

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: P1175335

Luminaire Tested: **FFX-CLB-30-AMB-U-FR-T3-P-HSS**

Issue Date: 08/12/2025

Test Information

Test Method: LM-79-08
Report Number: P1175335
Test Lab: INNOVATION CENTER(G2)
Issue Date: 08/12/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-30-AMB-U-FR-T3-P-HSS
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION
POLYCARBONATE LENS AND HOUSESIDE SHIELD
Light Source: (4) 1500K CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 663.8 lumens
Efficiency: N/A
Efficacy: 23.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type III - Short
BUG Rating: B0 - U3 - G1

Input Watts (W): 28.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



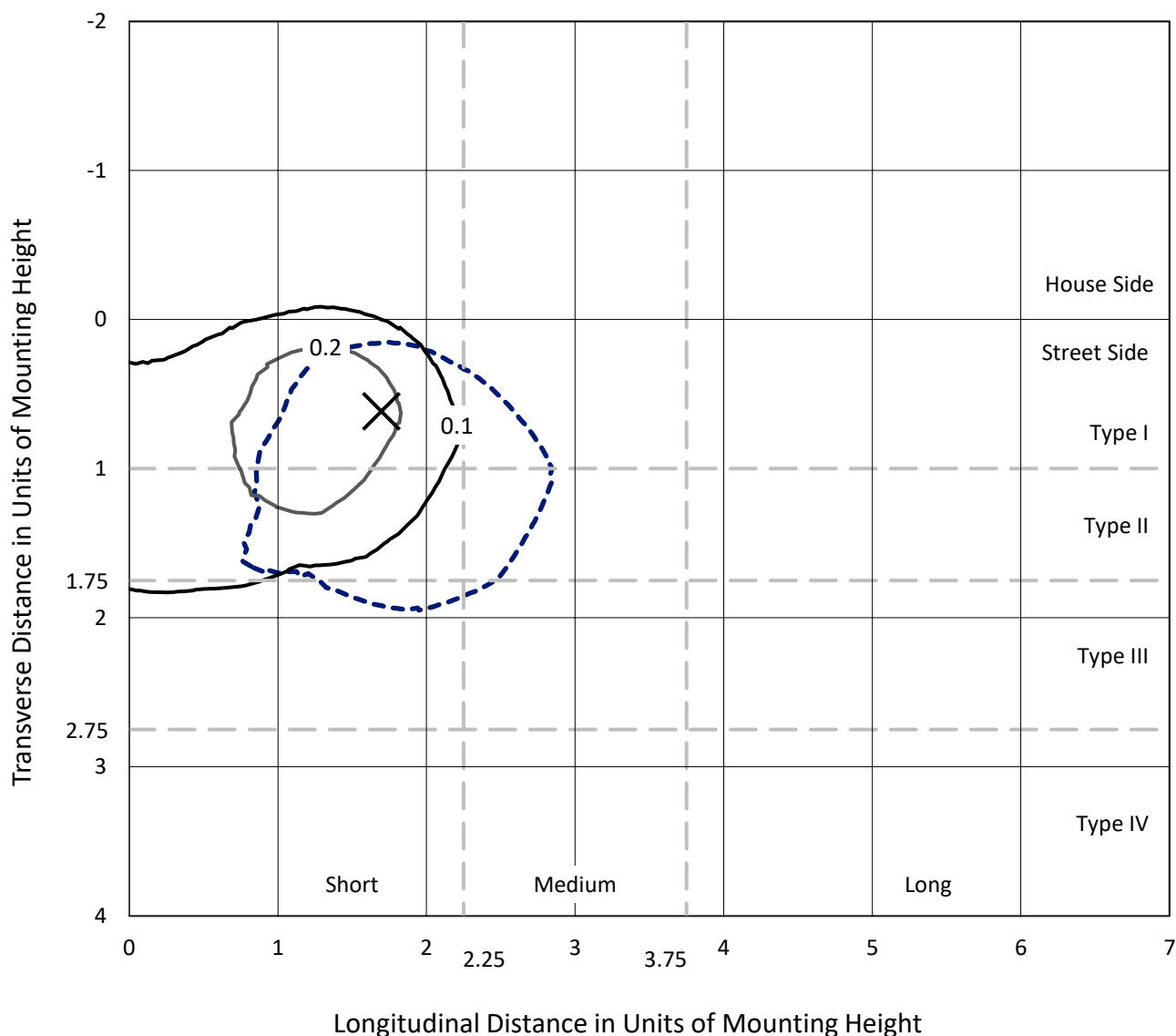
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

