

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: P1175329

Luminaire Tested: **FFX-CLB-40-AMB-U-VM9-T5-HSS**

Issue Date: 08/12/2025

Test Information

Test Method: LM-79-08
Report Number: P1175329
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-VM9-T5-HSS
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK AND HOUSE SIDE SHIELD
Light Source: (6) 1500K CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 705.2 lumens
Efficiency: N/A
Efficacy: 16.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type IV - Short
BUG Rating: B0 - U3 - G1

Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (A_{in}): 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

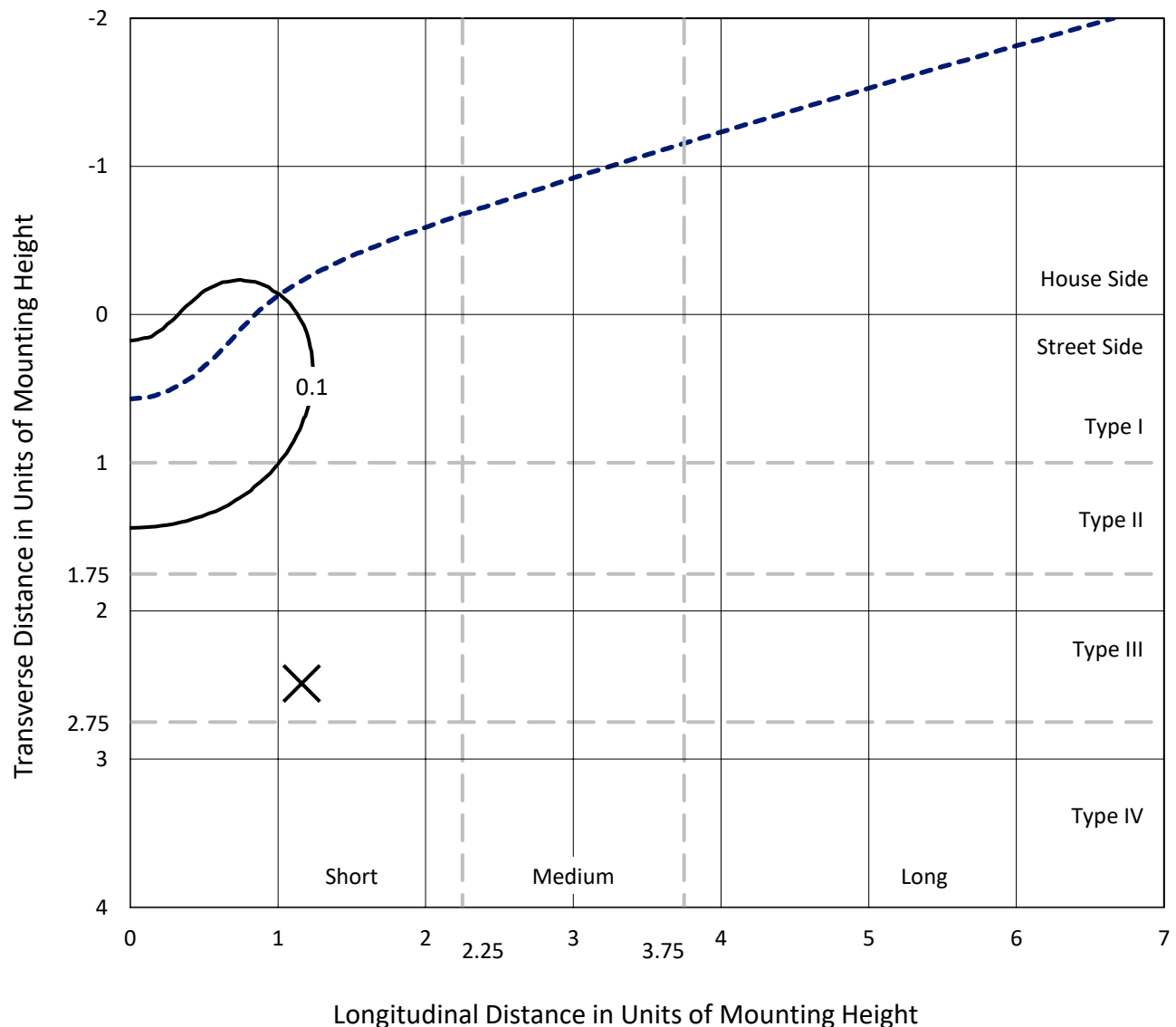


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Iso-Footcandle Lines of Horizontal Illumination

