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: P1442059

Luminaire Tested: ABW-C1-830-X-U-A-GM

Issue Date: 4/23/2026

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:	P1442059
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2509-539-34)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	4/24/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	INVUE
Catalog Number:	ABW-C1-830-X-U-A-GM
Description:	ARBOR OUTDOOR ARCHITECTURAL WALL MOUNT LUMINAIRE
	ASYMMETRIC OPTIC, GRAPHITE METALLIC PAINTED FINISH
Light Source:	2200K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	440.9 lumens
Efficiency:	N/A
Efficacy:	41.2 lumens/watt
Luminous Opening:	Circular (Dia: 0.4' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G0

Input Watts (W):	10.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.9841
Total Harmonic Distortion (THDi):	0.0966211
Frequency (hertz):	60
Stabilization Time:	0.5 HR
Operation Time:	3 HR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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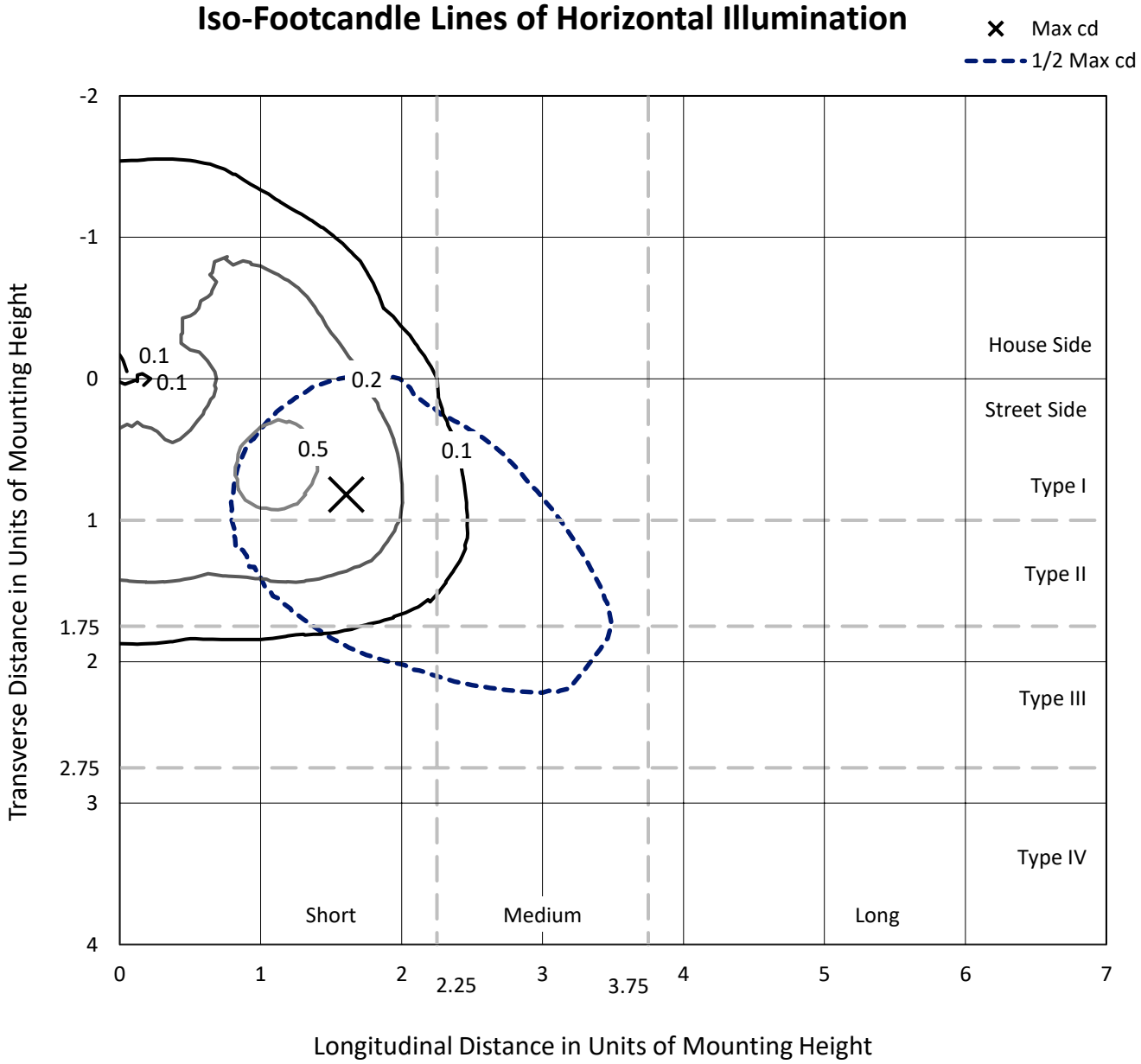
REPORT NUMBER: P1442059
CATALOG NUMBER: ABW-C1-830-X-U-A-GM

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Short - N/A

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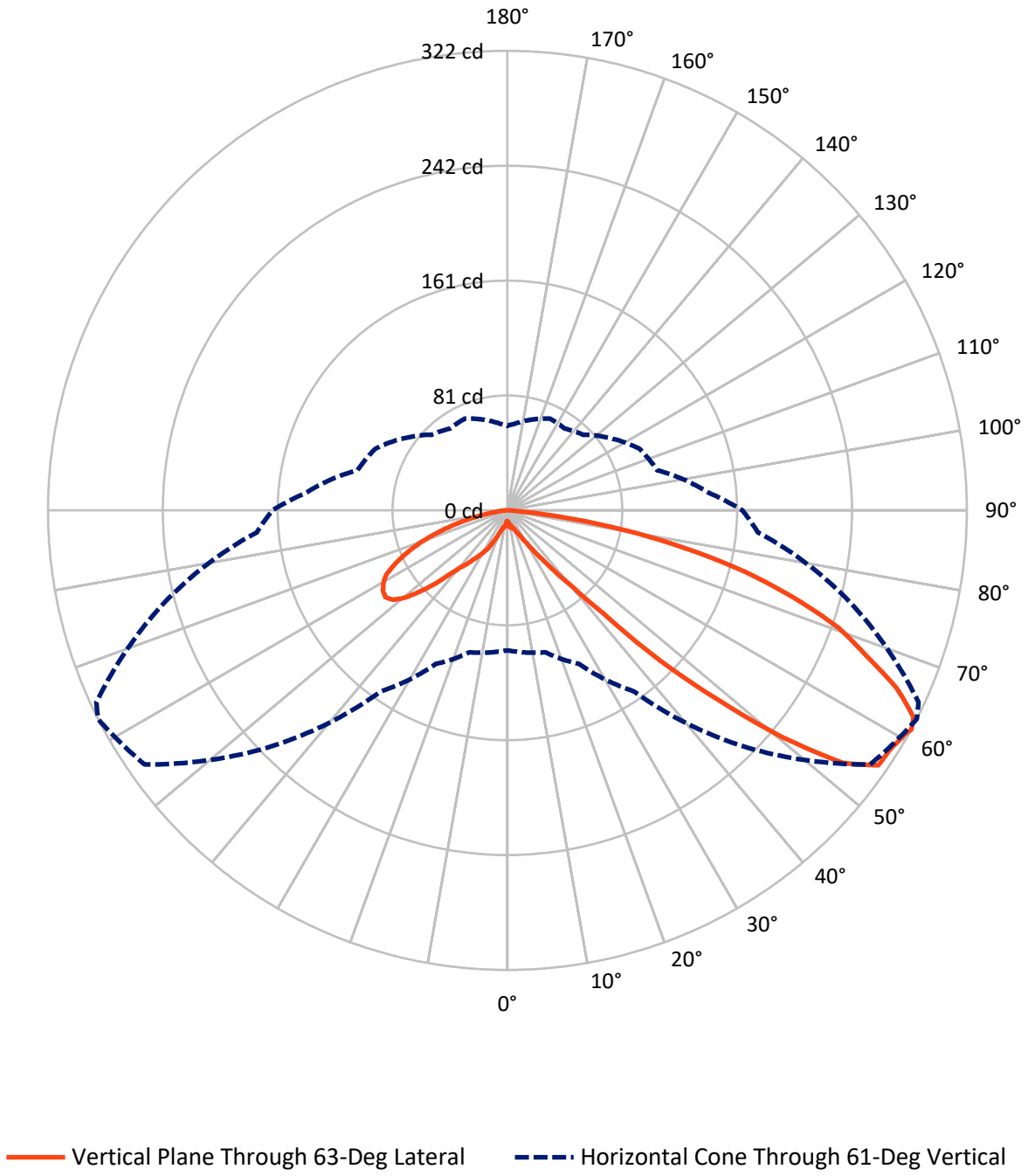
Luminous Intensity Polar Plot



