

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: INVUE

Report Number: P1459759

Luminaire Tested: ABB-CX-840-X-U-A-GM-CBP

Issue Date: 5/26/2026

Test Information

Test Method: LM-79-2024
Report Number: P1459759
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2509-539-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/27/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: INVUE
Catalog Number: ABB-CX-840-X-U-A-GM-CBP
Description: ARBOR OUTDOOR ARCHITECTURAL BOLLARD LUMINAIRE
ASYMMETRIC OPTIC, GRAPHITE METALLIC PAINTED FINISH
Light Source: 2200K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

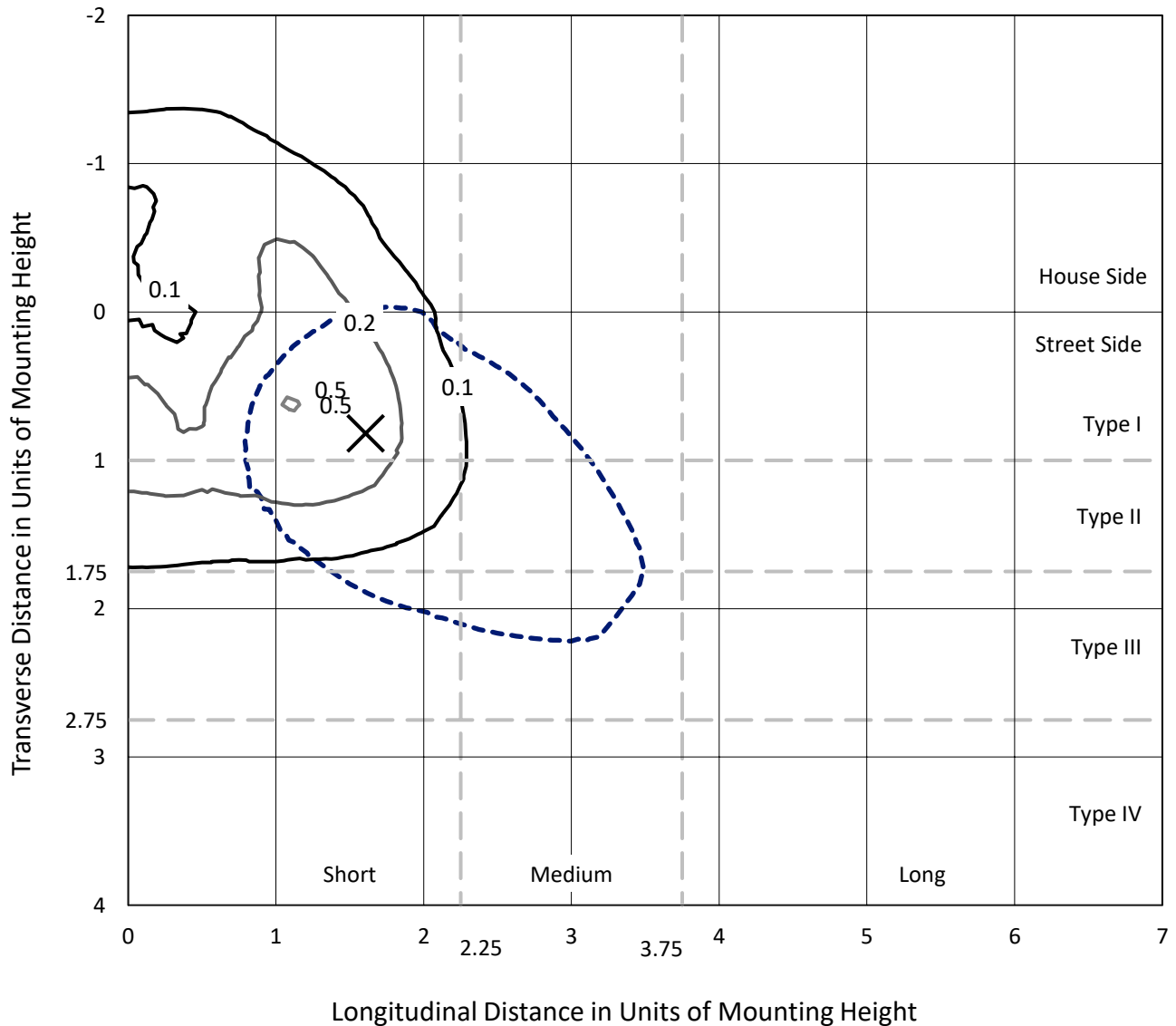
Lumens per Lamp: N/A
Luminaire Lumens: 341.8 lumens
Efficiency: N/A
Efficacy: 38.4 lumens/watt
Luminous Opening: Circular (Dia: 0.4' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 8.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: N/R
Total Harmonic Distortion (THDi): N/R
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: 3 HR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1459759
 CATALOG NUMBER: ABB-CX-840-X-U-A-GM-CBP

Iso-Footcandle Lines of Horizontal Illumination

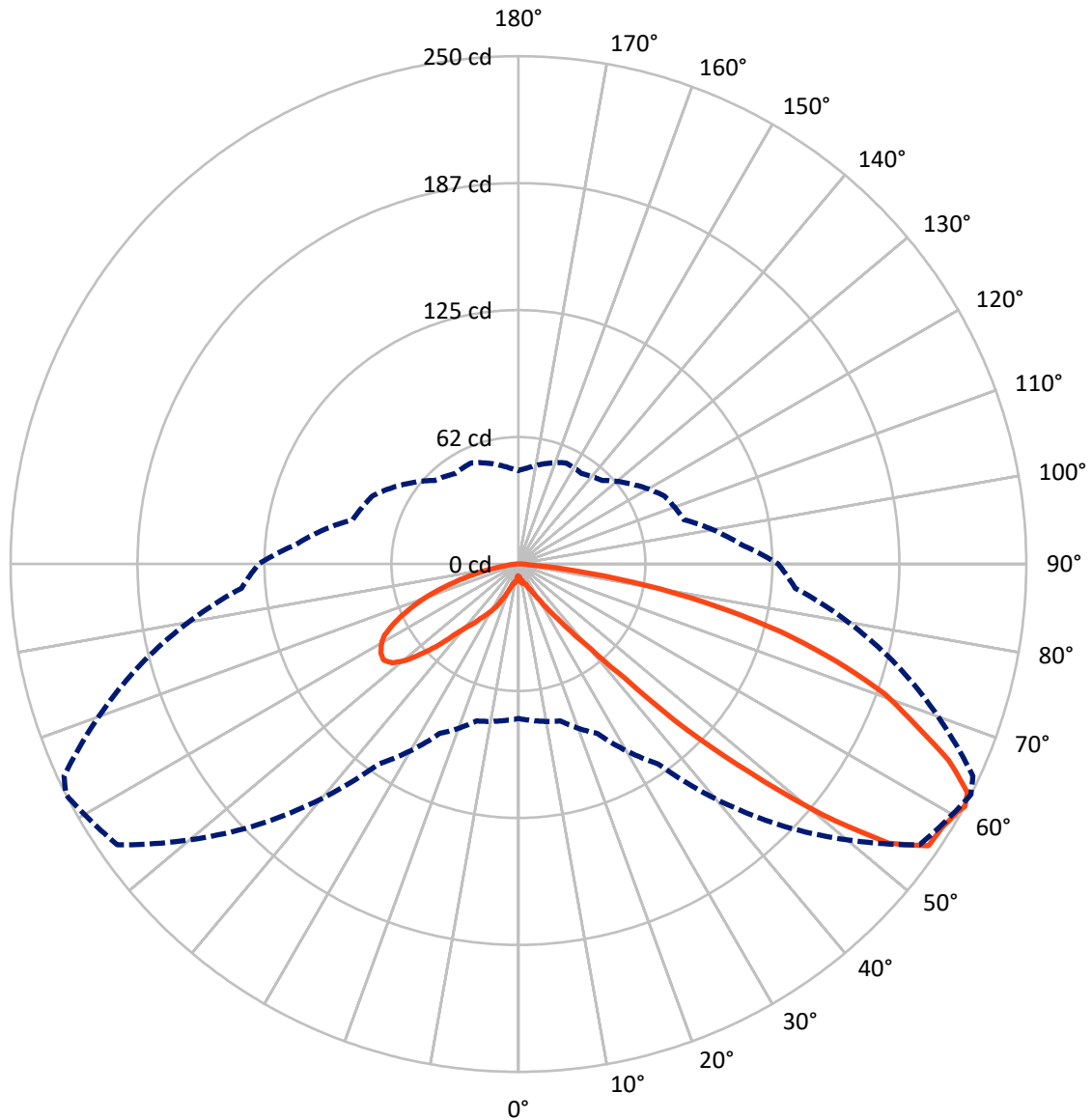
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Short - N/A

