

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: P981596

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

Issue Date: 04/15/2025

Test Information

Test Method: LM-79-08
Report Number: P981596
Test Lab: INNOVATION CENTER(G3)
Issue Date: 04/15/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-30-AMB-U-FR-T3-P
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION
POLYCARBONATE LENS
Light Source: (4) 1500K CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 745.6 lumens
Efficiency: N/A
Efficacy: 25.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type III - Short
BUG Rating: B0 - U3 - G1

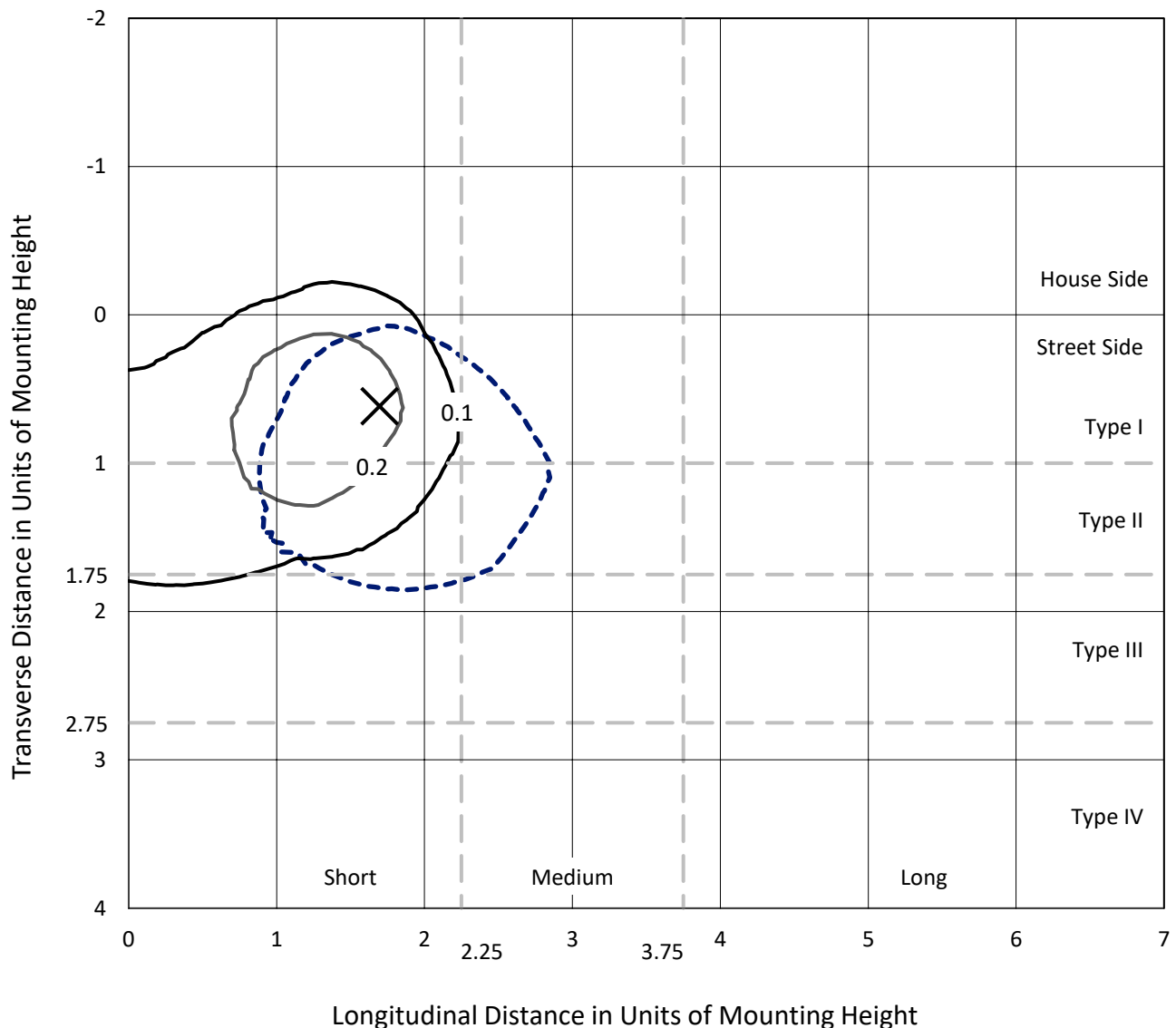
Input Watts (W): 28.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 13%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

