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: P1046630

Luminaire Tested: **FFX-CLB-30-750-U-FR-T3-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:	P1046630
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-750-U-FR-T3-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4551.8 lumens
Efficiency:	N/A
Efficacy:	148.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U3 - 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

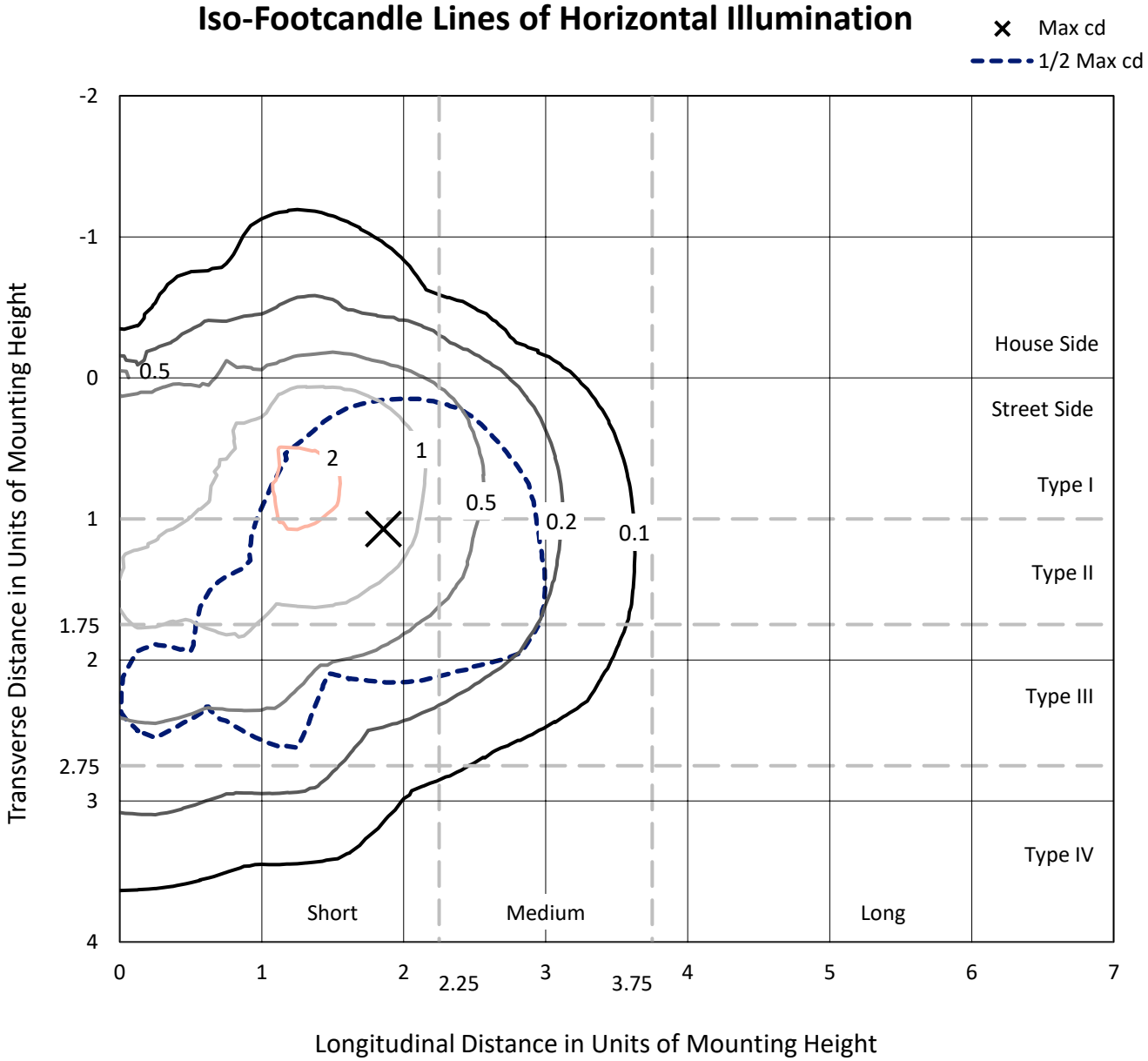


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Iso-Footcandle Lines of Horizontal Illumination



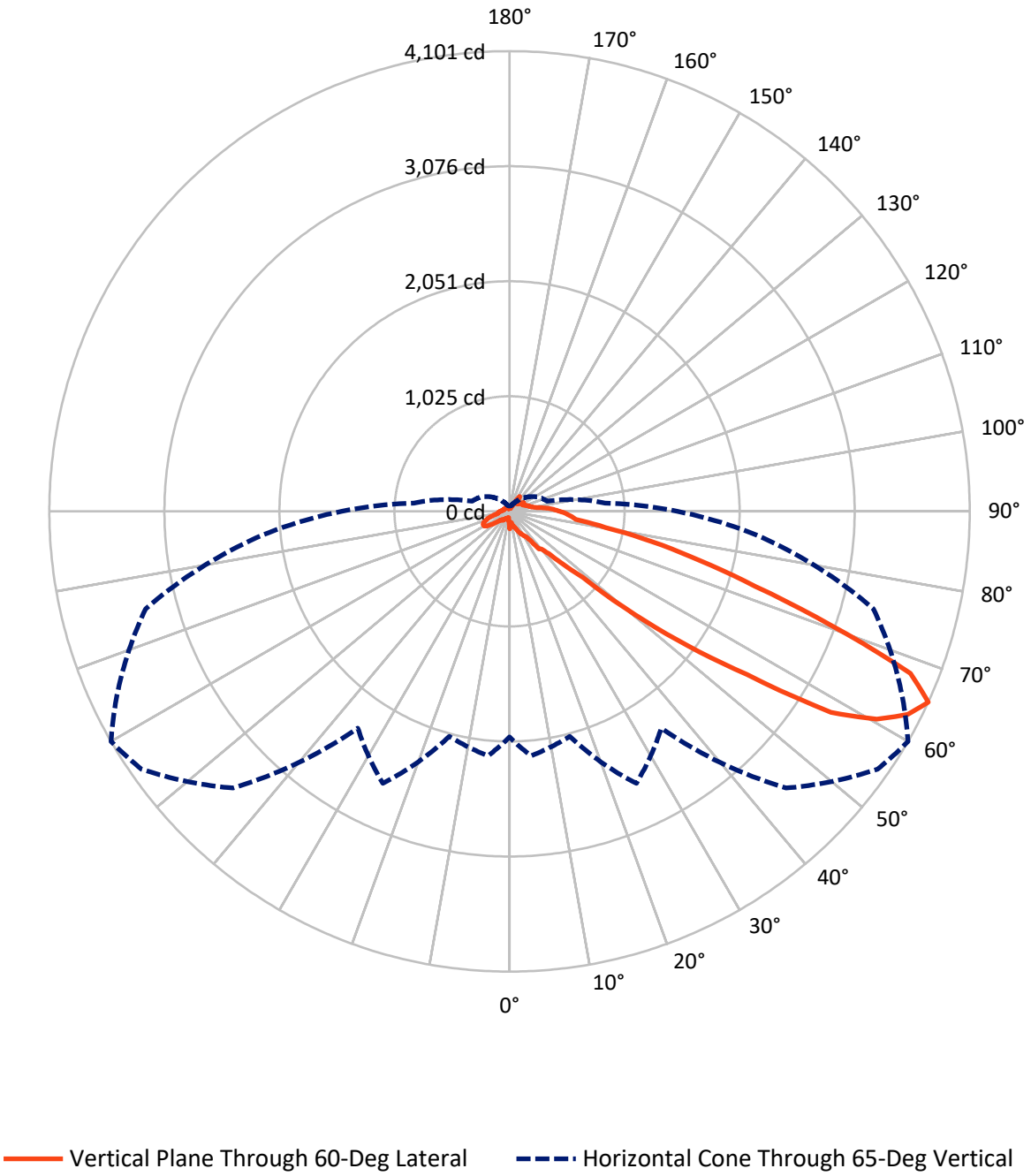
Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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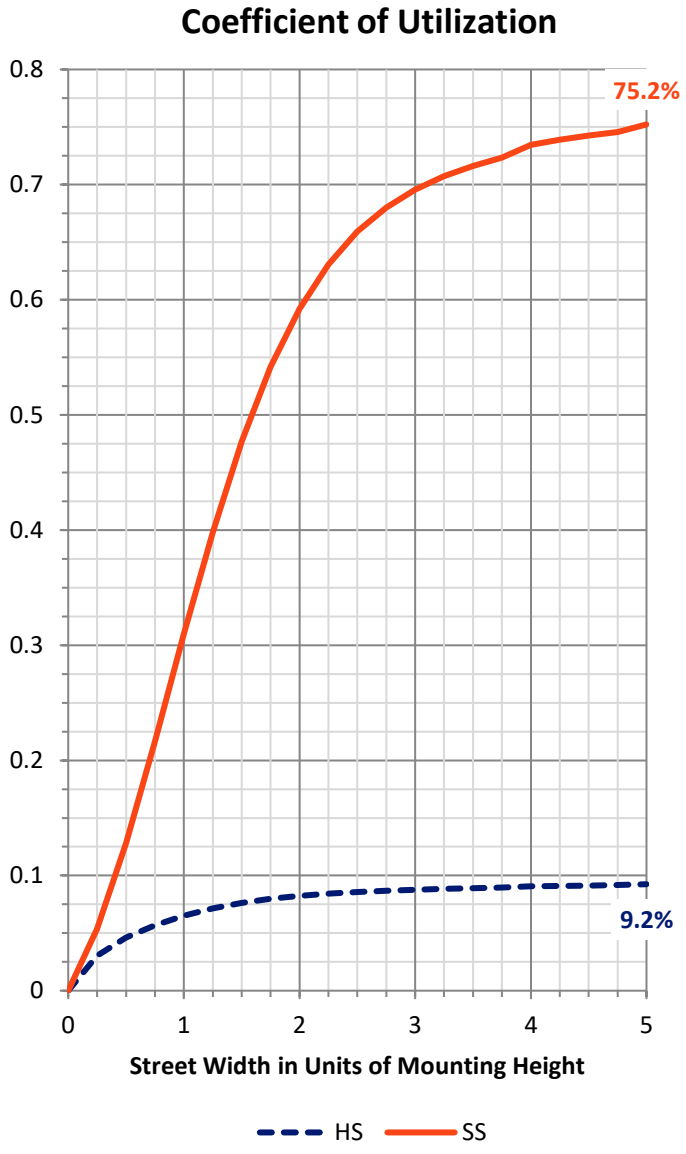
REPORT NUMBER: P1046630
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	441.3	142.4	583.8
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	3547.0	421.0	3968.0
	% Fixture	77.9	9.2	87.2
Total	Lumens	3988.3	563.5	4551.8
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.2
10°-20°	29.1	0.6
20°-30°	62.3	1.4
30°-40°	127.8	2.8
40°-50°	299.5	6.6
50°-60°	937.0	20.6
60°-70°	1467.1	32.2
70°-80°	776.1	17.1
80°-90°	281.0	6.2
90°-100°	169.5	3.7
100°-110°	106.2	2.3
110°-120°	85.8	1.9
120°-130°	71.6	1.6
130°-140°	52.1	1.1
140°-150°	47.9	1.1
150°-160°	19.9	0.4
160°-170°	8.0	0.2
170°-180°	2.6	0.1
0°-90°	3988.3	87.6
0°-180°	4551.8	100.0



