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: P1223976

Luminaire Tested: **FFX-CLB-20-722-U-VM8-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:	P1223976
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-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 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 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

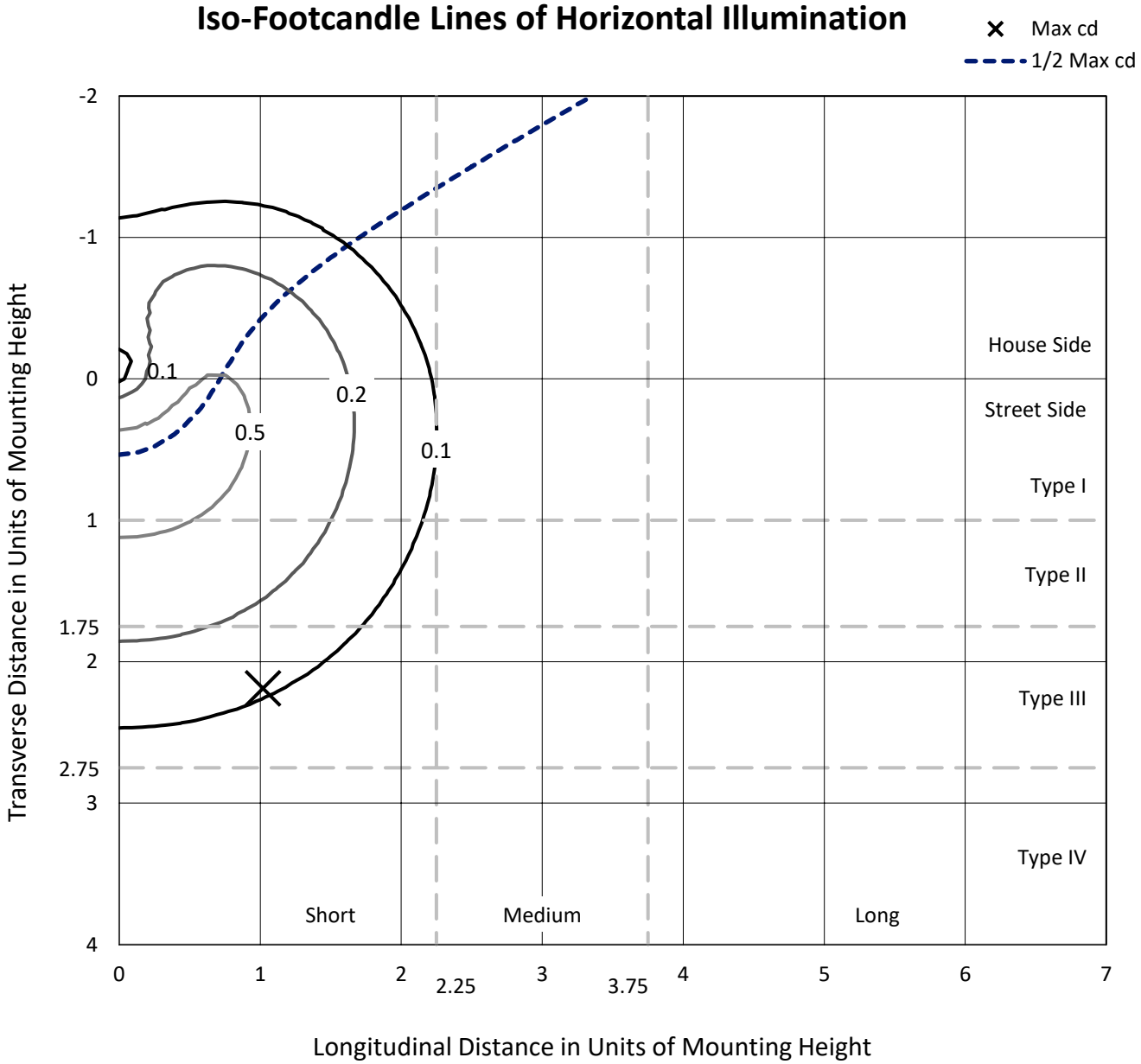


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Iso-Footcandle Lines of Horizontal Illumination