REPORT NUMBER: P1459759
CATALOG NUMBER: ABB-CX-840-X-U-A-GM-CBP

Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 61-Deg Vertical

REPORT NUMBER: P1459759

CATALOG NUMBER: ABB-CX-840-X-U-A-GM-CBP

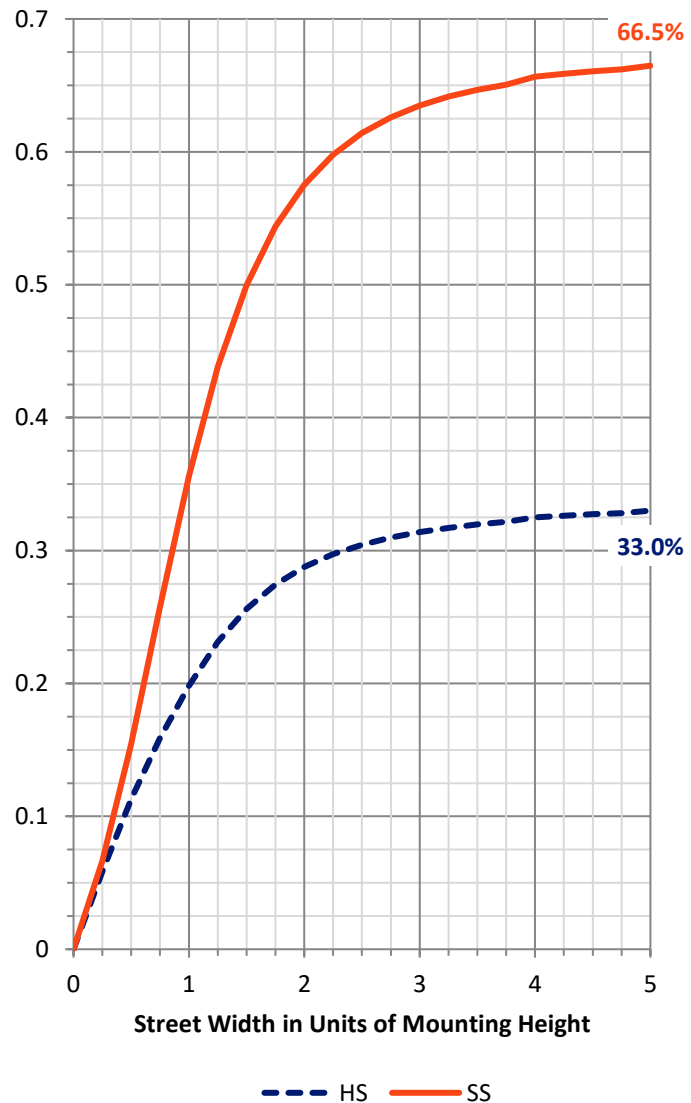
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	113.6	0.0	113.6
	% Fixture	33.2	0.0	33.2
Street Side	Lumens	228.2	0.0	228.2
	% Fixture	66.8	0.0	66.8
Total	Lumens	341.8	0.0	341.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.2
10°-20°	3.4	1.0
20°-30°	8.6	2.5
30°-40°	19.5	5.7
40°-50°	50.6	14.8
50°-60°	96.8	28.3
60°-70°	97.6	28.6
70°-80°	56.6	16.6
80°-90°	8.0	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	341.8	100.0
0°-180°	341.8	100.0



REPORT NUMBER: P1459759

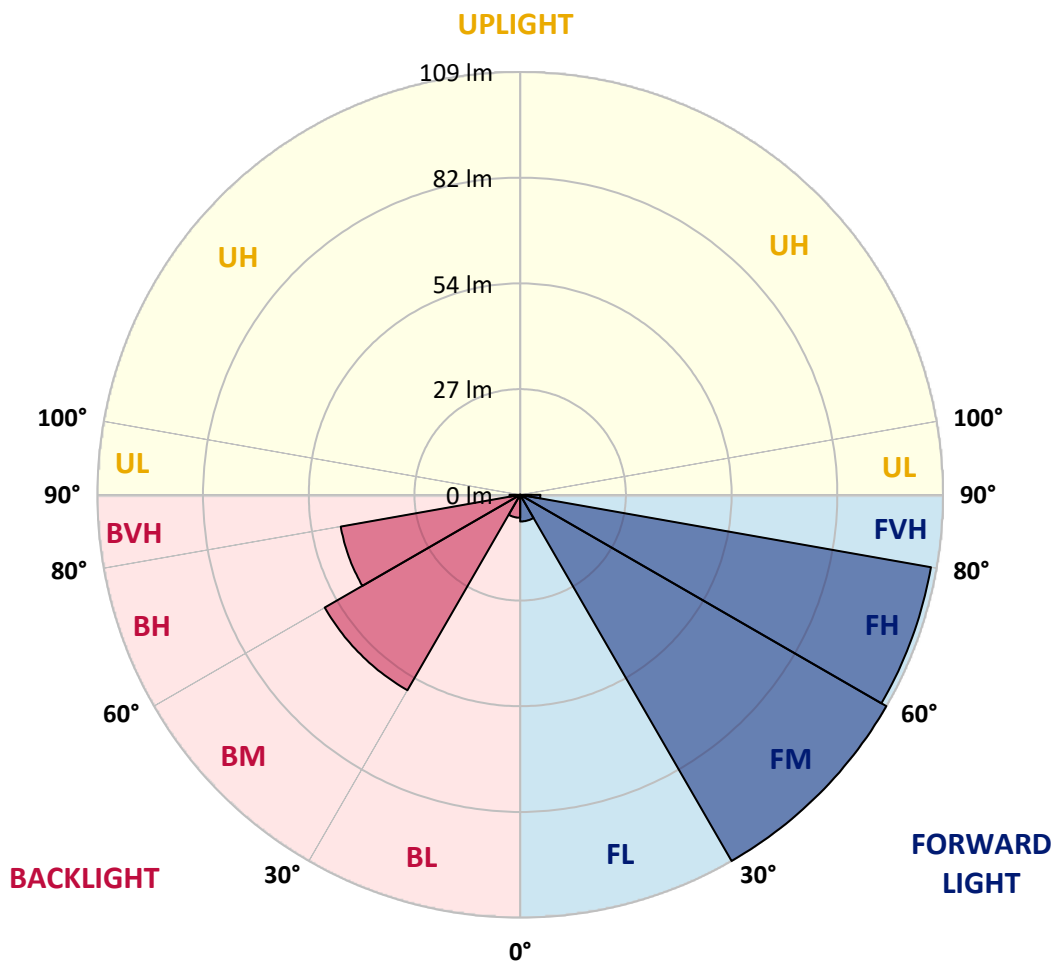
CATALOG NUMBER: ABB-CX-840-X-U-A-GM-CBP

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6.9	2.0			
FM	(30°-60°)	108.8	31.8			
FH	(60°-80°)	107.3	31.4			G0/660
FVH	(80°-90°)	5.2	1.5			G0/10
BL	(0°-30°)	5.9	1.7	B0/110		
BM	(30°-60°)	58.1	17.0	B0/220		
BH	(60°-80°)	46.9	13.7	B0/110		G0/110
BVH	(80°-90°)	2.8	0.8			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type III Short





