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: P1046591

Luminaire Tested: **FFX-CLB-60-722-U-FR-T3-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046591
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-722-U-FR-T3-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7061.6 lumens
Efficiency:	N/A
Efficacy:	116.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U4 - G3

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

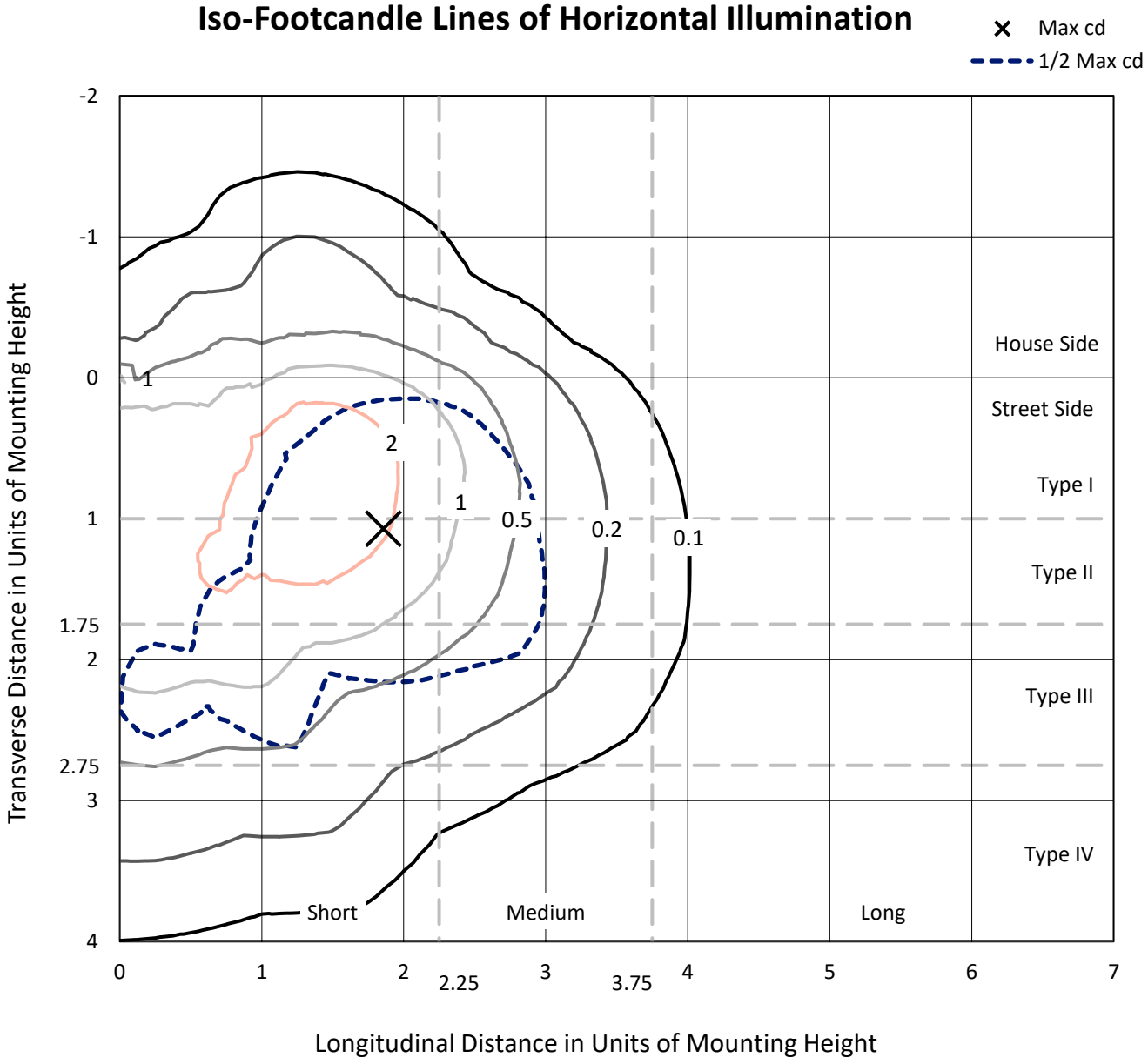


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Iso-Footcandle Lines of Horizontal Illumination



