

Signify Classified - Internal
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: P1175331

Luminaire Tested: **FFX-CLB-40-AMB-U-PG-T5-HSS**

Issue Date: 08/12/2025

Test Information

Test Method: LM-79-08
Report Number: P1175331
Test Lab: INNOVATION CENTER(G2)
Issue Date: 08/12/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-AMB-U-PG-T5-HSS
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source: (6) 1500K CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 724.7 lumens
Efficiency: N/A
Efficacy: 17.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type IV - Short
BUG Rating: B0 - U3 - G1

Input Watts (W): 41.9
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

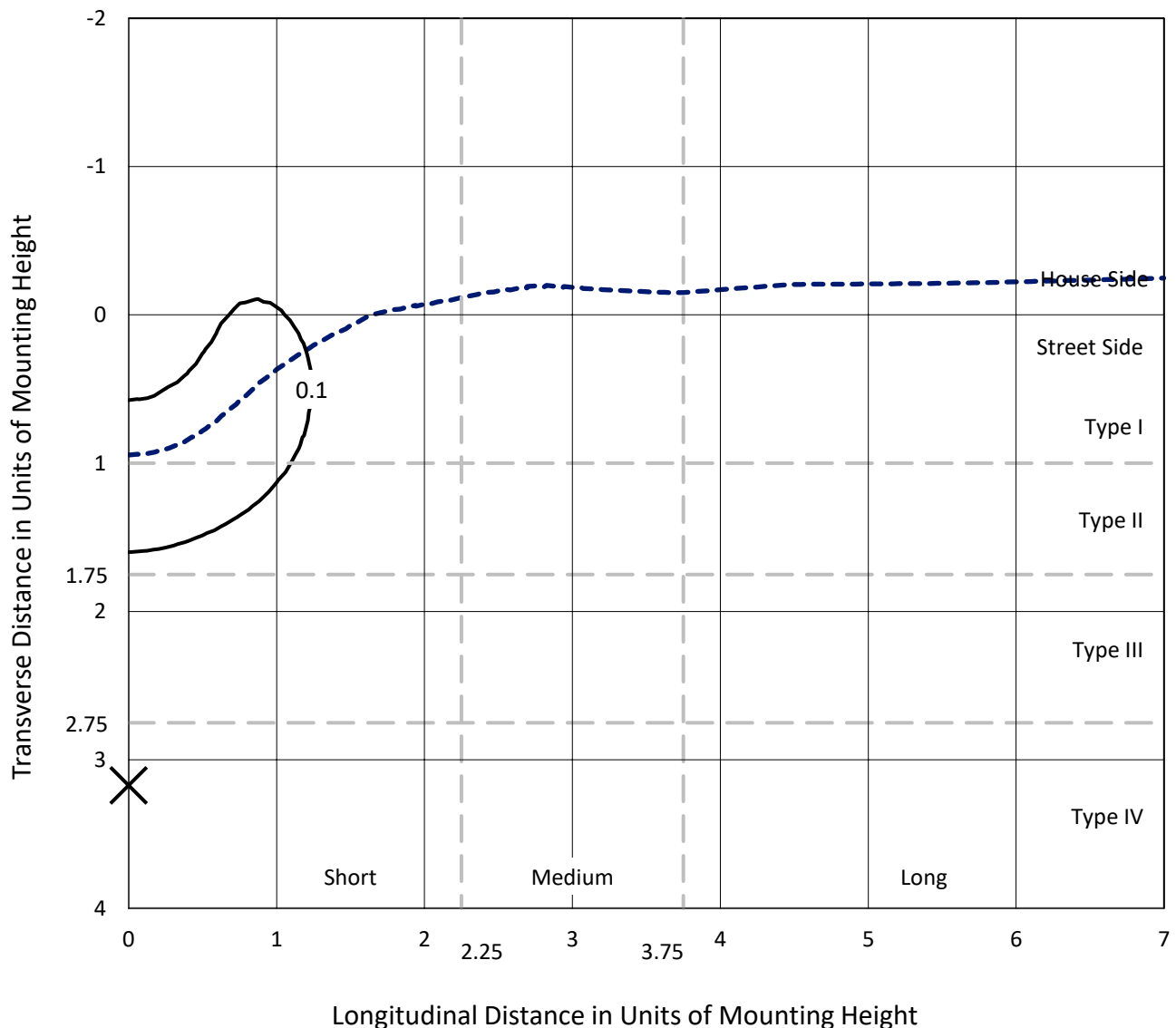


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Iso-Footcandle Lines of Horizontal Illumination