REPORT NUMBER: P1459759

CATALOG NUMBER: ABB-CX-840-X-U-A-GM-CBP

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	10.2	10.9	9.6	9.6	8.9	8.3	7.7	7.0	7.0	6.4	6.4
5°	13.4	12.8	11.5	9.6	8.9	7.7	7.0	6.4	6.4	6.4	5.7
7.5°	14.7	13.4	13.4	11.5	10.2	10.2	10.2	8.9	8.3	7.7	7.7
10°	14.1	14.1	14.1	12.8	12.1	11.5	10.2	9.6	8.9	8.3	8.9
12.5°	12.8	12.8	14.7	14.1	12.1	11.5	10.2	8.3	8.3	8.3	7.7
15°	13.4	14.1	16.0	16.0	14.7	12.1	10.9	9.6	9.6	8.9	8.3
17.5°	16.6	16.6	16.6	16.6	16.6	14.1	10.9	10.2	9.6	9.6	9.6
20°	19.2	19.2	18.5	18.5	18.5	14.7	12.1	10.9	10.9	10.9	10.2
22.5°	23.0	22.4	23.6	21.1	19.8	16.0	13.4	12.8	12.8	12.1	11.5
25°	28.1	29.4	25.6	22.4	21.1	17.2	14.7	14.1	14.1	14.7	13.4
27.5°	34.5	34.5	28.7	25.6	23.0	19.2	17.9	17.2	16.6	17.2	16.6
30°	37.7	38.3	33.2	28.1	25.6	23.0	21.1	20.4	20.4	21.1	19.8
32.5°	41.5	42.2	36.4	31.3	28.1	26.8	26.8	26.2	25.6	24.9	23.0
35°	45.4	46.0	41.5	34.5	32.6	32.6	33.2	32.6	31.9	30.0	27.5
37.5°	49.2	49.8	45.4	39.0	36.4	39.0	41.5	42.2	40.9	37.7	33.2
40°	51.7	53.7	49.2	42.8	42.2	47.3	53.0	54.9	53.7	47.9	39.6
42.5°	55.6	57.5	54.9	48.6	49.2	59.4	72.8	76.7	74.7	64.5	51.1
45°	64.5	65.8	65.2	60.7	62.6	84.3	111.2	116.3	112.4	92.0	69.6
47.5°	70.3	70.3	72.2	68.4	75.4	110.5	145.7	153.3	149.5	118.8	88.2
50°	77.9	77.9	82.4	81.8	93.9	141.8	184.0	193.6	190.4	151.4	109.2
52.5°	80.5	82.4	87.5	90.1	109.2	163.5	218.5	228.1	225.5	174.4	125.2
55°	81.8	83.7	88.8	93.3	118.2	178.2	239.6	244.7	242.1	191.0	132.9
57.5°	81.1	83.1	86.9	92.6	119.5	183.3	239.6	245.3	242.8	196.1	135.4
60°	78.6	79.2	81.8	92.0	120.1	182.7	239.6	247.9	246.0	194.8	137.4
61°	76.0	77.3	79.9	92.0	120.1	181.4	240.8	249.8	246.6	192.9	136.7
62.5°	72.8	74.1	76.0	91.4	118.2	177.0	239.6	247.9	244.7	188.5	132.9
65°	66.4	66.4	67.1	88.2	110.5	163.5	226.2	232.5	226.8	175.7	123.3
67.5°	57.5	56.9	58.8	83.1	102.2	148.2	206.3	210.2	206.3	159.1	113.1
70°	47.3	47.3	49.8	75.4	92.6	129.7	186.5	191.0	187.2	139.3	102.9
72.5°	37.7	36.4	40.9	63.9	80.5	109.9	161.0	163.5	161.0	118.2	88.2
75°	27.5	25.6	32.6	51.7	65.8	86.9	130.3	133.5	129.0	92.6	71.6
77.5°	18.5	16.6	23.0	36.4	47.9	62.6	97.1	99.0	94.5	66.4	52.4
80°	10.9	10.2	14.7	21.1	28.7	39.0	61.3	63.9	59.4	41.5	31.9
82.5°	7.0	6.4	7.7	8.3	10.2	17.2	27.5	28.7	24.9	16.0	12.8
85°	4.5	3.8	3.8	3.2	3.8	3.8	3.8	5.1	4.5	3.8	3.2
87.5°	3.2	3.2	2.6	2.6	2.6	2.6	3.2	3.2	3.2	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1459759

CATALOG NUMBER: ABB-CX-840-X-U-A-GM-CBP

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	5.7	5.7	5.7	5.7	5.7	6.4	5.7	6.4	6.4	6.4	6.4
5°	5.7	5.7	6.4	6.4	7.0	7.0	7.0	7.0	6.4	6.4	5.7
7.5°	7.7	7.7	7.7	8.3	8.9	8.3	7.7	8.3	8.3	7.7	7.7
10°	8.3	8.3	8.3	8.9	10.2	10.2	9.6	9.6	9.6	8.3	8.3
12.5°	8.3	8.3	8.9	8.9	9.6	11.5	10.9	11.5	10.9	9.6	9.6
15°	8.9	8.9	9.6	9.6	11.5	12.8	12.1	12.1	11.5	9.6	9.6
17.5°	10.2	10.2	10.9	10.9	12.8	14.1	14.7	12.8	12.1	10.2	10.2
20°	10.2	10.9	12.8	12.8	14.7	15.3	16.6	14.7	12.8	11.5	11.5
22.5°	11.5	11.5	13.4	16.0	17.2	17.2	17.9	15.3	13.4	12.1	12.1
25°	13.4	13.4	16.0	19.2	19.8	18.5	19.2	16.6	14.1	12.1	12.1
27.5°	16.0	17.2	19.8	23.6	21.7	20.4	19.8	17.9	14.7	13.4	12.8
30°	20.4	19.8	23.0	26.2	24.9	22.4	21.7	19.2	15.3	13.4	13.4
32.5°	24.3	24.3	26.8	29.4	28.1	24.9	23.6	20.4	16.6	14.1	14.1
35°	28.7	29.4	30.7	32.6	30.7	26.8	25.6	22.4	17.9	15.3	15.3
37.5°	33.9	34.5	35.1	37.1	33.9	30.0	28.1	24.3	19.8	17.2	17.9
40°	39.6	40.9	40.9	40.9	37.7	33.2	31.3	26.8	23.0	21.1	21.7
42.5°	50.5	51.1	49.8	47.3	42.8	37.7	36.4	32.6	28.1	25.6	27.5
45°	66.4	65.2	62.6	56.9	51.1	44.7	42.8	39.0	34.5	31.9	33.9
47.5°	81.8	77.9	74.1	65.8	58.8	51.7	49.2	46.6	41.5	38.3	40.2
50°	101.6	92.6	85.0	74.7	65.8	58.8	54.9	53.0	47.3	44.1	44.1
52.5°	115.6	102.2	90.7	81.1	70.3	62.0	58.1	56.9	51.1	47.3	46.6
55°	120.7	106.7	92.6	83.7	72.2	62.6	58.8	57.5	52.4	48.6	47.9
57.5°	123.9	108.6	90.1	83.1	70.9	61.3	56.9	56.9	52.4	48.6	47.9
60°	127.8	110.5	86.2	80.5	69.0	59.4	55.6	55.6	51.7	47.9	47.3
61°	127.8	109.9	84.3	79.2	68.4	58.1	54.3	54.9	51.1	47.3	46.0
62.5°	125.9	108.0	80.5	76.7	65.8	56.2	53.0	53.7	49.8	46.0	45.4
65°	119.5	102.9	74.7	69.6	60.1	51.1	49.2	49.8	46.6	42.8	42.2
67.5°	111.2	95.8	67.1	61.3	53.0	46.0	44.7	44.7	42.8	39.0	38.3
70°	99.0	86.2	58.8	52.4	46.0	40.2	39.6	40.2	37.7	35.1	33.9
72.5°	83.7	73.5	49.8	42.2	37.7	33.9	34.5	33.9	32.6	30.0	28.7
75°	65.2	58.8	39.6	31.9	28.7	27.5	27.5	27.5	26.2	24.9	23.6
77.5°	45.4	41.5	27.5	22.4	20.4	20.4	20.4	19.8	19.8	18.5	17.2
80°	25.6	23.6	15.3	13.4	12.8	13.4	13.4	12.1	12.8	12.8	11.5
82.5°	8.3	8.3	7.0	7.0	7.0	7.0	6.4	5.7	7.0	7.7	6.4
85°	2.6	3.2	3.2	3.8	3.8	3.2	3.2	3.2	3.8	4.5	3.8
87.5°	1.9	1.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Invue