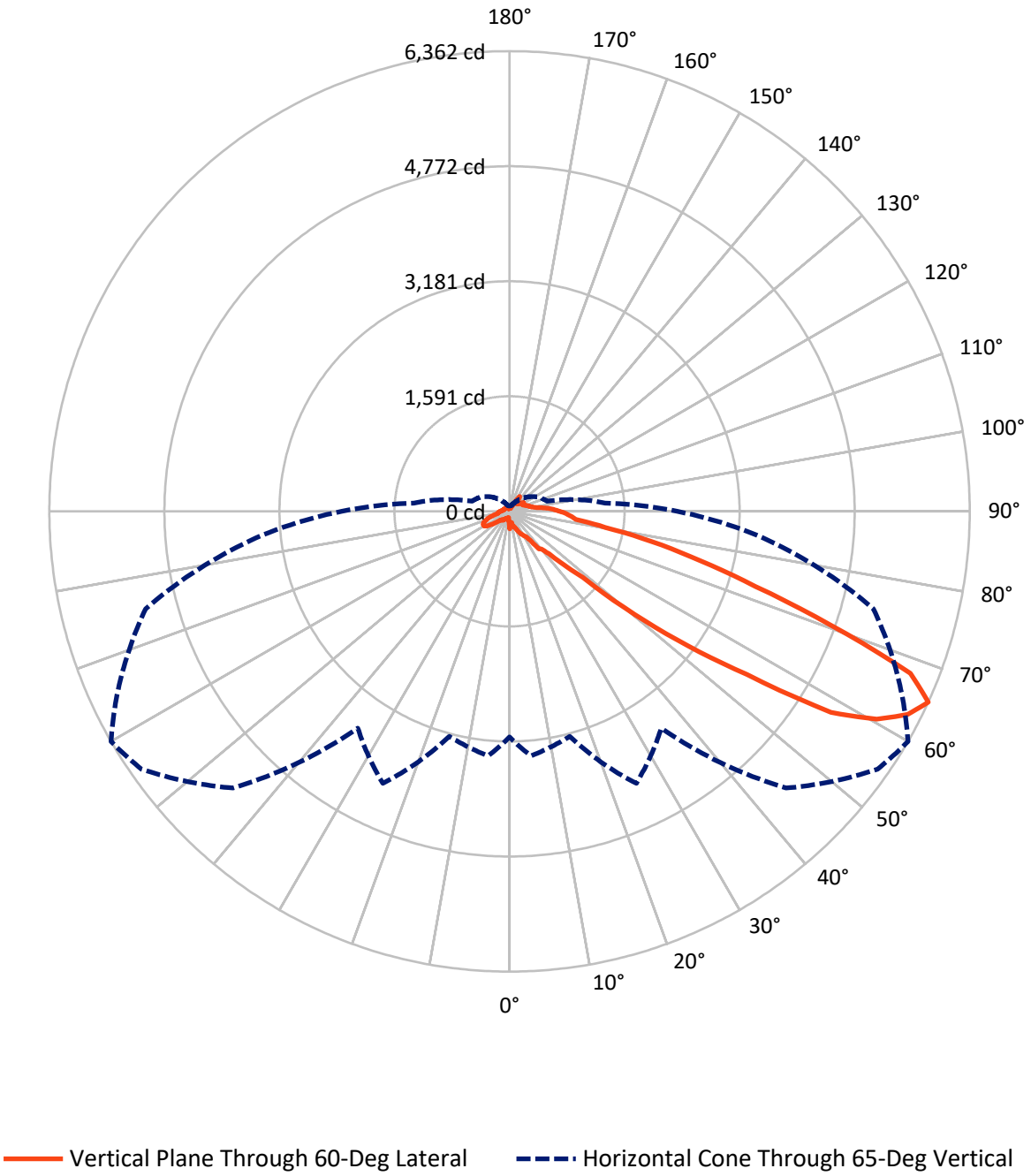
Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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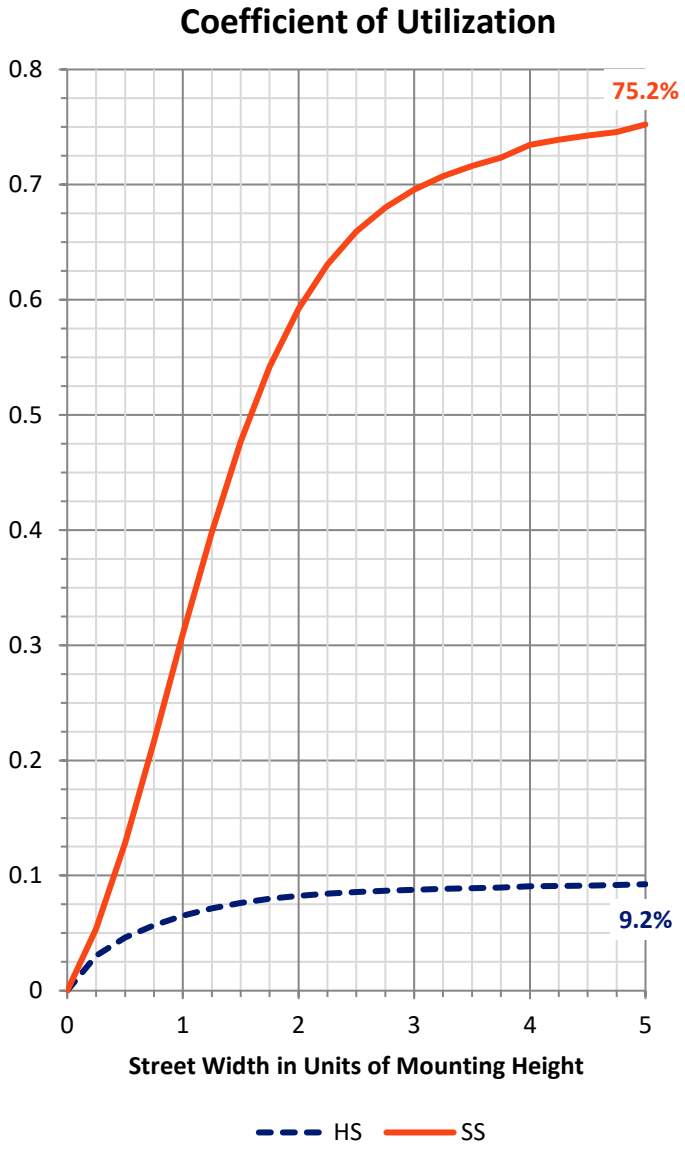
REPORT NUMBER: P1046591
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	684.7	221.0	905.7
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	5502.7	653.2	6155.9
	% Fixture	77.9	9.2	87.2
Total	Lumens	6187.4	874.2	7061.6
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.2
10°-20°	45.2	0.6
20°-30°	96.7	1.4
30°-40°	198.3	2.8
40°-50°	464.7	6.6
50°-60°	1453.6	20.6
60°-70°	2276.0	32.2
70°-80°	1204.0	17.1
80°-90°	436.0	6.2
90°-100°	262.9	3.7
100°-110°	164.7	2.3
110°-120°	133.1	1.9
120°-130°	111.0	1.6
130°-140°	80.9	1.1
140°-150°	74.3	1.1
150°-160°	30.9	0.4
160°-170°	12.3	0.2
170°-180°	4.0	0.1
0°-90°	6187.4	87.6
0°-180°	7061.6	100.0



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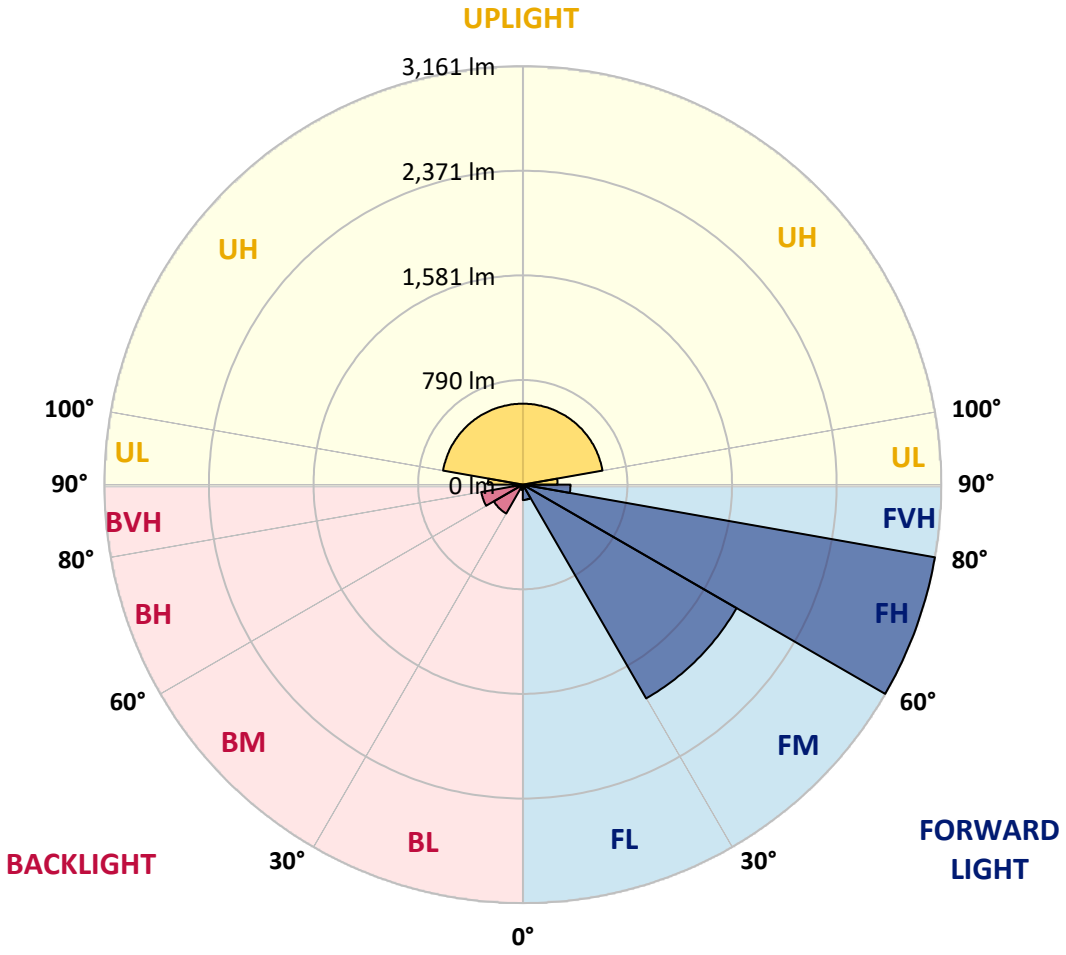
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	116.4	1.6			
FM	(30°-60°)	1864.8	26.4			
FH	(60°-80°)	3161.3	44.8			G2/5000
FVH	(80°-90°)	360.2	5.1			G3/500
BL	(0°-30°)	38.4	0.5	B0/110		
BM	(30°-60°)	251.8	3.6	B1/1000		
BH	(60°-80°)	318.7	4.5	B1/500		G1/500
BVH	(80°-90°)	75.7	1.1			G1/100
UL	(90°-100°)	262.9	3.7		U3/500	
UH	(100°-180°)	611.3	8.7		U4/1000	