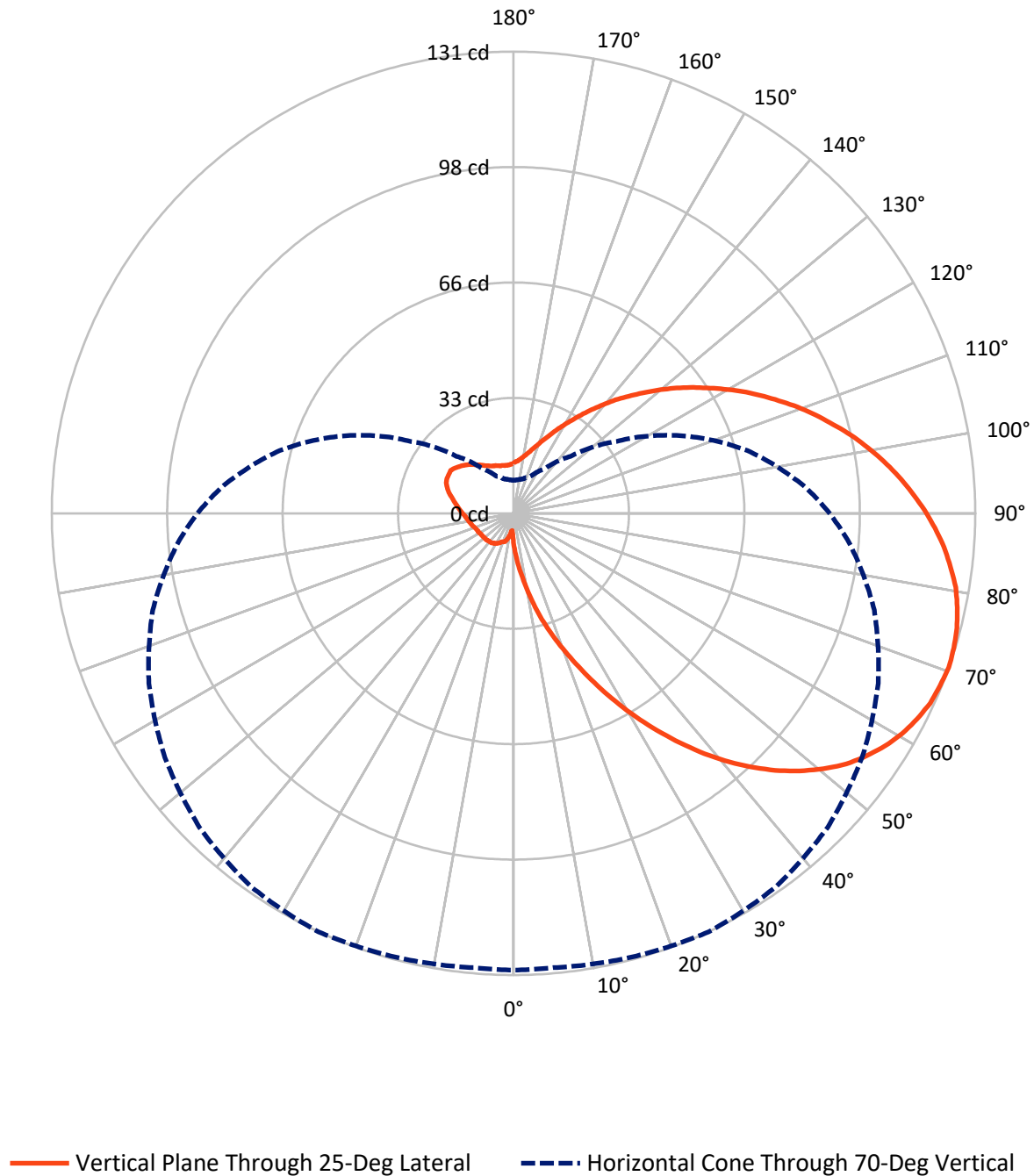
× Max cd
 - - - 1/2 Max cd



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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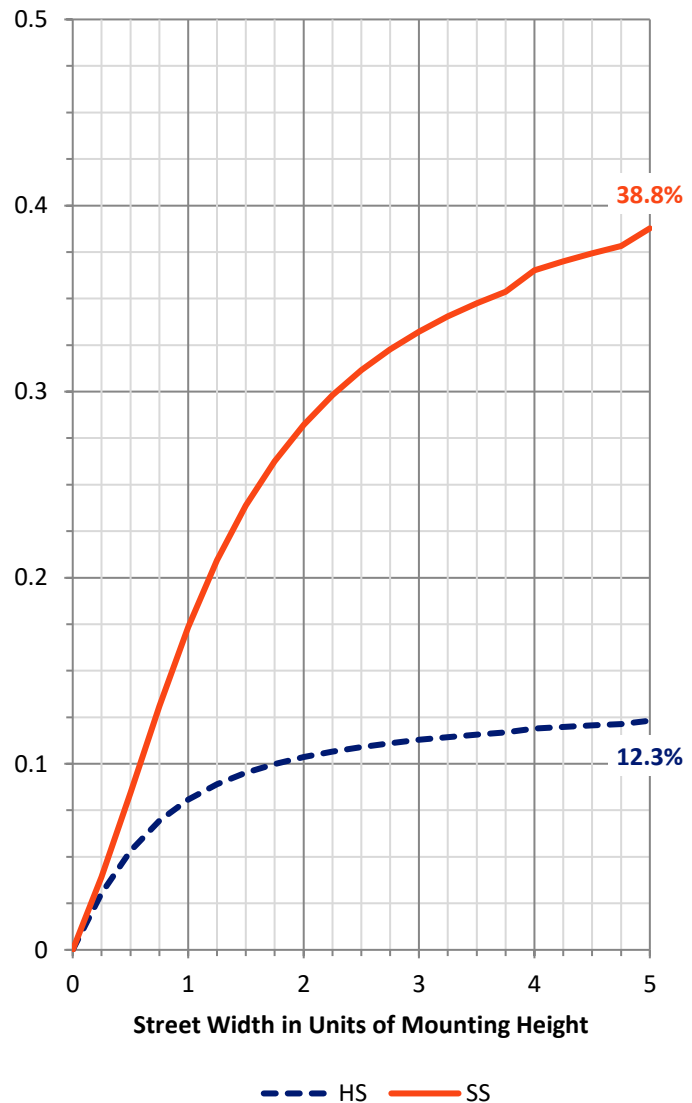
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	94.5	93.3	187.8
	% Fixture	13.4	13.2	26.6
Street Side	Lumens	311.7	205.7	517.4
	% Fixture	44.2	29.2	73.4
Total	Lumens	406.2	299.0	705.2
	% Fixture	57.6	42.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.2
10°-20°	6.1	0.9
20°-30°	15.8	2.2
30°-40°	31.1	4.4
40°-50°	48.9	6.9
50°-60°	64.9	9.2
60°-70°	76.1	10.8
70°-80°	81.5	11.6
80°-90°	80.8	11.5
90°-100°	74.9	10.6
100°-110°	65.9	9.3
110°-120°	54.7	7.8
120°-130°	41.6	5.9
130°-140°	28.6	4.1
140°-150°	17.5	2.5
150°-160°	9.7	1.4
160°-170°	4.7	0.7
170°-180°	1.4	0.2
0°-90°	406.2	57.6
0°-180°	705.2	100.0