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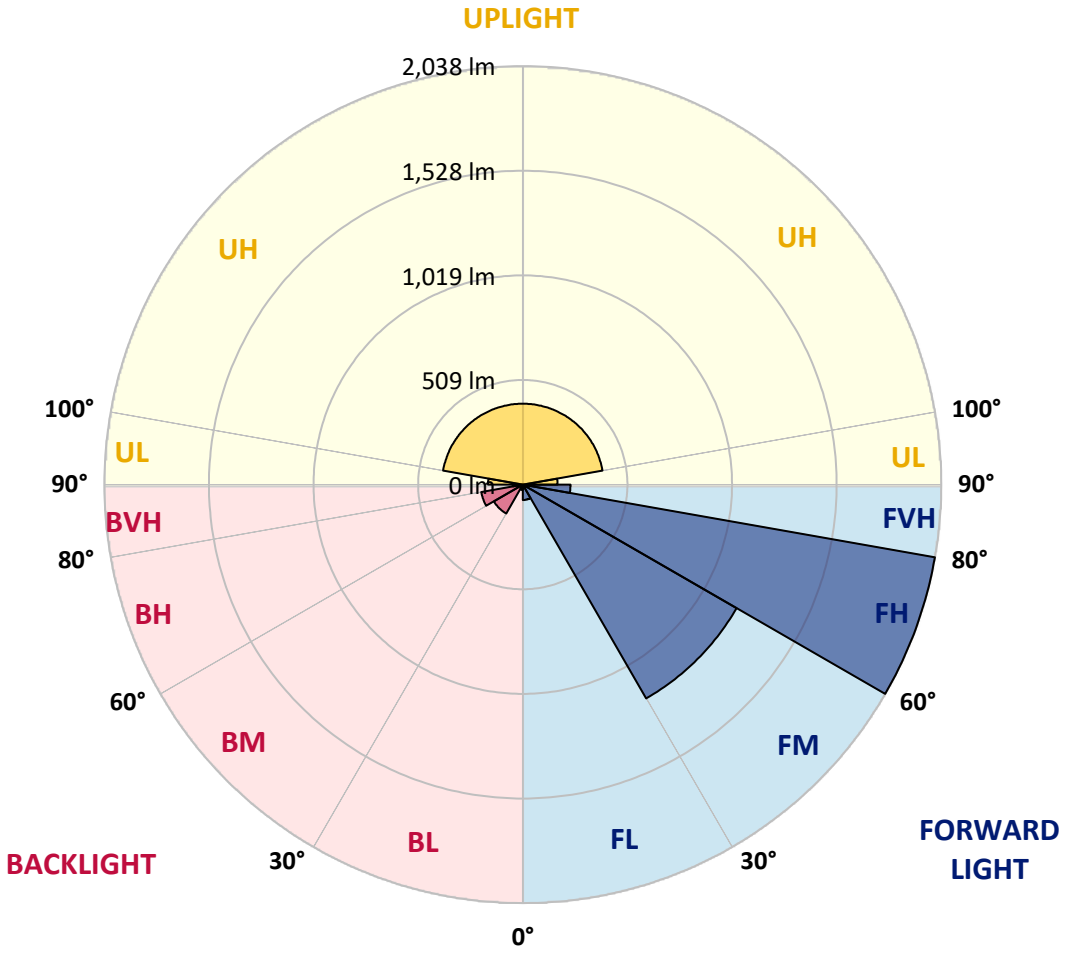
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	75.0	1.6			
FM	(30°-60°)	1202.0	26.4			
FH	(60°-80°)	2037.7	44.8			G2/5000
FVH	(80°-90°)	232.2	5.1			G3/500
BL	(0°-30°)	24.8	0.5	B0/110		
BM	(30°-60°)	162.3	3.6	B0/220		
BH	(60°-80°)	205.4	4.5	B1/500		G1/500
BVH	(80°-90°)	48.8	1.1			G1/100
UL	(90°-100°)	169.5	3.7		U3/500	
UH	(100°-180°)	394.0	8.7		U3/500	

