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: P1223886

Luminaire Tested: **FFX-CLB-20-722-U-VM9-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223886
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-722-U-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2618.1 lumens
Efficiency:	N/A
Efficacy:	132.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U4 - G2

Input Watts (W):	19.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

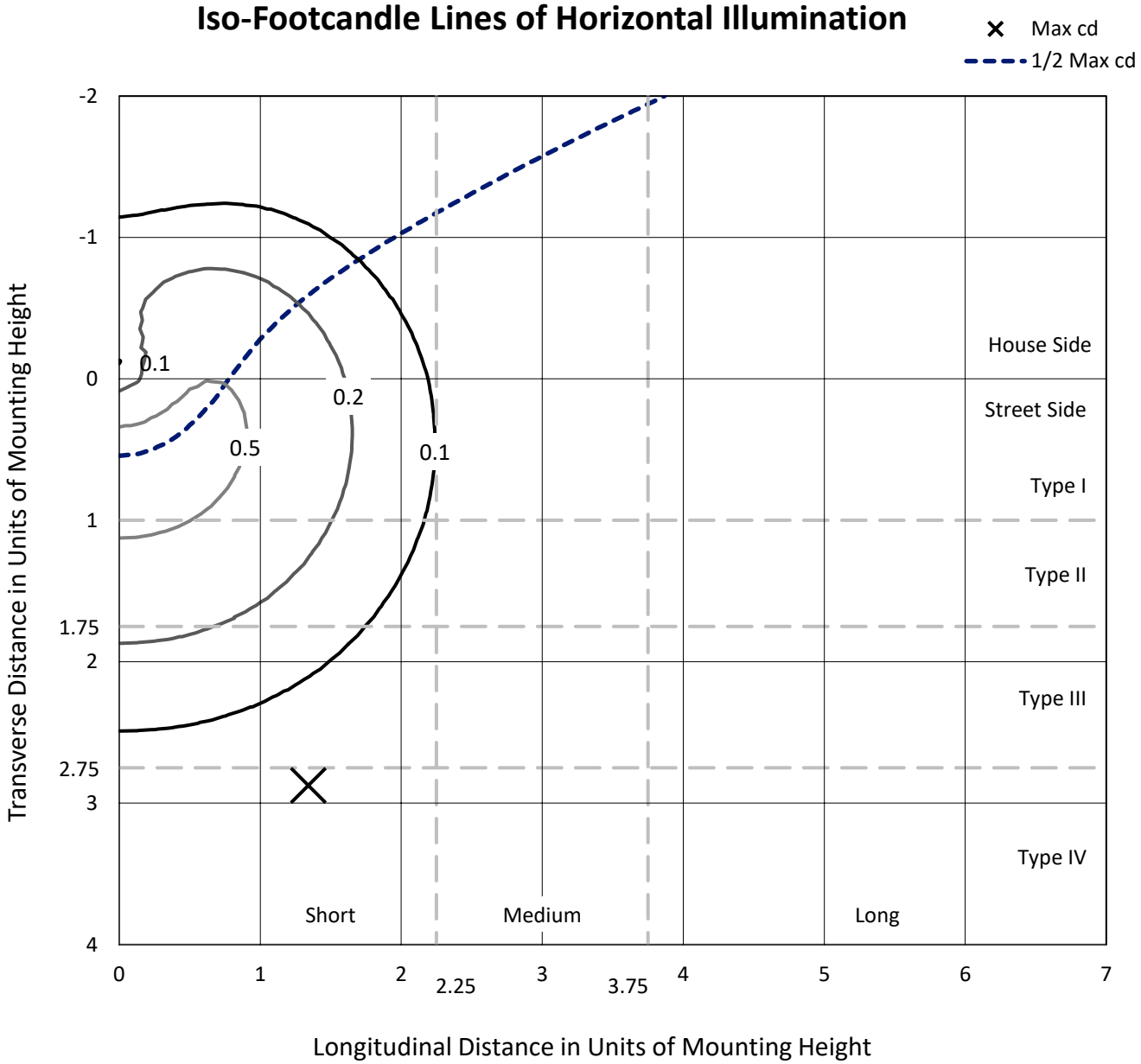


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Iso-Footcandle Lines of Horizontal Illumination