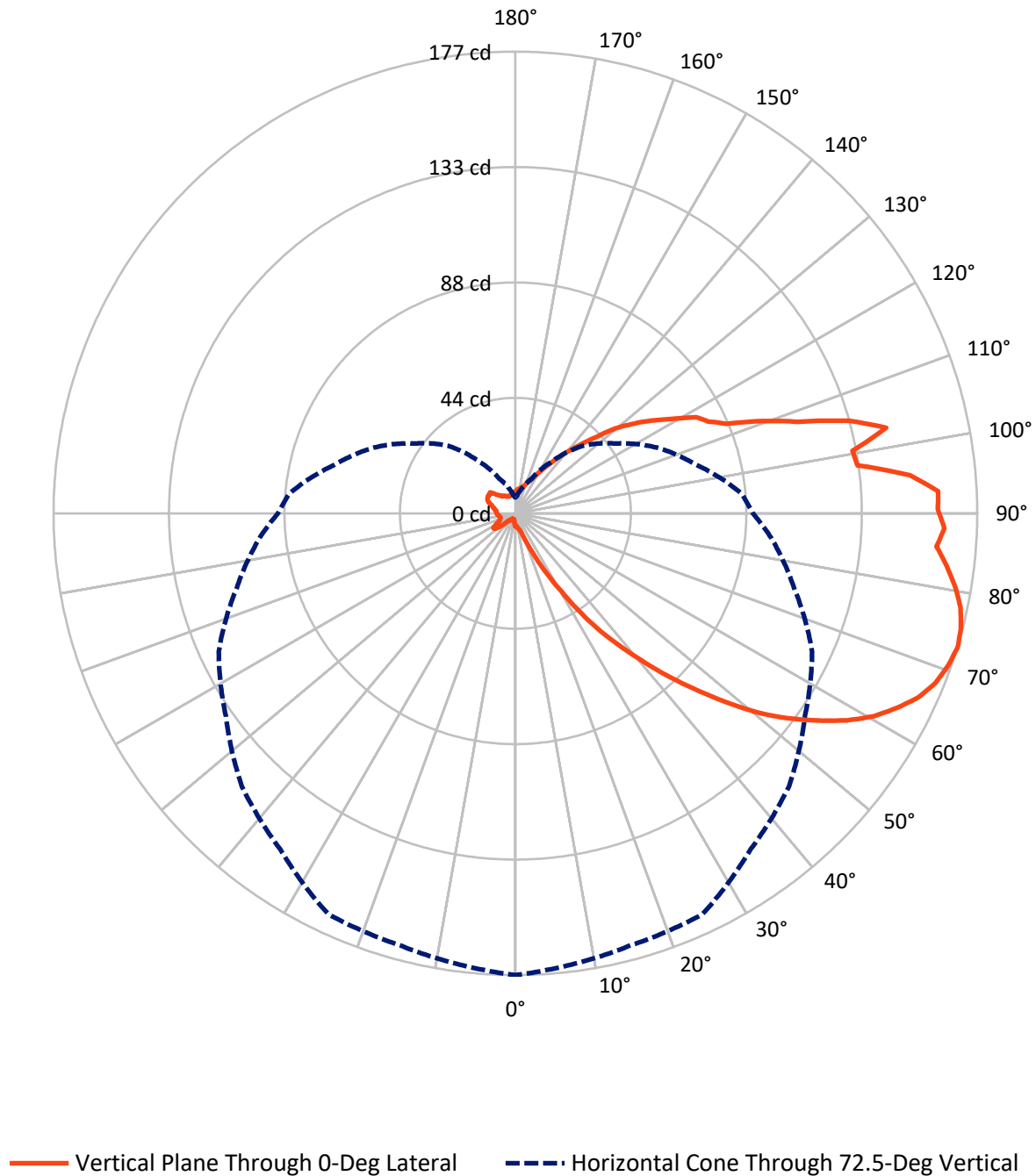
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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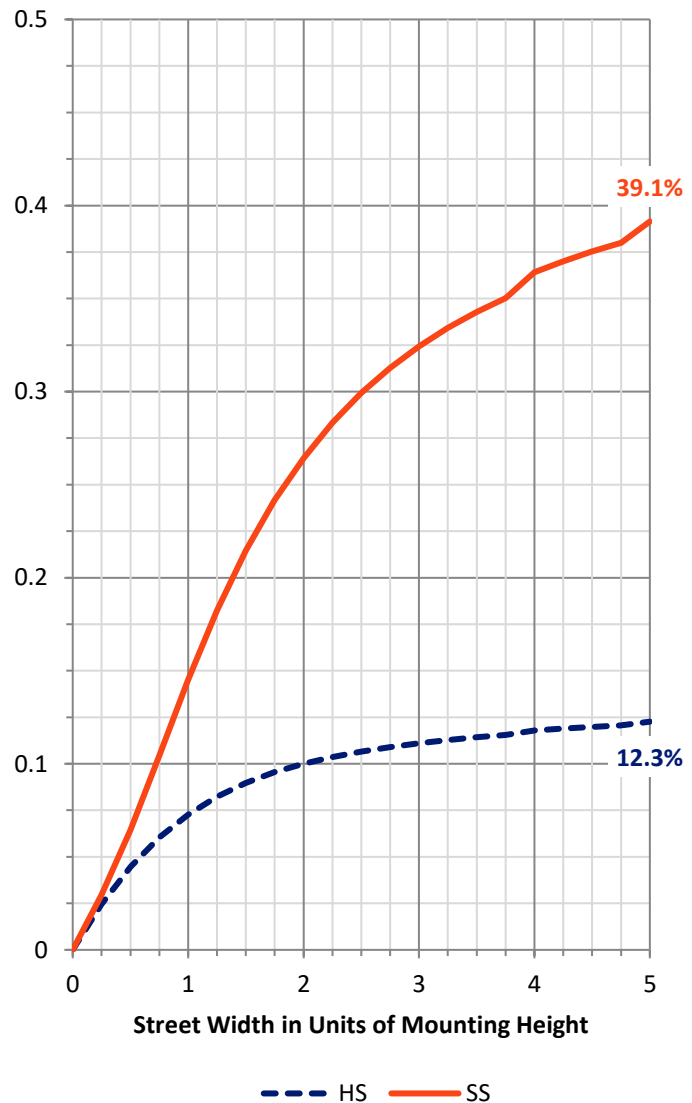
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	97.2	79.5	176.7
	% Fixture	13.4	11.0	24.4
Street Side	Lumens	331.9	216.0	547.9
	% Fixture	45.8	29.8	75.6
Total	Lumens	429.1	295.5	724.7
	% Fixture	59.2	40.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.1
10°-20°	1.5	0.2
20°-30°	6.9	1.0
30°-40°	22.8	3.2
40°-50°	46.1	6.4
50°-60°	70.8	9.8
60°-70°	89.0	12.3
70°-80°	96.0	13.3
80°-90°	95.4	13.2
90°-100°	86.6	11.9
100°-110°	76.8	10.6
110°-120°	52.4	7.2
120°-130°	37.2	5.1
130°-140°	22.5	3.1
140°-150°	11.4	1.6
150°-160°	5.4	0.7
160°-170°	2.5	0.3
170°-180°	0.8	0.1
0°-90°	429.1	59.2
0°-180°	724.7	100.0



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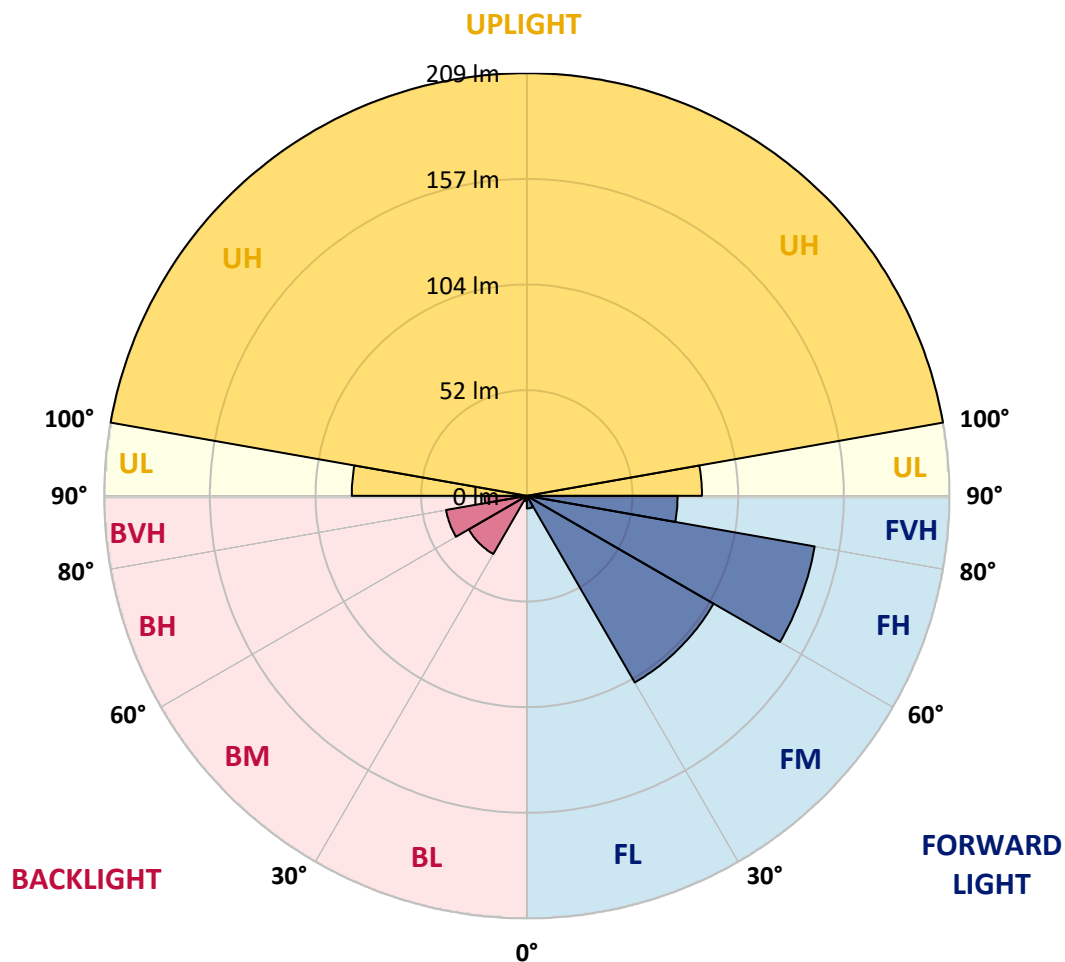
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6.3	0.9			
FM	(30°-60°)	106.6	14.7			
FH	(60°-80°)	144.5	19.9			G0/660
FVH	(80°-90°)	74.5	10.3			G1/100
BL	(0°-30°)	2.6	0.4	B0/110		
BM	(30°-60°)	33.2	4.6	B0/220		
BH	(60°-80°)	40.5	5.6	B0/110		G0/110
BVH	(80°-90°)	20.9	2.9			G1/100
UL	(90°-100°)	86.6	11.9		U3/500	
UH	(100°-180°)	209.0	28.8		U3/500	

