

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: P1175330

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

Issue Date: 08/12/2025

Test Information

Test Method: LM-79-08
Report Number: P1175330
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-FG-T5-HSS
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED 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: 755.1 lumens
Efficiency: N/A
Efficacy: 18.0 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

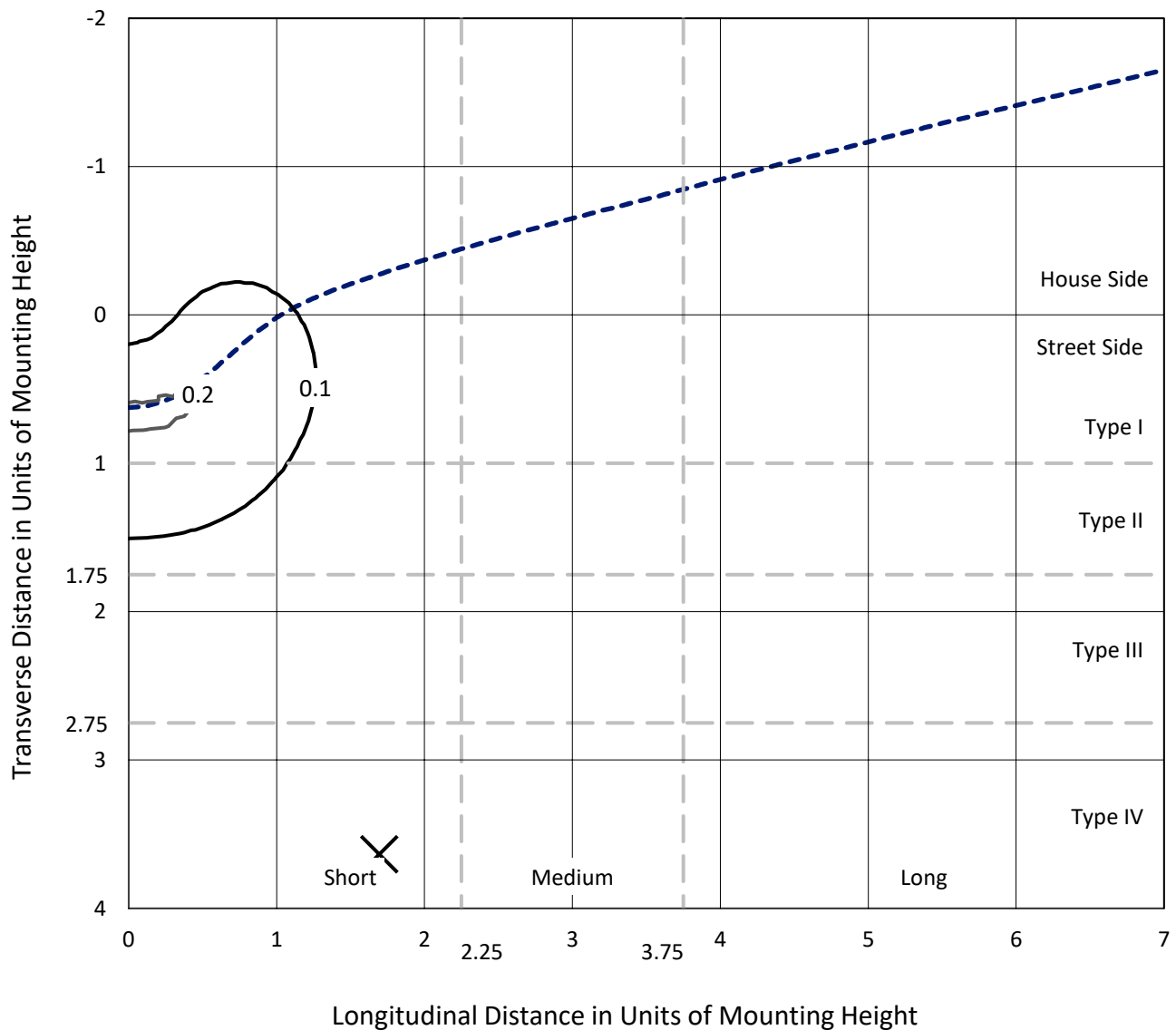


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Iso-Footcandle Lines of Horizontal Illumination