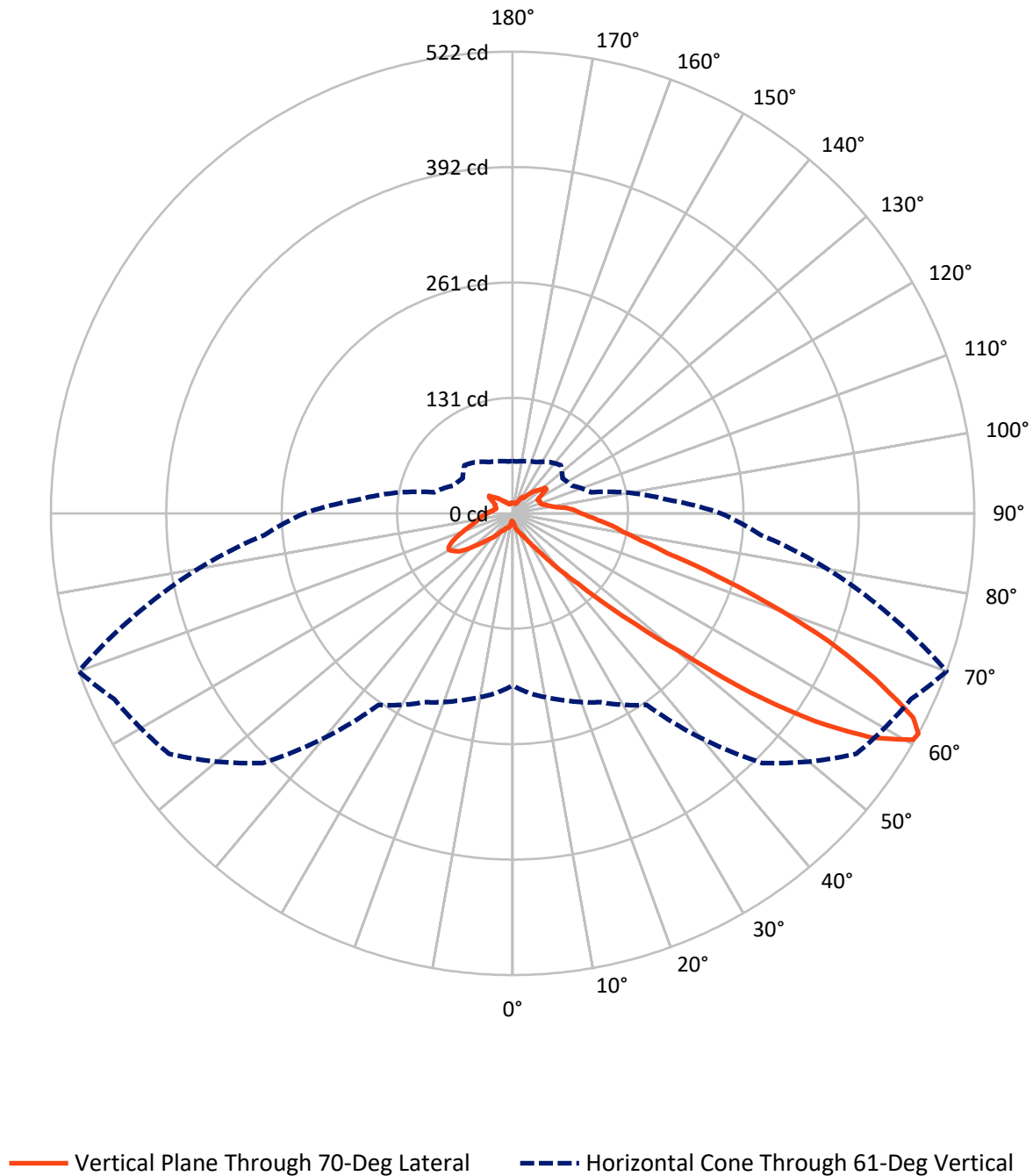
× Max cd
 - - - 1/2 Max cd



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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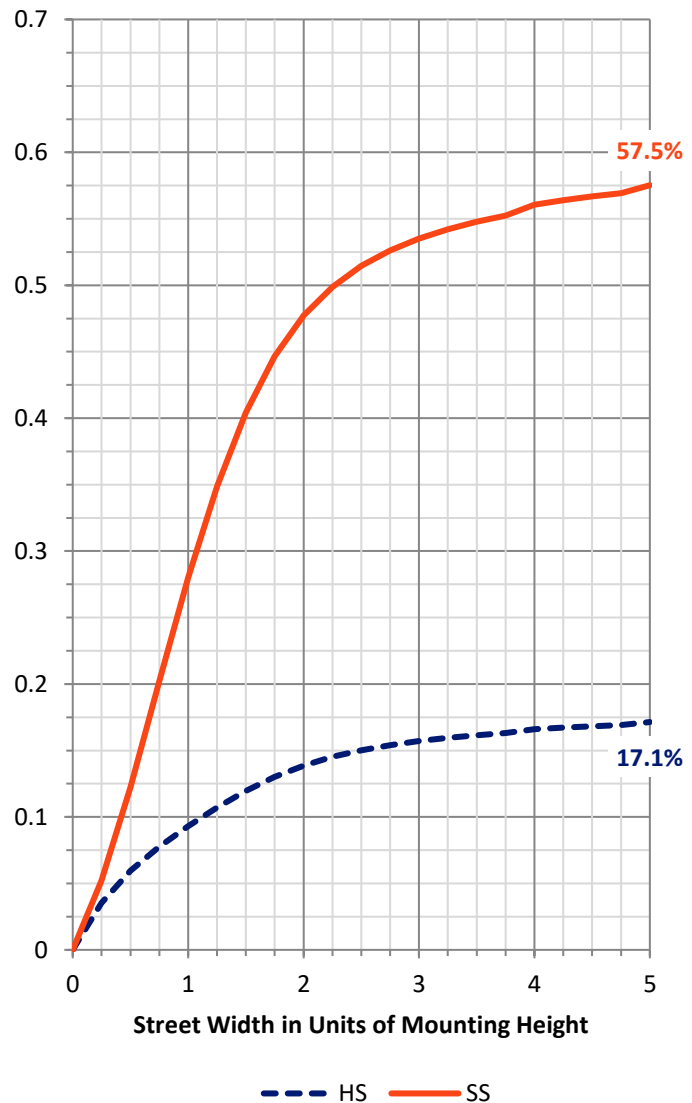
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	135.4	58.1	193.5
	% Fixture	18.2	7.8	26.0
Street Side	Lumens	449.9	102.2	552.1
	% Fixture	60.3	13.7	74.0
Total	Lumens	585.4	160.2	745.6
	% Fixture	78.5	21.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	5.1	0.7
20°-30°	10.9	1.5
30°-40°	23.5	3.1
40°-50°	58.7	7.9
50°-60°	150.9	20.2
60°-70°	180.8	24.2
70°-80°	97.9	13.1
80°-90°	56.7	7.6
90°-100°	38.0	5.1
100°-110°	26.2	3.5
110°-120°	24.2	3.3
120°-130°	29.2	3.9
130°-140°	20.3	2.7
140°-150°	11.4	1.5
150°-160°	6.4	0.9
160°-170°	3.3	0.4
170°-180°	1.1	0.2
0°-90°	585.4	78.5
0°-180°	745.6	100.0

Coefficient of Utilization



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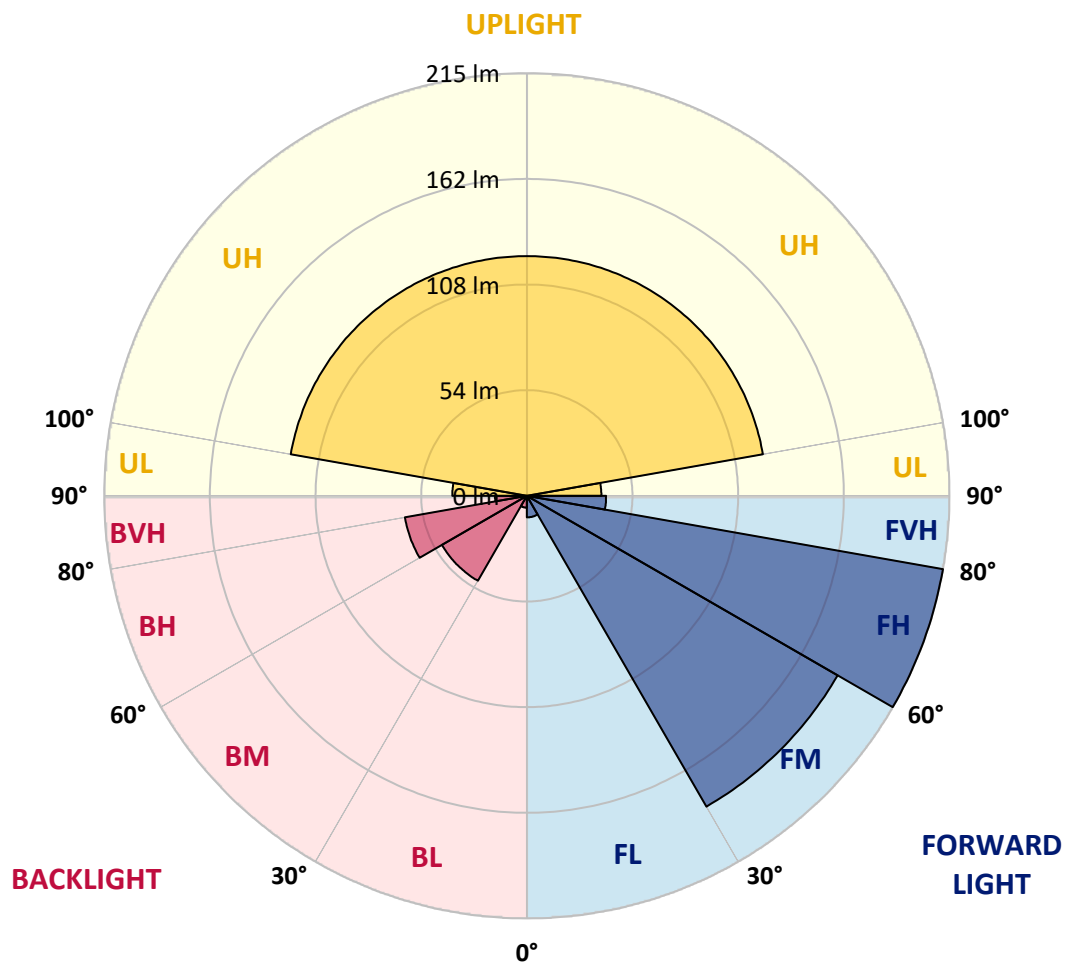
CATALOG NUMBER: FFX-CLB-30-AMB-U-FR-T3-P