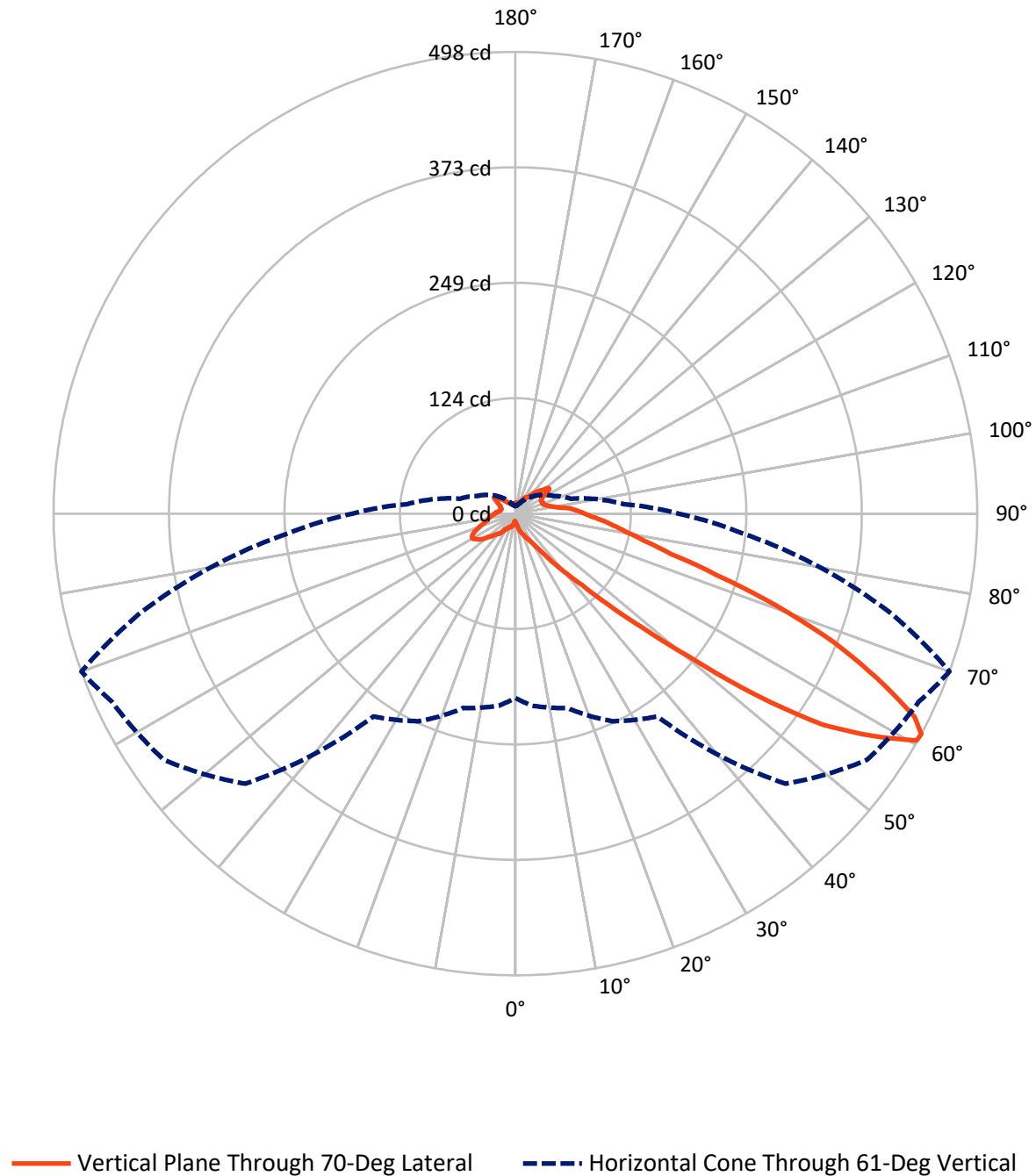


Based on 15 foot mounting height. Maximum calculated value = 0.3 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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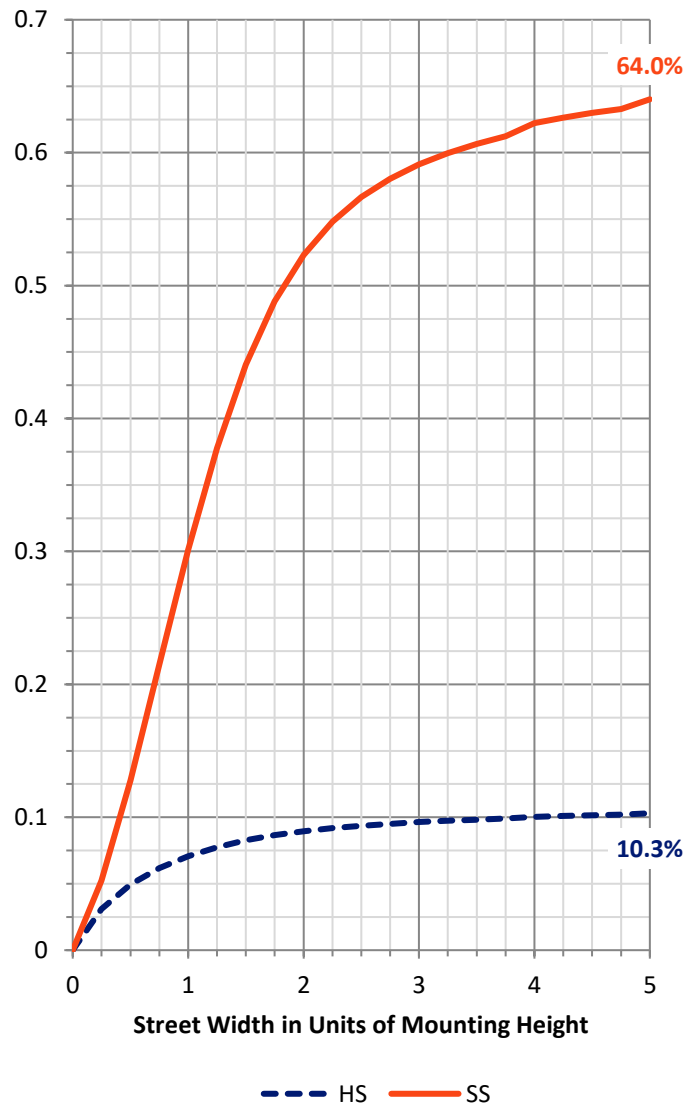
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	72.6	45.1	117.7
	% Fixture	10.9	6.8	17.7
Street Side	Lumens	446.6	99.5	546.1
	% Fixture	67.3	15.0	82.3
Total	Lumens	519.2	144.5	663.8
	% Fixture	78.2	21.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.2
10°-20°	4.6	0.7
20°-30°	10.0	1.5
30°-40°	21.4	3.2
40°-50°	52.3	7.9
50°-60°	133.7	20.1
60°-70°	157.9	23.8
70°-80°	87.6	13.2
80°-90°	50.7	7.6
90°-100°	33.4	5.0
100°-110°	23.3	3.5
110°-120°	22.2	3.4
120°-130°	26.7	4.0
130°-140°	18.7	2.8
140°-150°	10.4	1.6
150°-160°	5.8	0.9
160°-170°	3.0	0.5
170°-180°	1.1	0.2
0°-90°	519.2	78.2
0°-180°	663.8	100.0

Coefficient of Utilization



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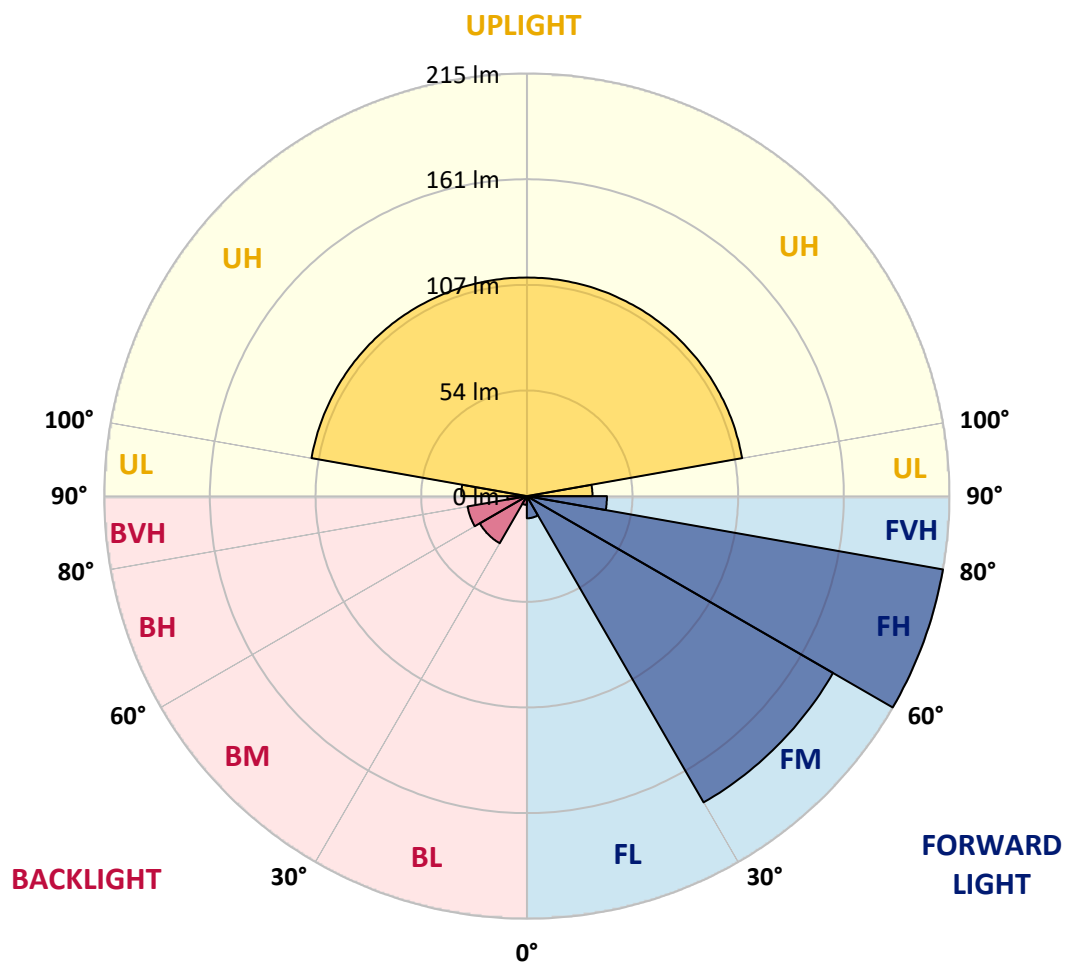
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11.3	1.7			
FM	(30°-60°)	179.8	27.1			
FH	(60°-80°)	214.9	32.4			G0/660
FVH	(80°-90°)	40.7	6.1			G1/100
BL	(0°-30°)	4.4	0.7	B0/110		
BM	(30°-60°)	27.6	4.2	B0/220		
BH	(60°-80°)	30.6	4.6	B0/110		G0/110
BVH	(80°-90°)	9.9	1.5			G0/10
UL	(90°-100°)	33.4	5.0		U2/50	
UH	(100°-180°)	111.2	16.7		U3/500	