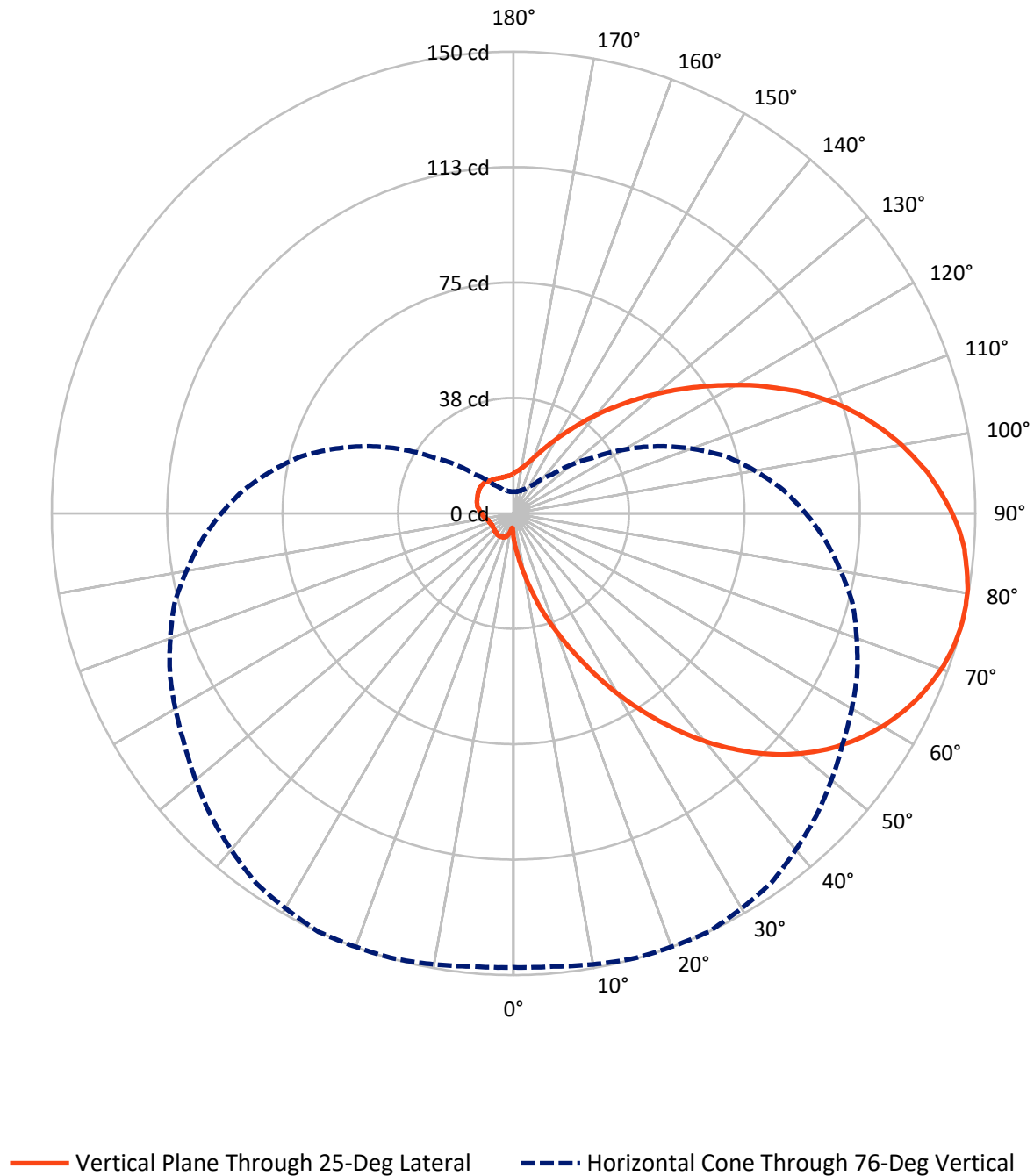
× Max cd
 - - - 1/2 Max cd



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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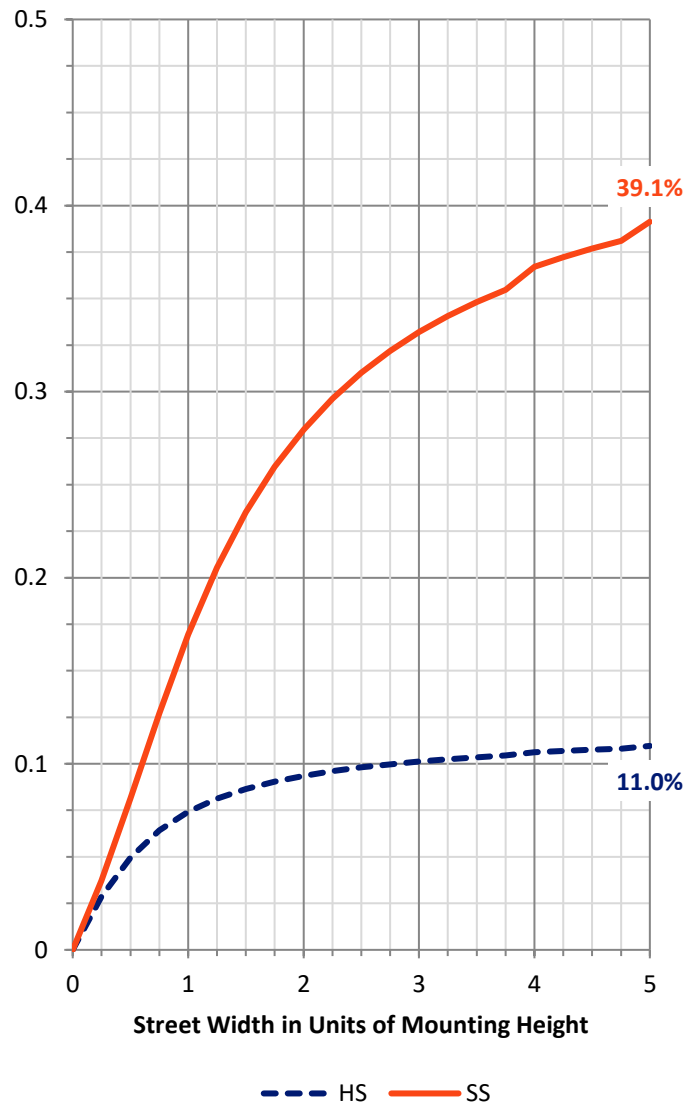
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	89.5	85.6	175.1
	% Fixture	11.9	11.3	23.2
Street Side	Lumens	340.6	239.4	580.0
	% Fixture	45.1	31.7	76.8
Total	Lumens	430.1	325.0	755.1
	% Fixture	57.0	43.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.1
10°-20°	5.9	0.8
20°-30°	16.1	2.1
30°-40°	31.8	4.2
40°-50°	50.2	6.7
50°-60°	67.2	8.9
60°-70°	80.2	10.6
70°-80°	88.0	11.7
80°-90°	89.7	11.9
90°-100°	84.9	11.2
100°-110°	74.8	9.9
110°-120°	60.3	8.0
120°-130°	44.0	5.8
130°-140°	29.3	3.9
140°-150°	17.2	2.3
150°-160°	9.0	1.2
160°-170°	4.2	0.6
170°-180°	1.3	0.2
0°-90°	430.1	57.0
0°-180°	755.1	100.0