Report Number: SP1-2509-539-8

Test Date: 04/14/2026

Luminaire Tested: Luxscape Bollard

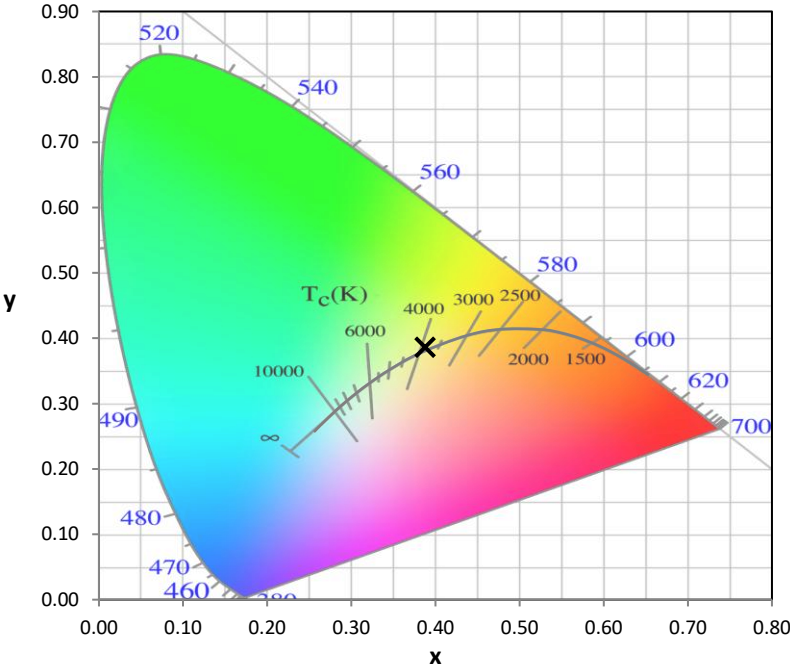
Data in this report applies to families of products including ;Luxscape

REPORT NUMBER: SP1-2509-539-8

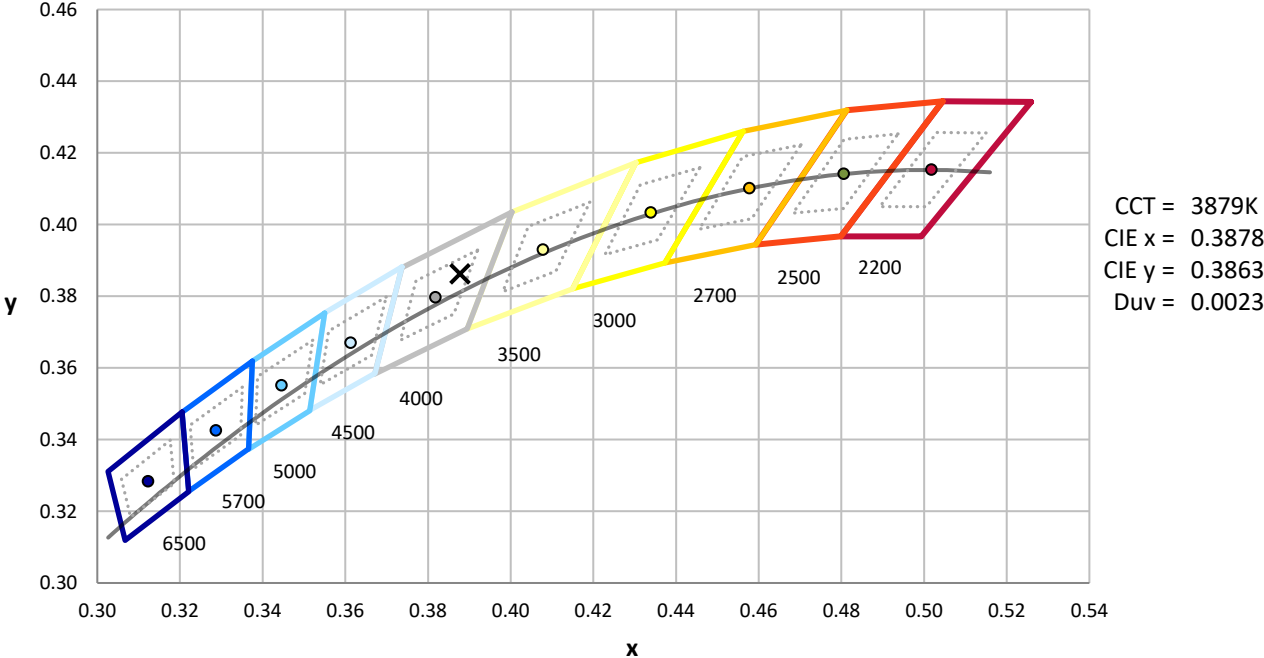
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	10/21/2025	10/21/2026
Sphere Thermometer	ONSET IN0085	10/21/2025	10/21/2026
Room Thermometer	ONSET IN0046	10/21/2025	10/21/2026

