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: P1223930

Luminaire Tested: **FFX-CLB-30-722-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223930
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-722-U-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3629.3 lumens
Efficiency:	N/A
Efficacy:	118.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

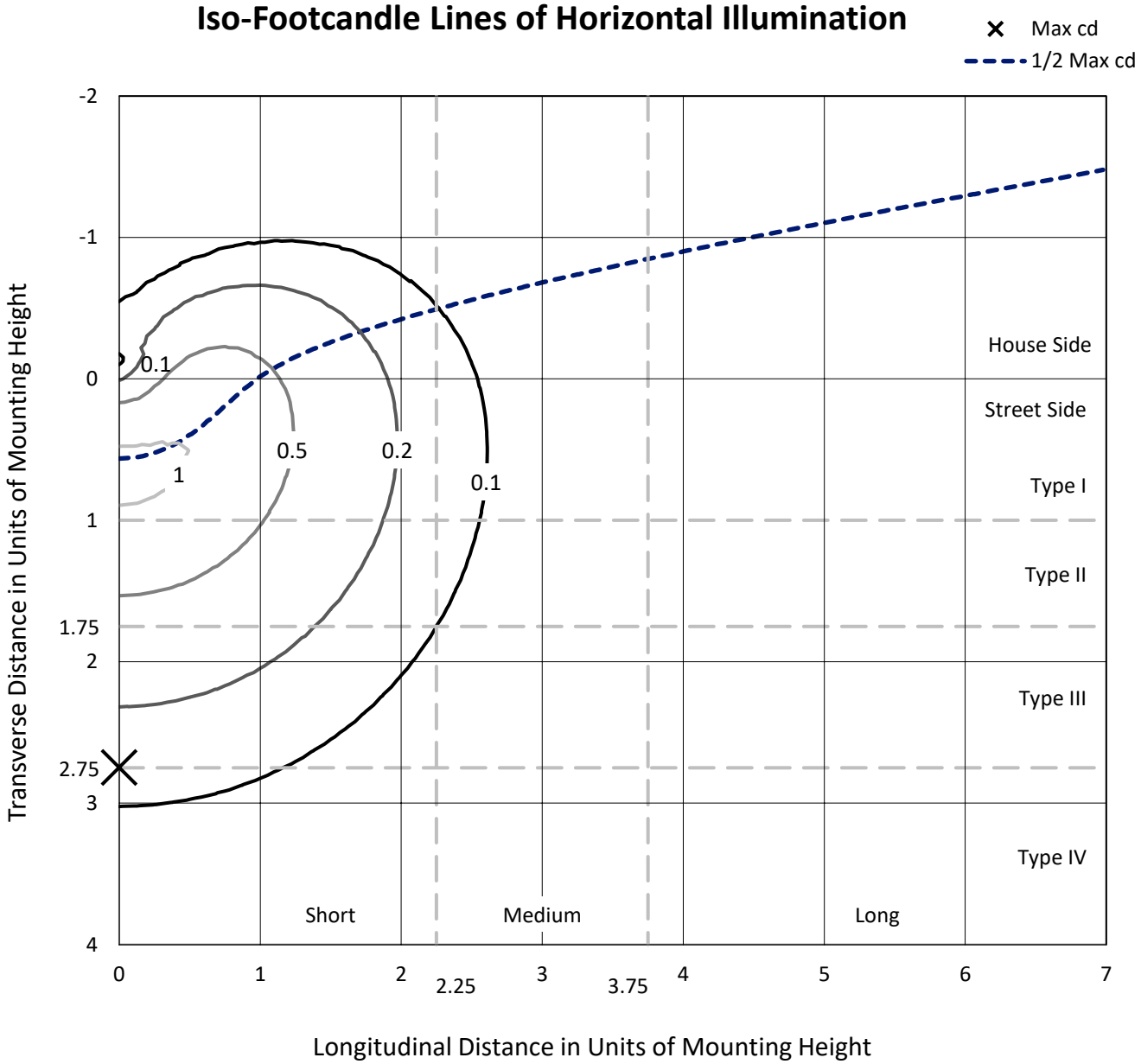


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Iso-Footcandle Lines of Horizontal Illumination