BUG Rating: B0-U3-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	4.8	4.7	4.8	4.8	4.7	4.9	5.0	5.2	5.2	5.2	5.2
5°	5.1	5.1	4.9	4.7	4.6	4.5	4.4	4.4	4.6	4.8	4.8
7.5°	5.4	5.4	5.3	5.2	4.9	4.8	4.6	4.4	4.2	4.0	3.8
10°	6.0	5.9	5.9	5.8	5.7	5.5	5.2	4.9	4.7	4.4	4.3
12.5°	6.4	6.4	6.3	6.1	5.9	5.7	5.5	5.1	4.8	4.6	4.4
15°	6.8	6.8	6.7	6.6	6.4	6.1	5.9	5.5	5.2	5.0	4.9
17.5°	8.2	8.1	8.1	7.8	7.6	7.4	7.2	7.2	6.8	6.4	6.1
20°	11.3	11.2	10.8	10.5	10.1	10.2	10.1	10.2	9.6	9.1	8.7
22.5°	15.5	15.3	15.1	14.9	14.5	14.5	14.4	14.4	13.9	12.9	12.1
25°	20.5	20.4	20.6	21.0	20.8	20.7	20.4	19.9	19.4	17.9	16.9
27.5°	27.0	26.9	27.2	28.3	28.2	28.4	27.9	27.3	25.7	23.9	22.6
30°	34.8	35.2	35.0	36.8	37.4	37.2	36.8	36.0	33.4	30.8	29.0
32.5°	44.2	44.2	43.9	45.5	46.3	47.0	46.5	44.5	41.9	38.2	35.8
35°	54.4	53.6	53.7	55.6	56.3	57.4	56.5	54.3	50.5	46.1	42.8
37.5°	63.8	63.9	64.2	65.4	67.0	67.4	65.8	64.0	59.6	53.8	49.6
40°	73.8	74.8	74.9	75.7	77.6	77.9	76.0	73.2	67.9	60.8	56.2
42.5°	84.8	84.8	85.6	85.8	87.6	87.4	84.9	80.9	75.0	67.0	62.0
45°	95.8	95.6	95.7	96.7	97.2	96.3	92.9	87.7	80.6	72.0	66.6
47.5°	107.7	108.1	107.2	107.3	107.0	105.0	100.2	93.7	85.9	76.0	70.9
50°	119.8	120.2	119.1	117.9	115.5	113.2	107.4	100.1	90.9	80.7	74.7
52.5°	130.4	130.3	129.8	127.3	123.5	120.9	114.5	106.4	96.2	85.2	78.7
55°	140.0	139.6	137.8	135.8	132.7	128.4	120.9	110.2	100.8	89.1	83.5
57.5°	149.6	149.0	145.8	142.6	140.0	133.9	126.8	113.7	103.7	92.3	87.4
60°	157.7	156.0	154.3	149.3	145.1	138.5	130.7	117.9	106.1	95.1	89.7
62.5°	164.0	162.3	161.3	156.2	149.4	141.7	133.3	121.2	108.8	96.7	91.4
65°	169.7	168.5	167.0	162.4	153.6	144.6	134.9	124.0	110.5	98.1	92.5
67.5°	173.4	172.4	170.0	167.7	156.5	147.8	136.5	126.3	112.5	99.4	93.0
70°	175.5	174.0	170.8	169.3	157.1	148.3	135.7	126.4	112.1	99.3	92.4
72.5°	176.8	174.9	171.2	169.4	157.0	148.0	135.3	125.3	110.4	97.7	90.9
73°	176.8	175.1	171.3	169.3	156.9	148.0	135.6	125.1	110.1	97.5	90.8
75°	176.1	174.3	170.9	167.8	157.1	147.9	136.1	124.5	109.6	97.0	90.5
77.5°	174.2	170.7	169.3	165.8	156.4	147.2	136.1	124.8	110.2	97.2	91.5
80°	170.7	166.5	166.5	161.7	153.7	144.7	134.3	123.4	108.5	96.1	91.4
82.5°	166.4	162.5	162.8	158.5	151.1	142.0	132.2	122.4	107.5	96.2	91.3
85°	161.7	158.5	159.7	155.9	148.5	139.9	131.0	121.0	107.0	95.6	91.1
87.5°	164.3	162.6	162.4	158.7	150.2	141.9	133.2	122.1	109.0	96.9	92.4
90°	161.7	159.1	158.9	155.1	146.8	137.9	128.9	118.1	106.4	95.1	90.6
92.5°	162.0	158.7	156.8	154.2	145.9	137.6	127.9	116.9	105.2	94.0	89.9
95°	151.8	144.4	145.2	140.6	136.6	128.5	119.7	109.9	99.6	89.9	86.1
97.5°	132.2	130.2	129.3	126.3	121.0	114.5	106.3	98.9	88.5	79.3	75.9
100°	131.2	132.5	129.0	128.7	121.5	114.4	105.0	99.5	89.2	80.1	74.3
102.5°	145.7	145.6	141.7	141.5	136.5	130.0	119.0	114.9	103.1	91.3	85.6
105°	132.6	132.2	128.2	123.7	124.0	121.7	111.7	108.2	98.0	87.8	83.8
107.5°	113.4	114.3	110.3	107.3	106.4	105.7	98.1	93.4	83.7	76.1	71.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	100.9	100.8	99.5	97.2	96.9	96.6	90.6	85.7	78.5	71.7	66.3
112.5°	87.8	87.6	87.1	87.6	85.5	85.4	80.5	77.0	72.1	65.3	60.3
115°	81.7	81.6	81.4	80.8	80.3	80.4	75.6	72.6	68.1	61.1	56.3
117.5°	78.4	76.0	77.0	76.2	76.0	75.4	71.1	68.2	64.3	58.0	53.8
120°	71.5	69.7	71.9	70.7	70.5	69.6	66.4	64.4	60.5	55.4	51.6
122.5°	65.6	64.1	66.3	65.6	65.8	64.7	61.5	60.1	56.3	51.8	49.3
125°	60.5	58.7	61.0	60.9	61.4	59.6	56.9	55.3	53.2	49.0	46.5
127.5°	55.0	54.0	55.9	55.5	56.1	54.0	52.6	50.5	48.9	45.6	43.8
