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: P1459753

Luminaire Tested: ABB-CX-827-X-U-A-GM-CBP

Issue Date: 5/26/2026

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

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1459753
	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-827-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:	297.6 lumens
Efficiency:	N/A
Efficacy:	33.4 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

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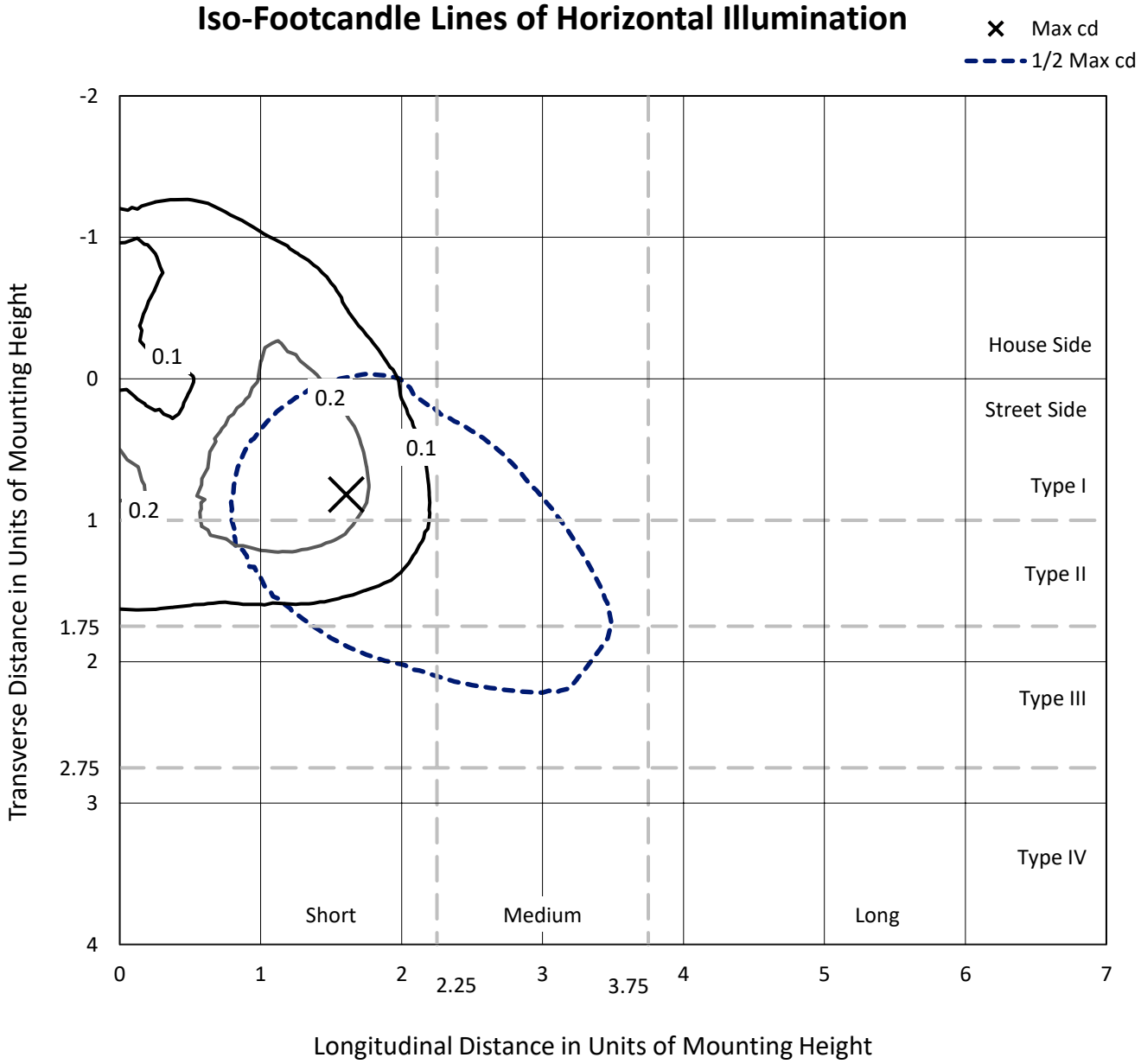
REPORT NUMBER: P1459753
CATALOG NUMBER: ABB-CX-827-X-U-A-GM-CBP

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 0.4 fc
Type III - Short - N/A

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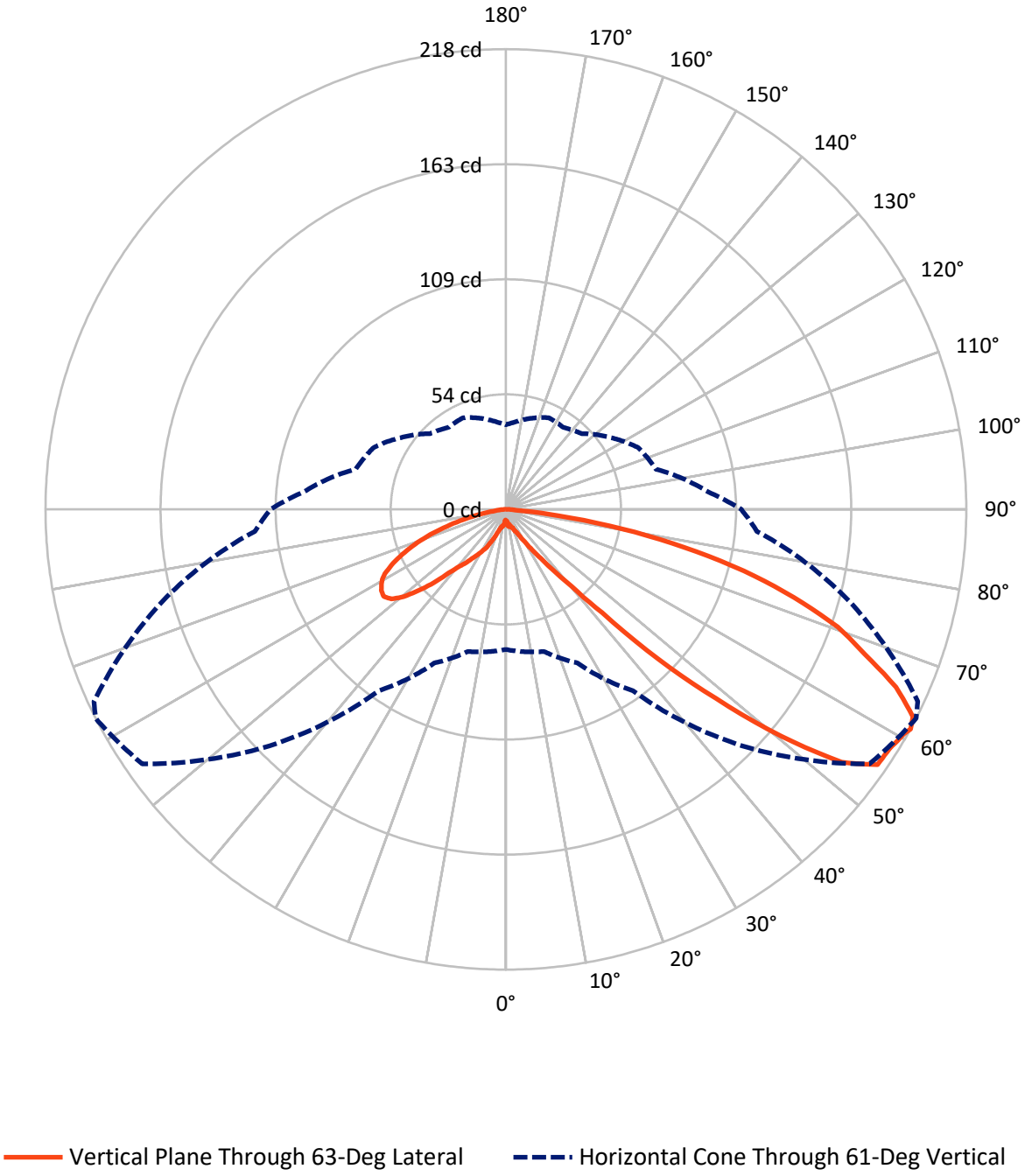
Luminous Intensity Polar Plot