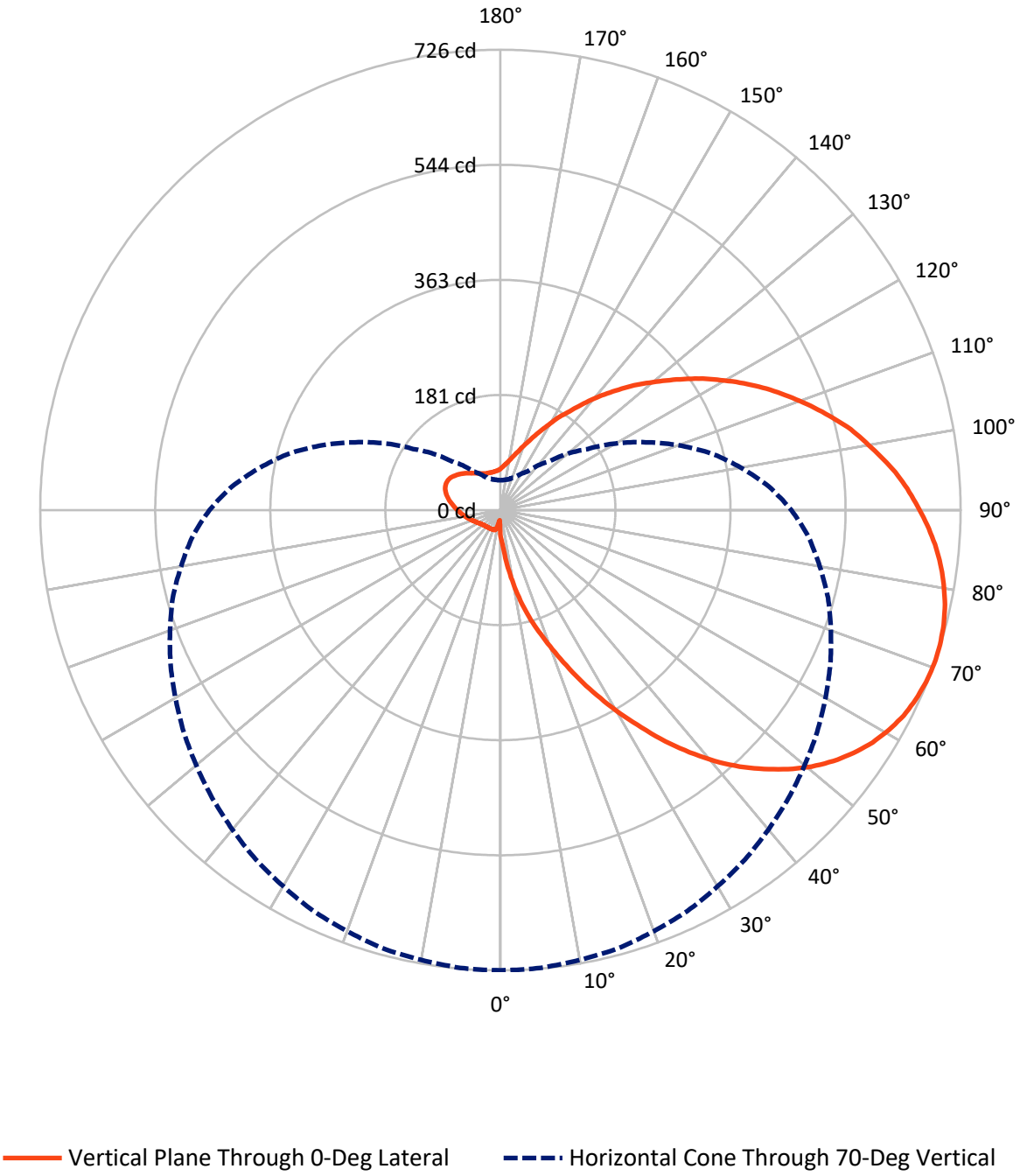
Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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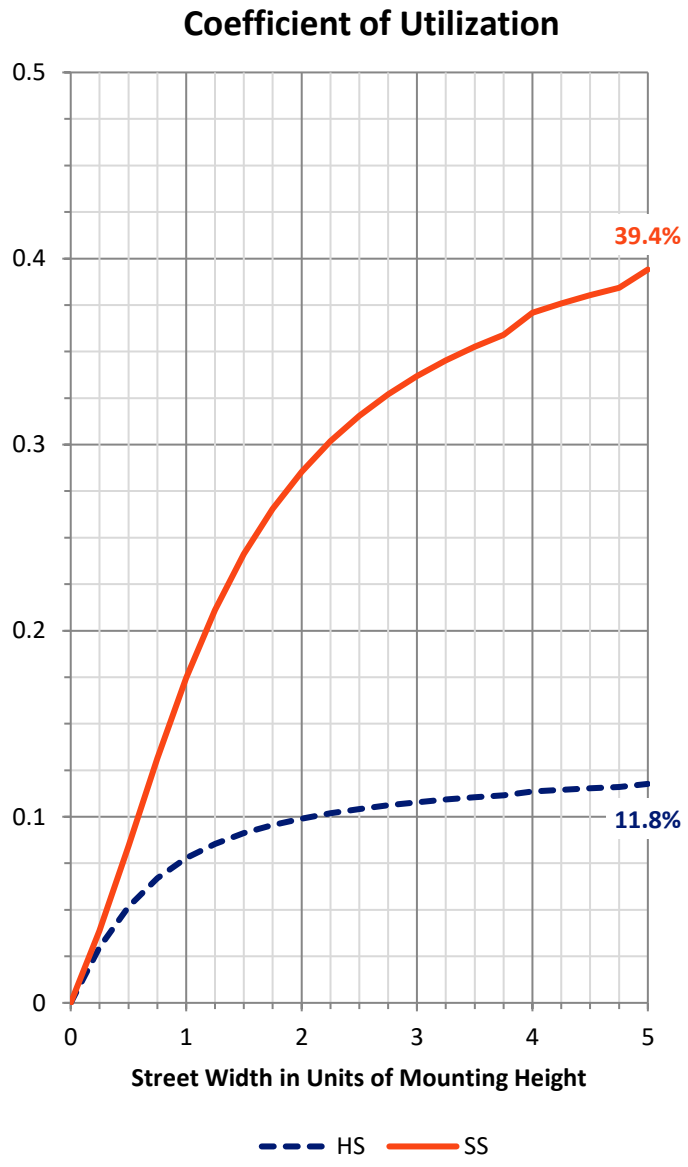
REPORT NUMBER: P1223930
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	465.4	449.0	914.4
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	1634.7	1080.2	2714.9
	% Fixture	45.0	29.8	74.8
Total	Lumens	2100.1	1529.2	3629.3
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.2
10°-20°	31.7	0.9
20°-30°	83.5	2.3
30°-40°	162.2	4.5
40°-50°	252.7	7.0
50°-60°	333.3	9.2
60°-70°	391.4	10.8
70°-80°	421.1	11.6
80°-90°	418.7	11.5
90°-100°	389.3	10.7
100°-110°	341.8	9.4
110°-120°	281.1	7.7
120°-130°	211.6	5.8
130°-140°	143.4	4.0
140°-150°	86.8	2.4
150°-160°	46.8	1.3
160°-170°	22.0	0.6
170°-180°	6.4	0.2
0°-90°	2100.1	57.9
0°-180°	3629.3	100.0