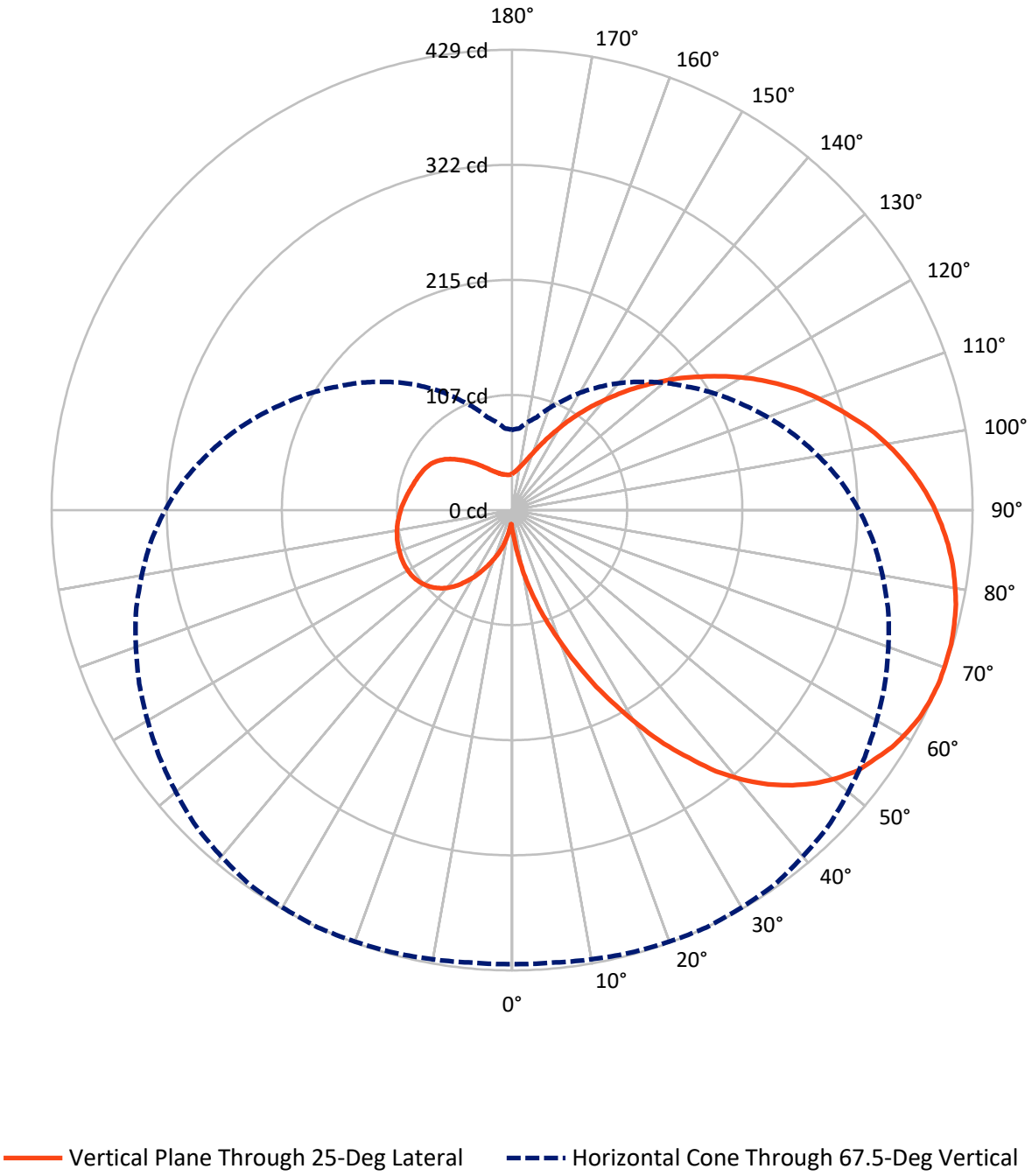
Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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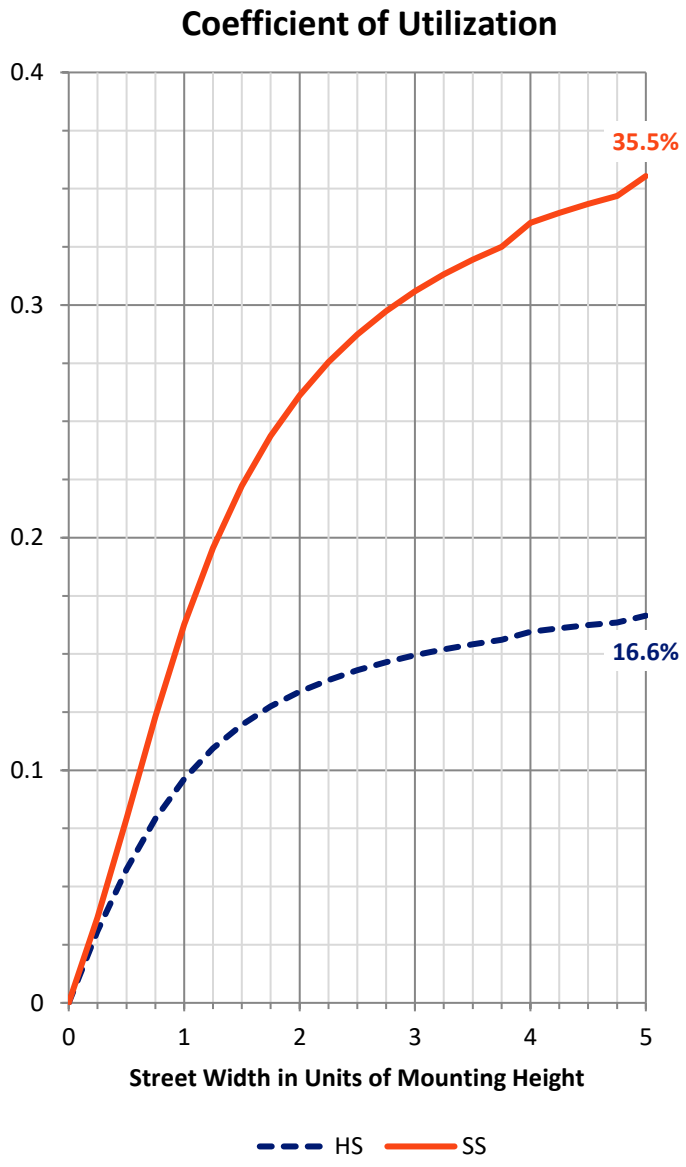
REPORT NUMBER: P1223976
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.5	366.5	846.0
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	1059.4	712.7	1772.1
	% Fixture	40.5	27.2	67.7
Total	Lumens	1538.9	1079.2	2618.0
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	19.9	0.8
20°-30°	59.6	2.3
30°-40°	122.7	4.7
40°-50°	191.6	7.3
50°-60°	248.2	9.5
60°-70°	286.2	10.9
70°-80°	304.5	11.6
80°-90°	303.2	11.6
90°-100°	282.8	10.8
100°-110°	247.2	9.4
110°-120°	202.5	7.7
120°-130°	150.6	5.8
130°-140°	97.9	3.7
140°-150°	55.5	2.1
150°-160°	27.3	1.0
160°-170°	11.9	0.5
170°-180°	3.4	0.1
0°-90°	1538.9	58.8
0°-180°	2618.0	100.0



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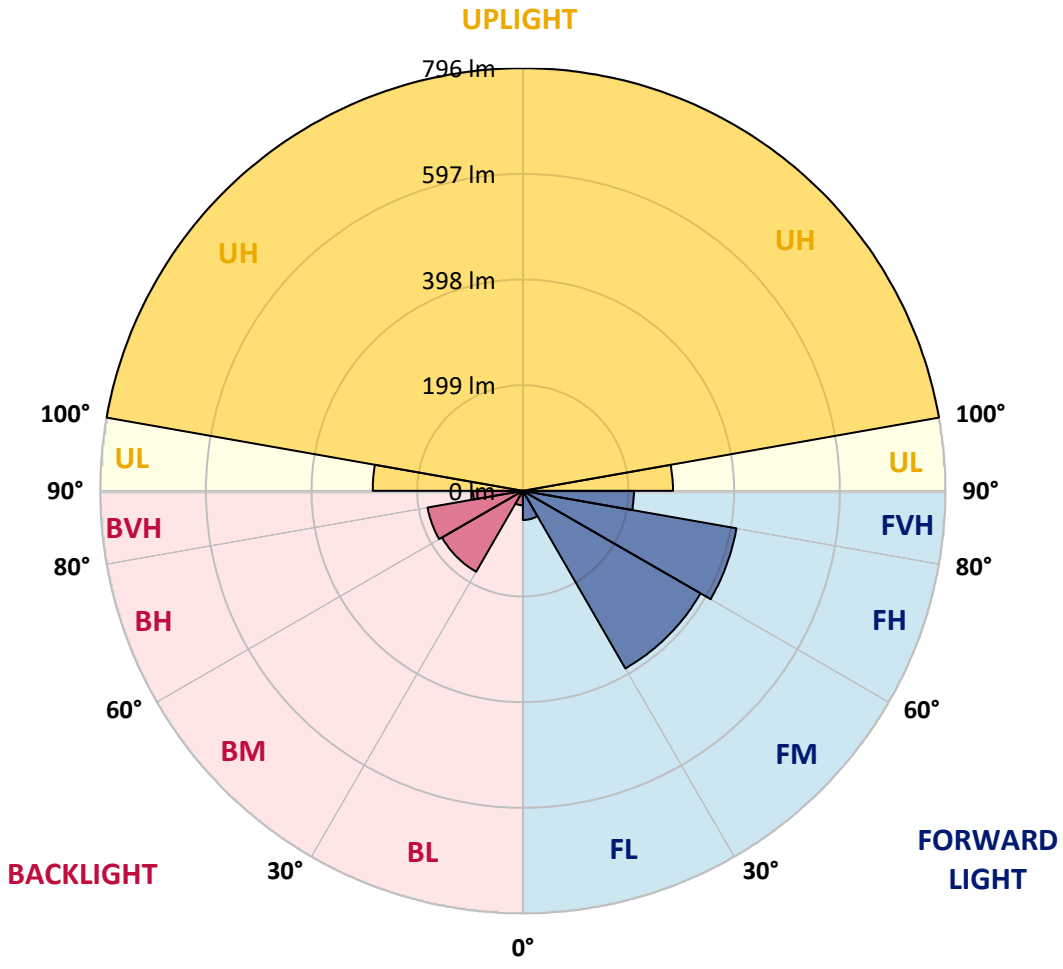
Scaled Data Report