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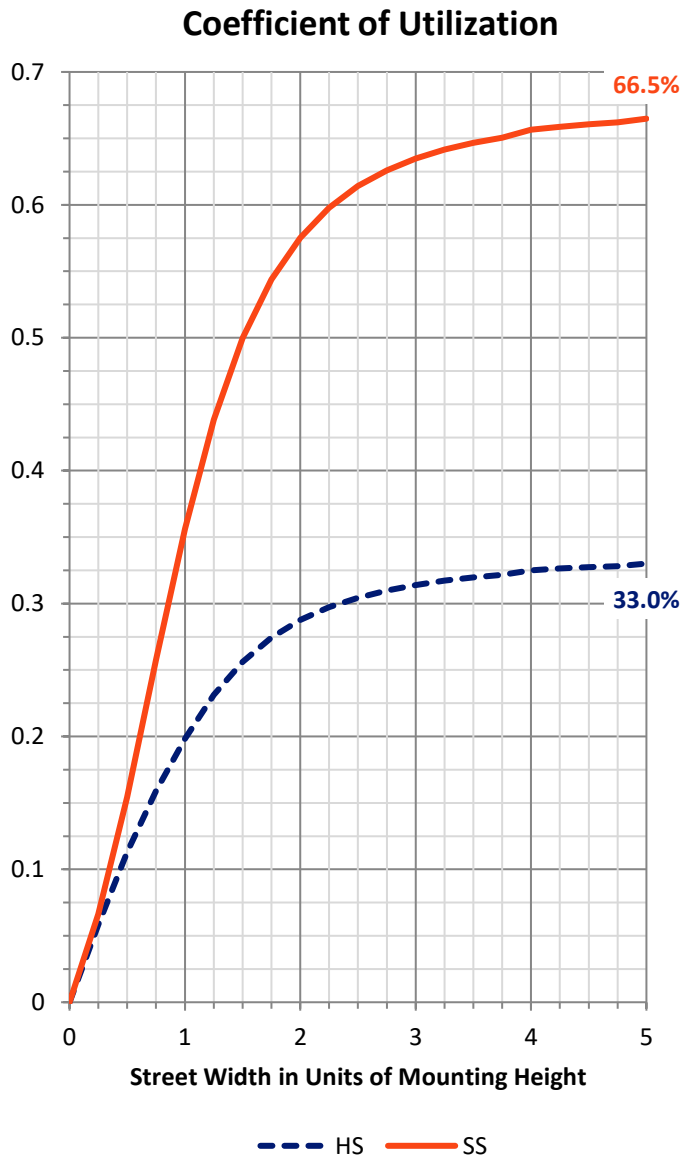
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	146.5	0.0	146.5
	% Fixture	33.2	0.0	33.2
Street Side	Lumens	294.3	0.0	294.3
	% Fixture	66.8	0.0	66.8
Total	Lumens	440.9	0.0	440.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.2
10°-20°	4.4	1.0
20°-30°	11.0	2.5
30°-40°	25.1	5.7
40°-50°	65.3	14.8
50°-60°	124.8	28.3
60°-70°	125.9	28.6
70°-80°	73.0	16.6
80°-90°	10.3	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°	440.9	100.0
0°-180°	440.9	100.0



