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: P1045873

Luminaire Tested: **FFX-CLB-40-722-U-VM9-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045873
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-722-U-VM9-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3596.5 lumens
Efficiency:	N/A
Efficacy:	91.3 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):	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

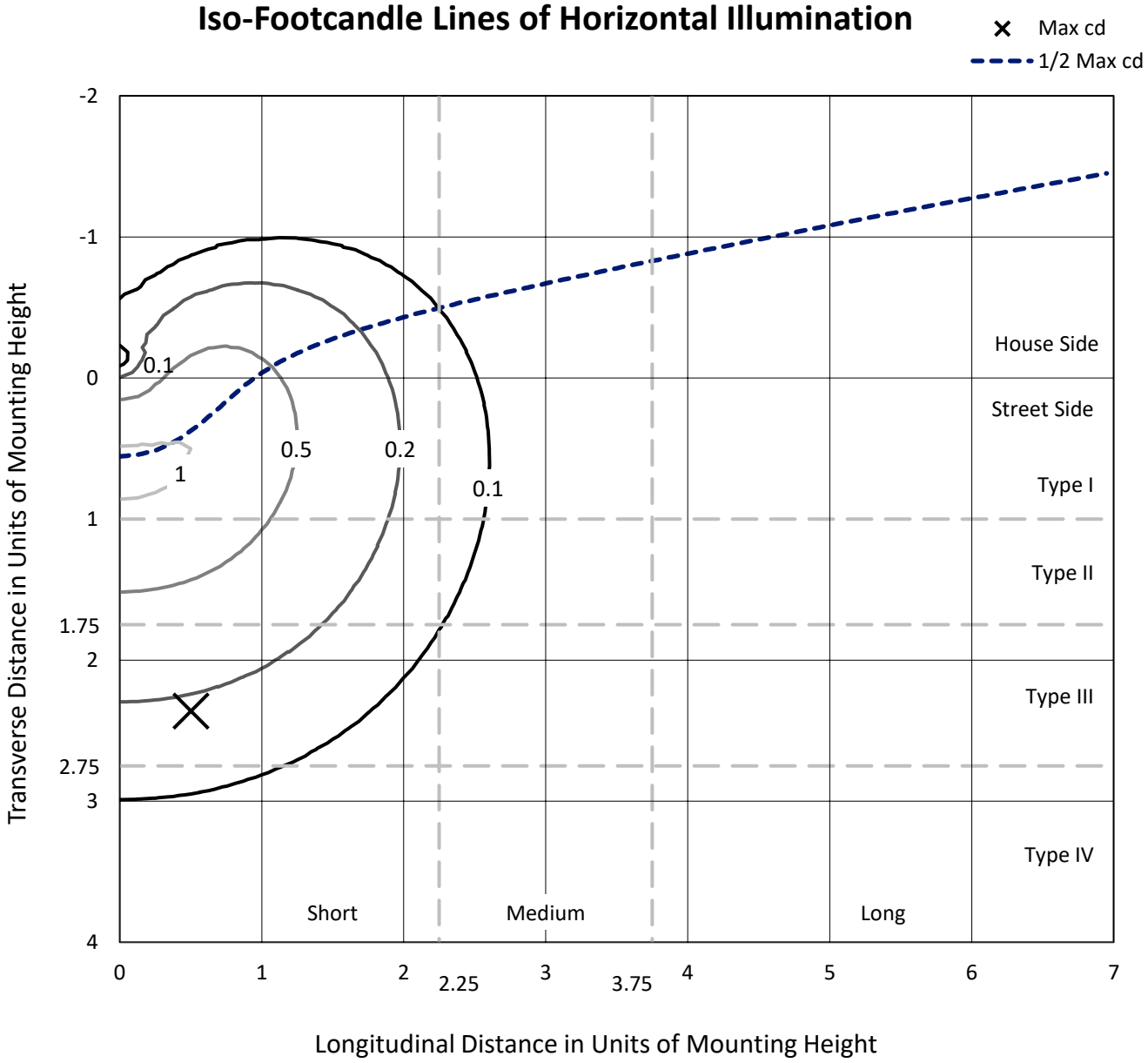


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Iso-Footcandle Lines of Horizontal Illumination