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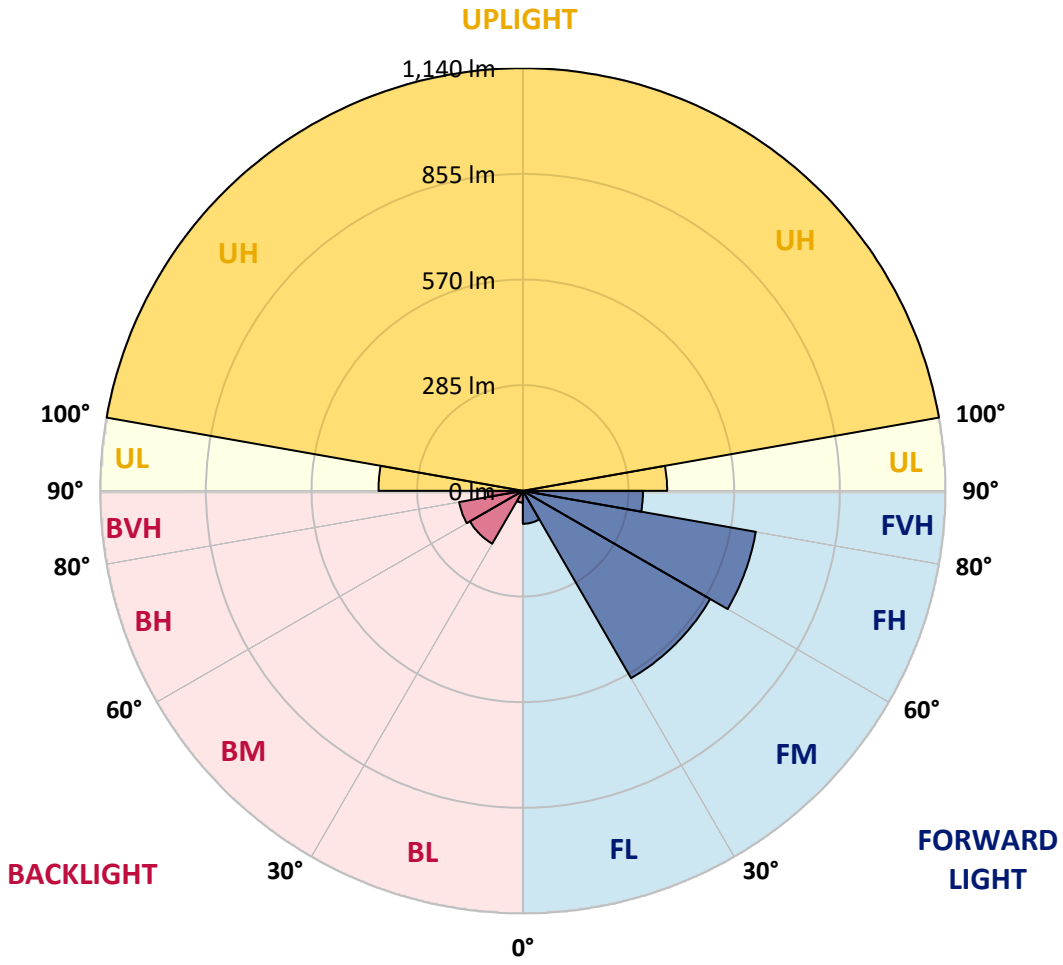
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	88.9	2.4			
FM	(30°-60°)	583.5	16.1			
FH	(60°-80°)	638.1	17.6			G0/660
FVH	(80°-90°)	324.2	8.9			G3/500
BL	(0°-30°)	31.8	0.9	B0/110		
BM	(30°-60°)	164.7	4.5	B0/220		
BH	(60°-80°)	174.4	4.8	B1/500		G1/500
BVH	(80°-90°)	94.5	2.6			G1/100
UL	(90°-100°)	389.3	10.7		U3/500	
UH	(100°-180°)	1139.9	31.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*41.5*	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
2.5°	*50.6*	50.8	50.6	50.6	51.1	50.6	50.0	48.2	46.0	43.4	42.0
5°	*70.8*	70.8	72.1	72.1	70.8	67.9	64.4	59.6	55.4	50.8	47.6
7.5°	*96.6*	97.1	96.1	93.4	91.8	86.0	82.5	76.4	71.1	64.9	62.0
10°	*123.5*	123.7	122.4	120.0	115.0	109.1	104.1	96.9	89.9	82.0	77.7
12.5°	*152.2*	151.7	149.3	144.0	141.0	134.4	127.7	120.3	111.0	101.1	96.1
15°	*179.6*	178.6	177.5	171.9	167.9	161.3	153.6	143.4	132.5	121.6	114.2
17.5°	*206.0*	203.6	202.0	199.3	193.2	187.3	177.5	165.5	153.8	139.4	131.7
20°	*234.2*	234.7	232.1	228.3	221.7	213.2	203.6	190.8	176.2	159.1	149.8
22.5°	*265.9*	265.9	264.3	259.5	252.5	241.6	230.5	217.2	199.1	181.2	169.8
25°	*301.0*	299.1	297.0	290.9	285.0	273.3	260.0	245.6	226.7	205.2	192.4
27.5°	*335.8*	335.0	332.9	326.3	318.8	306.6	293.3	274.6	254.1	228.9	215.6
30°	*372.8*	372.0	369.9	363.5	352.6	340.6	324.7	304.7	282.4	253.9	239.2
32.5°	*408.5*	408.5	405.8	399.2	387.7	373.4	356.3	334.0	309.2	280.0	262.4
35°	*448.1*	447.9	443.1	435.1	421.3	408.8	389.6	366.2	338.2	304.7	286.1
37.5°	*484.6*	483.3	478.5	470.0	457.2	441.0	419.4	393.6	364.9	329.2	308.2
40°	*520.5*	518.9	514.7	505.1	489.7	471.3	449.2	421.5	389.1	352.1	330.3
42.5°	*553.0*	552.5	546.3	534.9	519.5	498.7	475.0	445.8	413.3	373.4	350.2
45°	*582.5*	582.5	576.4	563.9	546.3	525.3	499.2	469.2	434.6	392.8	368.3
47.5°	*610.5*	610.5	604.6	590.3	570.8	547.7	521.1	489.9	453.2	410.4	384.3
50°	*635.8*	634.7	628.0	612.1	592.4	568.2	540.2	507.5	470.5	426.1	399.7
52.5°	*657.6*	656.3	648.5	633.6	611.5	585.7	556.5	523.2	484.6	439.6	412.8
55°	*675.9*	675.1	667.7	650.7	627.5	601.7	570.6	536.0	497.9	451.1	423.9
57.5°	*691.9*	690.6	681.8	664.5	641.4	613.1	581.7	547.4	508.0	461.5	433.2
60°	*703.9*	702.6	693.5	676.2	652.8	623.0	591.6	556.7	516.8	469.7	441.0
62.5°	*713.7*	712.1	703.4	685.0	660.5	631.2	599.0	563.6	523.7	476.4	447.6
65°	*719.9*	718.5	710.0	691.6	666.4	636.8	604.6	569.0	529.3	481.4	452.7
67.5°	*723.8*	722.8	714.0	696.2	670.9	640.8	608.1	572.4	533.0	485.1	456.4
70°	*725.7*	*724.6*	*715.6*	*697.5*	*672.5*	*642.4*	*609.7*	*574.0*	*534.9*	*487.8*	*458.8*
71°	*725.7*	724.6	715.9	697.8	672.8	642.7	609.9	574.3	535.2	488.1	459.1
72.5°	*724.9*	724.1	715.3	697.0	672.0	642.1	609.2	574.0	535.2	488.3	459.6
75°	*722.0*	720.4	711.9	694.0	669.3	639.5	606.8	571.6	533.6	487.5	459.1
77.5°	*716.7*	715.3	706.6	689.3	664.5	634.4	602.0	567.6	530.4	484.9	456.9
80°	*708.9*	707.6	699.1	681.3	656.8	627.8	595.3	561.5	524.8	480.6	453.2
82.5°	*699.1*	698.0	689.8	672.0	647.7	619.0	586.5	553.5	518.7	474.8	447.9
85°	*687.4*	686.1	677.0	659.4	636.3	607.6	575.9	544.0	509.9	467.6	441.5
87.5°	*673.3*	672.5	663.4	646.7	623.5	595.0	564.7	533.6	500.0	459.6	434.3
90°	*657.9*	657.6	648.0	631.2	608.4	581.5	551.4	521.1	488.6	450.0	425.5
92.5°	*642.4*	642.4	632.8	615.5	592.9	566.3	537.8	508.6	477.7	440.4	417.0
95°	*625.4*	623.5	614.5	599.0	576.4	550.9	523.5	494.7	464.9	429.5	407.4
97.5°	*605.4*	604.9	596.1	579.6	558.9	534.4	507.8	481.1	452.4	418.3	397.3
100°	*586.0*	584.9	576.7	561.5	540.2	516.8	491.8	466.2	439.1	406.9	386.7
102.5°	*566.8*	564.2	555.7	540.2	521.6	498.7	475.3	451.9	425.3	394.7	375.8
105°	*543.7*	543.4	534.6	520.0	501.1	480.9	458.8	435.9	411.7	382.1	364.6
107.5°	*521.1*	521.1	512.8	498.4	480.6	461.2	441.5	419.9	397.6	369.1	353.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*497.9*	497.6	490.2	477.4	460.4	441.8	423.7	404.0	381.6	356.6	340.9
112.5°	*475.0*	474.5	467.3	454.3	438.6	423.4	405.3	387.2	366.7	343.6	328.7
115°	*451.9*	451.3	443.6	432.2	417.8	402.1	386.9	369.6	351.8	328.7	315.6
117.5°	*427.9*	427.4	421.0	409.8	396.3	383.7	368.6	353.7	335.6	314.6	301.5
120°	*403.4*	403.7	397.3	387.2	374.7	363.0	349.7	336.1	319.3	299.4	286.9
122.5°	*380.3*	378.4	374.2	365.1	353.9	343.0	331.9	318.0	302.3	283.4	272.5