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11.0	1.5			
FM	(30°-60°)	183.0	24.5			
FH	(60°-80°)	215.5	28.9			G0/660
FVH	(80°-90°)	40.4	5.4			G1/100
BL	(0°-30°)	6.1	0.8	B0/110		
BM	(30°-60°)	50.0	6.7	B0/220		
BH	(60°-80°)	63.1	8.5	B0/110		G0/110
BVH	(80°-90°)	16.2	2.2			G1/100
UL	(90°-100°)	38.0	5.1		U2/50	
UH	(100°-180°)	122.2	16.4		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°	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.0
5°	13.0	12.0	13.0	13.0	12.0	12.0	12.0	11.0	11.0	11.0	10.0
7.5°	16.0	15.0	15.0	15.0	15.0	14.0	14.0	13.0	13.0	13.0	12.0
10°	19.0	19.0	19.0	18.0	18.0	17.0	16.0	16.0	15.0	15.0	14.0
12.5°	22.0	22.0	22.0	22.0	21.0	20.0	19.0	19.0	18.0	18.0	17.0
15°	24.0	24.0	24.0	24.0	23.0	23.0	22.0	21.0	20.0	20.0	19.0
17.5°	25.0	25.0	25.0	25.0	25.0	24.0	24.0	23.0	22.0	22.0	20.0
20°	27.0	27.0	27.0	27.0	27.0	27.0	26.0	25.0	24.0	24.0	22.0
22.5°	29.0	28.0	29.0	29.0	29.0	29.0	28.0	27.0	26.0	26.0	24.0
25°	30.0	31.0	31.0	31.0	32.0	32.0	32.0	30.0	29.0	29.0	26.0
27.5°	33.0	33.0	33.0	34.0	35.0	36.0	35.0	34.0	33.0	33.0	29.0
30°	36.0	36.0	36.0	37.0	39.0	41.0	40.0	40.0	39.0	38.0	32.0
32.5°	39.0	39.0	40.0	41.0	43.0	46.9	46.9	45.9	45.9	44.0	36.0
35°	44.0	44.0	44.9	46.9	49.9	54.9	55.9	55.9	55.9	52.9	43.0
37.5°	52.9	52.9	54.9	56.9	60.9	68.9	69.9	69.9	69.9	66.9	52.9
40°	61.9	61.9	62.9	64.9	70.9	83.9	86.9	88.9	87.9	82.9	63.9
42.5°	66.9	66.9	70.9	75.9	81.9	100.9	104.9	111.9	108.9	100.9	76.9
45°	78.9	78.9	83.9	89.9	97.9	128.9	138.8	144.8	143.8	127.9	94.9
47.5°	91.9	92.9	98.9	105.9	119.9	163.8	177.8	189.8	187.8	165.8	119.9
50°	111.9	112.9	121.9	132.9	149.8	213.8	231.7	251.7	246.7	219.8	151.8
52.5°	137.8	141.8	152.8	167.8	187.8	275.7	316.6	338.6	336.6	286.7	195.8
55°	160.8	165.8	180.8	199.8	223.7	331.6	384.6	405.5	415.5	356.6	233.7
57.5°	179.8	185.8	202.8	223.7	251.7	376.6	437.5	461.5	478.5	410.5	262.7
60°	194.8	202.8	217.8	237.7	264.7	401.5	476.5	498.4	520.4	444.5	282.7
61°	194.8	203.8	218.8	235.7	264.7	399.5	474.5	497.4	522.4	440.5	281.7
62.5°	190.8	198.8	213.8	231.7	258.7	389.6	461.5	482.5	508.4	429.5	276.7
65°	171.8	178.8	191.8	208.8	234.7	346.6	414.5	432.5	449.5	379.6	248.7
67.5°	149.8	154.8	166.8	178.8	204.8	292.7	361.6	373.6	384.6	320.6	215.8
70°	125.9	128.9	138.8	149.8	169.8	239.7	298.7	305.7	309.7	261.7	179.8
72.5°	102.9	105.9	111.9	121.9	140.8	189.8	231.7	240.7	239.7	201.8	143.8
75°	82.9	85.9	89.9	97.9	111.9	147.8	178.8	184.8	181.8	158.8	114.9
77.5°	72.9	72.9	76.9	82.9	93.9	121.9	147.8	152.8	148.8	128.9	95.9
80°	64.9	64.9	67.9	71.9	80.9	103.9	126.9	130.9	126.9	111.9	84.9
82.5°	57.9	58.9	60.9	64.9	70.9	91.9	110.9	115.9	112.9	98.9	74.9
85°	51.9	51.9	54.9	57.9	62.9	79.9	96.9	99.9	96.9	85.9	65.9
87.5°	45.9	46.9	48.9	51.9	55.9	70.9	85.9	86.9	84.9	74.9	57.9
90°	43.0	43.0	44.9	46.9	49.9	62.9	76.9	77.9	75.9	67.9	52.9
92.5°	40.0	40.0	42.0	44.0	46.9	57.9	69.9	70.9	69.9	61.9	48.9
95°	37.0	38.0	39.0	41.0	42.0	52.9	62.9	62.9	61.9	55.9	44.0
97.5°	32.0	32.0	34.0	35.0	37.0	44.0	50.9	50.9	49.9	45.9	37.0
100°	29.0	30.0	30.0	31.0	33.0	39.0	44.0	44.0	44.0	40.0	33.0
102.5°	28.0	28.0	28.0	29.0	30.0	35.0	40.0	40.0	40.0	37.0	31.0
105°	26.0	26.0	27.0	27.0	28.0	33.0	37.0	37.0	37.0	34.0	29.0
107.5°	25.0	25.0	26.0	26.0	27.0	31.0	34.0	34.0	34.0	32.0	27.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	26.0	26.0	26.0	27.0	28.0	31.0	33.0	34.0	33.0	32.0	28.0
112.5°	27.0	27.0	28.0	28.0	28.0	31.0	33.0	34.0	34.0	32.0	28.0
115°	27.0	28.0	28.0	28.0	28.0	31.0	33.0	33.0	33.0	32.0	28.0
117.5°	27.0	29.0	28.0	28.0	29.0	31.0	32.0	32.0	32.0	31.0	29.0
120°	31.0	32.0	32.0	33.0	34.0	35.0	35.0	35.0	35.0	34.0	33.0
122.5°	35.0	36.0	38.0	39.0	40.0	40.0	40.0	40.0	40.0	39.0	37.0
125°	44.9	44.9	44.9	45.9	46.9	47.9	47.9	47.9	46.9	46.9	43.0
127.5°	44.0	44.0	44.9	44.9	45.9	47.9	47.9	47.9	46.9	46.9	44.0
130°	39.0	38.0	39.0	39.0	40.0	41.0	42.0	42.0	41.0	41.0	38.0
132.5°	35.0	36.0	36.0	36.0	36.0	37.0	38.0	38.0	38.0	37.0	35.0
135°	33.0	33.0	33.0	33.0	33.0	34.0	35.0	35.0	35.0	34.0	31.0
137.5°	29.0	29.0	29.0	29.0	29.0	31.0	31.0	31.0	31.0	30.0	29.0
140°	26.0	26.0	26.0	26.0	26.0	27.0	27.0	27.0	27.0	27.0	25.0
142.5°	22.0	22.0	22.0	23.0	23.0	24.0	23.0	23.0	23.0	23.0	22.0
145°	21.0	21.0	21.0	21.0	21.0	22.0	22.0	22.0	21.0	21.0	20.0
147.5°	20.0	20.0	20.0	21.0	21.0	22.0	22.0	22.0	22.0	21.0	20.0
150°	19.0	19.0	19.0	19.0	20.0	21.0	21.0	20.0	20.0	20.0	18.0
152.5°	17.0	16.0	17.0	17.0	17.0	18.0	17.0	17.0	17.0	17.0	16.0
155°	15.0	15.0	15.0	15.0	15.0	16.0	15.0	15.0	15.0	15.0	14.0
157.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.0	13.0	13.0
160°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.0	12.0	12.0	12.0
162.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
165°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0	11.0	11.0	11.0
167.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
170°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
172.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
175°	12.0	13.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
177.5°	12.0	12.0	13.0	13.0	13.0	12.0	12.0	12.0	12.0	12.0	12.0
180°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