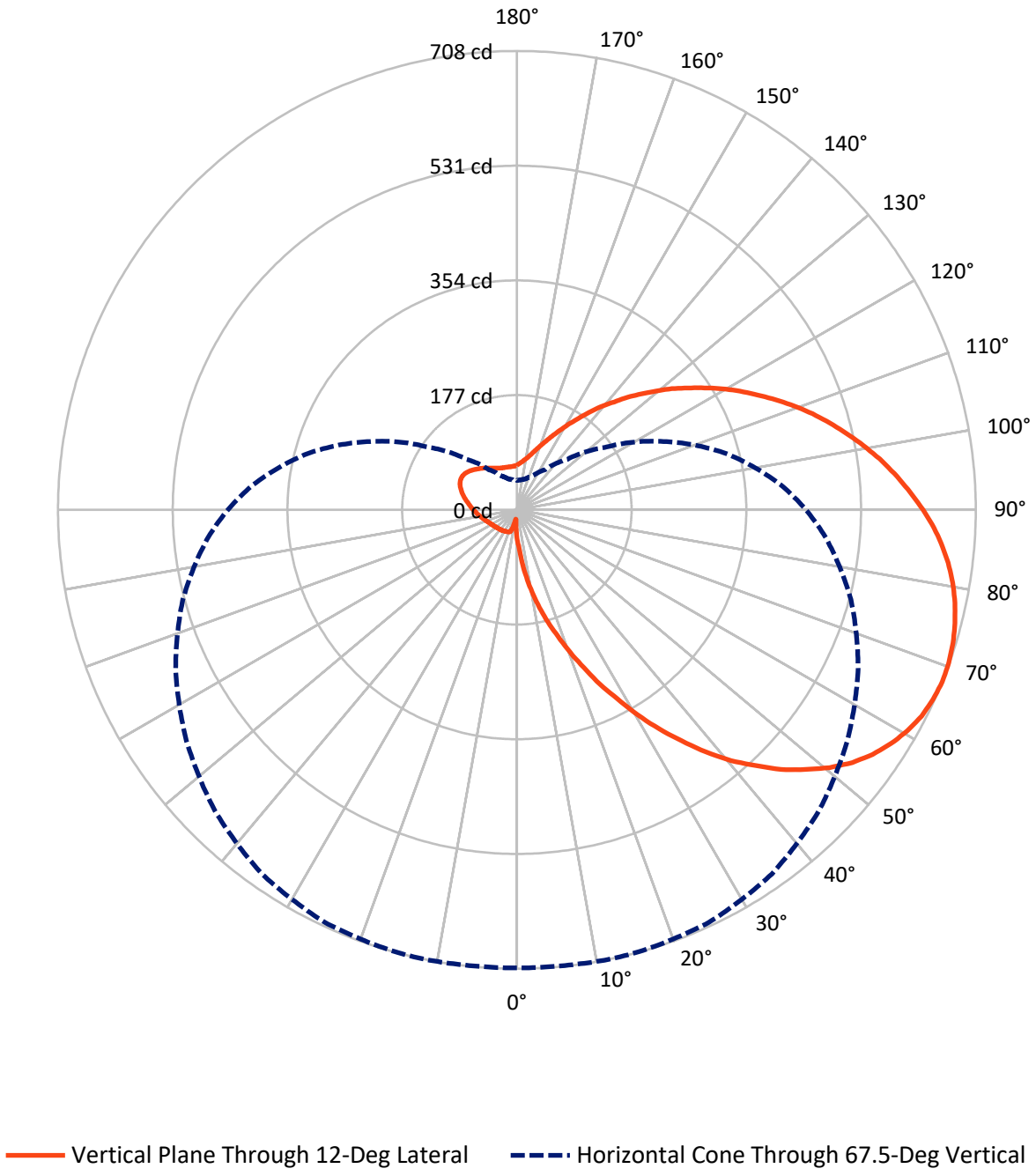
Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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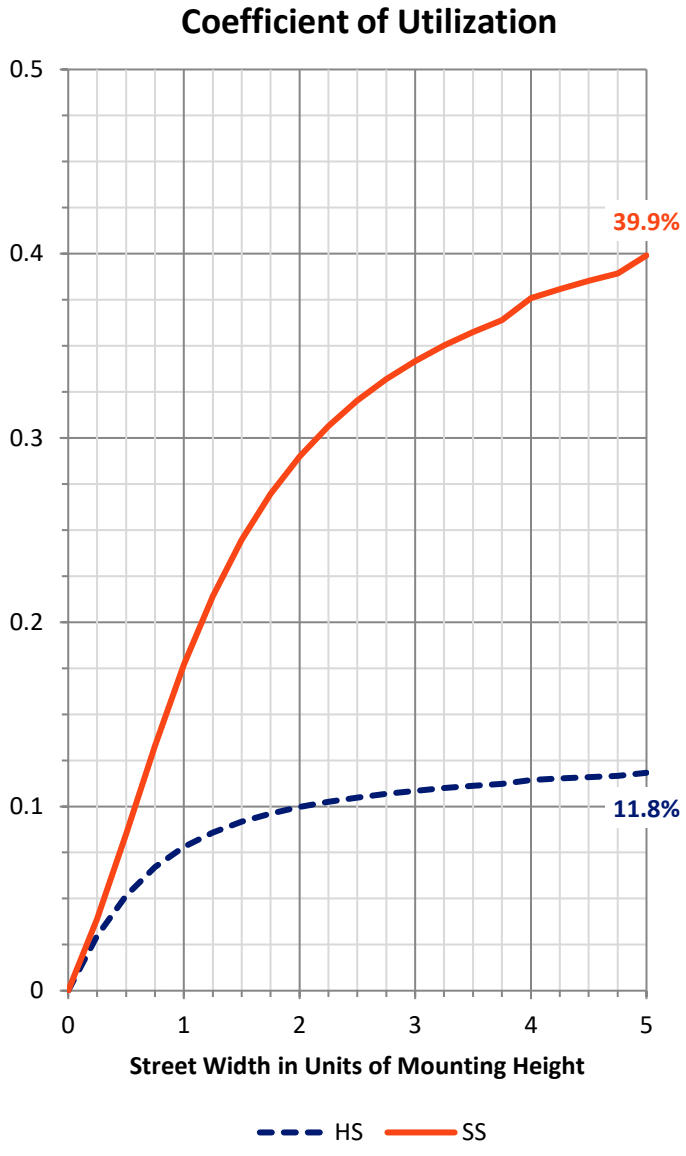
REPORT NUMBER: P1045873
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	462.8	448.0	910.8
	% Fixture	12.9	12.5	25.3
Street Side	Lumens	1636.4	1049.3	2685.7
	% Fixture	45.5	29.2	74.7
Total	Lumens	2099.3	1497.3	3596.5
	% Fixture	58.4	41.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.2
10°-20°	32.0	0.9
20°-30°	83.4	2.3
30°-40°	162.0	4.5
40°-50°	254.4	7.1
50°-60°	337.6	9.4
60°-70°	393.5	10.9
70°-80°	418.0	11.6
80°-90°	412.7	11.5
90°-100°	380.6	10.6
100°-110°	332.1	9.2
110°-120°	273.0	7.6
120°-130°	206.7	5.7
130°-140°	141.2	3.9
140°-150°	86.5	2.4
150°-160°	47.5	1.3
160°-170°	22.9	0.6
170°-180°	6.8	0.2
0°-90°	2099.3	58.4
0°-180°	3596.5	100.0