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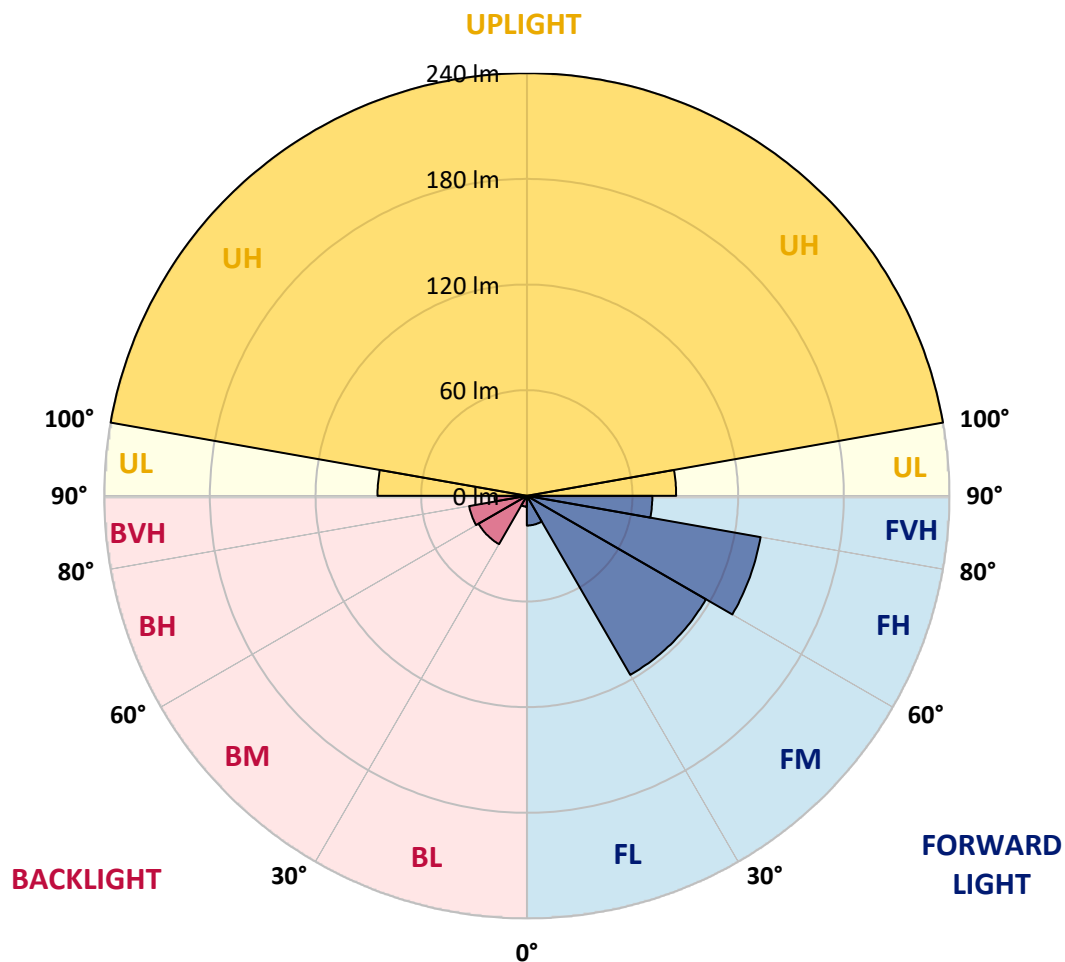
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	16.9	2.2			
FM	(30°-60°)	117.5	15.6			
FH	(60°-80°)	134.9	17.9			G0/660
FVH	(80°-90°)	71.3	9.4			G1/100
BL	(0°-30°)	6.2	0.8	B0/110		
BM	(30°-60°)	31.7	4.2	B0/220		
BH	(60°-80°)	33.3	4.4	B0/110		G0/110
BVH	(80°-90°)	18.4	2.4			G1/100
UL	(90°-100°)	84.9	11.2		U3/500	
UH	(100°-180°)	240.1	31.8		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°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2.5°	10.6	10.7	10.6	10.5	10.4	10.3	9.8	9.5	9.1	8.7	8.5
5°	13.7	13.9	13.7	13.4	13.2	12.8	12.1	11.3	10.6	9.9	9.4
7.5°	17.5	17.4	17.3	16.9	16.5	16.0	15.2	14.0	13.2	12.2	11.6
10°	21.5	21.7	21.5	20.9	20.5	20.2	19.0	17.7	16.7	15.2	14.5
12.5°	26.2	26.3	26.2	25.6	25.2	24.7	23.3	21.9	20.6	18.8	17.7
15°	31.4	31.5	31.3	31.1	30.4	30.0	28.4	26.8	25.1	22.9	21.5
17.5°	36.8	36.6	36.7	36.5	35.8	34.9	33.5	31.7	29.4	26.9	25.3
20°	42.5	42.5	42.4	42.1	41.6	40.6	38.9	36.7	34.0	31.3	29.3
22.5°	48.6	48.5	48.4	48.3	47.6	46.6	44.7	42.2	39.2	35.6	33.5
25°	55.2	54.9	55.1	54.9	54.2	53.1	51.1	48.2	44.7	40.8	38.3
27.5°	62.3	62.0	62.3	62.1	61.3	60.2	57.8	54.7	50.7	46.0	43.2
30°	69.3	69.1	69.4	69.3	68.5	67.2	64.7	61.1	56.4	51.2	47.9
32.5°	76.7	76.3	76.5	76.6	75.9	74.4	71.6	67.5	62.4	56.1	52.8
35°	83.8	83.6	83.7	83.9	83.2	81.5	78.4	74.1	68.2	61.3	57.5
37.5°	91.0	90.8	91.2	91.2	90.5	88.6	85.2	80.4	74.0	66.4	62.2
40°	98.0	97.7	98.2	98.4	97.5	95.3	91.6	86.3	79.5	71.1	66.5
42.5°	104.6	104.4	104.7	104.9	104.2	101.7	97.2	91.9	84.6	75.3	70.5
45°	110.9	110.7	111.1	111.4	110.4	107.5	102.9	96.9	89.1	79.5	74.1
47.5°	116.7	116.5	117.2	117.4	116.2	113.0	107.8	101.7	93.3	83.1	77.6
50°	121.9	121.8	122.6	122.8	121.5	117.7	112.1	105.7	97.2	86.3	80.6
52.5°	126.7	126.7	127.5	127.8	126.1	122.0	116.0	109.3	100.4	89.2	83.2
55°	131.0	131.0	131.9	132.1	130.2	125.8	119.5	112.4	103.4	91.7	85.5
57.5°	134.6	134.6	135.7	136.0	133.8	129.0	122.3	115.0	105.9	93.8	87.5
60°	137.9	138.0	139.3	139.4	137.0	131.7	124.8	117.4	108.0	95.9	89.2
62.5°	140.7	140.7	142.2	142.4	139.6	134.0	126.8	119.3	109.9	97.5	90.7
65°	143.1	143.1	144.7	144.9	141.9	136.0	128.5	120.9	111.5	98.8	92.0
67.5°	144.9	145.0	146.8	146.9	143.8	137.4	129.7	122.1	112.6	99.9	93.0
70°	146.3	146.5	148.4	148.6	145.2	138.6	130.6	123.0	113.6	100.8	93.9
72.5°	147.3	147.5	149.5	149.7	146.1	139.3	131.0	123.3	114.0	101.4	94.5
75°	147.8	148.0	150.1	150.3	146.5	139.5	131.0	123.5	114.3	101.8	95.0
76°	147.9	148.2	150.2	150.4	146.7	139.4	130.9	123.5	114.4	102.0	95.2
77.5°	147.8	148.2	150.3	150.4	146.7	139.3	130.8	123.3	114.4	102.1	95.4
80°	147.5	147.8	149.8	150.0	146.2	138.8	130.0	122.7	114.1	102.1	95.6
82.5°	146.5	146.7	148.8	148.7	145.1	137.5	128.8	121.7	113.5	101.9	95.4
85°	145.0	145.4	147.2	147.3	143.7	136.1	127.3	120.4	112.7	101.6	95.4
87.5°	143.1	143.4	145.2	145.1	141.7	134.1	125.5	118.8	111.5	100.9	94.9
90°	140.7	140.9	142.4	142.3	139.1	131.7	123.2	116.8	110.2	100.1	94.2
92.5°	137.8	138.1	139.2	139.0	136.1	128.8	120.7	114.6	108.5	99.1	93.4
95°	134.9	135.1	135.7	135.7	133.0	126.0	117.9	112.4	106.9	98.1	92.7
97.5°	131.4	131.4	131.6	131.6	129.3	122.6	115.1	110.0	105.1	96.7	91.5
100°	127.7	127.6	127.6	127.5	125.6	119.2	112.0	107.6	103.1	95.3	90.2
102.5°	123.4	123.3	122.9	122.9	121.5	115.4	108.9	104.8	100.9	93.6	88.6
105°	118.8	118.6	117.9	117.9	117.0	111.5	105.7	102.1	98.5	91.7	86.8
107.5°	114.1	113.5	112.4	112.8	112.0	107.2	102.2	99.1	95.8	89.5	84.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	108.5	108.1	106.7	107.1	106.6	102.4	98.5	95.9	92.9	86.8	82.4
112.5°	102.4	102.0	100.7	101.4	100.9	97.8	94.6	92.2	89.5	83.7	79.4
115°	96.2	95.7	94.5	94.8	94.8	92.4	90.0	88.2	85.8	80.3	76.2
117.5°	89.8	89.5	88.2	88.8	88.6	86.8	85.2	83.8	81.3	76.5	72.5