125°	*355.5*	355.0	350.7	341.7	332.1	323.6	313.2	300.7	286.3	267.2	257.3
127.5°	*331.6*	332.4	327.6	320.9	311.6	304.4	293.8	282.9	269.0	251.8	242.4
130°	*309.2*	308.7	306.0	299.1	291.4	284.0	276.0	266.1	253.1	235.8	227.3
132.5°	*288.5*	286.1	283.7	277.8	271.4	265.3	258.4	248.6	235.3	220.1	212.6
135°	*265.9*	265.9	262.1	257.1	252.5	246.7	239.8	230.7	219.3	206.0	197.5
137.5°	*245.1*	244.0	241.6	237.6	233.4	229.1	223.3	214.2	204.1	191.3	183.9
140°	*225.4*	224.6	222.5	219.0	215.6	211.6	206.2	198.5	189.2	177.0	170.6
142.5°	*204.9*	205.4	203.6	201.2	197.2	194.5	189.7	182.8	174.6	163.9	157.8
145°	*186.6*	186.8	186.0	183.6	180.7	178.0	173.0	167.9	159.9	150.4	145.8
147.5°	*171.4*	170.3	168.7	167.4	164.7	162.6	158.6	153.8	146.4	138.1	133.9
150°	*154.4*	155.1	153.6	152.0	150.4	147.4	144.5	140.5	133.6	126.9	122.4
152.5°	*140.0*	140.5	139.2	138.4	136.8	134.4	131.5	127.7	122.4	116.6	112.3
155°	*127.2*	127.2	127.2	126.1	124.3	122.7	119.8	116.3	111.8	106.4	103.5
157.5°	*115.5*	115.8	115.8	114.4	113.1	111.8	109.4	106.4	102.5	97.9	95.8
160°	*106.2*	105.6	105.4	104.3	103.3	102.2	100.1	97.7	94.2	90.5	88.6
162.5°	*96.9*	96.9	96.3	95.5	94.7	93.1	91.8	89.4	87.0	84.4	82.2
165°	*89.7*	89.4	89.4	88.4	87.6	86.2	84.9	83.3	81.2	78.8	77.2
167.5°	*83.6*	83.0	82.8	82.2	81.2	80.4	79.0	77.7	76.1	74.5	73.2
170°	*77.7*	78.0	77.4	76.9	76.4	75.6	74.5	73.4	72.1	70.5	70.0
172.5°	*73.7*	73.4	73.2	72.7	72.1	71.3	70.8	69.7	68.9	67.9	67.3
175°	*70.0*	70.0	69.7	69.2	68.7	68.1	67.6	67.1	66.5	65.7	65.5
177.5°	*67.1*	67.1	67.1	66.5	66.3	66.0	65.5	65.2	64.9	64.4	64.4
180°	*64.1*	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
2.5°	40.7	37.3	34.3	31.7	29.5	27.7	26.6	24.7	23.4	22.6
5°	45.8	40.7	36.5	32.2	29.0	25.5	22.1	18.6	16.5	16.2
7.5°	58.0	52.4	46.0	40.5	34.1	28.7	24.2	20.8	19.4	19.2
10°	73.4	65.2	56.7	48.4	40.2	33.5	28.7	25.5	24.0	23.7
12.5°	90.5	79.3	68.4	57.7	47.9	40.5	34.6	30.9	29.0	29.0
15°	108.0	94.2	80.4	67.3	55.9	46.6	39.4	34.6	32.5	32.2
17.5°	123.5	107.8	91.3	75.8	62.0	50.3	41.8	35.9	33.3	33.0
20°	141.0	121.1	102.2	83.0	66.8	53.2	43.1	36.5	33.0	32.7
22.5°	159.7	137.1	113.6	91.3	71.9	56.2	44.4	37.0	33.3	32.7
25°	180.7	153.6	125.3	99.5	76.9	58.8	45.8	37.5	33.5	33.0
27.5°	200.7	170.6	137.9	107.2	81.4	61.2	46.8	38.1	33.8	33.3
30°	221.9	187.3	150.1	115.5	86.2	63.6	47.9	38.3	33.8	33.3
32.5°	243.5	203.6	162.9	122.9	90.2	65.2	48.4	38.6	34.1	33.5
35°	266.4	221.1	174.8	130.7	93.9	66.8	49.0	38.9	34.1	33.5
37.5°	287.4	237.9	186.6	137.3	97.1	68.1	49.5	38.9	34.3	33.8
40°	306.3	253.1	196.9	143.2	99.8	68.9	49.8	39.1	34.6	34.1
42.5°	324.9	268.0	206.2	148.0	101.9	69.5	50.0	39.4	34.9	34.3
45°	341.4	280.5	214.8	152.5	103.5	70.0	50.3	39.7	35.1	34.6
47.5°	356.1	292.2	222.7	156.2	104.6	70.3	50.6	39.9	35.7	35.1
50°	370.2	303.4	228.9	159.1	105.6	70.5	50.6	40.5	36.5	35.9
52.5°	382.1	312.4	234.5	161.5	106.2	70.8	51.1	41.0	37.0	36.7
55°	392.5	320.4	239.5	163.4	106.7	70.8	51.6	41.8	38.1	37.5
57.5°	401.0	326.8	243.0	164.5	106.7	71.1	51.9	42.8	39.1	38.6
60°	408.5	332.4	246.2	165.8	107.0	71.3	52.7	43.9	40.5	40.2
62.5°	414.6	336.6	248.6	166.6	107.2	72.1	53.8	45.2	41.8	41.5
65°	419.4	340.4	250.4	167.1	107.5	72.7	54.8	46.6	43.6	43.4
67.5°	422.6	343.0	251.8	167.4	107.8	73.4	56.2	48.4	45.5	45.0
70°	*425.0*	*344.6*	*252.5*	*167.7*	*108.3*	*74.2*	*57.7*	*50.0*	*47.4*	*47.1*
71°	425.5	344.9	252.8	167.7	108.6	74.8	58.3	50.8	48.2	47.9
72.5°	425.8	345.2	252.8	167.7	108.8	75.6	59.3	52.2	49.5	49.2
75°	425.5	344.9	252.5	167.7	109.4	76.9	61.2	54.0	51.6	51.4
77.5°	423.7	343.8	251.8	167.7	110.2	78.5	63.3	56.7	54.0	53.8
80°	420.5	341.7	250.4	167.4	111.0	80.4	65.5	59.1	56.4	56.2
82.5°	416.2	338.5	248.6	167.4	112.0	82.0	67.6	61.2	59.1	58.8
85°	410.6	334.8	246.7	167.1	113.4	84.1	70.3	64.1	62.0	61.5
87.5°	404.0	330.3	244.6	167.1	114.7	86.5	72.9	66.8	64.7	64.1
90°	396.5	325.2	242.4	167.1	116.3	88.9	75.8	69.7	67.3	67.1
92.5°	389.1	320.4	240.3	167.4	118.4	91.5	78.8	72.9	70.5	70.5
95°	380.6	314.6	237.9	167.9	120.6	94.5	82.2	76.1	73.7	73.4
97.5°	372.0	309.2	236.0	168.7	122.9	97.9	85.4	79.6	77.2	76.6
100°	362.5	303.6	234.2	169.8	125.9	101.1	88.9	83.0	80.6	80.4
102.5°	353.1	297.5	232.1	171.1	128.8	104.9	92.6	86.5	84.1	83.8
105°	343.0	291.1	229.7	172.2	131.7	108.3	96.1	89.7	87.0	87.0
107.5°	333.2	284.5	227.3	173.5	134.7	111.8	99.3	92.9	89.9	89.7