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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°	10.0	10.0	9.0	9.0	8.0	8.0	7.0	7.0	7.0	7.0	7.0
5°	10.0	9.0	9.0	8.0	8.0	7.0	7.0	6.0	6.0	6.0	6.0
7.5°	12.0	11.0	10.0	10.0	9.0	8.0	8.0	8.0	7.0	7.0	7.0
10°	14.0	14.0	13.0	12.0	11.0	10.0	10.0	9.0	9.0	9.0	9.0
12.5°	17.0	16.0	15.0	14.0	13.0	12.0	12.0	11.0	11.0	11.0	11.0
15°	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	12.0	12.0	12.0
17.5°	20.0	19.0	17.0	16.0	15.0	14.0	13.0	12.0	12.0	11.0	11.0
20°	21.0	20.0	18.0	17.0	15.0	14.0	13.0	12.0	11.0	11.0	11.0
22.5°	23.0	22.0	19.0	17.0	16.0	14.0	13.0	12.0	11.0	11.0	11.0
25°	25.0	23.0	21.0	18.0	16.0	15.0	13.0	12.0	12.0	11.0	11.0
27.5°	27.0	25.0	22.0	19.0	17.0	15.0	14.0	13.0	12.0	12.0	11.0
30°	30.0	28.0	24.0	21.0	18.0	16.0	14.0	13.0	12.0	12.0	12.0
32.5°	33.0	31.0	26.0	22.0	19.0	17.0	15.0	14.0	13.0	12.0	12.0
35°	39.0	35.0	29.0	25.0	21.0	18.0	16.0	15.0	13.0	13.0	13.0
37.5°	47.9	42.0	35.0	29.0	24.0	21.0	18.0	16.0	14.0	13.0	14.0
40°	54.9	47.9	39.0	32.0	27.0	24.0	21.0	18.0	16.0	15.0	15.0
42.5°	64.9	55.9	43.0	35.0	28.0	27.0	24.0	21.0	18.0	17.0	17.0
45°	78.9	64.9	49.9	39.0	30.0	29.0	27.0	24.0	21.0	20.0	19.0
47.5°	95.9	76.9	56.9	44.0	34.0	33.0	30.0	27.0	24.0	23.0	22.0
50°	120.9	94.9	65.9	48.9	40.0	39.0	36.0	32.0	28.0	26.0	26.0
52.5°	155.8	118.9	76.9	55.9	46.9	47.9	43.0	38.0	34.0	31.0	31.0
55°	187.8	141.8	84.9	62.9	54.9	58.9	53.9	46.9	42.0	39.0	39.0
57.5°	214.8	160.8	87.9	68.9	61.9	67.9	61.9	55.9	50.9	48.9	47.9
60°	234.7	174.8	90.9	73.9	67.9	74.9	68.9	62.9	58.9	56.9	56.9
61°	235.7	175.8	91.9	73.9	68.9	76.9	70.9	63.9	60.9	58.9	58.9
62.5°	231.7	172.8	89.9	73.9	68.9	77.9	72.9	65.9	62.9	61.9	61.9
65°	209.8	158.8	83.9	68.9	64.9	73.9	69.9	64.9	62.9	63.9	62.9
67.5°	183.8	141.8	75.9	61.9	58.9	65.9	62.9	58.9	57.9	58.9	58.9
70°	152.8	120.9	66.9	54.9	51.9	56.9	54.9	50.9	49.9	50.9	51.9
72.5°	124.9	98.9	58.9	47.9	44.9	47.9	45.9	43.0	42.0	44.0	44.9
75°	98.9	80.9	51.9	42.0	39.0	40.0	38.0	36.0	36.0	38.0	38.0
77.5°	83.9	67.9	46.9	38.0	35.0	35.0	33.0	31.0	30.0	32.0	32.0
80°	73.9	61.9	44.0	36.0	32.0	31.0	29.0	27.0	26.0	27.0	27.0
82.5°	66.9	56.9	41.0	34.0	30.0	29.0	26.0	24.0	23.0	24.0	24.0
85°	58.9	51.9	38.0	31.0	28.0	26.0	24.0	22.0	21.0	22.0	22.0
87.5°	51.9	45.9	34.0	29.0	26.0	25.0	22.0	21.0	20.0	20.0	21.0
90°	46.9	41.0	31.0	27.0	24.0	23.0	21.0	19.0	19.0	19.0	19.0
92.5°	43.0	37.0	29.0	25.0	23.0	22.0	20.0	19.0	18.0	18.0	19.0
95°	40.0	34.0	27.0	24.0	22.0	21.0	19.0	18.0	17.0	17.0	17.0
97.5°	34.0	29.0	24.0	22.0	20.0	19.0	18.0	17.0	16.0	16.0	16.0
100°	30.0	27.0	23.0	21.0	19.0	18.0	17.0	16.0	16.0	16.0	16.0
102.5°	28.0	25.0	22.0	20.0	18.0	17.0	16.0	16.0	15.0	15.0	15.0
105°	26.0	24.0	21.0	19.0	18.0	17.0	16.0	15.0	15.0	15.0	15.0
107.5°	25.0	23.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	14.0	14.0