BUG Rating: B1-U4-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7
2.5°	132.2	137.4	167.3	198.3	207.1	188.0	162.7	165.8	179.7	246.4	275.8
5°	154.9	156.5	153.9	157.5	179.2	206.6	190.6	172.0	147.2	106.4	105.4
7.5°	178.2	178.2	177.1	164.2	149.3	144.6	158.6	161.1	158.6	132.2	114.1
10°	194.2	194.2	193.7	194.7	195.7	190.6	167.9	159.1	149.8	138.4	133.2
12.5°	235.5	236.5	243.3	239.6	226.2	212.3	214.9	212.3	198.3	174.0	153.9
15°	288.2	290.3	291.3	277.9	256.2	230.3	213.8	209.7	207.1	193.2	173.0
17.5°	315.6	314.5	302.1	288.2	274.2	255.7	240.2	234.0	224.7	207.1	185.4
20°	312.5	312.5	300.1	297.0	298.0	286.6	267.0	259.3	248.9	232.4	202.5
22.5°	321.2	321.8	314.0	316.6	328.0	316.6	297.5	292.3	282.5	258.8	228.3
25°	354.8	354.8	346.0	342.4	352.2	348.1	337.3	331.1	317.1	288.2	234.5
27.5°	385.3	383.2	375.0	376.0	366.7	364.6	362.0	359.5	347.1	301.1	237.6
30°	409.0	409.0	401.8	406.5	386.8	389.9	380.6	387.9	371.9	318.7	249.5
32.5°	430.7	433.8	431.3	437.4	414.2	427.6	411.6	419.4	409.6	350.2	283.0
35°	480.8	484.4	496.3	511.8	483.4	497.4	472.1	482.9	473.1	421.4	347.6
37.5°	679.7	674.0	648.2	622.9	595.5	652.8	646.6	656.9	641.5	558.3	439.0
40°	683.8	680.7	675.5	659.5	607.9	664.7	667.3	685.9	732.4	599.1	474.6
42.5°	701.4	705.0	766.4	774.2	735.5	823.8	799.5	800.5	959.6	709.6	612.5
45°	811.4	811.4	831.0	840.8	829.4	1083.0	1079.4	1048.4	1248.8	885.2	720.5
47.5°	930.2	933.8	969.9	1067.0	1130.6	1370.7	1442.0	1367.6	1630.5	1161.5	992.7
50°	1277.7	1285.0	1397.6	1482.8	1602.1	2006.5	2357.2	2244.1	2656.7	1772.0	1495.7
52.5°	1529.3	1619.1	1681.1	2001.8	2048.3	2669.6	3122.1	3083.3	3360.1	2452.7	1815.4
55°	1820.0	1960.0	2001.3	2498.7	2581.8	3444.8	3914.3	3983.0	4000.1	3170.6	2134.0
57.5°	2298.8	2515.7	2523.5	3049.2	3063.7	4342.5	5089.8	5241.1	5068.6	4006.2	2636.6
60°	2693.4	2947.5	2862.3	3578.1	3434.5	5068.6	5661.5	5833.0	5512.8	4720.5	2987.8
62.5°	2937.7	3183.0	3070.9	3950.0	3657.6	5380.1	6002.9	6179.0	5826.8	5100.1	3257.9
65°	3120.0	3392.2	3219.7	4148.3	3657.1	5407.9	6213.6	6362.4	5985.4	5209.1	3337.4
67.5°	3123.6	3367.9	3152.5	4077.5	3413.9	4966.4	5884.6	5978.6	5560.3	4822.3	3100.9
70°	2730.6	2906.2	2667.0	3441.2	2753.8	3769.2	4595.5	4707.1	4286.2	3707.2	2402.6
72.5°	2284.9	2353.5	2116.5	2752.3	2156.8	2852.5	3513.0	3554.9	3332.3	2777.1	1857.2
75°	1794.2	1767.9	1645.0	2051.9	1639.8	2020.9	2759.0	2718.7	2596.3	2043.7	1417.2
77.5°	1197.2	1148.1	1154.3	1407.9	1145.5	1337.1	2009.1	2010.6	1967.7	1515.3	1010.7
80°	730.3	731.8	711.7	893.0	756.1	888.8	1384.7	1339.2	1340.2	999.4	707.6
82.5°	571.2	580.5	555.2	643.5	595.5	707.0	904.9	930.2	902.8	733.9	521.1
85°	560.9	569.1	542.8	597.6	566.0	675.5	851.1	849.1	834.6	680.7	492.7
87.5°	513.9	523.7	504.1	542.3	518.0	625.4	783.5	773.2	759.2	640.4	470.0
90°	433.8	451.9	438.5	486.0	452.4	538.2	681.2	677.1	669.9	566.0	418.3
92.5°	394.6	398.2	388.4	431.3	394.1	471.5	604.8	591.9	575.9	491.2	356.4
95°	353.3	351.7	342.4	377.0	344.0	394.6	513.9	494.3	486.0	414.7	297.5
97.5°	283.0	283.5	278.9	302.7	278.9	315.0	385.8	378.6	362.0	309.9	227.8
100°	247.9	249.5	246.4	264.9	244.8	268.0	321.2	319.7	306.3	264.4	198.8
102.5°	234.5	235.0	239.1	250.5	231.4	248.4	292.8	293.4	284.6	246.4	187.0
105°	225.2	224.7	227.8	237.1	220.5	232.9	273.7	273.7	261.3	232.4	177.1
107.5°	217.9	216.9	222.1	229.8	218.5	222.1	253.6	255.7	243.8	216.4	168.4
110°	209.7	209.2	217.9	223.6	212.8	213.3	240.7	239.1	228.3	210.7	165.8