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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°)	55.0	2.1			
FM	(30°-60°)	386.6	14.8			
FH	(60°-80°)	408.6	15.6			G0/660
FVH	(80°-90°)	209.3	8.0			G2/225
BL	(0°-30°)	27.4	1.0	B0/110		
BM	(30°-60°)	176.0	6.7	B0/220		
BH	(60°-80°)	182.1	7.0	B1/500		G1/500
BVH	(80°-90°)	93.9	3.6			G1/100
UL	(90°-100°)	282.8	10.8		U3/500	
UH	(100°-180°)	796.3	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°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
2.5°	22.6	22.6	22.8	22.8	22.4	22.6	22.3	21.8	21.4	20.6	20.3
5°	32.9	32.4	32.6	32.2	31.6	31.2	29.9	28.9	27.3	25.4	24.6
7.5°	45.7	45.9	45.2	44.4	44.2	42.4	42.0	38.9	37.6	34.4	33.6
10°	61.5	61.2	60.5	60.3	58.8	57.0	54.2	52.5	48.2	45.9	44.0
12.5°	78.8	78.9	77.8	76.6	75.3	72.8	69.0	66.3	62.8	58.0	55.7
15°	97.4	96.7	96.7	95.4	93.4	90.6	87.6	83.8	78.8	73.6	70.3
17.5°	114.7	116.0	115.5	113.8	112.0	108.5	105.4	100.0	94.6	88.9	84.8
20°	136.3	136.6	135.8	134.3	132.6	128.6	124.8	119.5	112.7	103.9	100.4
22.5°	158.0	158.7	158.7	157.9	155.6	152.1	145.9	140.1	131.6	122.8	117.0
25°	183.1	182.6	183.1	182.6	178.8	175.7	169.3	162.4	153.2	142.4	135.4
27.5°	208.4	209.1	207.7	206.6	205.1	200.1	193.3	184.5	173.0	161.7	154.2
30°	233.0	234.5	234.5	233.2	230.8	225.9	218.2	208.7	196.1	181.8	173.0
32.5°	258.8	259.3	259.9	259.8	257.1	252.3	243.8	231.0	216.9	201.1	192.5
35°	286.0	284.5	284.9	283.9	282.7	276.7	266.9	254.6	239.3	221.7	211.2
37.5°	308.6	308.0	308.5	309.3	306.1	300.0	288.7	274.4	257.6	239.2	228.7
40°	330.1	329.6	330.4	330.6	327.4	320.3	308.3	294.5	276.4	255.1	245.3
42.5°	348.0	348.0	348.8	349.8	346.5	338.9	326.7	310.3	291.7	270.2	258.3
45°	364.6	364.1	365.8	366.3	363.0	355.3	341.7	325.1	305.1	283.4	270.9
47.5°	377.9	378.1	379.7	380.7	377.8	369.1	355.3	337.7	316.9	294.2	281.4
50°	388.9	390.4	391.9	393.0	389.9	381.2	367.0	347.8	327.1	304.1	290.8
52.5°	399.9	399.9	402.2	403.7	400.2	391.2	376.3	357.6	336.4	312.1	299.1
55°	406.8	407.0	409.8	410.3	408.2	398.9	383.6	365.0	343.7	319.3	305.5
57.5°	413.0	413.2	416.3	417.5	414.5	405.5	389.9	370.6	349.8	324.9	310.9
60°	418.3	418.1	420.8	422.5	419.5	410.0	394.7	375.9	354.7	330.1	315.6
62.5°	421.6	421.6	424.8	426.4	423.3	414.0	398.4	379.7	358.5	333.5	319.3
65°	423.1	423.5	426.4	428.4	425.5	416.0	400.4	382.1	361.1	336.4	321.9
67.5°	423.6	423.8	427.4	429.4	426.6	417.0	401.5	383.6	363.1	338.2	323.6
70°	424.0	424.1	426.9	428.9	426.4	416.8	401.9	384.2	364.3	339.2	324.6
72.5°	422.1	422.6	425.8	428.1	425.1	415.6	401.0	384.2	364.1	339.9	324.9
75°	419.8	421.0	423.8	425.8	423.1	414.0	399.7	383.6	364.0	339.5	324.9
77.5°	417.5	417.6	421.3	423.1	420.3	411.0	397.4	381.9	363.0	338.5	323.7
80°	412.8	413.8	417.0	418.6	416.1	407.3	394.0	379.6	361.1	336.9	321.9
82.5°	409.5	409.2	412.3	413.8	411.3	402.2	390.2	375.9	358.5	334.0	319.4
85°	403.2	403.8	406.3	407.7	404.8	396.5	385.1	372.3	354.8	330.9	316.1
87.5°	397.2	397.5	399.2	400.7	397.9	389.9	379.3	367.1	350.3	326.9	312.4
90°	389.7	389.9	391.7	392.9	390.4	382.9	373.1	361.3	345.5	322.4	308.0
92.5°	382.7	382.4	383.7	384.2	382.1	374.8	366.0	355.0	339.7	316.9	303.0
95°	373.6	373.4	374.6	374.3	371.9	365.6	357.6	348.0	332.9	311.1	297.3
97.5°	363.5	363.6	364.3	364.0	361.5	355.7	349.5	339.9	325.9	304.3	291.0
100°	352.2	352.7	353.7	352.7	350.5	346.2	339.7	331.7	317.9	297.5	284.4
102.5°	342.7	341.4	341.0	340.9	338.7	334.9	329.9	322.9	310.1	290.0	277.4
105°	330.2	329.4	329.2	327.4	326.6	323.4	319.3	312.9	301.5	282.5	270.2
107.5°	317.1	317.3	316.6	314.4	313.3	311.1	308.8	303.1	292.2	274.2	262.9
110°	305.3	304.5	302.6	301.6	300.8	299.0	297.5	293.2	283.0	266.2	254.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	290.7	291.2	289.0	*288.3*	287.0	286.8	285.9	282.4	273.4	257.8	247.1
115°	277.5	277.2	275.0	*273.7*	273.2	273.6	274.2	271.7	263.4	248.6	238.8
117.5°	263.1	262.1	260.6	*259.3*	258.6	259.9	261.4	260.3	253.3	239.3	230.0
120°	247.6	247.8	245.6	*244.3*	244.5	246.6	248.6	248.0	241.3	228.8	220.5
122.5°	233.2	232.3	230.5	*229.2*	230.3	232.7	235.0	234.8	229.0	216.9	209.4
125°	217.4	217.2	215.4	*214.1*	215.1	217.7	220.5	220.9	215.4	205.2	197.8
127.5°	202.4	201.9	201.6	*200.1*	200.8	204.4	206.4	206.2	201.4	192.1	185.6
