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: P981448

Luminaire Tested: **FFX-CLB-40-750-U-FR-T3**

Issue Date: 04/15/2025

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981448
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-750-U-FR-T3
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS
Light Source:	(4) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6506.1 lumens
Efficiency:	N/A
Efficacy:	165.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U4 - 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

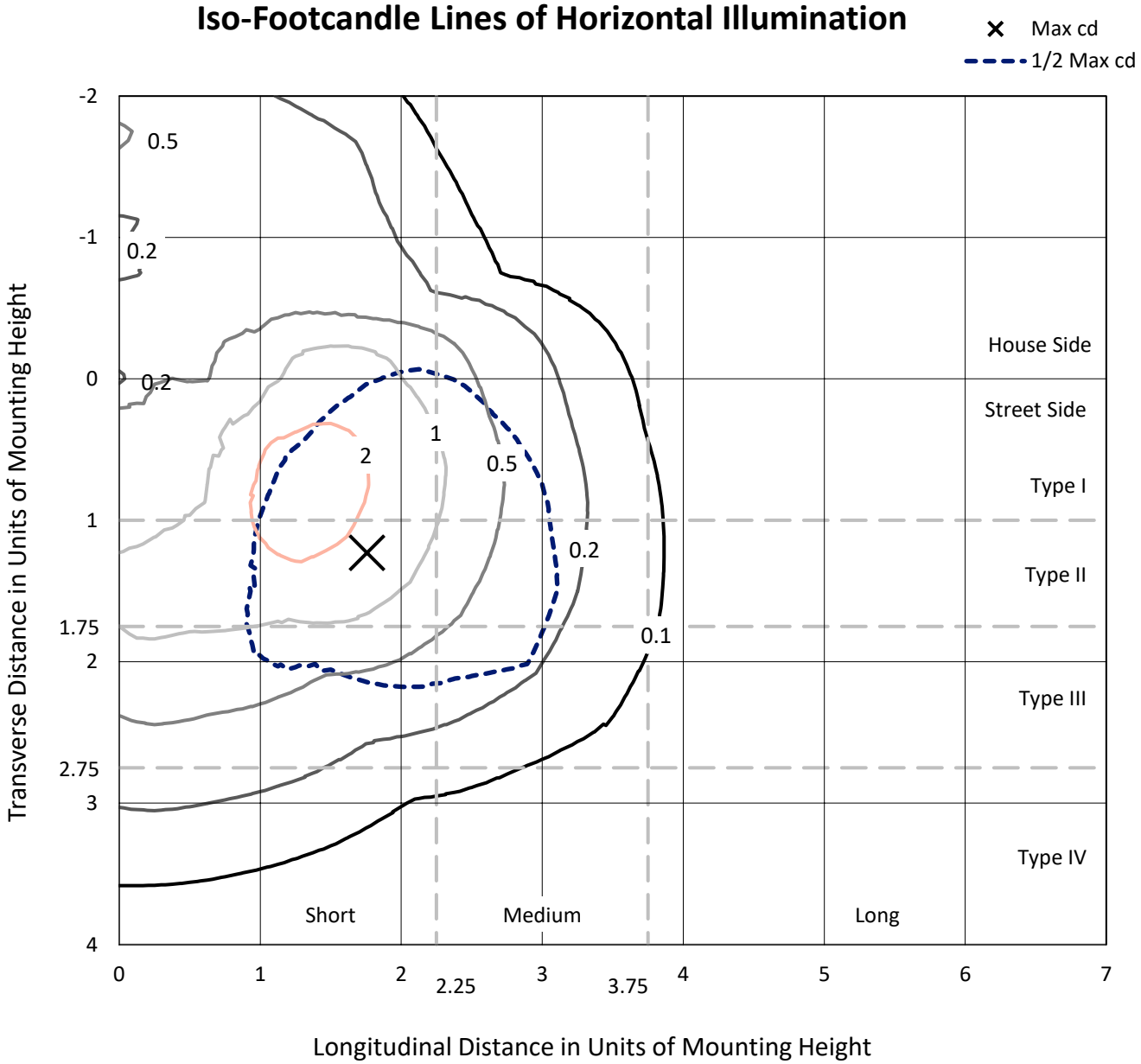


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REPORT NUMBER: P981448
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Iso-Footcandle Lines of Horizontal Illumination