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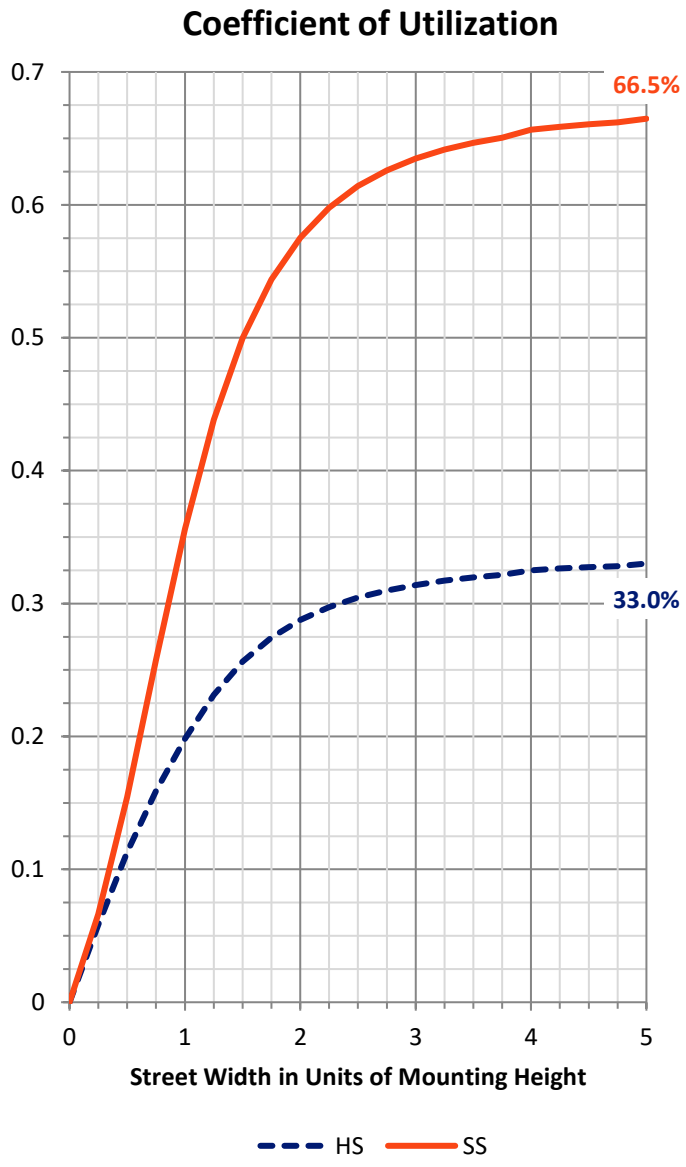
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	98.9	0.0	98.9
	% Fixture	33.2	0.0	33.2
Street Side	Lumens	198.7	0.0	198.7
	% Fixture	66.8	0.0	66.8
Total	Lumens	297.6	0.0	297.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.2
10°-20°	3.0	1.0
20°-30°	7.4	2.5
30°-40°	17.0	5.7
40°-50°	44.1	14.8
50°-60°	84.2	28.3
60°-70°	85.0	28.6
70°-80°	49.3	16.6
80°-90°	6.9	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°	297.6	100.0
0°-180°	297.6	100.0



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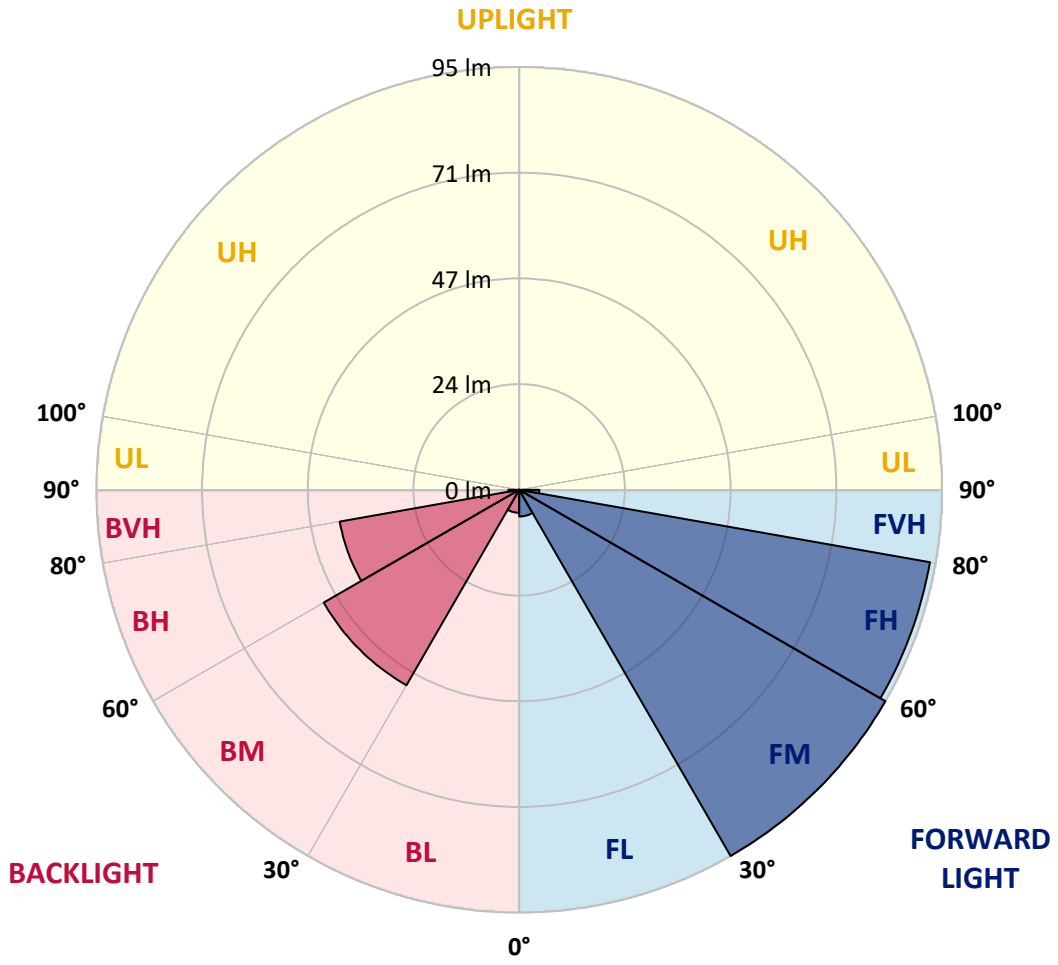
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	6.0	2.0			
FM	(30°-60°)	94.7	31.8			
FH	(60°-80°)	93.4	31.4			G0/660
FVH	(80°-90°)	4.5	1.5			G0/10
BL	(0°-30°)	5.1	1.7	B0/110		
BM	(30°-60°)	50.6	17.0	B0/220		
BH	(60°-80°)	40.8	13.7	B0/110		G0/110
BVH	(80°-90°)	2.4	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