REPORT NUMBER: SP1-2509-539-8

CIE 1931 Chromaticity Diagram



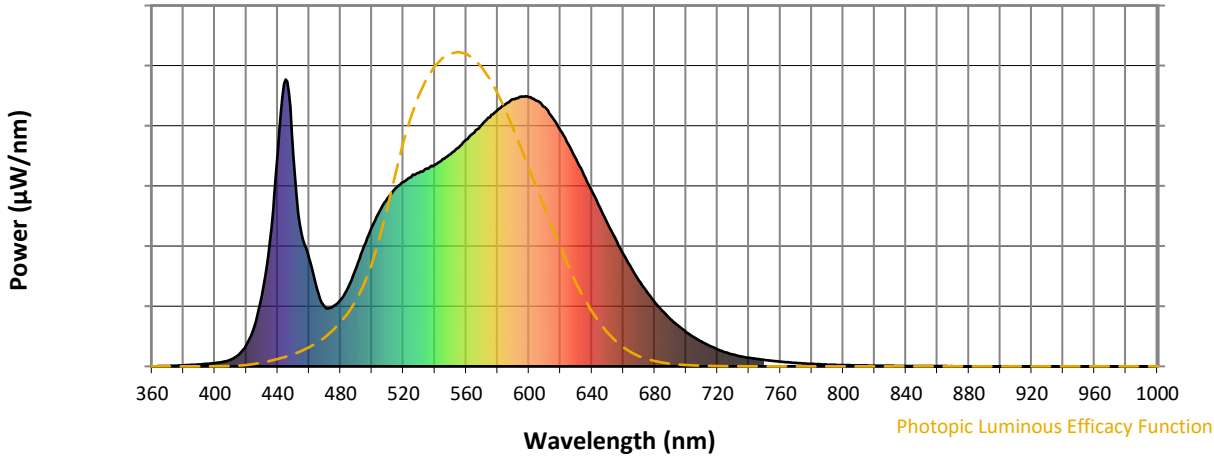
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2509-539-8

Photopic Flux vs. Wavelength

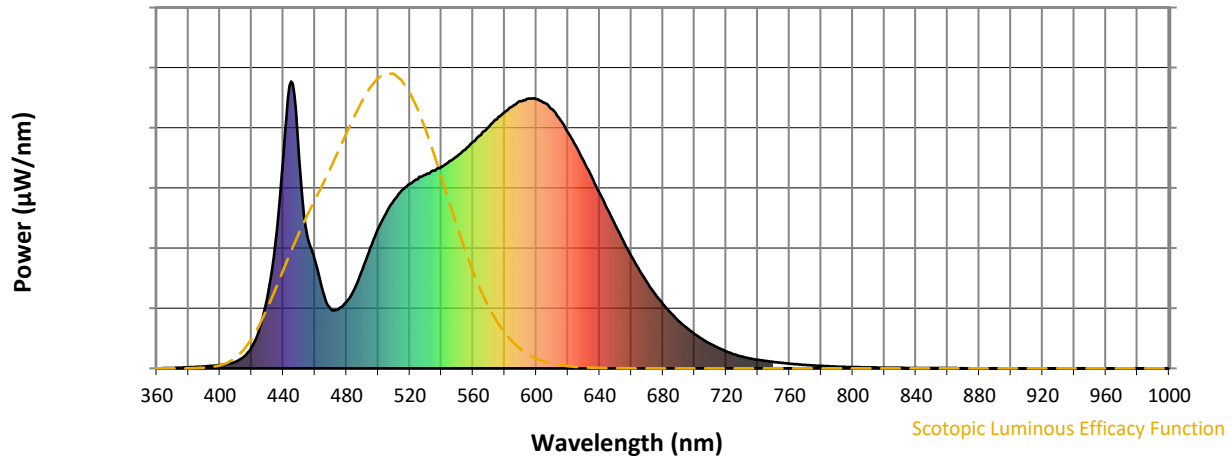


Photopic Lumens: NR

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	345	NR	620	822	NR	750	23	NR	880	0	NR
365	1	NR	495	419	NR	625	776	NR	755	19	NR	885	0	NR
370	1	NR	500	487	NR	630	722	NR	760	16	NR	890	0	NR
375	3	NR	505	541	NR	635	667	NR	765	14	NR	895	0	NR
380	4	NR	510	586	NR	640	611	NR	770	12	NR	900	0	NR
385	5	NR	515	620	NR	645	555	NR	775	10	NR	905	0	NR
390	7	NR	520	643	NR	650	498	NR	780	9	NR	910	0	NR
395	9	NR	525	660	NR	655	445	NR	785	7	NR	915	0	NR
400	11	NR	530	675	NR	660	391	NR	790	6	NR	920	0	NR
405	15	NR	535	690	NR	665	344	NR	795	5	NR	925	0	NR
410	24	NR	540	702	NR	670	300	NR	800	4	NR	930	0	NR
415	40	NR	545	723	NR	675	260	NR	805	4	NR	935	0	NR
420	75	NR	550	740	NR	680	224	NR	810	3	NR	940	0	NR
425	139	NR	555	762	NR	685	193	NR	815	3	NR	945	0	NR
430	249	NR	560	790	NR	690	166	NR	820	3	NR	950	0	NR
435	437	NR	565	814	NR	695	141	NR	825	2	NR	955	0	NR
440	741	NR	570	843	NR	700	120	NR	830	2	NR	960	0	NR
445	1000	NR	575	868	NR	705	102	NR	835	2	NR	965	0	NR
450	734	NR	580	894	NR	710	86	NR	840	1	NR	970	0	NR
455	466	NR	585	914	NR	715	72	NR	845	1	NR	975	0	NR
460	378	NR	590	932	NR	720	60	NR	850	1	NR	980	0	NR
465	270	NR	595	940	NR	725	49	NR	855	1	NR	985	0	NR
470	207	NR	600	938	NR	730	41	NR	860	1	NR	990	0	NR
475	207	NR	605	926	NR	735	35	NR	865	1	NR	995	0	NR
480	232	NR	610	903	NR	740	30	NR	870	1	NR	1000	0	NR
485	276	NR	615	867	NR	745	26	NR	875	0	NR			