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.0	24.0	21.0	19.0	18.0	17.0	16.0	15.0	14.0	14.0	14.0
112.5°	27.0	25.0	22.0	20.0	19.0	18.0	16.0	15.0	14.0	14.0	14.0
115°	27.0	25.0	23.0	21.0	19.0	18.0	16.0	15.0	15.0	14.0	14.0
117.5°	29.0	25.0	23.0	21.0	19.0	18.0	16.0	15.0	15.0	15.0	15.0
120°	33.0	29.0	26.0	23.0	21.0	19.0	17.0	16.0	16.0	16.0	16.0
122.5°	37.0	34.0	30.0	26.0	23.0	21.0	19.0	18.0	16.0	16.0	16.0
125°	41.0	38.0	34.0	30.0	27.0	24.0	21.0	18.0	16.0	15.0	15.0
127.5°	42.0	40.0	35.0	31.0	27.0	23.0	20.0	17.0	15.0	14.0	14.0
130°	36.0	34.0	31.0	27.0	24.0	21.0	18.0	16.0	14.0	14.0	14.0
132.5°	33.0	31.0	28.0	25.0	22.0	19.0	17.0	15.0	13.0	13.0	13.0
135°	30.0	29.0	26.0	23.0	21.0	18.0	16.0	14.0	13.0	13.0	13.0
137.5°	27.0	26.0	24.0	21.0	19.0	16.0	15.0	13.0	12.0	12.0	12.0
140°	24.0	23.0	21.0	19.0	17.0	15.0	13.0	12.0	12.0	12.0	12.0
142.5°	21.0	21.0	19.0	17.0	15.0	14.0	13.0	12.0	12.0	12.0	12.0
145°	19.0	18.0	17.0	16.0	15.0	13.0	13.0	12.0	11.0	11.0	11.0
147.5°	19.0	18.0	16.0	15.0	14.0	13.0	12.0	11.0	11.0	11.0	11.0
150°	17.0	16.0	15.0	14.0	13.0	12.0	12.0	11.0	11.0	11.0	11.0
152.5°	15.0	15.0	14.0	13.0	12.0	12.0	11.0	11.0	11.0	11.0	11.0
155°	14.0	13.0	13.0	12.0	12.0	11.0	11.0	11.0	11.0	11.0	11.0
157.5°	13.0	13.0	12.0	12.0	11.0	11.0	11.0	11.0	10.0	11.0	11.0
160°	12.0	12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
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	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
167.5°	11.0	11.0	11.0	11.0	11.0	11.0	12.0	12.0	12.0	12.0	12.0
170°	12.0	12.0	12.0	11.0	11.0	12.0	12.0	12.0	12.0	12.0	12.0
172.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
175°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
177.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
180°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

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

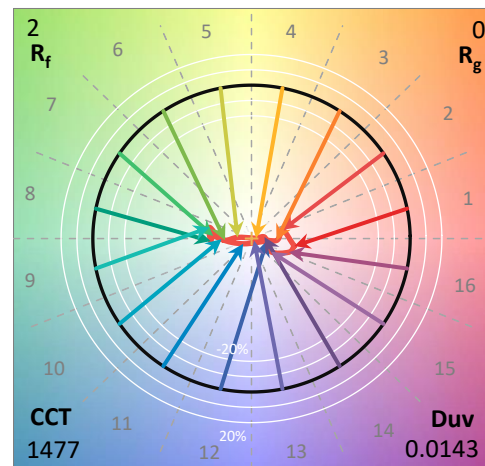
Data in this report applies to families of products including FFX-CLB-AMB-U-FR-T5

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

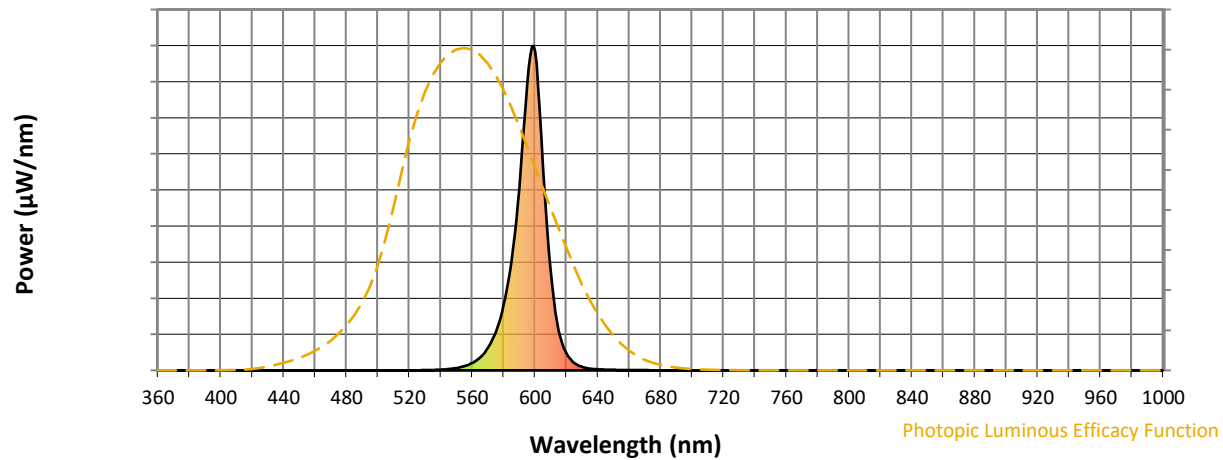
Stabilization Time: 152M
 Operation Time: 3H 32M
 Sphere Temperature (°C): 24.9