BUG Rating: B0-U3-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
2.5°	13.0	12.0	12.0	12.0	12.0	12.0	11.0	10.0	10.0	10.0	9.0
5°	15.0	15.0	15.0	14.0	14.0	13.0	12.0	11.0	11.0	11.0	10.0
7.5°	17.0	17.0	17.0	16.0	16.0	15.0	14.0	13.0	13.0	12.0	11.0
10°	19.0	19.0	19.0	19.0	18.0	18.0	17.0	16.0	15.0	15.0	14.0
12.5°	22.0	22.0	22.0	22.0	21.0	20.0	20.0	19.0	18.0	17.0	16.0
15°	25.0	24.0	24.0	24.0	24.0	23.0	22.0	21.0	20.0	20.0	18.0
17.5°	27.0	26.0	27.0	26.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0
20°	29.0	28.0	28.0	28.0	28.0	27.0	26.0	25.0	24.0	23.0	21.0
22.5°	31.0	31.0	30.0	31.0	30.0	30.0	29.0	27.0	27.0	26.0	23.0
25°	33.0	33.0	33.0	33.0	34.0	34.0	32.0	30.0	30.0	29.0	25.0
27.5°	36.0	35.0	36.0	36.0	37.0	38.0	36.0	34.0	33.0	32.0	28.0
30°	38.0	38.0	39.0	40.0	40.0	42.0	41.0	39.0	38.0	36.0	30.0
32.5°	42.0	42.0	43.0	44.0	45.0	48.0	47.0	46.0	45.0	43.0	34.0
35°	48.0	47.0	48.0	50.0	51.0	57.0	56.0	55.0	54.0	51.0	41.0
37.5°	57.0	57.0	58.0	59.0	62.0	71.0	70.0	70.0	69.0	65.0	50.0
40°	64.0	64.0	64.0	67.0	71.0	85.0	86.0	86.0	85.0	79.0	57.0
42.5°	69.0	69.0	73.0	78.0	83.0	102.0	103.0	106.0	105.0	95.0	70.0
45°	81.0	81.0	85.0	91.0	98.0	130.9	133.9	139.9	139.9	121.9	85.0
47.5°	95.0	95.0	99.0	110.0	119.0	165.9	172.9	180.9	181.9	157.9	106.0
50°	114.0	115.0	122.9	137.9	150.9	215.9	229.9	243.9	241.9	208.9	134.9
52.5°	141.9	143.9	153.9	172.9	186.9	281.9	308.9	326.9	325.9	278.9	171.9
55°	163.9	168.9	178.9	205.9	223.9	339.9	371.8	391.8	401.8	341.9	201.9
57.5°	183.9	189.9	201.9	229.9	255.9	388.8	425.8	447.8	451.8	392.8	226.9
60°	197.9	205.9	216.9	246.9	266.9	412.8	464.8	483.8	496.8	421.8	244.9
61°	198.9	207.9	216.9	246.9	266.9	411.8	462.8	479.8	497.8	420.8	245.9
62.5°	195.9	202.9	211.9	241.9	261.9	400.8	447.8	462.8	482.8	405.8	242.9
65°	182.9	186.9	192.9	220.9	236.9	355.9	405.8	414.8	428.8	356.9	217.9
67.5°	166.9	169.9	172.9	195.9	207.9	300.9	355.9	361.8	369.8	304.9	191.9
70°	147.9	149.9	147.9	169.9	178.9	247.9	292.9	295.9	299.9	248.9	157.9
72.5°	123.9	124.9	122.9	140.9	149.9	195.9	226.9	228.9	226.9	194.9	128.9
75°	105.0	104.0	103.0	115.0	123.9	153.9	176.9	177.9	172.9	149.9	103.0
77.5°	89.0	89.0	87.0	96.0	104.0	125.9	145.9	145.9	142.9	122.9	86.0
80°	77.0	77.0	76.0	82.0	89.0	109.0	124.9	125.9	121.9	106.0	76.0
82.5°	67.0	66.0	66.0	72.0	78.0	95.0	110.0	110.0	107.0	94.0	68.0
85°	58.0	58.0	58.0	62.0	67.0	82.0	95.0	96.0	94.0	82.0	60.0
87.5°	51.0	51.0	52.0	55.0	58.0	72.0	83.0	83.0	81.0	72.0	52.0
90°	46.0	47.0	47.0	49.0	53.0	64.0	74.0	74.0	73.0	64.0	47.0
92.5°	43.0	43.0	44.0	46.0	48.0	58.0	68.0	68.0	66.0	59.0	43.0
95°	39.0	39.0	40.0	41.0	43.0	52.0	61.0	60.0	59.0	52.0	39.0
97.5°	34.0	34.0	34.0	35.0	37.0	43.0	49.0	48.0	47.0	43.0	32.0
100°	31.0	31.0	31.0	32.0	33.0	38.0	42.0	42.0	41.0	38.0	29.0
102.5°	30.0	30.0	30.0	30.0	31.0	35.0	38.0	38.0	37.0	34.0	27.0
105°	28.0	28.0	28.0	28.0	29.0	32.0	35.0	35.0	34.0	32.0	25.0
107.5°	28.0	27.0	27.0	28.0	28.0	31.0	33.0	32.0	32.0	30.0	24.0