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REPORT NUMBER: P1459753
CATALOG NUMBER: ABB-CX-827-X-U-A-GM-CBP

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	*5.6*	5.6	5.6	5.6
2.5°	8.9	9.5	8.3	8.3	7.8	7.2	6.7	*6.1*	6.1	5.6	5.6
5°	11.7	11.1	10.0	8.3	7.8	6.7	6.1	*5.6*	5.6	5.6	5.0
7.5°	12.8	11.7	11.7	10.0	8.9	8.9	8.9	*7.8*	7.2	6.7	6.7
10°	12.2	12.2	12.2	11.1	10.6	10.0	8.9	*8.3*	7.8	7.2	7.8
12.5°	11.1	11.1	12.8	12.2	10.6	10.0	8.9	*7.2*	7.2	7.2	6.7
15°	11.7	12.2	13.9	13.9	12.8	10.6	9.5	*8.3*	8.3	7.8	7.2
17.5°	14.5	14.5	14.5	14.5	14.5	12.2	9.5	*8.9*	8.3	8.3	8.3
20°	16.7	16.7	16.1	16.1	16.1	12.8	10.6	*9.5*	9.5	9.5	8.9
22.5°	20.0	19.5	20.6	18.4	17.2	13.9	11.7	*11.1*	11.1	10.6	10.0
25°	24.5	25.6	22.2	19.5	18.4	15.0	12.8	*12.2*	12.2	12.8	11.7
27.5°	30.0	30.0	25.0	22.2	20.0	16.7	15.6	*15.0*	14.5	15.0	14.5
30°	32.8	33.4	28.9	24.5	22.2	20.0	18.4	*17.8*	17.8	18.4	17.2
32.5°	36.2	36.7	31.7	27.3	24.5	23.4	23.4	*22.8*	22.2	21.7	20.0
35°	39.5	40.0	36.2	30.0	28.4	28.4	28.9	*28.4*	27.8	26.1	23.9
37.5°	42.8	43.4	39.5	33.9	31.7	33.9	36.2	*36.7*	35.6	32.8	28.9
40°	45.1	46.7	42.8	37.3	36.7	41.2	46.2	*47.8*	46.7	41.7	34.5
42.5°	48.4	50.1	47.8	42.3	42.8	51.7	63.4	*66.7*	65.1	56.2	44.5
45°	56.2	57.3	56.7	52.8	54.5	73.4	96.8	*101.2*	97.9	80.1	60.6
47.5°	61.2	61.2	62.8	59.5	65.6	96.2	126.8	*133.5*	130.1	103.5	76.8
50°	67.9	67.9	71.7	71.2	81.8	123.5	160.2	*168.5*	165.7	131.8	95.1
52.5°	70.1	71.7	76.2	78.4	95.1	142.4	190.2	*198.6*	196.3	151.8	109.0
55°	71.2	72.9	77.3	81.2	102.9	155.2	208.6	*213.0*	210.8	166.3	115.7
57.5°	70.6	72.3	75.6	80.6	104.0	159.6	208.6	*213.6*	211.4	170.7	117.9
60°	68.4	69.0	71.2	80.1	104.6	159.1	208.6	*215.8*	214.1	169.6	119.6
61°	*66.2*	*67.3*	*69.5*	*80.1*	*104.6*	*158.0*	*209.7*	*217.5*	*214.7*	*168.0*	*119.0*
62.5°	63.4	64.5	66.2	79.5	102.9	154.1	208.6	*215.8*	213.0	164.1	115.7
65°	57.8	57.8	58.4	76.8	96.2	142.4	196.9	*202.5*	197.4	153.0	107.3
67.5°	50.1	49.5	51.2	72.3	89.0	129.0	179.6	*183.0*	179.6	138.5	98.4
70°	41.2	41.2	43.4	65.6	80.6	112.9	162.4	*166.3*	163.0	121.2	89.5
72.5°	32.8	31.7	35.6	55.6	70.1	95.7	140.2	*142.4*	140.2	102.9	76.8
75°	23.9	22.2	28.4	45.1	57.3	75.6	113.5	*116.2*	112.4	80.6	62.3
77.5°	16.1	14.5	20.0	31.7	41.7	54.5	84.5	*86.2*	82.3	57.8	45.6
80°	9.5	8.9	12.8	18.4	25.0	33.9	53.4	*55.6*	51.7	36.2	27.8
82.5°	6.1	5.6	6.7	7.2	8.9	15.0	23.9	*25.0*	21.7	13.9	11.1
85°	3.9	3.3	3.3	2.8	3.3	3.3	3.3	*4.4*	3.9	3.3	2.8
87.5°	2.8	2.8	2.2	2.2	2.2	2.2	2.8	*2.8*	2.8	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0

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REPORT NUMBER: P1459753
CATALOG NUMBER: ABB-CX-827-X-U-A-GM-CBP

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	5.0	5.0	5.0	5.0	5.0	5.6	5.0	5.6	5.6	5.6	5.6
5°	5.0	5.0	5.6	5.6	6.1	6.1	6.1	6.1	5.6	5.6	5.0
7.5°	6.7	6.7	6.7	7.2	7.8	7.2	6.7	7.2	7.2	6.7	6.7
10°	7.2	7.2	7.2	7.8	8.9	8.9	8.3	8.3	8.3	7.2	7.2
12.5°	7.2	7.2	7.8	7.8	8.3	10.0	9.5	10.0	9.5	8.3	8.3
15°	7.8	7.8	8.3	8.3	10.0	11.1	10.6	10.6	10.0	8.3	8.3
17.5°	8.9	8.9	9.5	9.5	11.1	12.2	12.8	11.1	10.6	8.9	8.9
20°	8.9	9.5	11.1	11.1	12.8	13.3	14.5	12.8	11.1	10.0	10.0
22.5°	10.0	10.0	11.7	13.9	15.0	15.0	15.6	13.3	11.7	10.6	10.6
25°	11.7	11.7	13.9	16.7	17.2	16.1	16.7	14.5	12.2	10.6	10.6
27.5°	13.9	15.0	17.2	20.6	18.9	17.8	17.2	15.6	12.8	11.7	11.1
30°	17.8	17.2	20.0	22.8	21.7	19.5	18.9	16.7	13.3	11.7	11.7
32.5°	21.1	21.1	23.4	25.6	24.5	21.7	20.6	17.8	14.5	12.2	12.2
35°	25.0	25.6	26.7	28.4	26.7	23.4	22.2	19.5	15.6	13.3	13.3
37.5°	29.5	30.0	30.6	32.3	29.5	26.1	24.5	21.1	17.2	15.0	15.6
40°	34.5	35.6	35.6	35.6	32.8	28.9	27.3	23.4	20.0	18.4	18.9
42.5°	43.9	44.5	43.4	41.2	37.3	32.8	31.7	28.4	24.5	22.2	23.9
45°	57.8	56.7	54.5	49.5	44.5	38.9	37.3	33.9	30.0	27.8	29.5
47.5°	71.2	67.9	64.5	57.3	51.2	45.1	42.8	40.6	36.2	33.4	35.0
50°	88.4	80.6	74.0	65.1	57.3	51.2	47.8	46.2	41.2	38.4	38.4
52.5°	100.7	89.0	79.0	70.6	61.2	54.0	50.6	49.5	44.5	41.2	40.6
55°	105.1	92.9	80.6	72.9	62.8	54.5	51.2	50.1	45.6	42.3	41.7
57.5°	107.9	94.6	78.4	72.3	61.7	53.4	49.5	49.5	45.6	42.3	41.7
60°	111.2	96.2	75.1	70.1	60.1	51.7	48.4	48.4	45.1	41.7	41.2
61°	*111.2*	*95.7*	*73.4*	*69.0*	*59.5*	*50.6*	*47.3*	*47.8*	*44.5*	*41.2*	*40.0*
62.5°	109.6	94.0	70.1	66.7	57.3	48.9	46.2	46.7	43.4	40.0	39.5
65°	104.0	89.5	65.1	60.6	52.3	44.5	42.8	43.4	40.6	37.3	36.7
67.5°	96.8	83.4	58.4	53.4	46.2	40.0	38.9	38.9	37.3	33.9	33.4
70°	86.2	75.1	51.2	45.6	40.0	35.0	34.5	35.0	32.8	30.6	29.5
72.5°	72.9	64.0	43.4	36.7	32.8	29.5	30.0	29.5	28.4	26.1	25.0
75°	56.7	51.2	34.5	27.8	25.0	23.9	23.9	23.9	22.8	21.7	20.6
77.5°	39.5	36.2	23.9	19.5	17.8	17.8	17.8	17.2	17.2	16.1	15.0
80°	22.2	20.6	13.3	11.7	11.1	11.7	11.7	10.6	11.1	11.1	10.0
82.5°	7.2	7.2	6.1	6.1	6.1	6.1	5.6	5.0	6.1	6.7	5.6
85°	2.2	2.8	2.8	3.3	3.3	2.8	2.8	2.8	3.3	3.9	3.3
87.5°	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8	2.8
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: SP1-2509-539-6