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

Photopic Flux vs. Wavelength

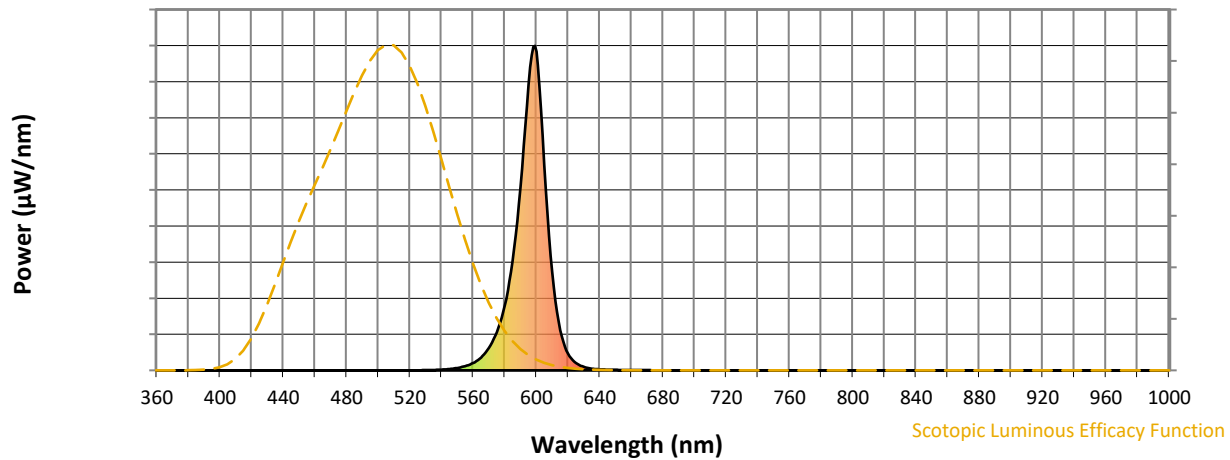


Photopic Lumens: NR

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

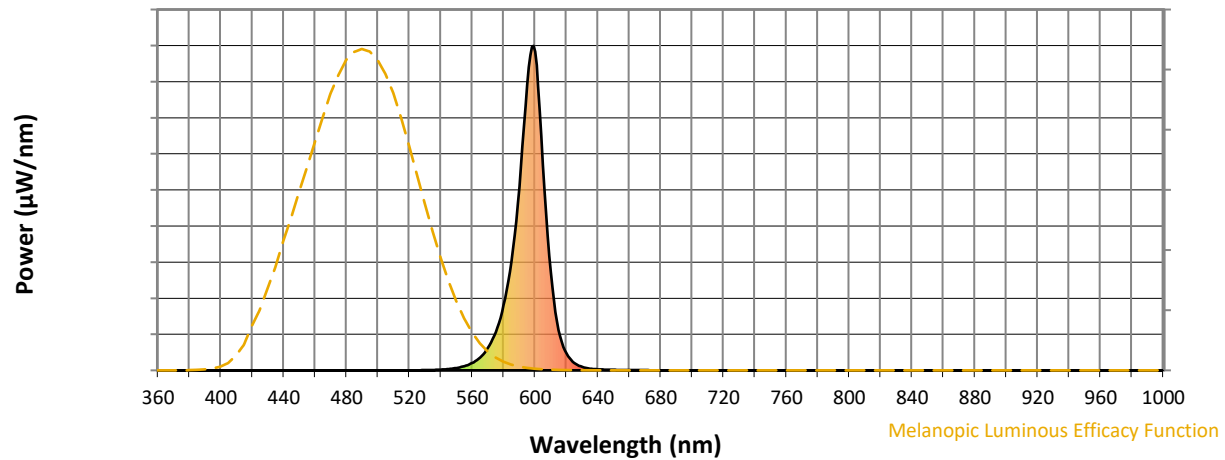


Scotopic Lumens: NR

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

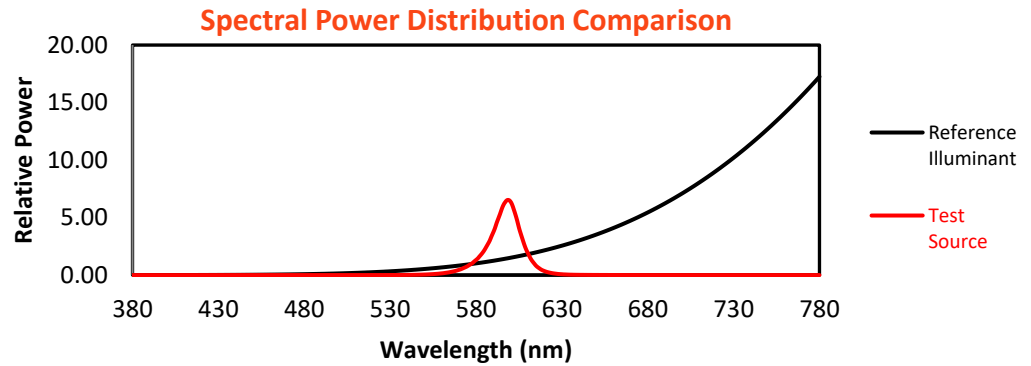
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	0	NR	620	52	NR	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