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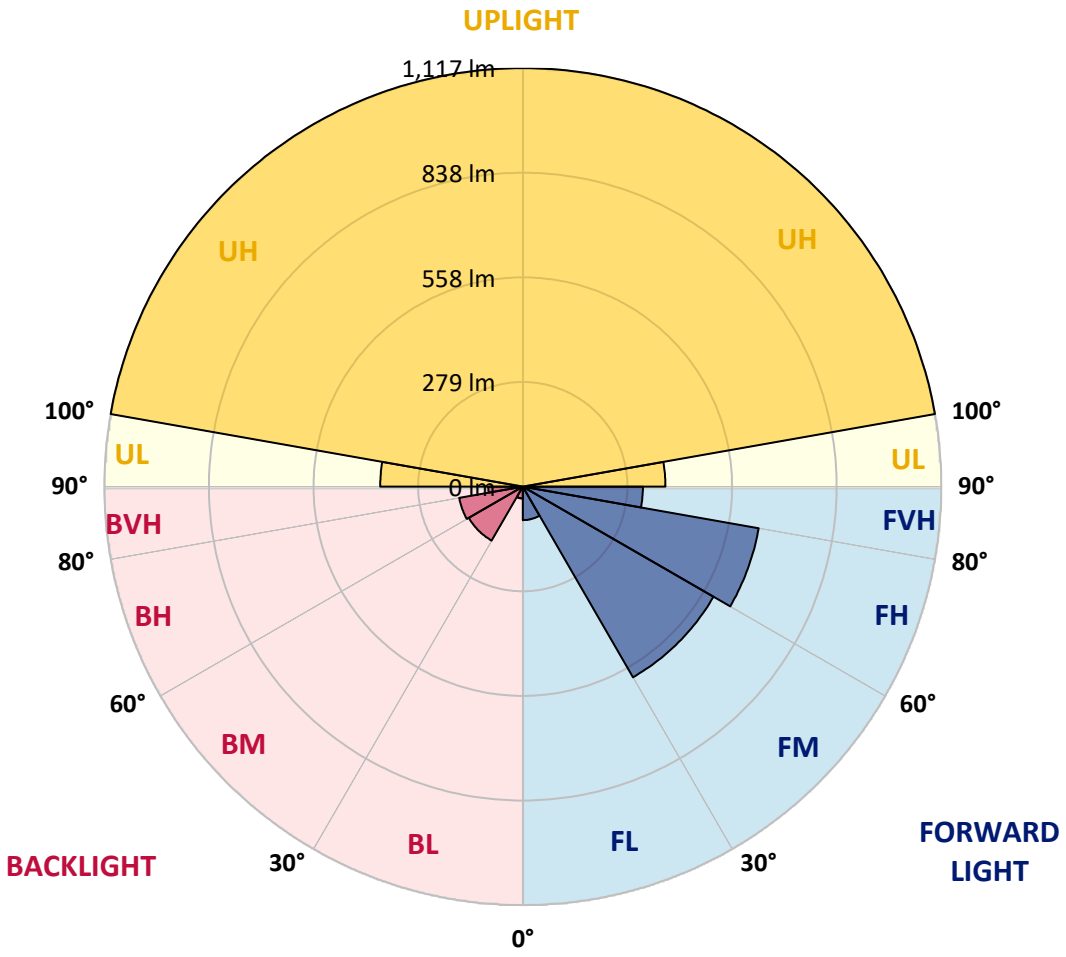
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	89.4	2.5			
FM	(30°-60°)	587.6	16.3			
FH	(60°-80°)	639.1	17.8			G0/660
FVH	(80°-90°)	320.3	8.9			G3/500
BL	(0°-30°)	31.7	0.9	B0/110		
BM	(30°-60°)	166.4	4.6	B0/220		
BH	(60°-80°)	172.4	4.8	B1/500		G1/500
BVH	(80°-90°)	92.4	2.6			G1/100
UL	(90°-100°)	380.6	10.6		U3/500	
UH	(100°-180°)	1116.7	31.1		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
0°	45.5	45.5	*45.5*	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
2.5°	57.0	58.2	*57.0*	58.6	57.8	57.8	55.8	53.8	51.0	47.9	45.1
5°	80.7	80.3	*78.7*	80.3	78.7	76.8	73.6	68.4	63.3	58.6	52.6
7.5°	105.2	105.6	*104.5*	104.1	100.5	97.7	92.6	87.4	81.1	74.0	66.9
10°	131.8	131.0	*129.0*	129.4	125.4	119.9	113.9	108.0	100.9	92.6	83.5
12.5°	156.3	156.3	*154.7*	155.1	150.7	144.4	139.7	131.8	123.0	113.2	102.1
15°	182.4	180.8	*180.0*	180.0	175.7	170.1	165.0	156.3	146.0	134.9	122.3
17.5°	206.5	206.1	*205.3*	205.7	201.8	197.0	188.7	180.0	167.8	154.3	141.2
20°	237.4	235.8	*234.6*	232.6	230.3	223.9	216.0	204.6	192.3	177.6	160.2
22.5°	265.5	267.5	*264.3*	262.7	259.6	254.4	242.9	231.9	217.2	200.2	181.2
25°	297.9	299.5	*298.3*	296.3	292.0	284.9	274.2	261.9	244.5	225.1	202.6
27.5°	332.0	333.1	*330.0*	330.8	323.3	316.5	305.8	290.8	274.2	251.2	227.5
30°	365.6	368.0	*366.8*	364.0	357.7	351.7	339.1	323.3	304.3	278.9	251.6
32.5°	405.2	402.4	*402.8*	399.6	395.7	386.2	375.1	357.3	335.1	308.2	277.0
35°	441.9	440.8	*437.6*	439.2	432.5	423.7	409.9	390.9	366.8	337.1	302.7
37.5°	474.8	476.0	*474.0*	472.8	468.5	458.6	442.3	423.0	395.3	364.0	326.4
40°	508.4	509.2	*508.8*	508.8	502.9	491.8	475.2	453.4	424.9	391.3	350.6
42.5°	540.5	541.3	*539.3*	539.7	534.9	523.5	505.6	482.7	451.0	415.8	371.5
45°	571.3	571.3	*571.3*	570.9	564.2	553.5	535.3	509.2	477.6	437.6	390.9
47.5°	599.8	599.0	*598.6*	598.6	594.3	581.6	562.2	533.7	499.3	457.4	409.9
50°	625.1	625.5	*625.1*	624.3	617.6	607.3	585.6	555.9	519.5	476.4	425.7
52.5°	646.9	647.3	*647.7*	645.7	641.4	629.1	605.0	573.3	536.5	491.4	438.8
55°	664.3	665.1	*665.9*	665.1	660.7	646.1	622.0	589.9	550.4	504.1	450.3
57.5°	680.5	680.1	*680.5*	679.7	675.0	660.7	635.8	601.4	561.4	514.4	459.0
60°	691.6	692.0	*692.0*	692.0	686.5	671.8	645.3	610.1	569.3	522.3	466.5
62.5°	699.1	699.5	*700.7*	699.9	694.8	679.3	652.0	616.4	575.3	527.4	471.6
65°	704.3	704.7	*705.5*	704.7	699.9	684.1	656.4	620.4	579.2	531.4	475.2
67.5°	*706.6*	*706.6*	*707.8*	*707.4*	*701.9*	*685.7*	*658.0*	*622.0*	*580.8*	*533.3*	*477.6*
70°	705.5	705.9	*706.6*	706.2	700.7	684.5	656.8	621.2	580.4	533.3	478.0
72.5°	702.7	702.7	*703.5*	702.7	697.5	681.3	654.0	618.8	578.4	532.6	477.6
75°	697.1	697.5	*697.9*	697.5	692.0	676.2	649.3	614.5	575.3	529.8	476.0
77.5°	690.4	690.8	*690.8*	690.8	684.9	669.1	642.9	608.9	570.9	526.6	473.2
80°	680.5	680.9	*681.7*	680.9	675.0	660.7	634.6	602.2	565.4	521.5	469.6
82.5°	669.5	669.1	*670.2*	669.8	663.9	649.7	624.0	593.1	557.1	515.5	464.5
85°	655.6	655.6	*656.4*	655.6	650.5	635.4	611.3	582.0	547.6	506.8	458.2
87.5°	640.2	640.2	*641.0*	639.4	633.4	620.4	597.4	569.0	537.3	498.1	451.0
90°	622.0	622.8	*622.8*	621.6	615.6	603.0	582.0	554.7	523.8	487.4	442.7
92.5°	604.6	604.6	*603.8*	603.8	597.4	584.8	565.4	540.5	511.6	476.8	433.6
95°	586.0	586.0	*584.8*	584.0	577.7	567.0	548.4	525.4	497.7	465.7	424.5
97.5°	566.2	565.8	*565.0*	564.2	557.9	547.6	531.0	508.8	483.5	453.0	414.6
100°	546.0	546.4	*543.6*	543.2	536.9	528.2	512.4	491.8	468.5	440.0	404.0
102.5°	523.8	524.6	*522.3*	521.9	515.5	506.0	493.4	474.8	453.8	427.7	393.3
105°	504.1	502.1	*500.9*	500.1	494.6	485.9	472.4	457.8	438.0	413.5	381.4
107.5°	481.5	481.9	*479.5*	478.0	472.4	465.3	453.4	440.0	422.6	399.2	369.9
110°	459.0	458.2	*457.0*	456.2	449.9	443.5	433.2	422.2	405.2	385.0	357.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	435.6	436.0	*434.0*	432.8	428.5	421.8	414.3	403.6	388.9	369.9	344.2
115°	413.9	413.1	*411.5*	410.7	405.9	400.8	393.3	385.4	372.3	354.1	330.8
117.5°	391.7	390.1	*389.7*	388.5	385.0	379.8	373.9	367.2	354.5	338.7	316.5
120°	368.8	368.8	*368.0*	367.2	362.4	358.1	354.5	347.4	336.7	321.7	302.7
122.5°	347.4	347.0	*345.4*	344.2	341.8	337.9	333.5	328.0	318.5	305.1	286.9
125°	324.0	324.8	*323.6*	323.3	319.3	317.3	313.4	309.8	299.9	287.6	271.4
127.5°	304.7	303.5	*303.5*	301.5	299.5	297.5	294.4	289.6	282.9	270.2	255.2