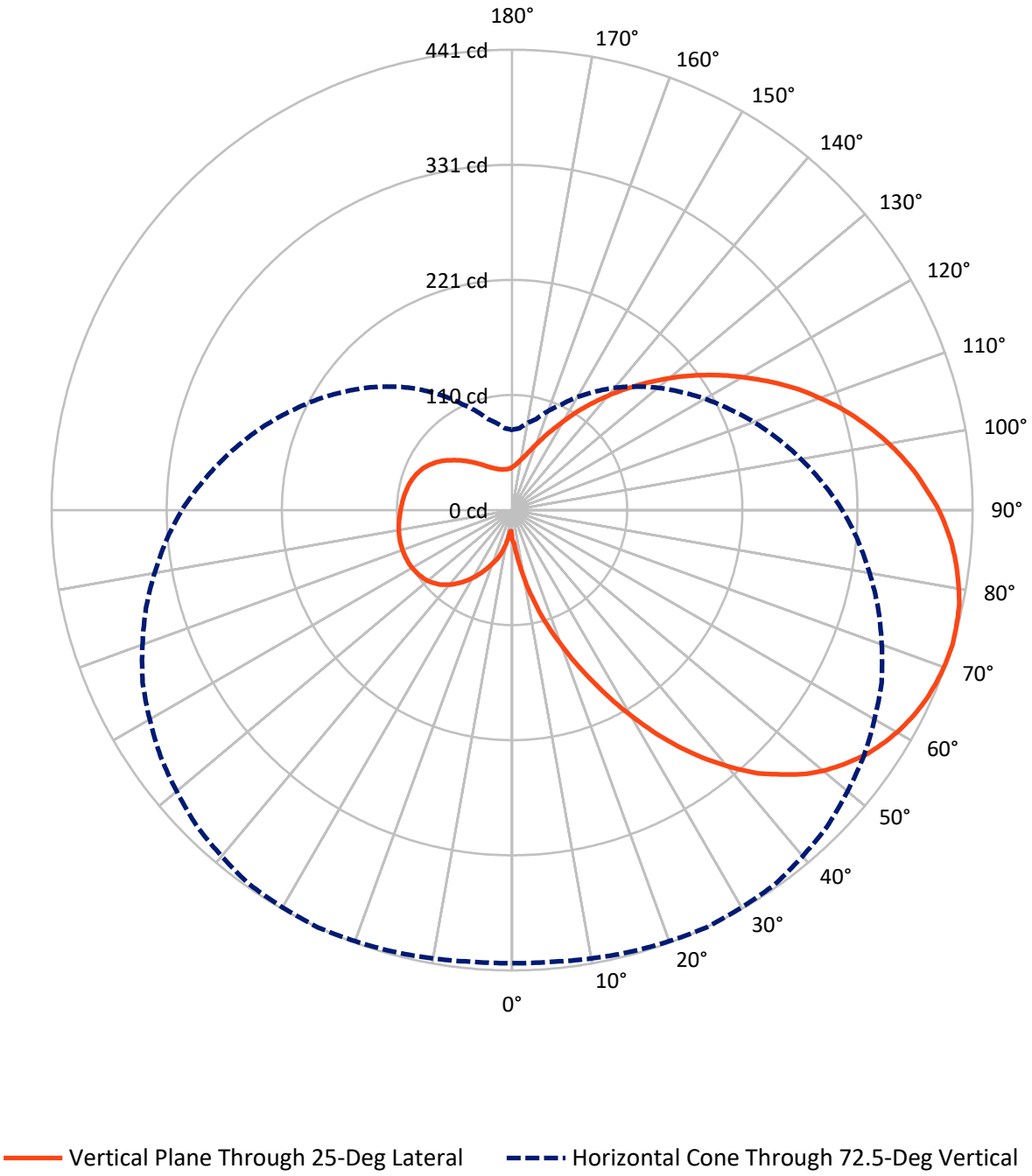
Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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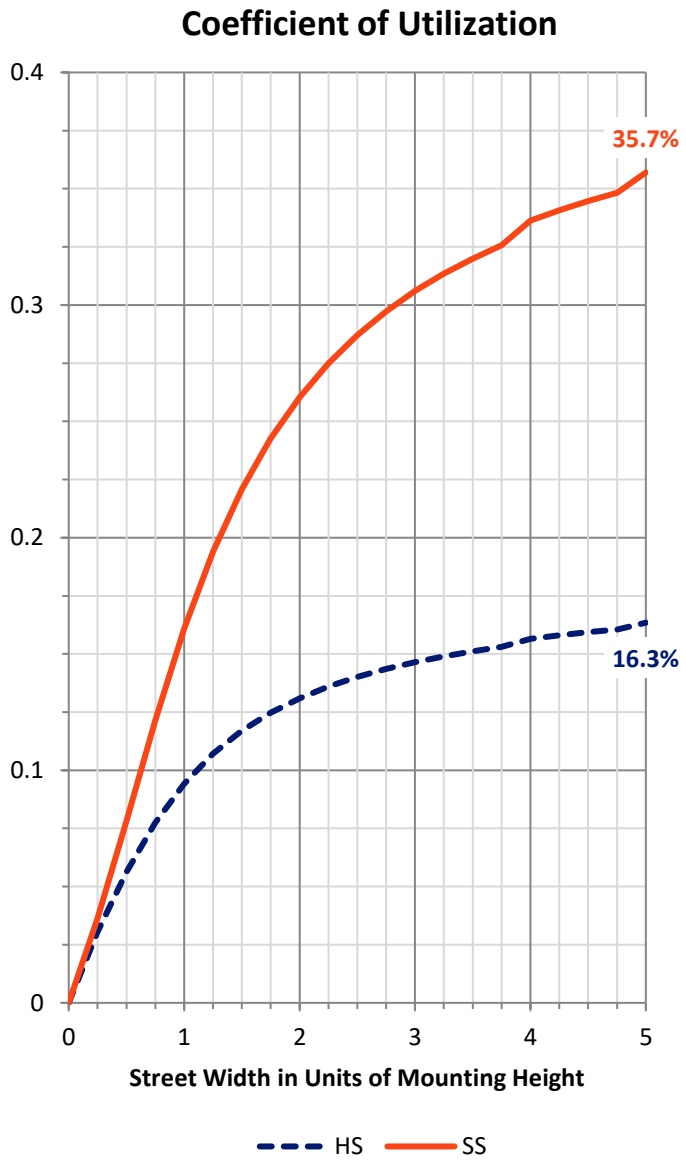
REPORT NUMBER: P1223886
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	471.7	361.0	832.7
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	1066.8	718.5	1785.4
	% Fixture	40.7	27.4	68.2
Total	Lumens	1538.5	1079.5	2618.1
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	22.2	0.8
20°-30°	60.6	2.3
30°-40°	120.0	4.6
40°-50°	187.3	7.2
50°-60°	245.5	9.4
60°-70°	286.5	10.9
70°-80°	307.4	11.7
80°-90°	305.4	11.7
90°-100°	283.3	10.8
100°-110°	246.7	9.4
110°-120°	199.6	7.6
120°-130°	146.9	5.6
130°-140°	97.2	3.7
140°-150°	57.5	2.2
150°-160°	30.2	1.2
160°-170°	14.0	0.5
170°-180°	4.0	0.2
0°-90°	1538.5	58.8
0°-180°	2618.1	100.0



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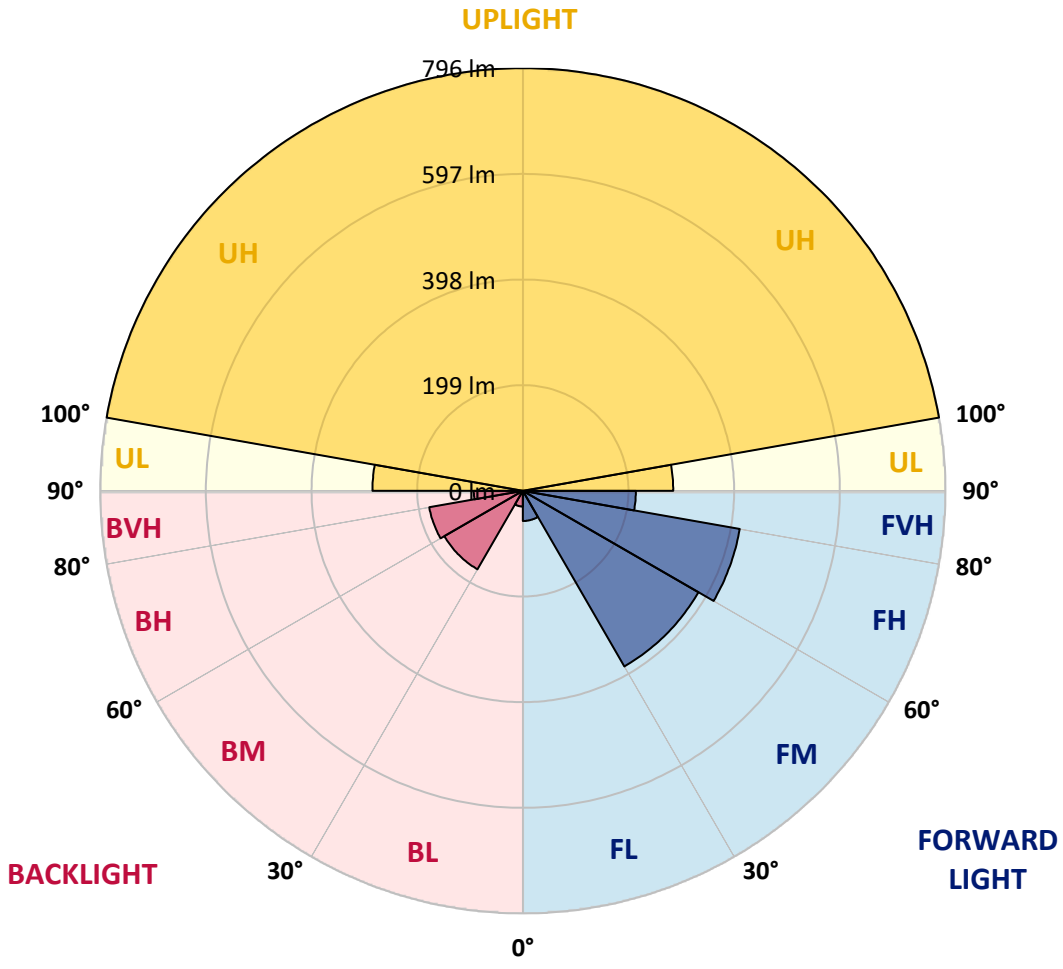
Scaled Data Report