BUG Rating: B1-U3-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8
2.5°	85.2	88.6	107.9	127.8	133.5	121.2	104.9	106.9	115.9	158.8	177.8
5°	99.9	100.9	99.2	101.5	115.5	133.2	122.8	110.9	94.9	68.6	67.9
7.5°	114.9	114.9	114.2	105.9	96.2	93.2	102.2	103.9	102.2	85.2	73.6
10°	125.2	125.2	124.8	125.5	126.2	122.8	108.2	102.5	96.5	89.2	85.9
12.5°	151.8	152.5	156.8	154.5	145.8	136.8	138.5	136.8	127.8	112.2	99.2
15°	185.8	187.1	187.8	179.1	165.1	148.5	137.8	135.2	133.5	124.5	111.5
17.5°	203.4	202.7	194.8	185.8	176.8	164.8	154.8	150.8	144.8	133.5	119.5
20°	201.4	201.4	193.4	191.4	192.1	184.8	172.1	167.1	160.5	149.8	130.5
22.5°	207.1	207.4	202.4	204.1	211.4	204.1	191.8	188.4	182.1	166.8	147.1
25°	228.7	228.7	223.0	220.7	227.0	224.4	217.4	213.4	204.4	185.8	151.1
27.5°	248.3	247.0	241.7	242.4	236.4	235.0	233.4	231.7	223.7	194.1	153.1
30°	263.7	263.7	259.0	262.0	249.3	251.3	245.4	250.0	239.7	205.4	160.8
32.5°	277.6	279.6	278.0	282.0	267.0	275.6	265.3	270.3	264.0	225.7	182.4
35°	309.9	312.3	319.9	329.9	311.6	320.6	304.3	311.3	304.9	271.7	224.0
37.5°	438.1	434.4	417.8	401.5	383.8	420.8	416.8	423.5	413.5	359.9	283.0
40°	440.8	438.8	435.4	425.1	391.8	428.5	430.1	442.1	472.1	386.2	305.9
42.5°	452.1	454.4	494.0	499.0	474.1	531.0	515.3	516.0	618.5	457.4	394.8
45°	523.0	523.0	535.6	542.0	534.7	698.1	695.8	675.8	805.0	570.6	464.4
47.5°	599.6	601.9	625.2	687.8	728.7	883.5	929.5	881.5	1051.0	748.7	639.8
50°	823.6	828.3	900.8	955.8	1032.7	1293.3	1519.4	1446.5	1712.5	1142.2	964.1
52.5°	985.7	1043.7	1083.6	1290.4	1320.3	1720.8	2012.4	1987.5	2165.9	1581.0	1170.2
55°	1173.2	1263.4	1290.0	1610.6	1664.2	2220.5	2523.1	2567.4	2578.4	2043.7	1375.6
57.5°	1481.8	1621.6	1626.6	1965.5	1974.8	2799.1	3280.8	3378.4	3267.2	2582.4	1699.5
60°	1736.1	1899.9	1845.0	2306.4	2213.8	3267.2	3649.3	3759.9	3553.5	3042.8	1925.9
62.5°	1893.6	2051.7	1979.5	2546.1	2357.7	3467.9	3869.4	3982.9	3755.9	3287.5	2100.0
65°	2011.1	2186.5	2075.3	2673.9	2357.3	3485.9	4005.2	4101.1	3858.1	3357.7	2151.3
67.5°	2013.4	2170.9	2032.1	2628.3	2200.5	3201.2	3793.2	3853.7	3584.1	3108.4	1998.8
70°	1760.1	1873.3	1719.1	2218.2	1775.1	2429.6	2962.2	3034.1	2762.8	2389.6	1548.7
72.5°	1472.8	1517.1	1364.3	1774.1	1390.2	1838.7	2264.4	2291.4	2147.9	1790.0	1197.1
75°	1156.5	1139.5	1060.3	1322.6	1057.0	1302.7	1778.4	1752.4	1673.5	1317.3	913.5
77.5°	771.7	740.1	744.0	907.5	738.4	861.9	1295.0	1296.0	1268.4	976.8	651.5
80°	470.7	471.7	458.7	575.6	487.4	572.9	892.5	863.2	863.9	644.2	456.1
82.5°	368.2	374.2	357.9	414.8	383.8	455.8	583.3	599.6	581.9	473.1	335.9
85°	361.5	366.9	349.9	385.2	364.9	435.4	548.6	547.3	538.0	438.8	317.6
87.5°	331.2	337.6	324.9	349.6	333.9	403.2	505.0	498.4	489.4	412.8	302.9
90°	279.6	291.3	282.6	313.3	291.6	346.9	439.1	436.4	431.8	364.9	269.7
92.5°	254.3	256.7	250.3	278.0	254.0	303.9	389.8	381.5	371.2	316.6	229.7
95°	227.7	226.7	220.7	243.0	221.7	254.3	331.2	318.6	313.3	267.3	191.8
97.5°	182.4	182.8	179.8	195.1	179.8	203.1	248.7	244.0	233.4	199.7	146.8
100°	159.8	160.8	158.8	170.8	157.8	172.8	207.1	206.1	197.4	170.4	128.2
102.5°	151.1	151.5	154.1	161.5	149.1	160.1	188.8	189.1	183.4	158.8	120.5
105°	145.1	144.8	146.8	152.8	142.2	150.1	176.4	176.4	168.5	149.8	114.2
107.5°	140.5	139.8	143.2	148.1	140.8	143.2	163.5	164.8	157.1	139.5	108.5
110°	135.2	134.8	140.5	144.1	137.2	137.5	155.1	154.1	147.1	135.8	106.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	137.2	139.2	145.5	135.2	124.8	125.5	139.2	*140.8*	135.8	124.2	101.5
115°	135.5	137.5	145.8	131.2	115.9	119.8	131.2	*132.5*	125.2	115.5	95.5
117.5°	129.5	130.2	135.2	131.5	115.5	120.2	125.8	*128.2*	122.8	115.5	96.5
120°	153.1	148.1	148.1	142.5	124.5	132.8	143.5	*145.5*	140.5	126.8	96.2
122.5°	140.8	139.2	139.5	132.2	123.2	130.2	142.8	*146.1*	141.8	128.2	96.2
125°	110.9	111.2	109.5	111.9	108.2	110.5	117.2	*122.5*	118.5	111.2	91.5
127.5°	100.9	100.5	98.5	108.5	97.2	101.9	108.2	*111.2*	107.2	98.9	82.9
130°	98.2	98.2	103.9	114.2	107.5	105.5	103.2	*106.2*	105.5	100.2	82.9
132.5°	91.9	92.2	100.5	113.9	111.2	101.9	93.5	*95.2*	98.2	99.5	87.6
135°	91.9	90.9	88.2	91.2	89.6	91.9	89.6	*91.9*	92.5	91.9	76.6