120°	83.9	83.3	82.3	82.3	82.4	81.4	80.4	79.3	77.2	72.5	68.8
122.5°	78.1	77.7	76.4	76.2	76.4	76.0	75.9	74.8	72.7	68.3	64.9
125°	72.2	71.7	70.6	70.3	70.6	70.7	71.1	70.3	68.2	64.2	61.0
127.5°	66.7	66.4	65.4	64.8	65.2	65.6	66.5	65.7	63.9	60.1	57.1
130°	61.4	61.0	60.0	59.4	59.8	60.7	61.5	61.2	59.4	56.0	53.3
132.5°	56.3	56.2	55.0	54.3	54.7	55.9	57.0	56.7	55.1	52.0	49.5
135°	51.5	51.2	50.3	49.4	49.9	51.3	52.6	52.4	50.8	48.0	45.7
137.5°	47.1	47.0	45.9	45.1	45.6	47.0	48.0	48.2	46.7	44.3	42.4
140°	42.6	42.4	41.6	40.9	41.3	42.4	43.8	44.0	42.6	40.5	38.8
142.5°	38.4	38.3	37.4	37.0	37.3	38.5	39.5	39.9	38.5	36.8	35.3
145°	34.3	34.4	33.8	33.4	33.6	34.7	35.5	35.9	34.7	33.3	31.9
147.5°	30.9	30.9	30.4	30.2	30.4	31.2	32.0	31.9	31.2	30.2	29.0
150°	27.8	27.9	27.5	27.4	27.6	28.2	28.7	28.8	28.1	27.2	26.3
152.5°	25.1	25.1	24.9	24.8	24.9	25.4	25.7	25.7	25.1	24.5	23.6
155°	22.7	22.8	22.7	22.6	22.7	23.0	23.2	23.2	22.7	22.2	21.5
157.5°	20.4	20.5	20.6	20.5	20.6	20.7	20.8	20.8	20.3	19.9	19.3
160°	19.0	18.9	18.9	18.9	18.9	19.0	19.0	18.9	18.5	18.2	17.8
162.5°	17.7	17.5	17.6	17.5	17.5	17.6	17.5	17.3	16.9	16.7	16.4
165°	16.5	16.5	16.5	16.4	16.4	16.4	16.3	16.2	15.8	15.6	15.3
167.5°	15.5	15.5	15.5	15.5	15.4	15.4	15.3	15.0	14.8	14.6	14.4
170°	14.9	14.9	15.0	14.8	14.7	14.7	14.6	14.4	14.1	14.0	13.8
172.5°	14.2	14.2	14.2	14.1	14.0	13.9	13.8	13.7	13.5	13.3	13.2
175°	13.7	13.7	13.7	13.8	13.6	13.5	13.5	13.3	13.2	13.0	12.9
177.5°	13.3	13.4	13.3	13.3	13.2	13.2	13.1	13.1	12.8	12.8	12.8
180°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2.5°	8.3	7.8	7.4	6.9	6.4	6.0	5.6	5.3	5.0	5.1
5°	8.9	8.2	7.4	6.7	6.0	5.4	4.7	4.2	4.0	4.0
7.5°	11.0	9.8	8.8	7.8	6.7	5.8	5.1	4.6	4.3	4.3
10°	13.7	12.2	10.7	9.3	8.0	6.8	5.9	5.3	5.1	5.0
12.5°	16.8	14.8	12.7	10.9	9.3	7.7	6.7	6.0	5.6	5.6
15°	20.3	17.9	15.1	12.8	10.6	8.7	7.4	6.5	6.0	5.9
17.5°	23.8	20.7	17.5	14.6	11.9	9.7	7.9	6.8	6.3	6.0
20°	27.4	23.8	20.0	16.3	13.1	10.3	8.3	6.9	6.3	6.1
22.5°	31.4	26.9	22.3	17.8	14.0	10.7	8.4	6.9	6.1	6.1
25°	35.5	30.2	24.7	19.4	14.9	11.2	8.5	6.8	6.1	6.0
27.5°	39.9	33.8	27.5	21.2	15.9	11.7	8.6	6.9	6.1	5.9
30°	44.3	37.2	29.9	22.7	16.6	12.0	8.7	6.8	5.9	5.8
32.5°	48.8	40.6	32.4	24.1	17.2	12.2	8.7	6.8	5.8	5.7
35°	53.2	43.9	34.7	25.5	17.8	12.2	8.7	6.5	5.6	5.5
37.5°	57.5	47.0	36.9	26.8	18.4	12.4	8.7	6.6	5.6	5.5
40°	61.4	50.1	39.0	27.9	18.8	12.4	8.5	6.5	5.6	5.4
42.5°	65.0	53.1	40.8	28.9	19.2	12.5	8.5	6.4	5.6	5.5
45°	68.3	55.6	42.4	29.6	19.3	12.3	8.3	6.3	5.4	5.3
47.5°	71.5	58.0	44.1	30.4	19.5	12.4	8.4	6.4	5.5	5.4
50°	74.1	60.1	45.3	30.8	19.5	12.2	8.3	6.3	5.5	5.4
52.5°	76.5	61.9	46.4	31.2	19.5	12.1	8.2	6.3	5.6	5.5
55°	78.5	63.7	47.4	31.5	19.3	12.0	8.0	6.3	5.6	5.6
57.5°	80.3	65.0	48.1	31.6	19.1	11.8	8.0	6.3	5.6	5.5
60°	81.9	66.3	49.0	31.8	18.9	11.6	8.0	6.4	5.8	5.6
62.5°	83.3	67.5	49.6	31.8	18.8	11.5	8.0	6.5	5.9	5.7
65°	84.6	68.5	50.2	31.9	18.6	11.5	8.1	6.7	6.0	6.0
67.5°	85.6	69.4	50.6	31.8	18.5	11.4	8.2	6.8	6.2	6.2
70°	86.6	70.2	51.0	31.8	18.3	11.4	8.4	7.0	6.5	6.4
72.5°	87.2	70.8	51.3	31.7	18.2	11.4	8.3	7.1	6.7	6.6
75°	87.8	71.3	51.5	31.6	18.0	11.4	8.6	7.3	6.9	6.9
76°	88.1	71.6	51.6	31.5	18.0	11.4	8.6	7.5	7.0	7.1
77.5°	88.3	71.9	51.8	31.5	18.0	11.6	8.9	7.7	7.3	7.2
80°	88.6	72.3	52.0	31.6	18.0	11.8	9.2	8.1	7.6	7.7
82.5°	88.7	72.4	51.9	31.3	17.9	11.9	9.4	8.4	8.0	8.0
85°	88.6	72.6	52.0	31.3	18.1	12.1	9.9	8.8	8.4	8.4
87.5°	88.3	72.4	51.9	31.1	18.1	12.4	10.1	9.2	8.7	8.8
90°	87.9	72.2	51.6	30.9	18.1	12.6	10.4	9.5	9.1	9.1
92.5°	87.2	71.7	51.3	30.7	18.1	12.8	10.7	9.8	9.5	9.4
95°	86.5	71.3	51.0	30.6	18.3	13.2	11.2	10.2	9.9	9.9
97.5°	85.6	70.6	50.5	30.3	18.2	13.3	11.3	10.5	10.2	10.1
100°	84.5	69.9	50.1	30.2	18.3	13.7	11.8	10.9	10.4	10.5
102.5°	83.0	68.9	49.3	29.8	18.5	13.8	12.1	11.2	10.7	10.6
105°	81.5	67.7	48.6	29.6	18.7	14.1	12.2	11.4	11.0	10.9
107.5°	79.7	66.2	47.7	29.4	18.8	14.4	12.5	11.6	11.1	11.1