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REPORT NUMBER: P1046591
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	212.8	215.9	225.7	209.7	193.7	194.7	215.9	*218.5*	210.7	192.6	157.5
115°	210.2	213.3	226.2	203.5	179.7	185.9	203.5	*205.6*	194.2	179.2	148.2
117.5°	200.9	201.9	209.7	204.0	179.2	186.4	195.2	*198.8*	190.6	179.2	149.8
120°	237.6	229.8	229.8	221.0	193.2	206.1	222.6	*225.7*	217.9	196.8	149.3
122.5°	218.5	215.9	216.4	205.0	191.1	201.9	221.6	*226.7*	220.0	198.8	149.3
125°	172.0	172.5	169.9	173.5	167.9	171.5	181.8	*190.1*	183.9	172.5	142.0
127.5°	156.5	156.0	152.9	168.4	150.8	158.0	167.9	*172.5*	166.3	153.4	128.6
130°	152.4	152.4	161.1	177.1	166.8	163.7	160.1	*164.8*	163.7	155.5	128.6
132.5°	142.5	143.1	156.0	176.6	172.5	158.0	145.1	*147.7*	152.4	154.4	135.8
135°	142.5	141.0	136.9	141.5	138.9	142.5	138.9	*142.5*	143.6	142.5	118.8
137.5°	151.8	150.8	140.5	134.3	134.8	146.2	146.7	*148.2*	146.7	138.4	115.2
140°	148.7	145.1	137.9	135.3	135.8	147.7	152.4	*153.4*	151.8	135.8	108.5
142.5°	143.6	143.6	145.6	148.7	153.4	208.7	194.2	*207.6*	208.1	191.6	111.6
145°	206.1	208.1	201.9	195.2	211.8	251.0	236.0	*250.5*	260.3	242.2	153.9
147.5°	185.9	189.0	185.4	179.7	201.4	201.9	192.6	*194.2*	196.8	200.9	155.5
150°	131.7	128.1	133.8	129.6	151.3	150.3	137.4	*140.5*	146.2	146.7	124.0
152.5°	97.6	96.1	95.0	94.5	109.0	100.2	95.5	*94.0*	95.0	94.5	88.8
155°	86.3	86.3	85.7	88.3	96.1	89.9	85.2	*85.7*	83.2	81.6	78.5
157.5°	67.1	65.6	67.1	71.8	74.9	69.2	67.7	*66.6*	66.1	63.5	64.6
160°	55.3	55.3	56.3	59.9	62.0	57.8	54.7	*53.7*	53.7	52.7	56.3
162.5°	47.0	47.0	48.0	49.1	50.1	48.0	47.0	*47.0*	46.5	46.5	50.1
165°	39.3	39.3	39.8	41.8	42.4	41.3	40.8	*41.3*	41.3	43.4	46.5
167.5°	36.2	36.2	36.7	37.7	38.2	37.7	39.3	*40.8*	42.4	44.4	45.4
170°	34.6	34.6	35.1	35.6	36.7	37.7	40.8	*41.8*	42.4	41.8	41.8
172.5°	35.6	35.6	35.6	36.7	37.7	40.3	42.9	*42.9*	41.8	40.8	40.8
175°	36.2	35.6	36.2	37.2	38.7	40.3	41.3	*42.4*	42.4	41.8	41.8
177.5°	35.6	35.6	36.2	36.7	36.7	36.7	37.2	*37.7*	37.7	38.2	38.7
180°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	*35.1*	35.1	35.1	35.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7
2.5°	270.1	255.1	189.0	125.5	153.9	224.7	261.8	245.3	182.8	105.4	89.3
5°	110.5	124.0	144.6	138.4	124.5	102.3	77.0	76.4	105.9	128.6	130.7
7.5°	106.4	97.6	92.4	102.3	95.5	66.1	55.8	46.5	49.6	72.8	69.7
10°	131.2	128.1	119.3	97.6	71.8	59.4	55.8	56.8	60.9	54.7	54.2
12.5°	146.2	138.4	119.3	113.1	96.1	68.2	56.3	52.2	55.8	69.7	75.4
15°	160.1	148.7	125.0	104.8	86.3	70.8	60.4	52.7	47.0	40.8	40.3
17.5°	172.5	158.0	131.7	109.0	85.7	70.8	58.4	46.0	39.8	37.7	37.7
20°	187.5	174.0	140.5	113.6	86.3	69.2	56.3	45.4	39.8	37.7	37.7
22.5°	207.6	185.4	149.8	115.7	87.3	68.7	55.3	46.5	41.3	38.2	38.2
25°	213.3	196.3	156.0	122.4	91.4	71.3	57.8	48.0	42.4	39.8	39.3
27.5°	217.4	204.5	167.9	128.1	96.1	76.4	62.0	50.1	43.4	40.8	40.3
30°	233.4	222.1	180.8	136.3	102.3	81.6	65.6	53.2	45.4	41.3	40.3
32.5°	267.5	251.5	199.9	144.6	110.0	87.3	70.2	56.3	47.5	42.4	41.3
35°	332.6	319.7	250.5	161.7	118.3	94.5	75.9	60.4	50.1	43.9	43.4
37.5°	408.0	387.9	304.2	188.0	124.0	100.7	81.6	64.6	52.7	46.5	45.4
40°	420.9	363.6	269.6	171.5	125.0	103.8	86.8	69.2	55.8	48.5	47.0
42.5°	527.8	446.2	312.5	177.1	127.6	103.8	87.8	72.3	58.9	50.1	49.1
45°	558.3	444.7	310.9	197.8	140.0	106.9	88.3	73.9	61.5	52.7	51.1
47.5°	711.7	545.4	315.6	210.2	152.9	117.8	91.9	74.9	62.0	54.2	53.7
50°	1017.4	729.3	379.6	253.6	183.3	137.4	103.3	78.5	63.0	55.8	55.3
52.5°	1256.6	866.1	407.5	303.7	233.4	174.6	123.4	87.8	65.1	56.3	55.3
55°	1493.6	1032.9	459.1	358.4	277.9	210.2	153.4	102.8	70.2	57.3	56.3
57.5°	1855.2	1240.0	523.2	412.1	329.5	243.8	171.5	116.2	76.4	58.4	56.8
60°	2074.7	1313.4	529.9	439.5	358.9	267.5	177.7	121.4	84.2	62.5	59.9
62.5°	2271.9	1379.5	534.5	451.9	364.1	270.1	178.2	117.2	85.7	68.7	65.6
65°	*2323.1*	*1325.8*	*539.2*	*456.0*	*354.8*	*255.1*	*171.5*	*113.1*	*81.6*	*74.4*	*73.9*
67.5°	2207.4	1188.9	507.2	440.5	330.0	229.3	154.4	107.4	79.5	72.3	73.9
70°	1719.8	944.1	464.8	405.9	285.1	193.7	137.4	100.2	78.5	68.7	67.1
72.5°	1355.2	803.1	469.5	386.8	240.7	171.5	121.4	91.4	74.4	67.1	66.1
75°	1055.7	673.0	451.9	333.1	195.2	146.2	106.4	81.6	69.2	64.6	64.0
77.5°	774.2	534.0	372.9	256.7	161.1	121.9	93.0	74.9	65.6	61.5	60.9
80°	507.7	377.5	259.8	205.0	138.9	110.0	84.7	70.2	63.0	59.4	58.9
82.5°	431.8	335.2	230.9	188.5	128.6	105.9	83.2	68.7	62.5	58.4	57.8
85°	416.3	343.5	236.0	195.2	122.4	101.2	80.6	67.7	60.9	57.3	56.8
87.5°	391.0	310.9	228.3	175.1	113.1	92.4	75.4	65.1	58.4	55.3	54.2
90°	348.1	266.0	196.3	150.3	107.4	86.8	71.3	62.0	56.8	53.7	52.7
92.5°	281.0	201.9	154.4	132.7	104.8	86.3	70.8	62.0	56.8	53.7	52.7
95°	236.0	173.0	138.4	121.4	97.6	81.6	67.7	59.9	55.3	52.2	52.2
97.5°	187.0	144.6	123.4	109.0	87.8	74.4	64.0	57.3	53.2	50.1	50.1
100°	165.8	134.3	117.2	102.3	83.2	70.2	62.5	55.8	52.2	48.5	48.5
102.5°	157.5	130.2	115.7	97.1	79.5	67.7	59.9	53.7	50.6	47.0	47.0
105°	152.4	128.6	114.7	94.5	75.9	64.6	57.3	51.1	48.5	46.0	45.4
107.5°	147.2	126.5	116.2	93.0	72.8	62.5	57.3	50.6	47.5	45.4	45.4
110°	144.6	127.6	115.7	91.4	71.8	62.0	56.8	51.1	48.5	46.5	46.0