137.5°	97.9	97.2	90.6	86.6	86.9	94.2	94.5	*95.5*	94.5	89.2	74.2
140°	95.9	93.5	88.9	87.2	87.6	95.2	98.2	*98.9*	97.9	87.6	69.9
142.5°	92.5	92.5	93.9	95.9	98.9	134.5	125.2	*133.8*	134.2	123.5	71.9
145°	132.8	134.2	130.2	125.8	136.5	161.8	152.1	*161.5*	167.8	156.1	99.2
147.5°	119.8	121.8	119.5	115.9	129.8	130.2	124.2	*125.2*	126.8	129.5	100.2
150°	84.9	82.6	86.2	83.6	97.5	96.9	88.6	*90.6*	94.2	94.5	79.9
152.5°	62.9	61.9	61.3	60.9	70.2	64.6	61.6	*60.6*	61.3	60.9	57.3
155°	55.6	55.6	55.3	56.9	61.9	57.9	54.9	*55.3*	53.6	52.6	50.6
157.5°	43.3	42.3	43.3	46.3	48.3	44.6	43.6	*42.9*	42.6	40.9	41.6
160°	35.6	35.6	36.3	38.6	39.9	37.3	35.3	*34.6*	34.6	34.0	36.3
162.5°	30.3	30.3	31.0	31.6	32.3	31.0	30.3	*30.3*	30.0	30.0	32.3
165°	25.3	25.3	25.6	27.0	27.3	26.6	26.3	*26.6*	26.6	28.0	30.0
167.5°	23.3	23.3	23.6	24.3	24.6	24.3	25.3	*26.3*	27.3	28.6	29.3
170°	22.3	22.3	22.6	23.0	23.6	24.3	26.3	*27.0*	27.3	27.0	27.0
172.5°	23.0	23.0	23.0	23.6	24.3	26.0	27.6	*27.6*	27.0	26.3	26.3
175°	23.3	23.0	23.3	24.0	25.0	26.0	26.6	*27.3*	27.3	27.0	27.0
177.5°	23.0	23.0	23.3	23.6	23.6	23.6	24.0	*24.3*	24.3	24.6	25.0
180°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	*22.6*	22.6	22.6	22.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8
2.5°	174.1	164.5	121.8	80.9	99.2	144.8	168.8	158.1	117.8	67.9	57.6
5°	71.2	79.9	93.2	89.2	80.2	65.9	49.6	49.3	68.2	82.9	84.2
7.5°	68.6	62.9	59.6	65.9	61.6	42.6	36.0	30.0	32.0	46.9	44.9
10°	84.6	82.6	76.9	62.9	46.3	38.3	36.0	36.6	39.3	35.3	35.0
12.5°	94.2	89.2	76.9	72.9	61.9	43.9	36.3	33.6	36.0	44.9	48.6
15°	103.2	95.9	80.6	67.6	55.6	45.6	39.0	34.0	30.3	26.3	26.0
17.5°	111.2	101.9	84.9	70.2	55.3	45.6	37.6	29.6	25.6	24.3	24.3
20°	120.8	112.2	90.6	73.2	55.6	44.6	36.3	29.3	25.6	24.3	24.3
22.5°	133.8	119.5	96.5	74.6	56.3	44.3	35.6	30.0	26.6	24.6	24.6
25°	137.5	126.5	100.5	78.9	58.9	45.9	37.3	31.0	27.3	25.6	25.3
27.5°	140.2	131.8	108.2	82.6	61.9	49.3	39.9	32.3	28.0	26.3	26.0
30°	150.5	143.2	116.5	87.9	65.9	52.6	42.3	34.3	29.3	26.6	26.0
32.5°	172.4	162.1	128.8	93.2	70.9	56.3	45.3	36.3	30.6	27.3	26.6
35°	214.4	206.1	161.5	104.2	76.2	60.9	48.9	39.0	32.3	28.3	28.0
37.5°	263.0	250.0	196.1	121.2	79.9	64.9	52.6	41.6	34.0	30.0	29.3
40°	271.3	234.4	173.8	110.5	80.6	66.9	55.9	44.6	36.0	31.3	30.3
42.5°	340.2	287.6	201.4	114.2	82.2	66.9	56.6	46.6	38.0	32.3	31.6
45°	359.9	286.6	200.4	127.5	90.2	68.9	56.9	47.6	39.6	34.0	33.0
47.5°	458.7	351.6	203.4	135.5	98.5	75.9	59.3	48.3	39.9	35.0	34.6
50°	655.8	470.1	244.7	163.5	118.2	88.6	66.6	50.6	40.6	36.0	35.6
52.5°	810.0	558.3	262.7	195.7	150.5	112.5	79.6	56.6	41.9	36.3	35.6
55°	962.8	665.8	296.0	231.0	179.1	135.5	98.9	66.2	45.3	37.0	36.3
57.5°	1195.8	799.3	337.2	265.7	212.4	157.1	110.5	74.9	49.3	37.6	36.6
60°	1337.3	846.6	341.6	283.3	231.4	172.4	114.5	78.2	54.3	40.3	38.6
62.5°	1464.5	889.2	344.6	291.3	234.7	174.1	114.9	75.6	55.3	44.3	42.3
65°	*1497.4*	*854.6*	*347.6*	*294.0*	*228.7*	*164.5*	*110.5*	*72.9*	*52.6*	*47.9*	*47.6*
67.5°	1422.8	766.4	326.9	284.0	212.7	147.8	99.5	69.2	51.3	46.6	47.6
70°	1108.6	608.6	299.6	261.7	183.8	124.8	88.6	64.6	50.6	44.3	43.3
72.5°	873.6	517.7	302.6	249.3	155.1	110.5	78.2	58.9	47.9	43.3	42.6
75°	680.5	433.8	291.3	214.7	125.8	94.2	68.6	52.6	44.6	41.6	41.3
77.5°	499.0	344.2	240.4	165.5	103.9	78.6	59.9	48.3	42.3	39.6	39.3
80°	327.2	243.4	167.5	132.2	89.6	70.9	54.6	45.3	40.6	38.3	38.0
82.5°	278.3	216.1	148.8	121.5	82.9	68.2	53.6	44.3	40.3	37.6	37.3
85°	268.3	221.4	152.1	125.8	78.9	65.2	51.9	43.6	39.3	37.0	36.6
87.5°	252.0	200.4	147.1	112.9	72.9	59.6	48.6	41.9	37.6	35.6	35.0
90°	224.4	171.4	126.5	96.9	69.2	55.9	45.9	39.9	36.6	34.6	34.0
92.5°	181.1	130.2	99.5	85.6	67.6	55.6	45.6	39.9	36.6	34.6	34.0
95°	152.1	111.5	89.2	78.2	62.9	52.6	43.6	38.6	35.6	33.6	33.6
97.5°	120.5	93.2	79.6	70.2	56.6	47.9	41.3	37.0	34.3	32.3	32.3
100°	106.9	86.6	75.6	65.9	53.6	45.3	40.3	36.0	33.6	31.3	31.3
102.5°	101.5	83.9	74.6	62.6	51.3	43.6	38.6	34.6	32.6	30.3	30.3
105°	98.2	82.9	73.9	60.9	48.9	41.6	37.0	33.0	31.3	29.6	29.3
107.5°	94.9	81.6	74.9	59.9	46.9	40.3	37.0	32.6	30.6	29.3	29.3
110°	93.2	82.2	74.6	58.9	46.3	39.9	36.6	33.0	31.3	30.0	29.6