REPORT NUMBER: P1175330

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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	77.4	64.6	46.7	29.2	18.9	14.6	12.6	11.7	11.3	11.3
112.5°	74.7	62.6	45.7	29.1	19.3	14.8	12.8	11.8	11.4	11.3
115°	71.8	60.3	44.6	29.1	19.7	15.1	12.9	11.9	11.4	11.4
117.5°	68.5	57.9	43.4	29.3	20.2	15.6	13.1	11.9	11.4	11.3
120°	65.0	55.4	42.4	29.5	21.0	16.0	13.3	11.8	11.3	11.3
122.5°	61.3	52.7	41.2	29.7	21.5	16.4	13.4	11.9	11.2	11.3
125°	57.8	50.1	40.0	29.9	22.0	16.9	13.7	11.8	11.1	11.1
127.5°	54.2	47.5	38.8	29.8	22.5	17.2	13.7	11.9	11.1	10.9
130°	50.6	44.7	37.2	29.4	22.5	17.3	13.8	11.8	11.0	10.9
132.5°	47.2	42.0	35.6	28.7	22.4	17.4	13.8	11.8	11.0	11.0
135°	43.8	39.3	33.7	27.7	22.0	17.1	13.8	11.8	11.0	10.9
137.5°	40.6	36.7	31.8	26.6	21.4	17.0	13.8	11.9	11.1	11.0
140°	37.3	34.0	29.6	25.2	20.6	16.5	13.5	11.8	11.1	11.0
142.5°	34.1	31.2	27.5	23.5	19.5	16.1	13.3	11.7	11.2	11.0
145°	31.1	28.7	25.4	22.0	18.5	15.4	13.1	11.8	11.1	11.0
147.5°	28.3	26.2	23.4	20.4	17.5	14.9	12.9	11.7	11.2	11.1
150°	25.7	24.0	21.6	19.2	16.7	14.5	12.8	11.8	11.3	11.3
152.5°	23.2	21.8	19.7	17.8	15.8	14.0	12.7	11.8	11.4	11.3
155°	21.2	20.0	18.3	16.8	15.1	13.8	12.6	11.9	11.7	11.6
157.5°	19.1	18.2	16.7	15.6	14.4	13.2	12.4	11.9	11.6	11.4
160°	17.5	16.8	15.7	14.8	13.9	13.0	12.4	11.9	11.7	11.7
162.5°	16.2	15.6	14.8	14.1	13.4	12.7	12.2	12.0	11.8	11.7
165°	15.1	14.7	14.1	13.6	13.1	12.6	12.3	12.0	11.9	11.9
167.5°	14.2	13.9	13.5	13.1	12.7	12.5	12.2	12.1	11.9	11.9
170°	13.6	13.4	13.1	12.9	12.7	12.4	12.3	12.3	12.2	12.1
172.5°	13.1	13.0	12.8	12.6	12.5	12.3	12.3	12.2	12.1	12.1
175°	12.9	12.8	12.7	12.6	12.5	12.5	12.4	12.5	12.4	12.4
177.5°	12.7	12.6	12.6	12.6	12.6	12.6	12.5	12.6	12.6	12.6
180°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8

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

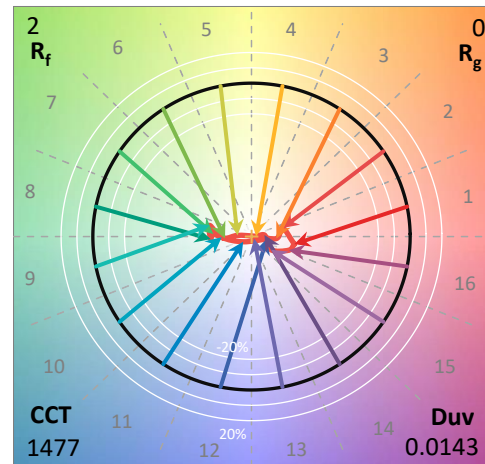
Data in this report applies to families of products including FFX-CLB-AMB-U-FR-T5

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

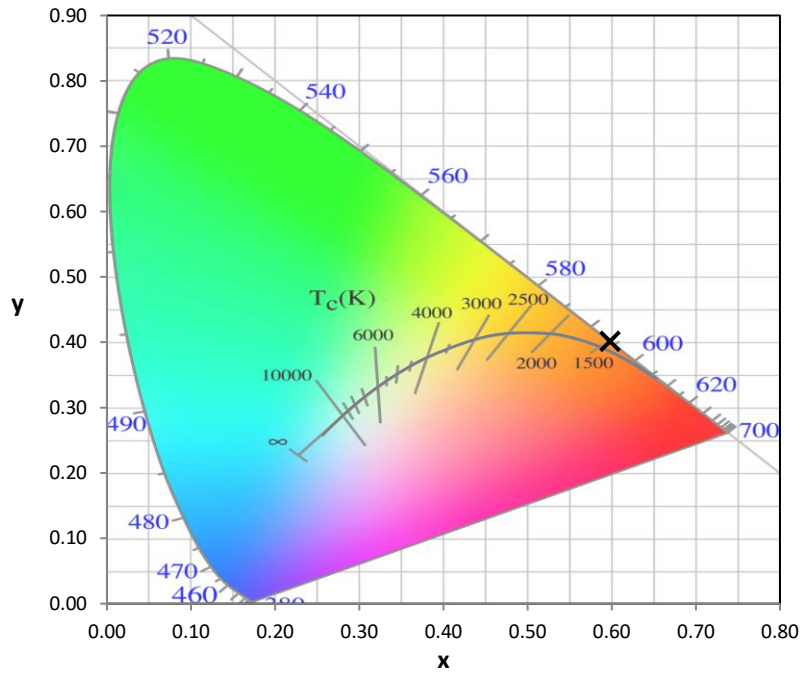
Stabilization Time: 152M
 Operation Time: 3H 32M
 Sphere Temperature (°C): 24.9

REPORT NUMBER: SP1-2501-332-6

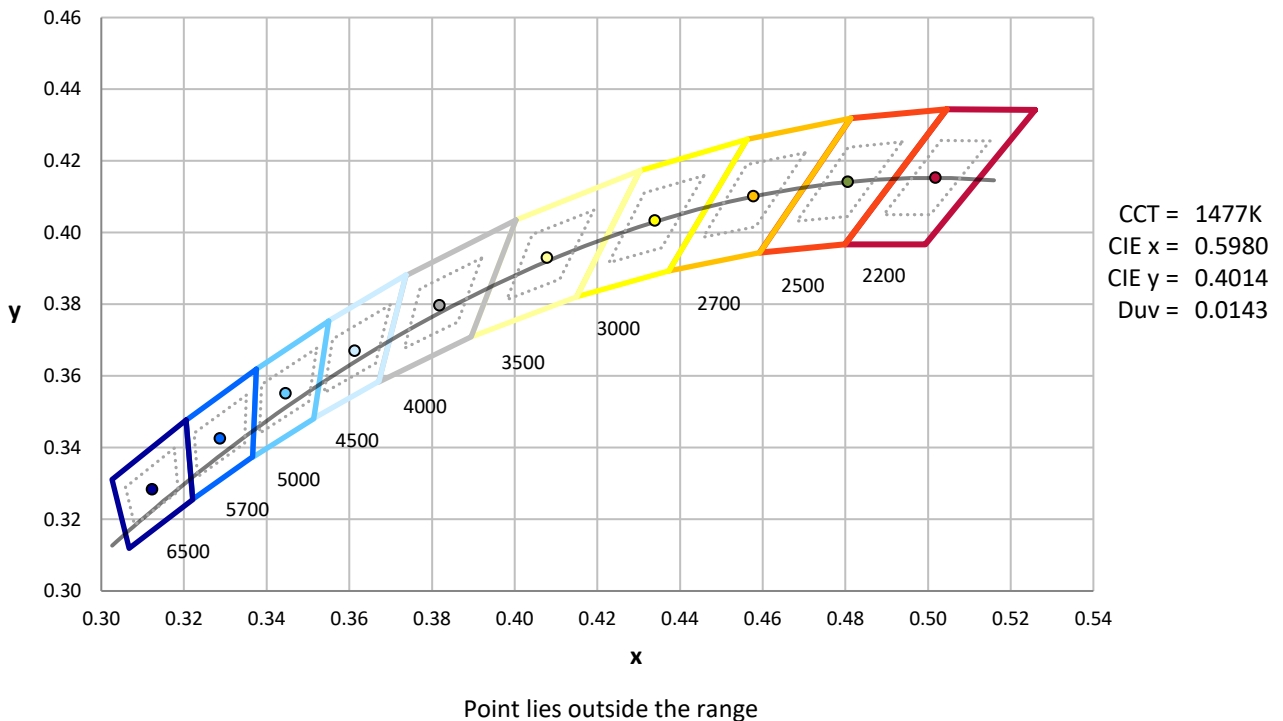
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