130°	50.0	48.9	50.1	49.8	50.7	49.3	48.1	46.5	45.3	42.2	40.3
132.5°	43.3	42.6	44.2	43.1	44.9	44.4	43.0	41.6	40.3	38.3	36.4
135°	38.2	38.0	39.4	38.5	40.1	40.3	38.8	37.5	36.5	34.4	32.7
137.5°	33.6	33.1	34.7	34.2	35.5	35.6	34.6	33.4	32.6	30.7	29.5
140°	29.9	29.2	30.0	30.0	31.0	31.1	30.1	29.8	29.0	27.1	26.1
142.5°	26.1	25.0	26.2	26.1	26.6	26.8	26.1	25.8	25.1	23.7	22.8
145°	22.8	22.0	22.6	22.5	23.0	23.3	22.9	22.6	21.9	20.5	20.0
147.5°	20.0	19.3	19.8	19.6	20.1	20.3	19.9	19.8	19.1	18.0	17.6
150°	17.6	16.9	17.4	17.1	17.5	17.5	17.3	17.2	16.5	15.7	15.2
152.5°	15.4	15.0	15.3	15.2	15.4	15.3	15.2	14.9	14.6	13.9	13.5
155°	13.8	13.6	13.9	13.7	13.8	13.7	13.5	13.4	13.0	12.5	12.2
157.5°	12.8	12.5	12.7	12.5	12.5	12.4	12.1	12.0	11.8	11.3	11.0
160°	11.8	11.5	11.6	11.5	11.4	11.3	11.2	10.9	10.7	10.3	10.2
162.5°	10.9	10.7	10.8	10.7	10.6	10.4	10.2	10.1	9.8	9.5	9.3
165°	10.4	10.2	10.3	10.2	10.1	9.9	9.7	9.5	9.3	9.1	8.9
167.5°	10.0	9.9	9.9	9.7	9.8	9.6	9.5	9.2	9.1	8.8	8.7
170°	9.5	9.3	9.4	9.3	9.2	9.1	9.0	8.8	8.7	8.5	8.4
172.5°	9.4	9.1	9.1	9.1	9.0	9.0	8.8	8.7	8.6	8.3	8.4
175°	9.0	8.9	8.8	8.8	8.8	8.7	8.6	8.6	8.3	8.3	8.2
177.5°	8.7	8.7	8.7	8.6	8.6	8.6	8.5	8.4	8.3	8.2	8.2
180°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	5.2	5.2	5.2	5.2	5.0	4.9	4.9	4.8	4.7	4.7
5°	4.7	4.5	4.2	4.2	4.1	4.1	3.9	3.9	3.9	3.8
7.5°	3.7	3.7	3.7	3.4	3.2	3.0	2.9	3.1	3.2	3.2
10°	4.2	3.9	3.6	3.4	3.1	2.9	3.0	3.0	2.9	2.9
12.5°	4.2	4.0	3.6	3.2	3.1	2.9	2.7	2.6	2.5	2.5
15°	4.6	4.2	3.8	3.4	3.0	2.8	2.6	2.6	2.5	2.4
17.5°	5.8	5.3	4.6	3.8	3.3	2.9	2.7	2.6	2.6	2.5
20°	8.2	7.2	6.2	5.1	4.0	3.1	2.8	2.6	2.7	2.5
22.5°	11.5	9.9	8.4	6.7	5.0	3.7	2.9	2.5	2.4	2.4
25°	15.8	13.3	11.0	8.7	6.5	4.8	3.5	2.7	2.5	2.5
27.5°	21.0	17.6	14.2	10.9	8.1	5.9	4.1	3.0	2.4	2.4
30°	26.9	22.8	18.1	13.7	10.2	7.3	5.1	3.5	2.5	2.5
32.5°	33.1	28.1	22.7	17.1	12.3	8.8	6.1	4.1	2.9	2.6
35°	39.8	33.6	27.3	20.5	14.9	10.2	7.2	4.5	3.1	2.9
37.5°	45.8	38.9	31.7	23.8	17.3	11.7	8.2	4.9	3.4	3.2
40°	52.0	43.9	35.8	27.0	19.7	13.5	8.9	5.3	3.7	3.5
42.5°	57.5	48.0	39.5	29.4	21.5	15.1	9.6	5.6	4.0	3.8
45°	62.3	51.8	43.2	32.3	23.7	17.1	10.9	6.4	4.6	4.4
47.5°	66.5	55.8	46.5	34.9	26.1	19.3	12.9	7.7	6.1	6.0
50°	70.2	59.7	49.5	38.1	28.2	21.1	13.6	9.1	8.5	8.0
52.5°	73.9	62.8	51.7	41.0	30.6	22.8	14.7	10.3	9.5	9.4
55°	77.7	66.1	53.9	42.6	32.3	23.7	15.7	10.9	9.8	10.0
57.5°	79.4	69.0	56.2	43.9	33.9	24.3	16.2	10.7	9.7	10.0
60°	80.9	71.1	57.5	44.9	35.4	25.0	16.2	11.2	9.1	8.8
62.5°	82.9	71.7	58.3	45.1	35.5	25.7	15.7	11.4	8.3	7.7
65°	84.5	71.8	59.0	45.9	35.4	26.0	15.3	11.1	7.5	6.7
67.5°	86.7	72.4	59.8	46.4	35.7	25.9	14.9	10.8	6.9	6.5
70°	87.6	72.6	60.0	46.5	36.2	25.3	14.6	10.2	6.7	6.2
72.5°	86.9	71.7	59.6	46.6	36.6	24.1	14.6	10.0	6.6	6.1
73°	86.7	71.5	59.5	46.5	36.6	23.9	14.4	9.9	6.6	6.0
75°	85.9	70.9	59.3	45.9	36.0	23.1	14.1	9.7	6.5	5.9
77.5°	85.6	70.7	59.5	45.2	35.3	22.5	13.9	9.4	6.7	6.1
80°	84.5	69.8	59.4	44.9	34.7	22.2	13.7	9.4	6.7	6.3
82.5°	84.0	69.0	59.3	44.2	34.2	21.5	13.3	9.3	6.7	6.4
85°	83.3	68.5	59.5	44.3	33.9	21.4	13.3	9.4	6.9	6.7
87.5°	84.5	69.3	60.6	45.4	34.5	21.5	13.3	9.6	7.1	6.9
90°	82.6	68.7	59.7	45.5	34.9	21.8	13.6	9.8	7.4	7.1
92.5°	80.7	67.8	58.8	45.0	34.5	22.0	13.9	10.1	7.6	7.3
95°	78.0	67.2	58.7	44.8	35.3	23.1	13.9	10.2	7.5	7.3
97.5°	68.5	59.2	51.5	39.1	31.3	20.4	12.7	9.8	7.7	7.4
100°	67.0	58.1	49.2	36.6	29.0	19.5	12.2	9.7	8.0	7.8
102.5°	78.1	67.7	56.6	41.6	32.7	21.9	13.2	10.6	8.5	8.3
105°	75.3	69.2	58.1	42.6	34.9	22.9	14.1	11.1	9.0	8.7
107.5°	64.8	59.8	49.5	38.4	31.8	22.2	14.3	11.3	9.4	9.2