Test Date: 04/15/2026

Luminaire Tested: Luxscape Bollard

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

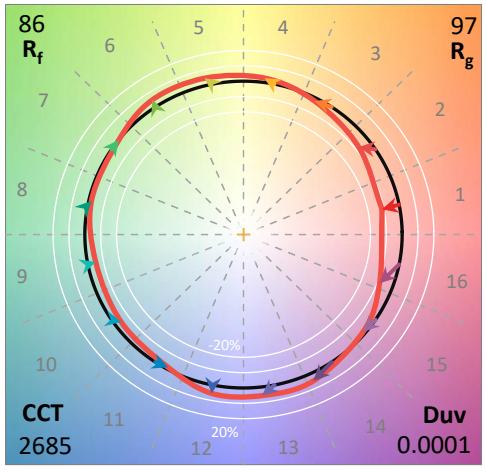
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2509-539-6
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	04/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Invue
Catalog Number:	**Luxscape Bollard**
Description:	ARB-C1-827-LED-XX-Dx-S-GM-SPECULAR REFLECTOR

Spectral Parameters

CCT (K):	2685
CIE u':	0.2631
CIE v':	0.5278
Duv:	0.0001
CIE x:	0.4613
CIE y:	0.4112
CIE z:	0.1276
Peak Wavelength (nm):	607
Dominant Wavelength (nm):	584
Purity:	61.87869
Rf:	85.8
Rg:	97.1

CRI (Ra):	83.3				
R1:	82.0	R9:	7.2		
R2:	92.1	R10:	83.2		
R3:	95.4	R11:	84.1		
R4:	82.6	R12:	80.9		
R5:	82.9	R13:	84.4		
R6:	92.4	R14:	98.1		
R7:	81.6	R15:	73.2		
R8:	57.2				



Test Conditions

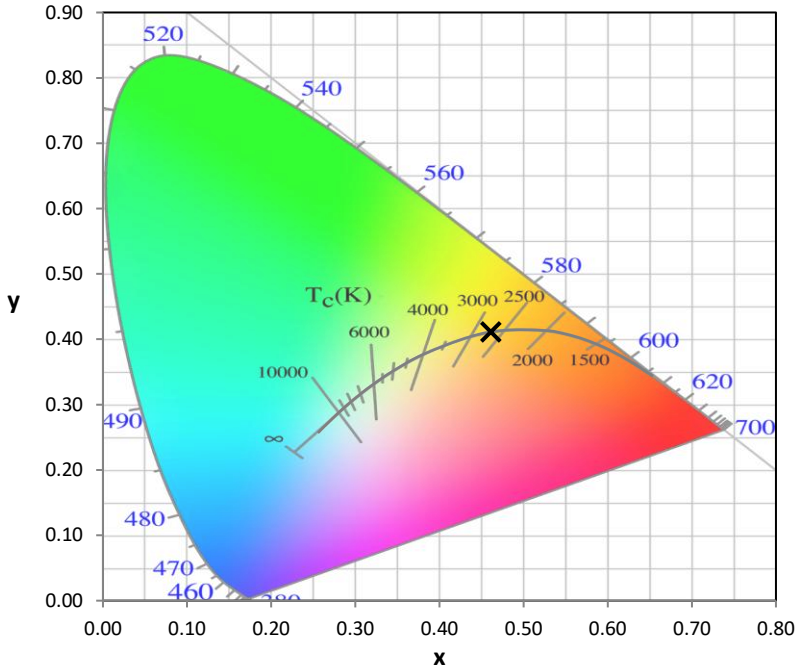
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-6

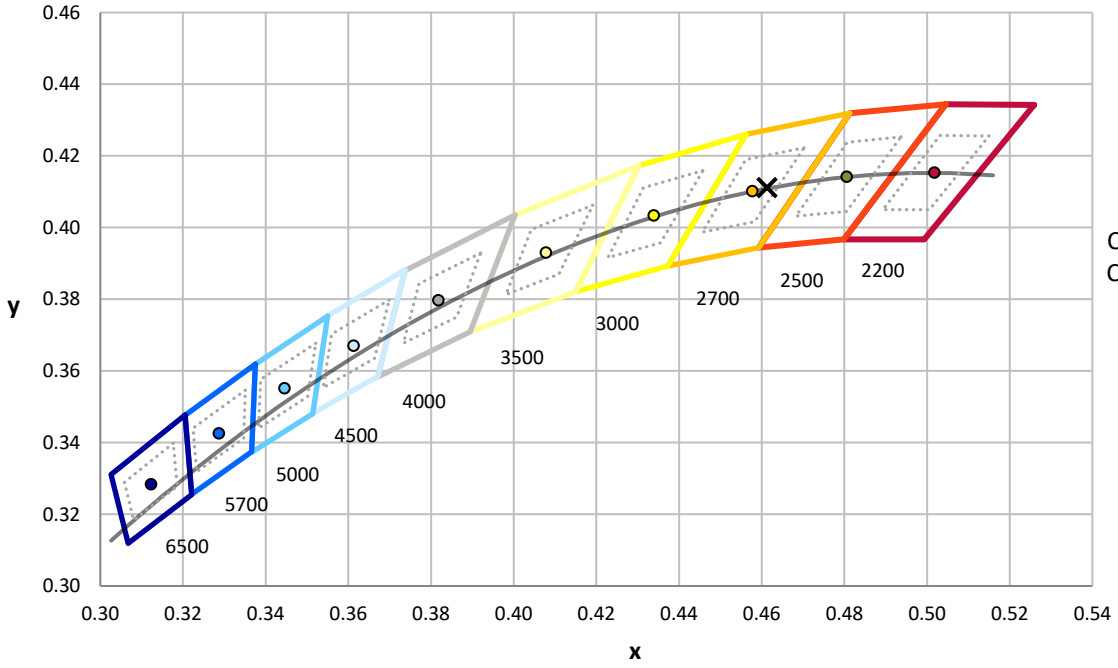
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	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: SP1-2509-539-6