130°	188.1	188.0	186.0	*185.3*	186.1	189.1	191.1	190.8	187.0	178.8	173.0
132.5°	173.7	173.0	172.2	*171.2*	171.8	174.3	177.0	176.7	172.2	164.4	159.7
135°	159.4	158.9	158.2	*157.6*	158.0	160.5	162.9	162.2	158.4	151.4	146.7
137.5°	146.2	145.8	144.9	*144.1*	144.8	146.7	148.2	147.7	144.6	137.9	133.5
140°	132.6	133.0	132.0	*131.3*	131.6	133.6	134.8	134.1	130.6	125.1	121.5
142.5°	120.2	120.2	119.7	*119.5*	120.0	121.0	122.0	120.7	118.3	112.7	109.7
145°	108.2	108.4	108.2	*107.9*	108.0	109.2	109.4	108.9	106.2	102.0	98.7
147.5°	96.9	97.4	97.1	*97.1*	97.2	97.7	98.4	97.2	94.9	91.2	88.9
150°	86.4	86.8	86.8	*86.4*	86.4	87.1	87.1	86.3	84.4	81.4	79.3
152.5°	77.3	77.4	77.4	*77.1*	77.3	77.4	77.1	76.1	74.6	72.3	70.6
155°	69.0	69.3	68.8	*69.0*	68.5	68.6	68.5	67.8	66.1	64.2	63.2
157.5°	61.5	62.0	61.7	*61.7*	61.3	61.2	61.0	60.3	59.2	57.5	56.3
160°	55.5	55.8	55.3	*55.3*	55.0	55.0	54.3	54.0	52.8	51.4	50.7
162.5°	50.4	50.4	50.2	*50.4*	50.2	49.7	49.4	48.7	47.7	46.5	46.0
165°	46.2	46.0	46.0	*45.9*	45.7	45.4	44.9	44.5	43.5	42.5	42.2
167.5°	43.0	42.9	42.7	*42.5*	42.2	42.0	41.5	41.2	40.4	39.6	39.2
170°	40.4	40.4	40.1	*39.9*	39.7	39.4	38.9	38.4	37.7	37.2	36.9
172.5°	38.1	38.1	37.9	*37.7*	37.6	37.2	36.7	36.4	35.9	35.4	35.1
175°	36.4	36.4	36.2	*35.9*	35.7	35.4	35.1	34.7	34.2	33.9	33.7
177.5°	35.1	35.1	35.1	*34.7*	34.6	34.2	33.9	33.6	33.4	33.1	33.1
180°	33.4	33.4	33.4	*33.4*	33.4	33.4	33.4	33.4	33.4	33.4	33.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
2.5°	19.8	18.8	17.9	16.6	15.5	14.5	13.8	13.3	13.0	12.6
5°	23.6	21.8	19.9	17.9	16.1	14.5	13.1	12.1	11.6	11.6
7.5°	32.2	29.4	26.3	23.4	21.3	19.1	17.1	16.0	15.3	15.0
10°	42.2	38.1	34.9	31.4	27.6	24.9	22.6	21.1	20.3	20.4
12.5°	54.2	49.0	45.0	39.9	35.7	31.6	29.1	26.9	25.9	25.8
15°	67.5	61.5	55.7	49.5	44.0	39.2	35.6	32.7	31.1	30.9
17.5°	81.4	74.0	66.1	59.2	52.0	46.0	41.0	37.7	35.9	35.9
20°	95.6	87.1	77.9	68.8	60.2	52.8	47.0	42.7	40.4	40.1
22.5°	111.8	101.0	90.1	78.9	69.1	60.0	52.5	47.4	44.9	44.4
25°	129.6	116.8	103.7	90.6	78.4	67.5	58.8	53.0	49.5	49.0
27.5°	148.1	132.6	117.2	101.9	87.7	75.6	65.1	57.7	54.2	53.7
30°	166.2	149.2	131.3	113.3	97.4	83.4	71.5	62.8	58.5	57.8
32.5°	184.0	164.7	144.9	125.0	107.5	91.2	77.3	68.0	62.7	62.0
35°	200.9	181.0	157.9	136.4	116.5	99.1	83.4	72.6	66.6	66.0
37.5°	217.5	194.9	170.7	147.1	125.5	105.7	89.1	76.9	70.3	69.6
40°	233.3	208.2	181.8	156.9	133.3	112.3	93.9	80.8	73.3	72.5
42.5°	245.5	219.7	192.1	165.2	140.1	117.3	98.2	83.8	75.6	74.5
45°	257.6	230.0	200.9	172.5	146.1	122.2	101.7	86.4	77.8	76.4
47.5°	267.6	238.8	208.1	178.5	151.1	126.3	104.7	88.2	79.1	77.8
50°	277.0	246.6	214.7	184.0	155.6	130.0	107.2	89.7	79.9	78.6
52.5°	284.4	253.1	220.0	188.3	159.2	132.6	109.2	90.7	80.4	78.9
55°	290.5	258.4	224.4	191.6	162.0	134.9	110.7	91.2	80.4	78.9
57.5°	295.7	262.6	227.8	194.6	164.2	136.4	111.7	91.4	79.9	78.4
60°	300.1	266.4	230.7	196.9	166.2	137.9	112.3	91.4	79.4	77.8
62.5°	303.8	269.1	232.8	198.8	167.7	139.1	112.7	91.1	78.4	76.8
65°	306.0	270.9	234.2	199.8	168.5	139.4	112.7	90.6	77.4	75.8
67.5°	*307.8*	*272.1*	*235.0*	*200.3*	*169.0*	*139.8*	*112.5*	*89.7*	*76.4*	*74.8*
70°	308.6	272.6	235.3	200.6	169.3	139.6	112.0	89.1	75.5	73.5
72.5°	308.8	272.7	235.2	200.6	169.3	139.6	111.5	88.1	74.3	72.5
75°	308.5	272.2	234.7	200.4	169.2	139.1	111.0	87.3	73.3	71.3
77.5°	307.5	271.2	233.8	199.8	168.4	138.6	110.0	86.3	72.1	70.3
80°	305.8	269.6	232.5	198.6	167.4	137.6	109.2	85.3	71.1	69.3
82.5°	303.3	267.4	230.8	197.1	166.4	136.4	108.2	84.3	70.1	68.3
85°	300.3	264.7	228.3	195.3	164.9	135.1	106.9	83.1	69.1	67.3
87.5°	296.2	261.4	225.7	193.1	162.9	133.5	105.4	82.1	68.3	66.5
90°	292.2	257.8	222.9	190.8	161.0	132.0	104.0	80.9	67.6	65.8
92.5°	287.5	253.4	219.4	188.1	158.5	130.0	102.7	79.9	67.0	65.3
95°	282.2	248.8	215.7	185.0	156.2	128.0	101.0	78.9	66.3	64.8
97.5°	276.2	243.8	211.7	181.6	153.4	125.8	99.5	78.1	66.0	64.3
100°	270.1	238.2	207.4	178.3	150.6	123.5	98.1	77.3	65.8	64.3
102.5°	263.1	233.0	203.1	175.0	147.7	121.3	96.6	76.8	65.8	64.3
105°	256.4	227.0	198.4	171.3	144.9	119.2	95.2	76.4	66.0	64.6
107.5°	249.3	221.4	193.8	167.5	141.8	117.0	94.1	76.1	66.3	65.0
110°	242.6	215.9	189.5	163.9	138.9	115.0	92.9	75.9	66.6	65.5

