

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: P1175337

Luminaire Tested: **FFX-CLB-30-AMB-U-FR-T4-UPLR-HSS**

Issue Date: 08/12/2025

Test Information

Test Method: LM-79-08
Report Number: P1175337
Test Lab: INNOVATION CENTER(G2)
Issue Date: 08/12/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-30-AMB-U-FR-T4-UPLR-HSS
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION,
UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source: (4) 1500K CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 772.7 lumens
Efficiency: N/A
Efficacy: 26.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type IV - Short
BUG Rating: B0 - U3 - G1

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



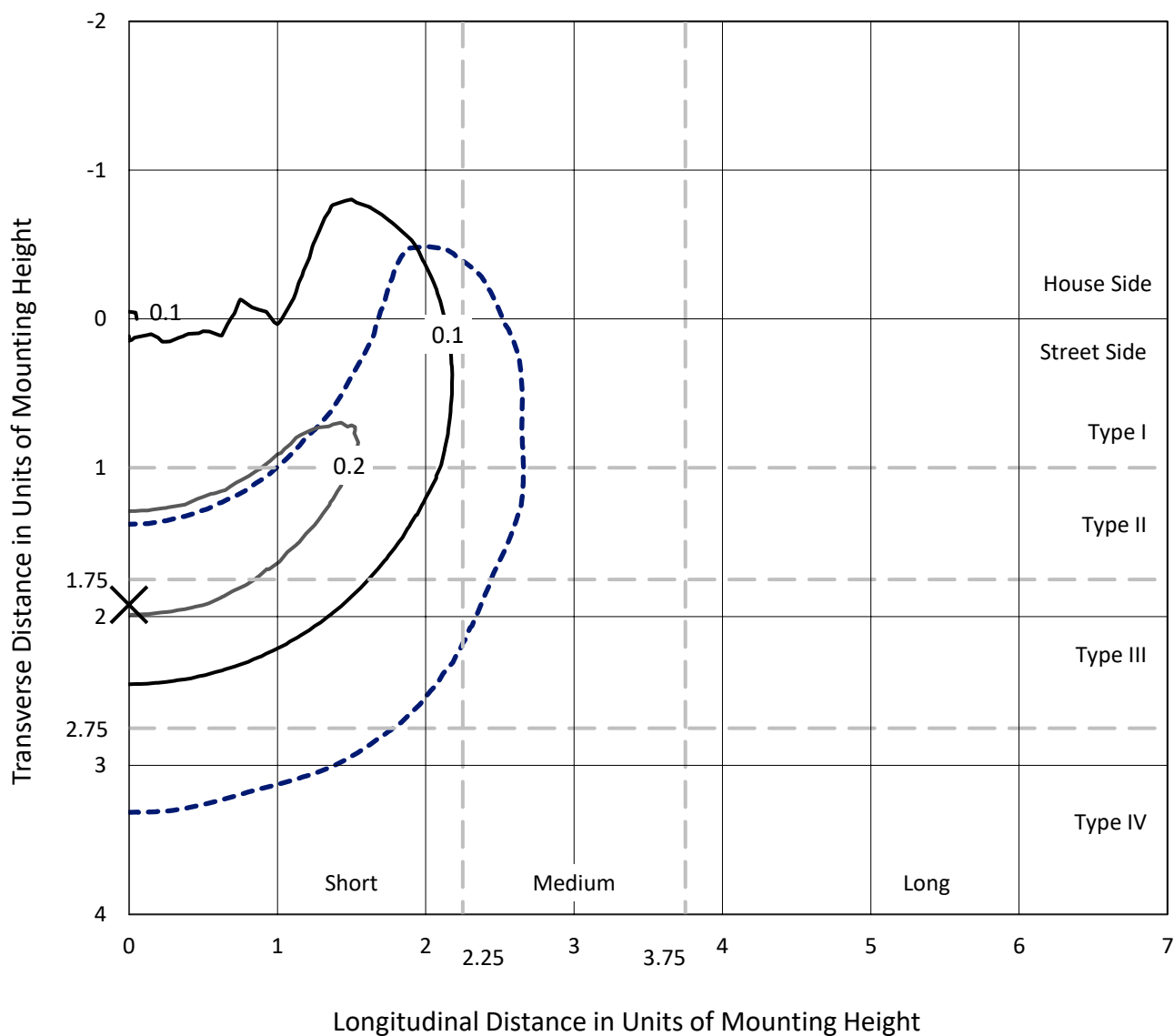
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