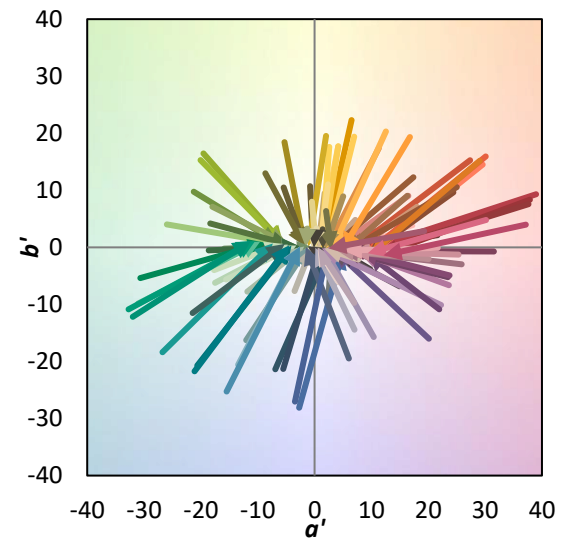
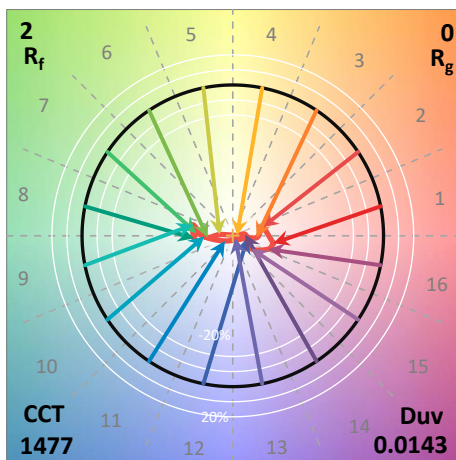
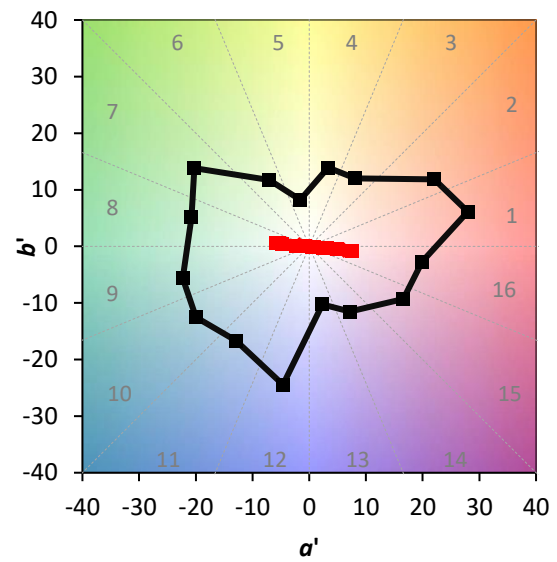
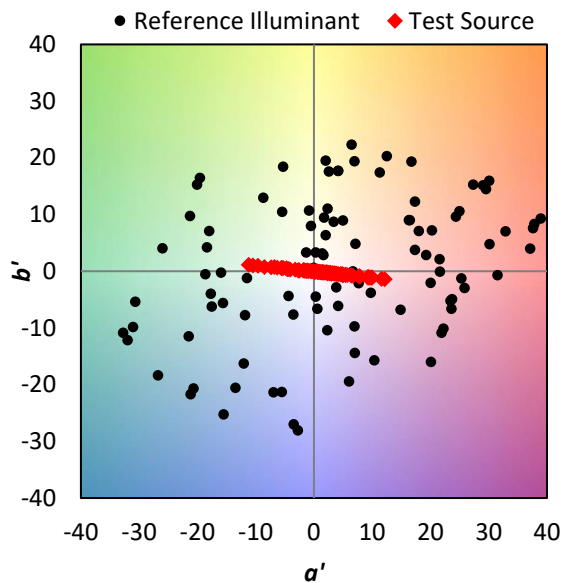
TM-30-18