130°	284.1	283.3	*282.1*	282.1	279.7	277.0	275.0	271.0	263.5	253.2	239.0
132.5°	263.5	262.7	*261.9*	260.7	259.2	258.8	256.8	252.4	245.3	236.2	223.9
135°	244.1	243.7	*243.3*	243.3	241.0	239.8	237.4	233.8	229.1	220.8	208.9
137.5°	225.9	224.7	*223.9*	223.9	223.2	221.2	219.2	216.4	211.3	204.6	193.9
140°	206.9	207.7	*207.7*	207.3	205.7	204.6	202.2	199.8	194.7	189.1	180.0
142.5°	191.1	190.7	*189.9*	189.5	188.7	187.1	186.0	183.2	180.0	174.1	166.2
145°	174.1	174.1	*173.7*	174.1	172.5	172.1	170.5	168.2	164.6	159.4	152.7
147.5°	159.1	159.1	*158.7*	159.1	157.9	156.7	155.5	153.9	150.7	146.8	140.9
150°	145.2	145.6	*144.8*	144.8	144.4	143.2	142.4	140.1	137.7	134.5	129.4
152.5°	132.5	132.9	*132.5*	132.1	131.8	131.0	129.8	128.2	125.8	123.0	118.7
155°	121.9	121.5	*121.5*	121.5	121.1	119.9	119.9	117.5	115.1	113.2	108.8
157.5°	111.6	111.6	*111.6*	111.6	110.8	110.4	109.6	107.6	106.4	103.7	100.5
160°	103.3	102.9	*102.9*	102.9	102.1	101.7	100.5	99.7	98.1	95.7	93.4
162.5°	95.0	95.4	*95.4*	95.4	94.6	94.2	93.4	92.6	91.4	89.0	87.4
165°	88.6	88.6	*88.6*	88.2	87.8	87.8	86.6	86.3	85.1	83.5	82.3
167.5°	83.5	83.5	*83.1*	83.5	82.7	81.9	81.5	80.7	79.9	79.1	77.9
170°	79.1	79.1	*79.1*	79.1	78.7	78.3	77.5	77.2	76.4	75.6	74.4
172.5°	75.6	75.6	*75.6*	75.6	75.2	74.8	74.0	73.6	73.2	72.4	71.6
175°	72.8	72.8	*72.8*	72.8	72.4	72.0	71.2	71.2	70.8	70.4	69.6
177.5°	70.8	70.8	*70.4*	70.4	70.0	69.6	69.6	69.2	69.2	68.8	68.4
180°	68.4	68.4	*68.4*	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
2.5°	43.5	41.9	39.2	36.8	34.0	32.0	30.1	29.7	29.7	30.5	30.5
5°	50.2	46.7	41.1	36.0	30.1	25.7	21.8	18.2	15.8	14.6	14.6
7.5°	62.9	60.1	51.8	44.7	37.6	30.9	24.5	19.0	15.0	12.3	11.9
10°	79.1	74.8	64.9	55.8	46.3	38.0	30.5	23.7	19.0	16.6	16.6
12.5°	96.5	90.6	78.7	67.7	56.6	45.9	37.2	30.5	25.7	23.3	22.6
15°	115.1	108.4	94.2	79.9	66.5	55.0	45.1	36.8	32.0	29.7	29.3
17.5°	132.5	125.0	108.8	91.8	76.4	62.5	50.6	41.9	36.0	33.2	32.8
20°	151.5	141.6	122.7	102.9	84.7	68.1	54.6	44.3	37.2	34.0	33.6
22.5°	170.9	159.4	136.9	113.9	92.2	73.2	57.4	45.5	37.6	34.0	33.6
25°	191.5	178.8	152.3	125.8	100.5	78.3	60.1	46.7	38.4	34.0	33.6
27.5°	213.3	199.0	168.5	138.5	108.8	83.5	62.9	48.3	38.8	34.4	33.6
30°	236.6	220.4	185.2	150.7	116.7	88.2	65.3	49.1	39.2	34.4	34.0
32.5°	259.9	240.2	203.4	162.6	125.0	92.6	67.7	50.2	39.6	34.8	34.4
35°	282.5	263.1	220.0	174.9	132.9	96.9	69.6	51.0	40.4	35.2	34.4
37.5°	305.4	284.5	235.8	186.4	140.1	100.5	71.2	51.8	40.8	35.6	34.8
40°	327.2	302.7	251.2	197.4	146.0	103.7	72.4	52.2	41.1	36.0	35.2
42.5°	347.8	321.7	265.9	206.9	151.9	106.0	73.6	53.0	41.5	36.4	36.0
45°	365.2	338.3	278.5	216.4	156.3	108.0	74.4	53.4	41.9	36.8	36.4
47.5°	382.2	353.3	290.4	223.9	160.6	110.0	74.8	53.8	42.3	37.6	37.2
50°	397.2	366.8	301.1	230.7	163.8	110.8	75.2	54.2	43.1	38.4	38.0
52.5°	409.9	378.2	309.4	236.2	166.2	111.6	75.2	54.2	43.5	39.2	38.8
55°	420.2	388.1	316.9	240.2	167.8	112.0	75.2	54.6	44.3	40.0	39.6
57.5°	428.9	395.7	322.9	243.7	169.3	112.0	75.2	55.0	45.1	40.8	40.4
60°	435.2	402.0	327.2	246.1	169.7	111.6	75.2	55.4	45.9	41.9	41.5
62.5°	440.4	406.3	330.8	247.7	169.7	110.8	75.2	55.8	46.7	43.1	42.7
65°	443.9	409.5	333.1	248.5	169.3	110.4	75.2	56.6	47.9	44.3	43.9
67.5°	*445.9*	*411.9*	*334.7*	*249.3*	*168.9*	*110.4*	*75.6*	*57.8*	*49.1*	*45.9*	*45.5*
70°	446.7	412.3	335.1	248.9	168.5	109.6	76.0	58.6	50.6	47.5	47.1
72.5°	446.7	412.7	335.1	248.9	167.8	110.0	76.4	59.7	52.2	49.1	48.7
75°	445.5	411.5	334.7	248.1	167.4	109.6	77.5	61.3	53.8	51.0	50.6
77.5°	443.1	409.9	333.5	246.9	167.0	110.0	78.3	62.9	55.8	53.0	53.0
80°	440.4	407.5	332.0	245.7	166.6	110.8	79.5	64.9	57.8	55.4	55.0
82.5°	436.0	404.0	329.2	244.1	165.8	111.2	81.1	66.9	60.1	57.4	57.4
85°	430.1	398.8	325.6	242.1	165.0	112.0	82.7	68.4	62.5	59.7	59.7
87.5°	423.7	393.3	321.3	239.8	164.6	112.8	84.7	70.8	64.5	62.1	61.7
90°	416.2	386.6	316.9	237.0	164.2	113.9	86.3	73.2	67.3	64.9	64.5
92.5°	408.3	379.8	312.2	235.0	163.8	115.1	88.6	76.0	70.0	67.7	67.3
95°	400.4	372.7	307.4	232.3	163.8	116.7	91.0	78.7	72.8	70.4	70.0
97.5°	391.3	364.8	301.9	229.9	163.8	118.7	93.8	81.5	75.6	73.2	73.2
100°	381.8	356.9	296.3	227.5	164.2	120.7	96.5	84.7	78.7	76.4	76.4
102.5°	372.3	348.2	291.2	225.5	165.0	123.4	100.1	88.2	82.3	79.9	79.5
105°	362.0	339.5	285.3	222.8	165.8	125.8	103.3	91.4	85.5	83.1	83.1
107.5°	351.7	330.4	279.3	220.8	166.6	128.2	106.8	95.0	89.0	86.3	86.3
110°	340.3	320.5	273.0	218.4	167.4	131.0	109.6	98.1	91.8	89.4	89.0