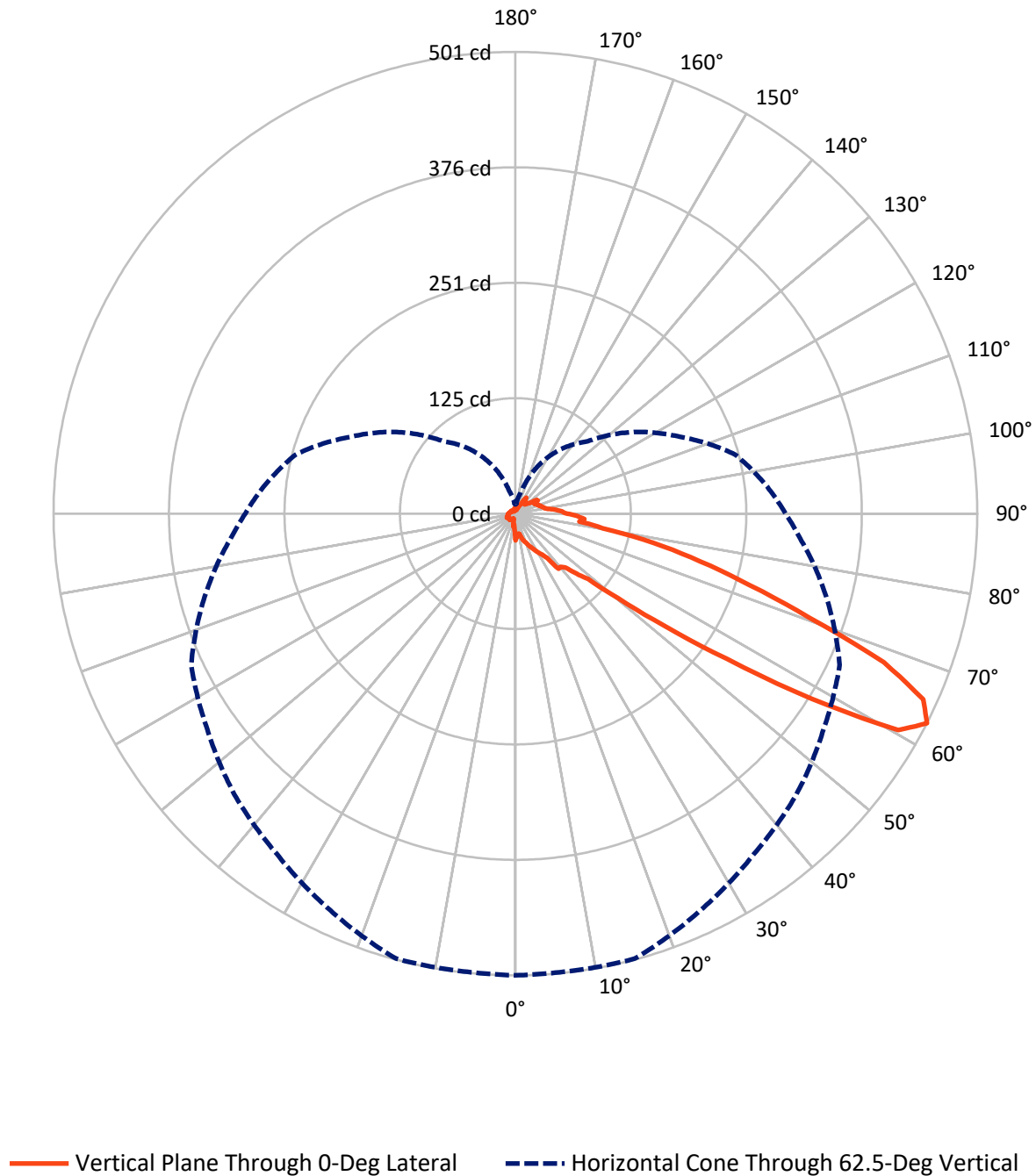
Based on 15 foot mounting height. Maximum calculated value = 0.3 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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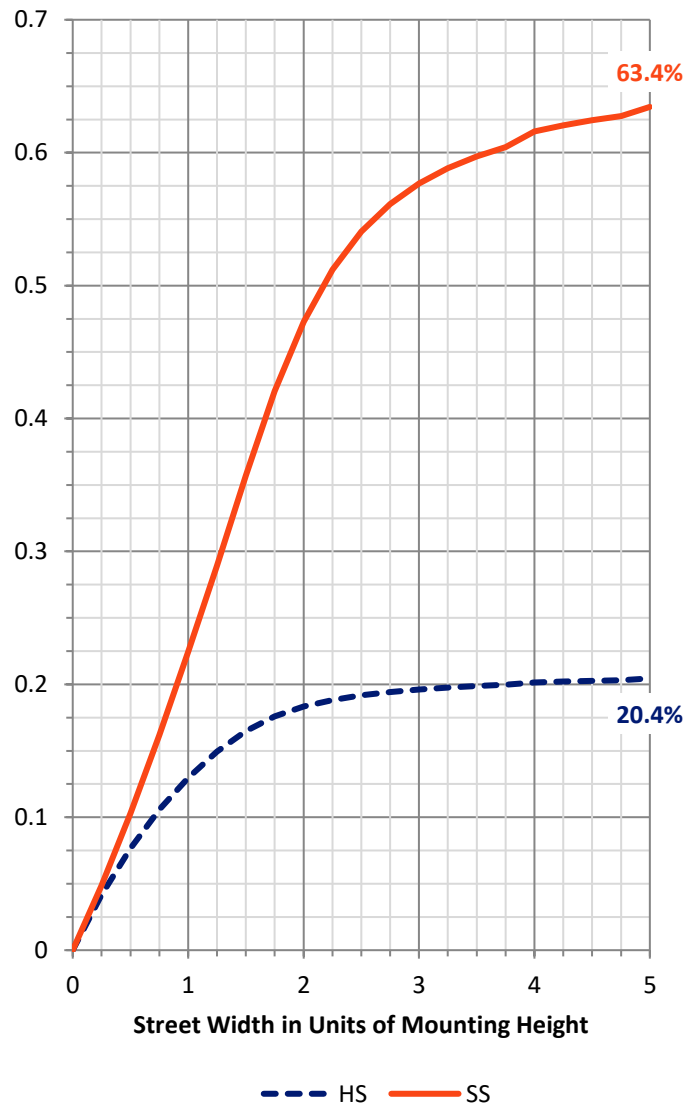
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	163.4	30.4	193.8
	% Fixture	21.1	3.9	25.1
Street Side	Lumens	511.1	67.8	578.9
	% Fixture	66.1	8.8	74.9
Total	Lumens	674.5	98.2	772.7
	% Fixture	87.3	12.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.2
10°-20°	5.4	0.7
20°-30°	11.8	1.5
30°-40°	23.8	3.1
40°-50°	46.7	6.0
50°-60°	151.6	19.6
60°-70°	250.8	32.5
70°-80°	131.3	17.0
80°-90°	51.4	6.7
90°-100°	30.5	4.0
100°-110°	19.6	2.5
110°-120°	14.8	1.9
120°-130°	12.5	1.6
130°-140°	8.3	1.1
140°-150°	7.4	1.0
150°-160°	3.3	0.4
160°-170°	1.4	0.2
170°-180°	0.5	0.1
0°-90°	674.5	87.3
0°-180°	772.7	100.0