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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°)	56.9	2.2			
FM	(30°-60°)	382.1	14.6			
FH	(60°-80°)	415.0	15.9			G0/660
FVH	(80°-90°)	212.9	8.1			G2/225
BL	(0°-30°)	29.6	1.1	B0/110		
BM	(30°-60°)	170.7	6.5	B0/220		
BH	(60°-80°)	178.9	6.8	B1/500		G1/500
BVH	(80°-90°)	92.5	3.5			G1/100
UL	(90°-100°)	283.3	10.8		U3/500	
UH	(100°-180°)	796.2	30.4		U4/1000	

BUG Rating: B1-U4-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	28.4	28.4	28.4	*28.4*	28.4	28.4	28.4	28.4	28.4	28.4	28.4
2.5°	30.6	30.6	31.1	*31.3*	31.4	31.4	31.6	31.4	30.7	29.9	29.3
5°	41.7	41.3	41.2	*41.3*	41.3	40.6	39.6	37.6	36.2	33.9	33.0
7.5°	55.8	55.5	54.9	*54.4*	54.4	52.6	50.9	49.3	46.8	43.6	42.6
10°	72.2	71.5	70.8	*69.8*	68.5	66.9	64.7	62.0	58.6	55.3	53.2
12.5°	88.3	88.1	87.8	*86.2*	83.9	82.5	80.0	76.3	72.1	67.5	65.7
15°	106.9	106.0	105.5	*104.2*	102.8	100.0	95.9	92.4	87.4	81.1	79.0
17.5°	124.0	123.6	122.6	*122.2*	119.9	116.9	112.3	107.0	101.0	95.2	92.0
20°	142.7	143.6	142.4	*141.3*	137.3	134.2	130.0	124.9	117.6	109.3	106.0
22.5°	163.6	164.5	162.5	*162.5*	159.2	154.2	148.2	142.2	133.2	124.5	120.3
25°	187.8	188.1	185.1	*183.9*	181.4	176.5	169.2	162.2	151.7	140.8	135.8
27.5°	210.7	211.4	209.7	*208.1*	204.0	199.3	191.3	183.0	171.2	158.1	152.6
30°	236.7	235.3	234.6	*231.8*	227.5	222.6	213.7	204.6	191.0	175.6	168.9
32.5°	259.7	258.6	259.1	*256.8*	250.7	245.2	236.9	225.7	209.9	193.8	186.2
35°	283.3	283.9	283.2	*280.7*	277.0	269.7	258.4	245.9	230.0	211.1	203.0
37.5°	307.5	306.3	305.4	*303.3*	299.6	291.5	280.3	266.2	247.8	227.9	218.9
40°	328.4	329.3	328.2	*324.7*	321.3	312.3	300.1	284.0	265.1	243.8	233.3
42.5°	348.2	347.8	346.9	*345.0*	340.4	330.9	318.8	302.4	281.0	257.4	246.4
45°	364.1	364.4	364.4	*361.6*	357.3	348.7	334.9	318.1	295.3	270.4	259.0
47.5°	379.3	379.8	379.4	*378.2*	373.6	363.4	349.4	332.1	307.9	282.3	269.4
50°	392.7	392.7	392.5	*391.4*	387.0	377.1	362.8	344.3	319.2	292.2	279.4
52.5°	403.8	403.6	403.8	*402.6*	398.0	389.0	374.1	354.3	329.3	300.5	288.1
55°	412.6	412.1	413.3	*412.8*	408.8	398.7	383.0	363.7	337.7	308.4	295.3
57.5°	419.7	419.5	421.1	*420.6*	416.5	406.5	390.9	371.3	344.8	315.0	300.6
60°	425.5	425.2	427.3	*427.3*	423.2	413.2	397.8	377.1	350.5	320.1	305.6
62.5°	429.6	429.8	431.7	*432.4*	428.9	418.6	402.6	382.3	355.1	324.1	309.5
65°	432.4	432.8	435.1	*436.5*	433.0	422.9	406.3	386.0	358.8	327.5	312.5
67.5°	434.2	434.4	437.5	*439.0*	436.1	425.5	409.5	388.6	361.2	329.6	314.8
70°	434.9	435.1	438.6	*440.7*	437.9	427.1	410.9	390.0	362.8	331.0	316.0
72.5°	*434.4*	*434.7*	*438.4*	*441.3*	*438.4*	*427.8*	*411.4*	*390.7*	*363.2*	*332.6*	*316.4*
75°	432.6	433.0	437.2	*440.0*	437.9	426.9	410.5	390.0	362.6	331.2	315.8
77.5°	429.6	430.1	434.5	*438.1*	435.6	425.2	408.8	388.1	360.7	329.4	313.9
80°	425.2	425.4	430.3	*433.8*	432.1	421.6	405.2	384.7	357.5	326.4	311.2
82.5°	419.5	420.2	425.0	*428.9*	427.3	416.5	400.6	380.5	353.5	322.7	307.4
85°	413.5	414.2	418.6	*422.9*	420.9	410.9	395.0	375.0	348.0	317.6	302.9
87.5°	406.3	406.8	411.0	*415.5*	413.7	403.6	388.3	368.7	342.3	312.8	297.8
90°	398.3	398.9	402.9	*407.2*	404.9	395.3	380.3	361.1	335.4	306.5	292.0
92.5°	389.9	390.0	394.6	*396.9*	395.7	387.2	372.4	353.8	328.2	299.9	286.3
95°	380.3	380.3	384.7	*387.2*	385.1	377.1	363.2	344.6	319.7	293.2	279.3
97.5°	369.9	370.2	373.6	*376.1*	375.4	367.1	353.8	336.2	312.3	286.0	272.7
100°	359.1	359.1	362.1	*364.2*	362.6	355.9	343.4	327.1	302.9	278.2	265.3
102.5°	347.8	347.6	350.1	*351.7*	350.6	344.5	332.8	316.7	294.1	270.1	257.9
105°	335.3	334.7	337.2	*339.0*	337.9	332.4	322.5	307.0	285.1	262.1	250.5
107.5°	321.8	322.7	324.1	*325.2*	324.3	319.5	310.2	296.4	275.7	253.8	242.5
110°	309.1	309.7	309.8	*311.1*	310.9	307.0	299.1	285.3	265.7	245.0	234.1