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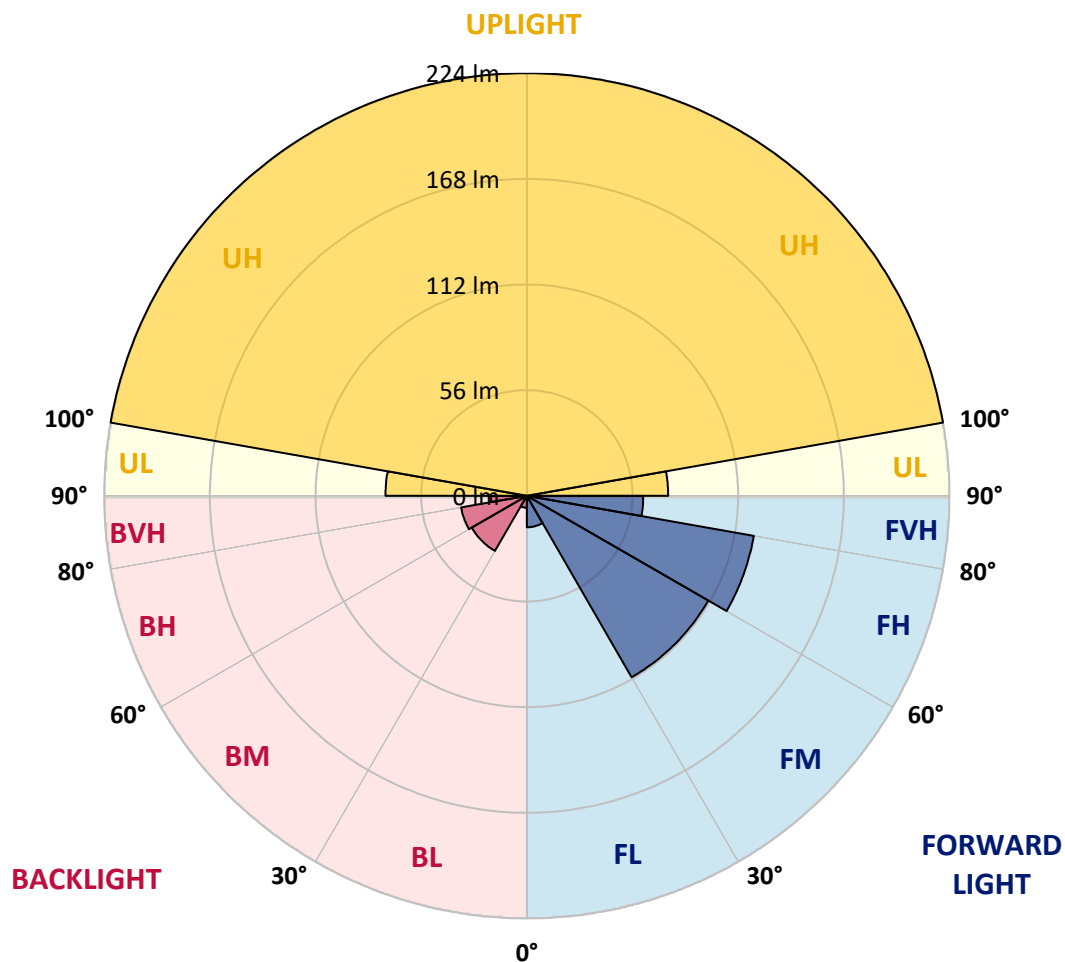
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	16.7	2.4			
FM	(30°-60°)	111.1	15.8			
FH	(60°-80°)	122.2	17.3			G0/660
FVH	(80°-90°)	61.7	8.8			G1/100
BL	(0°-30°)	6.3	0.9	B0/110		
BM	(30°-60°)	33.7	4.8	B0/220		
BH	(60°-80°)	35.4	5.0	B0/110		G0/110
BVH	(80°-90°)	19.0	2.7			G1/100
UL	(90°-100°)	74.9	10.6		U3/500	
UH	(100°-180°)	224.1	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°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
2.5°	11.9	11.9	11.8	11.6	11.4	11.1	10.5	9.9	9.6	9.1	8.8
5°	15.5	15.5	15.2	15.1	14.6	14.0	13.1	12.2	11.5	10.6	10.1
7.5°	19.4	19.3	18.9	18.5	17.9	17.3	16.1	15.0	14.1	12.9	12.2
10°	23.6	23.5	23.1	22.7	22.0	21.3	20.0	18.7	17.6	16.1	15.2
12.5°	28.1	28.1	27.6	27.3	26.6	25.6	24.6	22.9	21.4	19.8	18.7
15°	32.8	32.8	32.4	32.1	31.3	30.4	29.4	27.4	25.8	23.7	22.3
17.5°	37.8	37.3	37.2	36.9	36.0	35.2	33.9	31.8	29.6	26.8	25.8
20°	42.8	42.3	42.2	41.9	41.0	40.1	38.7	36.5	33.9	30.7	29.3
22.5°	48.3	47.8	47.6	47.3	46.5	45.5	43.9	41.2	38.5	34.8	33.2
25°	54.2	53.7	53.7	53.3	52.5	51.4	49.7	47.0	43.7	39.5	37.5
27.5°	60.4	59.9	60.0	59.6	58.8	57.4	56.0	52.6	49.2	44.6	42.1
30°	66.8	66.2	66.4	66.1	65.4	64.1	62.2	58.6	54.9	49.6	46.8
32.5°	72.7	72.7	73.1	72.7	72.0	70.6	68.8	64.8	60.6	54.8	51.7
35°	79.8	79.2	79.5	79.3	78.6	77.0	75.2	70.9	66.2	59.9	56.5
37.5°	85.6	85.7	86.1	86.0	85.3	83.6	81.6	77.1	71.6	64.9	61.1
40°	91.9	92.0	92.6	92.4	91.8	89.9	87.5	82.8	76.9	69.7	65.5
42.5°	97.8	97.8	98.3	98.5	97.8	95.9	93.1	88.0	82.0	73.9	69.5
45°	103.3	103.3	104.0	104.2	103.4	101.3	98.3	93.0	86.5	77.9	73.2
47.5°	108.5	108.5	109.1	109.4	108.6	106.3	103.0	97.6	90.5	81.6	76.4
50°	113.2	113.2	113.8	114.1	113.3	111.0	107.1	101.5	94.0	84.7	79.3
52.5°	117.3	117.2	118.0	118.4	117.3	114.8	110.6	104.8	97.1	87.4	81.8
55°	120.6	120.6	121.3	121.7	120.6	117.8	113.5	107.4	99.4	89.5	83.7
57.5°	123.5	123.4	124.3	124.6	123.5	120.5	115.9	109.6	101.5	91.4	85.5
60°	125.9	125.8	126.5	127.0	125.7	122.6	117.7	111.4	103.1	92.8	86.9
62.5°	127.7	127.6	128.4	128.7	127.6	124.3	119.1	112.7	104.4	93.9	88.0
65°	128.9	128.7	129.6	130.1	128.8	125.3	120.2	113.6	105.1	94.7	88.8
67.5°	129.5	129.4	130.3	130.7	129.5	126.0	120.7	114.1	105.8	95.4	89.4
70°	129.8	129.6	130.5	131.2	129.7	126.2	120.9	114.3	106.1	95.7	89.8
72.5°	129.6	129.2	130.2	130.8	129.5	125.9	120.6	114.1	106.0	95.8	89.9
75°	128.8	128.5	129.5	130.1	128.8	125.4	120.1	113.6	105.7	95.7	89.9
77.5°	127.6	127.2	128.2	128.9	127.6	124.3	119.1	112.7	105.0	95.2	89.7
80°	126.1	125.5	126.7	127.4	126.1	122.9	117.8	111.5	104.0	94.6	89.1
82.5°	123.8	123.2	124.3	125.1	123.9	120.9	115.9	109.9	102.7	93.6	88.3
85°	121.4	120.8	121.8	122.7	121.5	118.6	113.9	108.0	101.2	92.5	87.4
87.5°	118.5	117.9	118.9	119.8	118.7	116.1	111.6	106.0	99.6	91.2	86.2
90°	115.5	114.8	115.9	116.7	115.7	113.2	109.0	103.8	97.7	89.7	85.0
92.5°	112.3	111.4	112.5	113.3	112.5	110.2	106.3	101.3	95.7	88.0	83.6
95°	109.0	108.1	109.1	109.9	109.1	107.0	103.4	98.8	93.5	86.3	82.1
97.5°	105.4	104.5	105.3	106.2	105.6	103.6	100.4	96.1	91.2	84.5	80.4
100°	101.6	101.0	101.5	102.4	101.8	100.1	97.2	93.3	88.8	82.4	78.7
102.5°	97.9	97.1	97.6	98.5	98.0	96.6	94.1	90.6	86.2	80.4	76.9
105°	93.8	93.0	93.5	94.3	94.1	92.7	90.6	87.5	83.5	78.1	74.8
107.5°	89.8	89.2	89.5	90.3	90.2	89.2	87.3	84.7	81.2	76.0	72.9
110°	85.7	85.2	85.7	86.2	86.2	85.3	83.8	81.5	78.4	73.6	70.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	81.5	81.0	81.5	81.9	82.0	81.3	80.1	77.9	75.3	71.1	68.4
115°	77.4	76.6	77.5	77.8	78.0	77.5	76.4	74.7	72.4	68.4	66.0
117.5°	73.4	72.6	73.0	73.7	73.8	73.6	72.7	71.2	69.1	65.8	63.5
120°	69.2	68.5	68.9	69.5	69.6	69.6	68.9	67.6	65.7	62.7	60.6
122.5°	65.1	64.5	65.0	65.4	65.6	65.7	65.2	64.1	62.5	59.6	57.6
125°	61.3	60.8	61.2	61.6	61.9	62.2	61.7	60.6	59.1	56.5	54.8
127.5°	57.4	56.8	57.1	57.7	57.9	58.1	57.9	57.1	55.7	53.3	51.8
130°	53.5	53.1	53.4	53.9	54.1	54.4	54.2	53.5	52.1	50.0	48.6
132.5°	49.8	49.4	49.8	50.1	50.5	50.6	50.6	49.9	48.7	46.8	45.6
135°	46.4	45.9	46.4	46.6	47.0	47.4	47.1	46.4	45.3	43.7	42.6
137.5°	43.1	42.7	43.0	43.4	43.6	44.0	43.9	43.2	42.2	40.6	39.8
140°	39.8	39.4	39.6	40.0	40.3	40.3	40.4	39.8	39.0	37.5	36.7
142.5°	36.6	36.2	36.5	36.9	37.1	37.3	37.2	36.7	35.9	34.7	34.0
145°	33.8	33.4	33.6	33.9	34.1	34.3	34.1	33.6	32.9	31.8	31.4
147.5°	31.1	30.8	30.9	31.1	31.3	31.5	31.3	30.8	30.1	29.0	28.7
150°	28.6	28.3	28.4	28.7	28.9	28.9	28.7	28.2	27.6	26.7	26.5
152.5°	26.2	26.0	26.1	26.4	26.4	26.5	26.2	25.8	25.2	24.4	24.1
155°	24.2	24.0	24.0	24.2	24.3	24.3	24.1	23.6	23.1	22.4	22.3
157.5°	22.4	22.0	22.2	22.4	22.3	22.3	22.1	21.7	21.2	20.7	20.4
160°	20.8	20.6	20.6	20.7	20.7	20.7	20.5	20.1	19.8	19.3	19.1
162.5°	19.4	19.3	19.3	19.3	19.3	19.2	19.1	18.7	18.4	17.9	17.9
165°	18.1	18.0	18.0	18.0	18.0	17.9	17.7	17.4	17.1	16.9	16.8
167.5°	17.0	17.0	16.9	17.0	16.9	16.9	16.7	16.5	16.3	15.9	15.9
170°	16.3	16.1	16.1	16.2	16.1	15.9	15.9	15.6	15.4	15.2	15.2
172.5°	15.6	15.6	15.5	15.5	15.5	15.3	15.2	15.0	14.9	14.6	14.7
175°	15.1	15.0	15.0	14.9	14.9	14.7	14.7	14.5	14.4	14.2	14.3
177.5°	14.8	14.7	14.6	14.7	14.5	14.4	14.4	14.3	14.2	14.1	14.1
180°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
2.5°	8.6	8.0	7.7	7.2	6.7	6.3	6.0	5.7	5.4	5.4
5°	9.6	8.8	7.9	7.1	6.2	5.5	4.9	4.5	4.1	4.2
7.5°	11.7	10.4	9.3	8.1	7.0	6.0	5.2	4.6	4.4	4.3
10°	14.4	12.9	11.3	9.8	8.3	7.1	6.2	5.5	5.3	5.2
12.5°	17.6	15.6	13.5	11.6	9.7	8.2	7.1	6.4	5.9	5.8
15°	21.0	18.5	15.9	13.4	11.2	9.2	7.8	6.8	6.4	6.3
17.5°	24.3	21.3	18.1	15.2	12.4	10.2	8.4	7.1	6.6	6.5
20°	27.5	23.9	20.2	16.7	13.4	10.7	8.6	7.2	6.5	6.4
22.5°	31.2	26.8	22.5	18.2	14.4	11.2	8.7	7.3	6.4	6.4
25°	35.3	30.2	25.0	20.1	15.6	11.9	9.2	7.4	6.6	6.5
27.5°	39.6	33.8	27.7	21.9	16.7	12.5	9.5	7.6	6.6	6.6
30°	43.9	37.4	30.3	23.7	17.8	13.1	9.8	7.8	6.8	6.6
32.5°	48.4	41.0	33.0	25.5	18.8	13.7	10.1	7.9	7.0	6.9
35°	52.6	44.4	35.6	27.1	19.6	14.0	10.2	7.9	6.9	6.8
37.5°	57.0	47.9	38.1	28.7	20.6	14.4	10.5	8.1	7.1	7.0
40°	60.9	51.1	40.3	30.1	21.2	14.7	10.5	8.2	7.1	7.1
42.5°	64.6	53.9	42.4	31.2	21.7	14.9	10.6	8.3	7.2	7.1
45°	67.9	56.5	44.3	32.3	22.1	15.0	10.7	8.4	7.3	7.3
47.5°	70.9	58.8	45.8	33.2	22.5	15.1	10.8	8.4	7.5	7.4
50°	73.5	61.0	47.3	33.9	22.8	15.3	10.8	8.6	7.8	7.5
52.5°	75.8	62.9	48.6	34.5	23.0	15.3	10.9	8.8	7.8	7.7
55°	77.6	64.2	49.4	34.8	23.0	15.2	10.9	8.8	8.0	7.8
57.5°	79.3	65.6	50.2	35.1	23.0	15.1	11.0	9.0	8.1	8.1
60°	80.5	66.6	50.9	35.3	23.0	15.2	11.1	9.1	8.4	8.3
62.5°	81.7	67.4	51.5	35.5	23.0	15.3	11.3	9.4	8.7	8.7
65°	82.4	68.1	51.7	35.5	23.0	15.3	11.3	9.6	8.9	8.9
67.5°	83.0	68.6	52.0	35.6	22.9	15.3	11.5	9.8	9.2	9.1
70°	83.4	68.8	52.2	35.6	22.9	15.5	11.7	10.1	9.5	9.4
72.5°	83.6	69.1	52.3	35.5	22.9	15.5	12.0	10.3	9.8	9.7
75°	83.7	69.2	52.3	35.5	22.9	15.7	12.3	10.7	10.2	10.1
77.5°	83.4	69.1	52.2	35.4	22.9	15.9	12.5	11.1	10.5	10.5
80°	83.1	68.8	52.1	35.3	23.0	16.2	12.9	11.5	11.0	10.8
82.5°	82.3	68.3	51.6	35.0	22.9	16.2	13.1	11.8	11.2	11.2
85°	81.6	67.7	51.3	34.9	23.0	16.5	13.5	12.1	11.7	11.7
87.5°	80.6	67.1	50.9	34.9	23.2	16.9	13.8	12.6	12.1	12.1
90°	79.6	66.4	50.4	34.7	23.4	17.2	14.4	13.0	12.5	12.5
92.5°	78.3	65.5	49.9	34.6	23.6	17.7	14.9	13.6	13.1	13.1
95°	77.1	64.6	49.6	34.7	23.9	18.1	15.5	14.2	13.7	13.7
97.5°	75.6	63.7	49.2	34.7	24.5	18.7	16.0	14.8	14.3	14.2
100°	74.0	62.6	48.7	34.9	24.9	19.2	16.7	15.4	14.9	14.9
102.5°	72.5	61.7	48.3	35.1	25.6	20.1	17.4	16.1	15.6	15.8
105°	70.7	60.4	47.8	35.3	26.0	20.7	18.1	16.7	16.2	16.3
107.5°	69.0	59.4	47.5	35.7	26.8	21.6	19.0	17.6	17.1	17.0
110°	67.2	58.2	47.1	36.0	27.6	22.5	19.8	18.2	17.7	17.7