Coefficient of Utilization



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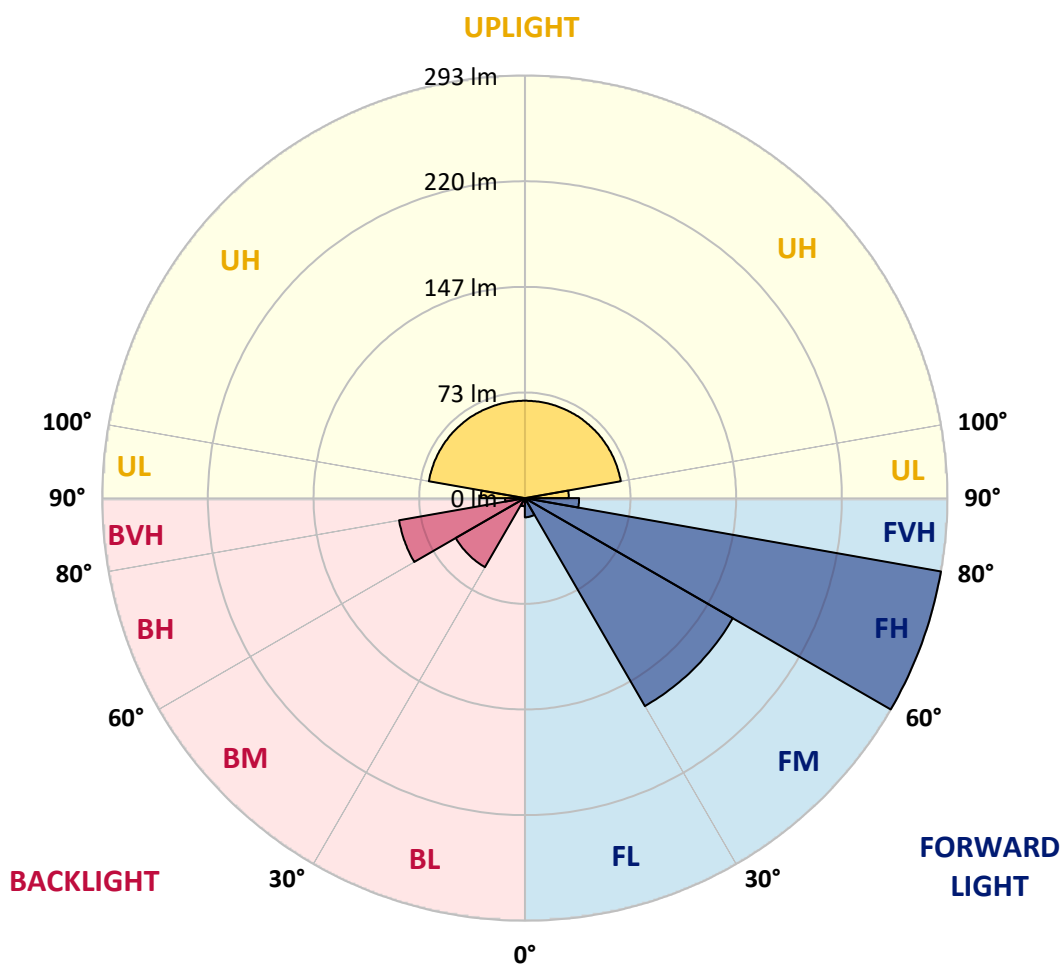
CATALOG NUMBER: FFX-CLB-30-AMB-U-FR-T4-UPLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	13.3	1.7			
FM	(30°-60°)	166.8	21.6			
FH	(60°-80°)	293.4	38.0			G0/660
FVH	(80°-90°)	37.7	4.9			G1/100
BL	(0°-30°)	5.6	0.7	B0/110		
BM	(30°-60°)	55.4	7.2	B0/220		
BH	(60°-80°)	88.7	11.5	B0/110		G0/110
BVH	(80°-90°)	13.8	1.8			G1/100
UL	(90°-100°)	30.5	4.0		U2/50	
UH	(100°-180°)	67.7	8.8		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°	29	29	29	29	29	29	29	29	29	29	29
2.5°	24	24	25	26	26	25	22	18	18	23	24
5°	25	24	24	23	24	22	19	16	14	14	14
7.5°	22	22	22	23	24	23	21	17	15	14	14
10°	22	22	22	23	24	25	25	20	17	15	15
12.5°	25	25	25	25	25	24	24	24	21	18	17
15°	29	29	29	29	28	27	25	23	22	20	19
17.5°	32	32	32	31	30	29	27	26	23	22	21
20°	34	34	34	34	33	32	30	28	26	24	23
22.5°	38	37	37	37	36	35	33	31	29	26	25
25°	41	41	41	41	40	39	36	34	31	29	27
27.5°	45	45	44	45	44	41	39	37	34	31	30
30°	49	49	48	49	46	44	42	39	36	33	32
32.5°	53	53	52	52	49	47	44	42	39	36	34
35°	59	59	60	61	57	54	51	48	47	43	43
37.5°	76	75	72	69	67	68	66	63	59	52	50
40°	76	75	75	76	74	71	68	65	62	56	53
42.5°	80	80	83	85	83	78	71	68	64	61	59
45°	93	92	92	89	87	87	84	80	73	66	62
47.5°	106	106	108	110	107	103	98	92	86	78	74
50°	144	144	146	143	140	138	135	126	118	102	100
52.5°	201	200	200	196	190	187	185	171	158	136	131
55°	278	277	283	281	272	259	247	218	201	177	173
57.5°	379	379	379	360	350	334	321	283	260	226	221
60°	477	474	468	432	412	398	384	359	321	276	263
62.5°	501	500	500	475	451	431	408	388	349	310	293
65°	486	483	475	460	440	418	401	387	345	310	292
67.5°	431	428	422	410	396	378	361	351	315	287	266
70°	338	338	338	343	330	309	289	276	247	232	216
72.5°	266	266	262	267	261	246	224	216	191	173	161
75°	207	208	201	201	200	198	189	181	159	138	126
77.5°	153	155	148	151	157	164	156	151	132	118	111
80°	96	98	97	100	105	109	101	101	91	93	89
82.5°	70	71	74	76	77	74	67	66	62	63	60
85°	75	75	72	70	69	70	69	66	61	53	50
87.5°	66	67	65	64	67	67	64	64	58	53	50
90°	54	54	55	55	57	54	53	54	50	48	45
92.5°	50	51	50	49	49	48	46	46	42	39	37
95°	44	44	43	42	41	40	38	39	35	34	32
97.5°	36	36	35	34	34	32	30	30	27	26	25
100°	32	32	32	31	30	29	27	27	25	23	22
102.5°	31	31	31	29	28	27	26	26	24	22	21
105°	29	29	29	27	27	26	25	25	23	21	19
107.5°	28	27	27	26	26	24	24	23	22	19	18
110°	26	26	26	25	24	23	22	22	20	19	17



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CATALOG NUMBER: FFX-CLB-30-AMB-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	26	25	26	22	21	20	20	20	18	17	16
115°	24	23	24	21	20	19	18	18	17	16	15
117.5°	23	23	23	23	21	19	18	18	16	16	16
120°	28	26	26	24	22	22	21	20	19	16	16
122.5°	27	26	27	24	25	25	25	24	22	17	14
125°	21	21	20	20	19	19	19	19	18	17	15
127.5°	18	18	17	17	16	15	15	15	14	14	13
130°	17	16	17	17	16	15	15	14	13	12	12
132.5°	15	15	16	17	17	15	13	13	13	13	13
135°	14	14	15	15	15	14	13	13	13	13	12
137.5°	15	15	15	14	14	14	13	13	13	12	11
140°	16	16	15	15	15	15	15	14	12	11	10
142.5°	17	17	17	18	17	16	16	15	14	13	12
145°	21	20	20	20	20	19	19	18	17	15	15
147.5°	17	17	17	16	17	17	17	18	17	16	15
150°	12	12	12	12	13	13	13	14	13	13	12
152.5°	10	10	10	10	10	10	10	10	9	9	8
155°	9	9	9	9	9	9	9	9	9	8	8
157.5°	7	7	7	7	7	7	7	7	7	7	6
160°	6	6	6	6	6	6	6	6	6	6	6
162.5°	5	5	5	5	5	5	5	5	5	6	5
165°	4	4	5	5	5	5	5	5	5	6	5
167.5°	4	4	4	4	4	4	5	5	6	6	5
170°	4	4	4	4	4	5	5	5	5	5	5
172.5°	4	4	4	4	5	5	5	5	5	5	5
175°	4	4	4	4	5	5	5	5	5	5	5
177.5°	4	4	4	4	4	4	4	4	4	4	4
180°	4	4	4	4	4	4	4	4	4	4	4