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

Scaled Data Report

REPORT NUMBER: P1046630
CATALOG NUMBER: FFX-CLB-30-750-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	88.9	78.6	71.2	55.9	45.3	39.0	35.3	32.6	30.3	29.0	28.6
115°	84.6	72.2	65.2	53.3	42.9	37.6	34.3	31.6	29.3	28.3	28.3
117.5°	86.2	70.6	59.9	52.3	42.3	36.6	33.6	31.0	29.0	28.3	28.0
120°	85.2	74.2	67.2	55.9	41.9	35.6	33.0	30.3	28.6	28.3	28.3
122.5°	81.6	80.2	73.9	56.9	40.6	36.0	33.6	31.3	29.6	28.6	28.6
125°	78.6	77.9	68.9	51.3	41.6	37.3	35.3	33.0	32.0	31.0	30.6
127.5°	72.6	65.2	57.3	49.3	42.3	38.0	36.0	34.6	33.6	32.0	31.6
130°	72.9	66.9	58.9	49.6	40.6	37.3	36.3	35.0	33.3	30.6	30.3
132.5°	79.2	72.9	58.6	45.9	39.0	37.3	36.6	35.0	31.3	28.3	28.0
135°	65.9	61.6	51.9	43.9	39.6	38.6	38.3	34.6	29.3	27.3	27.0
137.5°	64.3	57.9	49.9	44.3	41.3	39.3	38.0	33.3	27.3	25.3	24.6
140°	60.6	54.6	48.9	44.9	39.9	33.3	30.3	28.0	25.3	23.6	23.3
142.5°	60.6	54.9	46.3	39.6	34.6	31.0	29.3	27.3	24.3	22.0	21.3
145°	71.6	64.9	55.9	50.3	44.9	39.3	33.6	27.6	22.6	19.6	19.3
147.5°	81.2	73.2	66.2	56.9	48.3	39.0	31.0	24.3	20.6	19.3	19.3
150°	66.6	59.3	55.6	47.6	39.9	32.0	26.3	22.6	20.6	20.0	20.0
152.5°	49.9	41.9	39.3	35.0	30.3	26.3	23.6	21.6	21.0	20.6	20.6
155°	46.6	39.9	36.6	32.6	28.0	24.6	23.0	22.0	21.3	21.0	21.0
157.5°	40.6	37.0	32.6	29.6	26.3	24.0	23.0	22.3	21.6	21.3	21.3
160°	36.3	33.6	29.6	27.3	25.0	24.0	24.0	23.6	22.6	22.3	22.3
162.5°	32.6	31.6	28.0	26.0	25.0	25.3	27.0	26.6	25.0	23.6	23.3
165°	30.3	29.3	26.6	25.6	25.0	26.3	29.6	29.0	26.3	24.6	24.6
167.5°	29.0	28.3	26.3	25.3	25.6	28.3	31.3	31.6	29.3	27.0	26.6
170°	26.6	26.6	26.3	26.6	26.6	28.0	29.6	30.6	30.6	31.3	31.0
172.5°	26.3	26.6	27.6	27.6	27.3	27.6	29.0	30.6	31.6	32.6	33.0
175°	27.0	27.3	28.0	28.3	28.3	29.0	31.0	32.3	33.0	32.6	32.6
177.5°	25.0	25.3	25.6	27.0	27.6	28.3	30.3	31.0	31.6	32.3	32.3
180°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6

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: SP1-2501-332-10

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-750-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-750-U-FR-T5-UPLR-P-HSS

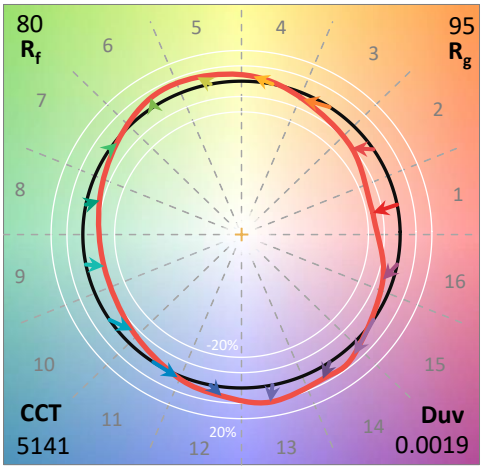
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-10
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-20-750-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):	5141	CRI (Ra):	78.0		
CIE u':	0.2087	R1:	75.1	R9:	-20.0
CIE v':	0.4845	R2:	83.7	R10:	62.4
Duv:	0.0019	R3:	90.5	R11:	77.7
CIE x:	0.3415	R4:	78.3	R12:	58.6
CIE y:	0.3524	R5:	77.1	R13:	76.9
CIE z:	0.3060	R6:	78.0	R14:	95.0
Peak Wavelength (nm):	448	R7:	82.9	R15:	67.8
Dominant Wavelength (nm):	568	R8:	58.7		
Purity:	8.219556				
Rf:	79.6				
Rg:	95.3				



Test Conditions

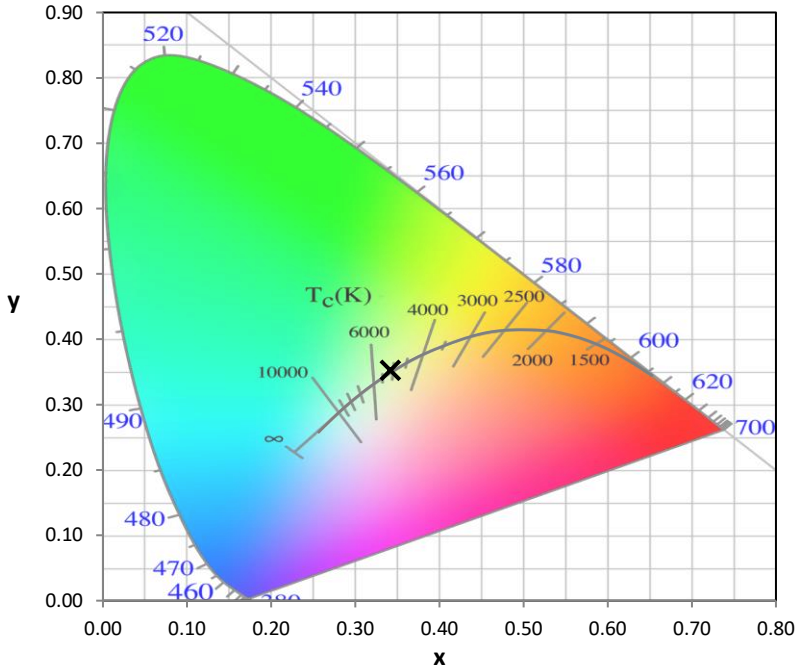
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-10

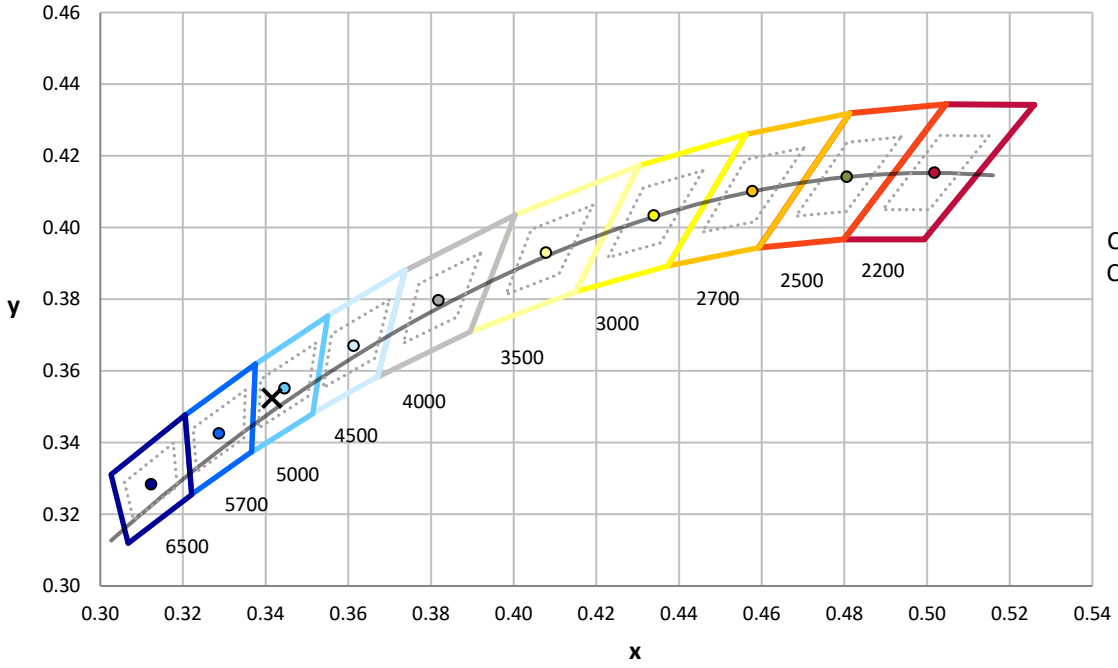
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-10