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CATALOG NUMBER: FFX-CLB-40-AMB-U-VM9-T5-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	65.0	56.8	46.5	36.2	28.2	23.1	20.4	18.9	18.2	18.2
115°	63.0	55.3	45.9	36.3	28.8	23.8	21.0	19.3	18.7	18.6
117.5°	60.7	53.5	45.1	36.3	29.2	24.3	21.3	19.7	19.0	18.9
120°	57.9	51.5	43.8	35.9	29.2	24.4	21.4	19.7	19.0	18.9
122.5°	55.3	49.4	42.6	35.4	29.1	24.5	21.5	19.7	19.0	18.8
125°	52.7	47.4	41.4	34.8	29.0	24.6	21.6	19.7	19.0	18.8
127.5°	49.8	45.1	39.7	33.8	28.5	24.2	21.2	19.4	18.5	18.4
130°	46.9	42.5	37.9	32.6	27.7	23.6	20.6	18.9	18.0	17.9
132.5°	43.9	40.2	35.9	31.2	26.7	23.0	20.1	18.3	17.5	17.4
135°	41.2	37.8	34.0	29.8	25.7	22.3	19.5	17.8	17.1	16.9
137.5°	38.4	35.5	32.0	28.4	24.7	21.5	18.9	17.4	16.6	16.5
140°	35.5	32.9	30.0	26.7	23.4	20.5	18.2	16.8	16.1	15.9
142.5°	33.0	30.6	28.0	25.1	22.2	19.6	17.5	16.3	15.6	15.6
145°	30.4	28.3	26.0	23.5	21.0	18.7	16.9	15.8	15.2	15.0
147.5°	27.8	26.1	24.1	22.0	19.9	17.9	16.3	15.4	14.8	14.8
150°	25.7	24.1	22.5	20.6	18.7	17.1	15.7	14.9	14.5	14.5
152.5°	23.5	22.1	20.8	19.2	17.7	16.4	15.3	14.5	14.2	14.2
155°	21.8	20.6	19.5	18.2	16.9	15.8	14.9	14.3	14.0	14.1
157.5°	20.1	19.1	18.2	17.1	16.2	15.3	14.6	14.1	13.9	13.8
160°	18.8	18.0	17.3	16.5	15.7	15.0	14.5	14.1	13.9	13.9
162.5°	17.6	17.0	16.4	15.7	15.2	14.7	14.2	13.9	13.8	13.8
165°	16.6	16.0	15.6	15.1	14.7	14.4	14.0	13.8	13.8	13.7
167.5°	15.8	15.3	15.1	14.8	14.4	14.2	14.0	13.9	13.8	13.8
170°	15.1	14.8	14.6	14.4	14.2	14.0	13.8	13.7	13.7	13.7
172.5°	14.6	14.4	14.2	14.1	14.0	13.9	13.8	13.8	13.7	13.7
175°	14.2	14.1	14.0	13.9	13.8	13.8	13.8	13.8	13.8	13.8
177.5°	14.0	14.0	14.0	14.0	13.9	14.0	14.0	13.9	14.0	14.0
180°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1