CIE 1931 Chromaticity Diagram



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

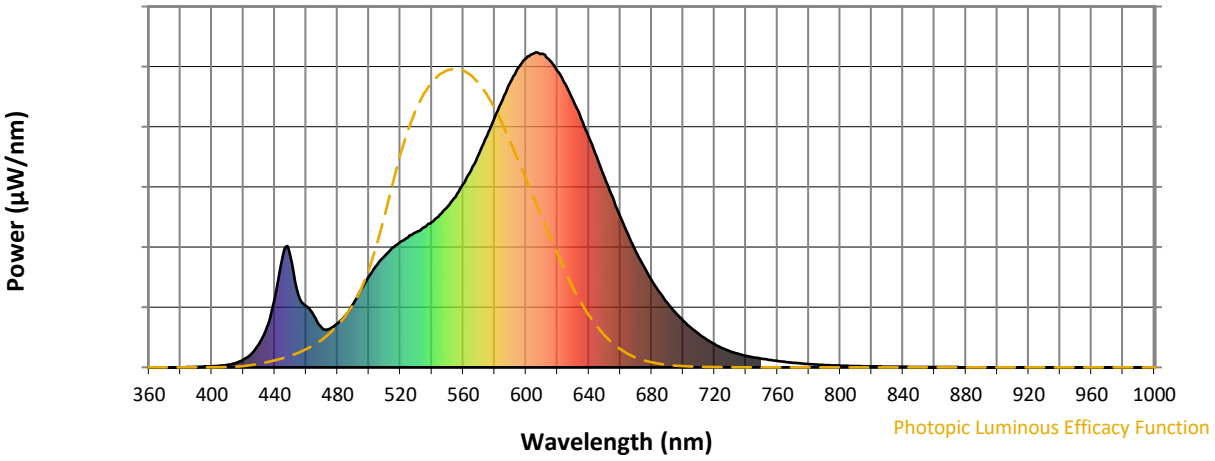


CCT = 2685K
CIE x = 0.4613
CIE y = 0.4112
Duv = 0.0001

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2509-539-6

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	202	NR	620	941	NR	750	28	NR	880	0	NR
365	0	NR	495	247	NR	625	900	NR	755	24	NR	885	0	NR
370	0	NR	500	290	NR	630	847	NR	760	20	NR	890	0	NR
375	0	NR	505	324	NR	635	791	NR	765	17	NR	895	0	NR
380	0	NR	510	354	NR	640	730	NR	770	15	NR	900	0	NR
385	1	NR	515	380	NR	645	668	NR	775	13	NR	905	0	NR
390	2	NR	520	398	NR	650	602	NR	780	11	NR	910	0	NR
395	3	NR	525	413	NR	655	541	NR	785	9	NR	915	0	NR
400	3	NR	530	428	NR	660	478	NR	790	8	NR	920	0	NR
405	5	NR	535	445	NR	665	421	NR	795	6	NR	925	0	NR
410	8	NR	540	461	NR	670	367	NR	800	5	NR	930	0	NR
415	14	NR	545	485	NR	675	320	NR	805	5	NR	935	0	NR
420	24	NR	550	510	NR	680	277	NR	810	4	NR	940	0	NR
425	43	NR	555	541	NR	685	238	NR	815	3	NR	945	0	NR
430	74	NR	560	582	NR	690	205	NR	820	3	NR	950	0	NR
435	128	NR	565	626	NR	695	175	NR	825	3	NR	955	0	NR
440	218	NR	570	677	NR	700	148	NR	830	2	NR	960	0	NR
445	352	NR	575	734	NR	705	126	NR	835	2	NR	965	0	NR
450	354	NR	580	793	NR	710	106	NR	840	2	NR	970	0	NR
455	230	NR	585	849	NR	715	89	NR	845	1	NR	975	0	NR
460	195	NR	590	907	NR	720	74	NR	850	1	NR	980	0	NR
465	164	NR	595	951	NR	725	61	NR	855	1	NR	985	0	NR
470	125	NR	600	981	NR	730	51	NR	860	1	NR	990	0	NR
475	122	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	996	NR	740	37	NR	870	1	NR	1000	0	NR
485	164	NR	615	976	NR	745	32	NR	875	1	NR			

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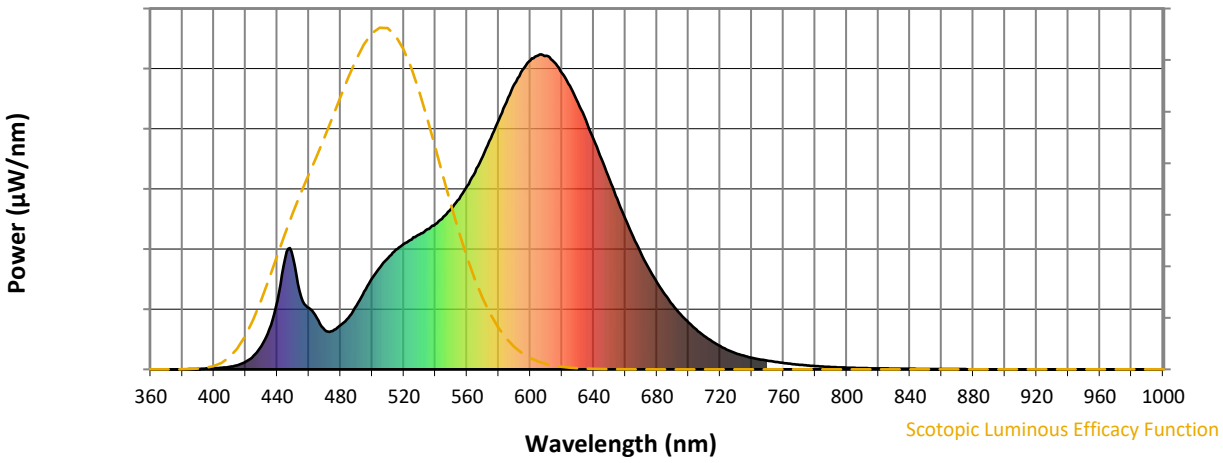
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.22**

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	202	NR	620	941	NR	750	28	NR	880	0	NR
365	0	NR	495	247	NR	625	900	NR	755	24	NR	885	0	NR
370	0	NR	500	290	NR	630	847	NR	760	20	NR	890	0	NR
375	0	NR	505	324	NR	635	791	NR	765	17	NR	895	0	NR
380	0	NR	510	354	NR	640	730	NR	770	15	NR	900	0	NR
385	1	NR	515	380	NR	645	668	NR	775	13	NR	905	0	NR
390	2	NR	520	398	NR	650	602	NR	780	11	NR	910	0	NR
395	3	NR	525	413	NR	655	541	NR	785	9	NR	915	0	NR
400	3	NR	530	428	NR	660	478	NR	790	8	NR	920	0	NR
405	5	NR	535	445	NR	665	421	NR	795	6	NR	925	0	NR
410	8	NR	540	461	NR	670	367	NR	800	5	NR	930	0	NR
415	14	NR	545	485	NR	675	320	NR	805	5	NR	935	0	NR
420	24	NR	550	510	NR	680	277	NR	810	4	NR	940	0	NR
425	43	NR	555	541	NR	685	238	NR	815	3	NR	945	0	NR
430	74	NR	560	582	NR	690	205	NR	820	3	NR	950	0	NR
435	128	NR	565	626	NR	695	175	NR	825	3	NR	955	0	NR
440	218	NR	570	677	NR	700	148	NR	830	2	NR	960	0	NR
445	352	NR	575	734	NR	705	126	NR	835	2	NR	965	0	NR
450	354	NR	580	793	NR	710	106	NR	840	2	NR	970	0	NR
455	230	NR	585	849	NR	715	89	NR	845	1	NR	975	0	NR
460	195	NR	590	907	NR	720	74	NR	850	1	NR	980	0	NR
465	164	NR	595	951	NR	725	61	NR	855	1	NR	985	0	NR
470	125	NR	600	981	NR	730	51	NR	860	1	NR	990	0	NR
475	122	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	996	NR	740	37	NR	870	1	NR	1000	0	NR
485	164	NR	615	976	NR	745	32	NR	875	1	NR			