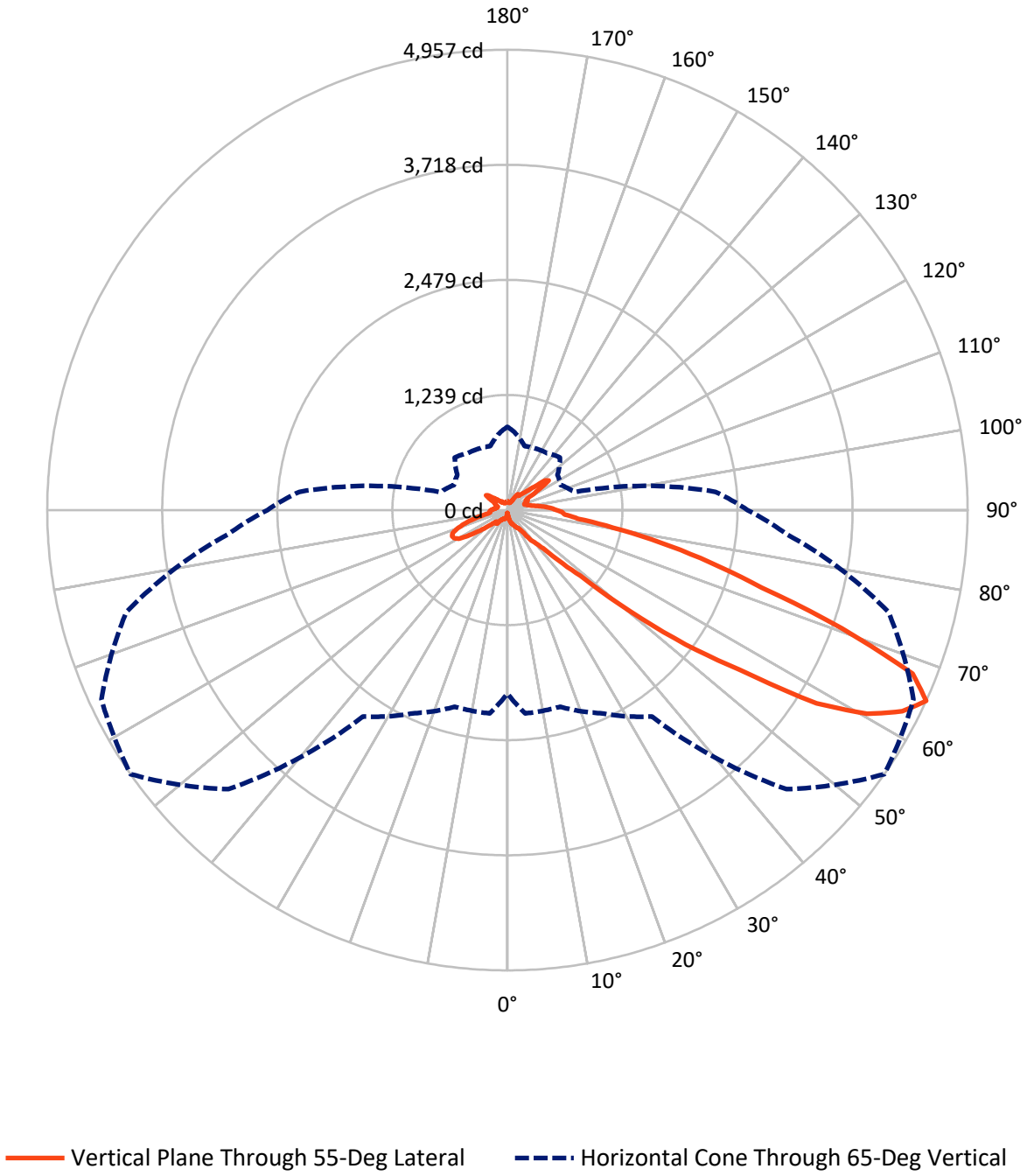
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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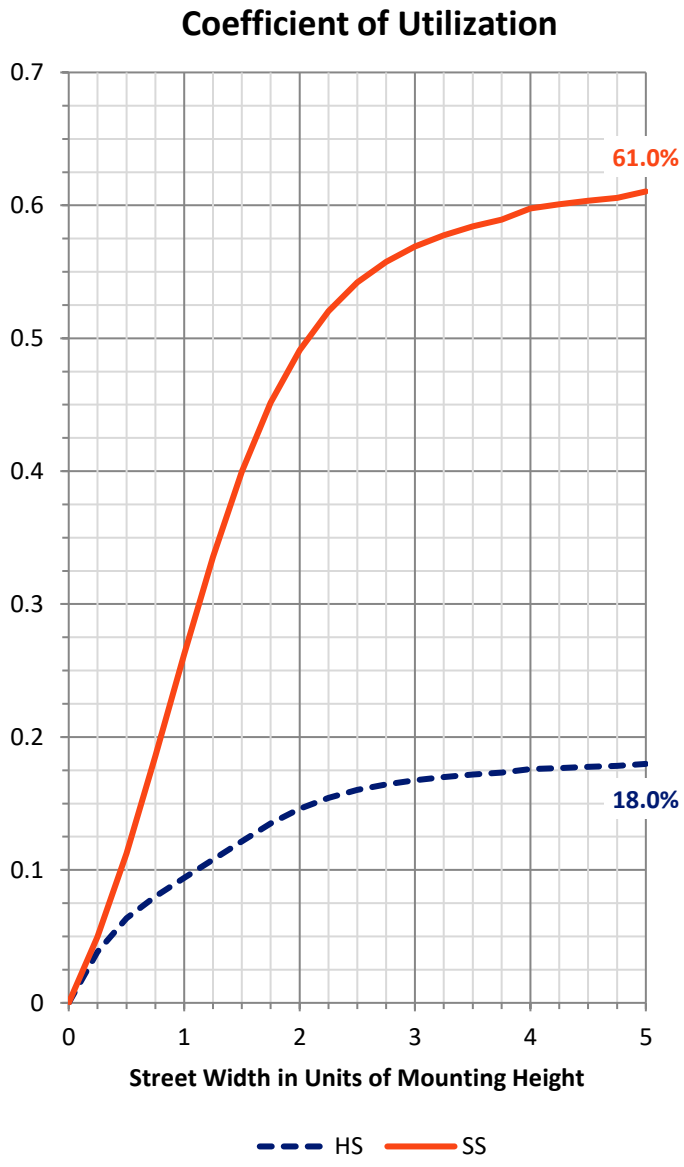
REPORT NUMBER: P981448
CATALOG NUMBER: FFX-CLB-40-750-U-FR-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1219.5	436.9	1656.4
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	4100.2	749.5	4849.7
	% Fixture	63.0	11.5	74.5
Total	Lumens	5319.7	1186.4	6506.1
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	33.1	0.5
20°-30°	67.9	1.0
30°-40°	142.3	2.2
40°-50°	375.6	5.8
50°-60°	1249.9	19.2
60°-70°	2016.1	31.0
70°-80°	1057.6	16.3
80°-90°	371.1	5.7
90°-100°	239.6	3.7
100°-110°	155.4	2.4
110°-120°	170.4	2.6
120°-130°	286.6	4.4
130°-140°	167.9	2.6
140°-150°	89.8	1.4
150°-160°	44.6	0.7
160°-170°	23.5	0.4
170°-180°	8.5	0.1
0°-90°	5319.7	81.8
0°-180°	6506.1	100.0



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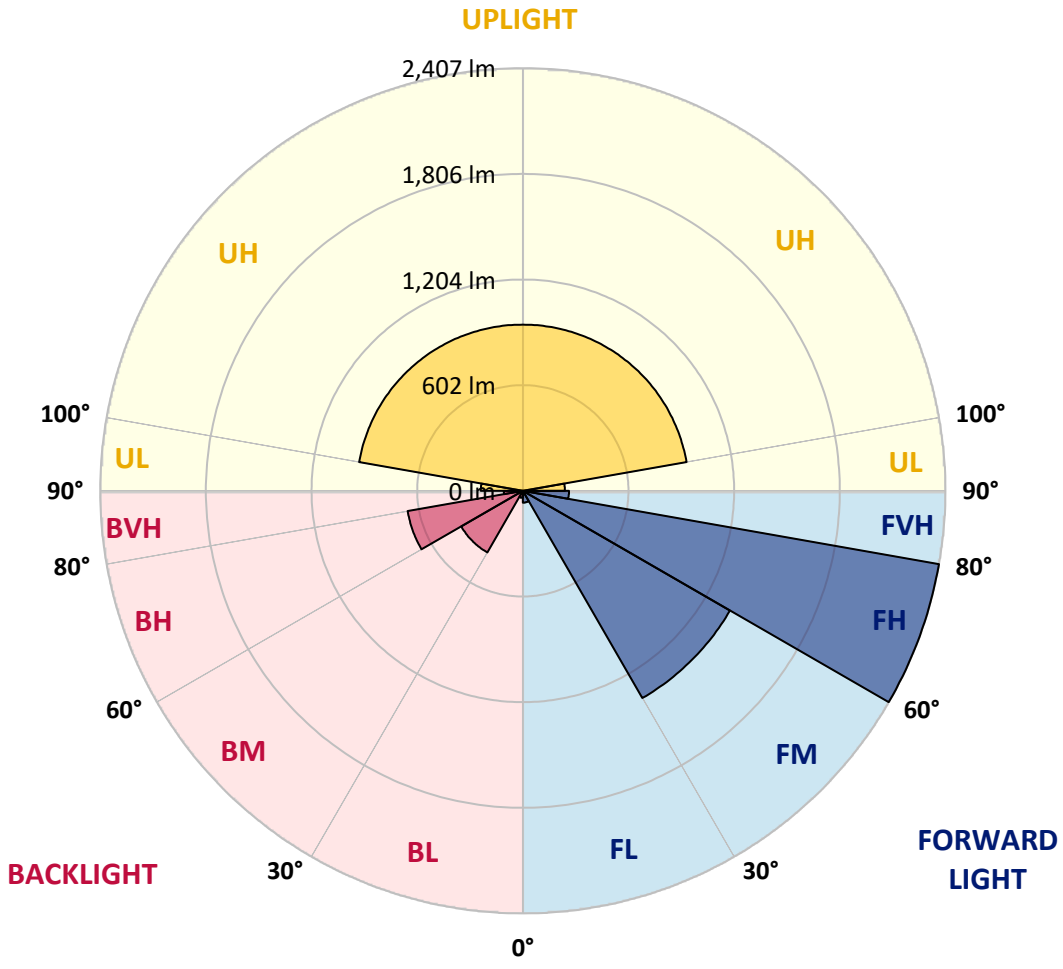
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	67.5	1.0			
FM	(30°-60°)	1362.5	20.9			
FH	(60°-80°)	2407.4	37.0			G2/5000
FVH	(80°-90°)	262.8	4.0			G3/500
BL	(0°-30°)	39.5	0.6	B0/110		
BM	(30°-60°)	405.2	6.2	B1/1000		
BH	(60°-80°)	666.4	10.2	B2/1000		G2/1000
BVH	(80°-90°)	108.4	1.7			G2/225
UL	(90°-100°)	239.6	3.7		U3/500	
UH	(100°-180°)	946.8	14.6		U4/1000	