CIE 1931 Chromaticity Diagram



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

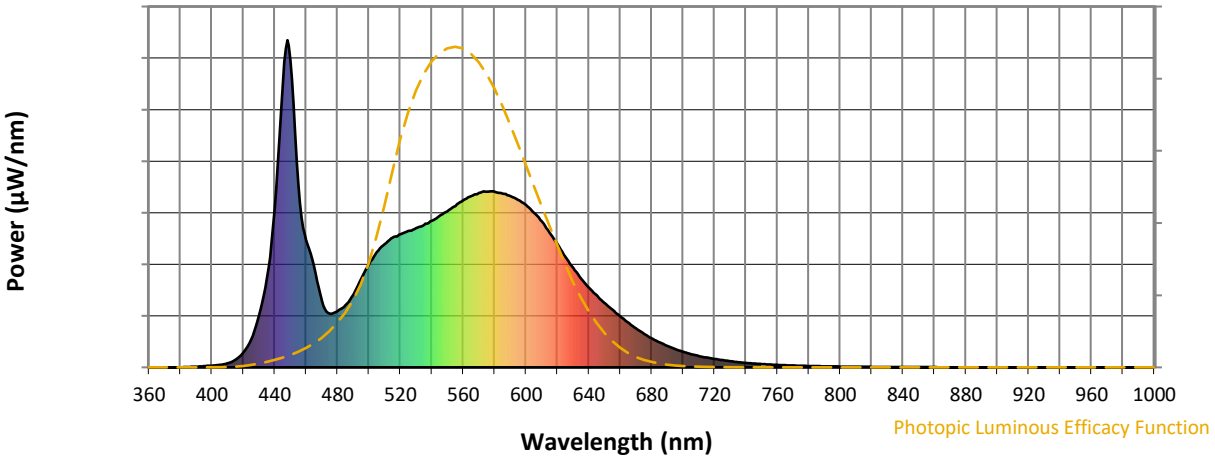


CCT = 5141K
CIE x = 0.3415
CIE y = 0.3524
Duv = 0.0019

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-10

Photopic Flux vs. Wavelength

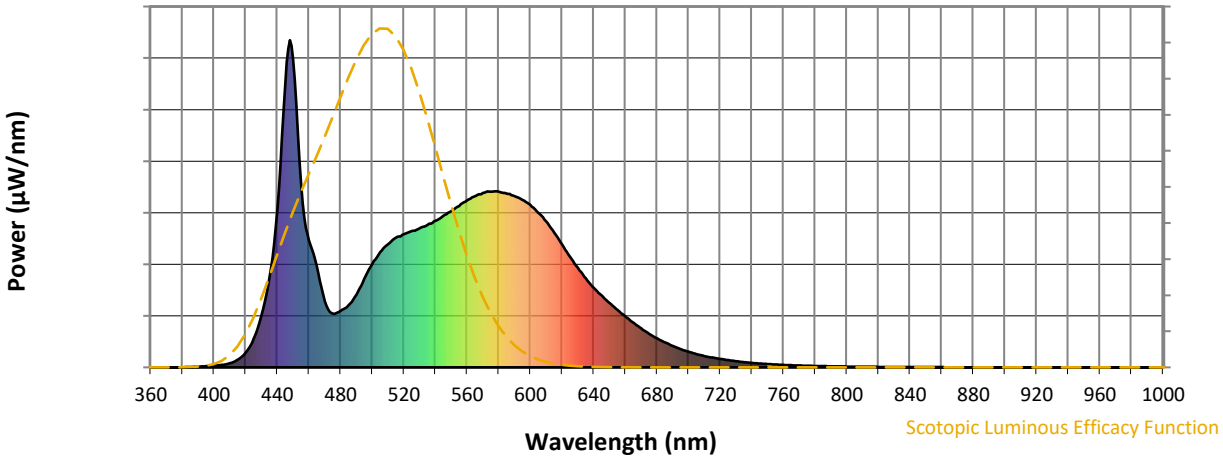


Photopic Lumens: NR

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-10

Scotopic Flux vs. Wavelength

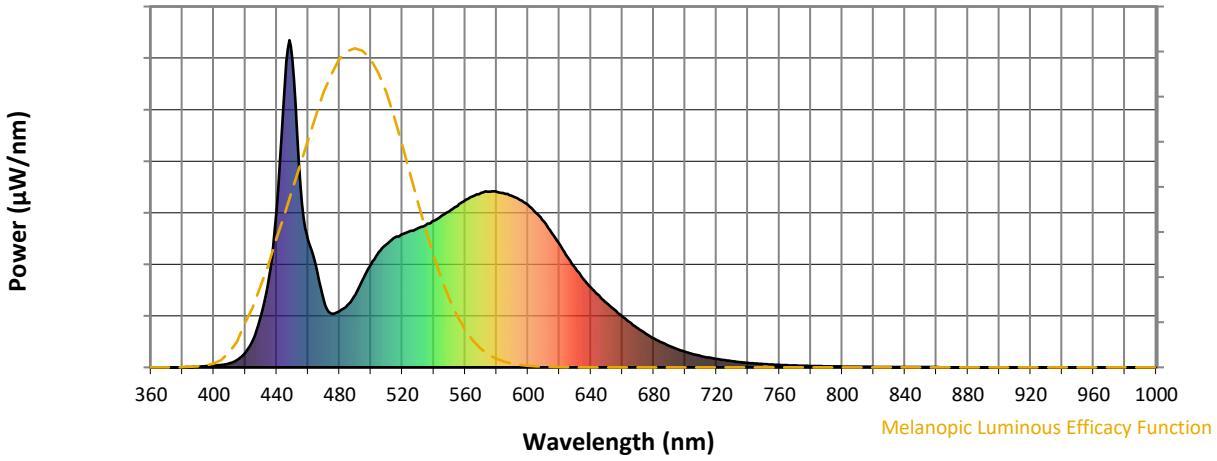


Scotopic Lumens: NR **S/P: 1.92**

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.05**

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

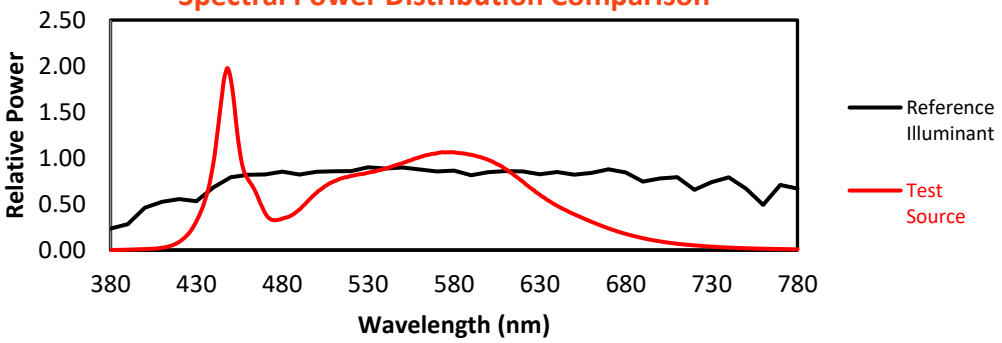
REPORT NUMBER: SP1-2501-332-10

TM-30-18

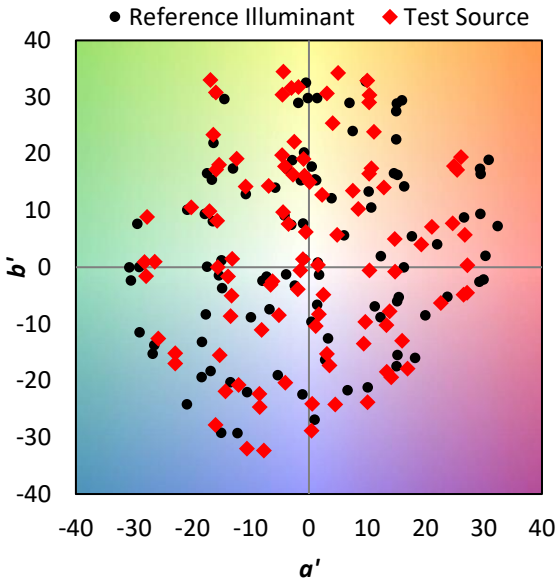
Summary

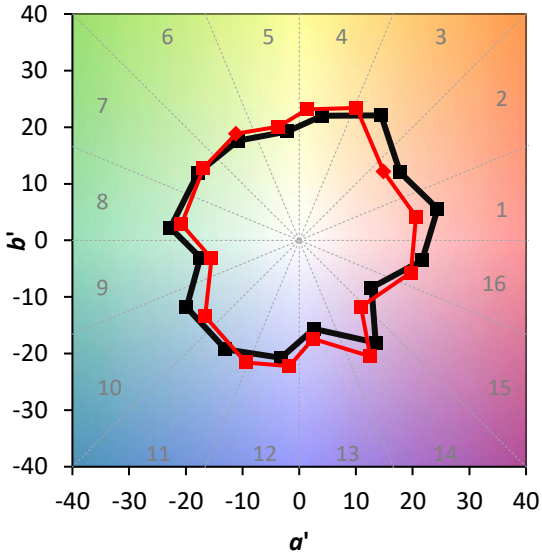
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R_g = 95.3
CIE R_a = 78.0
R_9 = -20.0

