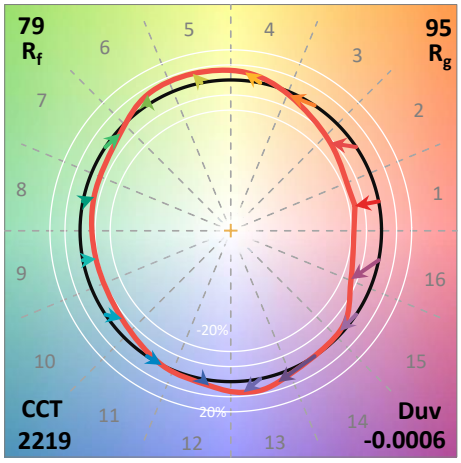
Spectral Power Distribution Comparison

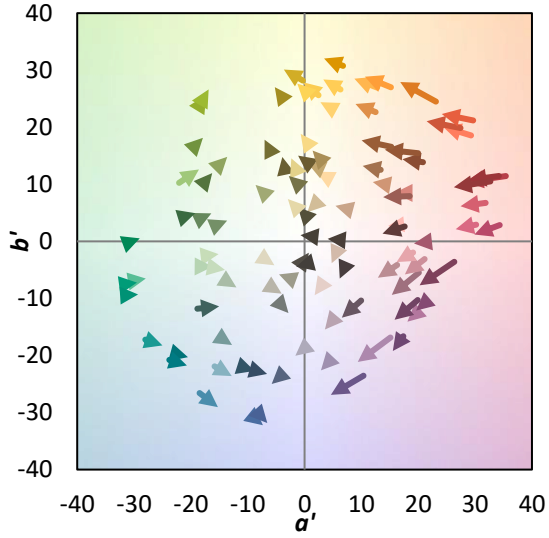


Color Vector Graphics







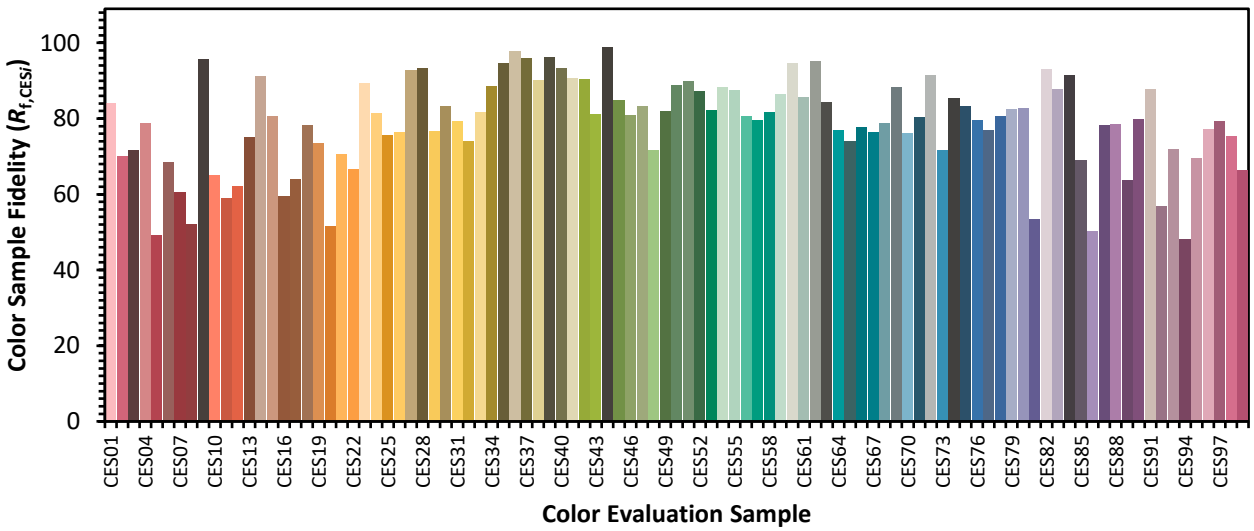


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

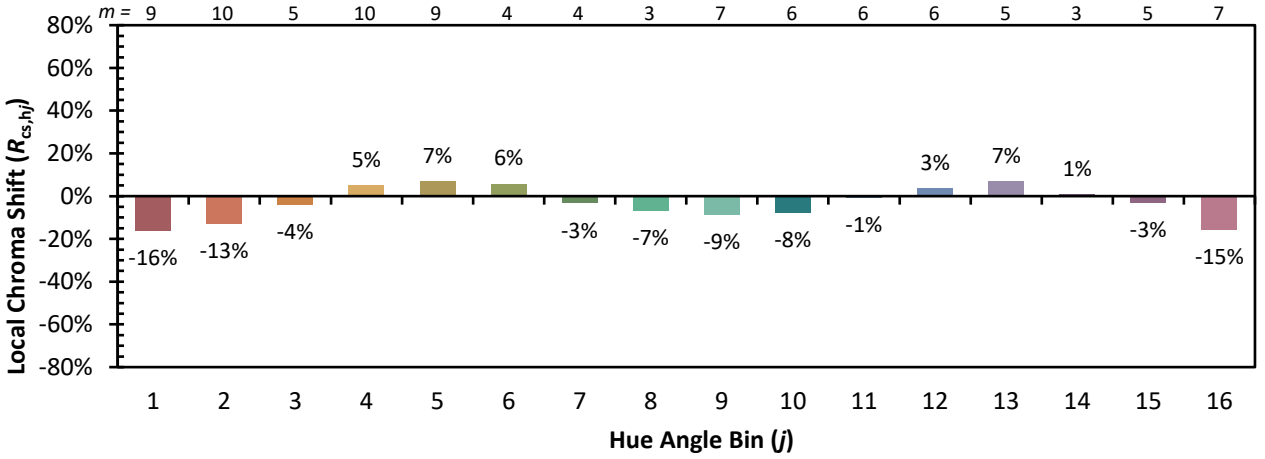
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 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	