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CATALOG NUMBER: FFX-CLB-30-AMB-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	29	29	29	29	29	29	29	29	29	29
2.5°	23	18	16	19	23	28	27	22	19	19
5°	14	14	13	11	13	16	16	16	15	15
7.5°	13	13	13	12	13	10	13	13	13	12
10°	14	14	14	12	11	10	9	11	13	14
12.5°	16	15	14	14	11	9	8	9	10	10
15°	18	16	14	12	10	8	7	7	7	7
17.5°	20	17	15	13	10	8	7	6	6	6
20°	22	19	17	14	11	8	7	7	6	6
22.5°	24	21	18	14	11	9	7	7	6	6
25°	26	23	19	15	11	9	7	7	6	6
27.5°	28	25	21	16	12	10	8	7	7	6
30°	30	27	23	17	13	11	9	8	7	7
32.5°	32	28	24	18	14	11	9	8	8	8
35°	39	35	27	19	15	12	10	9	8	8
37.5°	48	43	34	21	16	13	11	9	8	8
40°	48	42	35	24	17	14	11	9	8	8
42.5°	56	48	37	26	19	15	12	9	8	8
45°	59	53	44	31	23	17	13	10	9	9
47.5°	70	61	49	37	27	21	14	11	9	9
50°	95	84	67	48	34	26	18	12	9	9
52.5°	123	108	90	68	50	38	25	15	9	9
55°	164	147	119	91	71	57	40	22	10	8
57.5°	212	198	161	123	91	73	56	31	11	9
60°	248	229	191	151	108	82	58	32	11	9
62.5°	278	247	197	154	111	85	56	25	11	10
65°	278	244	191	143	102	76	47	19	10	10
67.5°	253	224	175	128	90	63	37	14	10	10
70°	207	184	143	102	73	52	30	12	9	9
72.5°	154	136	107	79	58	40	22	11	9	9
75°	120	106	85	60	44	29	16	10	9	9
77.5°	107	96	72	44	31	22	13	9	8	8
80°	90	79	52	31	23	17	11	9	8	8
82.5°	58	52	37	26	20	15	11	9	8	8
85°	47	42	35	25	19	15	11	9	8	8
87.5°	49	44	33	23	18	14	10	8	8	8
90°	43	39	29	21	16	13	9	8	7	7
92.5°	36	32	26	20	15	12	9	8	7	7
95°	31	29	23	18	14	11	9	7	7	7
97.5°	25	22	19	15	12	10	8	7	6	6
100°	22	20	17	14	11	10	8	6	6	6
102.5°	20	19	16	13	11	9	7	6	6	6
105°	19	18	15	12	10	8	7	6	6	6
107.5°	18	17	14	11	9	8	7	6	6	6
110°	17	16	13	11	9	7	6	6	5	5



REPORT NUMBER: P1175337

CATALOG NUMBER: FFX-CLB-30-AMB-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16	14	12	10	9	7	6	6	5	5
115°	15	14	12	10	8	7	6	5	5	5
117.5°	15	13	11	9	8	7	6	5	5	5
120°	14	12	11	10	8	6	6	5	5	5
122.5°	15	15	13	9	7	6	6	5	5	5
125°	17	15	12	8	7	6	6	5	5	5
127.5°	14	12	10	8	7	6	6	5	5	5
130°	12	11	9	8	7	6	5	5	5	5
132.5°	13	11	9	7	6	6	5	5	4	4
135°	12	10	8	7	6	6	5	5	4	4
137.5°	11	9	8	7	7	6	5	5	4	4
140°	10	9	8	8	7	6	5	4	4	4
142.5°	12	10	9	7	6	5	5	4	4	3
145°	14	12	10	9	7	6	5	4	3	3
147.5°	15	13	12	9	7	6	4	4	3	3
150°	12	11	10	8	6	5	4	3	3	3
152.5°	8	8	7	6	5	4	3	3	3	3
155°	8	7	7	5	4	4	4	3	3	3
157.5°	6	6	5	5	4	4	4	4	3	3
160°	6	5	5	4	4	4	4	4	4	3
162.5°	5	5	5	4	4	4	4	4	4	4
165°	5	5	4	4	5	5	5	4	4	4
167.5°	5	5	4	5	5	6	5	5	4	4
170°	5	5	5	5	5	5	5	5	5	6
172.5°	5	5	6	6	6	5	5	6	6	6
175°	5	6	6	6	6	6	6	6	6	6
177.5°	4	5	5	5	5	4	5	5	5	4
180°	4	4	4	4	4	4	4	4	4	4

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

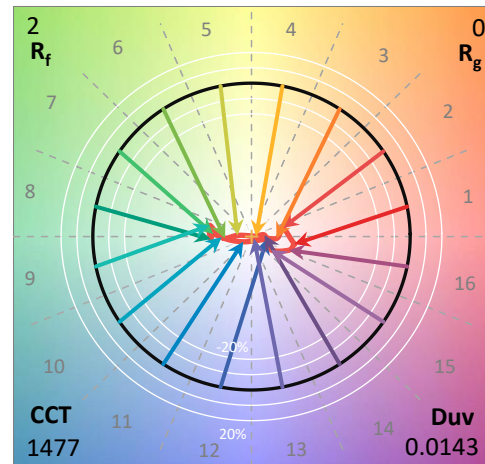
Data in this report applies to families of products including FFX-CLB-AMB-U-FR-T5