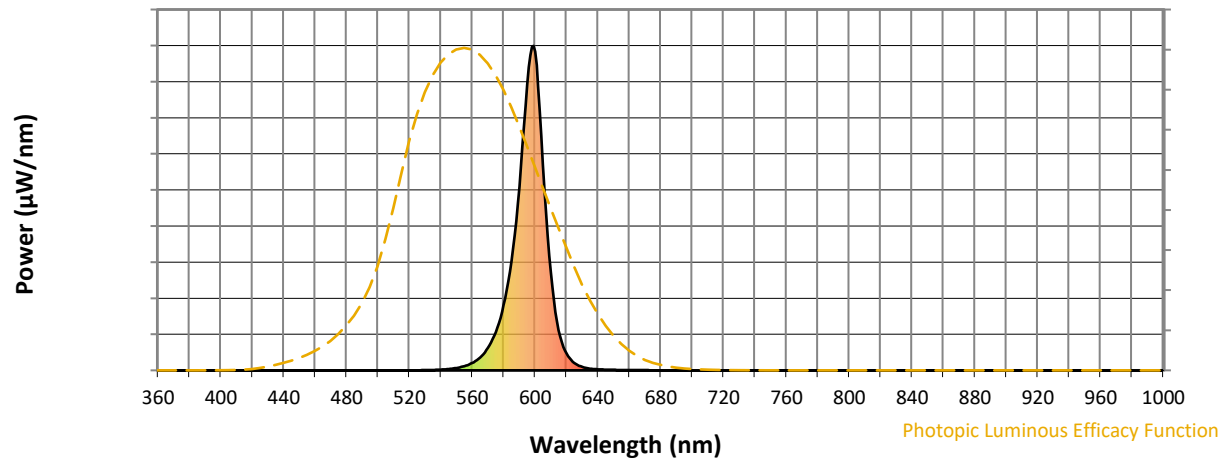


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2501-332-6

Photopic Flux vs. Wavelength

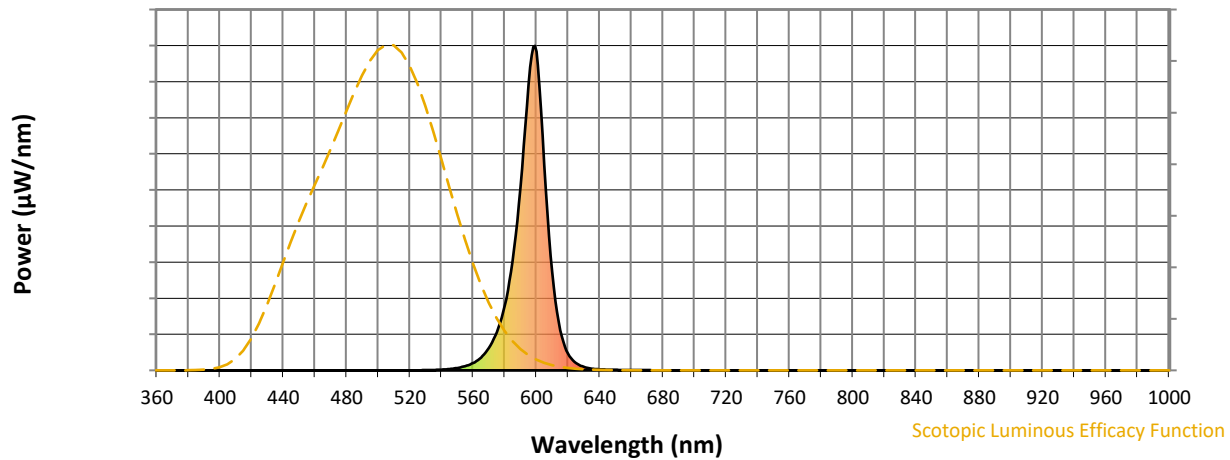


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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

Scotopic Flux vs. Wavelength

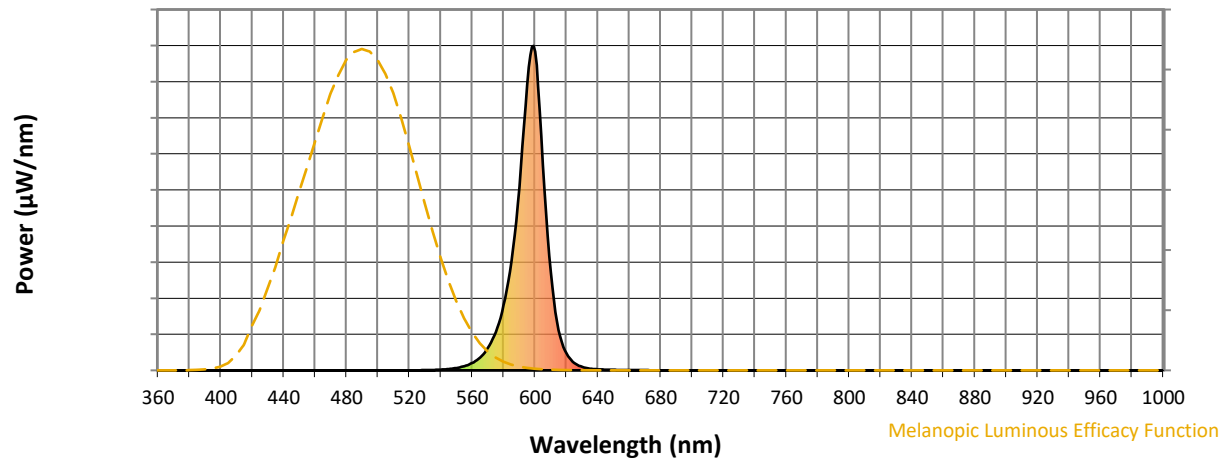


Scotopic Lumens: NR

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

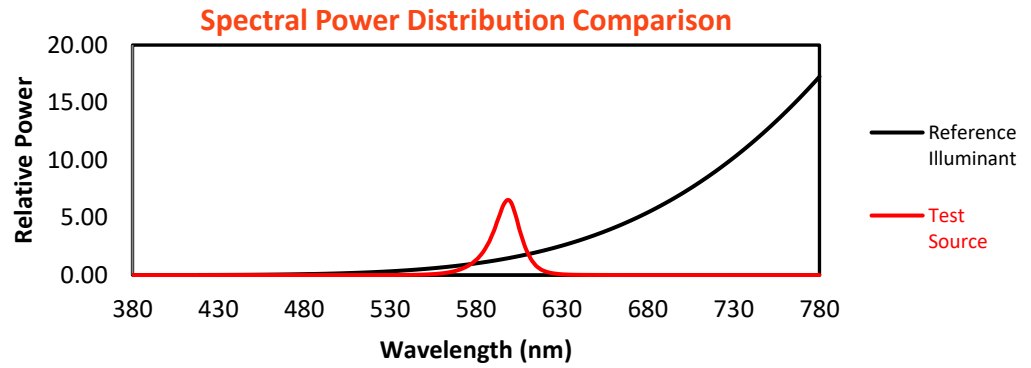
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	0	NR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