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

Scaled Data Report

REPORT NUMBER: P1045873
CATALOG NUMBER: FFX-CLB-40-722-U-VM9-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	328.4	310.6	266.3	215.2	167.8	133.3	112.8	101.3	95.0	92.2	91.8
115°	315.7	299.5	258.8	212.1	167.8	135.3	115.1	103.7	97.3	94.6	94.2
117.5°	303.1	287.6	250.5	207.7	167.4	136.5	117.1	105.2	98.9	96.1	95.7
120°	289.6	275.8	242.1	203.4	165.8	136.9	117.9	106.4	99.7	96.9	96.5
122.5°	275.8	263.1	232.3	197.4	163.4	136.5	117.9	106.4	99.7	96.5	96.1
125°	260.7	249.7	222.0	190.3	159.8	134.9	117.1	105.6	98.9	95.7	95.0
127.5°	246.1	236.2	211.3	183.2	155.5	132.5	115.5	104.1	97.3	94.2	93.8
130°	231.9	222.0	200.2	175.3	150.3	129.4	112.8	101.7	95.4	91.8	91.4
132.5°	216.8	207.7	189.1	167.0	144.4	125.4	110.0	99.3	92.6	89.8	89.0
135°	201.8	194.7	177.6	158.3	138.5	121.1	106.8	96.5	90.2	87.0	87.0
137.5°	188.3	181.2	166.2	149.6	132.1	115.9	102.9	93.4	87.4	84.7	84.3
140°	174.5	168.9	155.5	140.9	125.4	111.2	99.7	90.6	85.1	82.3	81.9
142.5°	161.4	155.9	145.2	131.8	118.7	106.0	95.7	87.4	82.3	79.9	79.5
145°	148.4	144.4	134.1	123.4	112.0	100.9	91.4	84.3	79.9	77.5	77.5
147.5°	136.9	133.3	124.2	115.1	105.2	96.1	87.8	81.5	77.5	75.6	75.2
150°	125.8	122.7	115.1	107.6	98.5	91.0	83.9	78.7	75.2	73.6	73.2
152.5°	115.5	113.2	106.8	100.5	93.0	86.3	80.7	76.4	73.2	71.6	71.6
155°	106.8	104.8	99.3	93.8	87.8	82.3	77.5	74.0	71.6	70.4	70.0
157.5°	99.3	96.9	92.6	88.2	83.5	78.7	75.2	72.0	70.4	69.2	69.2
160°	92.2	90.2	86.6	83.5	79.5	76.0	72.8	70.8	69.2	68.4	68.4
162.5°	86.3	84.7	81.9	79.1	76.4	73.6	71.2	69.6	68.4	67.7	67.7
165°	81.1	80.3	77.9	76.0	73.6	71.6	70.0	68.8	68.1	67.7	67.7
167.5°	77.2	76.4	74.8	73.2	71.6	70.0	68.8	68.1	67.7	67.3	67.3
170°	74.0	73.2	72.4	71.2	70.0	68.8	68.1	67.7	67.3	67.3	67.3
172.5°	71.6	70.8	70.4	69.6	68.8	68.1	67.7	67.3	67.3	67.3	67.3
175°	69.6	69.2	68.8	68.4	68.1	67.7	67.3	67.3	67.3	67.3	67.3
177.5°	68.4	68.1	68.1	67.7	67.7	67.3	67.3	67.7	67.7	67.7	68.1
180°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4

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: SP1-2501-332-7

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

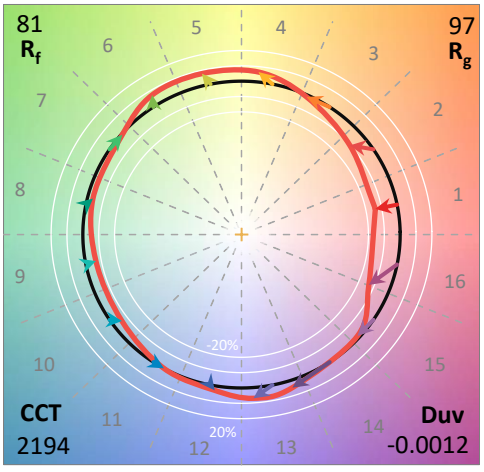
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-7
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-20-722-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2194	CRI (Ra):	76.9		
CIE u':	0.2907	R1:	75.7	R9:	-13.4
CIE v':	0.5343	R2:	91.6	R10:	84.3
Duv:	-0.0012	R3:	88.2	R11:	74.6
CIE x:	0.5035	R4:	73.5	R12:	85.6
CIE y:	0.4113	R5:	77.0	R13:	79.4
CIE z:	0.0852	R6:	93.6	R14:	93.9
Peak Wavelength (nm):	608	R7:	73.2	R15:	65.4
Dominant Wavelength (nm):	587	R8:	42.7		
Purity:	74.59755				

Rf:	81
Rg:	96.6



Test Conditions

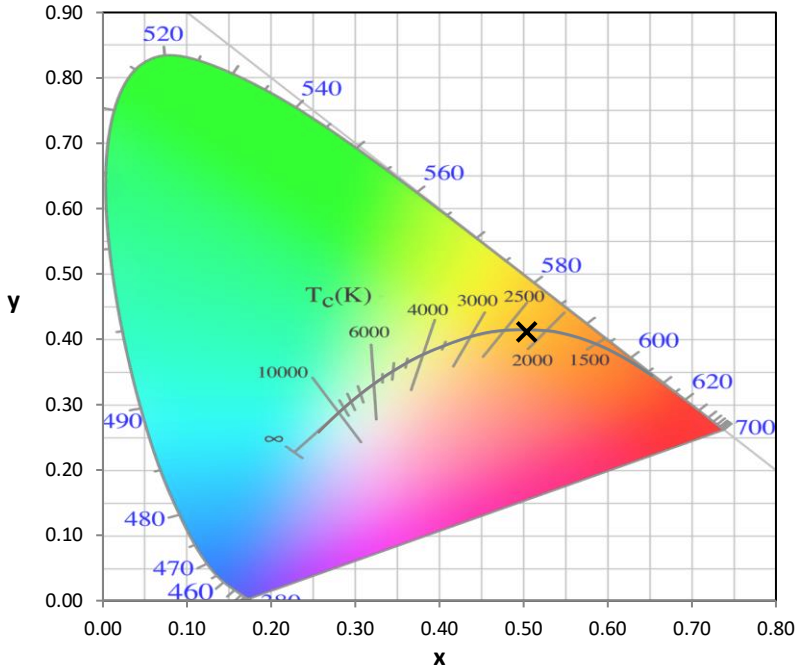
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

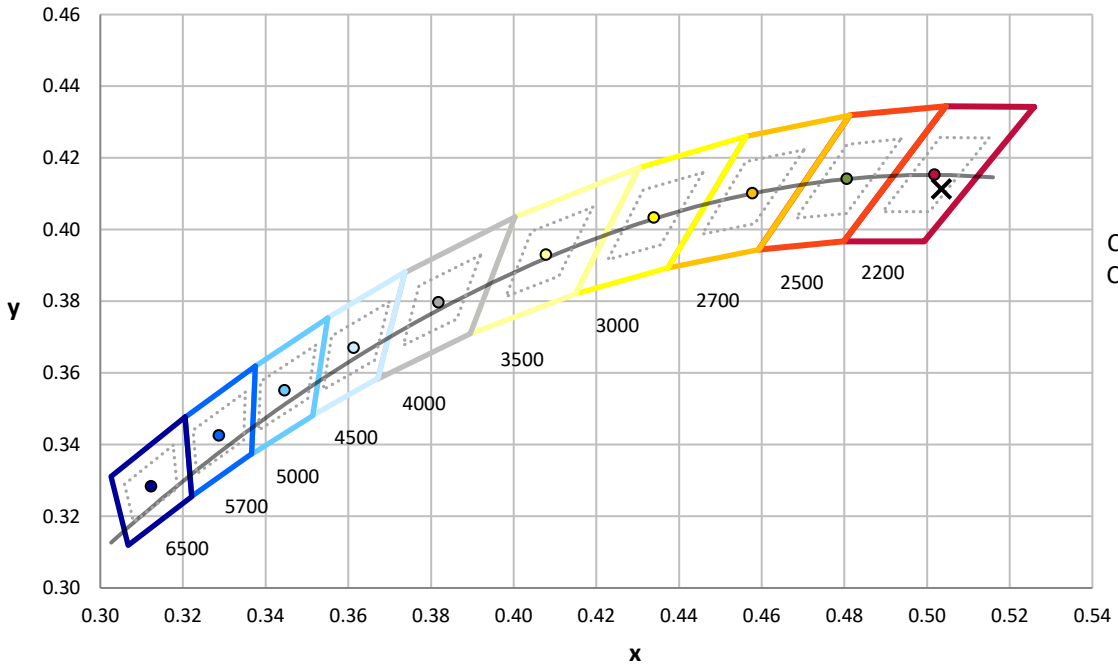
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-7