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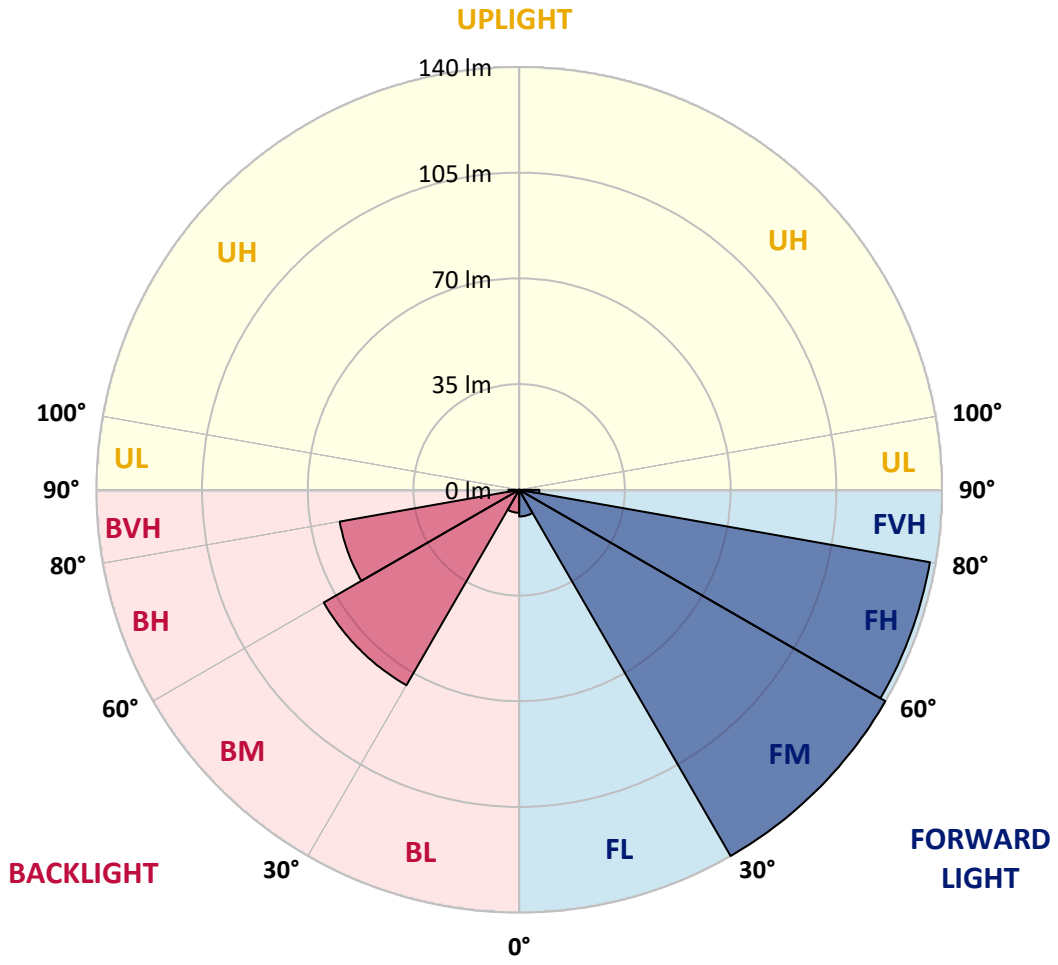
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	8.9	2.0			
FM	(30°-60°)	140.3	31.8			
FH	(60°-80°)	138.4	31.4			G0/660
FVH	(80°-90°)	6.7	1.5			G0/10
BL	(0°-30°)	7.6	1.7	B0/110		
BM	(30°-60°)	74.9	17.0	B0/220		
BH	(60°-80°)	60.5	13.7	B0/110		G0/110
BVH	(80°-90°)	3.6	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: P1442059
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	*8.2*	8.2	8.2	8.2
2.5°	13.2	14.0	12.4	12.4	11.5	10.7	9.9	*9.1*	9.1	8.2	8.2
5°	17.3	16.5	14.8	12.4	11.5	9.9	9.1	*8.2*	8.2	8.2	7.4
7.5°	19.0	17.3	17.3	14.8	13.2	13.2	13.2	*11.5*	10.7	9.9	9.9
10°	18.1	18.1	18.1	16.5	15.7	14.8	13.2	*12.4*	11.5	10.7	11.5
12.5°	16.5	16.5	19.0	18.1	15.7	14.8	13.2	*10.7*	10.7	10.7	9.9
15°	17.3	18.1	20.6	20.6	19.0	15.7	14.0	*12.4*	12.4	11.5	10.7
17.5°	21.4	21.4	21.4	21.4	21.4	18.1	14.0	*13.2*	12.4	12.4	12.4
20°	24.7	24.7	23.9	23.9	23.9	19.0	15.7	*14.0*	14.0	14.0	13.2
22.5°	29.7	28.8	30.5	27.2	25.5	20.6	17.3	*16.5*	16.5	15.7	14.8
25°	36.3	37.9	33.0	28.8	27.2	22.2	19.0	*18.1*	18.1	19.0	17.3
27.5°	44.5	44.5	37.1	33.0	29.7	24.7	23.1	*22.2*	21.4	22.2	21.4
30°	48.6	49.4	42.8	36.3	33.0	29.7	27.2	*26.4*	26.4	27.2	25.5
32.5°	53.6	54.4	47.0	40.4	36.3	34.6	34.6	*33.8*	33.0	32.1	29.7
35°	58.5	59.3	53.6	44.5	42.0	42.0	42.8	*42.0*	41.2	38.7	35.4
37.5°	63.4	64.3	58.5	50.3	47.0	50.3	53.6	*54.4*	52.7	48.6	42.8
40°	66.7	69.2	63.4	55.2	54.4	61.0	68.4	*70.9*	69.2	61.8	51.1
42.5°	71.7	74.2	70.9	62.6	63.4	76.6	93.9	*98.9*	96.4	83.2	65.9
45°	83.2	84.9	84.0	78.3	80.8	108.8	143.4	*150.0*	145.0	118.7	89.8
47.5°	90.6	90.6	93.1	88.2	97.2	142.6	187.9	*197.8*	192.8	153.3	113.7
50°	100.5	100.5	106.3	105.5	121.1	182.9	237.3	*249.7*	245.6	195.3	140.9
52.5°	103.8	106.3	112.9	116.2	140.9	210.9	281.8	*294.2*	290.9	225.0	161.5
55°	105.5	107.9	114.5	120.3	152.4	229.9	309.0	*315.6*	312.3	246.4	171.4
57.5°	104.6	107.1	112.1	119.5	154.1	236.5	309.0	*316.4*	313.1	253.0	174.7
60°	101.4	102.2	105.5	118.7	154.9	235.7	309.0	*319.7*	317.2	251.3	177.2
61°	*98.1*	*99.7*	*103.0*	*118.7*	*154.9*	*234.0*	*310.6*	*322.2*	*318.1*	*248.8*	*176.3*
62.5°	93.9	95.6	98.1	117.8	152.4	228.2	309.0	*319.7*	315.6	243.1	171.4
65°	85.7	85.7	86.5	113.7	142.6	210.9	291.7	*299.9*	292.5	226.6	159.0
67.5°	74.2	73.3	75.8	107.1	131.8	191.2	266.2	*271.1*	266.2	205.2	145.8
70°	61.0	61.0	64.3	97.2	119.5	167.3	240.6	*246.4*	241.4	179.6	132.7
72.5°	48.6	47.0	52.7	82.4	103.8	141.7	207.6	*210.9*	207.6	152.4	113.7
75°	35.4	33.0	42.0	66.7	84.9	112.1	168.1	*172.2*	166.4	119.5	92.3
77.5°	23.9	21.4	29.7	47.0	61.8	80.8	125.2	*127.7*	122.0	85.7	67.6
80°	14.0	13.2	19.0	27.2	37.1	50.3	79.1	*82.4*	76.6	53.6	41.2
82.5°	9.1	8.2	9.9	10.7	13.2	22.2	35.4	*37.1*	32.1	20.6	16.5
85°	5.8	4.9	4.9	4.1	4.9	4.9	4.9	*6.6*	5.8	4.9	4.1
87.5°	4.1	4.1	3.3	3.3	3.3	3.3	4.1	*4.1*	4.1	3.3	3.3
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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Scaled Data Report