BUG Rating: B2-U4-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	36.8	36.8	36.8	36.8	36.8	36.8	*36.8*	36.8	36.8	36.8	36.8
2.5°	36.8	37.7	39.8	40.7	41.1	40.3	*38.6*	40.3	40.3	40.3	39.8
5°	53.6	53.6	53.6	54.8	55.3	56.1	*55.3*	53.1	51.4	49.7	49.3
7.5°	75.0	75.8	76.3	76.3	76.3	78.0	*79.7*	75.8	72.4	69.0	68.1
10°	107.5	105.4	103.2	104.1	102.4	99.0	*100.7*	97.7	90.0	87.4	87.4
12.5°	137.5	137.1	138.0	133.2	130.7	123.4	*124.2*	122.5	117.0	108.0	105.0
15°	154.2	155.5	155.1	156.8	152.9	142.7	*140.1*	141.0	135.8	127.2	123.0
17.5°	162.8	162.8	163.2	165.4	165.4	155.5	*151.2*	149.1	144.8	137.5	132.0
20°	167.1	167.1	166.7	169.7	175.7	170.1	*164.1*	160.7	156.8	145.2	136.7
22.5°	179.1	178.2	176.9	177.8	186.8	185.1	*180.4*	175.2	169.7	152.1	141.4
25°	191.5	191.9	188.1	189.4	198.4	200.9	*197.1*	191.9	185.5	158.9	148.2
27.5°	205.6	205.2	200.1	201.8	206.5	215.9	*211.2*	208.6	197.9	164.5	154.2
30°	218.5	216.4	211.2	215.5	215.5	230.5	*226.2*	227.5	214.2	174.8	163.7
32.5°	227.9	227.5	224.5	230.1	227.1	246.3	*245.1*	255.8	236.1	194.9	184.6
35°	249.3	249.8	262.2	272.9	267.8	296.0	*302.0*	315.7	291.8	245.1	233.9
37.5°	403.6	398.4	381.3	361.6	364.2	416.9	*409.6*	416.9	380.0	312.7	295.2
40°	425.0	426.3	406.6	391.6	389.4	456.7	*467.8*	527.0	449.8	374.9	340.2
42.5°	413.9	418.1	472.1	491.4	474.3	559.9	*563.4*	677.3	524.8	462.3	416.4
45°	524.8	525.7	536.8	549.2	551.4	764.7	*776.7*	902.7	667.5	582.2	504.7
47.5°	597.2	604.1	619.5	704.3	749.3	977.7	*1057.8*	1257.8	889.0	793.9	640.9
50°	844.4	863.3	939.5	1012.4	1082.6	1449.8	*1719.3*	1957.9	1335.4	1163.6	931.4
52.5°	1029.1	1096.8	1182.0	1357.7	1431.8	1981.4	*2404.7*	2552.5	1870.5	1577.0	1269.0
55°	1189.3	1313.5	1405.6	1693.1	1834.1	2583.4	*3034.9*	3056.4	2510.1	1924.9	1627.1
57.5°	1519.2	1700.4	1760.4	2006.3	2202.5	3300.1	*3927.3*	3821.9	3163.0	2321.2	2009.3
60°	1829.8	2038.4	2016.1	2242.8	2502.4	3916.6	*4455.6*	4402.0	3774.8	2696.5	2343.5
62.5°	1930.9	2142.5	2123.7	2361.9	2711.0	4204.1	*4772.6*	4683.9	4136.0	2931.3	2511.4
65°	*1975.0*	*2198.2*	*2193.1*	*2415.9*	*2713.6*	*4249.9*	*4957.3*	*4825.3*	*4249.5*	*3025.9*	*2585.1*
67.5°	1937.3	2149.8	2147.7	2352.9	2515.7	3917.5	*4707.5*	4513.0	3969.7	2803.2	2426.1
70°	1671.7	1819.5	1810.5	1936.5	2021.7	3113.8	*3820.2*	3673.3	3203.7	2303.6	2009.7
72.5°	1363.2	1406.9	1425.8	1497.8	1520.5	2278.8	*2864.9*	2747.9	2388.9	1725.3	1523.9
75°	1088.6	1090.8	1110.5	1135.7	1128.0	1676.4	*2256.5*	2184.1	1761.7	1287.0	1155.9
77.5°	720.6	715.0	801.6	811.9	762.6	1068.1	*1685.0*	1634.0	1260.8	937.8	845.3
80°	413.4	415.1	474.3	511.5	491.8	678.6	*1154.6*	1143.5	865.8	656.3	580.5
82.5°	308.5	323.0	354.7	374.4	366.7	510.2	*768.2*	789.2	615.2	472.1	431.4
85°	343.6	351.7	355.2	356.4	347.0	477.3	*620.4*	619.1	517.1	396.3	382.6
87.5°	334.6	341.5	344.5	346.2	336.7	456.3	*586.1*	577.5	496.1	380.9	360.7
90°	281.5	297.3	296.9	311.9	301.2	401.0	*514.1*	508.5	450.3	350.9	327.3
92.5°	236.1	245.1	251.1	271.6	262.2	353.0	*462.3*	449.4	403.1	319.2	293.9
95°	220.6	228.8	233.5	245.1	233.5	305.0	*389.4*	377.9	334.6	266.0	241.6
97.5°	185.9	188.5	192.8	200.5	192.8	247.2	*315.3*	304.2	268.6	217.2	200.1
100°	157.7	160.2	165.8	171.4	167.5	211.6	*263.9*	257.9	230.9	188.9	177.4
102.5°	149.1	150.8	158.1	161.5	156.8	194.5	*233.1*	233.1	209.1	174.4	164.9
105°	142.2	144.4	149.9	151.2	147.8	179.1	*215.1*	212.9	194.1	163.2	154.2
107.5°	135.4	138.0	142.7	140.5	138.8	164.9	*193.2*	196.6	180.4	155.1	149.1
110°	142.7	143.5	147.4	143.9	146.9	164.1	*194.1*	194.9	190.2	169.2	162.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	194.1	189.4	197.5	184.6	194.5	206.5	*225.3*	232.2	226.6	202.6	197.1
115°	212.5	215.9	224.5	211.6	218.1	232.6	*241.6*	242.9	236.5	221.1	218.9
117.5°	165.8	182.9	173.9	181.7	184.2	204.4	*224.9*	230.9	224.9	203.5	216.8
120°	212.1	225.8	194.9	185.5	198.4	233.5	*252.3*	257.5	241.2	241.6	249.8
122.5°	351.7	359.4	378.7	388.6	373.6	395.0	*401.4*	406.1	381.3	352.2	337.6
125°	533.8	528.2	525.7	523.1	519.2	542.0	*546.2*	534.2	509.4	468.7	446.0
127.5°	482.8	487.5	494.8	494.0	490.5	508.1	*518.8*	511.5	504.7	465.7	452.4
130°	347.4	349.6	362.4	385.6	383.0	397.1	*398.4*	405.7	417.3	400.1	386.4
132.5°	287.9	290.0	309.3	319.6	320.5	320.9	*314.9*	331.6	343.6	326.5	314.9