REPORT NUMBER: SP1-2501-332-6

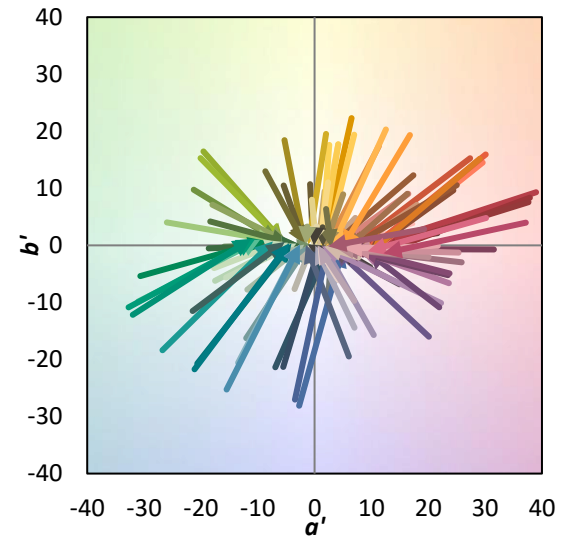
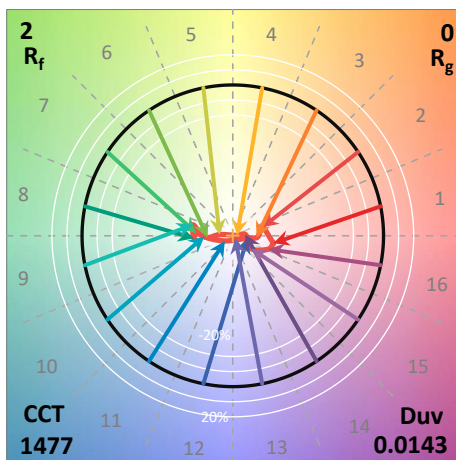
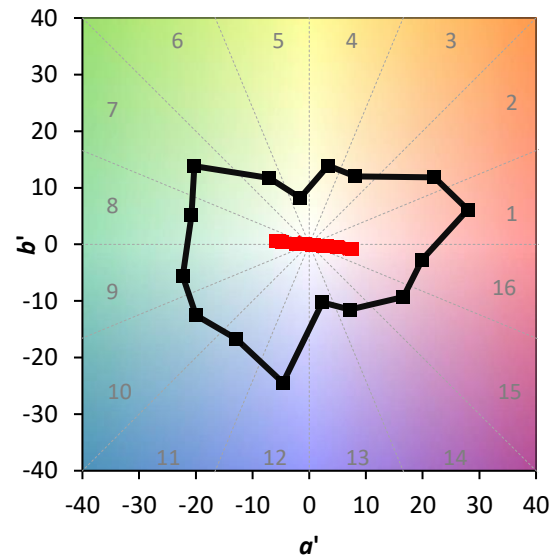
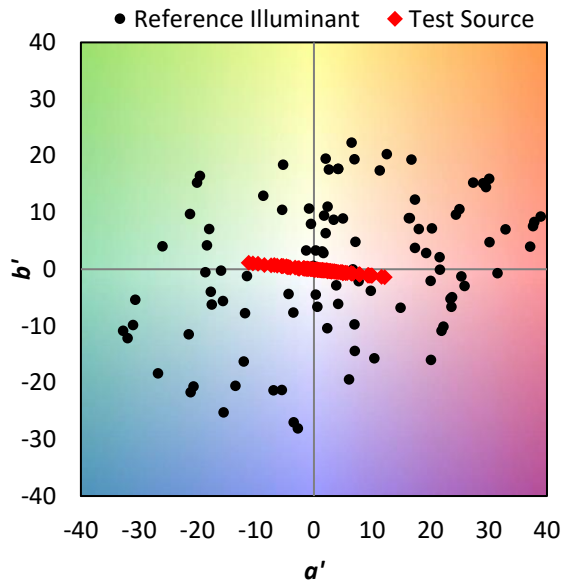
TM-30-18