REPORT NUMBER: P1442059
CATALOG NUMBER: ABW-C1-830-X-U-A-GM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
2.5°	7.4	7.4	7.4	7.4	7.4	8.2	7.4	8.2	8.2	8.2	8.2
5°	7.4	7.4	8.2	8.2	9.1	9.1	9.1	9.1	8.2	8.2	7.4
7.5°	9.9	9.9	9.9	10.7	11.5	10.7	9.9	10.7	10.7	9.9	9.9
10°	10.7	10.7	10.7	11.5	13.2	13.2	12.4	12.4	12.4	10.7	10.7
12.5°	10.7	10.7	11.5	11.5	12.4	14.8	14.0	14.8	14.0	12.4	12.4
15°	11.5	11.5	12.4	12.4	14.8	16.5	15.7	15.7	14.8	12.4	12.4
17.5°	13.2	13.2	14.0	14.0	16.5	18.1	19.0	16.5	15.7	13.2	13.2
20°	13.2	14.0	16.5	16.5	19.0	19.8	21.4	19.0	16.5	14.8	14.8
22.5°	14.8	14.8	17.3	20.6	22.2	22.2	23.1	19.8	17.3	15.7	15.7
25°	17.3	17.3	20.6	24.7	25.5	23.9	24.7	21.4	18.1	15.7	15.7
27.5°	20.6	22.2	25.5	30.5	28.0	26.4	25.5	23.1	19.0	17.3	16.5
30°	26.4	25.5	29.7	33.8	32.1	28.8	28.0	24.7	19.8	17.3	17.3
32.5°	31.3	31.3	34.6	37.9	36.3	32.1	30.5	26.4	21.4	18.1	18.1
35°	37.1	37.9	39.6	42.0	39.6	34.6	33.0	28.8	23.1	19.8	19.8
37.5°	43.7	44.5	45.3	47.8	43.7	38.7	36.3	31.3	25.5	22.2	23.1
40°	51.1	52.7	52.7	52.7	48.6	42.8	40.4	34.6	29.7	27.2	28.0
42.5°	65.1	65.9	64.3	61.0	55.2	48.6	47.0	42.0	36.3	33.0	35.4
45°	85.7	84.0	80.8	73.3	65.9	57.7	55.2	50.3	44.5	41.2	43.7
47.5°	105.5	100.5	95.6	84.9	75.8	66.7	63.4	60.2	53.6	49.4	51.9
50°	131.0	119.5	109.6	96.4	84.9	75.8	70.9	68.4	61.0	56.9	56.9
52.5°	149.1	131.8	117.0	104.6	90.6	79.9	75.0	73.3	65.9	61.0	60.2
55°	155.7	137.6	119.5	107.9	93.1	80.8	75.8	74.2	67.6	62.6	61.8
57.5°	159.9	140.1	116.2	107.1	91.5	79.1	73.3	73.3	67.6	62.6	61.8
60°	164.8	142.6	111.2	103.8	89.0	76.6	71.7	71.7	66.7	61.8	61.0
61°	*164.8*	*141.7*	*108.8*	*102.2*	*88.2*	*75.0*	*70.0*	*70.9*	*65.9*	*61.0*	*59.3*
62.5°	162.3	139.3	103.8	98.9	84.9	72.5	68.4	69.2	64.3	59.3	58.5
65°	154.1	132.7	96.4	89.8	77.5	65.9	63.4	64.3	60.2	55.2	54.4
67.5°	143.4	123.6	86.5	79.1	68.4	59.3	57.7	57.7	55.2	50.3	49.4
70°	127.7	111.2	75.8	67.6	59.3	51.9	51.1	51.9	48.6	45.3	43.7
72.5°	107.9	94.8	64.3	54.4	48.6	43.7	44.5	43.7	42.0	38.7	37.1
75°	84.0	75.8	51.1	41.2	37.1	35.4	35.4	35.4	33.8	32.1	30.5
77.5°	58.5	53.6	35.4	28.8	26.4	26.4	26.4	25.5	25.5	23.9	22.2
80°	33.0	30.5	19.8	17.3	16.5	17.3	17.3	15.7	16.5	16.5	14.8
82.5°	10.7	10.7	9.1	9.1	9.1	9.1	8.2	7.4	9.1	9.9	8.2
85°	3.3	4.1	4.1	4.9	4.9	4.1	4.1	4.1	4.9	5.8	4.9
87.5°	2.5	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1	4.1
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: SP1-2509-539-5

Test Date: 04/14/2026

Luminaire Tested: Luxscape Bollard

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

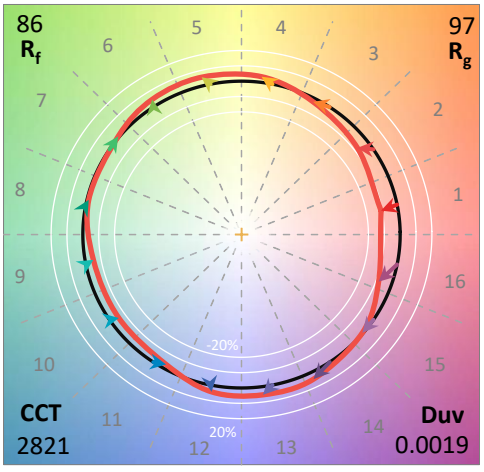
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2509-539-5
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-C1-830-LED-XX-Dx-S-GM-SPECULAR REFLECTOR

Spectral Parameters

CCT (K):	2821	CRI (Ra):	83.8		
CIE u':	0.2567	R1:	82.0	R9:	8.2
CIE v':	0.5277	R2:	90.6	R10:	79.9
Duv:	0.0019	R3:	97.7	R11:	85.5
CIE x:	0.4533	R4:	84.0	R12:	78.4
CIE y:	0.4141	R5:	82.7	R13:	83.9
CIE z:	0.1326	R6:	90.4	R14:	99.2
Peak Wavelength (nm):	607	R7:	83.6	R15:	73.1
Dominant Wavelength (nm):	583	R8:	59.4		
Purity:	60.36315				

Rf:	86.1
Rg:	97.2



Test Conditions

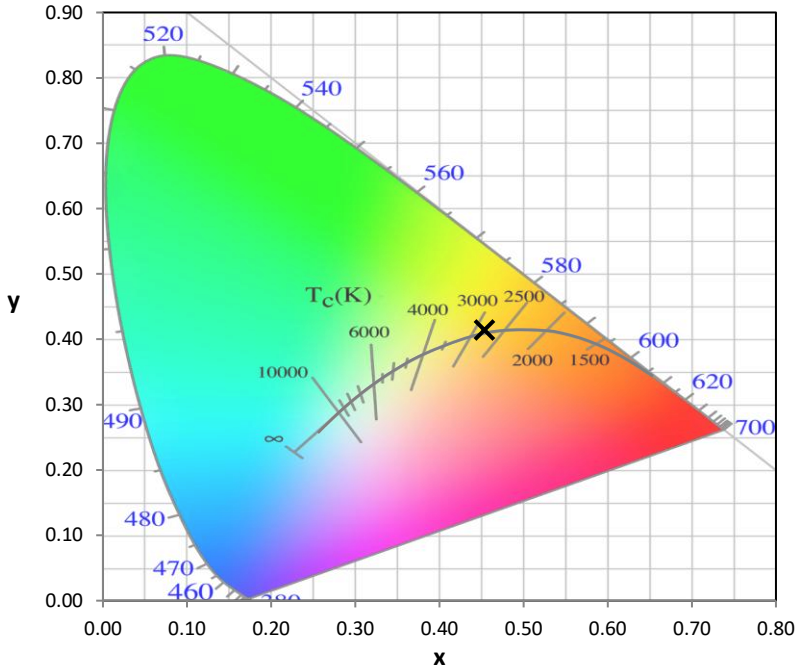
Stabilization Time:	28M
Operation Time:	1H 28M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-5