REPORT NUMBER: SP1-2509-539-8

Scotopic Flux vs. Wavelength



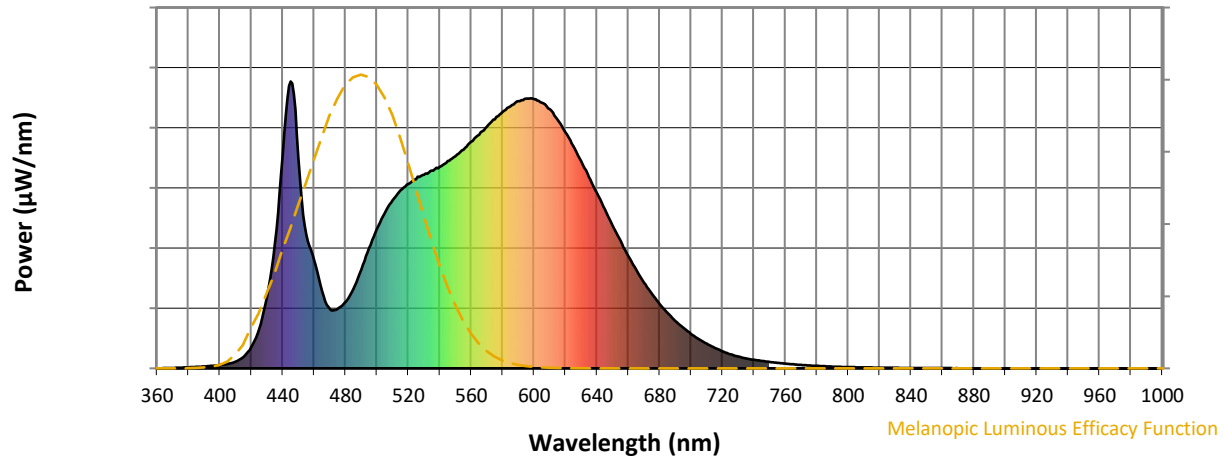
Scotopic Lumens: NR

S/P: 1.63

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	345	NR	620	822	NR	750	23	NR	880	0	NR
365	1	NR	495	419	NR	625	776	NR	755	19	NR	885	0	NR
370	1	NR	500	487	NR	630	722	NR	760	16	NR	890	0	NR
375	3	NR	505	541	NR	635	667	NR	765	14	NR	895	0	NR
380	4	NR	510	586	NR	640	611	NR	770	12	NR	900	0	NR
385	5	NR	515	620	NR	645	555	NR	775	10	NR	905	0	NR
390	7	NR	520	643	NR	650	498	NR	780	9	NR	910	0	NR
395	9	NR	525	660	NR	655	445	NR	785	7	NR	915	0	NR
400	11	NR	530	675	NR	660	391	NR	790	6	NR	920	0	NR
405	15	NR	535	690	NR	665	344	NR	795	5	NR	925	0	NR
410	24	NR	540	702	NR	670	300	NR	800	4	NR	930	0	NR
415	40	NR	545	723	NR	675	260	NR	805	4	NR	935	0	NR
420	75	NR	550	740	NR	680	224	NR	810	3	NR	940	0	NR
425	139	NR	555	762	NR	685	193	NR	815	3	NR	945	0	NR
430	249	NR	560	790	NR	690	166	NR	820	3	NR	950	0	NR
435	437	NR	565	814	NR	695	141	NR	825	2	NR	955	0	NR
440	741	NR	570	843	NR	700	120	NR	830	2	NR	960	0	NR
445	1000	NR	575	868	NR	705	102	NR	835	2	NR	965	0	NR
450	734	NR	580	894	NR	710	86	NR	840	1	NR	970	0	NR
455	466	NR	585	914	NR	715	72	NR	845	1	NR	975	0	NR
460	378	NR	590	932	NR	720	60	NR	850	1	NR	980	0	NR
465	270	NR	595	940	NR	725	49	NR	855	1	NR	985	0	NR
470	207	NR	600	938	NR	730	41	NR	860	1	NR	990	0	NR
475	207	NR	605	926	NR	735	35	NR	865	1	NR	995	0	NR
480	232	NR	610	903	NR	740	30	NR	870	1	NR	1000	0	NR
485	276	NR	615	867	NR	745	26	NR	875	0	NR			

REPORT NUMBER: SP1-2509-539-8

Melanopic Flux vs. Wavelength



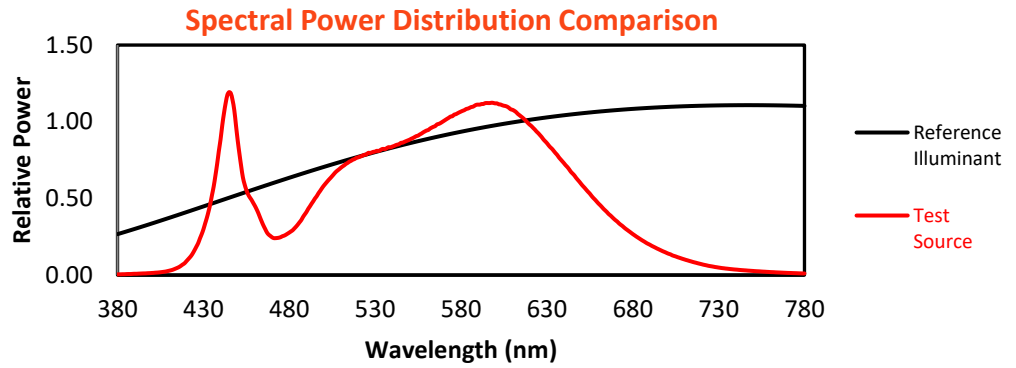
Melanopic Lumens: NR

M/P: 3.25

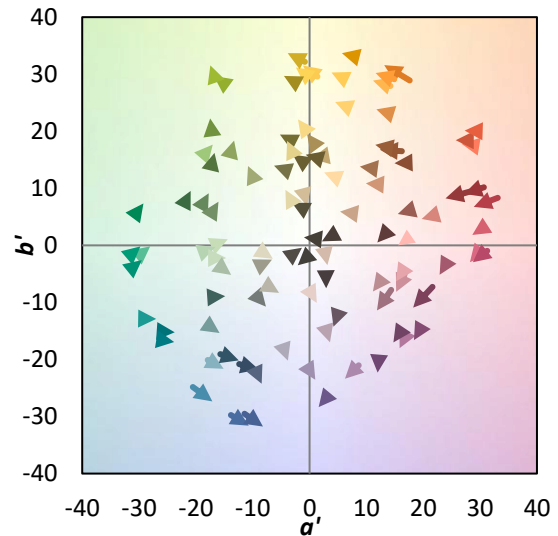
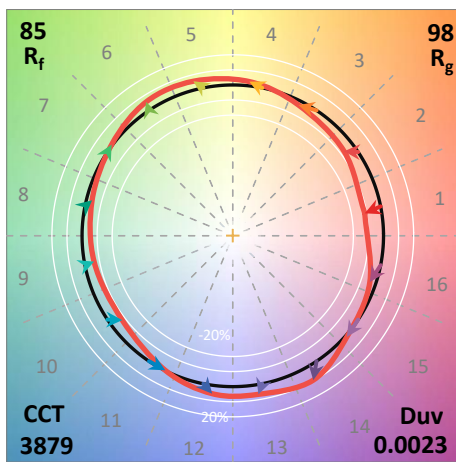
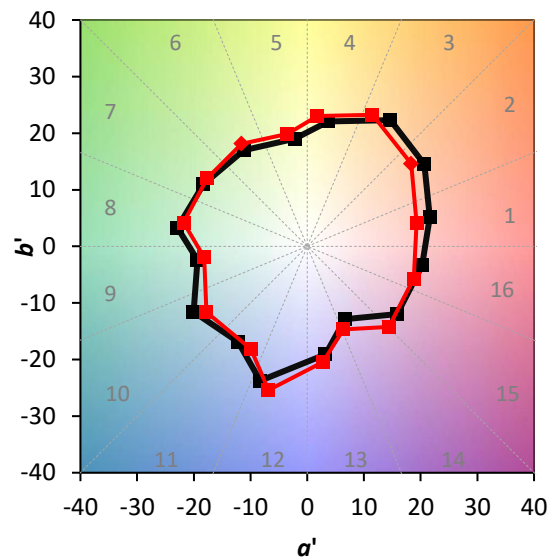
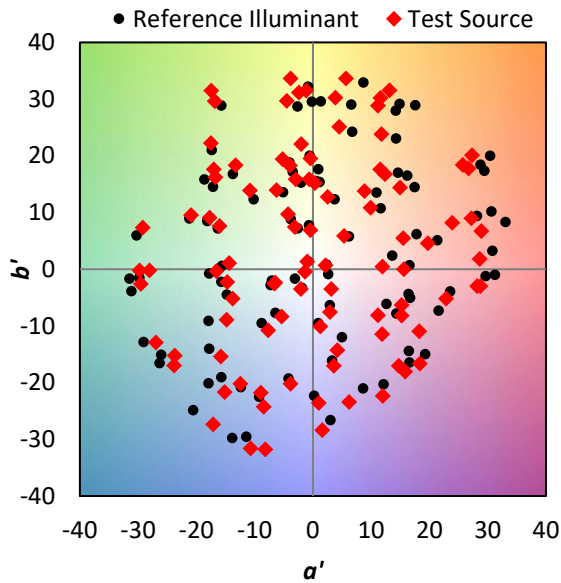
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	345	NR	620	822	NR	750	23	NR	880	0	NR
365	1	NR	495	419	NR	625	776	NR	755	19	NR	885	0	NR
370	1	NR	500	487	NR	630	722	NR	760	16	NR	890	0	NR
375	3	NR	505	541	NR	635	667	NR	765	14	NR	895	0	NR
380	4	NR	510	586	NR	640	611	NR	770	12	NR	900	0	NR
385	5	NR	515	620	NR	645	555	NR	775	10	NR	905	0	NR
390	7	NR	520	643	NR	650	498	NR	780	9	NR	910	0	NR
395	9	NR	525	660	NR	655	445	NR	785	7	NR	915	0	NR
400	11	NR	530	675	NR	660	391	NR	790	6	NR	920	0	NR
405	15	NR	535	690	NR	665	344	NR	795	5	NR	925	0	NR
410	24	NR	540	702	NR	670	300	NR	800	4	NR	930	0	NR
415	40	NR	545	723	NR	675	260	NR	805	4	NR	935	0	NR
420	75	NR	550	740	NR	680	224	NR	810	3	NR	940	0	NR
425	139	NR	555	762	NR	685	193	NR	815	3	NR	945	0	NR
430	249	NR	560	790	NR	690	166	NR	820	3	NR	950	0	NR
435	437	NR	565	814	NR	695	141	NR	825	2	NR	955	0	NR
440	741	NR	570	843	NR	700	120	NR	830	2	NR	960	0	NR
445	1000	NR	575	868	NR	705	102	NR	835	2	NR	965	0	NR
450	734	NR	580	894	NR	710	86	NR	840	1	NR	970	0	NR
455	466	NR	585	914	NR	715	72	NR	845	1	NR	975	0	NR
460	378	NR	590	932	NR	720	60	NR	850	1	NR	980	0	NR
465	270	NR	595	940	NR	725	49	NR	855	1	NR	985	0	NR
470	207	NR	600	938	NR	730	41	NR	860	1	NR	990	0	NR
475	207	NR	605	926	NR	735	35	NR	865	1	NR	995	0	NR
480	232	NR	610	903	NR	740	30	NR	870	1	NR	1000	0	NR
485	276	NR	615	867	NR	745	26	NR	875	0	NR			