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

Scaled Data Report

REPORT NUMBER: P1223930
CATALOG NUMBER: FFX-CLB-30-722-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	322.0	277.3	224.3	174.3	137.3	114.7	102.2	95.3	92.3	92.1
112.5°	311.9	269.6	221.1	174.6	139.7	117.4	104.6	97.4	94.5	93.9
115°	299.1	261.6	216.9	174.0	141.0	119.5	106.2	98.7	95.5	95.0
117.5°	286.9	252.5	212.4	172.7	141.8	120.6	107.2	99.5	96.1	95.5
120°	274.4	242.4	206.0	170.3	141.0	120.6	107.2	99.0	95.5	95.3
122.5°	260.3	231.8	199.3	166.9	139.7	119.5	106.2	98.2	94.5	94.2
125°	245.6	220.3	191.3	162.1	137.1	117.9	104.6	96.6	92.9	92.6
127.5°	231.5	208.6	183.1	156.5	133.3	115.2	102.5	94.2	90.5	89.9
130°	217.7	196.4	173.8	149.8	128.8	111.8	99.5	91.8	88.1	87.6
132.5°	203.3	184.7	164.5	143.4	124.0	108.0	96.3	88.9	85.4	84.9
135°	189.7	172.4	154.4	135.7	118.4	103.8	92.9	86.0	82.5	82.2
137.5°	176.7	161.0	145.0	128.3	112.8	99.5	89.4	83.0	79.8	79.3
140°	163.4	149.8	135.5	121.1	106.7	95.0	86.0	79.8	76.9	76.4
142.5°	152.0	139.2	126.4	113.1	100.9	90.2	82.2	76.6	74.2	74.0
145°	140.0	128.8	117.4	105.9	95.3	86.0	78.8	74.0	71.6	71.3
147.5°	129.3	118.7	108.8	99.0	89.7	81.4	75.3	71.3	69.5	69.2
150°	118.4	109.9	101.4	92.3	84.4	77.4	72.4	68.9	67.1	66.8
152.5°	108.8	101.7	93.9	87.0	79.6	74.0	69.7	66.5	65.2	64.9
155°	100.6	94.5	88.1	81.7	75.8	71.3	67.6	64.9	63.9	63.9
157.5°	93.4	88.1	82.8	77.4	72.7	68.7	65.7	63.9	62.8	62.5
160°	86.5	82.2	77.4	73.4	69.7	66.8	64.4	62.8	62.0	61.7
162.5°	80.9	77.2	74.0	70.5	67.6	65.2	63.3	62.0	61.5	61.5
165°	76.1	73.4	70.5	68.1	65.7	63.9	62.5	61.7	61.2	61.2
167.5°	72.4	70.0	68.1	66.0	64.4	63.1	62.0	61.5	61.2	60.9
170°	69.2	67.6	66.0	64.7	63.3	62.5	61.7	61.5	61.2	61.2
172.5°	66.8	65.7	64.7	63.6	62.8	62.0	61.7	61.5	61.5	61.5
175°	64.9	64.4	63.6	63.1	62.5	62.3	62.0	62.0	62.0	62.0
177.5°	64.1	63.6	63.3	63.1	62.8	62.8	62.8	63.1	63.1	63.1
180°	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1

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

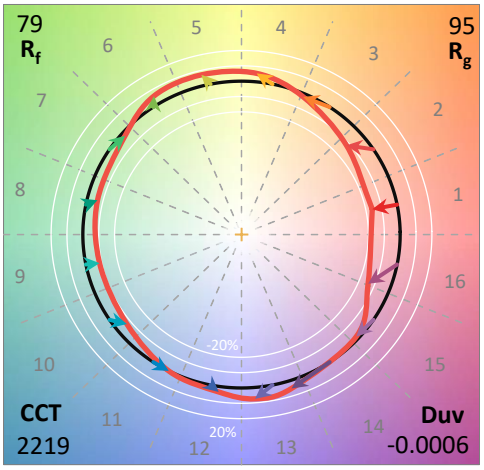
Test Information

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

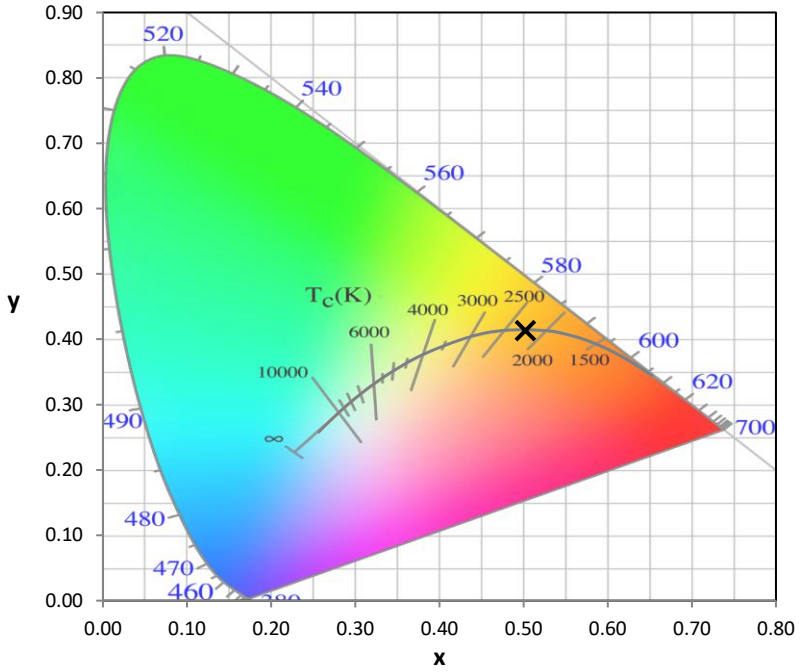
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

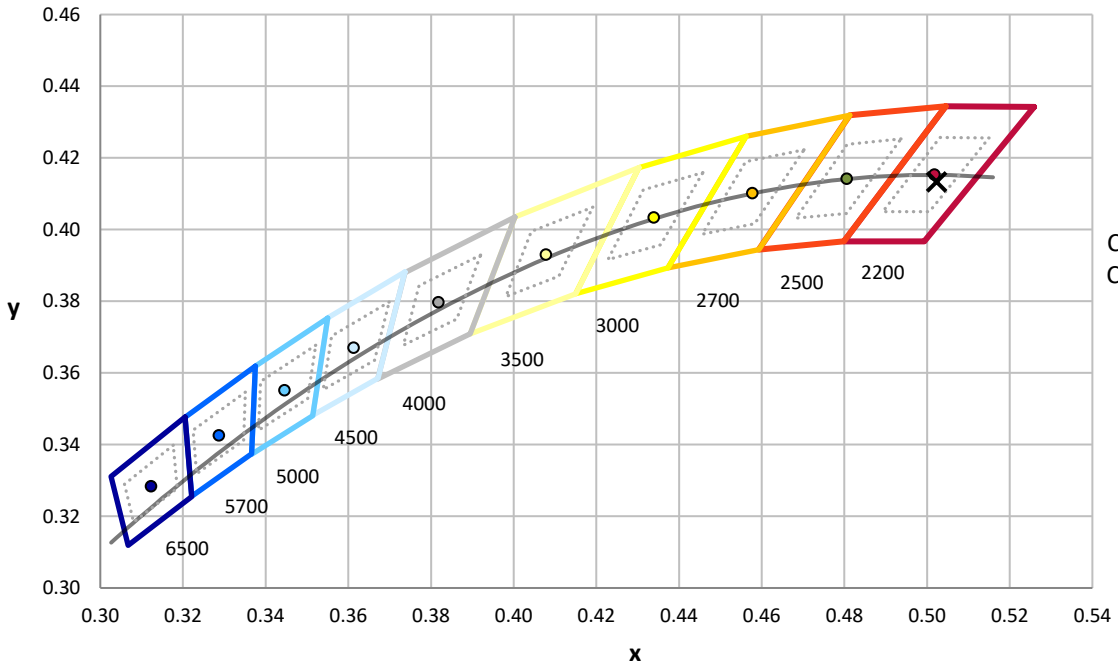
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