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

Scaled Data Report

REPORT NUMBER: P1046591
CATALOG NUMBER: FFX-CLB-60-722-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	137.9	121.9	110.5	86.8	70.2	60.4	54.7	50.6	47.0	44.9	44.4
115°	131.2	112.1	101.2	82.6	66.6	58.4	53.2	49.1	45.4	43.9	43.9
117.5°	133.8	109.5	93.0	81.1	65.6	56.8	52.2	48.0	44.9	43.9	43.4
120°	132.2	115.2	104.3	86.8	65.1	55.3	51.1	47.0	44.4	43.9	43.9
122.5°	126.5	124.5	114.7	88.3	63.0	55.8	52.2	48.5	46.0	44.4	44.4
125°	121.9	120.9	106.9	79.5	64.6	57.8	54.7	51.1	49.6	48.0	47.5
127.5°	112.6	101.2	88.8	76.4	65.6	58.9	55.8	53.7	52.2	49.6	49.1
130°	113.1	103.8	91.4	77.0	63.0	57.8	56.3	54.2	51.6	47.5	47.0
132.5°	122.9	113.1	90.9	71.3	60.4	57.8	56.8	54.2	48.5	43.9	43.4
135°	102.3	95.5	80.6	68.2	61.5	59.9	59.4	53.7	45.4	42.4	41.8
137.5°	99.7	89.9	77.5	68.7	64.0	60.9	58.9	51.6	42.4	39.3	38.2
140°	94.0	84.7	75.9	69.7	62.0	51.6	47.0	43.4	39.3	36.7	36.2
142.5°	94.0	85.2	71.8	61.5	53.7	48.0	45.4	42.4	37.7	34.1	33.1
145°	111.0	100.7	86.8	78.0	69.7	60.9	52.2	42.9	35.1	30.5	30.0
147.5°	126.0	113.6	102.8	88.3	74.9	60.4	48.0	37.7	32.0	30.0	30.0
150°	103.3	91.9	86.3	73.9	62.0	49.6	40.8	35.1	32.0	31.0	31.0
152.5°	77.5	65.1	60.9	54.2	47.0	40.8	36.7	33.6	32.5	32.0	32.0
155°	72.3	62.0	56.8	50.6	43.4	38.2	35.6	34.1	33.1	32.5	32.5
157.5°	63.0	57.3	50.6	46.0	40.8	37.2	35.6	34.6	33.6	33.1	33.1
160°	56.3	52.2	46.0	42.4	38.7	37.2	37.2	36.7	35.1	34.6	34.6
162.5°	50.6	49.1	43.4	40.3	38.7	39.3	41.8	41.3	38.7	36.7	36.2
165°	47.0	45.4	41.3	39.8	38.7	40.8	46.0	44.9	40.8	38.2	38.2
167.5°	44.9	43.9	40.8	39.3	39.8	43.9	48.5	49.1	45.4	41.8	41.3
170°	41.3	41.3	40.8	41.3	41.3	43.4	46.0	47.5	47.5	48.5	48.0
172.5°	40.8	41.3	42.9	42.9	42.4	42.9	44.9	47.5	49.1	50.6	51.1
175°	41.8	42.4	43.4	43.9	43.9	44.9	48.0	50.1	51.1	50.6	50.6
177.5°	38.7	39.3	39.8	41.8	42.9	43.9	47.0	48.0	49.1	50.1	50.1
180°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1

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

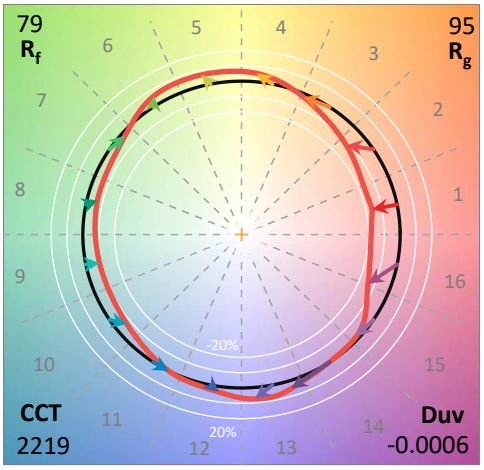
Test Information

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

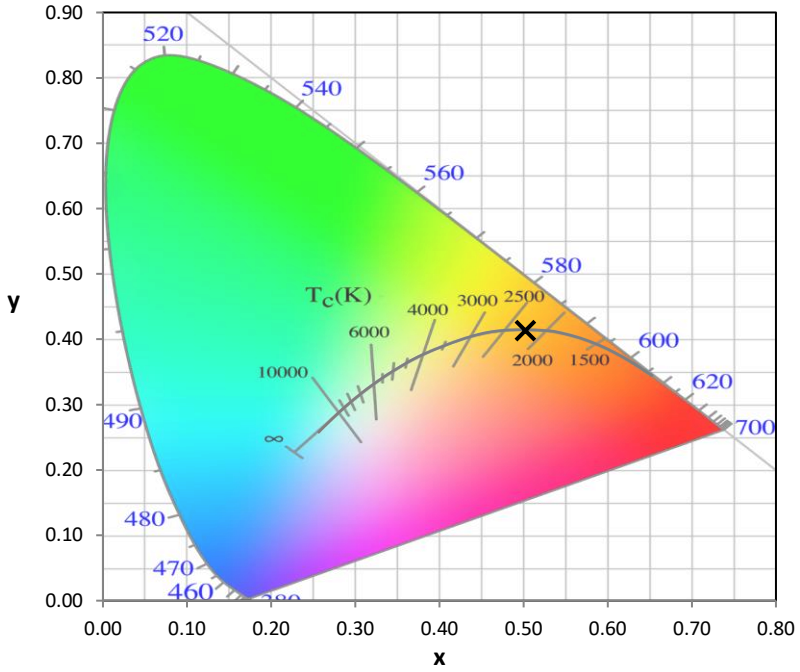
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

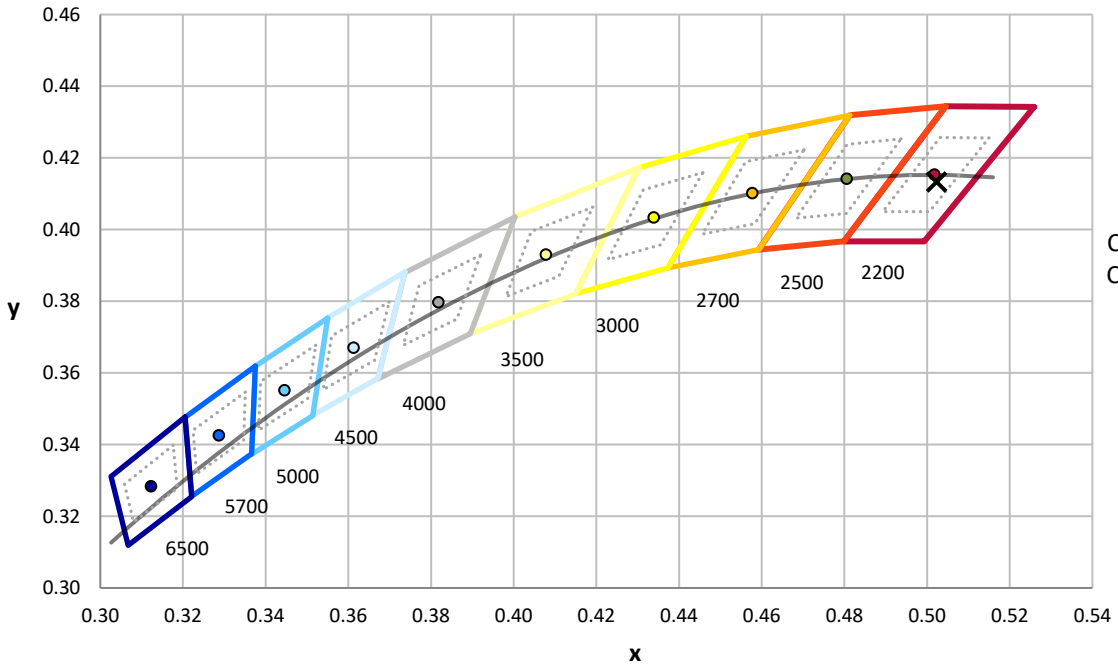
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