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

Scaled Data Report

REPORT NUMBER: P1223976
CATALOG NUMBER: FFX-CLB-20-722-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	235.3	209.9	184.6	159.9	135.9	112.7	91.7	75.6	67.0	66.0
115°	227.7	203.6	179.8	155.9	132.5	110.5	90.6	75.5	67.3	66.3
117.5°	219.4	196.8	174.0	151.2	128.8	107.9	88.9	74.8	67.3	66.3
120°	210.4	189.6	167.7	146.2	124.6	104.7	87.3	74.0	67.0	66.1
122.5°	200.6	181.1	160.4	139.9	120.0	101.0	84.8	72.5	66.1	65.3
125°	189.8	171.7	152.9	133.1	114.2	96.9	81.8	70.8	64.8	64.2
127.5°	178.5	161.9	143.9	126.0	108.7	92.4	78.6	68.3	63.0	62.3
130°	165.9	150.9	134.6	118.0	102.2	87.3	74.8	65.5	60.7	60.0
132.5°	153.7	140.1	125.5	110.7	95.4	82.3	70.6	62.3	58.2	57.5
135°	141.1	129.1	116.0	102.0	89.1	76.8	66.5	59.2	55.3	54.8
137.5°	128.8	118.7	106.4	94.1	82.6	71.5	62.5	56.2	52.7	52.4
140°	117.3	107.9	97.6	86.8	76.1	66.5	58.7	52.8	50.0	49.5
142.5°	106.2	98.1	88.7	79.6	69.8	61.7	54.8	49.7	47.4	47.0
145°	95.7	88.9	80.8	72.5	64.2	57.0	51.2	46.9	44.9	44.7
147.5°	85.9	80.3	73.1	66.1	59.2	53.2	47.9	44.5	42.7	42.5
150°	76.9	71.8	66.1	60.2	54.3	49.0	45.0	42.0	40.6	40.4
152.5°	68.5	64.5	59.8	55.0	50.0	45.9	42.2	40.1	38.9	38.7
155°	61.2	58.0	54.2	50.0	46.2	42.9	40.1	38.4	37.4	37.4
157.5°	55.0	52.4	49.5	46.2	43.0	40.4	38.4	36.9	36.1	36.1
160°	49.7	47.4	45.2	42.7	40.6	38.4	36.9	35.7	35.1	35.1
162.5°	45.2	43.5	41.9	40.1	38.2	36.9	35.6	34.7	34.4	34.2
165°	41.5	40.6	39.2	37.9	36.7	35.6	34.7	34.2	33.9	33.9
167.5°	38.7	38.1	37.1	36.2	35.4	34.6	34.1	33.7	33.6	33.6
170°	36.6	36.1	35.4	34.9	34.4	33.9	33.6	33.4	33.2	33.2
172.5°	34.9	34.4	34.1	33.9	33.6	33.4	33.2	33.1	33.1	33.1
175°	33.7	33.4	33.4	33.2	33.1	33.1	32.9	32.9	32.9	33.1
177.5°	32.9	32.9	32.9	32.9	32.9	33.1	33.1	33.1	33.2	33.2
180°	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4

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

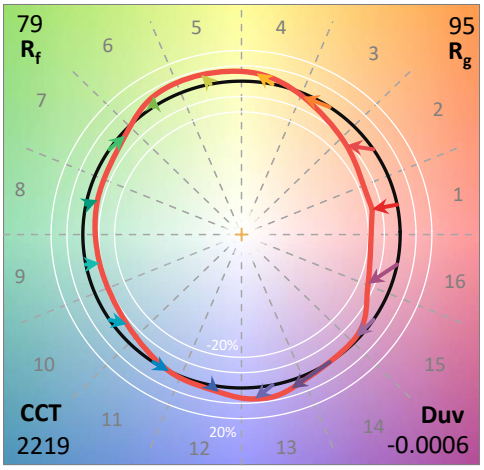
Test Information

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

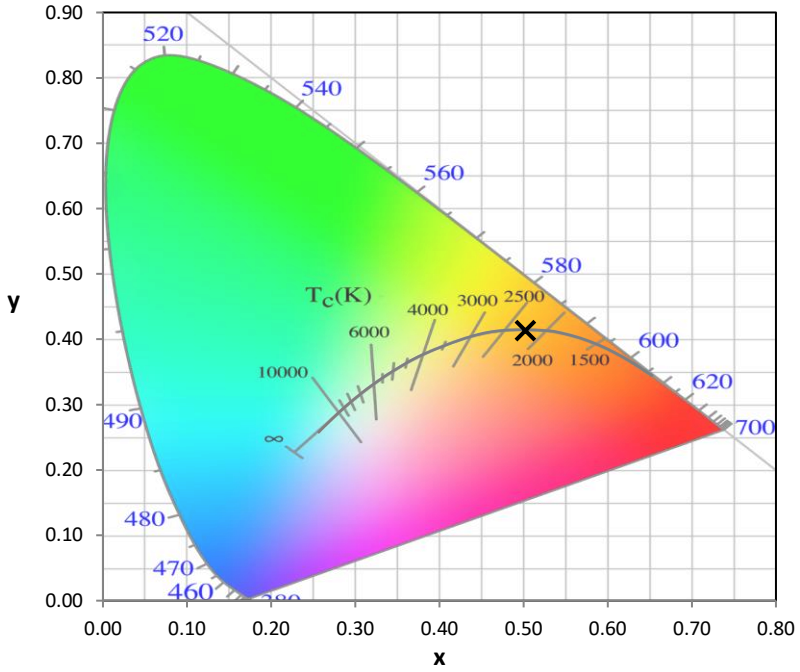
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

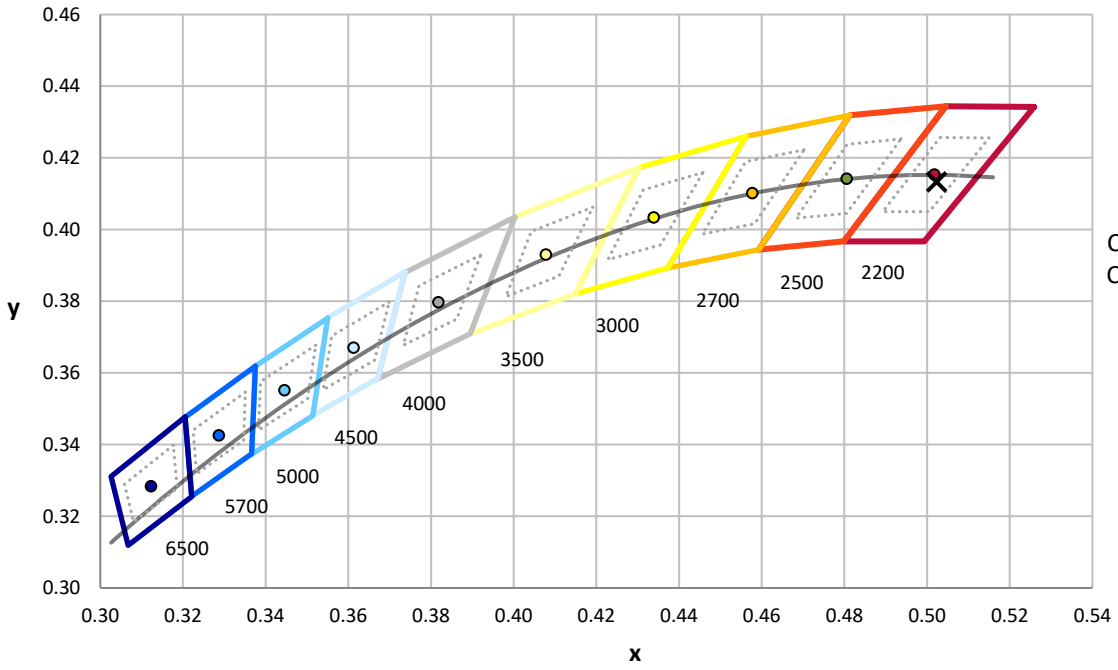
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