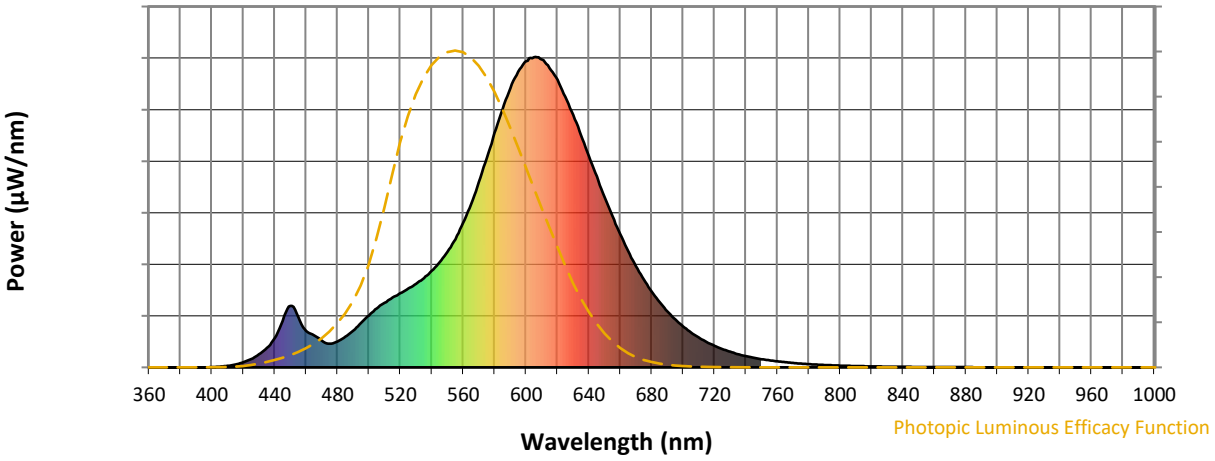


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

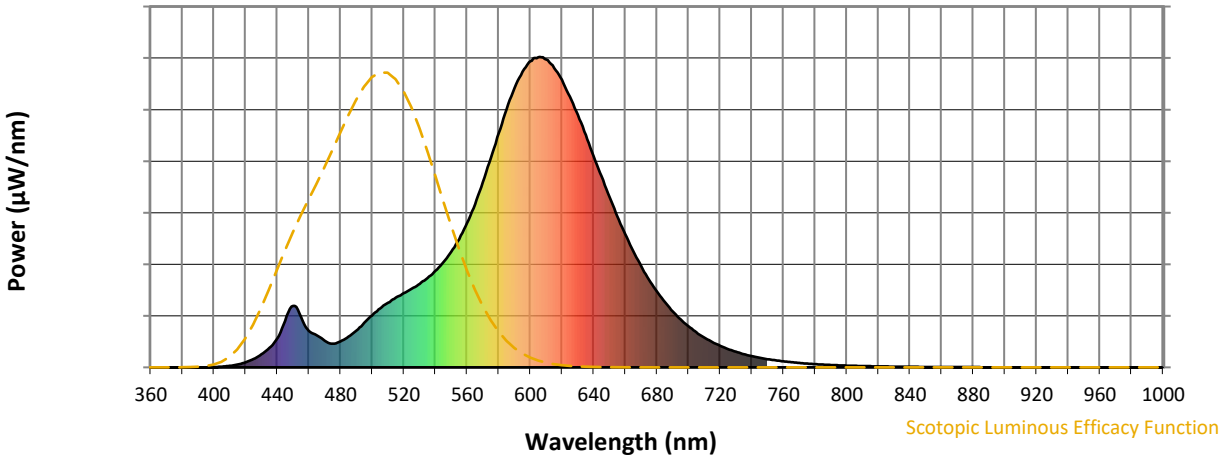


Photopic Lumens: NR

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

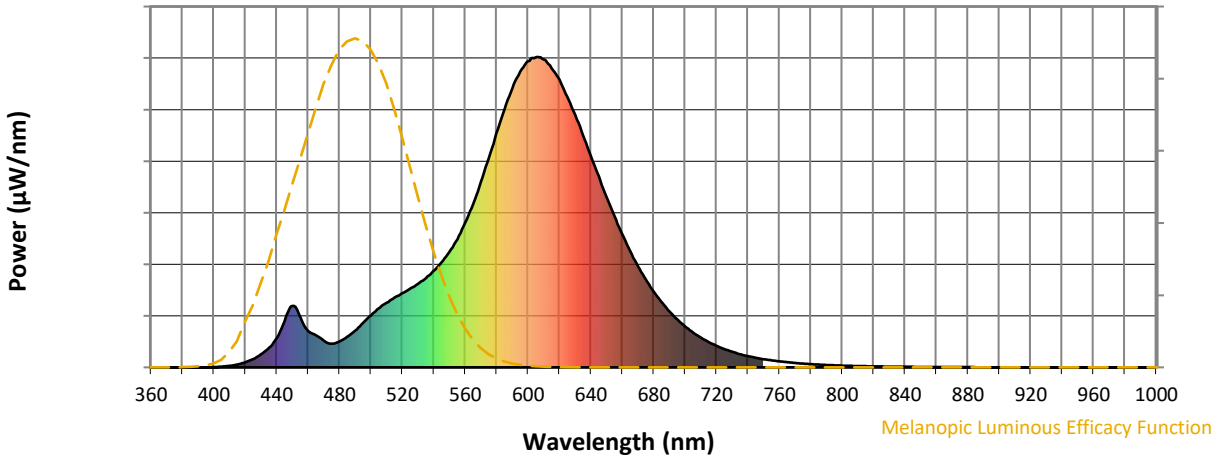


Scotopic Lumens: NR **S/P: 0.94**

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			

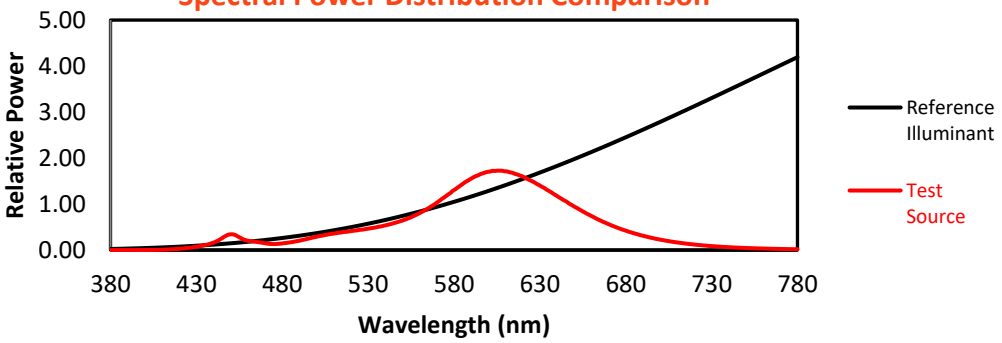
REPORT NUMBER: SP1-2501-332-2

TM-30-18

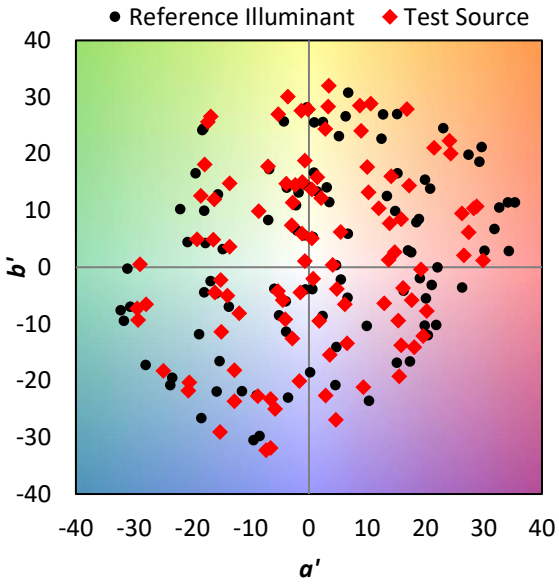
Summary