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

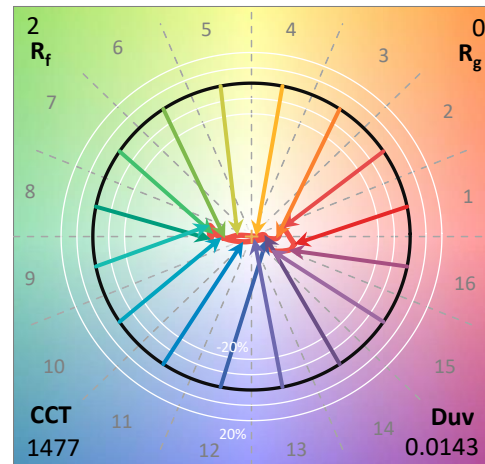
Data in this report applies to families of products including FFX-CLB-AMB-U-FR-T5

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

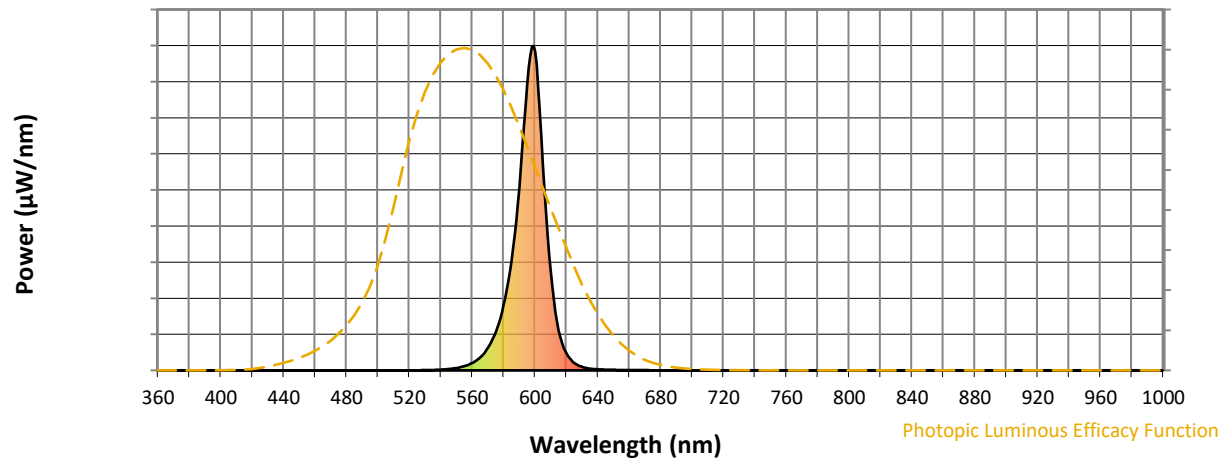
Stabilization Time: 152M
 Operation Time: 3H 32M
 Sphere Temperature (°C): 24.9