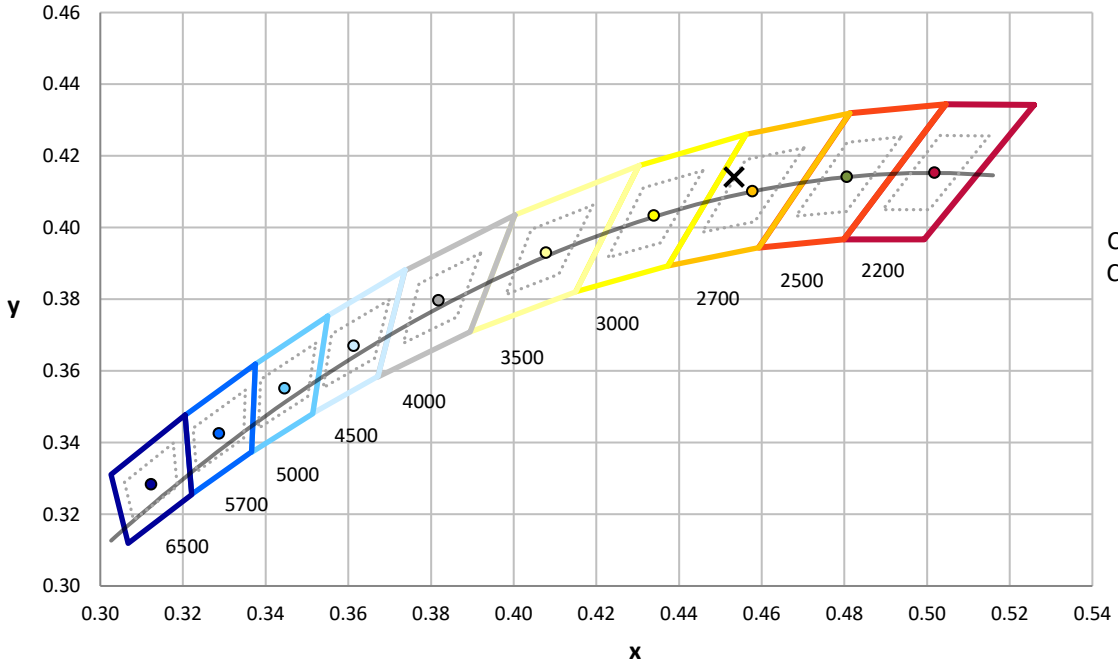
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	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: SP1-2509-539-5

CIE 1931 Chromaticity Diagram



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

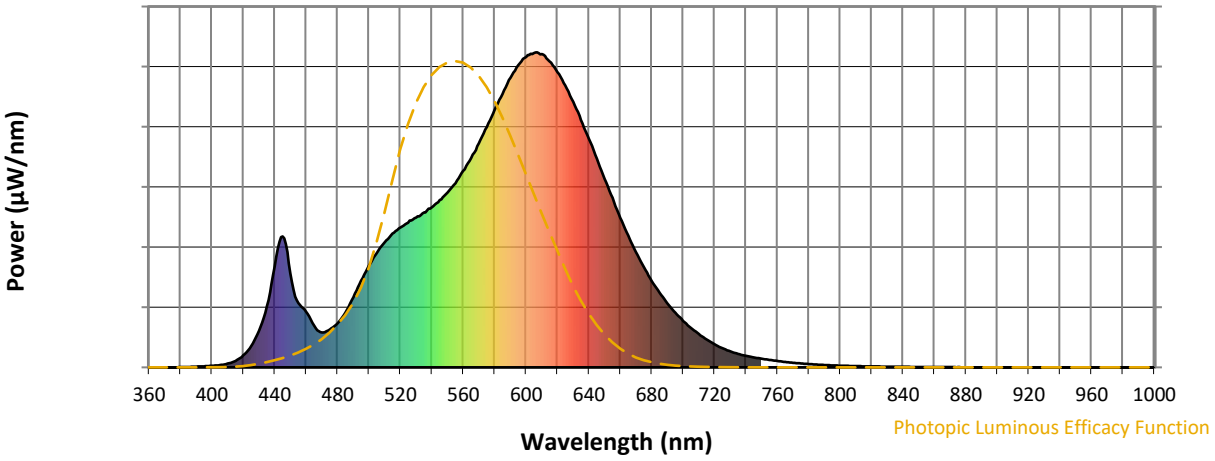


CCT = 2821K
CIE x = 0.4533
CIE y = 0.4141
Duv = 0.0019

Point lies inside the ANSI 2700K 7-step quadrangle

REPORT NUMBER: SP1-2509-539-5

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	223	NR	620	936	NR	750	28	NR	880	0	NR
365	0	NR	495	275	NR	625	895	NR	755	24	NR	885	0	NR
370	0	NR	500	324	NR	630	843	NR	760	20	NR	890	0	NR
375	0	NR	505	363	NR	635	786	NR	765	17	NR	895	0	NR
380	1	NR	510	397	NR	640	725	NR	770	15	NR	900	0	NR
385	1	NR	515	425	NR	645	663	NR	775	12	NR	905	0	NR
390	2	NR	520	444	NR	650	599	NR	780	11	NR	910	0	NR
395	3	NR	525	459	NR	655	538	NR	785	9	NR	915	0	NR
400	5	NR	530	476	NR	660	475	NR	790	8	NR	920	0	NR
405	7	NR	535	492	NR	665	419	NR	795	6	NR	925	0	NR
410	12	NR	540	508	NR	670	365	NR	800	5	NR	930	0	NR
415	20	NR	545	531	NR	675	318	NR	805	5	NR	935	0	NR
420	38	NR	550	554	NR	680	274	NR	810	4	NR	940	0	NR
425	68	NR	555	584	NR	685	237	NR	815	3	NR	945	0	NR
430	116	NR	560	623	NR	690	204	NR	820	3	NR	950	0	NR
435	195	NR	565	664	NR	695	174	NR	825	3	NR	955	0	NR
440	320	NR	570	711	NR	700	148	NR	830	2	NR	960	0	NR
445	416	NR	575	762	NR	705	125	NR	835	2	NR	965	0	NR
450	297	NR	580	817	NR	710	106	NR	840	2	NR	970	0	NR
455	204	NR	585	867	NR	715	88	NR	845	1	NR	975	0	NR
460	177	NR	590	920	NR	720	73	NR	850	1	NR	980	0	NR
465	133	NR	595	959	NR	725	61	NR	855	1	NR	985	0	NR
470	111	NR	600	986	NR	730	51	NR	860	1	NR	990	0	NR
475	120	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	994	NR	740	37	NR	870	1	NR	1000	0	NR
485	174	NR	615	972	NR	745	32	NR	875	1	NR			