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REPORT NUMBER: P1223886
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	296.2	296.1	296.2	*297.1*	297.1	293.2	285.6	273.6	255.8	235.6	225.6
115°	282.3	281.6	281.7	*281.9*	282.6	279.6	273.1	261.8	244.3	226.5	216.6
117.5°	267.8	267.6	267.3	*266.7*	266.7	265.5	259.8	249.8	233.2	215.5	207.2
120°	254.0	253.3	252.4	*251.9*	252.2	250.8	246.2	236.2	221.5	205.6	197.3
122.5°	238.1	238.6	238.1	*237.4*	237.6	236.2	232.3	223.8	209.1	194.0	186.5
125°	224.5	224.3	223.6	*222.6*	222.6	222.0	217.8	210.4	197.3	182.8	175.9
127.5°	209.3	209.5	208.8	*208.3*	208.6	207.6	204.7	196.3	184.8	171.9	165.2
130°	195.0	194.8	194.7	*193.6*	194.5	192.5	190.1	183.0	172.1	161.1	154.9
132.5°	181.6	180.5	179.8	*179.6*	179.5	179.3	176.3	170.1	160.9	150.0	144.0
135°	168.2	167.3	166.4	*166.0*	166.4	165.5	162.9	157.7	149.3	138.7	134.1
137.5°	154.4	154.0	154.0	*153.1*	153.1	152.4	150.1	145.9	138.0	128.8	124.2
140°	142.0	141.3	141.0	*140.4*	141.0	140.3	137.8	133.7	127.0	119.1	114.6
142.5°	129.3	128.6	129.1	*128.6*	128.1	127.7	125.6	122.4	116.6	109.3	105.6
145°	117.5	117.5	117.1	*117.3*	116.9	116.6	114.5	111.5	106.5	99.8	97.2
147.5°	106.3	106.7	106.3	*106.7*	106.7	105.3	103.9	101.4	96.8	91.5	88.7
150°	95.9	96.4	96.1	*95.9*	96.1	95.4	93.4	92.0	88.0	83.4	80.5
152.5°	87.1	87.4	87.4	*87.1*	86.9	86.6	84.6	82.7	79.5	76.0	74.0
155°	78.8	78.8	79.0	*79.1*	78.6	77.5	76.8	75.2	72.4	69.2	67.3
157.5°	71.9	71.7	71.9	*71.7*	71.5	70.5	69.4	68.2	65.9	63.1	62.0
160°	65.4	65.4	65.5	*65.4*	64.7	64.1	63.2	62.2	60.2	58.3	56.9
162.5°	60.1	60.1	60.1	*59.9*	59.2	59.0	57.9	56.9	55.3	53.7	52.6
165°	55.5	55.5	55.3	*55.3*	54.9	54.4	53.5	52.6	51.2	50.0	49.3
167.5°	51.8	51.6	51.4	*51.2*	51.0	50.5	49.6	49.1	48.0	47.0	46.5
170°	48.6	48.6	48.4	*48.4*	48.0	47.5	47.0	46.3	45.6	44.5	44.2
172.5°	45.8	45.8	45.8	*45.8*	45.2	45.0	44.5	44.0	43.5	42.7	42.4
175°	43.6	43.6	43.6	*43.6*	43.3	42.9	42.7	42.2	41.9	41.3	41.2
177.5°	42.0	42.0	42.0	*42.0*	41.9	41.5	41.3	41.0	40.6	40.5	40.3
180°	40.6	40.6	40.6	*40.6*	40.6	40.6	40.6	40.6	40.6	40.6	40.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
2.5°	28.8	27.7	26.3	24.7	23.5	21.9	20.3	19.4	18.9	18.5
5°	32.1	29.9	27.7	25.4	23.7	22.1	20.3	18.9	18.2	18.0
7.5°	41.0	37.8	34.6	31.8	29.3	26.8	25.1	23.7	22.8	22.8
10°	51.6	47.2	43.5	39.7	36.4	33.4	30.9	29.5	28.4	28.1
12.5°	63.6	58.3	53.2	48.9	44.0	40.6	37.6	35.7	34.4	34.3
15°	76.1	70.7	64.1	58.3	52.8	47.5	44.0	41.2	40.1	40.1
17.5°	88.1	81.1	73.8	66.8	60.1	53.9	48.9	45.8	44.2	43.8
20°	101.0	92.6	83.2	74.9	66.6	59.4	53.5	49.5	47.3	47.2
22.5°	114.3	104.4	94.3	83.4	73.8	65.2	58.3	53.5	50.9	50.5
25°	129.5	117.5	105.5	93.4	82.0	71.7	63.6	57.8	54.8	54.4
27.5°	146.3	131.2	116.9	103.2	89.7	78.4	68.7	62.0	58.3	58.1
30°	161.6	145.0	128.8	112.9	98.2	84.6	73.8	66.1	62.0	61.5
32.5°	177.0	158.6	140.3	122.8	105.8	91.1	79.0	70.0	65.2	64.8
35°	192.9	172.1	152.1	132.0	114.3	97.7	83.7	73.8	68.7	68.0
37.5°	207.7	185.3	163.4	142.0	121.7	103.7	88.3	77.5	71.7	70.8
40°	221.3	197.1	173.6	150.7	128.8	109.3	92.7	80.7	74.2	73.5
42.5°	233.9	208.3	183.0	158.3	135.3	114.3	96.4	83.4	76.1	75.4
45°	245.7	218.7	191.7	165.3	141.0	118.9	100.0	85.8	78.1	77.0
47.5°	255.8	227.5	198.5	171.3	146.1	122.8	102.6	87.6	79.5	78.4
50°	264.8	234.9	205.1	177.2	150.5	126.3	105.1	89.0	80.2	79.1
52.5°	272.0	241.8	210.7	181.8	154.6	129.1	106.9	90.3	80.9	79.8
55°	279.1	247.5	215.7	185.8	157.6	131.8	108.3	91.0	81.3	80.0
57.5°	284.9	252.2	219.7	189.0	160.6	133.5	109.5	91.3	81.3	79.8
60°	289.2	256.0	222.9	191.7	162.5	135.1	110.4	91.5	81.1	79.7
62.5°	292.9	259.0	225.2	194.0	164.5	136.4	111.3	91.7	80.7	79.3
65°	295.7	261.4	227.2	195.4	165.7	137.4	111.5	91.5	80.2	78.8
67.5°	298.0	263.0	228.4	196.6	166.6	138.0	111.8	91.3	79.8	78.3
70°	298.9	263.7	229.1	197.1	167.1	138.3	111.8	91.0	79.1	77.5
72.5°	*298.7*	*263.7*	*229.3*	*197.3*	*167.3*	*138.5*	*111.6*	*90.4*	*78.6*	*77.0*
75°	298.2	263.2	228.9	197.1	167.1	138.3	111.5	90.1	78.1	76.7
77.5°	296.8	261.8	227.7	196.4	166.8	137.8	110.9	89.7	77.7	76.0
80°	294.3	259.7	225.9	194.8	165.5	137.3	110.4	89.0	77.0	75.6
82.5°	290.8	257.0	223.8	193.4	164.5	136.2	109.7	88.7	76.7	75.2
85°	286.7	253.7	221.0	191.3	162.9	135.1	108.8	88.0	76.3	74.9
87.5°	281.7	249.2	218.2	188.8	160.9	133.7	107.9	87.4	76.1	74.7
90°	276.6	245.2	214.6	186.5	159.3	132.3	107.0	87.1	76.0	74.7
92.5°	271.0	240.8	211.3	183.5	157.2	130.9	106.2	86.7	76.0	74.7
95°	265.3	236.2	207.9	180.9	155.1	129.5	105.3	86.6	76.3	75.1
97.5°	258.6	230.9	203.8	178.1	152.6	127.9	104.6	86.4	76.5	75.4
100°	252.2	225.6	199.6	174.9	150.3	126.1	103.5	86.2	76.8	75.6
102.5°	245.4	220.5	195.4	171.5	147.8	124.2	102.6	86.0	77.2	76.1
105°	238.5	214.3	190.8	167.6	144.8	122.2	101.6	85.8	77.4	76.3
107.5°	230.9	208.4	185.7	163.9	141.8	120.1	100.2	85.5	77.5	76.5
110°	223.1	201.5	180.4	159.7	138.3	117.5	98.7	84.6	77.4	76.5