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

Photopic Flux vs. Wavelength

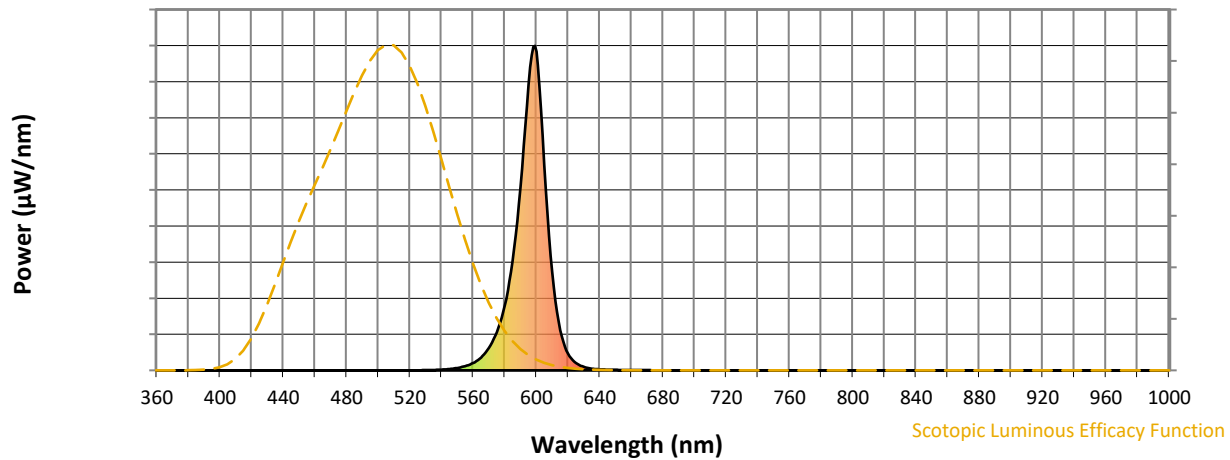


Photopic Lumens: NR

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



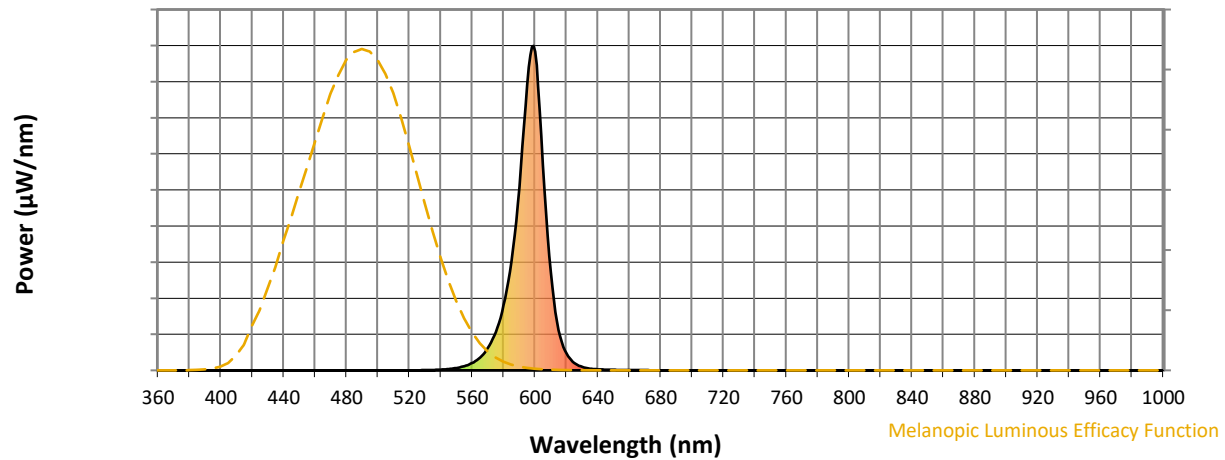
Scotopic Lumens: NR

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

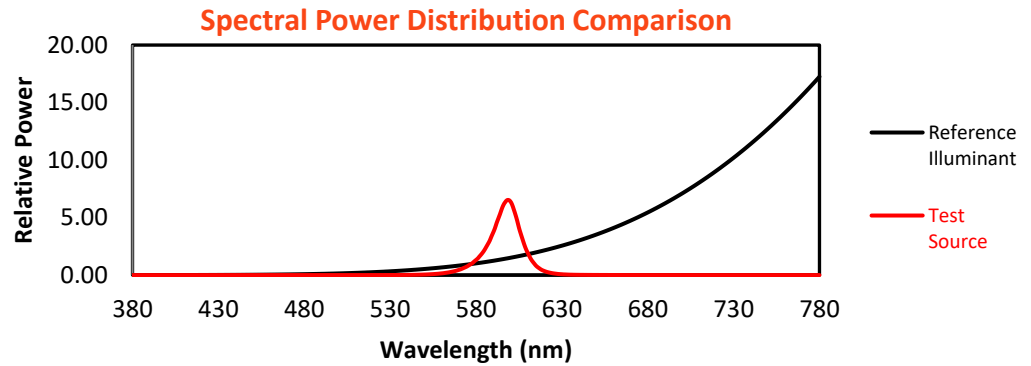
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	0	NR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