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

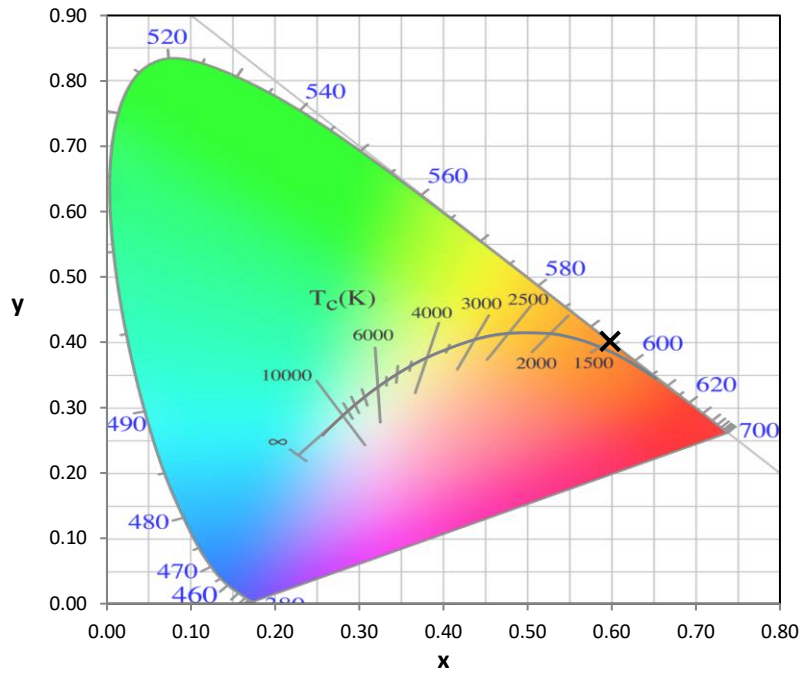
Stabilization Time: 152M
 Operation Time: 3H 32M
 Sphere Temperature (°C): 24.9

REPORT NUMBER: SP1-2501-332-6

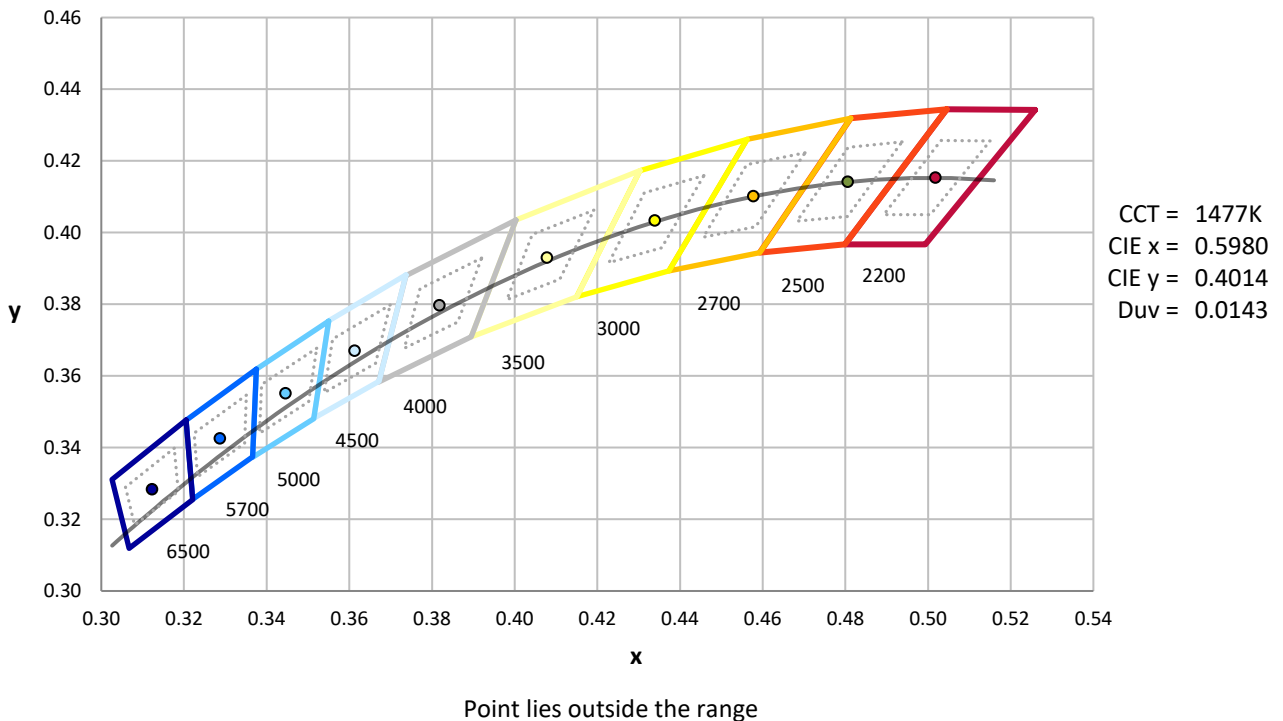
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