CIE 1931 Chromaticity Diagram



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

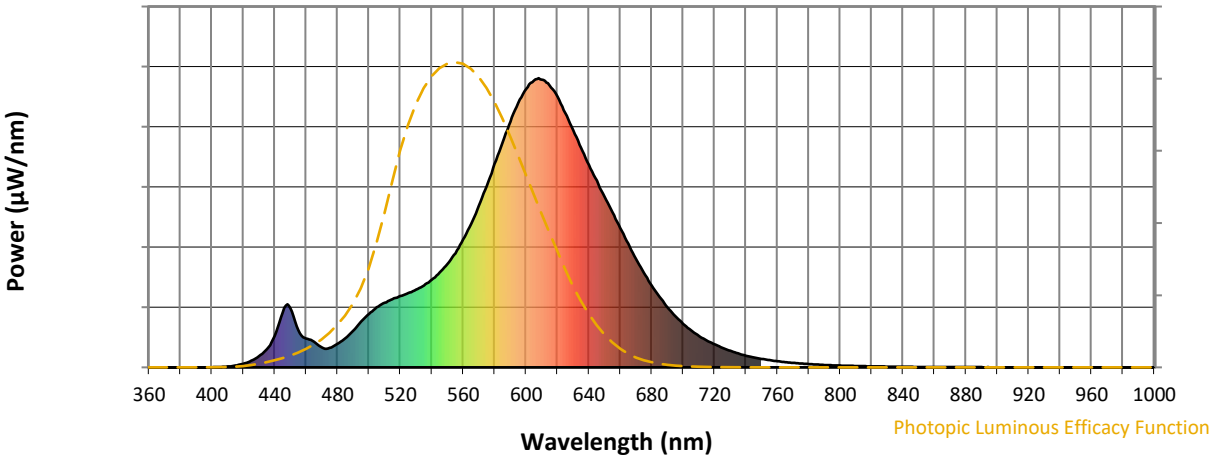


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

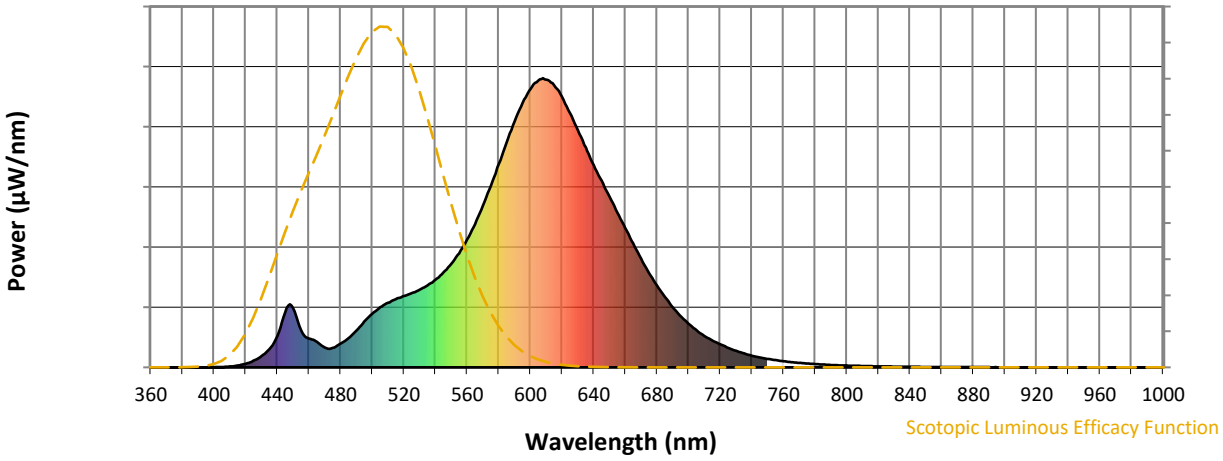


Photopic Lumens: NR

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Scotopic Flux vs. Wavelength