135°	251.1	251.1	255.3	251.5	252.8	263.9	*269.0*	284.0	287.0	278.9	267.3
137.5°	221.9	222.8	213.8	206.5	207.8	227.9	*239.5*	251.1	245.1	228.3	220.2
140°	193.2	188.5	176.1	173.9	183.4	202.6	*209.5*	217.6	219.4	197.9	187.2
142.5°	142.2	140.5	146.1	157.7	162.8	194.9	*189.8*	205.2	206.1	170.1	152.5
145°	158.9	158.5	158.1	160.2	172.2	218.9	*206.5*	226.2	235.6	180.8	147.8
147.5°	179.5	179.1	175.2	170.5	188.5	200.1	*188.9*	206.1	216.4	179.5	143.1
150°	138.8	139.7	137.5	136.2	155.9	153.8	*151.2*	155.9	160.2	148.7	130.2
152.5°	108.0	106.2	105.0	105.4	121.7	119.1	*119.1*	122.5	123.0	118.7	109.2
155°	97.3	96.8	96.0	97.7	107.5	105.0	*102.8*	102.0	99.8	98.5	97.3
157.5°	91.3	90.4	90.4	93.0	99.8	95.5	*94.7*	93.8	92.5	92.5	93.0
160°	85.3	84.8	84.8	88.7	90.8	87.0	*86.1*	85.7	85.3	86.1	87.0
162.5°	81.8	81.8	81.8	84.4	84.4	81.8	*81.0*	80.5	81.0	84.0	84.4
165°	80.5	80.1	80.5	81.8	81.4	79.7	*79.3*	79.3	80.5	83.1	83.5
167.5°	82.7	82.7	82.7	83.1	82.7	81.0	*80.5*	80.5	81.8	84.0	84.0
170°	86.1	85.7	85.7	85.7	85.3	83.5	*82.7*	83.1	83.5	84.8	84.8
172.5°	89.1	89.1	88.7	88.3	87.4	86.5	*85.7*	85.7	85.7	86.1	86.1
175°	92.5	92.5	92.5	92.1	92.1	90.8	*90.4*	90.0	89.5	89.1	88.7
177.5°	96.4	96.0	96.0	96.0	96.0	94.7	*93.8*	93.4	92.5	92.1	92.1
180°	94.7	94.7	94.7	94.7	94.7	94.7	*94.7*	94.7	94.7	94.7	94.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
2.5°	39.8	38.6	36.4	32.6	31.3	30.0	28.7	26.1	24.8	24.0
5°	48.8	47.1	46.7	44.6	41.6	39.0	38.6	37.7	37.3	36.0
7.5°	69.8	70.7	72.8	69.0	60.4	55.7	57.0	61.7	60.0	59.6
10°	87.8	93.4	97.7	87.8	72.4	62.5	63.0	72.4	73.3	75.0
12.5°	102.8	107.5	106.7	94.3	79.7	70.3	67.3	72.4	77.1	77.5
15°	119.1	111.0	108.0	97.7	87.4	80.1	78.8	80.1	80.1	79.3
17.5°	126.0	111.8	103.2	94.7	87.4	82.3	80.5	78.4	75.4	75.4
20°	127.7	115.2	105.4	96.4	89.1	83.5	78.8	76.3	75.4	75.4
22.5°	132.8	121.7	111.4	100.7	93.0	85.7	80.1	77.5	77.5	78.0
25°	140.1	129.8	117.0	105.8	97.7	90.0	82.7	78.8	78.4	78.8
27.5°	149.1	138.4	124.2	112.2	102.8	94.3	85.3	80.5	78.8	78.8
30°	159.4	146.9	131.1	117.8	107.5	99.8	88.7	82.3	80.1	79.3
32.5°	177.8	163.7	139.7	125.1	113.5	105.0	93.8	85.7	81.4	80.5
35°	223.2	201.4	170.1	143.5	126.0	111.0	97.7	87.8	82.3	81.4
37.5°	272.5	239.5	209.9	180.4	154.7	130.2	105.0	91.3	84.4	83.1
40°	303.3	260.1	233.9	189.8	186.4	166.2	129.0	100.7	88.7	87.0
42.5°	366.7	302.0	260.5	167.5	182.1	186.4	162.8	126.4	100.3	97.3
45°	441.7	355.2	292.2	179.1	187.6	182.5	166.7	146.5	125.1	119.1
47.5°	572.4	405.3	303.3	207.8	214.6	200.5	176.9	155.9	140.1	138.0
50°	826.0	552.7	341.5	255.3	275.9	236.5	206.1	189.8	168.4	165.8
52.5°	1152.5	665.3	383.4	330.3	377.0	328.2	278.9	245.9	241.2	242.9
55°	1506.3	700.0	438.7	408.3	490.1	444.3	387.7	356.0	387.3	397.1
57.5°	1857.2	752.3	518.8	509.4	613.5	543.7	499.1	512.8	643.1	674.3
60°	2133.5	796.9	586.5	606.6	735.6	659.8	640.9	661.1	884.7	967.8
62.5°	2241.9	776.7	621.6	647.8	793.0	741.2	734.7	754.0	942.5	1024.4
65°	*2250.1*	*745.9*	*635.3*	*658.9*	*802.0*	*746.7*	*729.2*	*712.9*	*844.0*	*895.8*
67.5°	2082.1	684.2	618.6	643.1	762.2	688.9	652.5	615.6	682.9	711.6
70°	1678.6	606.6	566.4	580.5	640.9	573.2	523.5	498.3	522.2	520.1
72.5°	1271.6	534.2	509.0	494.8	523.5	468.7	413.9	389.4	410.9	405.3
75°	971.2	476.8	453.3	406.1	434.0	359.9	299.5	282.8	293.0	289.2
77.5°	700.9	382.2	350.9	299.0	335.0	261.8	200.9	188.9	191.5	183.4
80°	504.7	284.9	254.5	217.6	246.3	187.2	149.1	146.5	147.8	139.2
82.5°	396.3	228.3	208.2	188.5	197.5	169.2	143.5	141.0	142.2	132.8
85°	369.3	223.6	202.6	189.8	192.8	166.7	139.2	138.4	140.5	130.2
87.5°	348.3	221.5	204.8	186.4	179.1	152.9	129.0	132.8	138.8	128.1
90°	307.2	206.5	191.9	175.2	167.5	143.5	129.0	134.5	134.1	126.4
92.5°	270.8	184.2	172.7	163.2	161.5	146.1	135.0	140.1	141.8	134.1
95°	221.9	155.5	149.9	146.9	149.5	134.5	125.1	127.7	126.0	121.7
97.5°	188.9	141.8	138.0	133.7	131.1	120.4	112.2	115.7	117.4	113.5
100°	170.9	135.0	132.0	127.2	126.8	119.5	115.2	122.1	127.2	125.1
102.5°	159.8	128.1	124.2	120.0	118.7	112.7	109.2	113.5	118.2	114.0
105°	151.7	121.7	115.7	111.8	109.7	105.4	101.1	102.8	108.0	105.8
107.5°	143.9	121.2	111.8	108.8	108.8	103.2	97.3	97.7	100.3	99.8
110°	155.9	134.5	117.4	113.1	111.8	110.1	105.8	101.5	98.1	98.1