Summary

$R_f = 84.8$
 $R_g = 97.9$
 $CIE R_a = 83.0$
 $R_9 = 8.2$

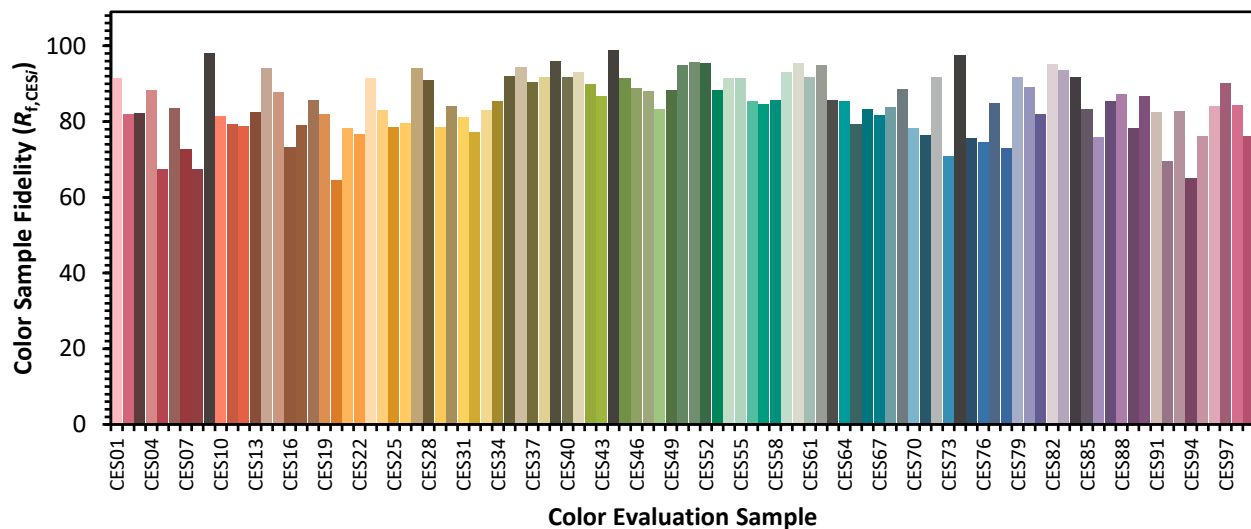


Color Vector Graphics

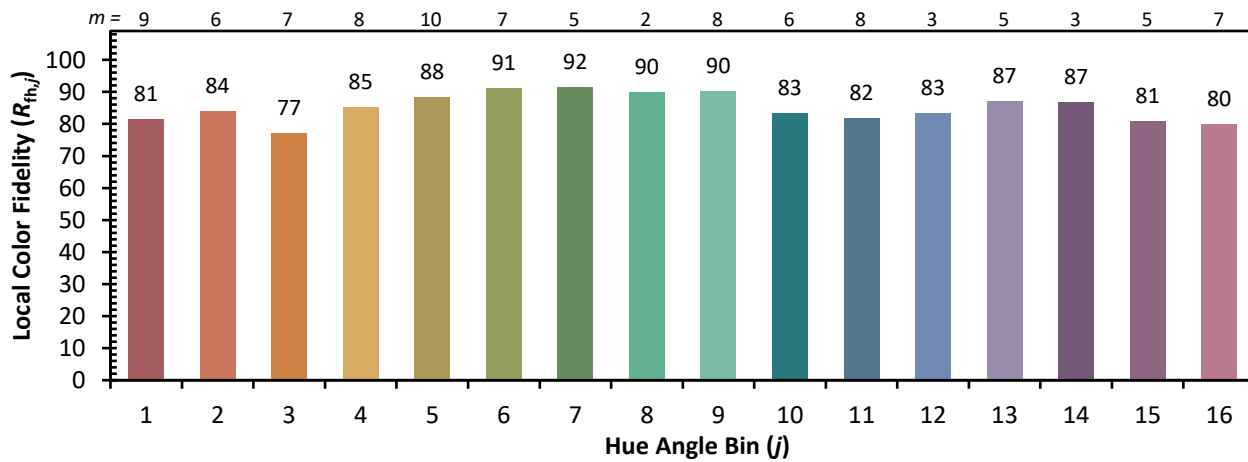
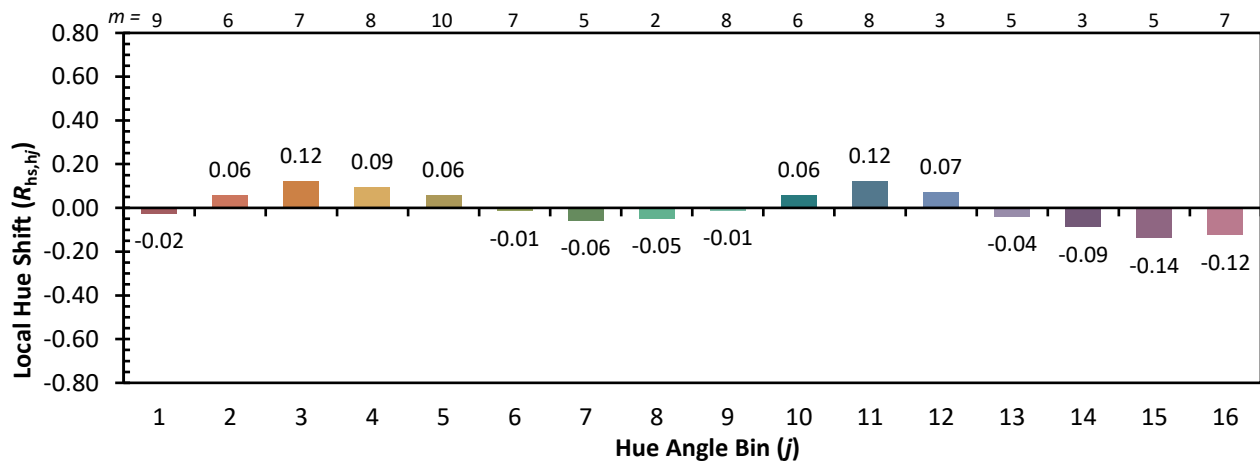
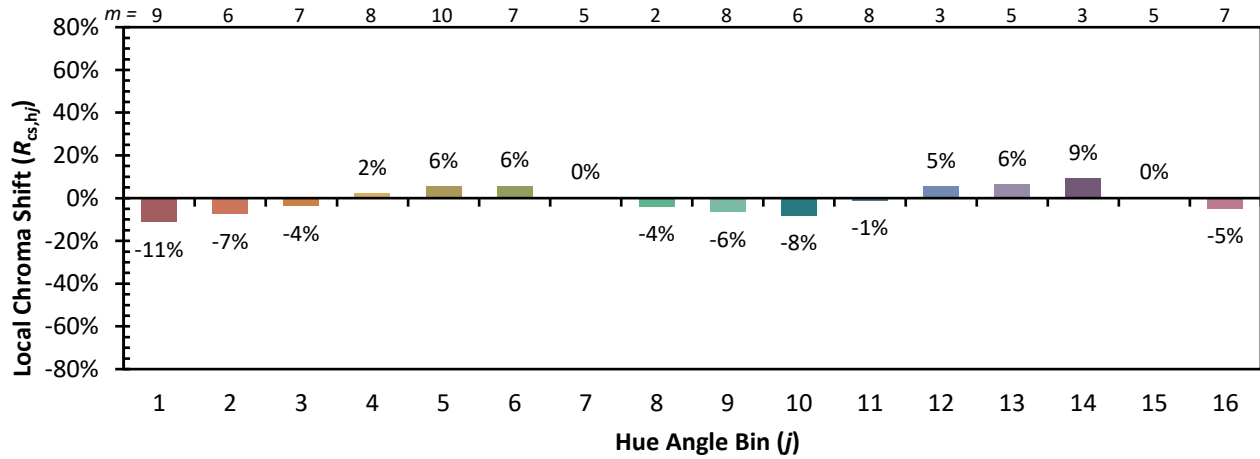