REPORT NUMBER: P1175331

CATALOG NUMBER: FFX-CLB-40-AMB-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	60.4	55.3	45.8	36.8	29.9	20.8	14.5	11.5	10.0	9.8
112.5°	55.1	50.1	42.9	34.4	27.1	18.9	14.5	11.8	11.0	10.9
115°	51.4	46.3	40.4	32.5	25.5	18.7	14.8	11.9	11.2	11.6
117.5°	49.2	43.9	38.3	31.1	25.7	19.1	16.0	12.4	12.0	12.0
120°	46.9	41.8	37.2	30.4	25.6	19.2	16.4	12.9	12.4	12.2
122.5°	44.9	39.6	35.7	30.2	24.7	19.7	16.2	13.6	12.6	12.3
125°	42.4	37.5	33.8	29.3	24.1	19.3	16.2	14.2	12.5	12.4
127.5°	40.2	35.5	32.3	28.0	23.1	19.5	16.0	14.3	12.4	12.1
130°	37.4	33.2	30.4	26.3	22.1	18.5	15.2	13.4	12.6	12.6
132.5°	34.3	30.5	27.4	24.1	20.0	17.1	14.2	12.0	11.5	11.5
135°	31.3	27.9	24.8	22.4	18.7	15.9	13.3	11.3	10.4	10.2
137.5°	28.2	25.2	22.1	20.2	17.0	14.3	12.2	10.6	9.6	9.5
140°	24.9	22.4	19.8	18.1	15.7	13.1	11.4	9.8	8.9	9.0
142.5°	21.8	19.6	17.7	16.2	14.2	11.9	10.4	9.2	8.5	8.3
145°	19.3	17.5	16.0	14.5	12.9	11.0	9.7	8.8	8.2	8.0
147.5°	17.0	15.6	14.3	13.0	11.7	10.2	9.2	8.4	7.9	8.0
150°	14.8	13.7	12.7	11.6	10.5	9.5	8.6	8.0	7.6	7.6
152.5°	13.0	12.3	11.3	10.6	9.5	8.7	8.1	7.6	7.3	7.3
155°	11.7	11.1	10.2	9.6	8.9	8.2	7.8	7.5	7.2	7.3
157.5°	10.7	10.1	9.6	8.9	8.4	7.8	7.5	7.2	7.1	7.0
160°	9.9	9.4	8.9	8.4	8.1	7.5	7.3	7.2	7.0	7.1
162.5°	9.1	8.7	8.3	8.0	7.6	7.3	7.1	7.0	7.0	6.9
165°	8.7	8.4	8.1	7.9	7.5	7.4	7.2	7.1	7.1	7.2
167.5°	8.6	8.3	8.1	7.9	7.7	7.6	7.5	7.3	7.3	7.3
170°	8.3	8.1	7.9	7.8	7.6	7.5	7.5	7.4	7.3	7.4
172.5°	8.2	8.1	8.0	7.8	7.8	7.8	7.7	7.6	7.7	7.6
175°	8.2	8.2	8.0	8.0	8.0	7.9	7.9	7.9	7.9	7.9
177.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
180°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3

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

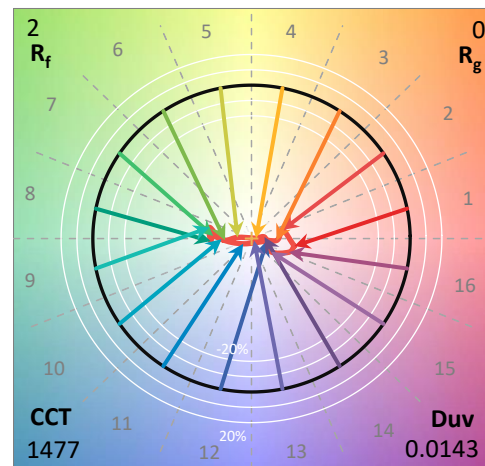
Data in this report applies to families of products including FFX-CLB-AMB-U-FR-T5

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

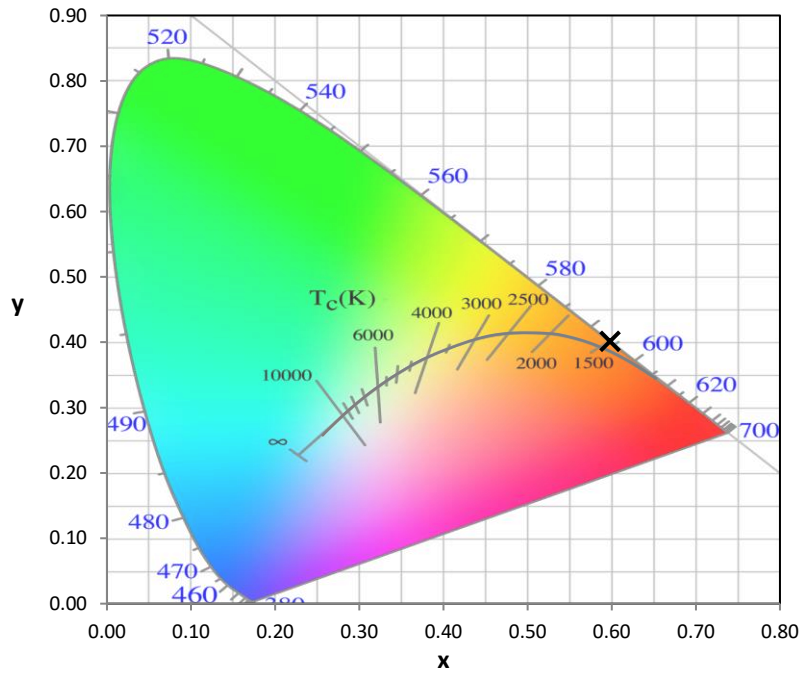
Stabilization Time: 152M
 Operation Time: 3H 32M
 Sphere Temperature (°C): 24.9

REPORT NUMBER: SP1-2501-332-6

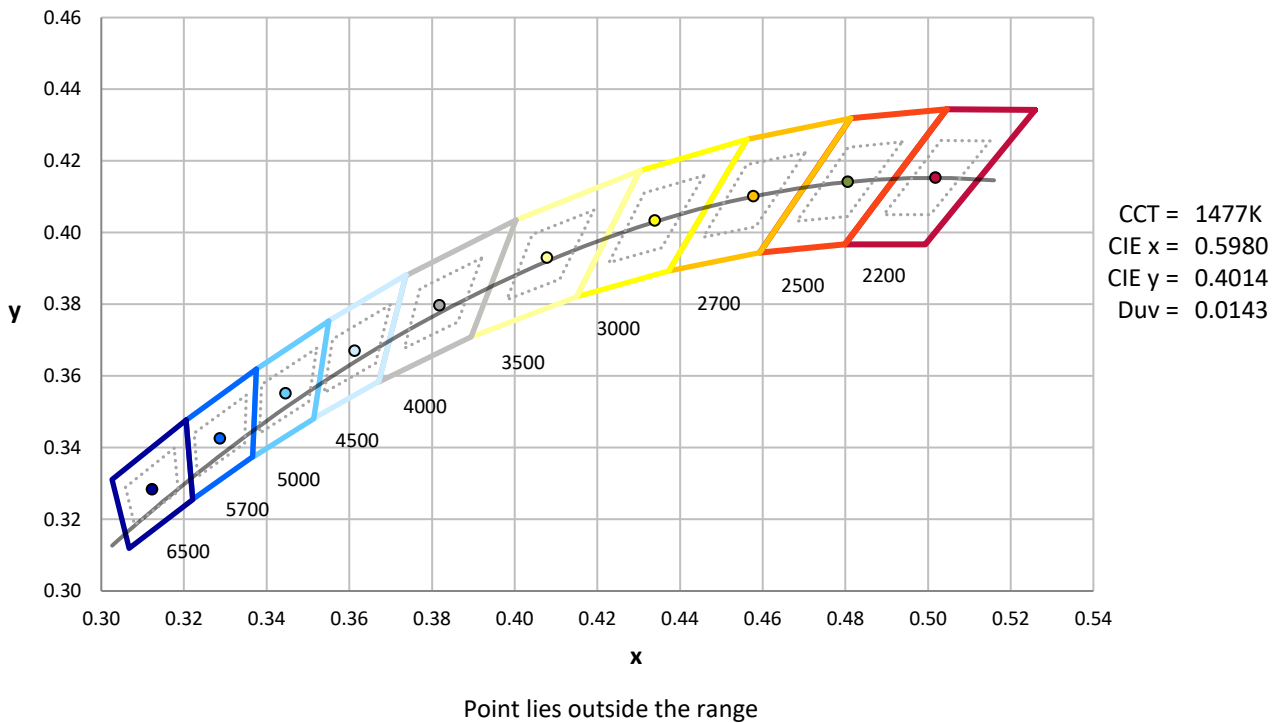
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