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

Scaled Data Report

REPORT NUMBER: P981448
CATALOG NUMBER: FFX-CLB-40-750-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	186.8	164.9	147.4	133.7	128.1	121.7	112.7	106.2	101.5	100.3
115°	200.5	176.9	160.2	145.2	132.4	120.0	112.2	107.5	105.0	107.5
117.5°	188.9	156.4	154.2	138.8	126.8	117.0	114.8	107.1	111.4	111.4
120°	212.5	181.7	176.9	154.7	138.0	125.5	124.2	123.0	118.2	116.1
122.5°	310.6	270.3	251.1	218.1	189.4	163.7	149.1	129.0	114.8	111.8
125°	422.0	368.9	322.6	278.9	235.6	189.8	151.2	121.2	106.7	104.5
127.5°	423.3	369.3	318.3	265.2	218.1	170.1	135.8	114.8	104.5	104.1
130°	372.3	325.2	269.0	216.4	178.2	146.5	121.7	104.5	97.3	95.1
132.5°	296.5	254.5	218.5	185.9	156.8	129.8	107.5	95.5	91.3	90.8
135°	249.3	212.9	187.6	163.7	141.0	117.0	96.4	90.4	88.3	87.4
137.5°	203.5	181.7	166.2	146.9	125.1	105.4	91.7	89.1	88.3	86.5
140°	176.5	161.9	145.2	123.8	107.1	90.8	83.5	85.7	87.8	87.4
142.5°	143.9	133.2	120.8	106.7	95.1	87.8	84.8	86.1	86.1	86.5
145°	136.7	122.5	115.7	107.1	99.4	93.8	86.5	84.0	83.5	83.5
147.5°	126.8	121.2	117.0	111.0	99.4	89.1	81.0	79.7	81.4	81.0
150°	118.7	114.8	109.7	100.3	88.7	81.8	77.5	78.0	81.0	81.4
152.5°	100.7	98.5	95.1	89.1	81.0	77.5	75.4	77.1	79.3	79.7
155°	89.5	88.3	87.4	83.5	78.4	76.3	75.4	76.7	78.8	79.3
157.5°	88.7	85.7	84.4	81.8	78.0	75.8	75.8	77.1	78.4	78.8
160°	86.1	82.3	81.8	79.3	78.4	77.1	78.0	78.4	79.7	79.3
162.5°	84.0	81.4	81.0	79.3	80.1	81.4	81.4	81.8	82.7	82.3
165°	83.1	81.0	80.5	80.5	83.1	85.3	85.7	85.3	85.3	85.3
167.5°	84.0	82.7	82.3	83.1	85.3	87.8	88.3	87.4	86.5	86.1
170°	85.3	84.8	85.3	85.7	87.0	88.7	88.7	87.8	87.8	87.8
172.5°	86.5	87.4	87.8	87.8	89.1	90.0	90.4	90.0	90.0	90.0
175°	89.1	89.5	89.5	90.0	91.3	92.1	93.0	93.0	93.0	93.0
177.5°	92.1	92.1	92.1	92.5	93.0	94.3	94.7	95.5	96.0	96.0
180°	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

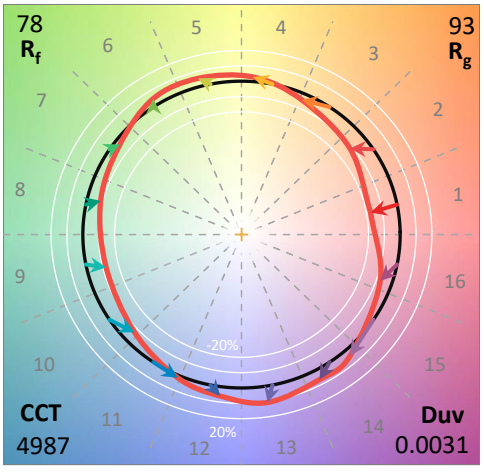
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

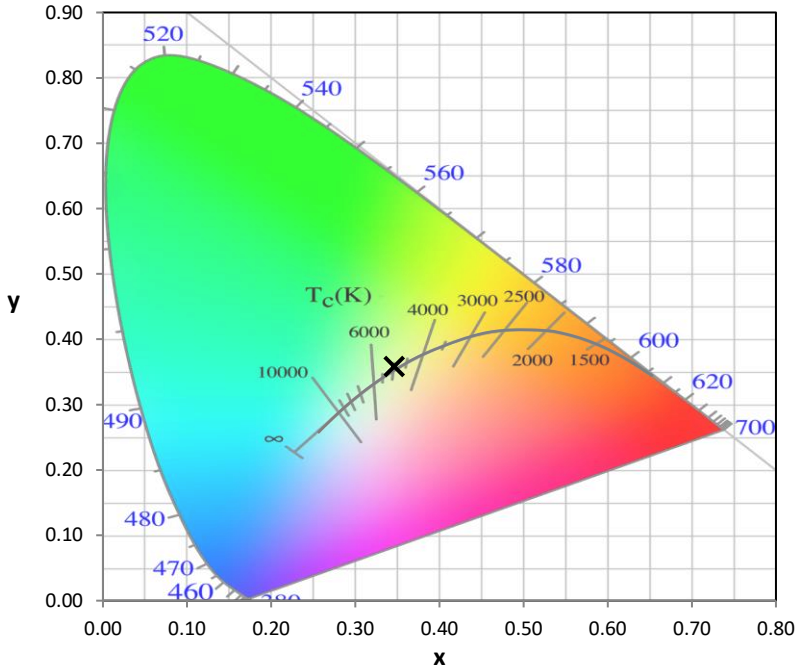
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

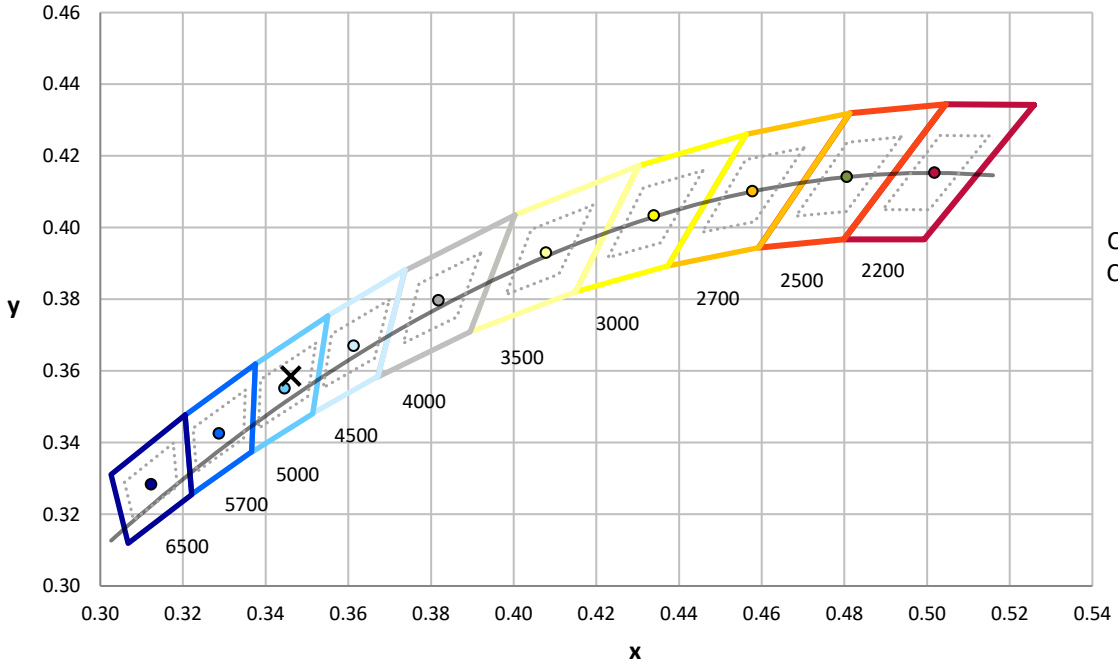
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