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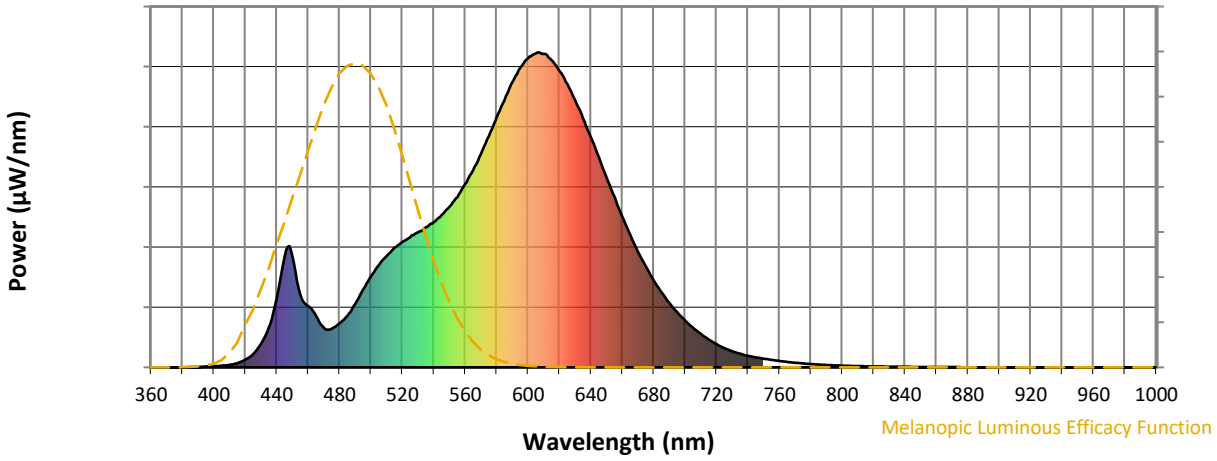
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.26**

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	202	NR	620	941	NR	750	28	NR	880	0	NR
365	0	NR	495	247	NR	625	900	NR	755	24	NR	885	0	NR
370	0	NR	500	290	NR	630	847	NR	760	20	NR	890	0	NR
375	0	NR	505	324	NR	635	791	NR	765	17	NR	895	0	NR
380	0	NR	510	354	NR	640	730	NR	770	15	NR	900	0	NR
385	1	NR	515	380	NR	645	668	NR	775	13	NR	905	0	NR
390	2	NR	520	398	NR	650	602	NR	780	11	NR	910	0	NR
395	3	NR	525	413	NR	655	541	NR	785	9	NR	915	0	NR
400	3	NR	530	428	NR	660	478	NR	790	8	NR	920	0	NR
405	5	NR	535	445	NR	665	421	NR	795	6	NR	925	0	NR
410	8	NR	540	461	NR	670	367	NR	800	5	NR	930	0	NR
415	14	NR	545	485	NR	675	320	NR	805	5	NR	935	0	NR
420	24	NR	550	510	NR	680	277	NR	810	4	NR	940	0	NR
425	43	NR	555	541	NR	685	238	NR	815	3	NR	945	0	NR
430	74	NR	560	582	NR	690	205	NR	820	3	NR	950	0	NR
435	128	NR	565	626	NR	695	175	NR	825	3	NR	955	0	NR
440	218	NR	570	677	NR	700	148	NR	830	2	NR	960	0	NR
445	352	NR	575	734	NR	705	126	NR	835	2	NR	965	0	NR
450	354	NR	580	793	NR	710	106	NR	840	2	NR	970	0	NR
455	230	NR	585	849	NR	715	89	NR	845	1	NR	975	0	NR
460	195	NR	590	907	NR	720	74	NR	850	1	NR	980	0	NR
465	164	NR	595	951	NR	725	61	NR	855	1	NR	985	0	NR
470	125	NR	600	981	NR	730	51	NR	860	1	NR	990	0	NR
475	122	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	996	NR	740	37	NR	870	1	NR	1000	0	NR
485	164	NR	615	976	NR	745	32	NR	875	1	NR			

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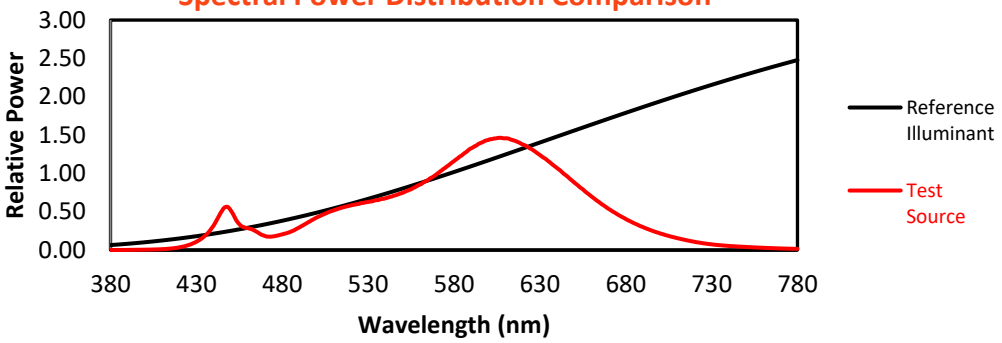
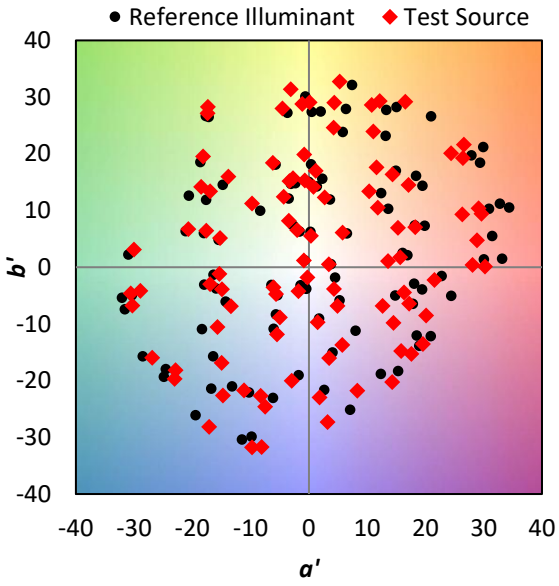
Summary

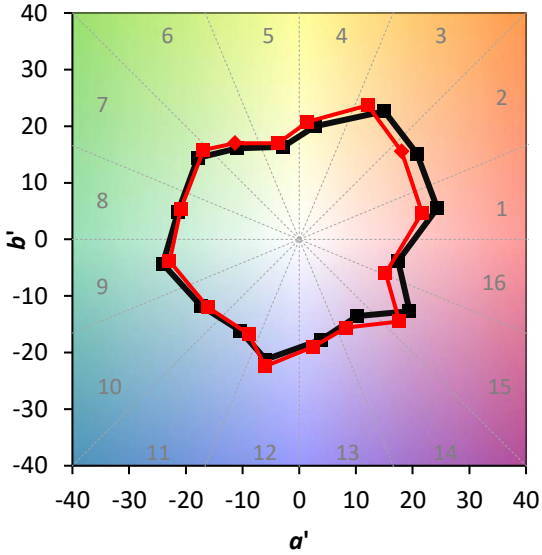
R_f = 85.8
R_g = 97.1
CIE R_a = 83.3
R_9 = 7.2