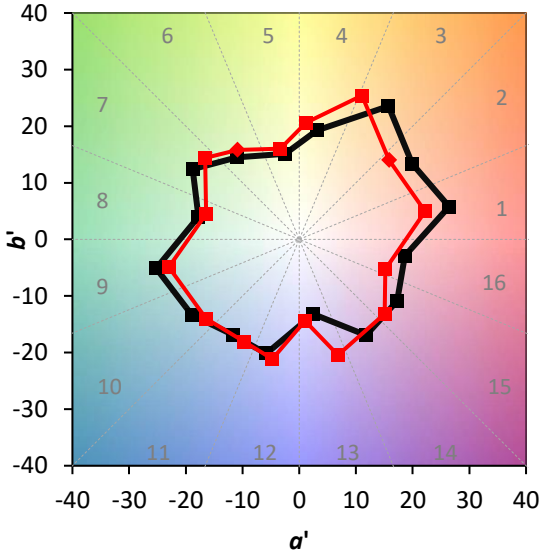
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

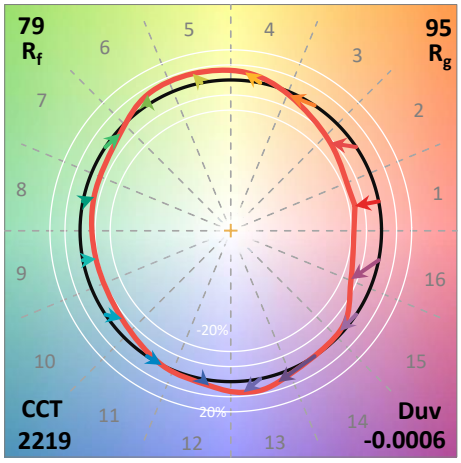
Spectral Power Distribution Comparison

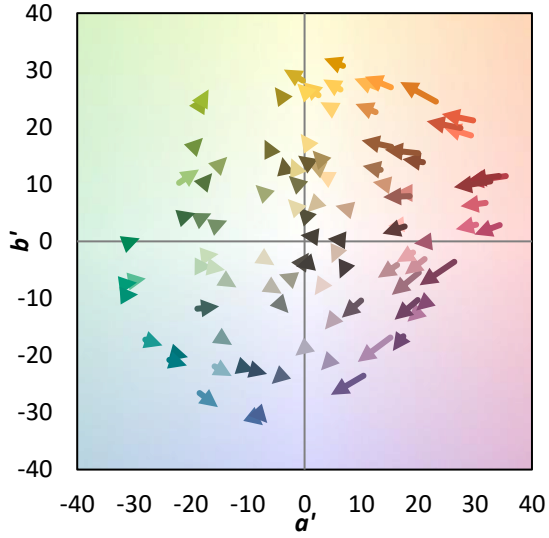


Color Vector Graphics







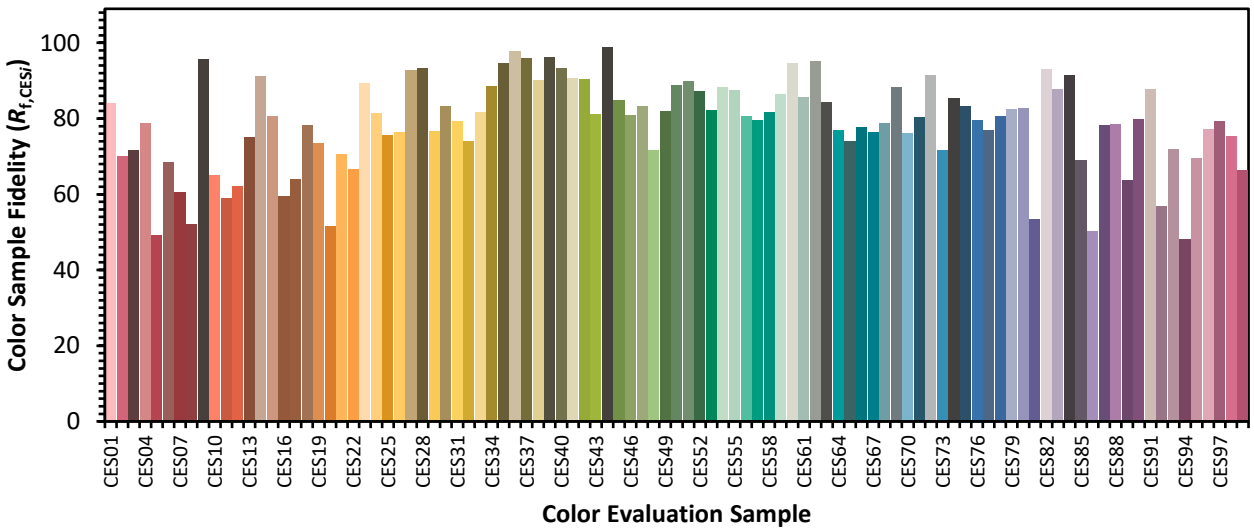


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

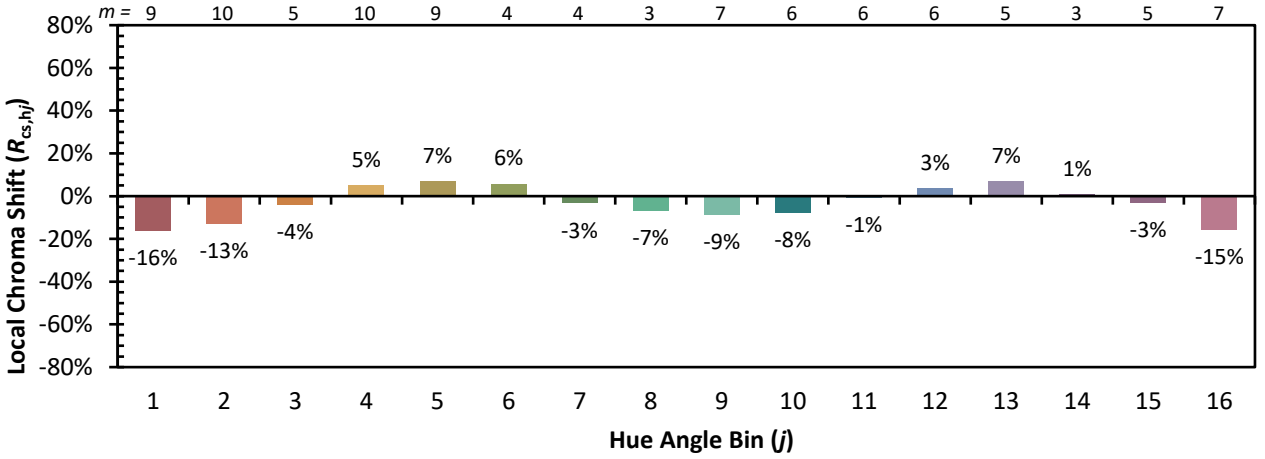
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57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