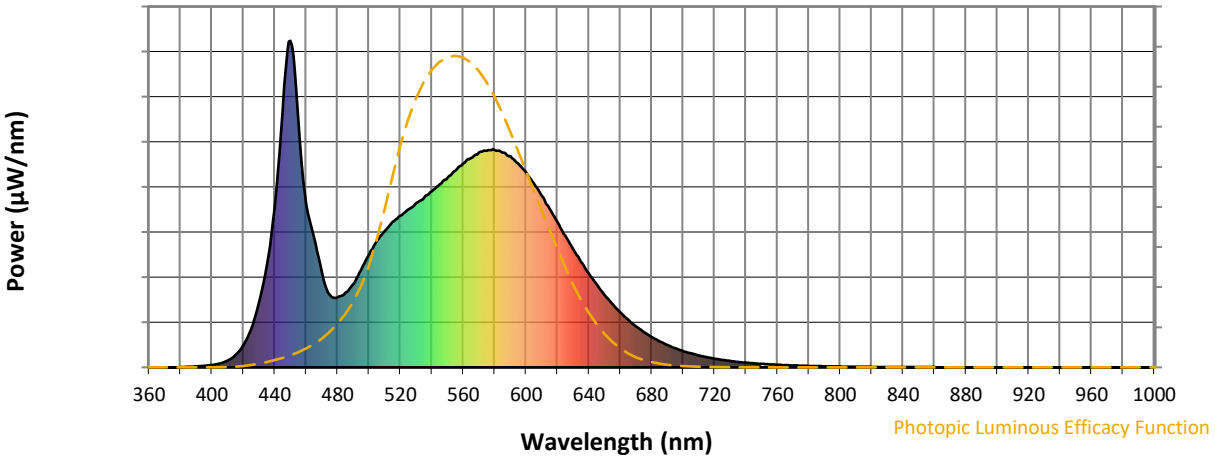


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

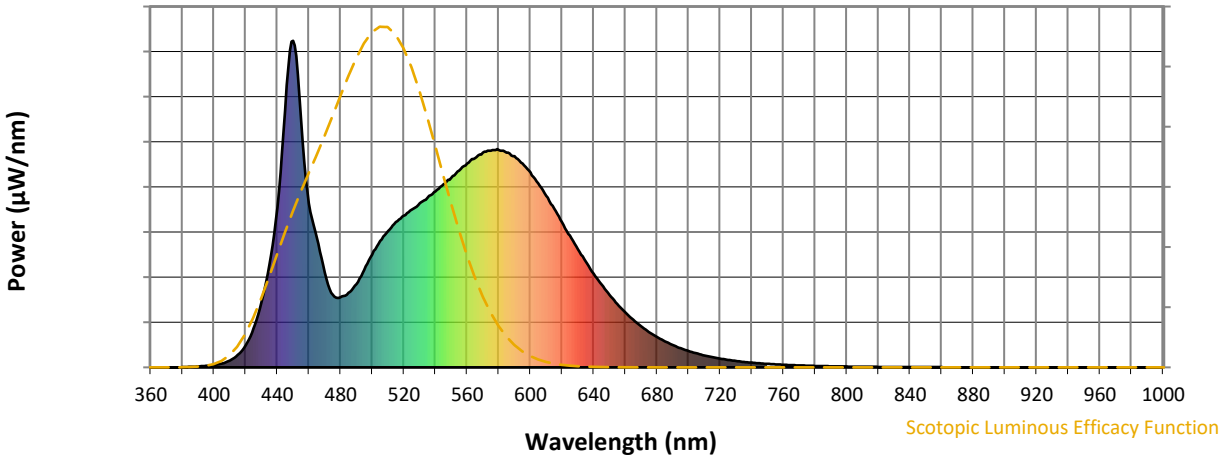


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

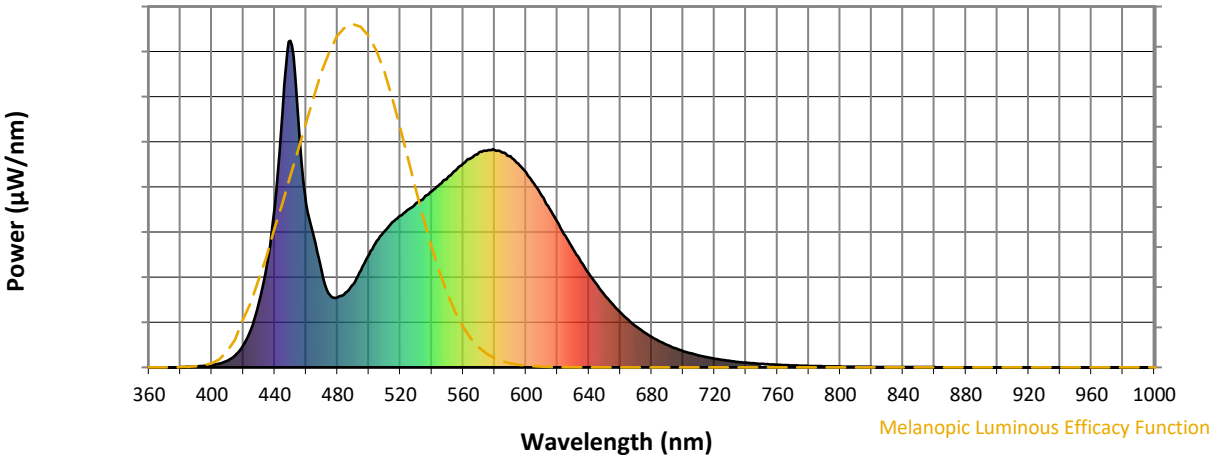


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

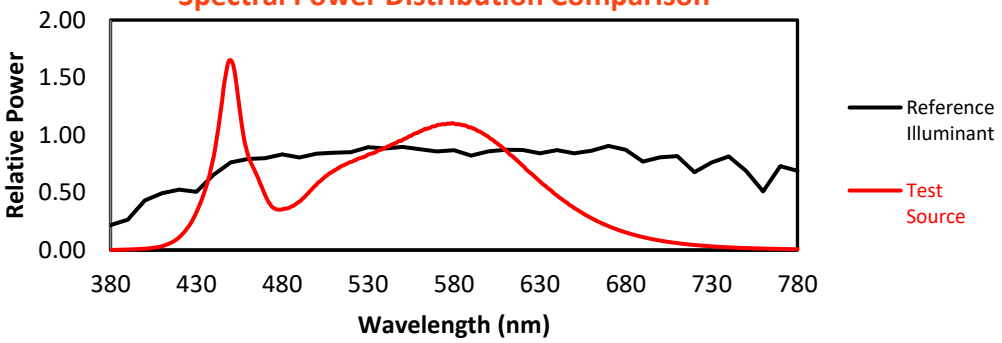
REPORT NUMBER: SP1-2501-332-5

TM-30-18

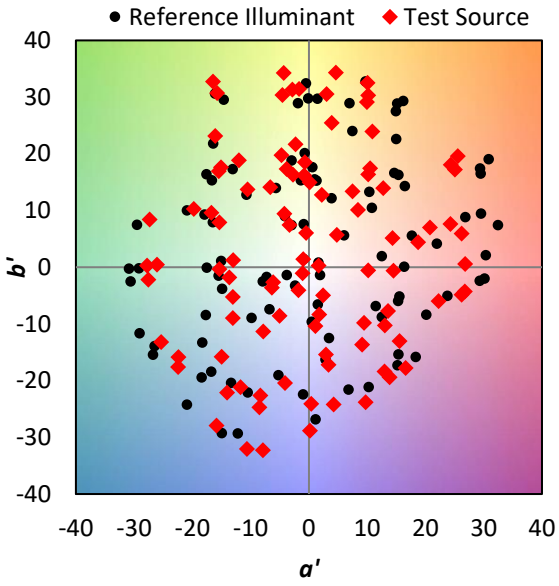
Summary