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CATALOG NUMBER: FFX-CLB-30-AMB-U-FR-T3-P-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	28.0	28.0	29.0	29.0	28.0	30.0	32.0	32.0	31.0	29.0	24.0
112.5°	31.0	31.0	31.0	30.0	29.0	31.0	32.0	32.0	32.0	30.0	25.0
115°	31.0	31.0	31.0	31.0	30.0	31.0	31.0	31.0	31.0	30.0	26.0
117.5°	31.0	32.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	29.0	26.0
120°	33.0	34.0	35.0	36.0	37.0	36.0	34.0	33.0	33.0	32.0	30.0
122.5°	37.0	37.0	39.0	42.0	42.0	40.0	38.0	37.0	37.0	36.0	35.0
125°	45.0	45.0	45.0	47.0	47.0	48.0	47.0	46.0	45.0	44.0	39.0
127.5°	41.0	41.0	42.0	43.0	43.0	45.0	45.0	46.0	45.0	45.0	41.0
130°	36.0	36.0	37.0	37.0	38.0	40.0	40.0	40.0	40.0	39.0	36.0
132.5°	33.0	33.0	33.0	33.0	34.0	36.0	37.0	37.0	36.0	36.0	33.0
135°	30.0	30.0	30.0	30.0	30.0	33.0	34.0	34.0	33.0	33.0	30.0
137.5°	27.0	27.0	27.0	26.0	27.0	29.0	30.0	30.0	30.0	30.0	28.0
140°	23.0	23.0	23.0	23.0	24.0	25.0	26.0	26.0	26.0	26.0	25.0
142.5°	20.0	20.0	20.0	21.0	21.0	22.0	22.0	22.0	22.0	22.0	21.0
145°	19.0	19.0	19.0	20.0	20.0	21.0	21.0	21.0	21.0	20.0	19.0
147.5°	18.0	18.0	18.0	19.0	20.0	22.0	22.0	21.0	21.0	21.0	19.0
150°	17.0	17.0	17.0	17.0	19.0	20.0	20.0	19.0	19.0	19.0	18.0
152.5°	15.0	15.0	15.0	16.0	16.0	17.0	17.0	16.0	16.0	16.0	15.0
155°	14.0	14.0	14.0	14.0	14.0	15.0	15.0	14.0	14.0	14.0	14.0
157.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.0
160°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
162.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
165°	11.0	11.0	12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
167.5°	12.0	12.0	12.0	12.0	12.0	11.0	11.0	11.0	11.0	11.0	11.0
170°	12.0	12.0	12.0	12.0	12.0	11.0	11.0	11.0	11.0	11.0	11.0
172.5°	12.0	12.0	12.0	12.0	12.0	12.0	11.0	11.0	11.0	11.0	11.0
175°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0	12.0	11.0	11.0
177.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0	11.0
180°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
2.5°	9.0	9.0	8.0	8.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0
5°	10.0	9.0	9.0	8.0	7.0	7.0	6.0	6.0	5.0	5.0	5.0
7.5°	11.0	11.0	10.0	9.0	8.0	8.0	7.0	6.0	6.0	6.0	6.0
10°	13.0	13.0	12.0	11.0	9.0	8.0	8.0	7.0	7.0	7.0	7.0
12.5°	15.0	15.0	14.0	12.0	11.0	9.0	8.0	7.0	7.0	7.0	7.0
15°	17.0	16.0	15.0	13.0	11.0	9.0	8.0	7.0	7.0	7.0	7.0
17.5°	19.0	18.0	16.0	13.0	11.0	9.0	8.0	7.0	6.0	6.0	6.0
20°	20.0	19.0	16.0	14.0	11.0	9.0	8.0	7.0	6.0	6.0	6.0
22.5°	22.0	20.0	17.0	14.0	12.0	9.0	7.0	6.0	6.0	6.0	5.0
25°	23.0	21.0	18.0	15.0	12.0	9.0	7.0	6.0	6.0	5.0	5.0
27.5°	25.0	23.0	19.0	16.0	12.0	9.0	8.0	6.0	6.0	5.0	5.0
30°	27.0	25.0	21.0	17.0	13.0	9.0	7.0	6.0	5.0	5.0	5.0
32.5°	31.0	28.0	22.0	18.0	13.0	10.0	8.0	6.0	6.0	5.0	5.0
35°	35.0	32.0	25.0	19.0	14.0	10.0	8.0	6.0	6.0	5.0	5.0
37.5°	44.0	38.0	31.0	22.0	15.0	11.0	8.0	7.0	6.0	5.0	5.0
40°	49.0	42.0	32.0	24.0	16.0	11.0	9.0	7.0	6.0	5.0	5.0
42.5°	58.0	48.0	35.0	24.0	17.0	12.0	9.0	7.0	6.0	5.0	5.0
45°	68.0	56.0	40.0	26.0	18.0	13.0	10.0	8.0	6.0	6.0	6.0
47.5°	80.0	64.0	43.0	29.0	20.0	15.0	11.0	8.0	7.0	6.0	6.0
50°	99.0	76.0	47.0	31.0	23.0	17.0	12.0	9.0	7.0	6.0	6.0
52.5°	123.9	92.0	53.0	36.0	26.0	19.0	14.0	10.0	8.0	6.0	6.0
55°	144.9	103.0	57.0	39.0	30.0	22.0	16.0	11.0	8.0	7.0	7.0
57.5°	161.9	111.0	59.0	42.0	33.0	25.0	18.0	12.0	9.0	7.0	7.0
60°	174.9	117.0	62.0	45.0	35.0	26.0	19.0	13.0	9.0	8.0	7.0
61°	175.9	117.0	62.0	45.0	35.0	26.0	19.0	13.0	10.0	8.0	8.0
62.5°	173.9	114.0	61.0	45.0	35.0	26.0	19.0	13.0	10.0	8.0	8.0
65°	162.9	106.0	58.0	43.0	33.0	25.0	18.0	13.0	10.0	9.0	8.0
67.5°	143.9	95.0	54.0	39.0	31.0	23.0	17.0	13.0	10.0	9.0	9.0
70°	120.9	83.0	48.0	35.0	28.0	21.0	16.0	12.0	10.0	9.0	9.0
72.5°	100.0	71.0	43.0	31.0	25.0	19.0	15.0	11.0	9.0	8.0	8.0
75°	81.0	60.0	38.0	28.0	22.0	18.0	14.0	11.0	9.0	8.0	8.0
77.5°	68.0	53.0	36.0	26.0	20.0	16.0	13.0	10.0	9.0	8.0	8.0
80°	61.0	48.0	34.0	25.0	19.0	15.0	12.0	10.0	9.0	8.0	8.0
82.5°	56.0	46.0	33.0	24.0	18.0	15.0	12.0	10.0	9.0	8.0	8.0
85°	50.0	41.0	30.0	22.0	17.0	14.0	11.0	10.0	8.0	8.0	8.0
87.5°	44.0	37.0	27.0	21.0	16.0	13.0	11.0	9.0	8.0	8.0	8.0
90°	39.0	33.0	25.0	20.0	16.0	13.0	11.0	9.0	8.0	8.0	8.0
92.5°	36.0	30.0	23.0	19.0	15.0	13.0	11.0	9.0	9.0	8.0	8.0
95°	33.0	27.0	22.0	18.0	15.0	12.0	11.0	9.0	9.0	8.0	8.0
97.5°	28.0	24.0	20.0	16.0	14.0	12.0	10.0	9.0	9.0	8.0	8.0
100°	25.0	22.0	18.0	16.0	14.0	12.0	10.0	9.0	9.0	9.0	9.0
102.5°	24.0	21.0	18.0	16.0	14.0	12.0	11.0	10.0	9.0	9.0	9.0
105°	22.0	20.0	17.0	15.0	13.0	12.0	11.0	10.0	9.0	9.0	9.0
107.5°	22.0	19.0	17.0	15.0	13.0	12.0	11.0	10.0	9.0	9.0	9.0



REPORT NUMBER: P1175335

CATALOG NUMBER: FFX-CLB-30-AMB-U-FR-T3-P-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.0	20.0	17.0	15.0	13.0	12.0	11.0	10.0	10.0	9.0	9.0
112.5°	23.0	21.0	18.0	16.0	14.0	12.0	11.0	10.0	10.0	10.0	10.0
115°	24.0	22.0	19.0	17.0	14.0	13.0	12.0	11.0	11.0	10.0	10.0
117.5°	26.0	22.0	19.0	17.0	15.0	13.0	12.0	11.0	11.0	11.0	11.0
120°	30.0	25.0	22.0	19.0	16.0	14.0	12.0	12.0	11.0	11.0	12.0
122.5°	33.0	30.0	25.0	21.0	17.0	15.0	14.0	13.0	12.0	12.0	11.0
125°	37.0	33.0	28.0	24.0	21.0	18.0	15.0	13.0	12.0	11.0	11.0
127.5°	39.0	37.0	32.0	26.0	22.0	18.0	15.0	13.0	12.0	11.0	11.0
130°	34.0	32.0	28.0	24.0	20.0	17.0	14.0	12.0	11.0	11.0	10.0
132.5°	31.0	30.0	26.0	23.0	19.0	16.0	13.0	12.0	11.0	10.0	10.0
135°	28.0	27.0	24.0	21.0	18.0	15.0	13.0	11.0	10.0	10.0	10.0
137.5°	26.0	25.0	22.0	19.0	17.0	14.0	12.0	10.0	10.0	10.0	10.0
140°	23.0	23.0	20.0	17.0	15.0	12.0	11.0	10.0	9.0	10.0	10.0
142.5°	20.0	20.0	18.0	15.0	13.0	11.0	10.0	10.0	9.0	9.0	9.0
145°	18.0	17.0	16.0	14.0	12.0	11.0	10.0	10.0	9.0	9.0	9.0
147.5°	17.0	17.0	15.0	14.0	12.0	11.0	10.0	9.0	9.0	9.0	9.0
150°	16.0	15.0	14.0	13.0	11.0	10.0	9.0	9.0	9.0	9.0	9.0
152.5°	14.0	14.0	13.0	12.0	11.0	10.0	9.0	9.0	9.0	9.0	9.0
155°	13.0	13.0	12.0	11.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0
157.5°	12.0	12.0	11.0	11.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0
160°	11.0	11.0	11.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0
162.5°	11.0	11.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	10.0	9.0
165°	11.0	11.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
167.5°	11.0	11.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
170°	11.0	11.0	11.0	10.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0
172.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
175°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
177.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
180°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-6