Individual Sample Fidelity Index ($R_{f,i}$)

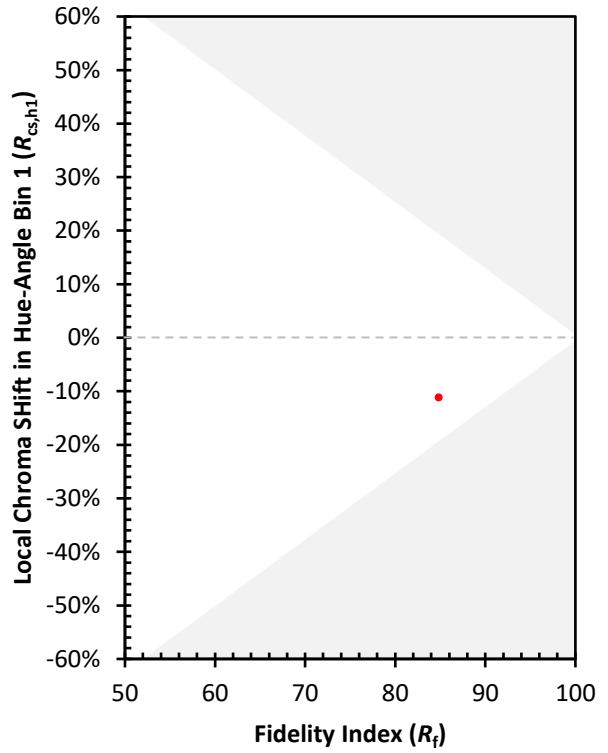
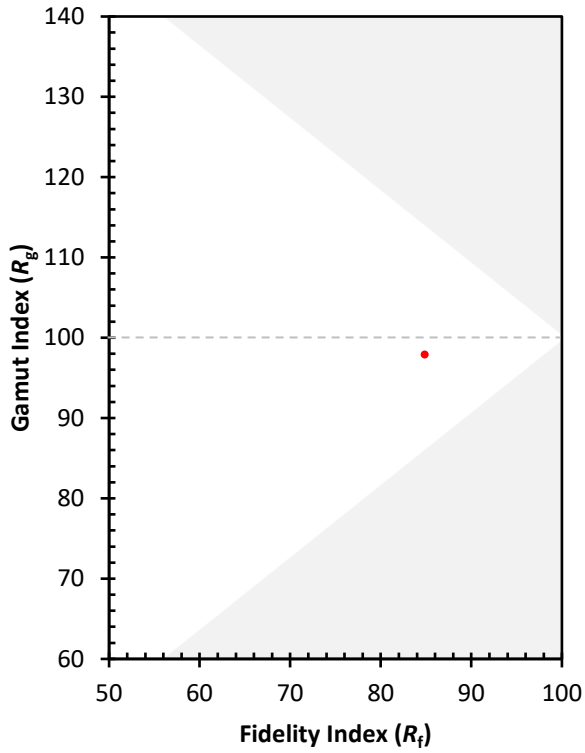
CES01 = 86	CES26 = 80	CES51 = 96	CES76 = 74
CES02 = 61	CES27 = 94	CES52 = 95	CES77 = 85
CES03 = 31	CES28 = 91	CES53 = 88	CES78 = 73
CES04 = 69	CES29 = 79	CES54 = 91	CES79 = 92
CES05 = 48	CES30 = 84	CES55 = 91	CES80 = 89
CES06 = 50	CES31 = 81	CES56 = 85	CES81 = 82
CES07 = 41	CES32 = 77	CES57 = 85	CES82 = 95
CES08 = 40	CES33 = 83	CES58 = 86	CES83 = 94
CES09 = 29	CES34 = 85	CES59 = 93	CES84 = 92
CES10 = 74	CES35 = 92	CES60 = 95	CES85 = 83
CES11 = 57	CES36 = 94	CES61 = 92	CES86 = 76
CES12 = 63	CES37 = 90	CES62 = 95	CES87 = 85
CES13 = 43	CES38 = 92	CES63 = 86	CES88 = 87
CES14 = 74	CES39 = 96	CES64 = 85	CES89 = 78
CES15 = 71	CES40 = 92	CES65 = 79	CES90 = 87
CES16 = 47	CES41 = 93	CES66 = 83	CES91 = 82
CES17 = 49	CES42 = 90	CES67 = 82	CES92 = 69
CES18 = 56	CES43 = 87	CES68 = 84	CES93 = 83
CES19 = 71	CES44 = 99	CES69 = 89	CES94 = 65
CES20 = 65	CES45 = 92	CES70 = 78	CES95 = 76
CES21 = 86	CES46 = 89	CES71 = 76	CES96 = 84
CES22 = 78	CES47 = 88	CES72 = 92	CES97 = 90
CES23 = 91	CES48 = 83	CES73 = 71	CES98 = 84
CES24 = 90	CES49 = 88	CES74 = 97	CES99 = 76
CES25 = 71	CES50 = 95	CES75 = 76	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)