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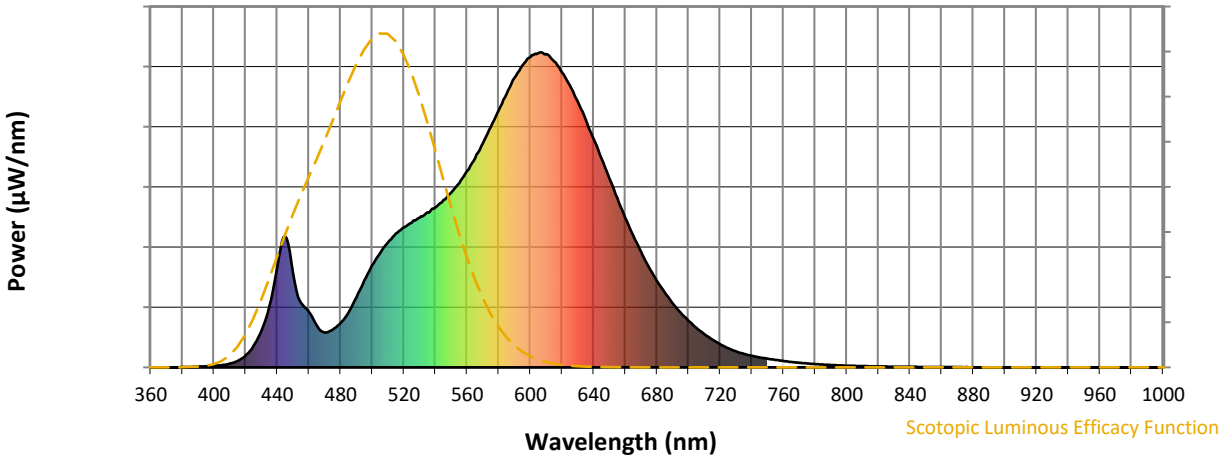
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.26**

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	223	NR	620	936	NR	750	28	NR	880	0	NR
365	0	NR	495	275	NR	625	895	NR	755	24	NR	885	0	NR
370	0	NR	500	324	NR	630	843	NR	760	20	NR	890	0	NR
375	0	NR	505	363	NR	635	786	NR	765	17	NR	895	0	NR
380	1	NR	510	397	NR	640	725	NR	770	15	NR	900	0	NR
385	1	NR	515	425	NR	645	663	NR	775	12	NR	905	0	NR
390	2	NR	520	444	NR	650	599	NR	780	11	NR	910	0	NR
395	3	NR	525	459	NR	655	538	NR	785	9	NR	915	0	NR
400	5	NR	530	476	NR	660	475	NR	790	8	NR	920	0	NR
405	7	NR	535	492	NR	665	419	NR	795	6	NR	925	0	NR
410	12	NR	540	508	NR	670	365	NR	800	5	NR	930	0	NR
415	20	NR	545	531	NR	675	318	NR	805	5	NR	935	0	NR
420	38	NR	550	554	NR	680	274	NR	810	4	NR	940	0	NR
425	68	NR	555	584	NR	685	237	NR	815	3	NR	945	0	NR
430	116	NR	560	623	NR	690	204	NR	820	3	NR	950	0	NR
435	195	NR	565	664	NR	695	174	NR	825	3	NR	955	0	NR
440	320	NR	570	711	NR	700	148	NR	830	2	NR	960	0	NR
445	416	NR	575	762	NR	705	125	NR	835	2	NR	965	0	NR
450	297	NR	580	817	NR	710	106	NR	840	2	NR	970	0	NR
455	204	NR	585	867	NR	715	88	NR	845	1	NR	975	0	NR
460	177	NR	590	920	NR	720	73	NR	850	1	NR	980	0	NR
465	133	NR	595	959	NR	725	61	NR	855	1	NR	985	0	NR
470	111	NR	600	986	NR	730	51	NR	860	1	NR	990	0	NR
475	120	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	994	NR	740	37	NR	870	1	NR	1000	0	NR
485	174	NR	615	972	NR	745	32	NR	875	1	NR			

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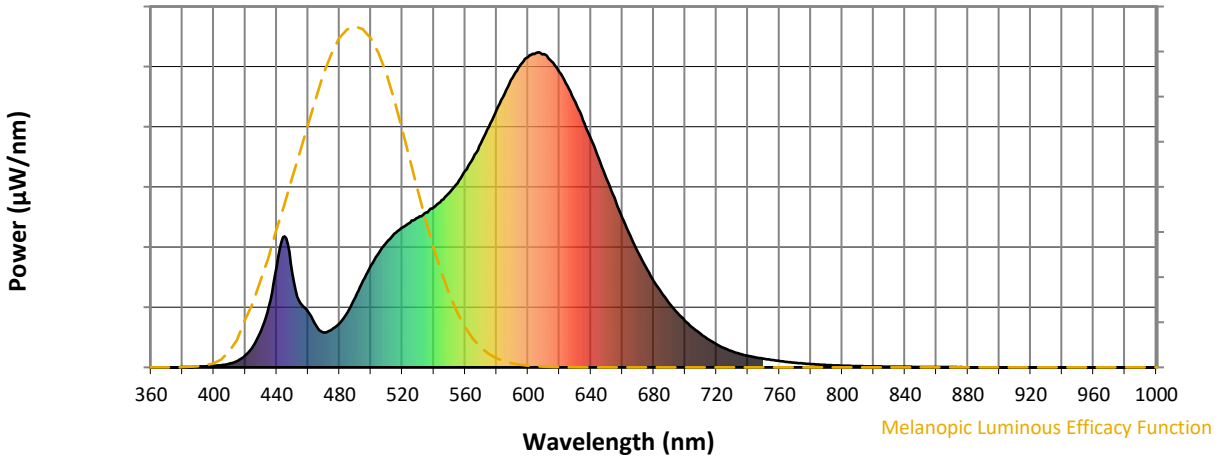
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.34**