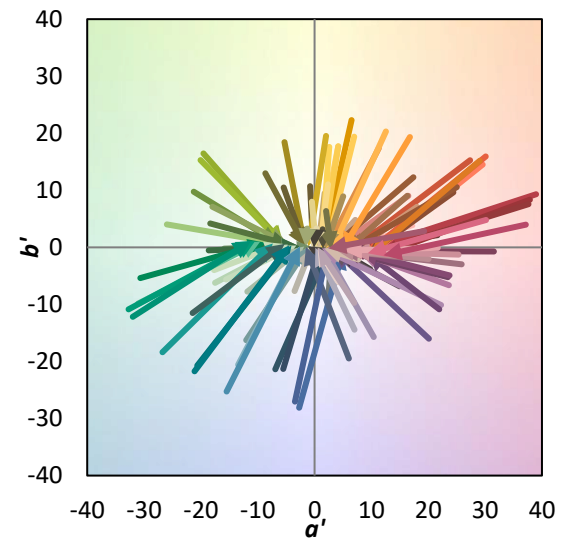
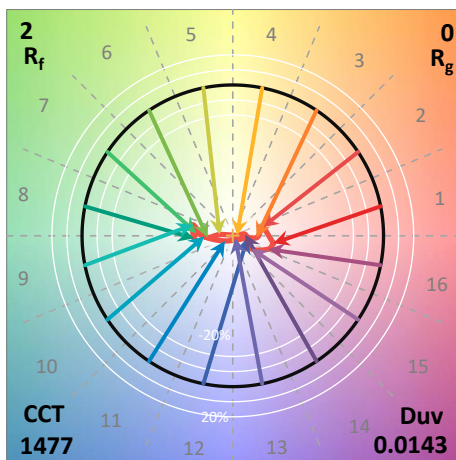
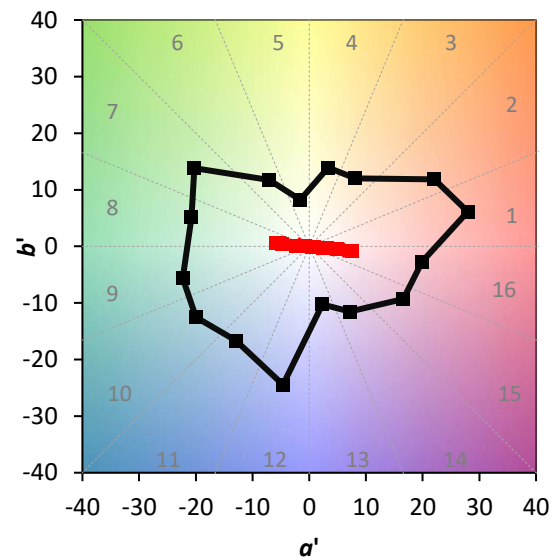
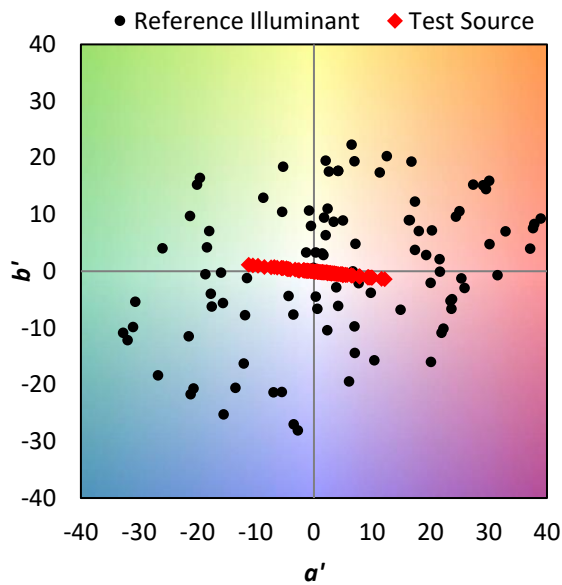
TM-30-18