Test Date: 03/28/2025

Luminaire Tested: FFX-CLB-AMB-U-FR-T5

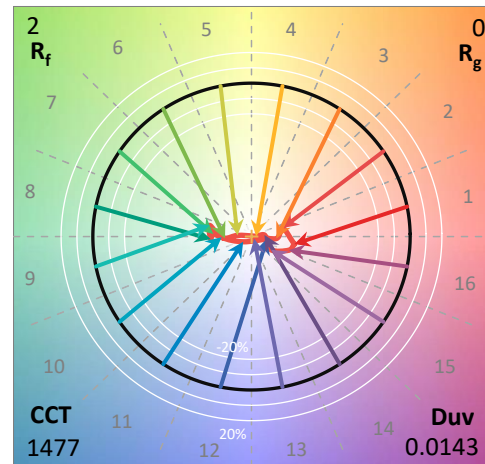
Data in this report applies to families of products including FFX-CLB-AMB-U-FR-T5

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2501-332-6
 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-AMB-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR AMBER T5

Spectral Parameters

CCT (K):	1477	CRI (Ra):	-16.4		
CIE u':	0.3612	R1:	-26.9	R9:	-362.0
CIE v':	0.5457	R2:	55.7	R10:	34.1
Duv:	0.0143	R3:	19.5	R11:	-85.9
CIE x:	0.5980	R4:	-61.2	R12:	-0.3
CIE y:	0.4014	R5:	-34.3	R13:	-8.9
CIE z:	0.0006	R6:	47.8	R14:	48.3
Peak Wavelength (nm):	599	R7:	-4.8	R15:	-60.0
Dominant Wavelength (nm):	594	R8:	-127.3		
Purity:	99.99006				
Rf:	1.7				
Rg:	0.1				



Test Conditions

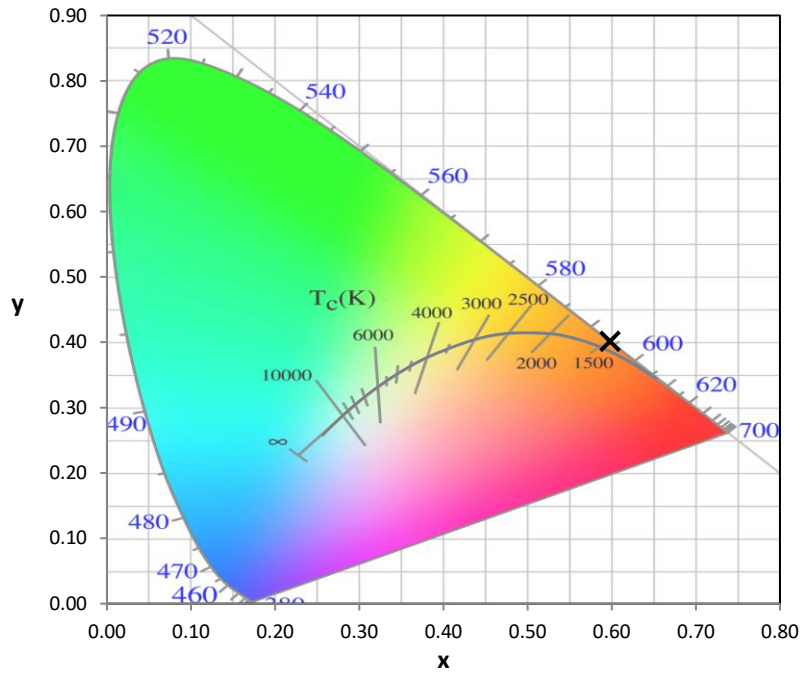
Stabilization Time: 152M
 Operation Time: 3H 32M
 Sphere Temperature (°C): 24.9

REPORT NUMBER: SP1-2501-332-6

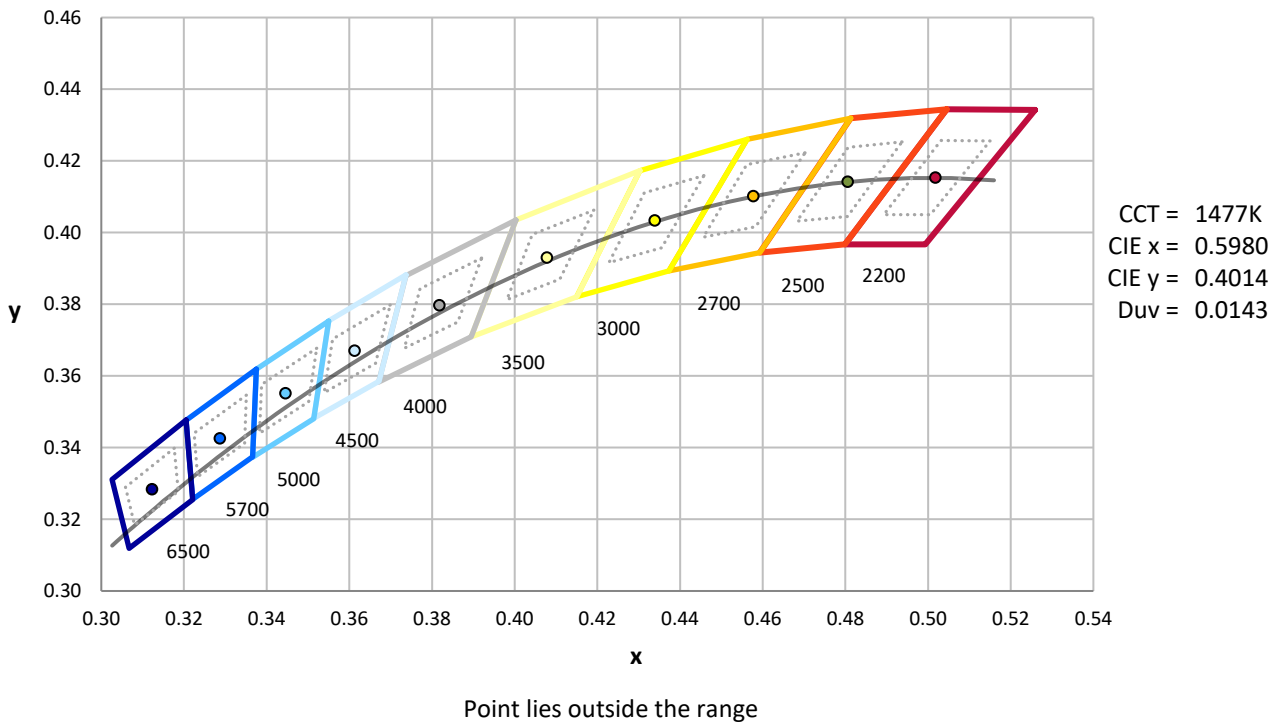
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-6