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	223	NR	620	936	NR	750	28	NR	880	0	NR
365	0	NR	495	275	NR	625	895	NR	755	24	NR	885	0	NR
370	0	NR	500	324	NR	630	843	NR	760	20	NR	890	0	NR
375	0	NR	505	363	NR	635	786	NR	765	17	NR	895	0	NR
380	1	NR	510	397	NR	640	725	NR	770	15	NR	900	0	NR
385	1	NR	515	425	NR	645	663	NR	775	12	NR	905	0	NR
390	2	NR	520	444	NR	650	599	NR	780	11	NR	910	0	NR
395	3	NR	525	459	NR	655	538	NR	785	9	NR	915	0	NR
400	5	NR	530	476	NR	660	475	NR	790	8	NR	920	0	NR
405	7	NR	535	492	NR	665	419	NR	795	6	NR	925	0	NR
410	12	NR	540	508	NR	670	365	NR	800	5	NR	930	0	NR
415	20	NR	545	531	NR	675	318	NR	805	5	NR	935	0	NR
420	38	NR	550	554	NR	680	274	NR	810	4	NR	940	0	NR
425	68	NR	555	584	NR	685	237	NR	815	3	NR	945	0	NR
430	116	NR	560	623	NR	690	204	NR	820	3	NR	950	0	NR
435	195	NR	565	664	NR	695	174	NR	825	3	NR	955	0	NR
440	320	NR	570	711	NR	700	148	NR	830	2	NR	960	0	NR
445	416	NR	575	762	NR	705	125	NR	835	2	NR	965	0	NR
450	297	NR	580	817	NR	710	106	NR	840	2	NR	970	0	NR
455	204	NR	585	867	NR	715	88	NR	845	1	NR	975	0	NR
460	177	NR	590	920	NR	720	73	NR	850	1	NR	980	0	NR
465	133	NR	595	959	NR	725	61	NR	855	1	NR	985	0	NR
470	111	NR	600	986	NR	730	51	NR	860	1	NR	990	0	NR
475	120	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	994	NR	740	37	NR	870	1	NR	1000	0	NR
485	174	NR	615	972	NR	745	32	NR	875	1	NR			

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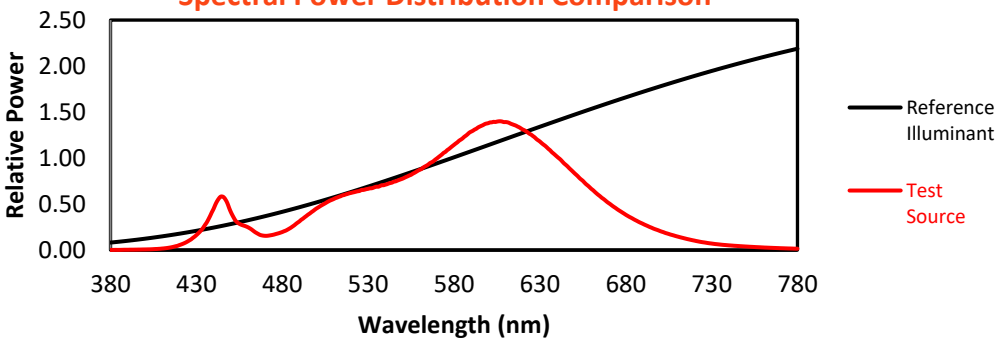
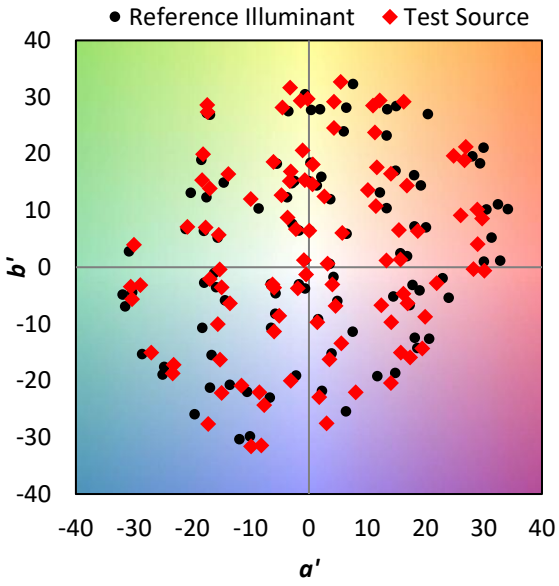
Summary

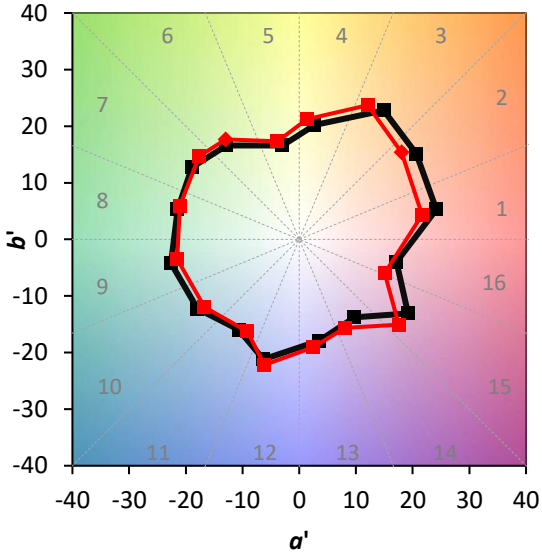
R_f = 86.1
R_g = 97.2
CIE R_a = 83.8
R_9 = 8.2