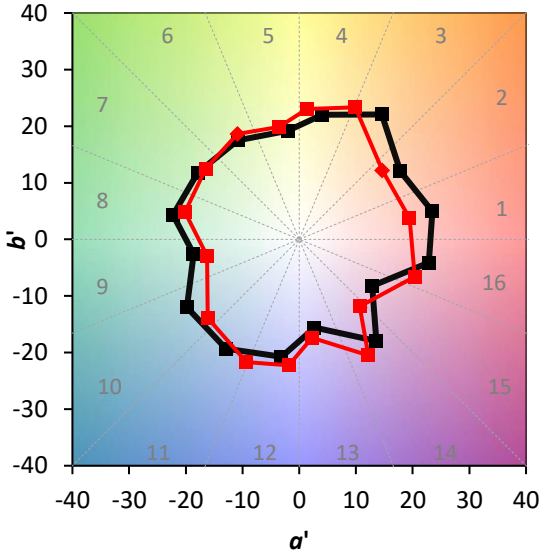
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

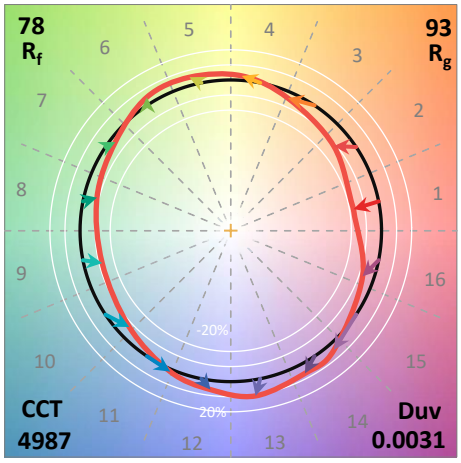
Spectral Power Distribution Comparison

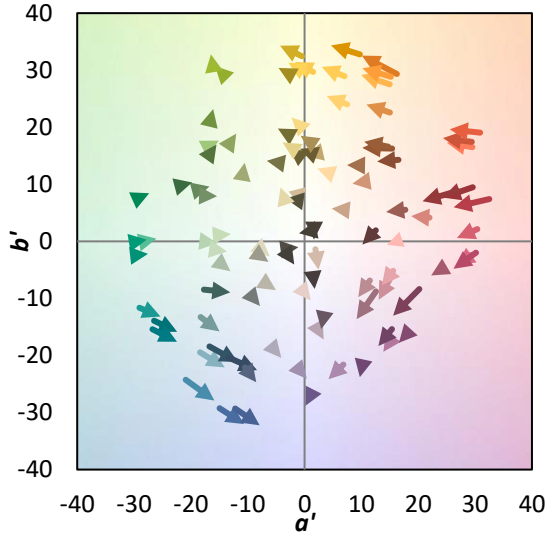


Color Vector Graphics







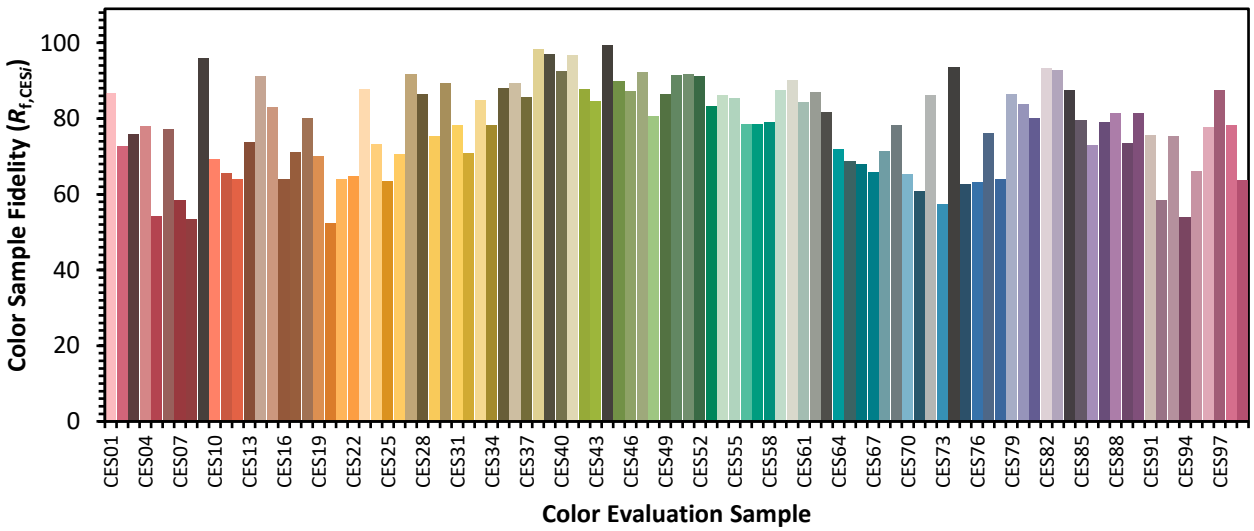


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

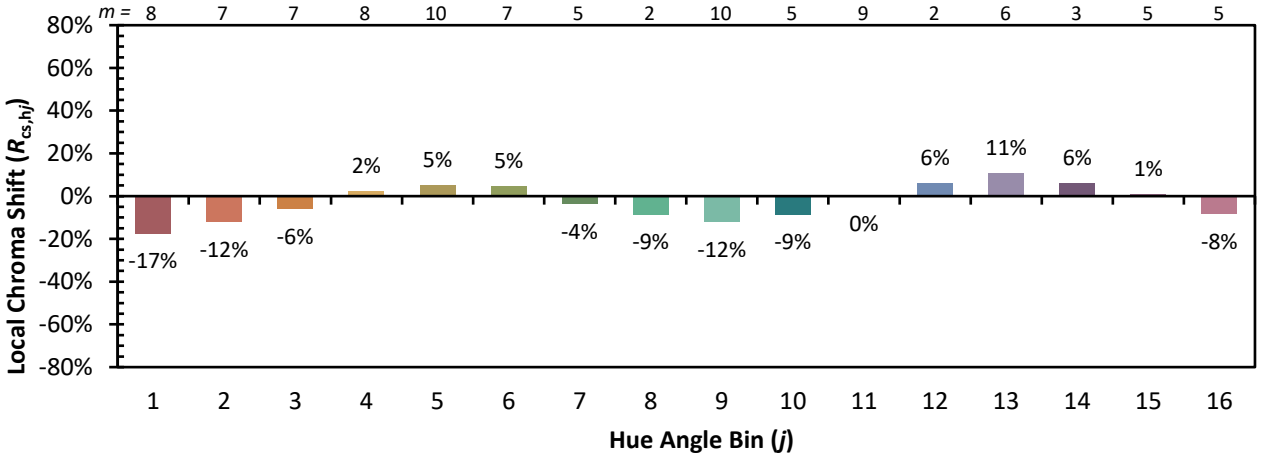
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