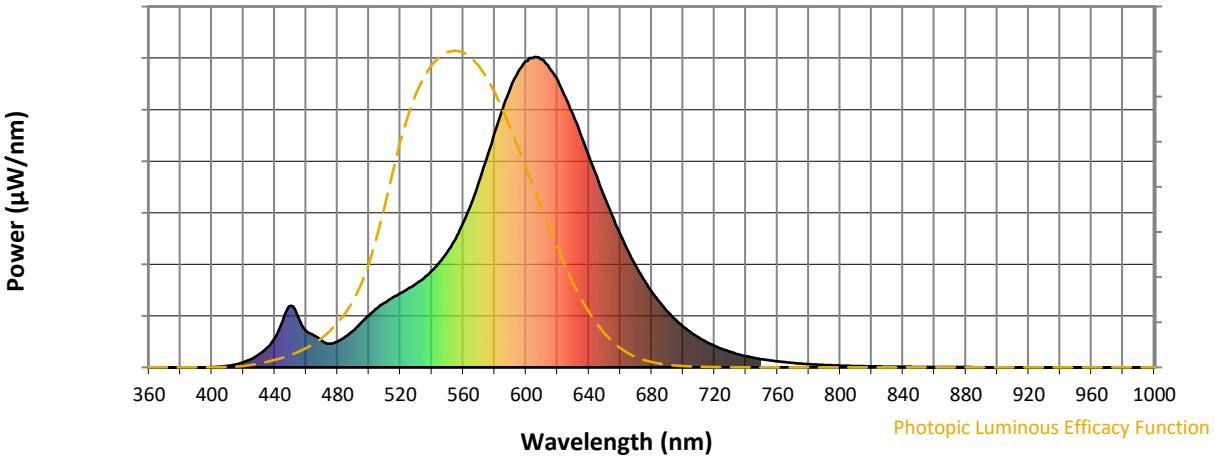


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

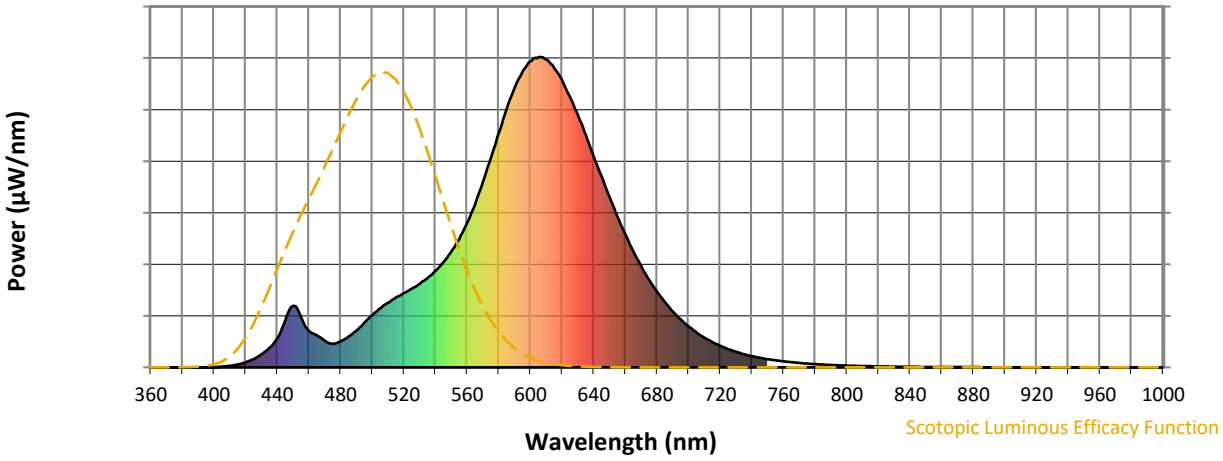


Photopic Lumens: NR

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

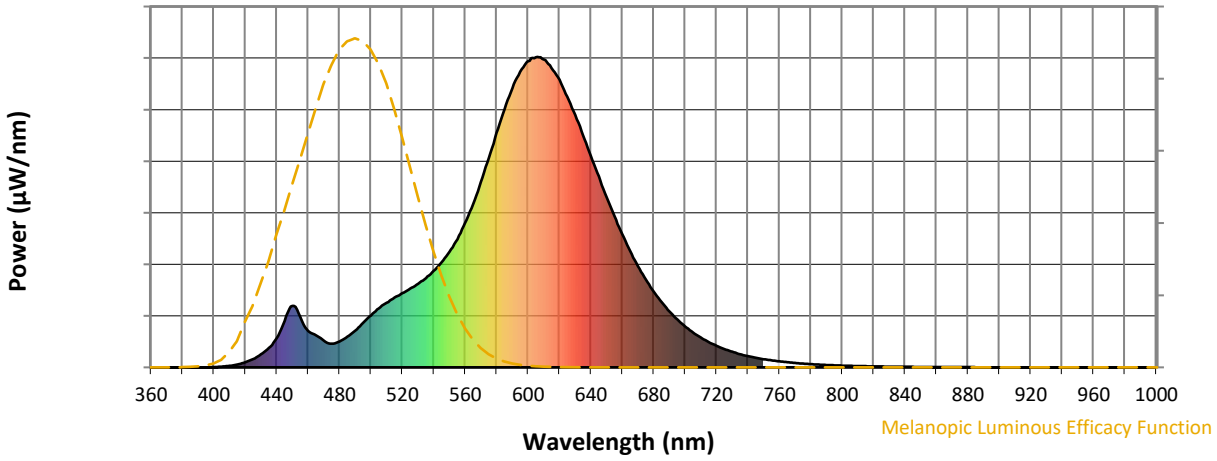


Scotopic Lumens: NR **S/P: 0.94**

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			

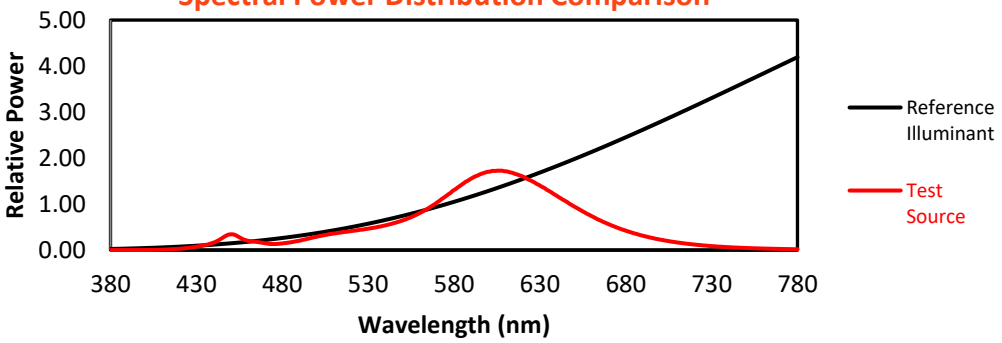
REPORT NUMBER: SP1-2501-332-2

TM-30-18

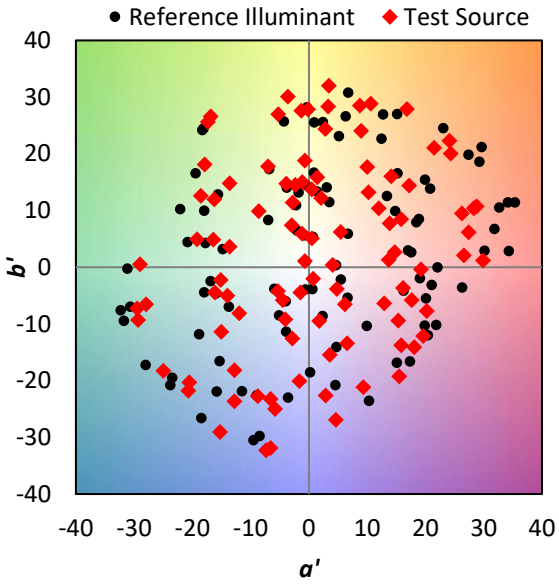
Summary