CIE 1931 Chromaticity Diagram

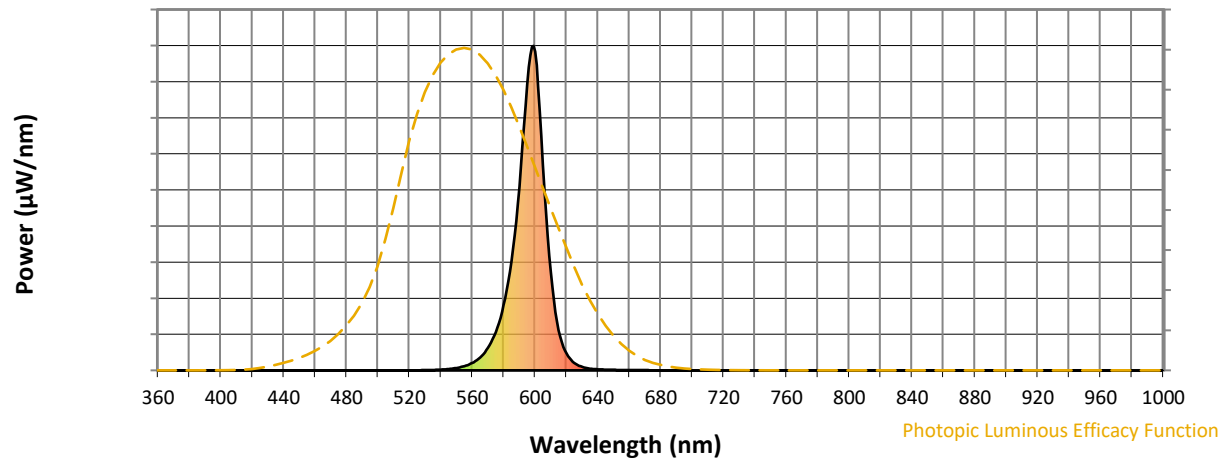


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2501-332-6

Photopic Flux vs. Wavelength

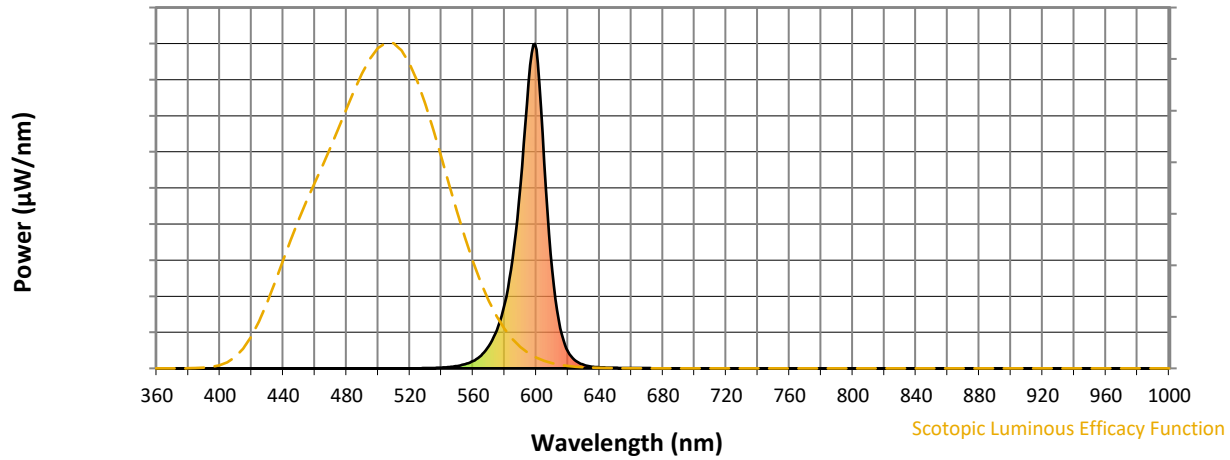


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	0	NR	620	52	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	23	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	11	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	5	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	2	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	2	NR	670	1	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	13	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	23	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	40	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	69	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	118	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	201	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	337	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	566	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	880	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	982	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	633	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	302	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	123	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-6

Scotopic Flux vs. Wavelength



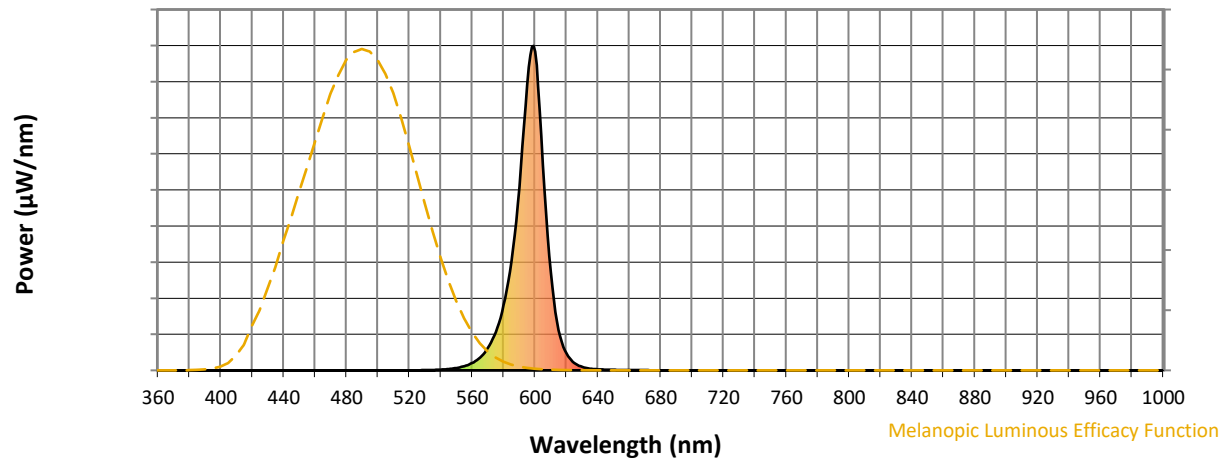
Scotopic Lumens: NR

S/P: 0.21

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	0	NR	620	52	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	23	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	11	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	5	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	2	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	2	NR	670	1	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	13	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	23	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	40	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	69	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	118	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	201	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	337	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	566	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	880	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	982	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	633	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	302	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	123	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 0.11

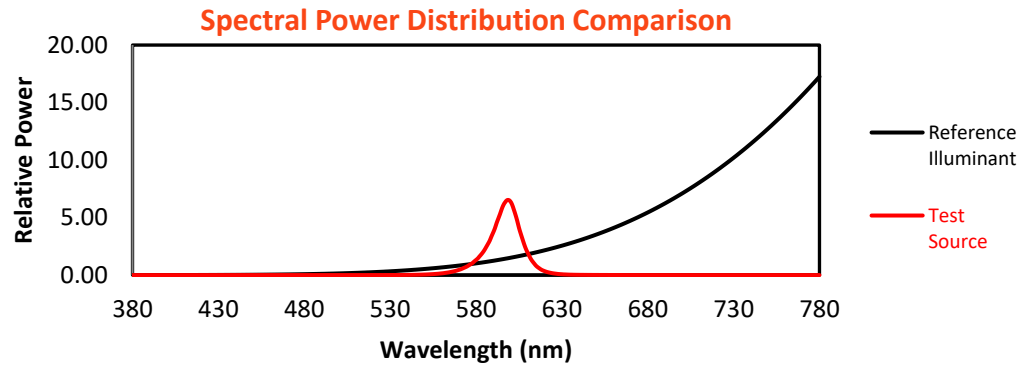
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	0	NR	620	52	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	23	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	11	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	5	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	2	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	2	NR	670	1	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	13	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	23	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	40	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	69	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	118	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	201	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	337	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	566	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	880	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	982	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	633	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	302	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	123	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-6