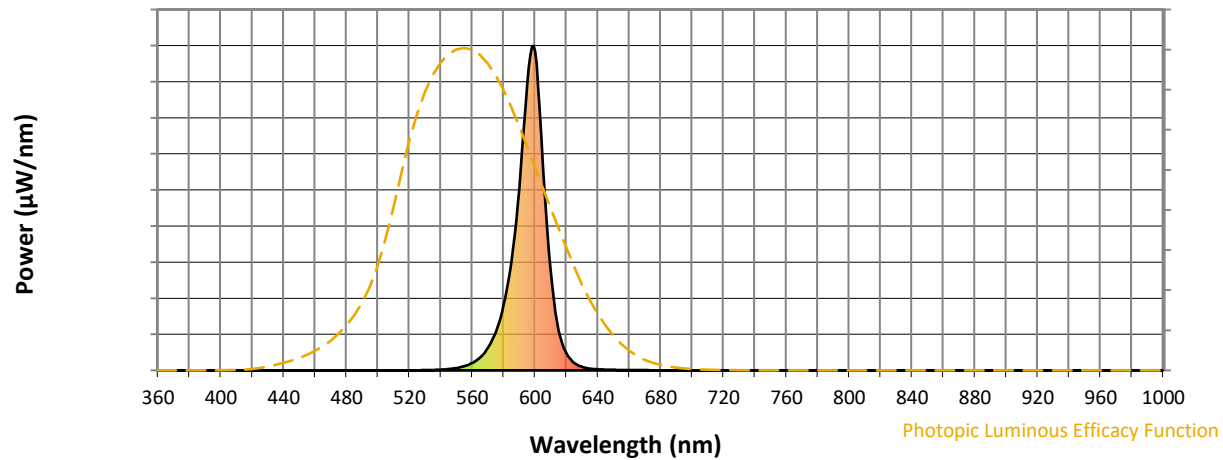


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2501-332-6

Photopic Flux vs. Wavelength

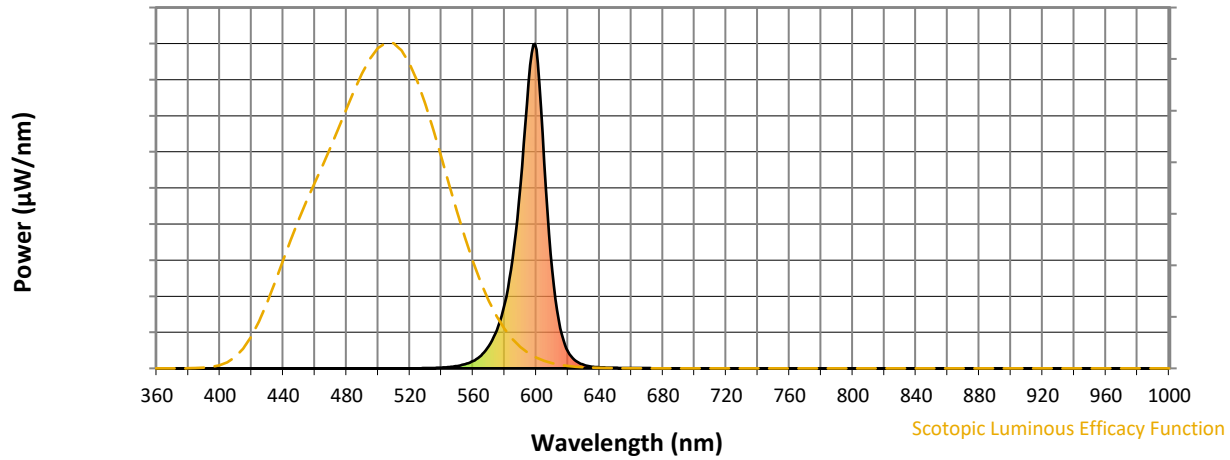


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength



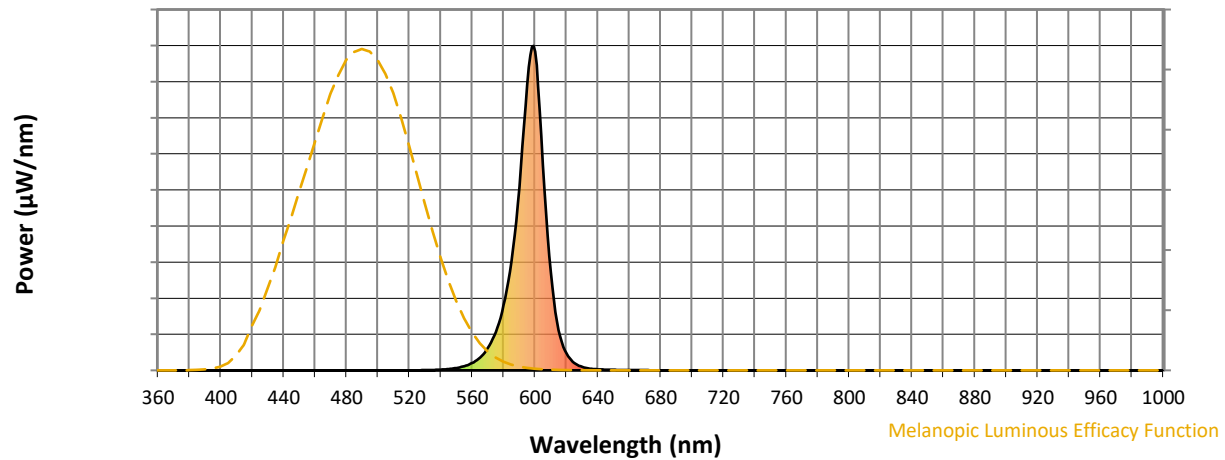
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 0.11

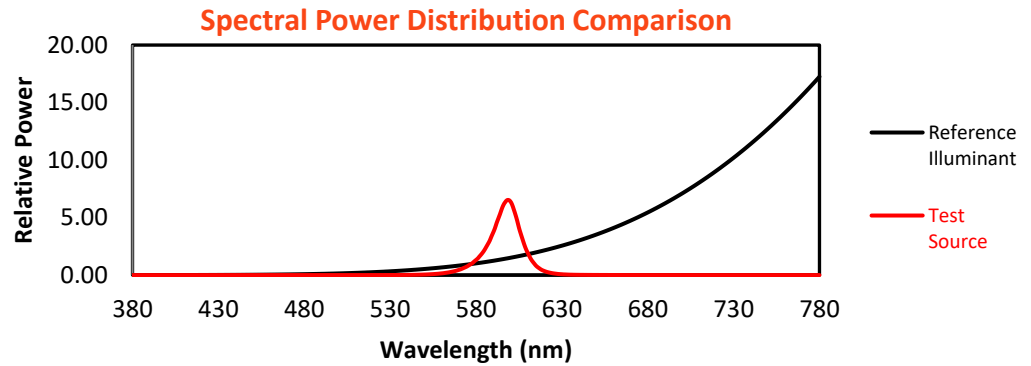
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	0	NR	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			