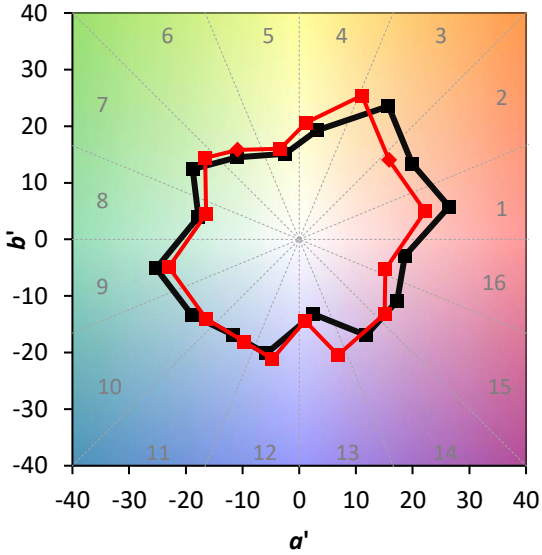
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

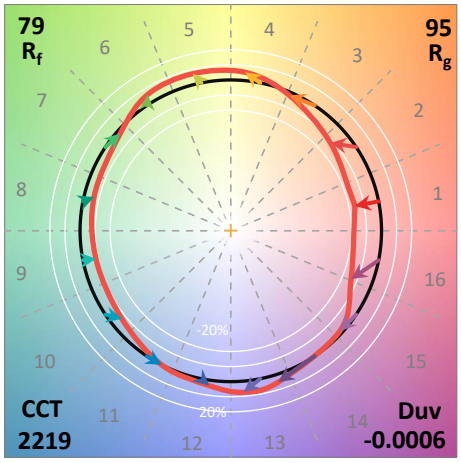
Spectral Power Distribution Comparison

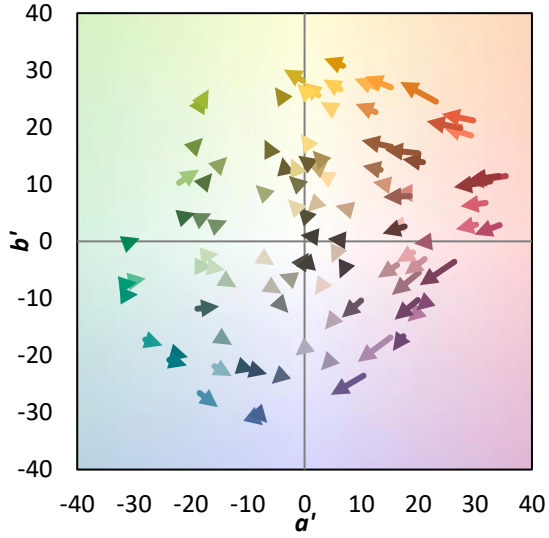


Color Vector Graphics







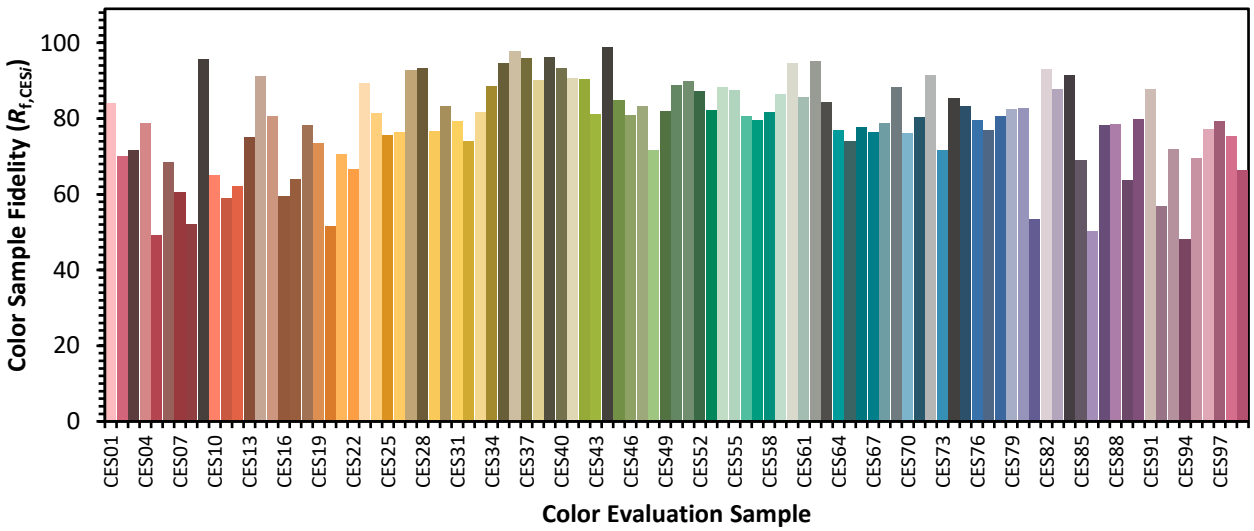


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

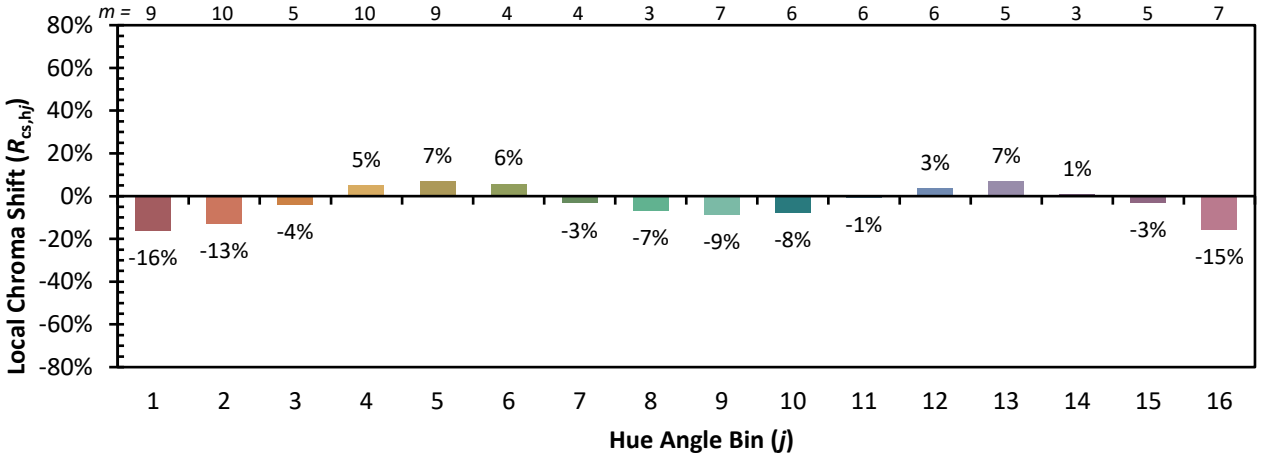
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57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