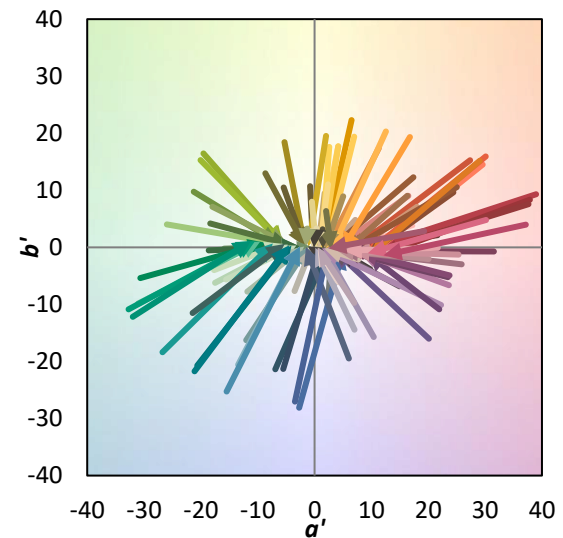
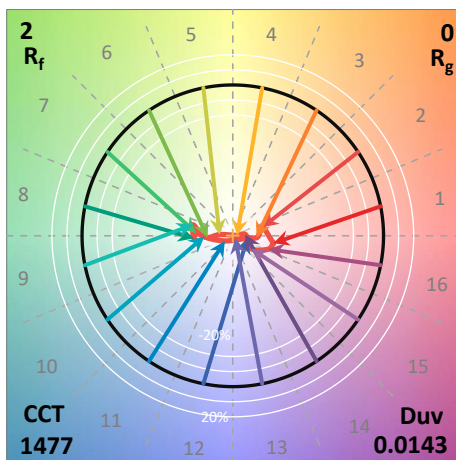
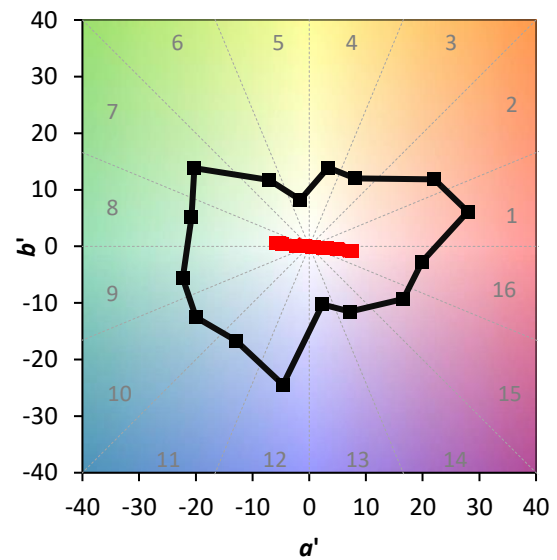
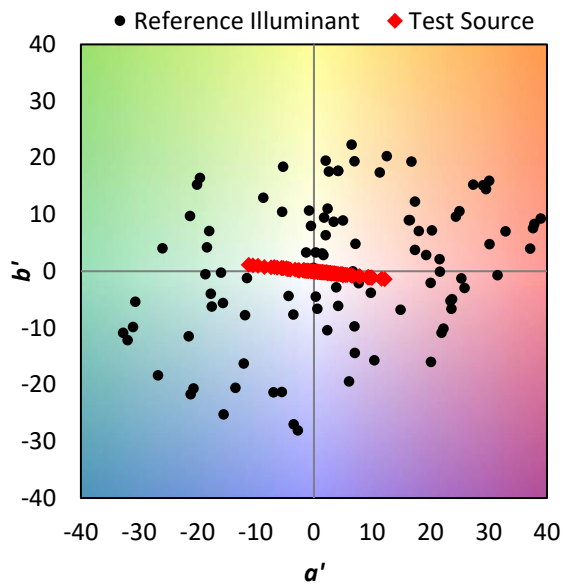
TM-30-18