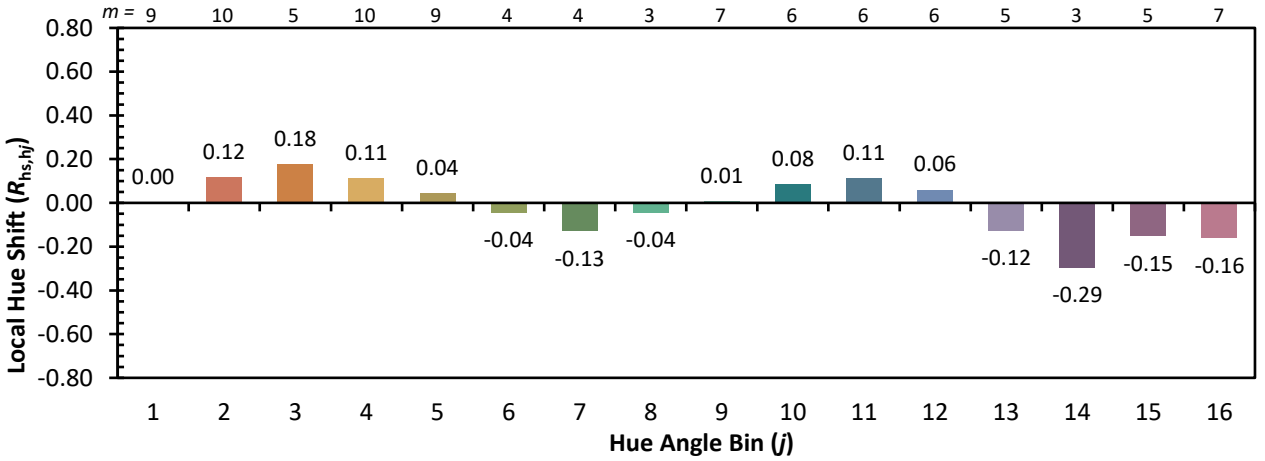


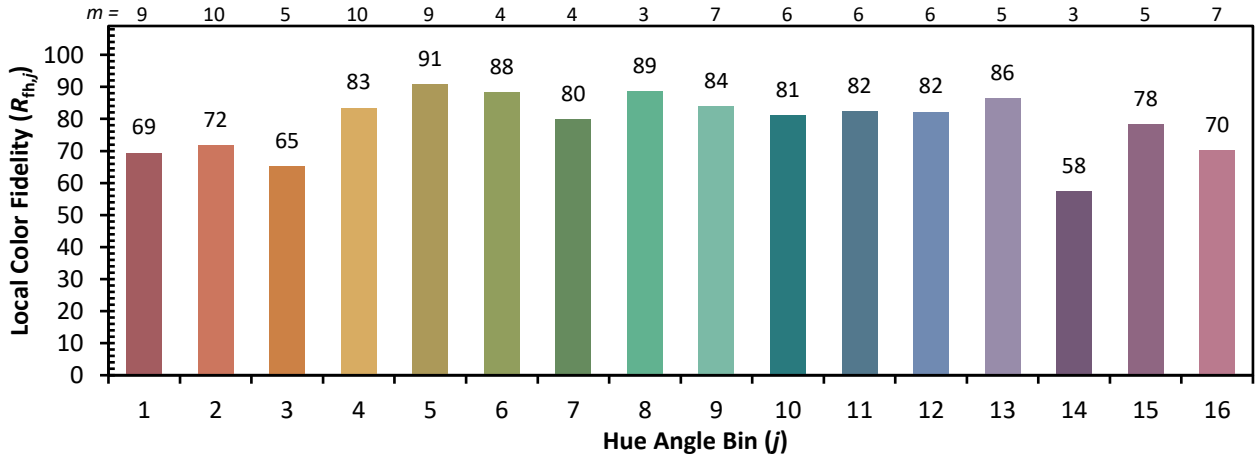
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



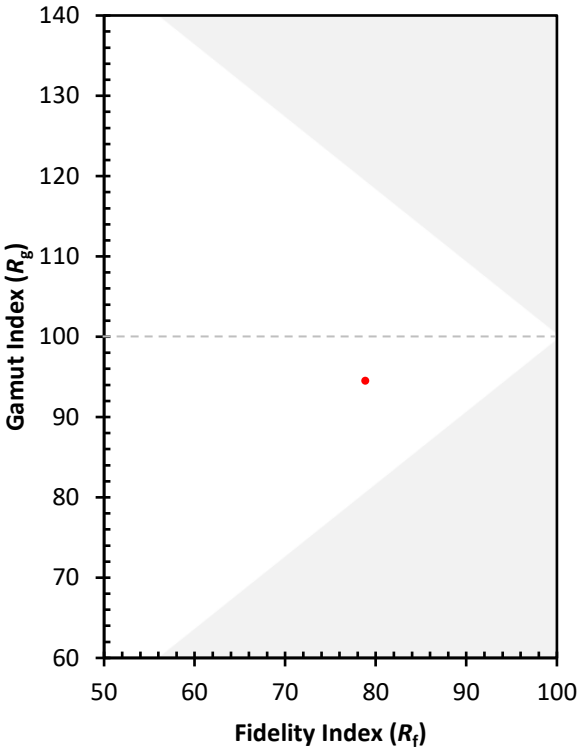