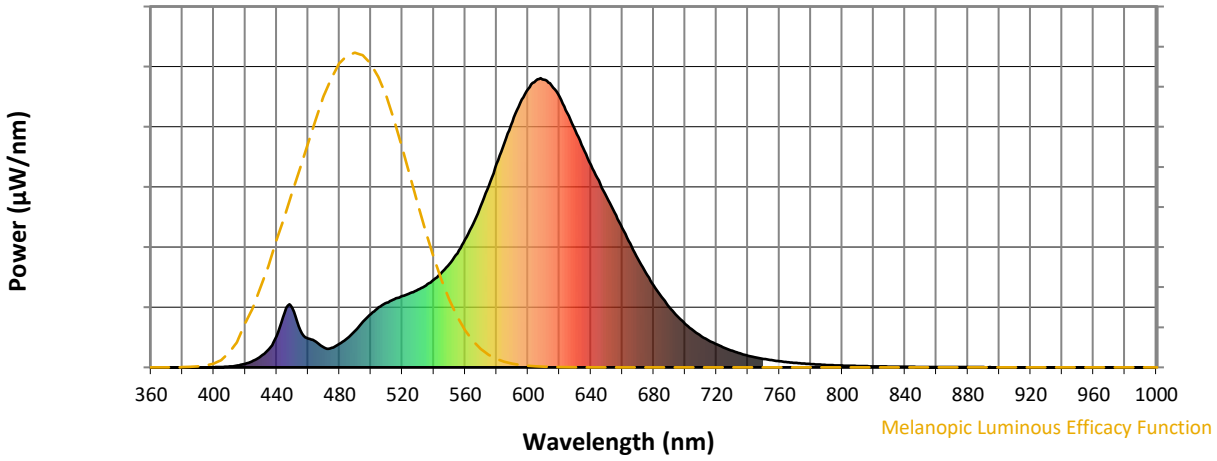


Scotopic Lumens: NR **S/P: 0.96**

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.7**

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

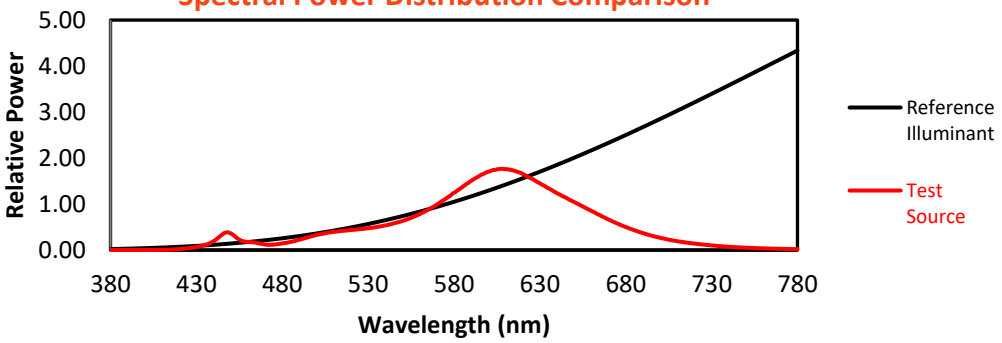
REPORT NUMBER: SP1-2501-332-7

TM-30-18

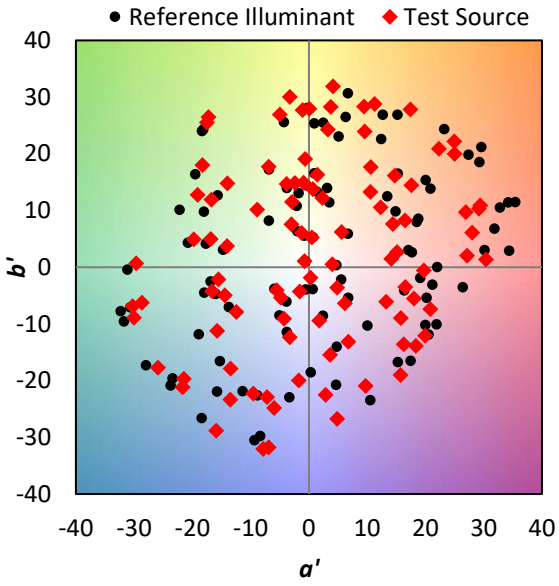
Summary

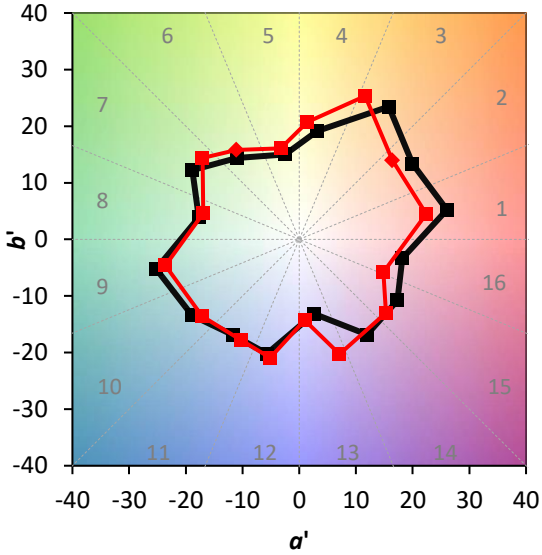
R_f = 81
R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

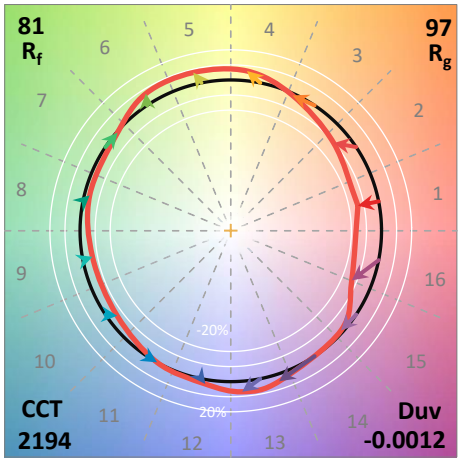
Spectral Power Distribution Comparison

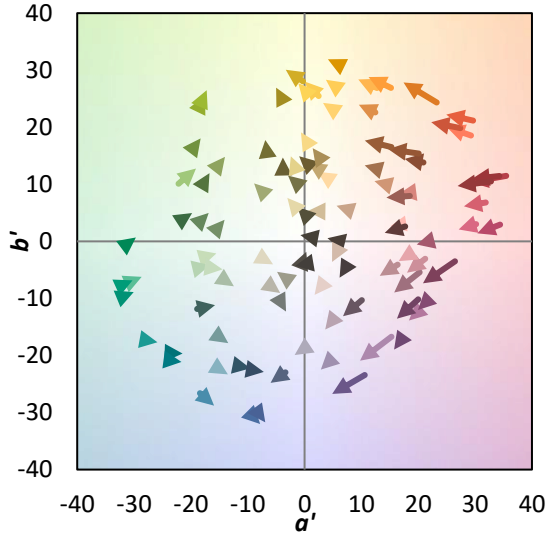


Color Vector Graphics







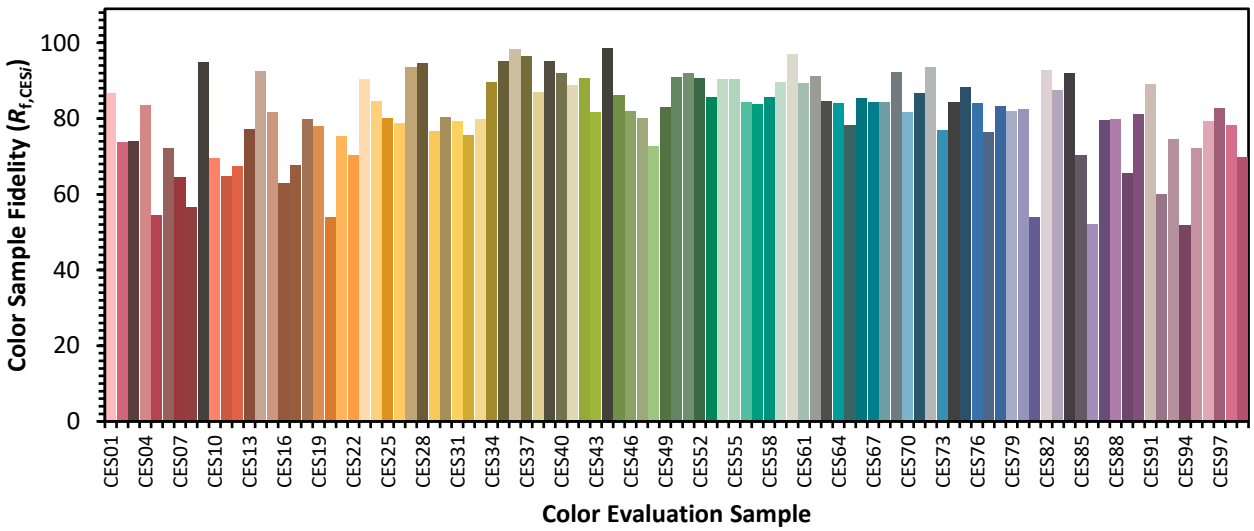


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

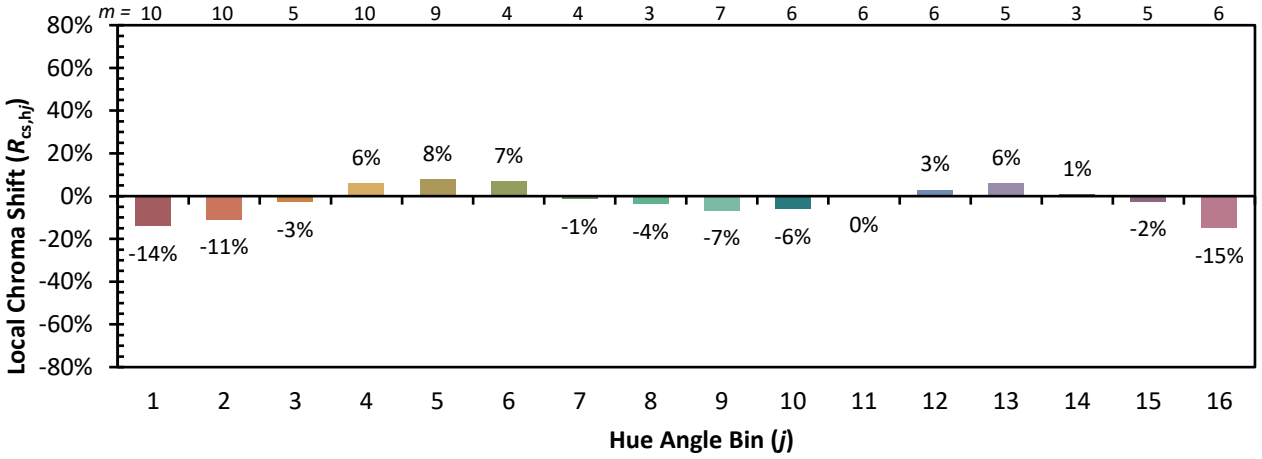
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 84	CES82 = 93
CES08 = 43	CES33 = 80	CES58 = 86	CES83 = 88
CES09 = 29	CES34 = 90	CES59 = 90	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 97	CES85 = 70
CES11 = 62	CES36 = 98	CES61 = 89	CES86 = 52
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 80
CES13 = 45	CES38 = 87	CES63 = 85	CES88 = 80
CES14 = 75	CES39 = 95	CES64 = 84	CES89 = 66
CES15 = 73	CES40 = 92	CES65 = 78	CES90 = 81
CES16 = 49	CES41 = 89	CES66 = 85	CES91 = 89
CES17 = 51	CES42 = 91	CES67 = 84	CES92 = 60
CES18 = 57	CES43 = 82	CES68 = 84	CES93 = 74
CES19 = 74	CES44 = 99	CES69 = 92	CES94 = 52
CES20 = 69	CES45 = 86	CES70 = 82	CES95 = 72
CES21 = 88	CES46 = 82	CES71 = 87	CES96 = 79
CES22 = 81	CES47 = 80	CES72 = 94	CES97 = 83
CES23 = 92	CES48 = 73	CES73 = 77	CES98 = 78
CES24 = 92	CES49 = 83	CES74 = 84	CES99 = 70
CES25 = 73	CES50 = 91	CES75 = 88	