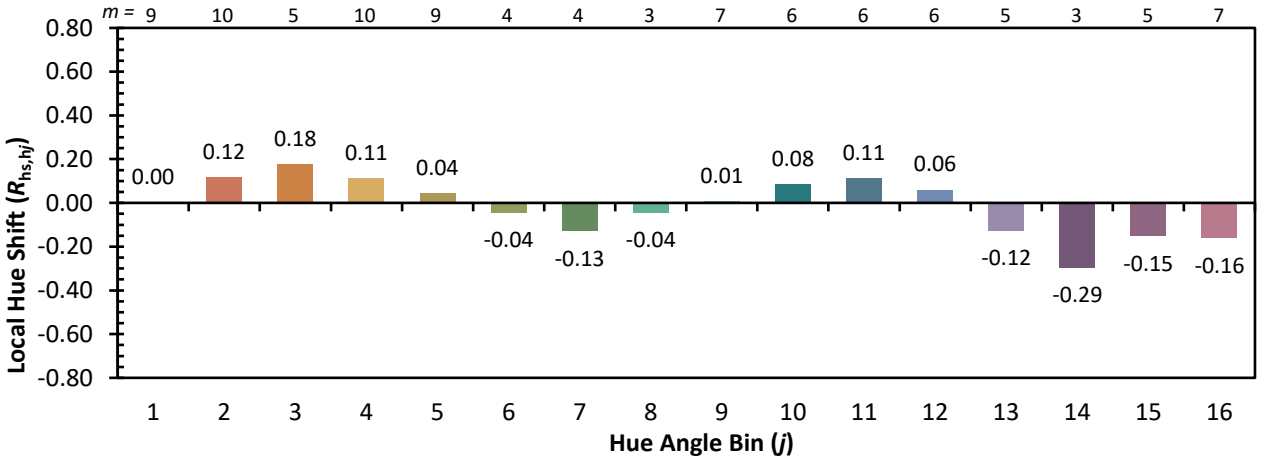


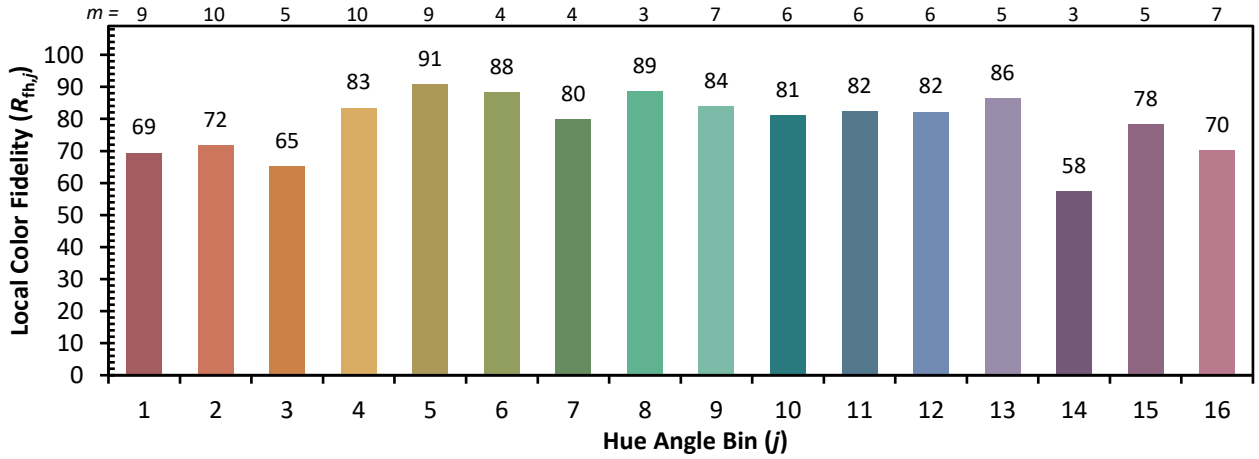
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



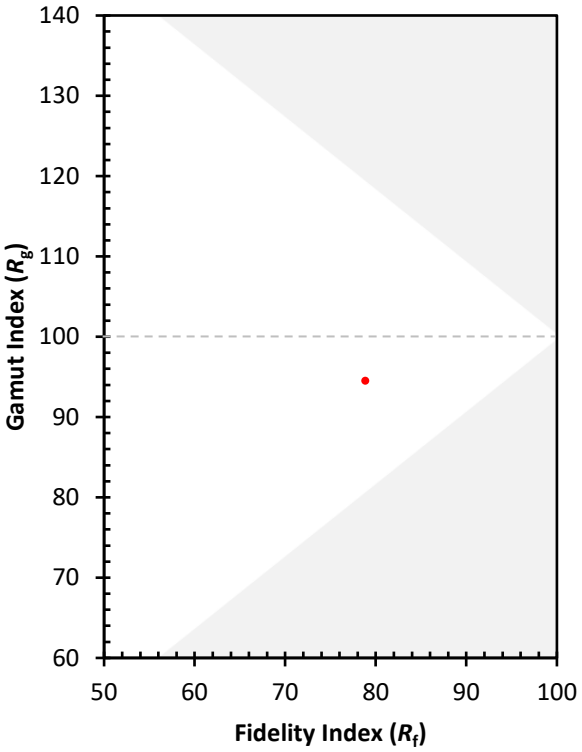


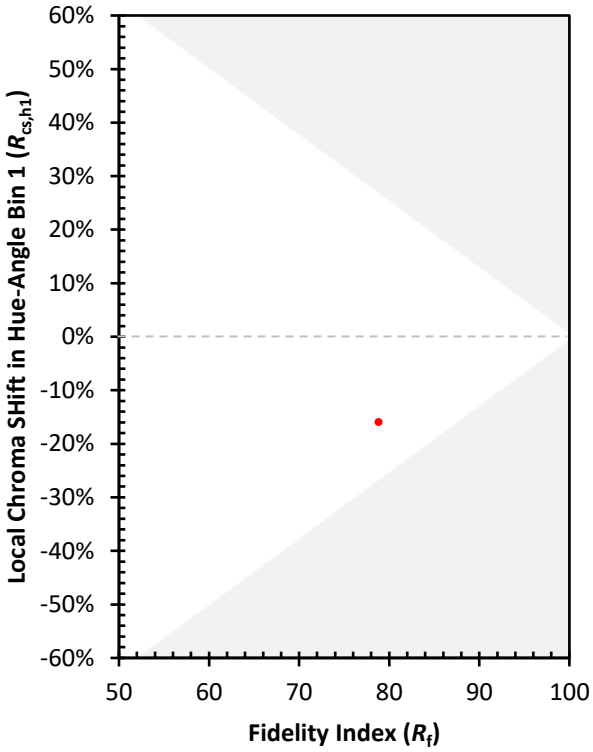


REPORT NUMBER: SP1-2501-332-2

TM-30-18

Measure Comparisons





(END OF REPORT)