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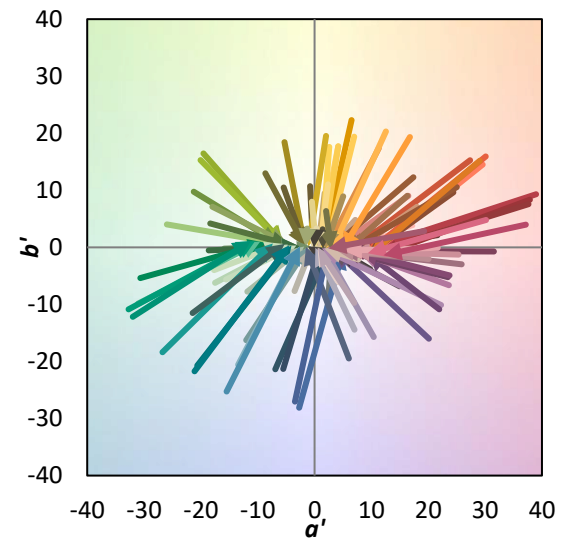
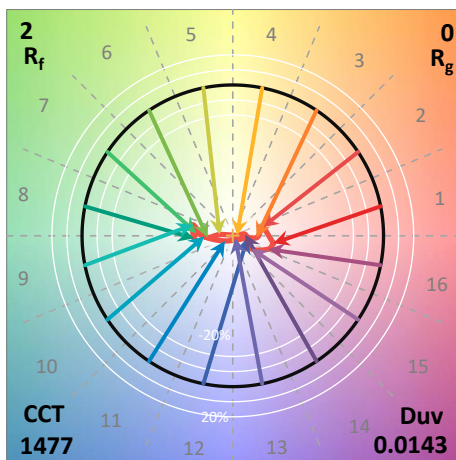
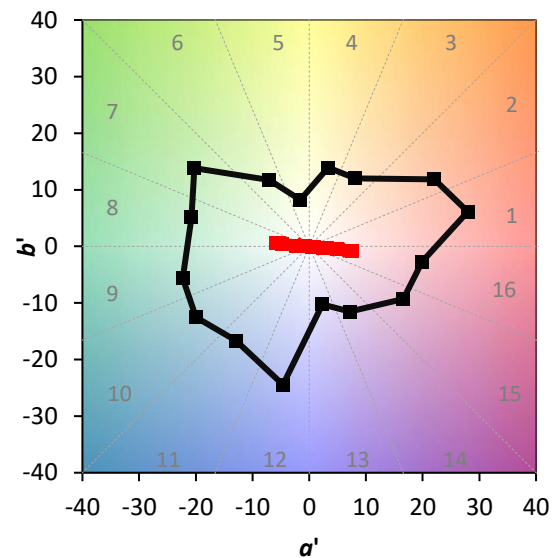
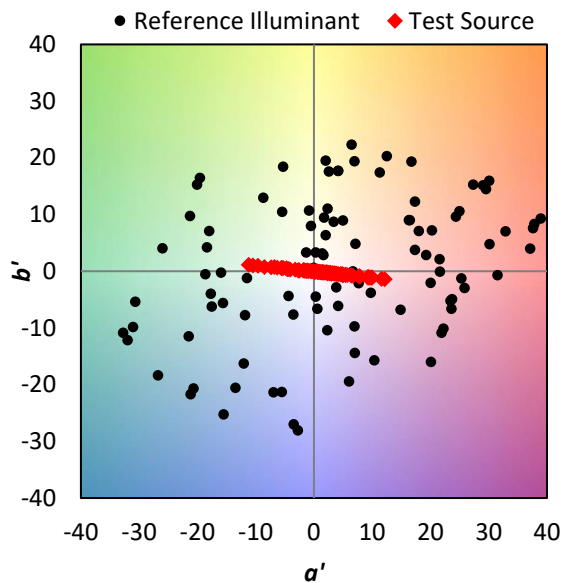
TM-30-18