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

Scaled Data Report

REPORT NUMBER: P1223886
CATALOG NUMBER: FFX-CLB-20-722-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	215.7	195.0	174.5	154.9	134.6	114.8	96.8	83.7	76.8	76.1
115°	206.5	187.6	168.3	149.8	130.4	111.5	94.7	82.5	76.1	75.2
117.5°	198.0	179.8	161.8	144.3	125.9	108.1	92.2	80.9	74.9	74.2
120°	188.5	171.5	154.7	138.1	121.0	104.2	89.2	79.0	73.3	72.8
122.5°	179.1	163.4	147.5	131.8	115.7	99.8	86.2	76.5	71.5	71.0
125°	169.2	154.7	139.9	125.1	109.9	95.2	82.7	73.7	69.2	68.7
127.5°	159.2	145.7	131.8	118.0	104.2	90.6	79.0	70.8	66.6	66.4
130°	148.6	136.5	123.8	111.1	98.4	85.8	75.1	67.8	63.9	63.6
132.5°	139.0	127.9	116.1	104.0	92.0	81.1	71.4	64.7	61.3	60.9
135°	129.7	118.5	108.3	97.7	86.6	76.3	67.7	61.6	58.6	58.3
137.5°	120.1	110.4	100.9	91.0	80.9	71.7	64.1	58.8	56.2	55.8
140°	110.6	102.5	93.8	84.4	75.8	67.5	60.6	56.2	53.7	53.3
142.5°	101.9	94.2	86.4	78.3	70.5	63.4	57.4	53.2	51.0	50.9
145°	93.4	86.7	79.7	72.4	65.7	59.9	54.4	50.9	49.1	48.9
147.5°	85.8	79.8	73.5	67.3	61.5	56.0	51.6	48.6	46.8	46.6
150°	78.3	73.0	67.7	62.4	57.4	52.8	48.9	46.5	45.2	44.9
152.5°	71.5	67.3	62.5	58.1	53.7	49.8	46.8	44.5	43.5	43.3
155°	65.5	62.0	58.1	54.2	50.7	47.5	44.9	43.1	42.2	42.2
157.5°	60.4	57.4	54.2	51.0	48.2	45.6	43.5	42.0	41.3	41.2
160°	55.8	53.2	50.7	48.4	45.8	43.8	42.2	41.0	40.5	40.3
162.5°	51.6	49.8	47.9	45.9	44.0	42.4	41.2	40.3	39.9	39.9
165°	48.6	47.0	45.4	44.0	42.6	41.5	40.5	39.9	39.6	39.4
167.5°	45.9	44.7	43.6	42.6	41.5	40.6	39.9	39.6	39.2	39.2
170°	43.8	42.9	42.2	41.5	40.8	40.1	39.7	39.4	39.2	39.2
172.5°	42.0	41.5	41.0	40.6	40.1	39.7	39.4	39.2	39.2	39.2
175°	41.0	40.6	40.3	40.1	39.9	39.7	39.6	39.4	39.4	39.4
177.5°	40.3	40.1	40.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9
180°	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6

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

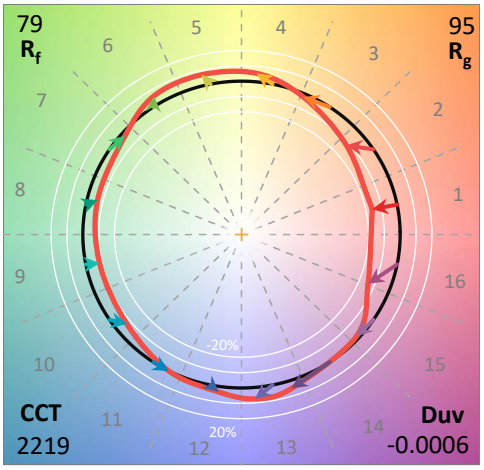
Test Information

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

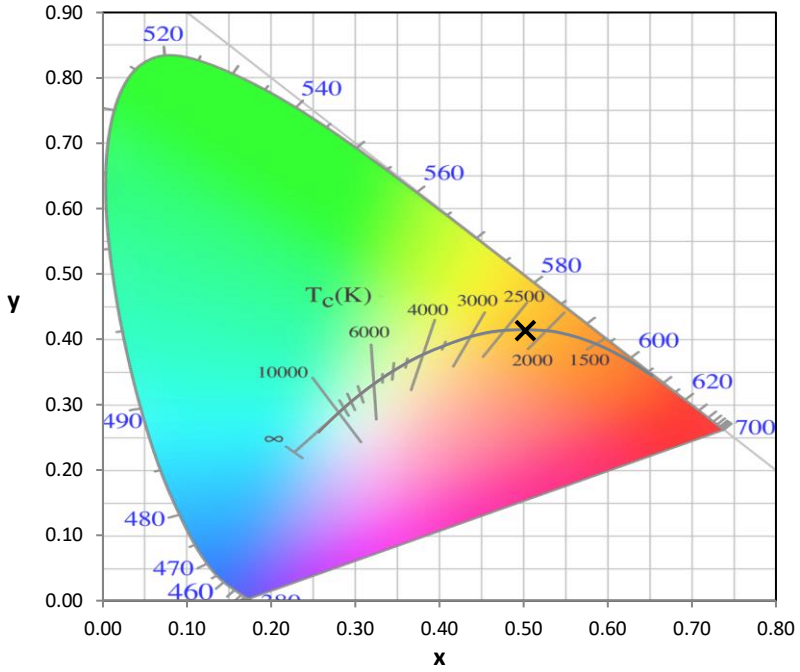
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

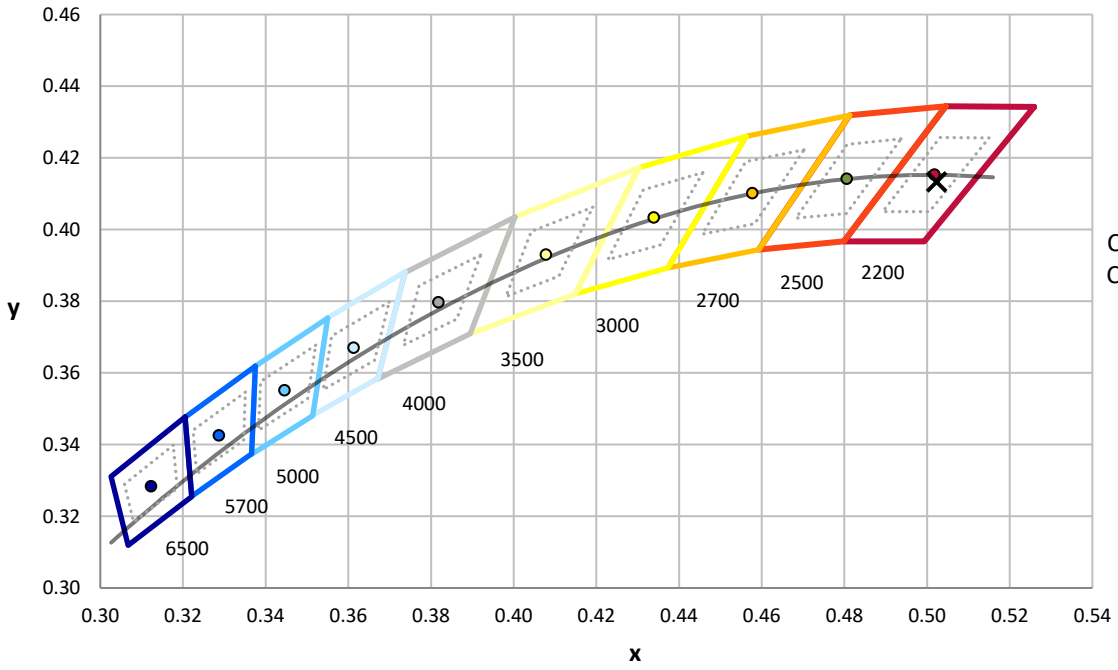
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