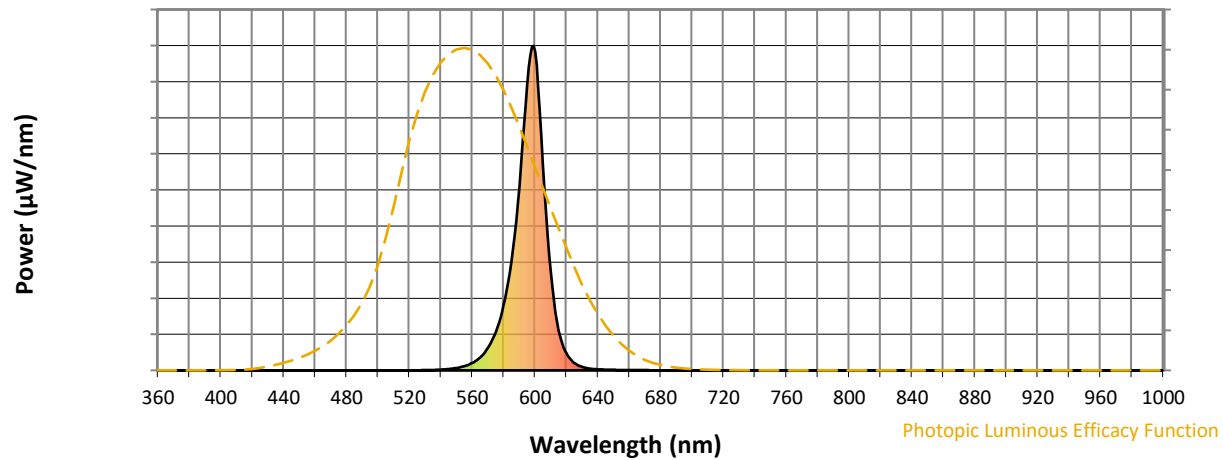


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

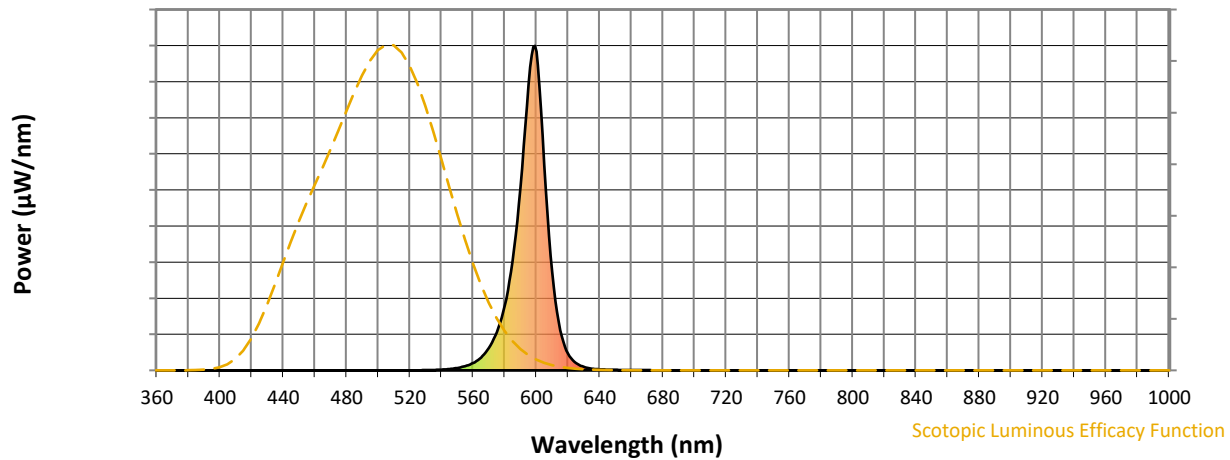


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength



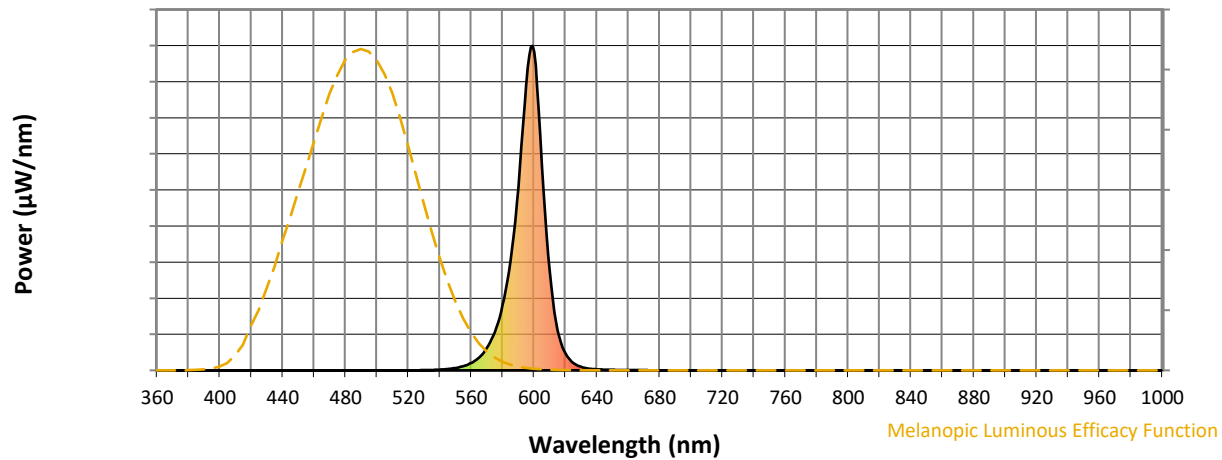
Scotopic Lumens: NR

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

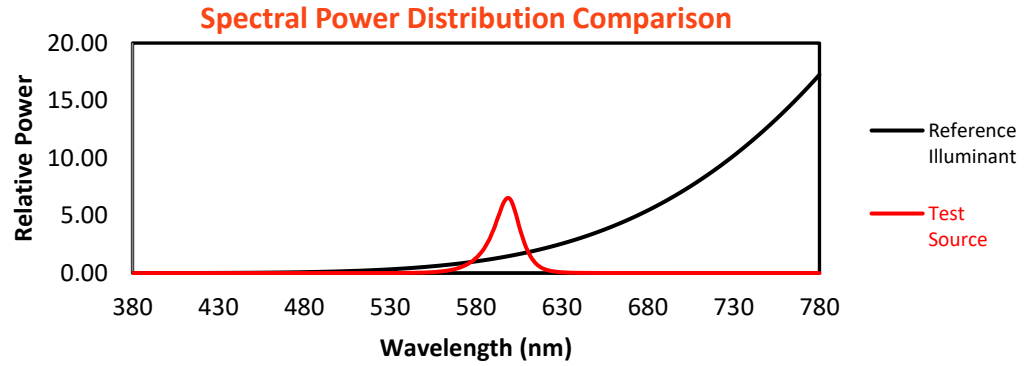
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	0	NR	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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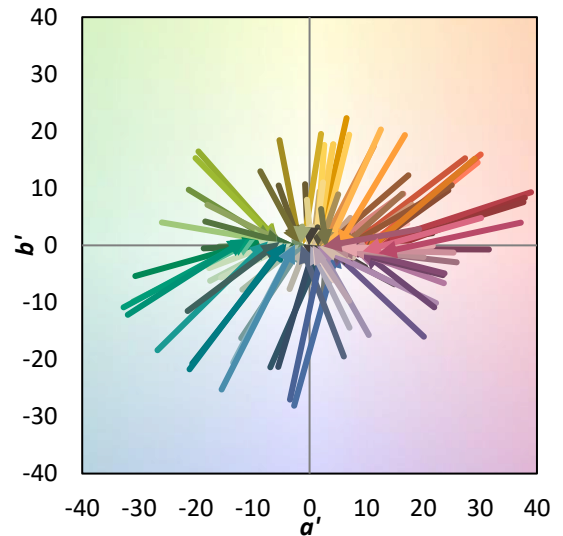
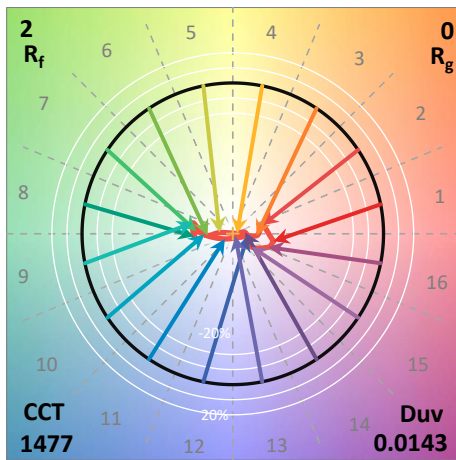
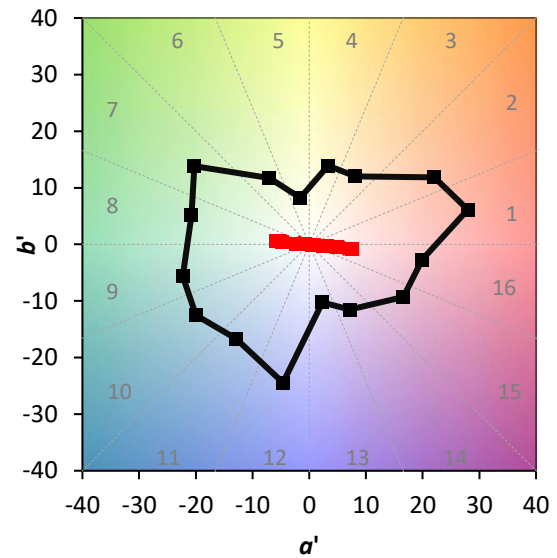
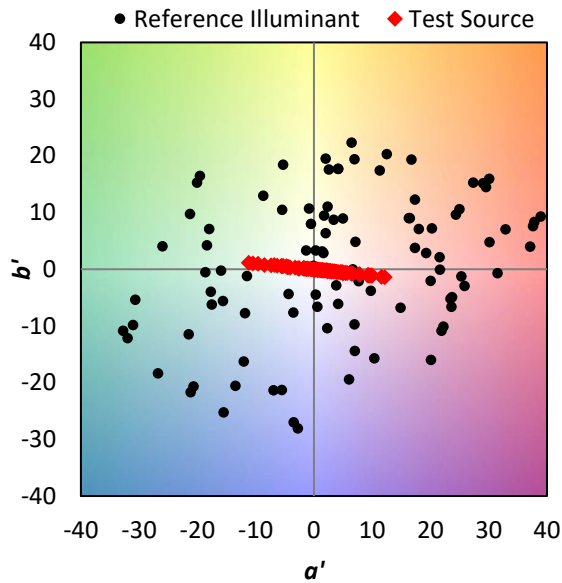
TM-30-18