Summary

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

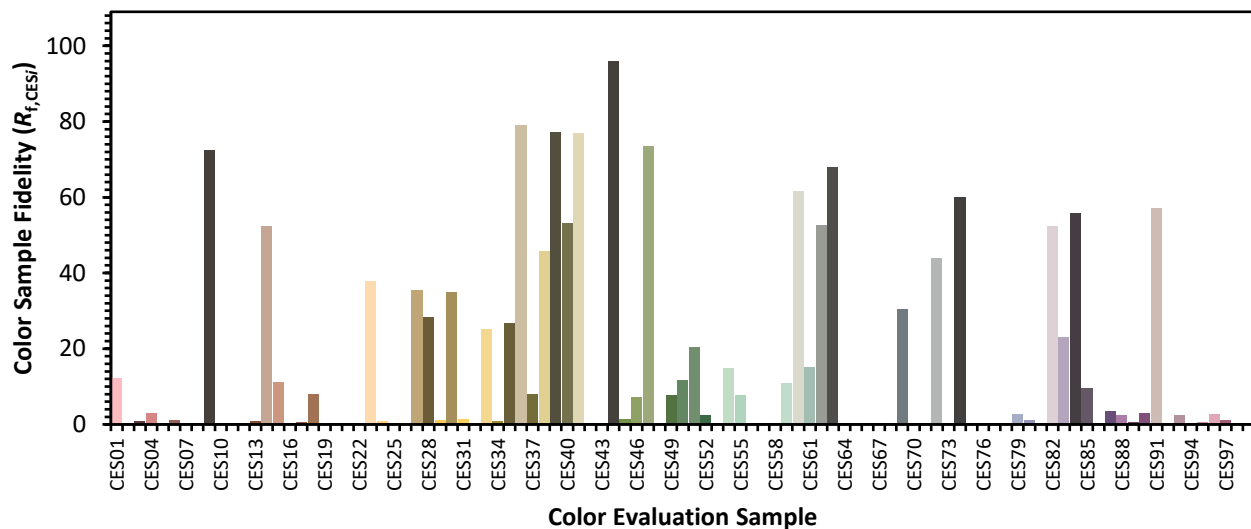


Color Vector Graphics

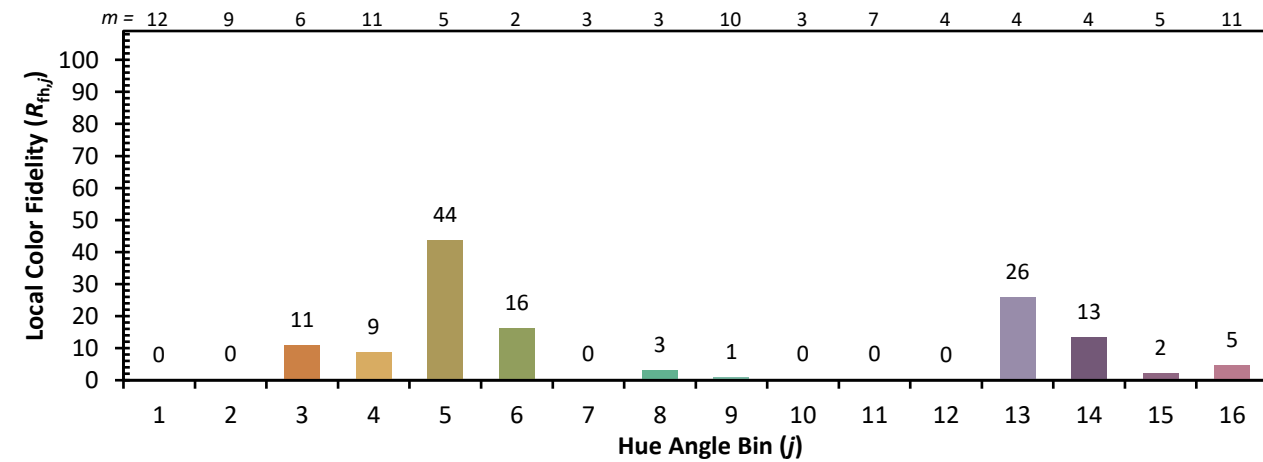
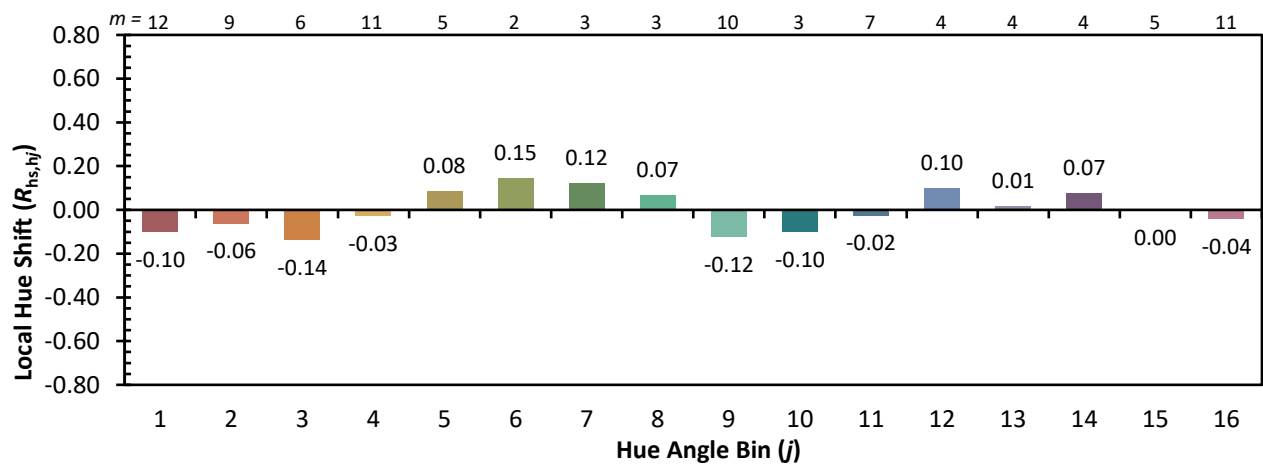
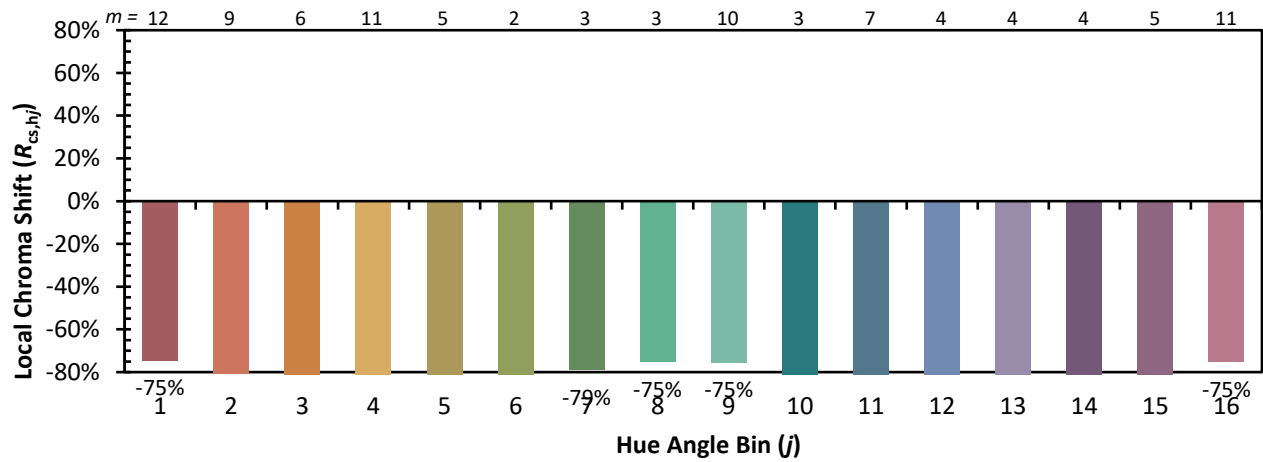


Individual Sample Fidelity Index ($R_{f,i}$)

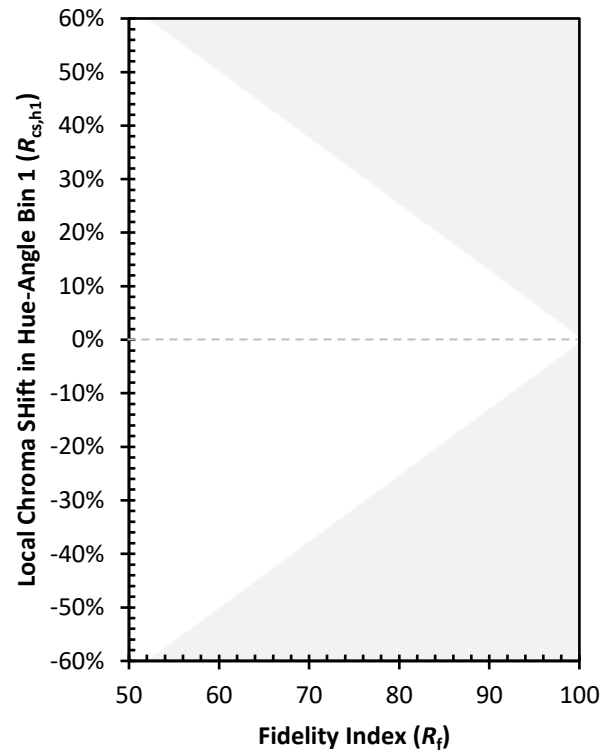
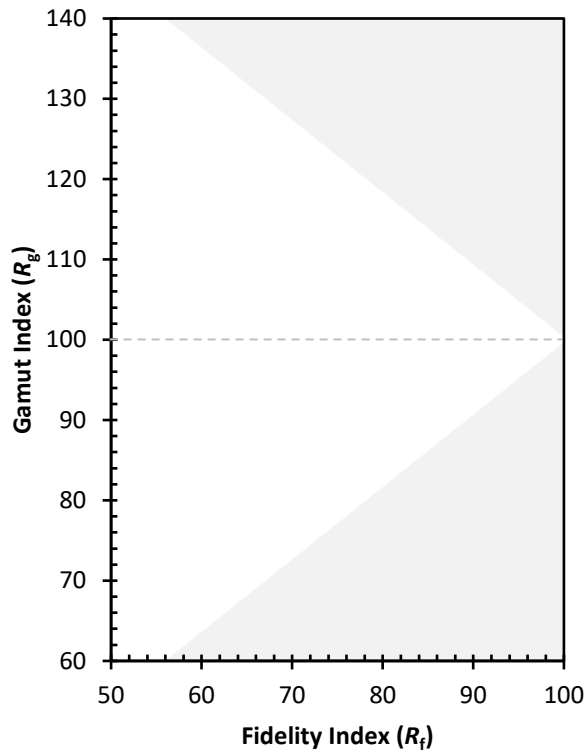
CES01 = 90	CES26 = 0	CES51 = 20	CES76 = 0
CES02 = 70	CES27 = 35	CES52 = 3	CES77 = 0
CES03 = 31	CES28 = 28	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 1	CES54 = 15	CES79 = 3
CES05 = 52	CES30 = 35	CES55 = 8	CES80 = 1
CES06 = 56	CES31 = 1	CES56 = 0	CES81 = 0
CES07 = 42	CES32 = 0	CES57 = 0	CES82 = 52
CES08 =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