Summary

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

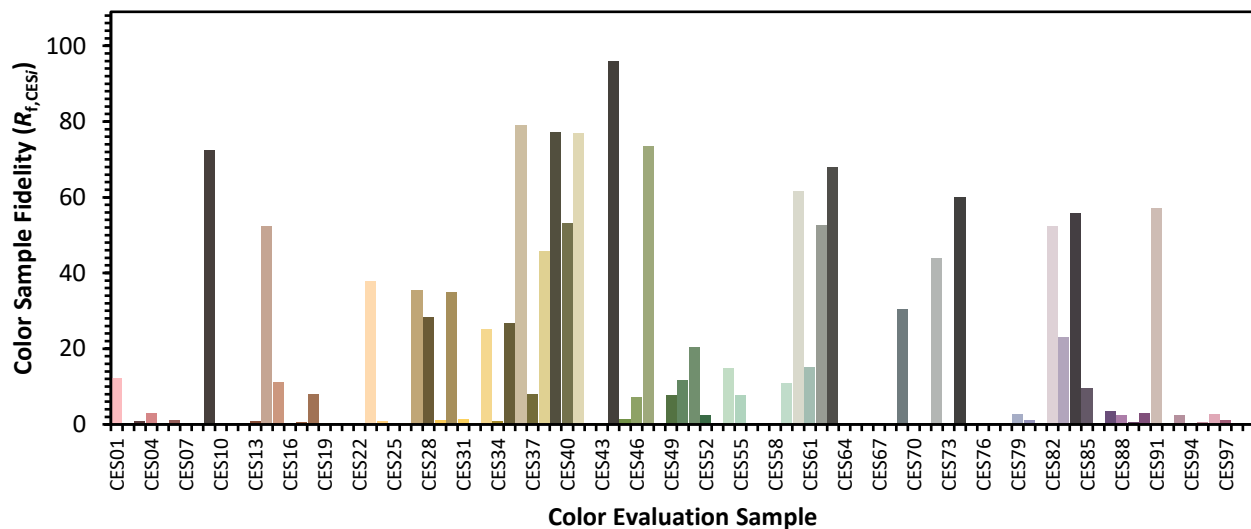


Color Vector Graphics

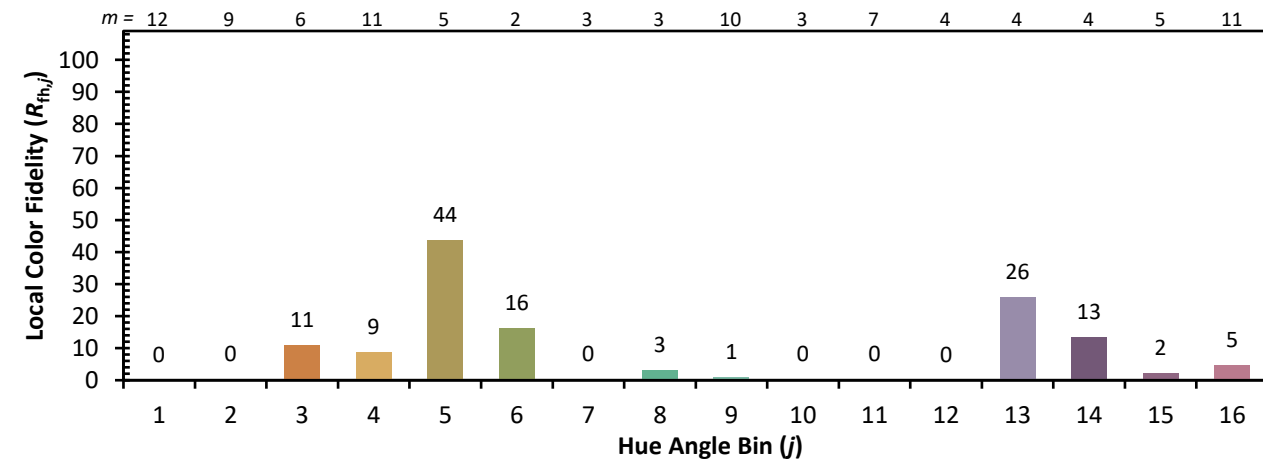
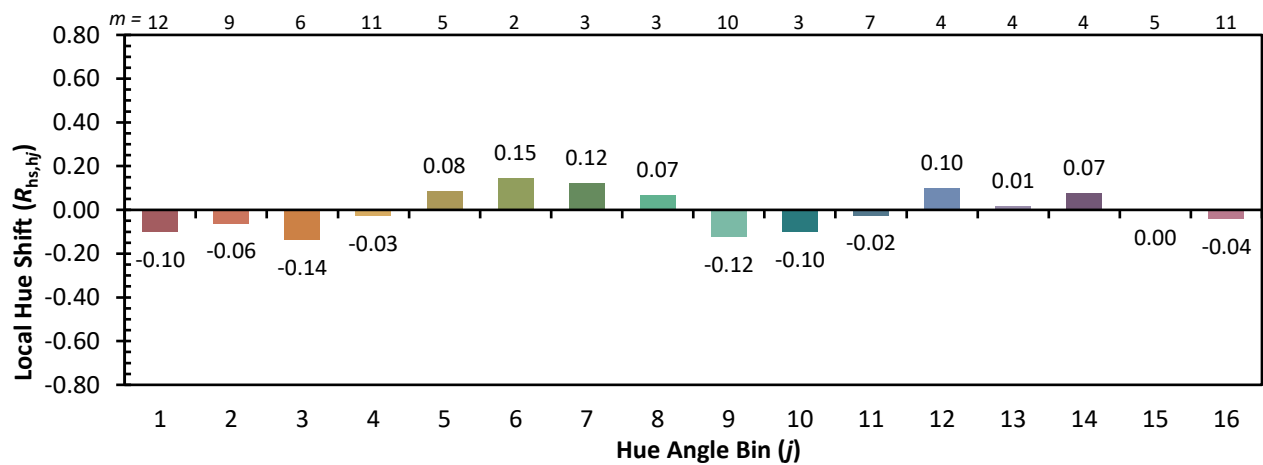
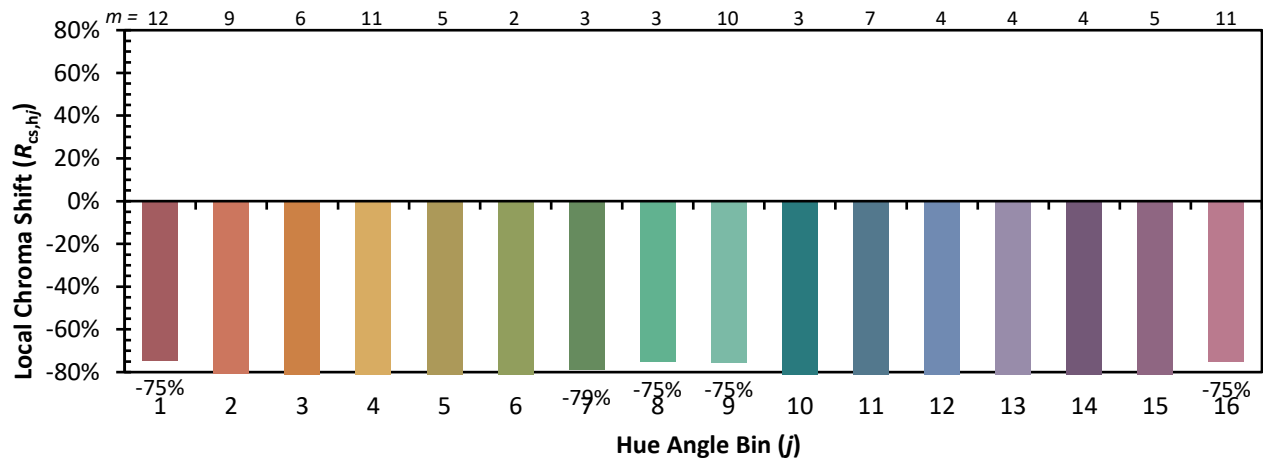


Individual Sample Fidelity Index ($R_{f,i}$)

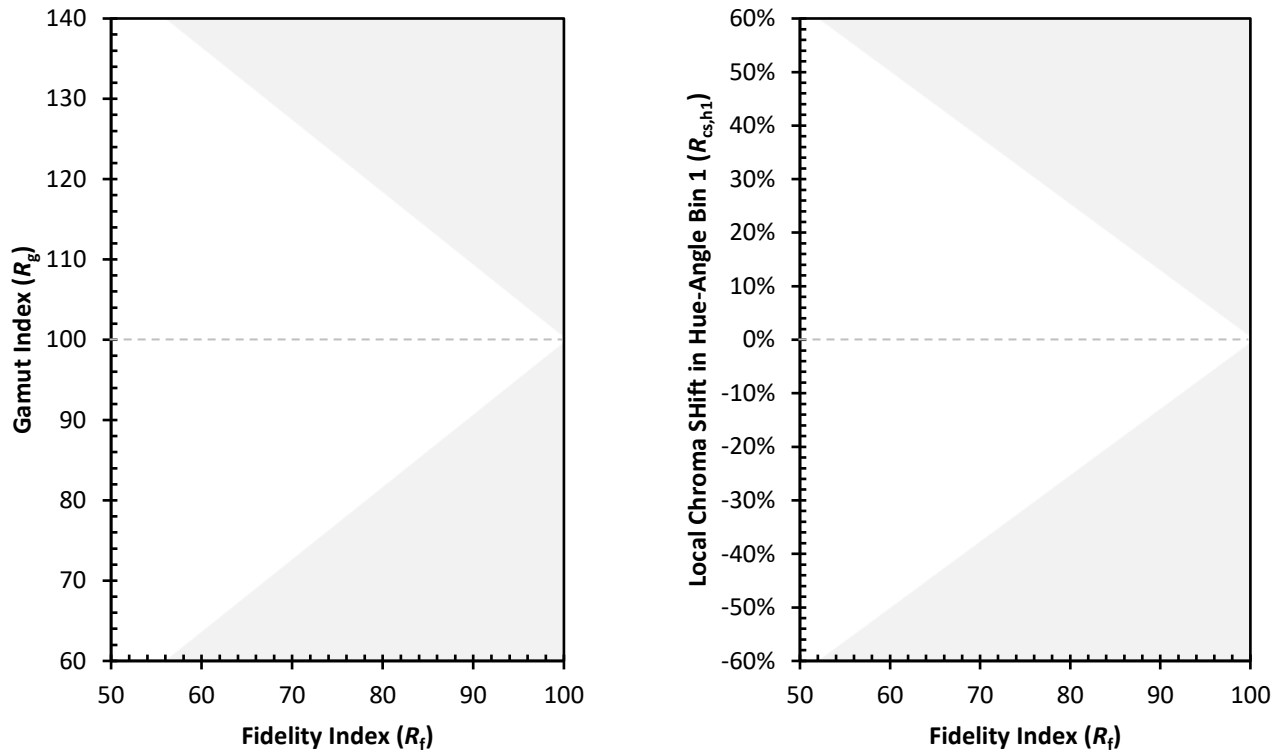
CES01 = 90	CES26 = 0	CES51 = 20	CES76 = 0
CES02 = 70	CES27 = 35	CES52 = 3	CES77 = 0
CES03 = 31	CES28 = 28	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 1	CES54 = 15	CES79 = 3
CES05 = 52	CES30 = 35	CES55 = 8	CES80 = 1
CES06 = 56	CES31 = 1	CES56 = 0	CES81 = 0
CES07 = 42	CES32 = 0	CES57 = 0	CES82 = 52
CES08 = 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)