Summary

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

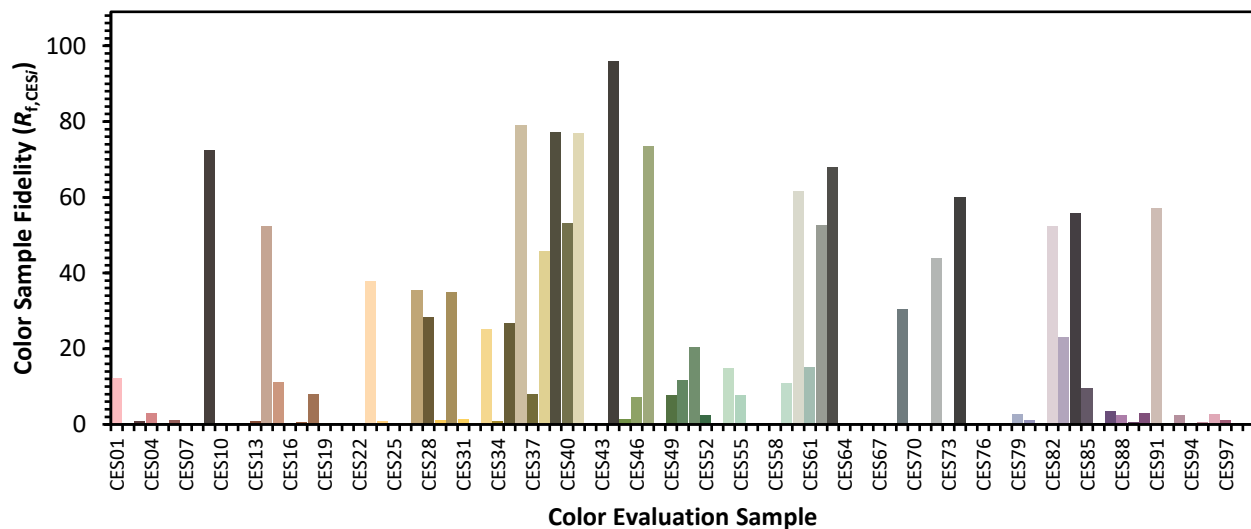


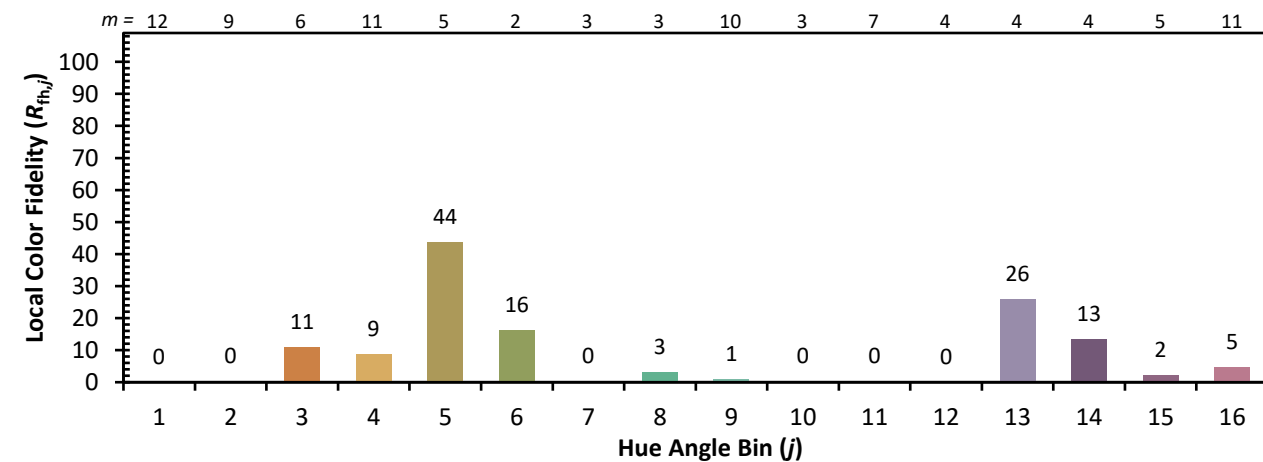
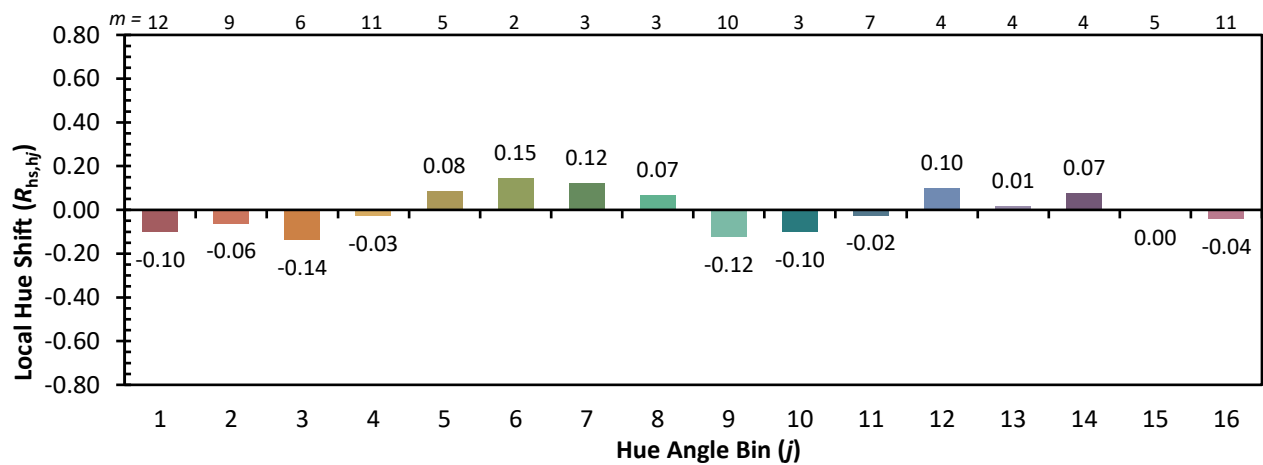
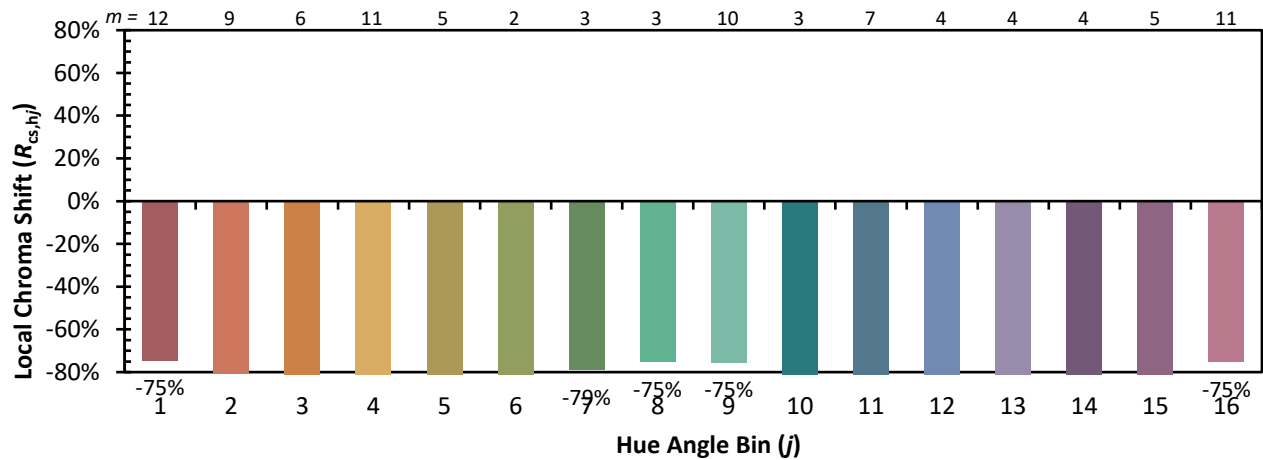
Color Vector Graphics



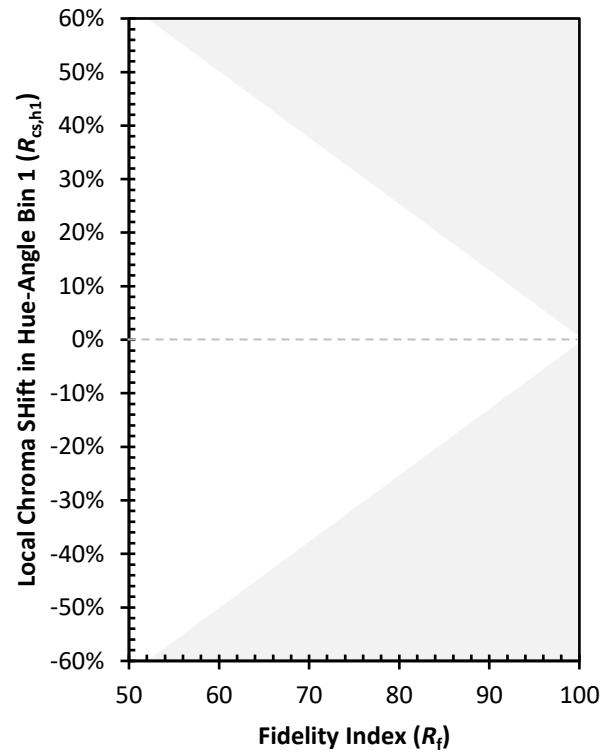
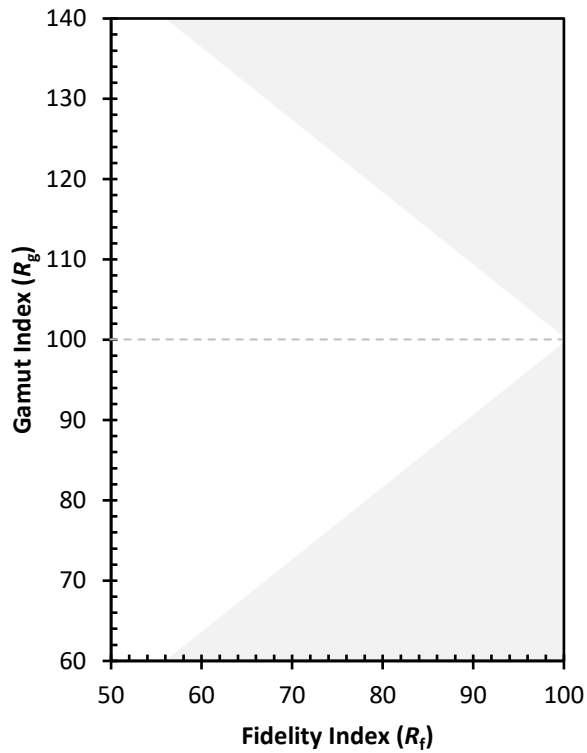
Individual Sample Fidelity Index ($R_{f,i}$)

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)