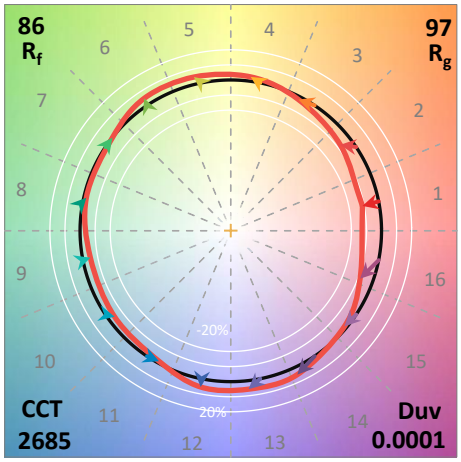
Spectral Power Distribution Comparison

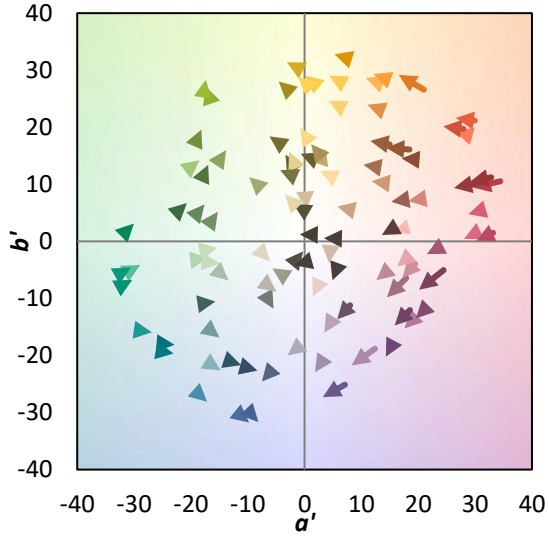


Color Vector Graphics









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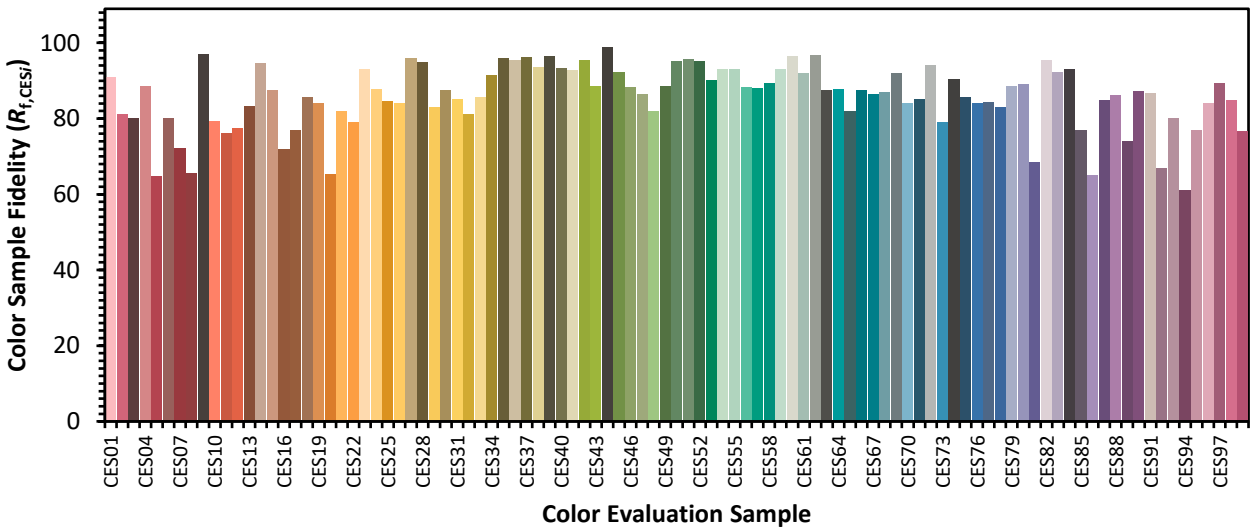
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 84	CES51 = 96	CES76 = 84
CES02 = 64	CES27 = 96	CES52 = 95	CES77 = 84
CES03 = 32	CES28 = 95	CES53 = 90	CES78 = 83
CES04 = 71	CES29 = 83	CES54 = 93	CES79 = 89
CES05 = 51	CES30 = 87	CES55 = 93	CES80 = 89
CES06 = 52	CES31 = 85	CES56 = 88	CES81 = 69
CES07 = 43	CES32 = 81	CES57 = 88	CES82 = 95
CES08 = 42	CES33 = 86	CES58 = 89	CES83 = 92
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 93
CES10 = 77	CES35 = 96	CES60 = 97	CES85 = 77
CES11 = 60	CES36 = 95	CES61 = 92	CES86 = 65
CES12 = 66	CES37 = 96	CES62 = 97	CES87 = 85
CES13 = 44	CES38 = 94	CES63 = 87	CES88 = 86
CES14 = 74	CES39 = 96	CES64 = 88	CES89 = 74
CES15 = 72	CES40 = 93	CES65 = 82	CES90 = 87
CES16 = 48	CES41 = 93	CES66 = 87	CES91 = 87
CES17 = 50	CES42 = 95	CES67 = 86	CES92 = 67
CES18 = 57	CES43 = 89	CES68 = 87	CES93 = 80
CES19 = 73	CES44 = 99	CES69 = 92	CES94 = 61
CES20 = 67	CES45 = 92	CES70 = 84	CES95 = 77
CES21 = 87	CES46 = 88	CES71 = 85	CES96 = 84
CES22 = 79	CES47 = 86	CES72 = 94	CES97 = 89
CES23 = 92	CES48 = 82	CES73 = 79	CES98 = 85
CES24 = 91	CES49 = 89	CES74 = 90	CES99 = 77
CES25 = 72	CES50 = 95	CES75 = 86	