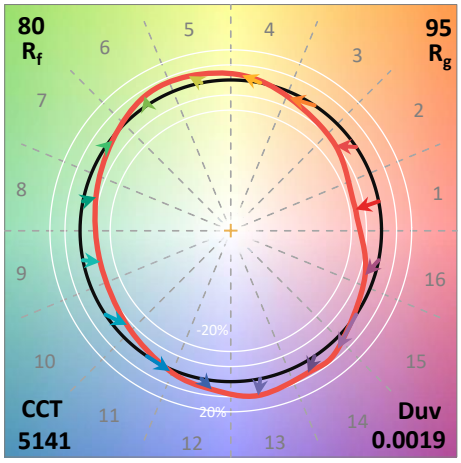
Spectral Power Distribution Comparison

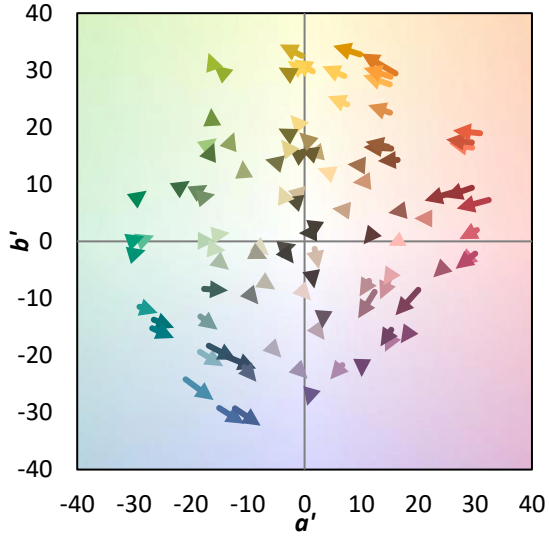


Color Vector Graphics







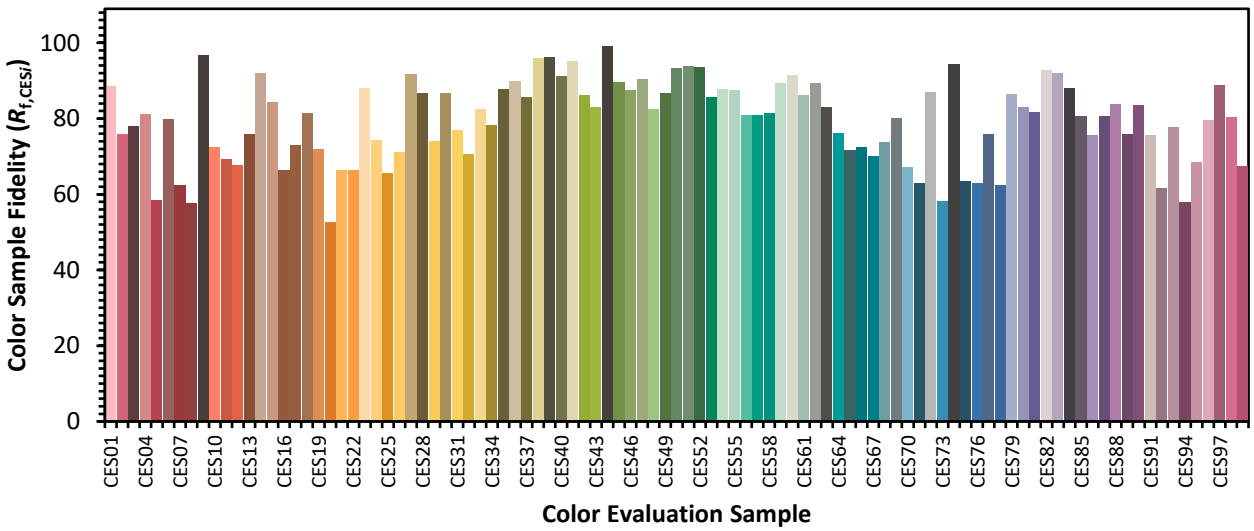


REPORT NUMBER: SP1-2501-332-10

TM-30-18

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

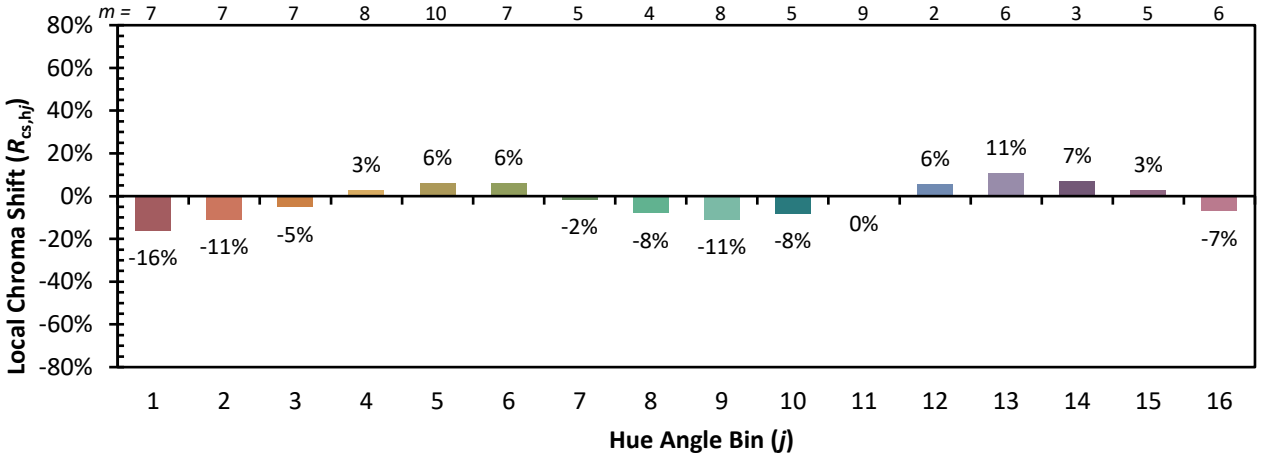
CES01 = 85	CES26 = 71	CES51 = 94	CES76 = 63
CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 76
CES03 = 30	CES28 = 87	CES53 = 86	CES78 = 63
CES04 = 69	CES29 = 74	CES54 = 88	CES79 = 86
CES05 = 46	CES30 = 87	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 77	CES56 = 81	CES81 = 82
CES07 = 39	CES32 = 70	CES57 = 81	CES82 = 93
CES08 = 38	CES33 = 83	CES58 = 82	CES83 = 92
CES09 = 29	CES34 = 78	CES59 = 89	CES84 = 88
CES10 = 73	CES35 = 88	CES60 = 91	CES85 = 81
CES11 = 56	CES36 = 90	CES61 = 86	CES86 = 76
CES12 = 61	CES37 = 86	CES62 = 89	CES87 = 81
CES13 = 42	CES38 = 96	CES63 = 83	CES88 = 84
CES14 = 74	CES39 = 96	CES64 = 76	CES89 = 76
CES15 = 70	CES40 = 91	CES65 = 72	CES90 = 83
CES16 = 46	CES41 = 95	CES66 = 72	CES91 = 76
CES17 = 49	CES42 = 86	CES67 = 70	CES92 = 62
CES18 = 55	CES43 = 83	CES68 = 74	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 80	CES94 = 58
CES20 = 64	CES45 = 90	CES70 = 67	CES95 = 68
CES21 = 85	CES46 = 88	CES71 = 63	CES96 = 79
CES22 = 77	CES47 = 90	CES72 = 87	CES97 = 89
CES23 = 91	CES48 = 83	CES73 = 58	CES98 = 80
CES24 = 90	CES49 = 87	CES74 = 94	CES99 = 67
CES25 = 71	CES50 = 93	CES75 = 64	