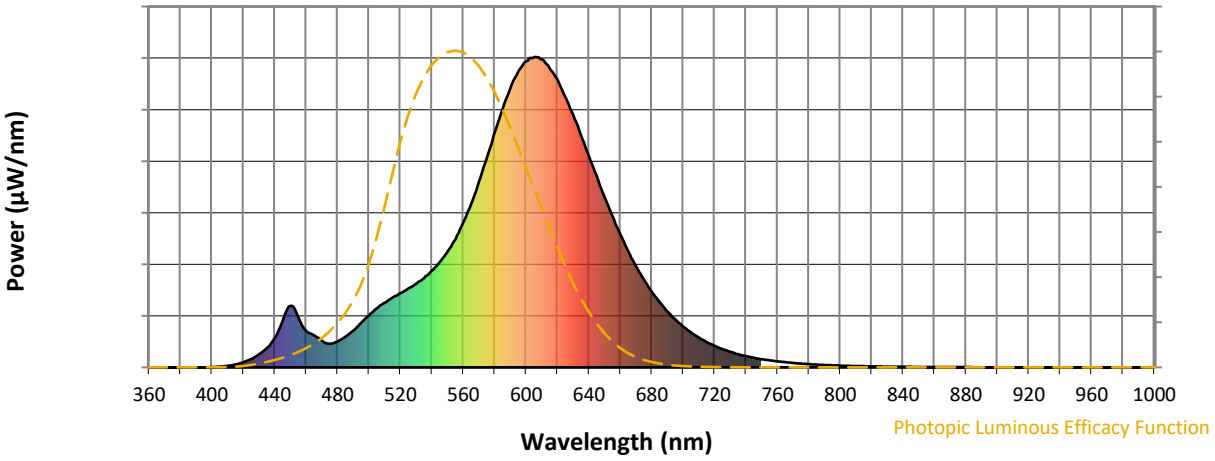


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

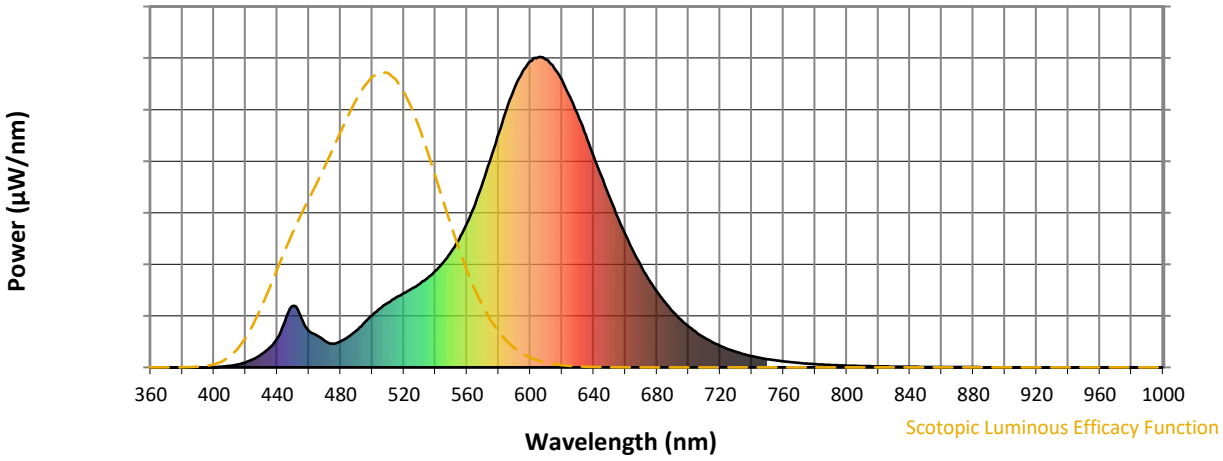


Photopic Lumens: NR

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

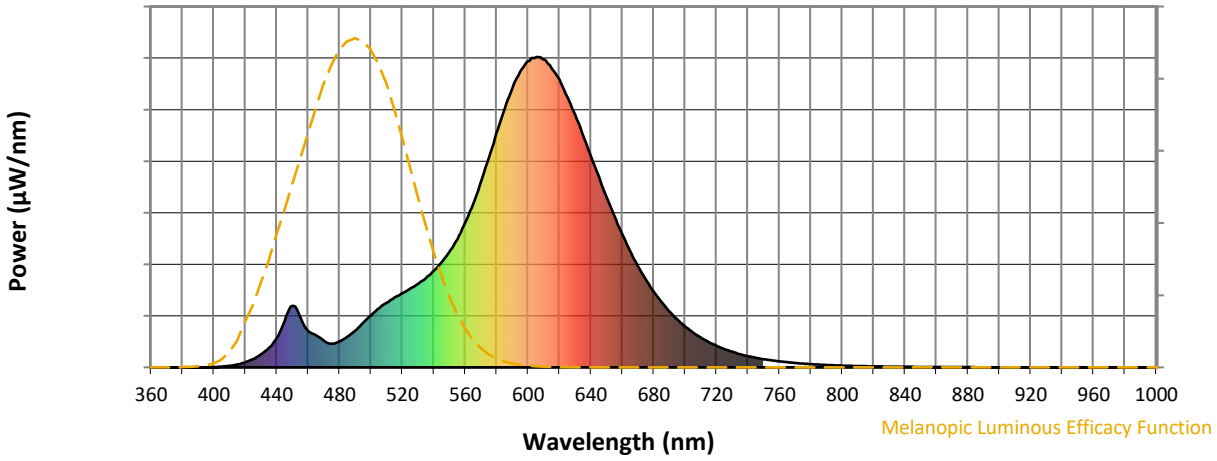


Scotopic Lumens: NR **S/P: 0.94**

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			

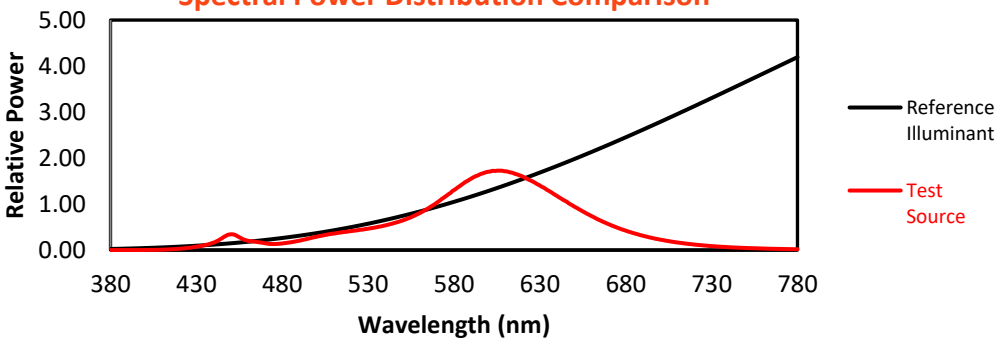
REPORT NUMBER: SP1-2501-332-2

TM-30-18

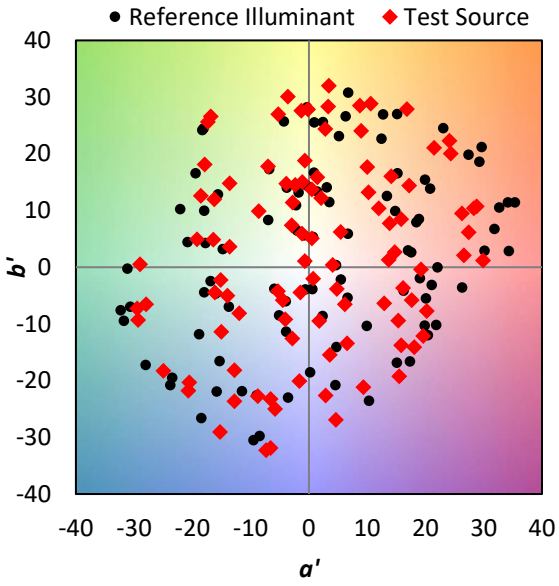
Summary

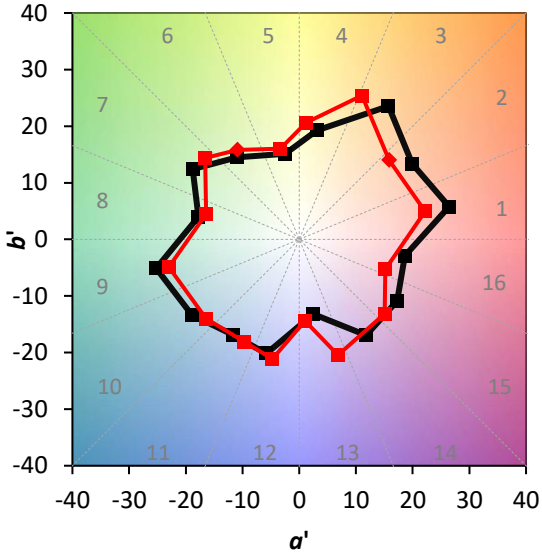