Summary

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

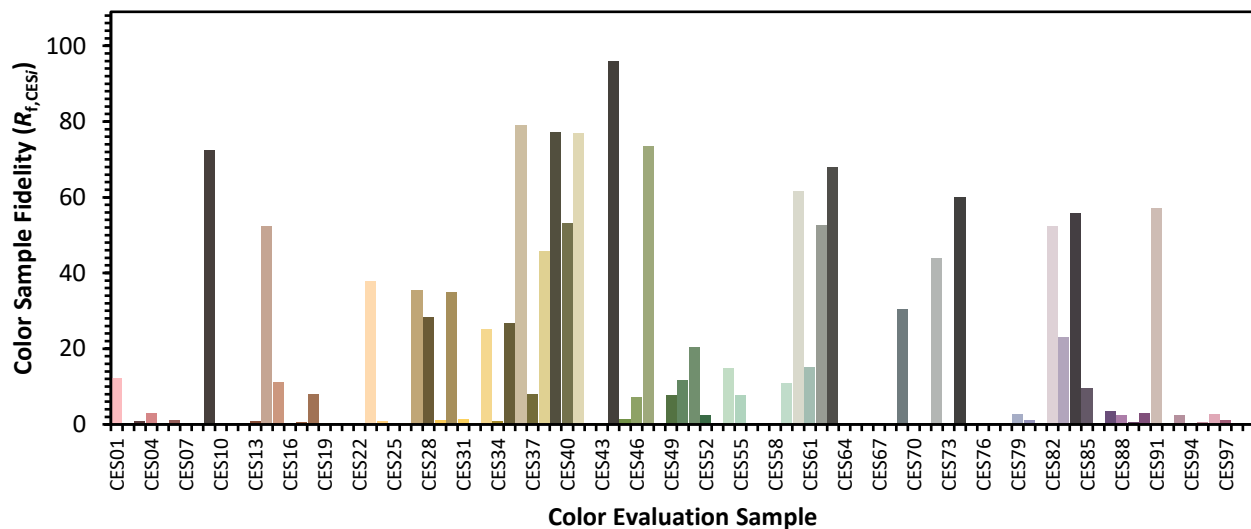


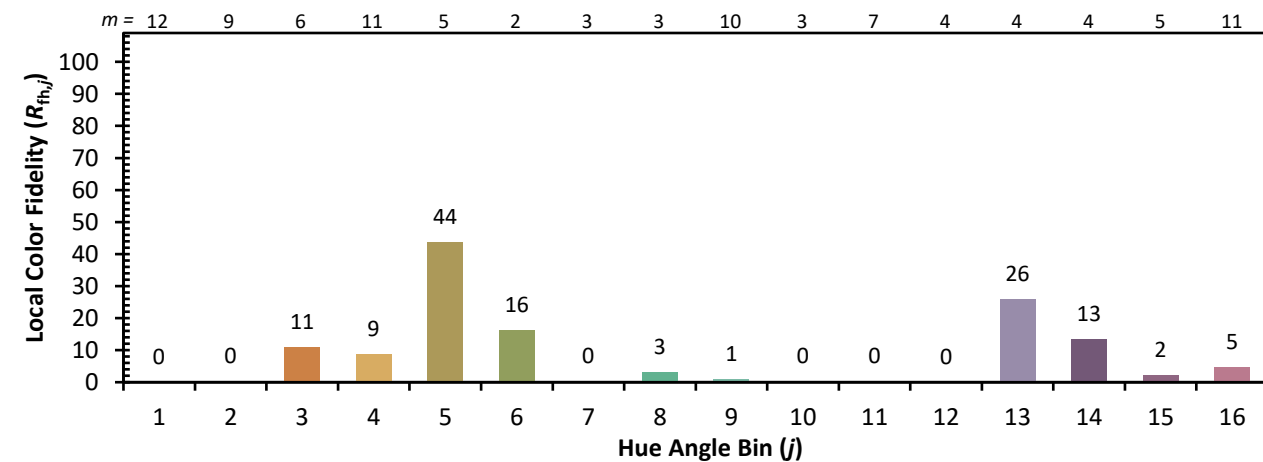
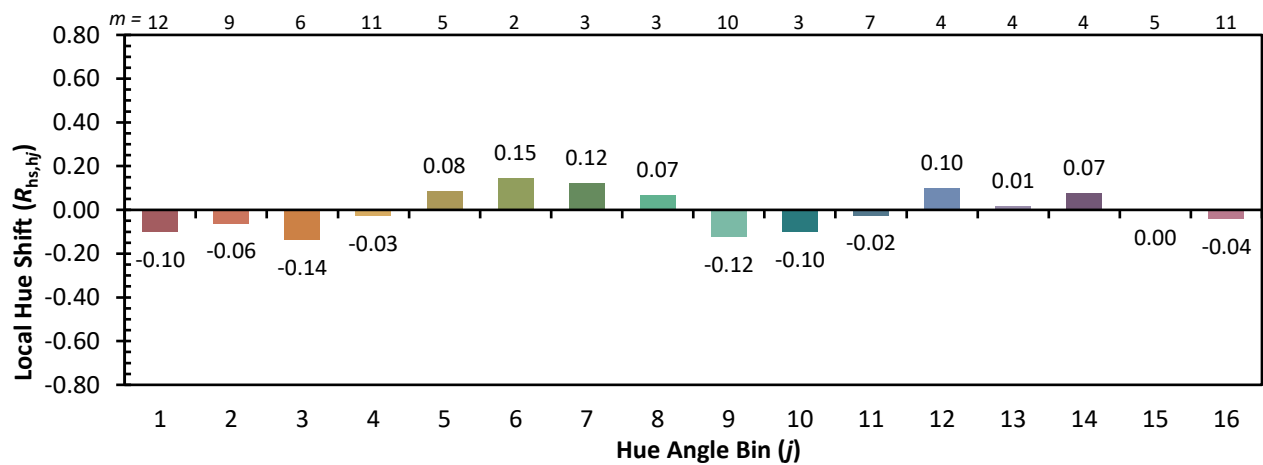
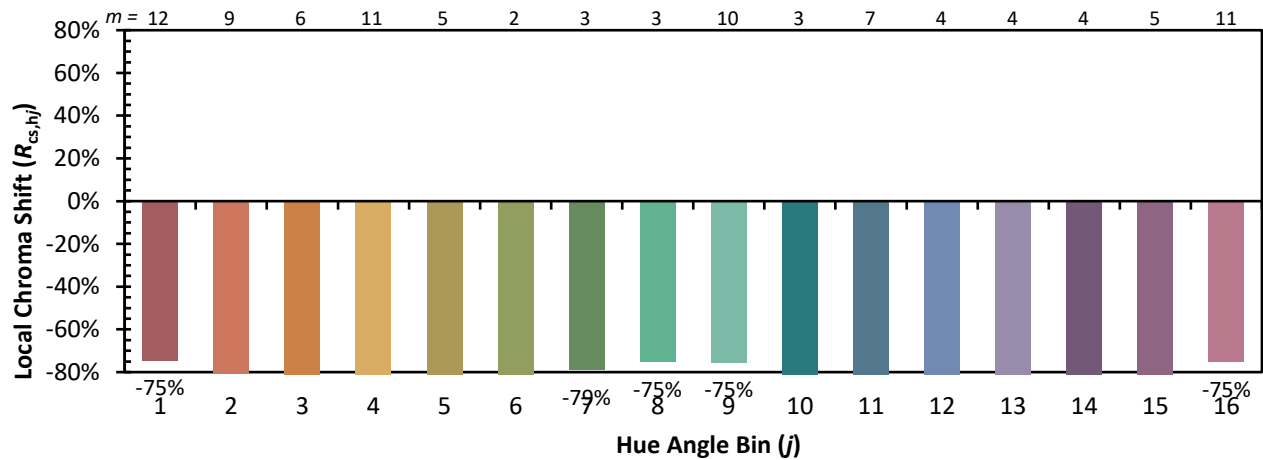
Color Vector Graphics



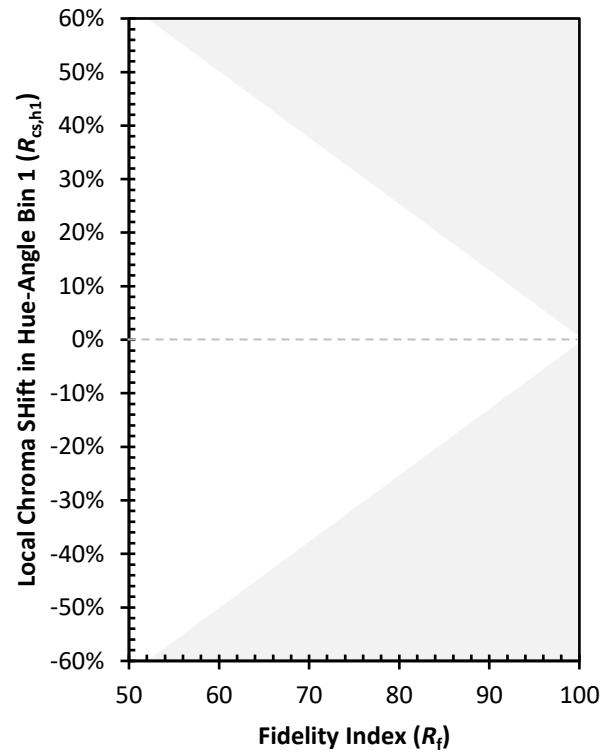
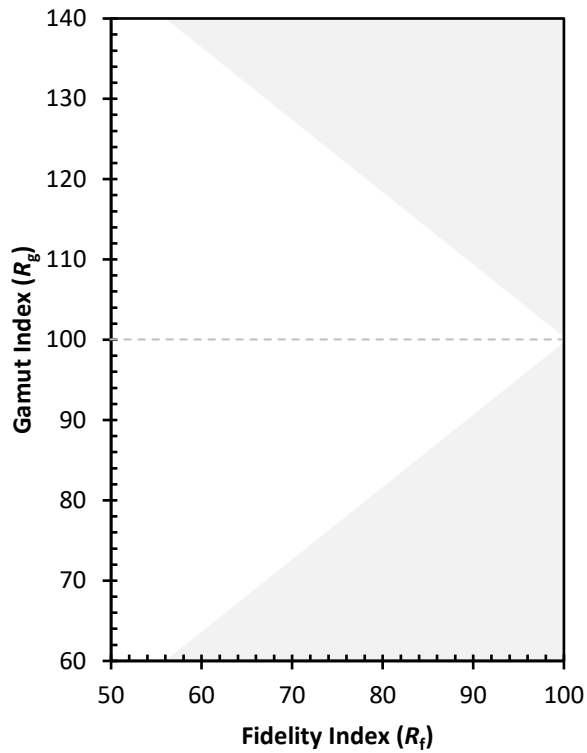
Individual Sample Fidelity Index ($R_{f,i}$)

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)