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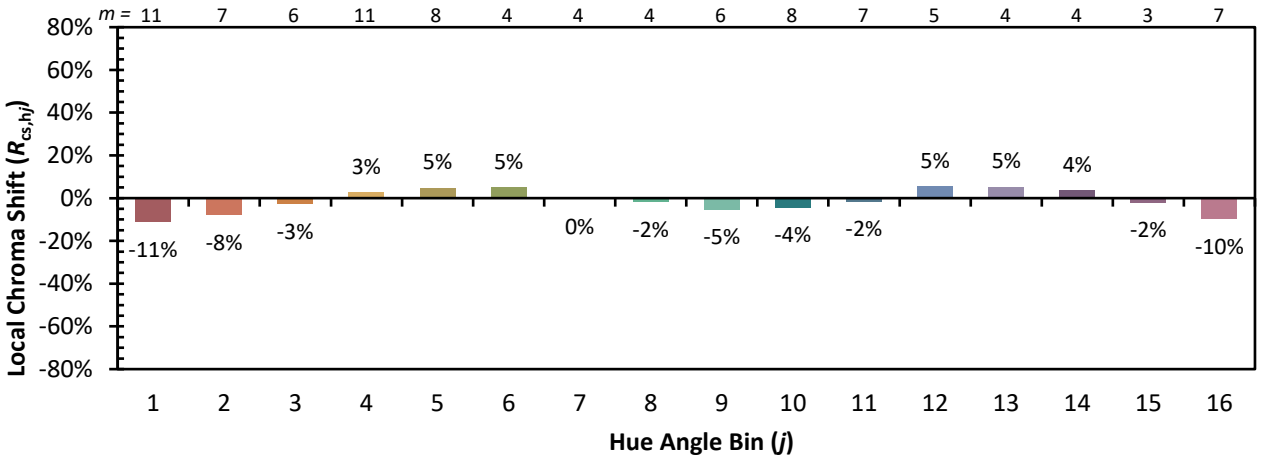
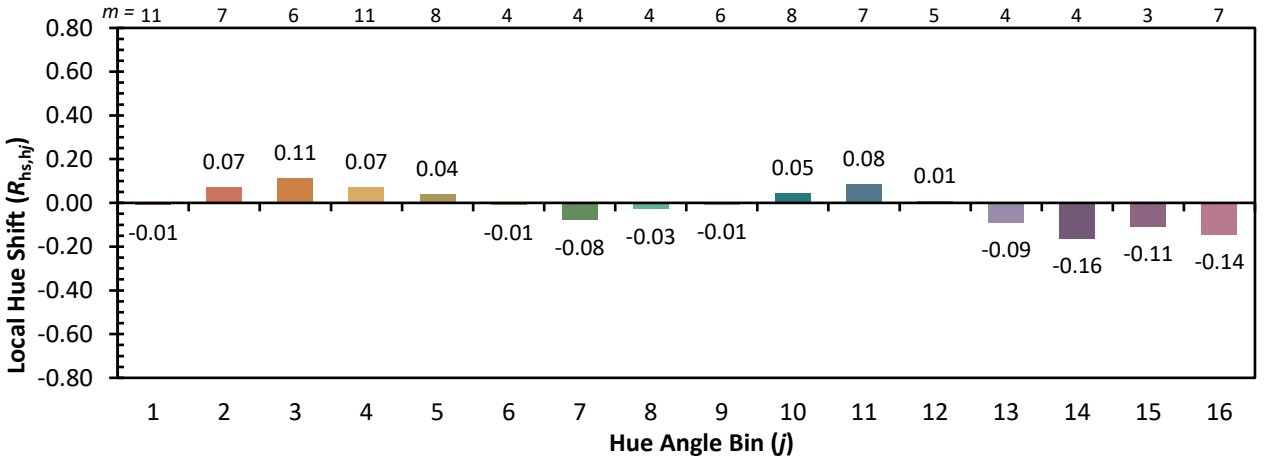
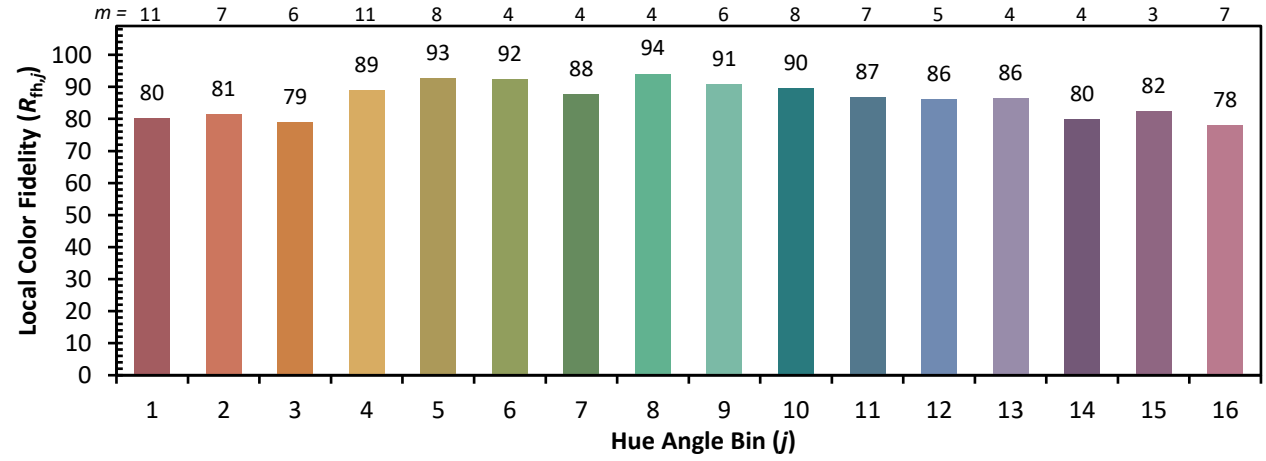
Color Rendition by Hue-Angle Bin







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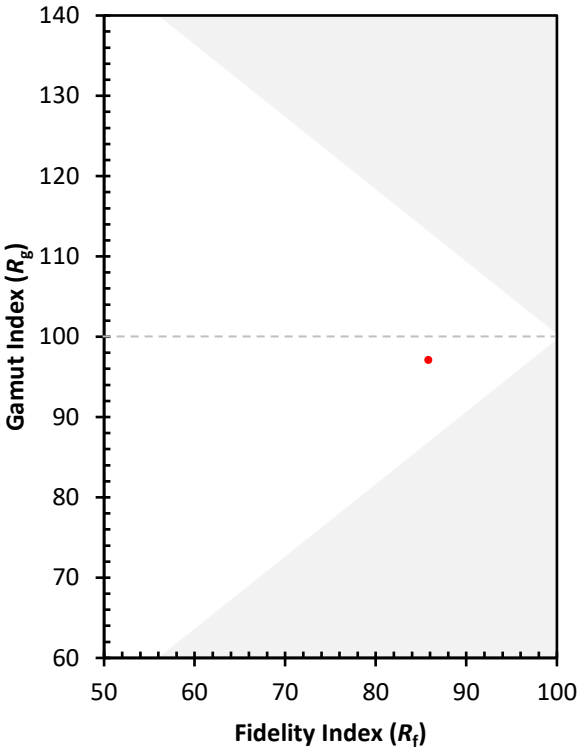
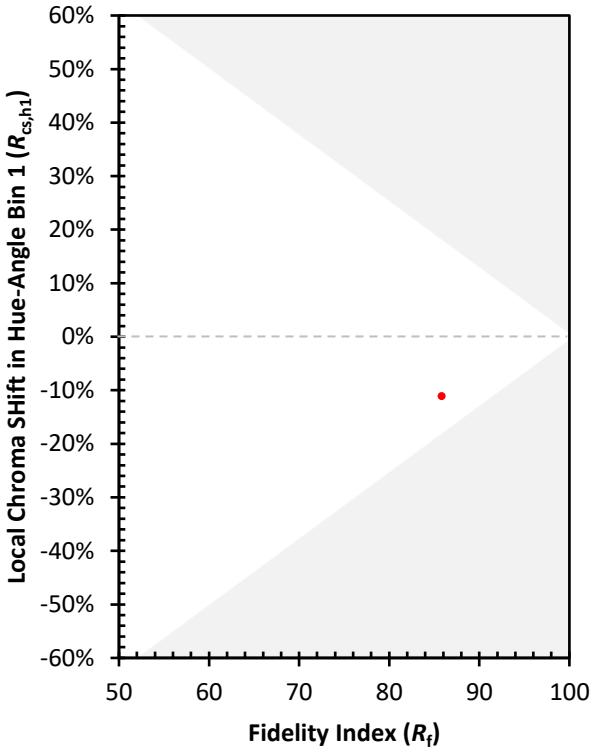
Measure Comparisons





(END OF REPORT)