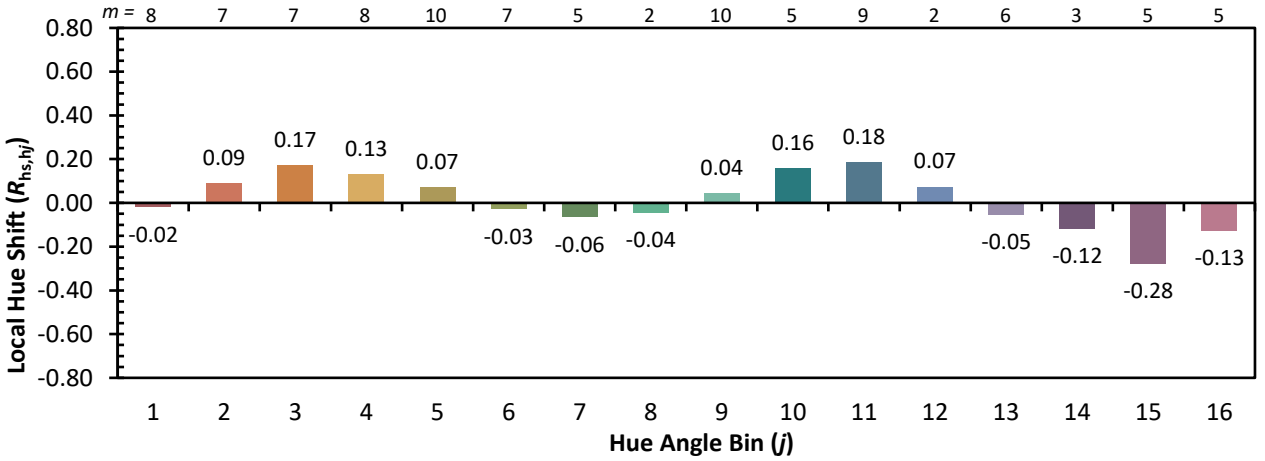


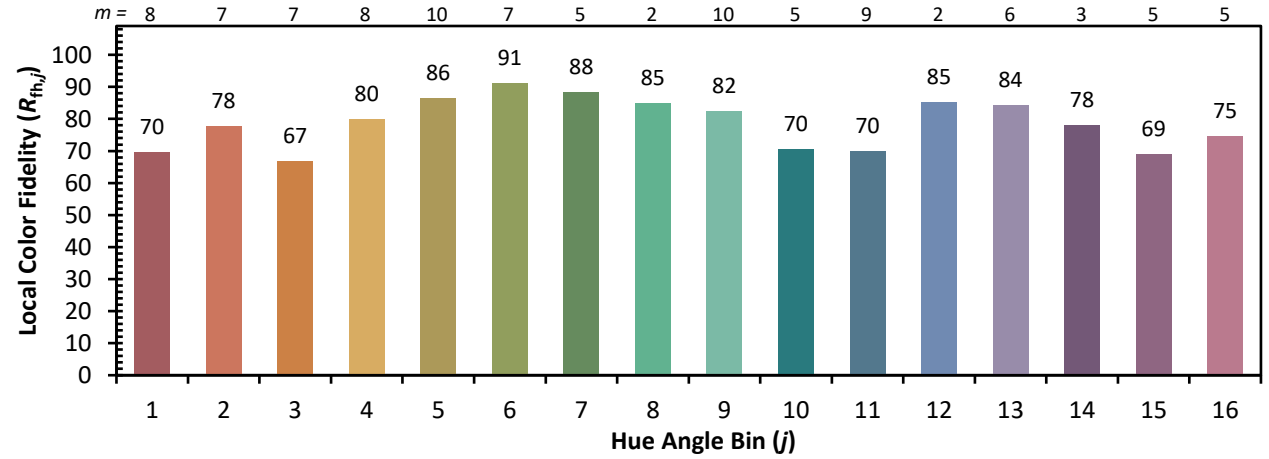
REPORT NUMBER: SP1-2501-332-5

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Color Rendition by Hue-Angle Bin



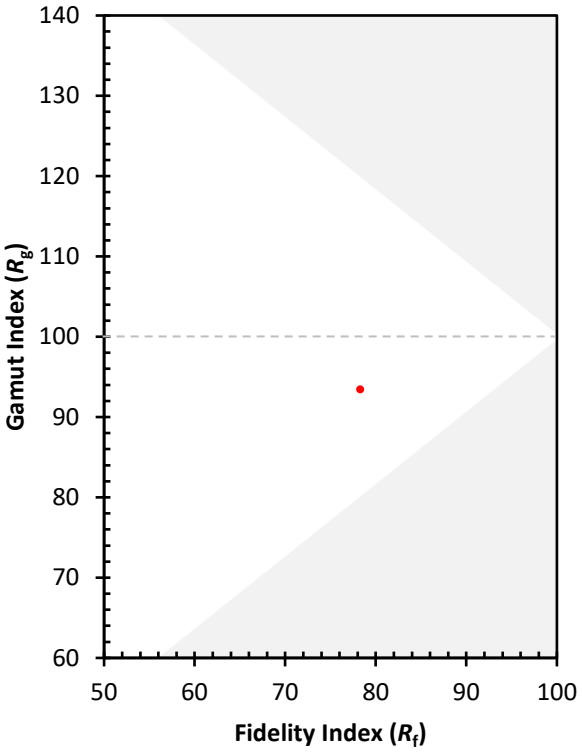


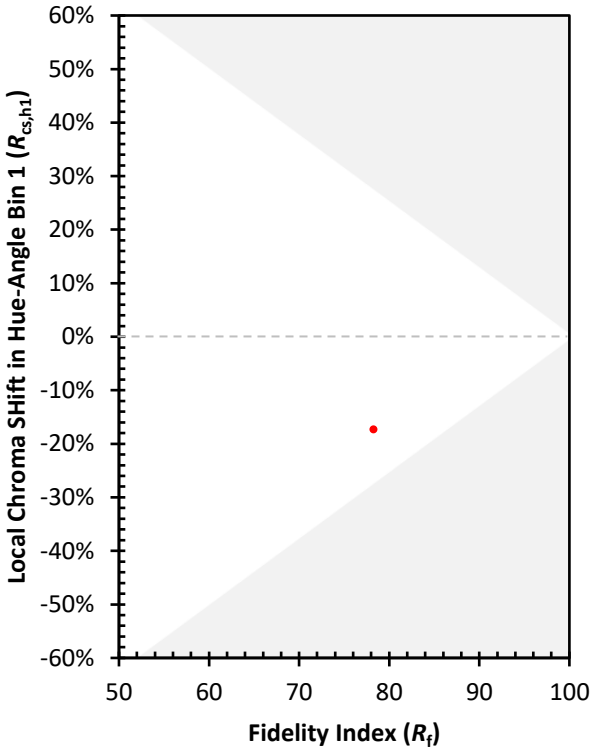


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Measure Comparisons





(END OF REPORT)