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

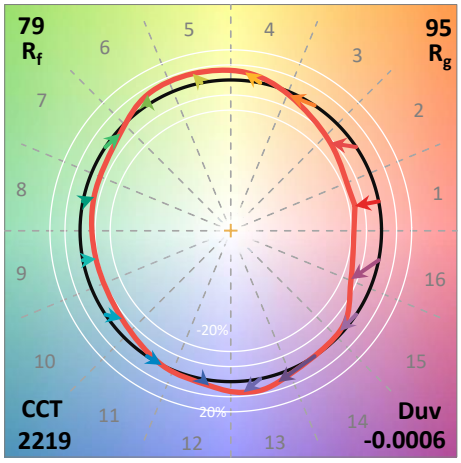
Spectral Power Distribution Comparison

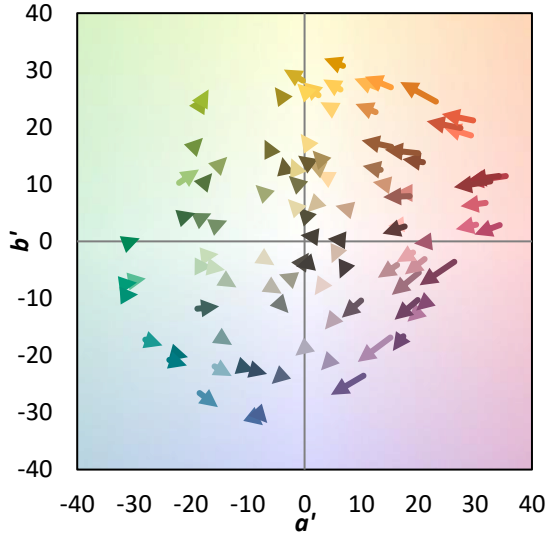


Color Vector Graphics







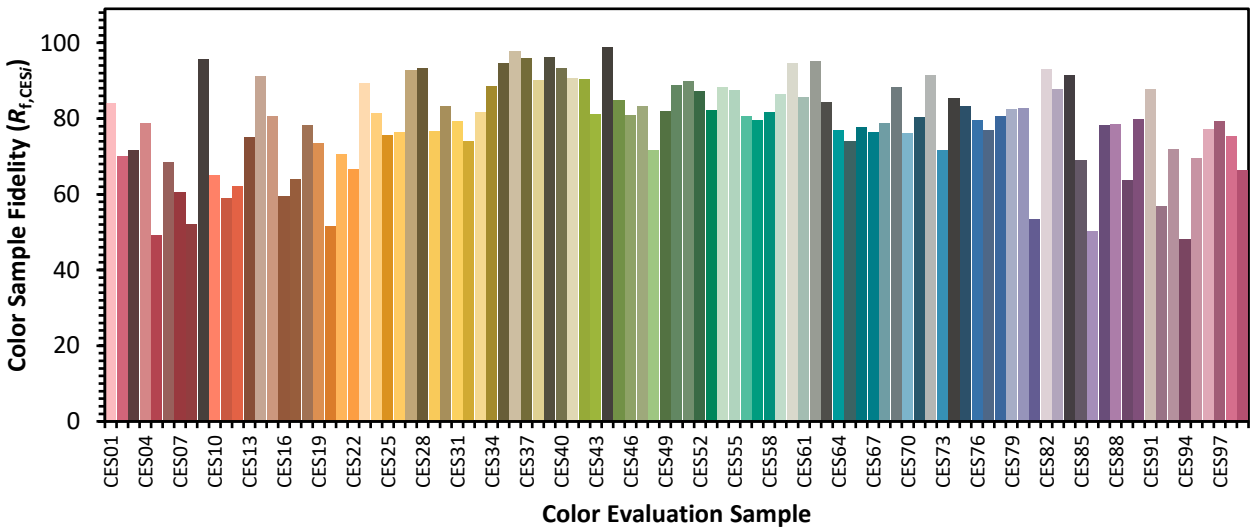


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

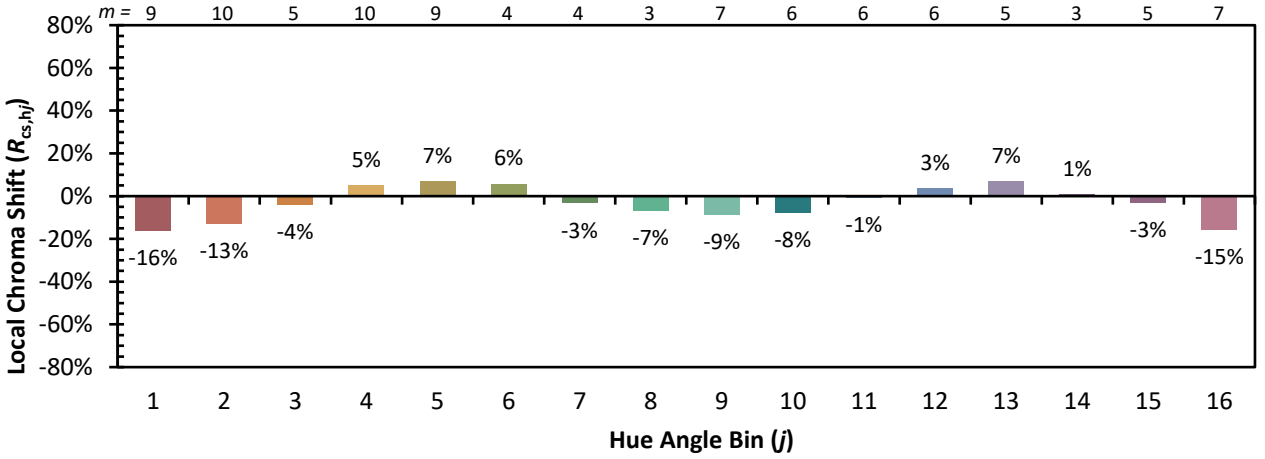
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 80
CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 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	