Summary

$R_f = 1.7$
 $R_g = 0.1$
 $CIE R_a = -16.4$
 $R_g = -362.0$

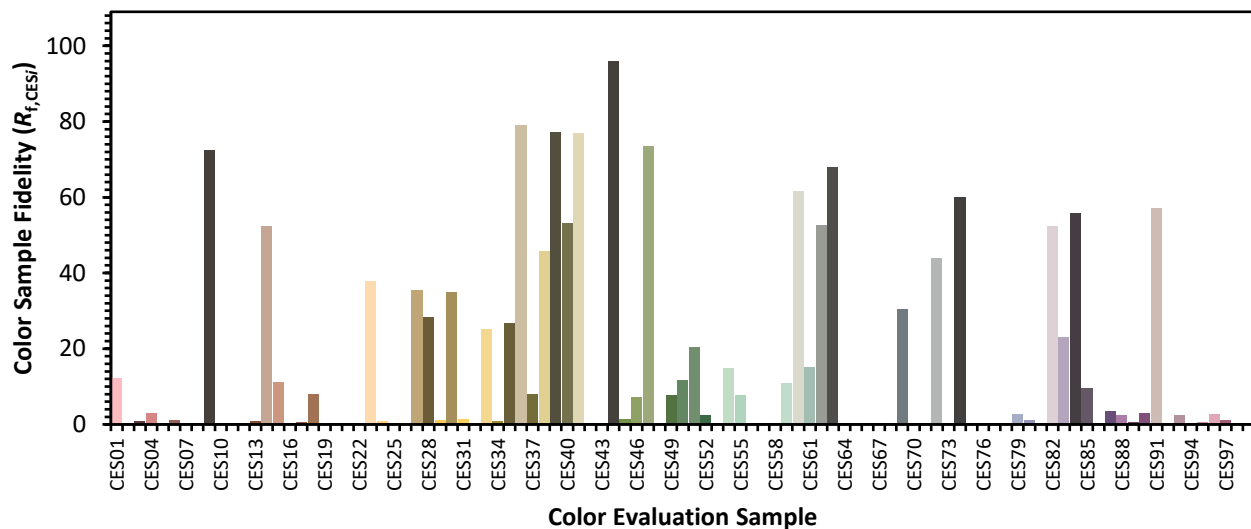


Color Vector Graphics

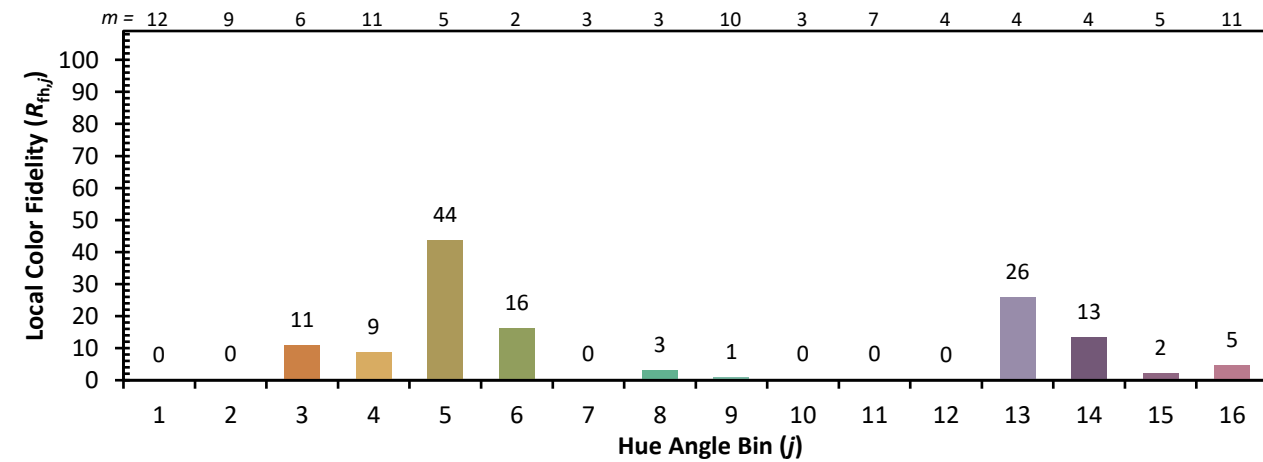
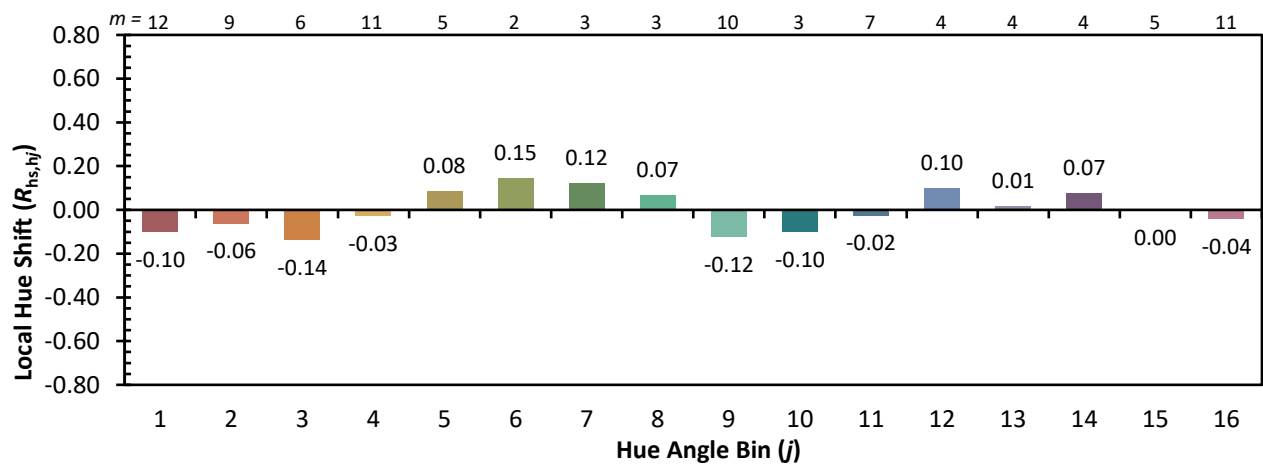
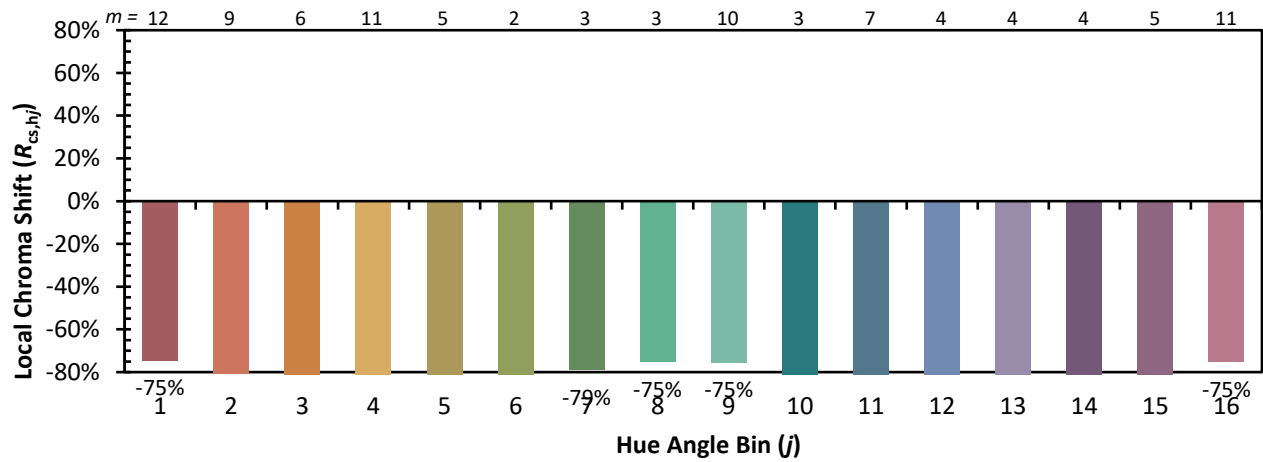


Individual Sample Fidelity Index ($R_{f,i}$)

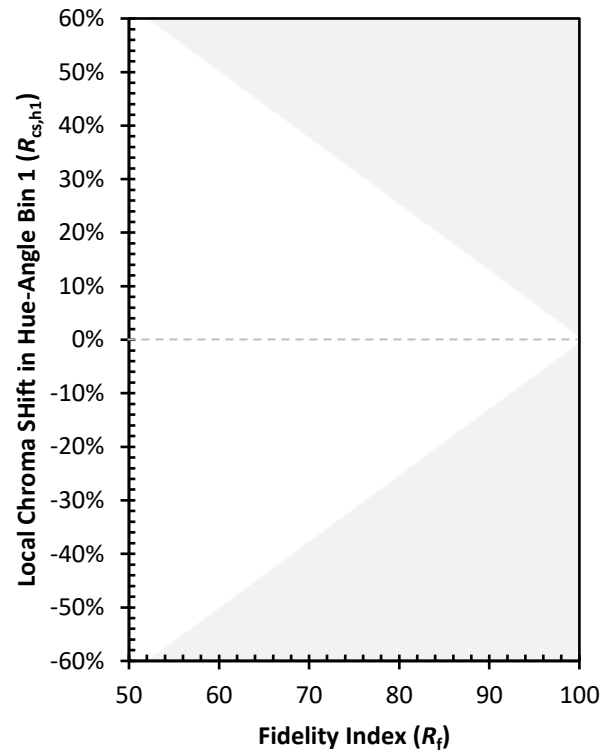
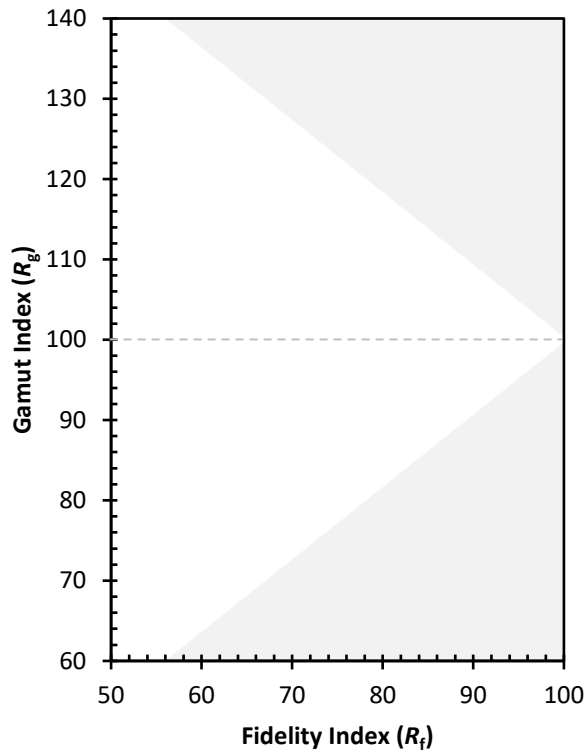
CES01 = 90	CES26 = 0	CES51 = 20	CES76 = 0
CES02 = 70	CES27 = 35	CES52 = 3	CES77 = 0
CES03 = 31	CES28 = 28	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 1	CES54 = 15	CES79 = 3
CES05 = 52	CES30 = 35	CES55 = 8	CES80 = 1
CES06 = 56	CES31 = 1	CES56 = 0	CES81 = 0
CES07 = 42	CES32 = 0	CES57 = 0	CES82 = 52
CES08 = 39	CES33 = 25	CES58 = 0	CES83 = 23
CES09 = 30	CES34 = 1	CES59 = 11	CES84 = 56
CES10 = 88	CES35 = 27	CES60 = 62	CES85 = 10
CES11 = 70	CES36 = 79	CES61 = 15	CES86 = 0
CES12 = 76	CES37 = 8	CES62 = 53	CES87 = 4
CES13 = 48	CES38 = 46	CES63 = 68	CES88 = 2
CES14 = 77	CES39 = 77	CES64 = 0	CES89 = 0
CES15 = 75	CES40 = 53	CES65 = 0	CES90 = 3
CES16 = 50	CES41 = 77	CES66 = 0	CES91 = 57
CES17 = 56	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 60	CES43 = 0	CES68 = 0	CES93 = 3
CES19 = 80	CES44 = 96	CES69 = 30	CES94 = 0
CES20 = 72	CES45 = 2	CES70 = 0	CES95 = 0
CES21 = 94	CES46 = 7	CES71 = 0	CES96 = 3
CES22 = 87	CES47 = 73	CES72 = 44	CES97 = 1
CES23 = 94	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 95	CES49 = 8	CES74 = 60	CES99 = 0
CES25 = 79	CES50 = 12	CES75 = 0	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)