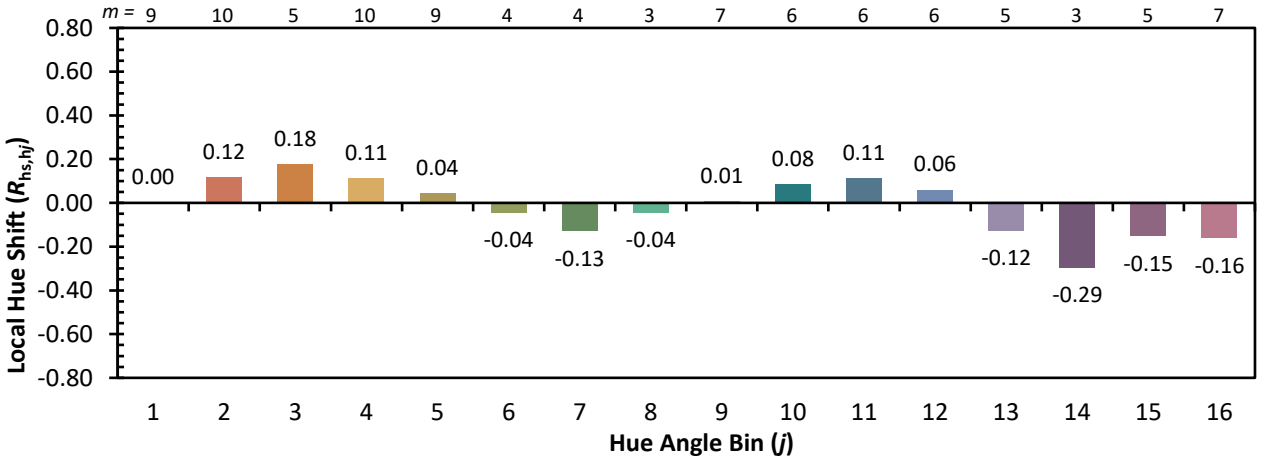


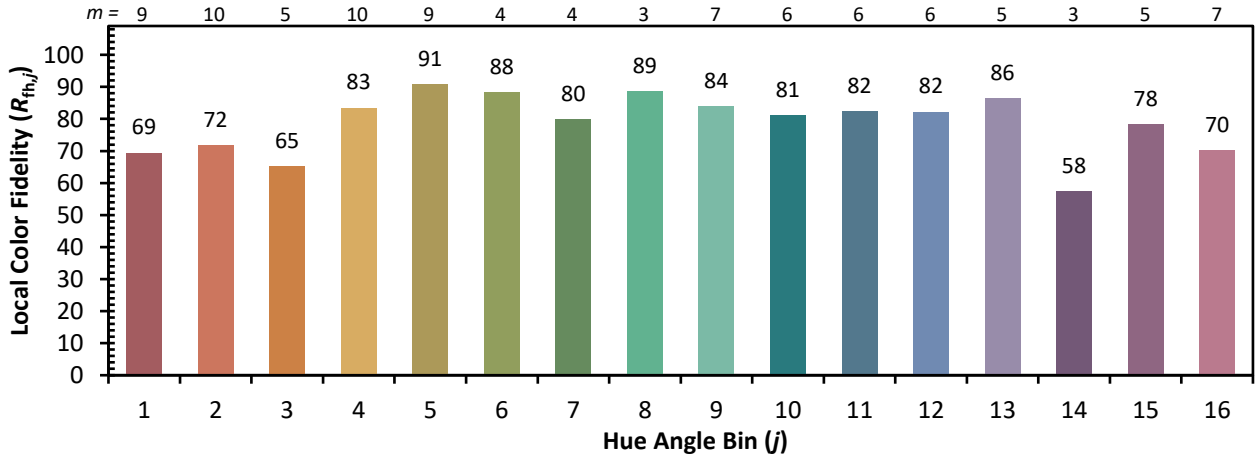
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



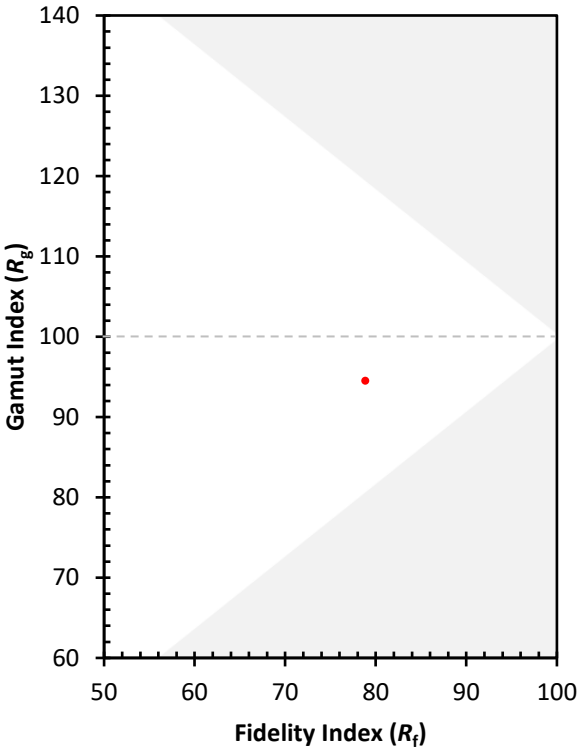


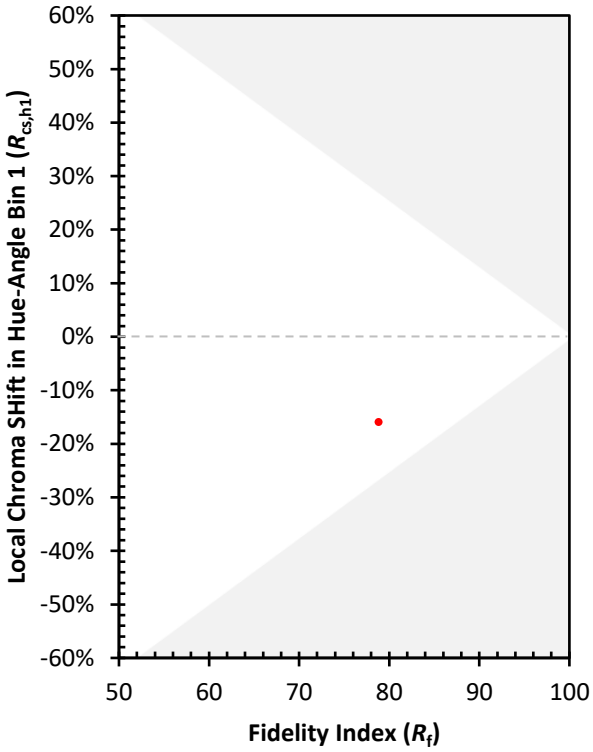


REPORT NUMBER: SP1-2501-332-2

TM-30-18

Measure Comparisons





(END OF REPORT)