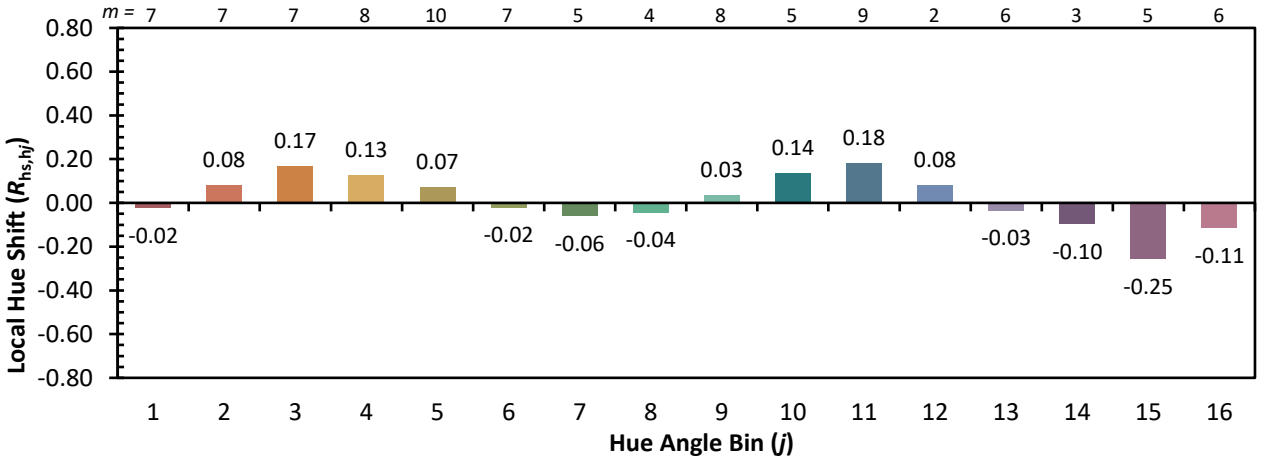


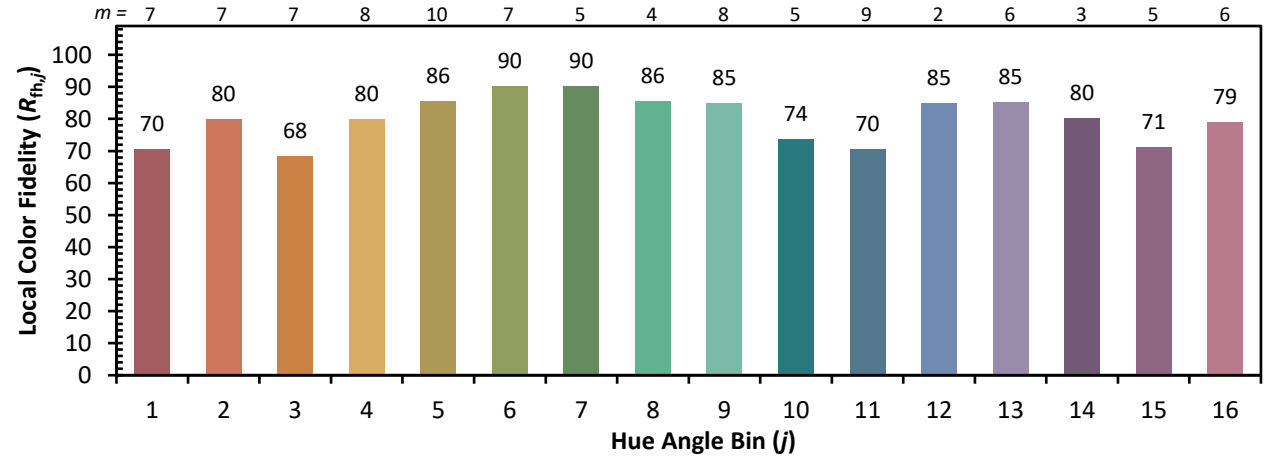
REPORT NUMBER: SP1-2501-332-10

TM-30-18

Color Rendition by Hue-Angle Bin



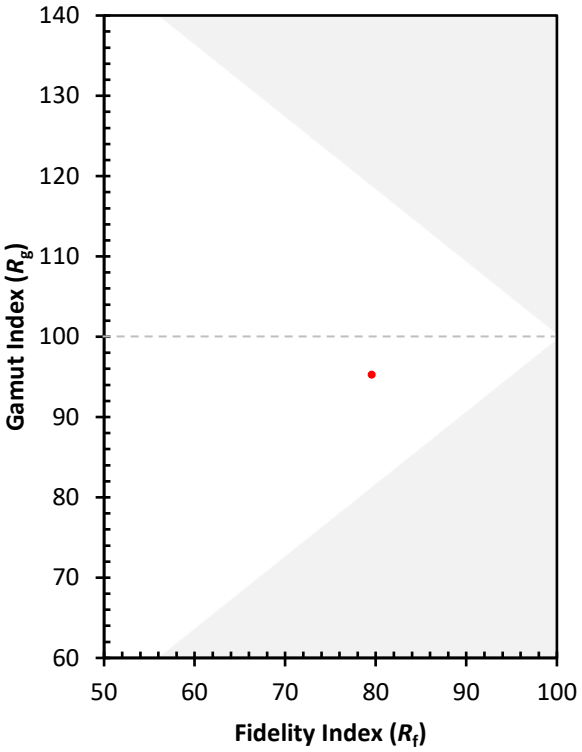


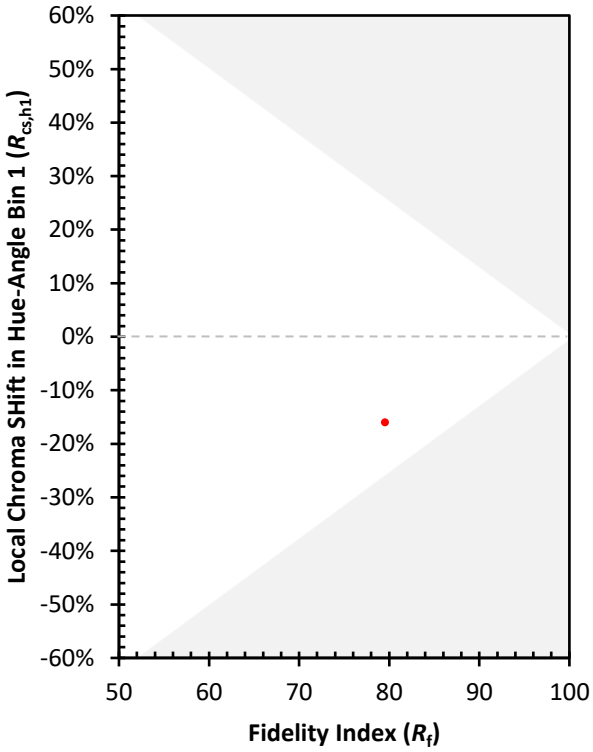


REPORT NUMBER: SP1-2501-332-10

TM-30-18

Measure Comparisons





(END OF REPORT)