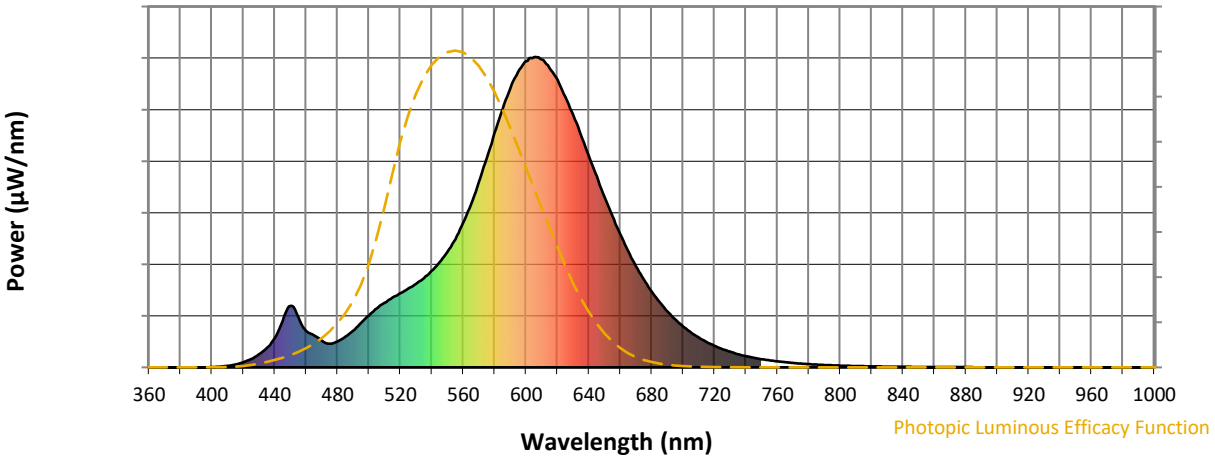


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

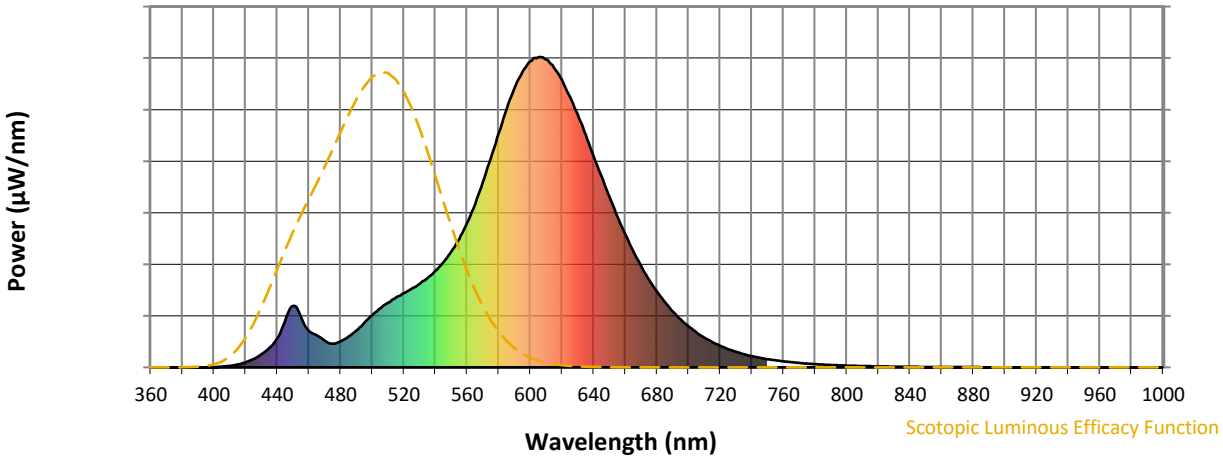


Photopic Lumens: NR

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

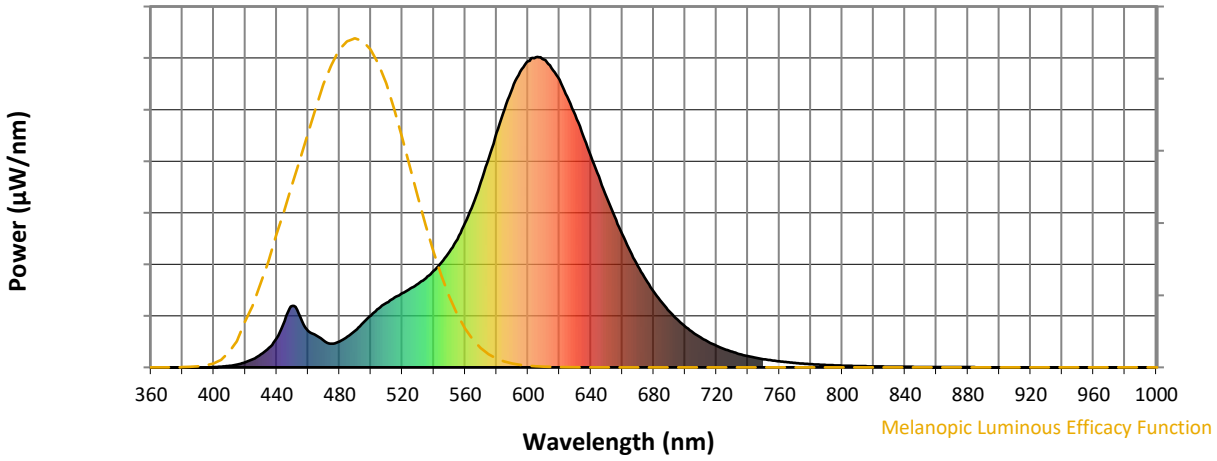


Scotopic Lumens: NR **S/P: 0.94**

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			

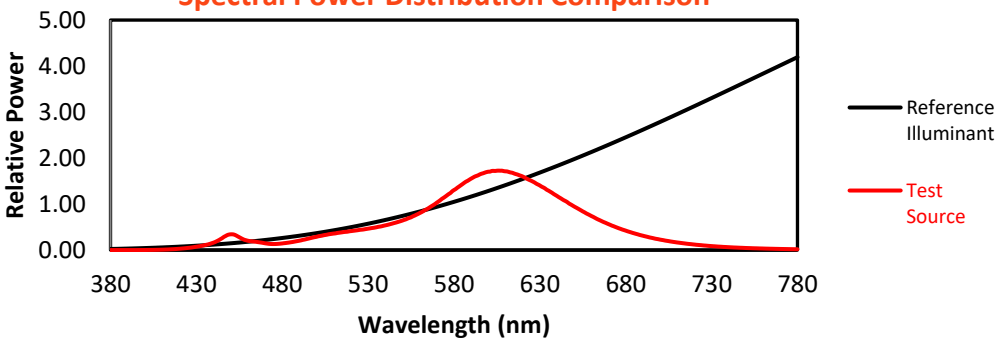
REPORT NUMBER: SP1-2501-332-2

TM-30-18

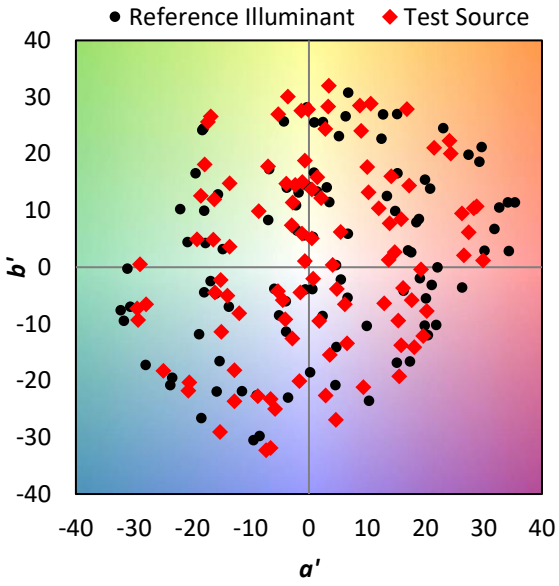
Summary

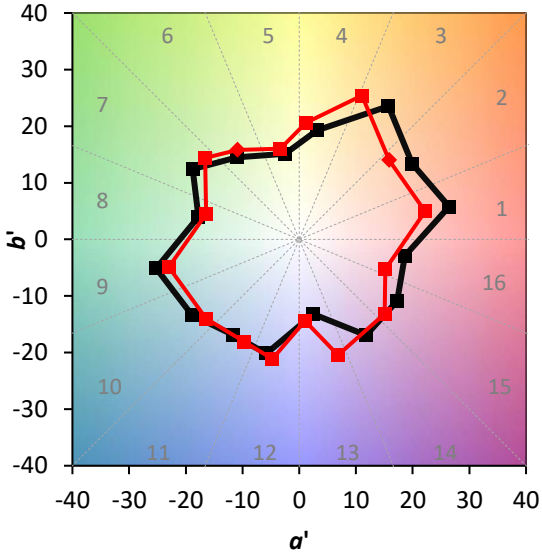