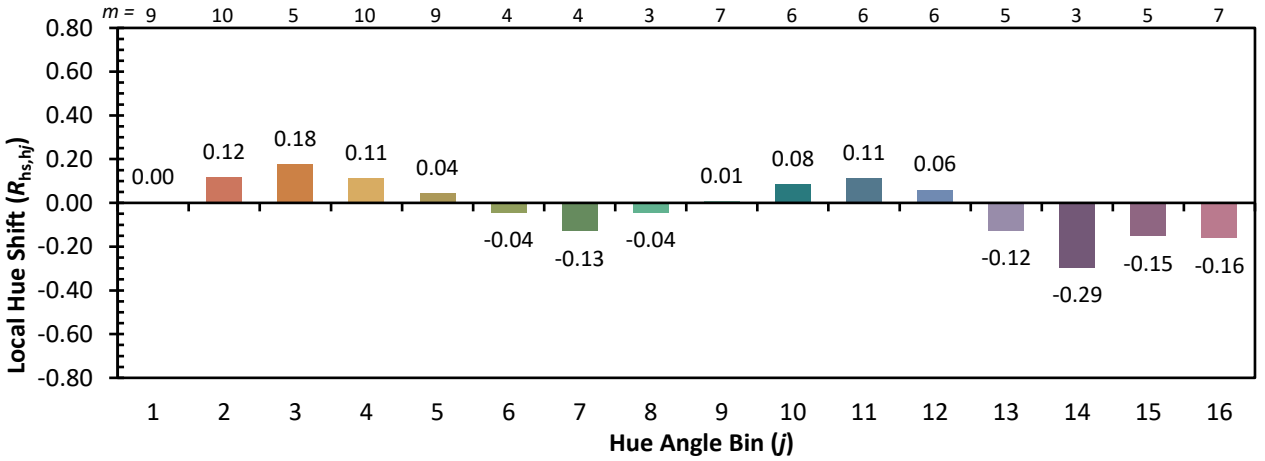


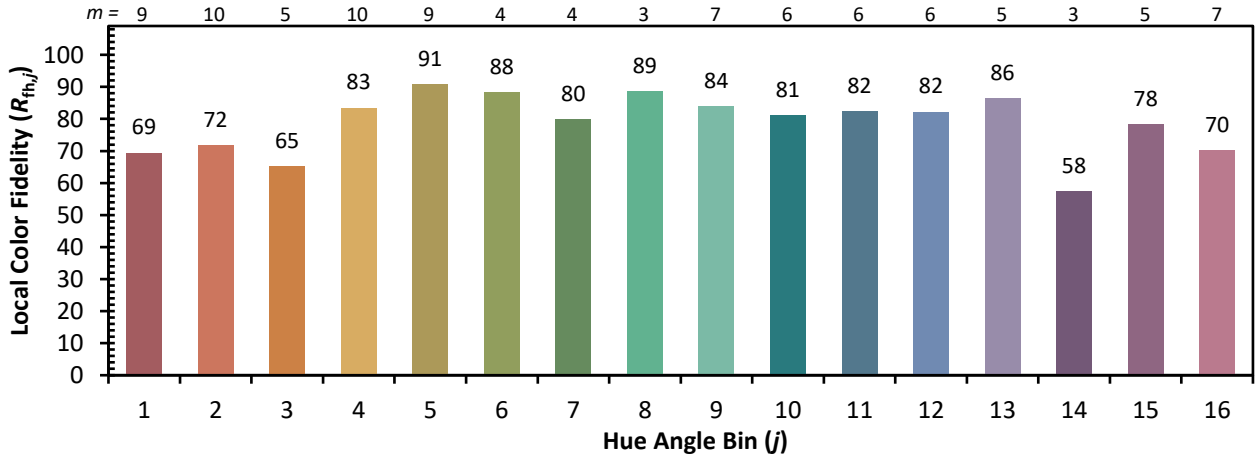
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



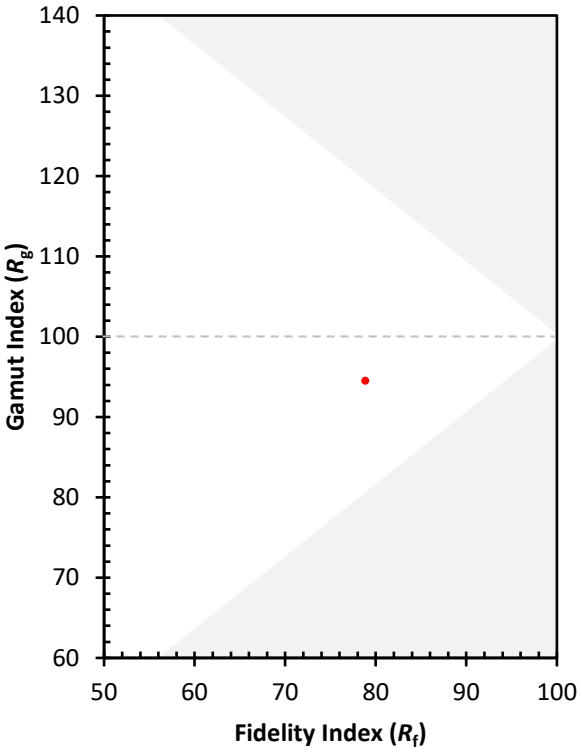


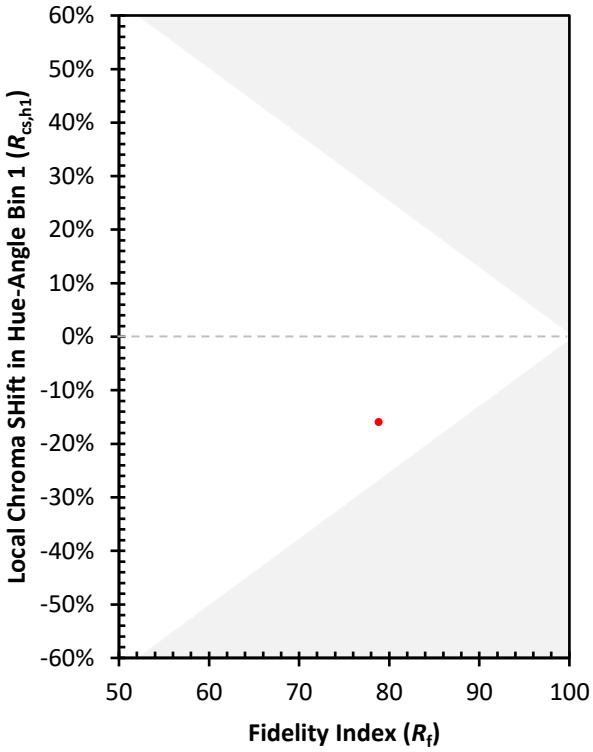


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TM-30-18

Measure Comparisons





(END OF REPORT)