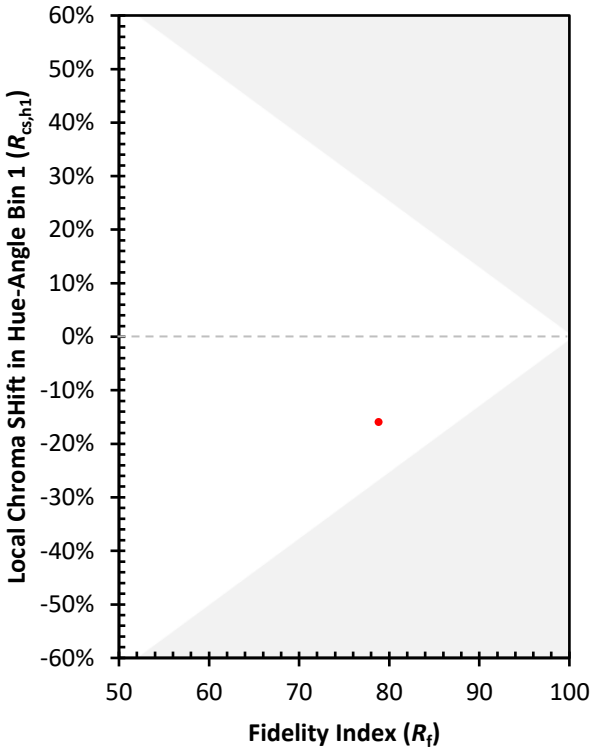


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TM-30-18

Measure Comparisons





(END OF REPORT)