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

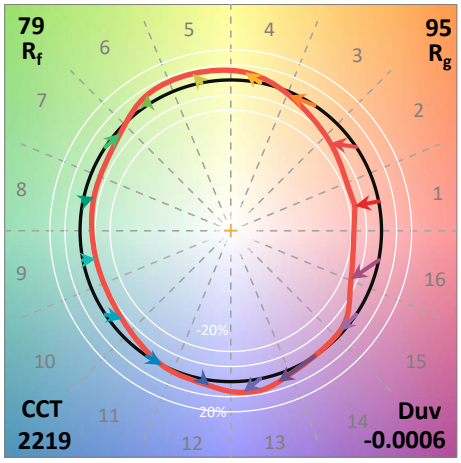
Spectral Power Distribution Comparison

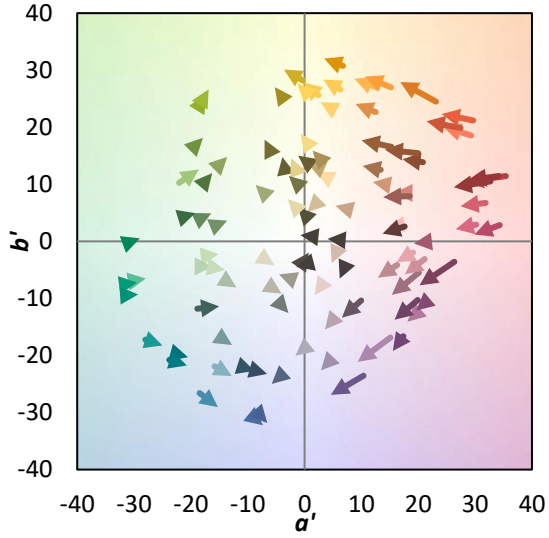


Color Vector Graphics







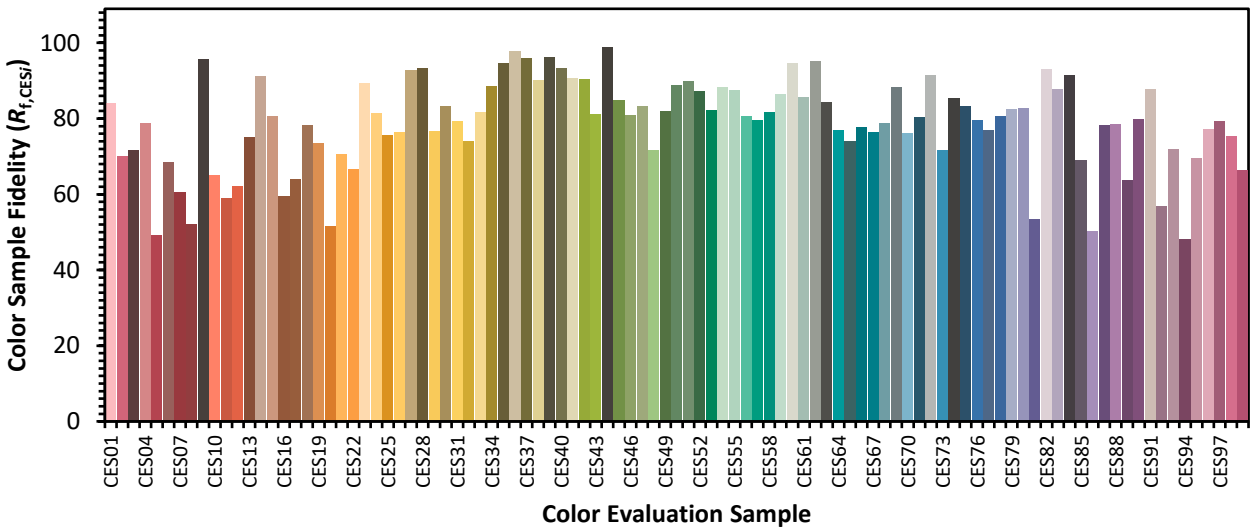


REPORT NUMBER: SP1-2501-332-2

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

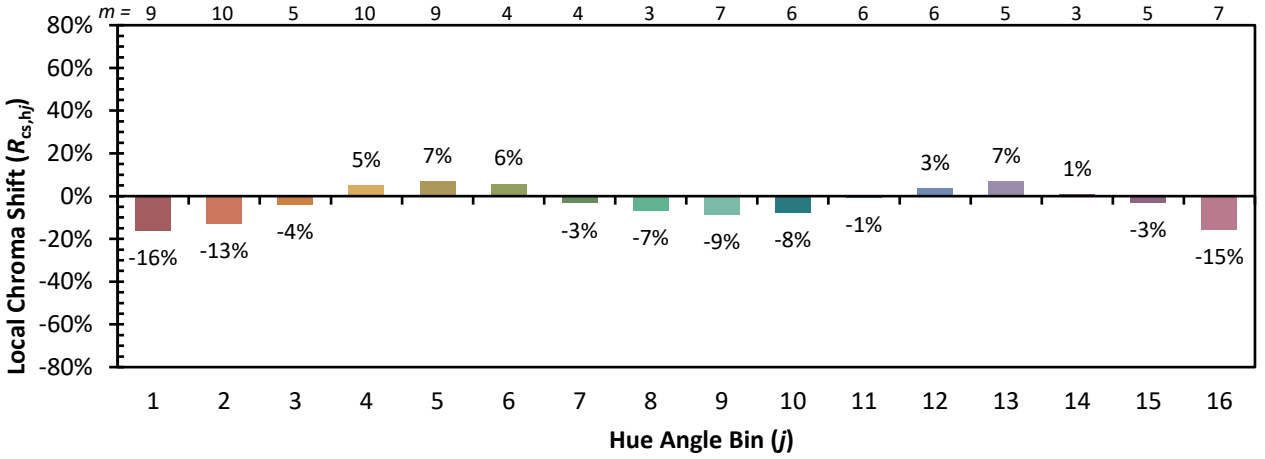
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57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