Summary

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

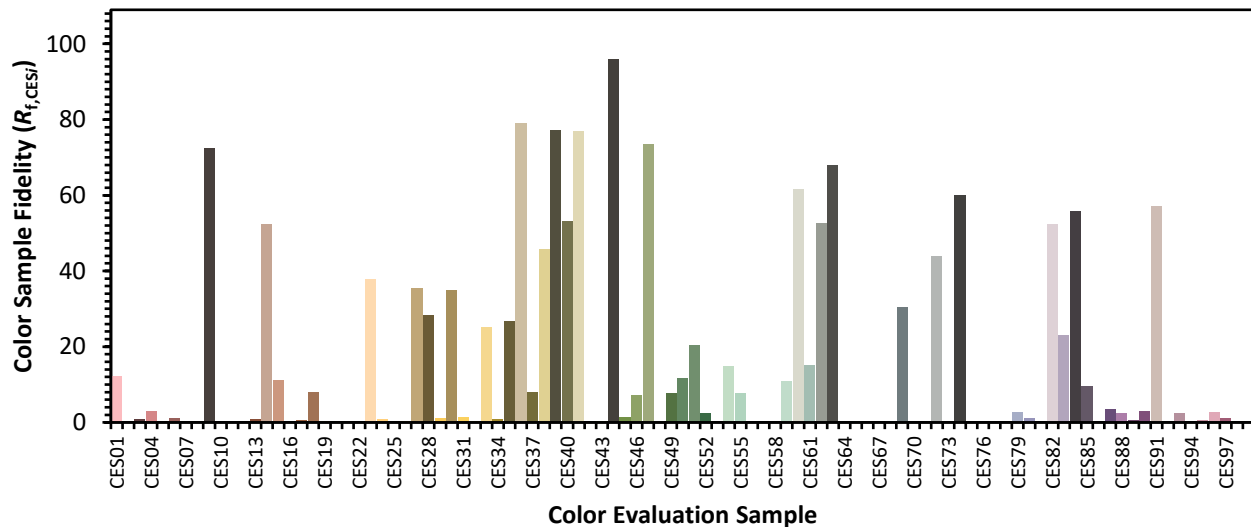


Color Vector Graphics

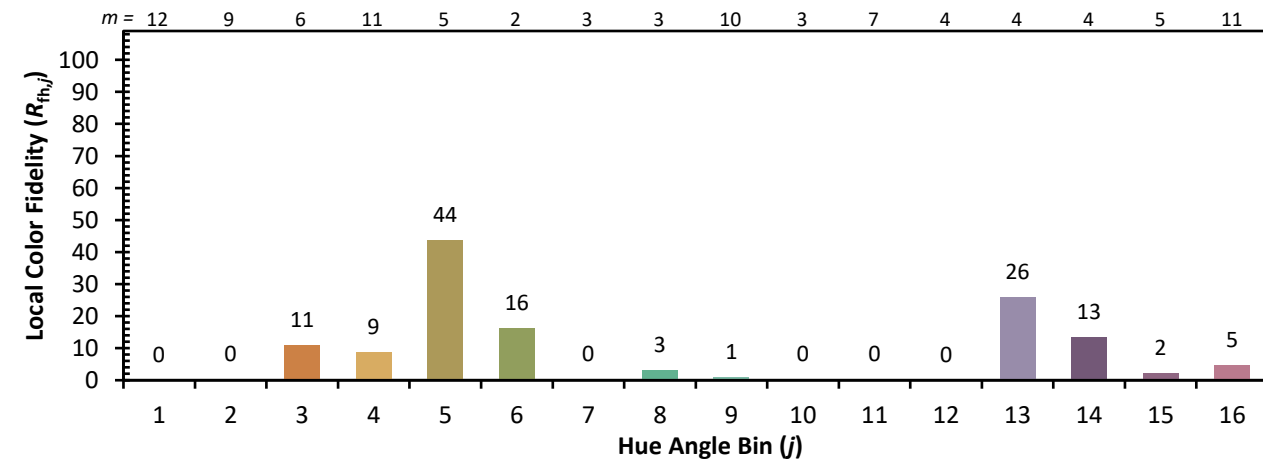
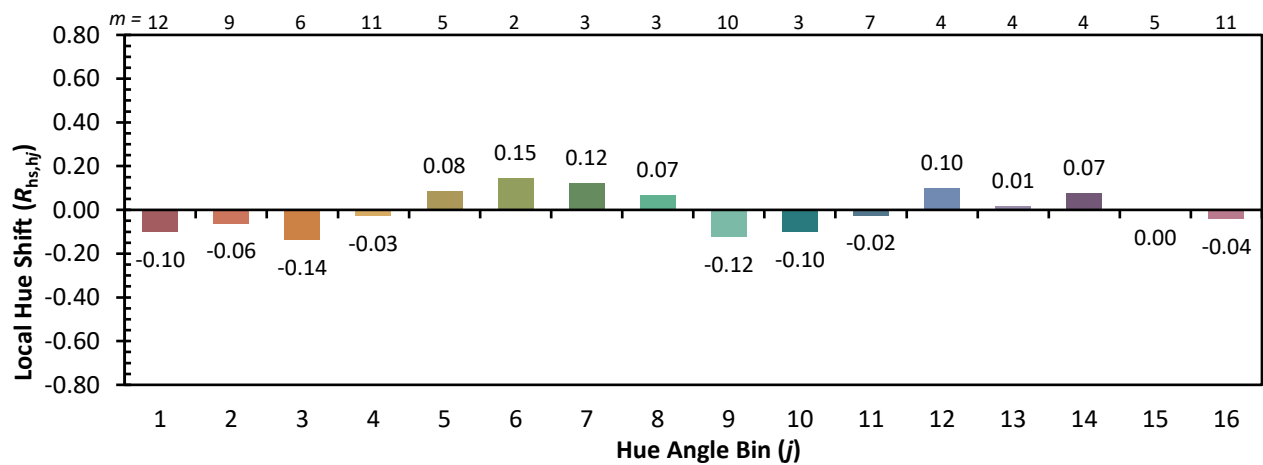
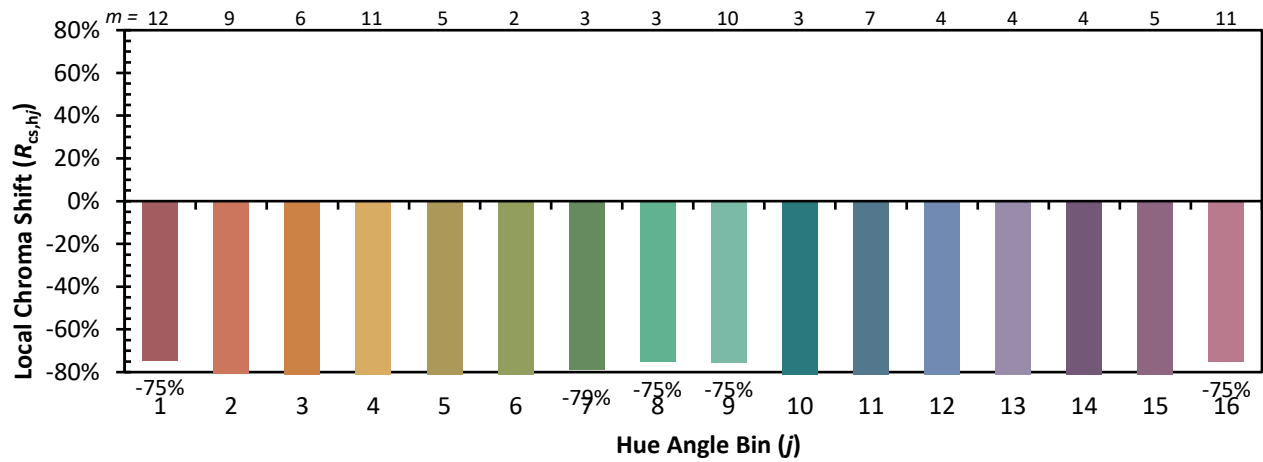


Individual Sample Fidelity Index ($R_{f,i}$)

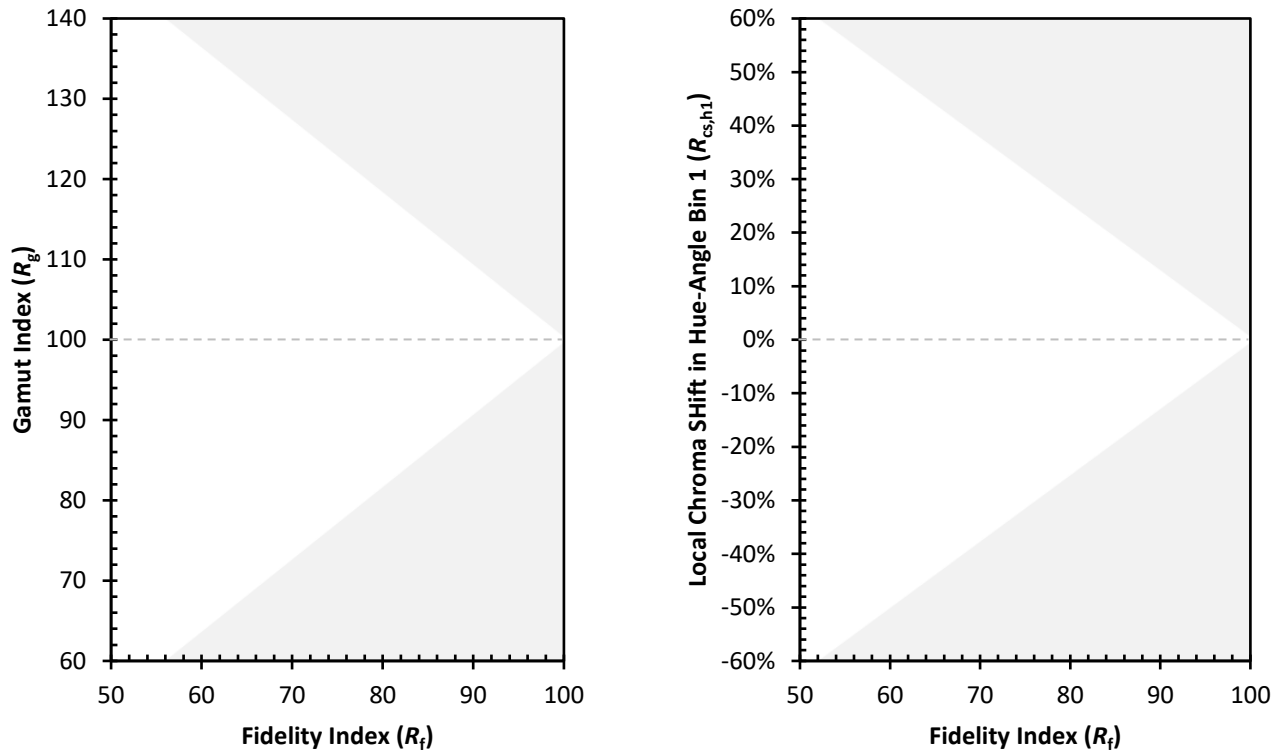
CES01 = 90	CES26 = 0	CES51 = 20	CES76 = 0
CES02 = 70	CES27 = 35	CES52 = 3	CES77 = 0
CES03 = 31	CES28 = 28	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 1	CES54 = 15	CES79 = 3
CES05 = 52	CES30 = 35	CES55 = 8	CES80 = 1
CES06 = 56	CES31 = 1	CES56 = 0	CES81 = 0
CES07 = 42	CES32 = 0	CES57 = 0	CES82 = 52
CES08 =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



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Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)