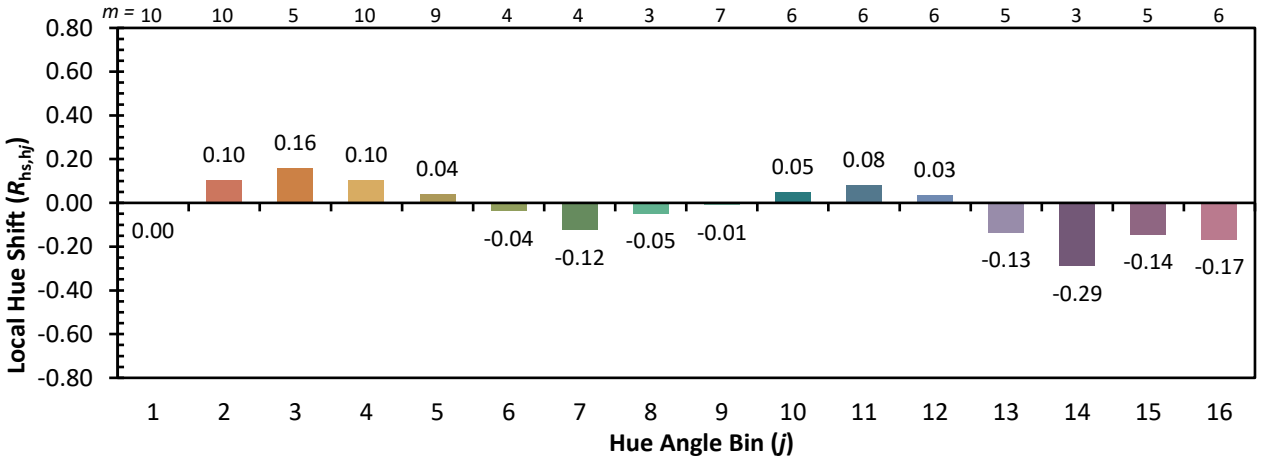


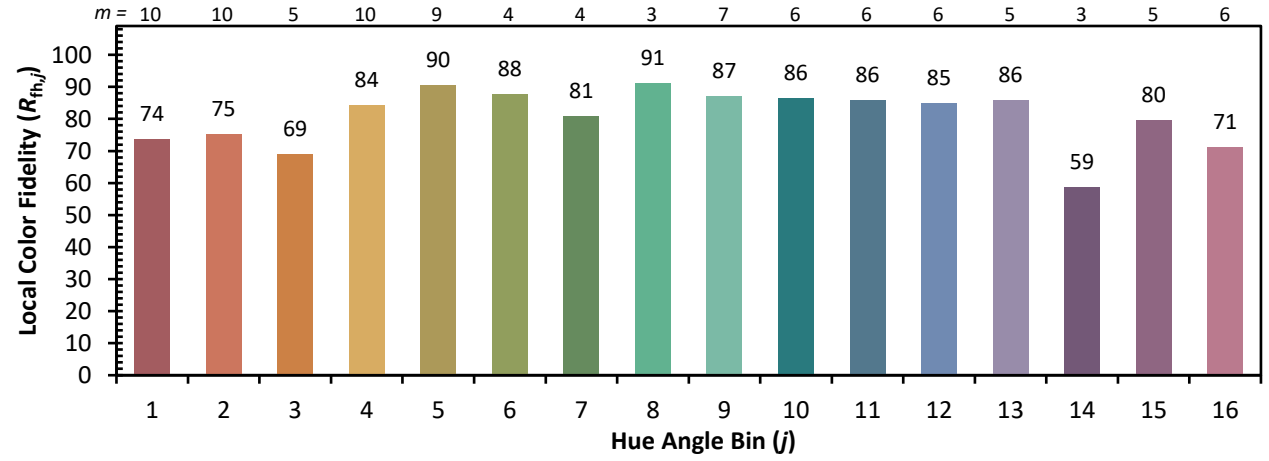
REPORT NUMBER: SP1-2501-332-7

TM-30-18

Color Rendition by Hue-Angle Bin



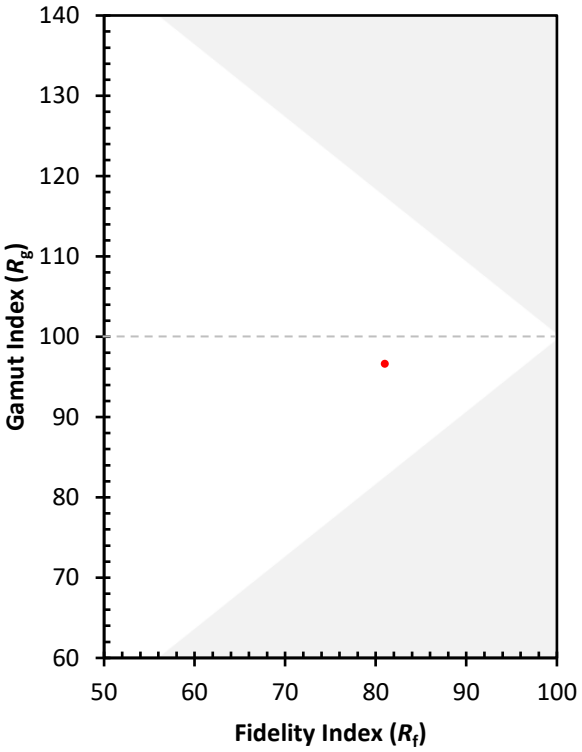


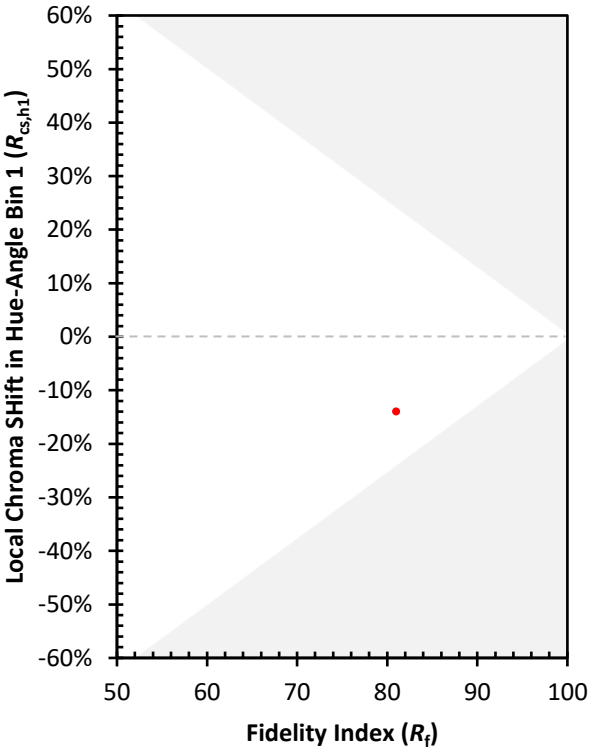


REPORT NUMBER: SP1-2501-332-7

TM-30-18

Measure Comparisons





(END OF REPORT)