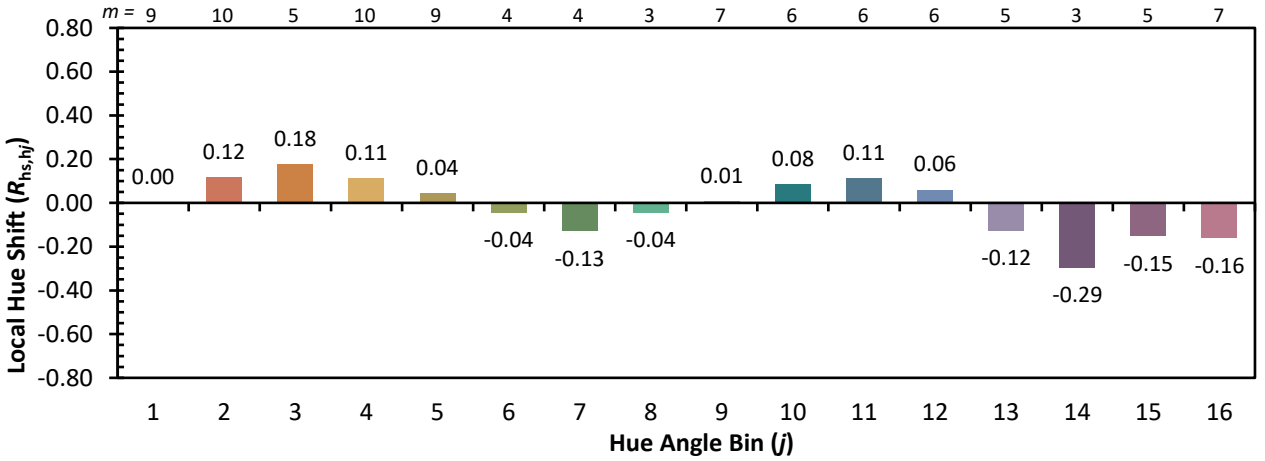


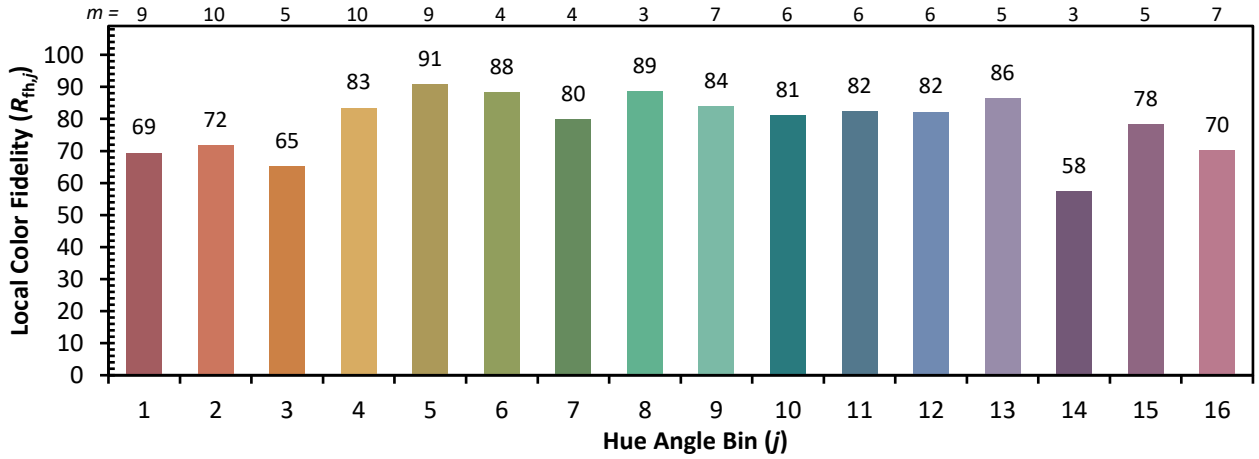
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



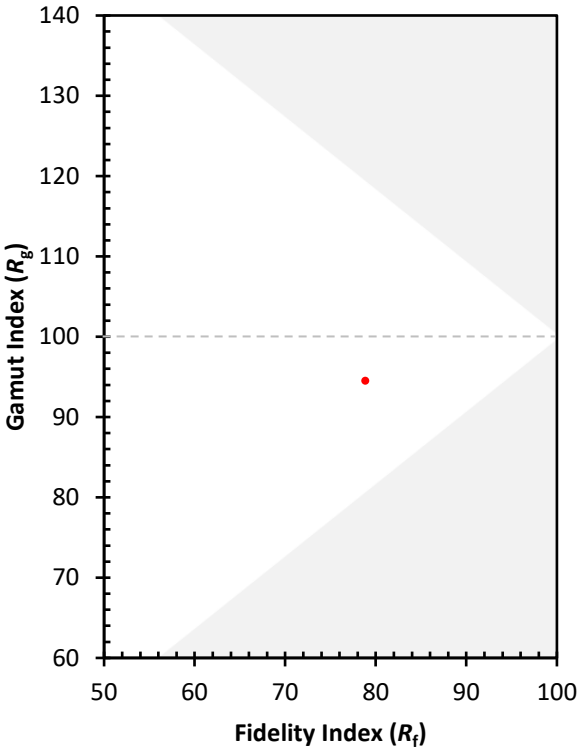


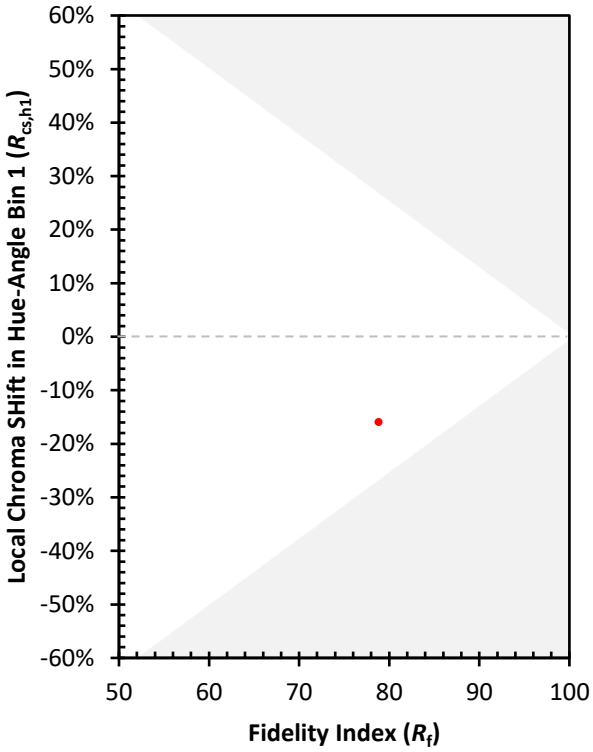


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TM-30-18

Measure Comparisons





(END OF REPORT)