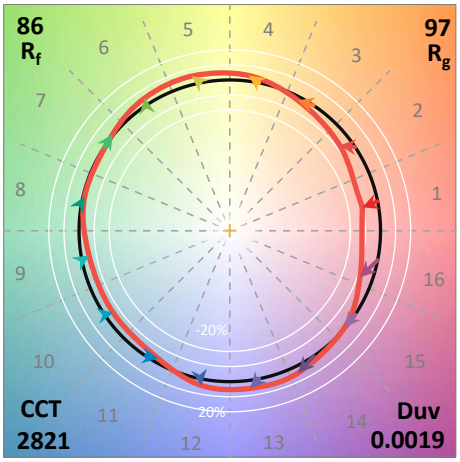
Spectral Power Distribution Comparison

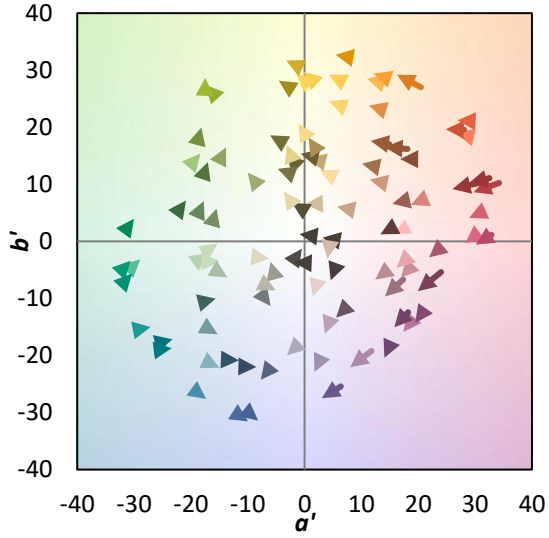


Color Vector Graphics









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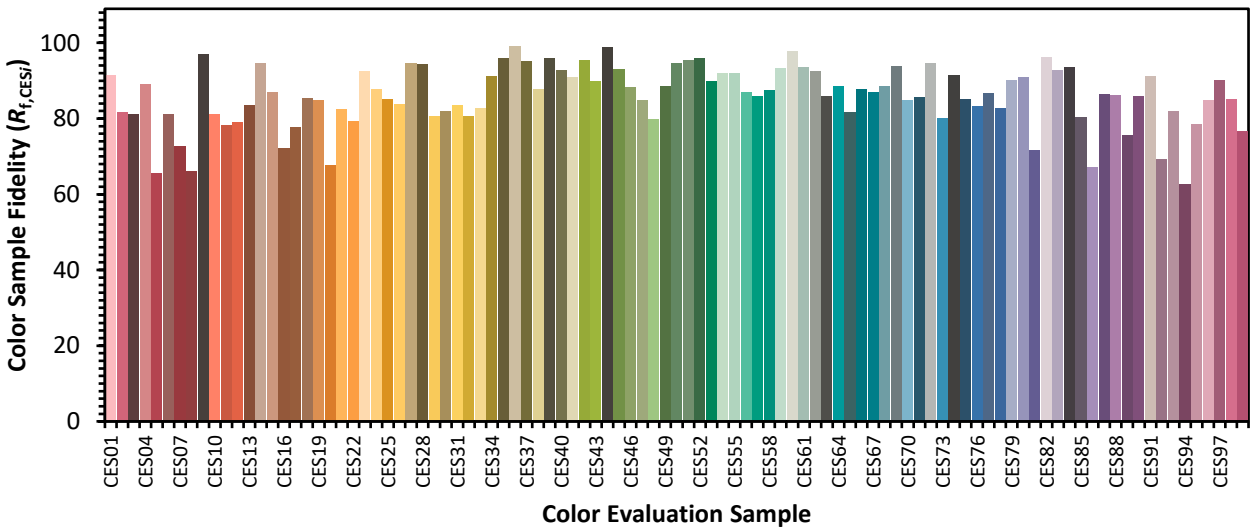
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 84	CES51 = 95	CES76 = 83
CES02 = 63	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 90	CES78 = 83
CES04 = 71	CES29 = 81	CES54 = 92	CES79 = 90
CES05 = 50	CES30 = 82	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 84	CES56 = 87	CES81 = 72
CES07 = 43	CES32 = 81	CES57 = 86	CES82 = 96
CES08 = 41	CES33 = 83	CES58 = 88	CES83 = 93
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 94
CES10 = 76	CES35 = 96	CES60 = 98	CES85 = 80
CES11 = 59	CES36 = 99	CES61 = 94	CES86 = 67
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 87
CES13 = 44	CES38 = 88	CES63 = 86	CES88 = 86
CES14 = 74	CES39 = 96	CES64 = 88	CES89 = 76
CES15 = 72	CES40 = 93	CES65 = 82	CES90 = 86
CES16 = 48	CES41 = 91	CES66 = 88	CES91 = 91
CES17 = 50	CES42 = 95	CES67 = 87	CES92 = 69
CES18 = 57	CES43 = 90	CES68 = 89	CES93 = 82
CES19 = 72	CES44 = 99	CES69 = 94	CES94 = 63
CES20 = 67	CES45 = 93	CES70 = 85	CES95 = 79
CES21 = 87	CES46 = 88	CES71 = 86	CES96 = 85
CES22 = 79	CES47 = 85	CES72 = 95	CES97 = 90
CES23 = 92	CES48 = 80	CES73 = 80	CES98 = 85
CES24 = 91	CES49 = 89	CES74 = 91	CES99 = 77
CES25 = 72	CES50 = 95	CES75 = 85	



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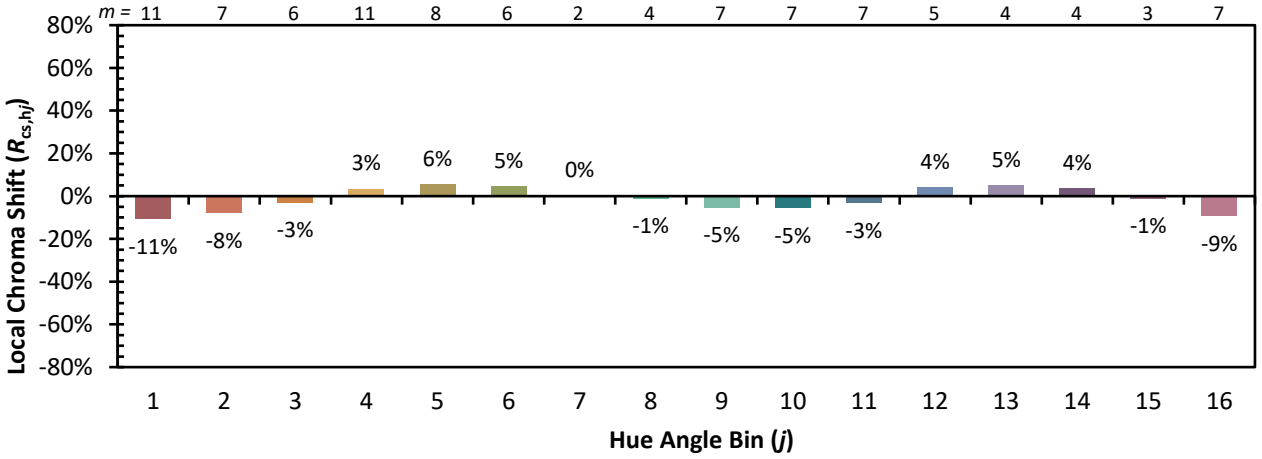
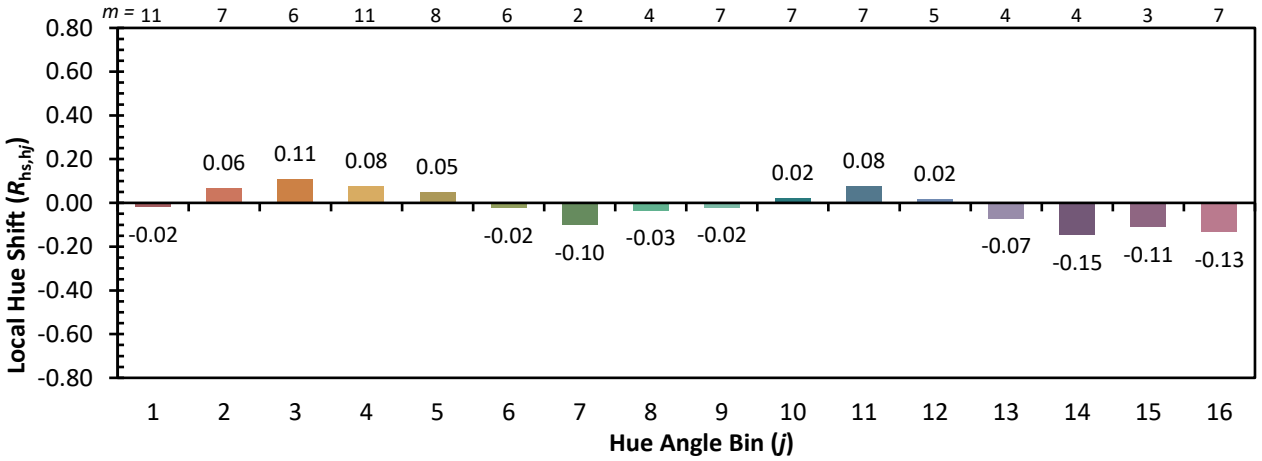
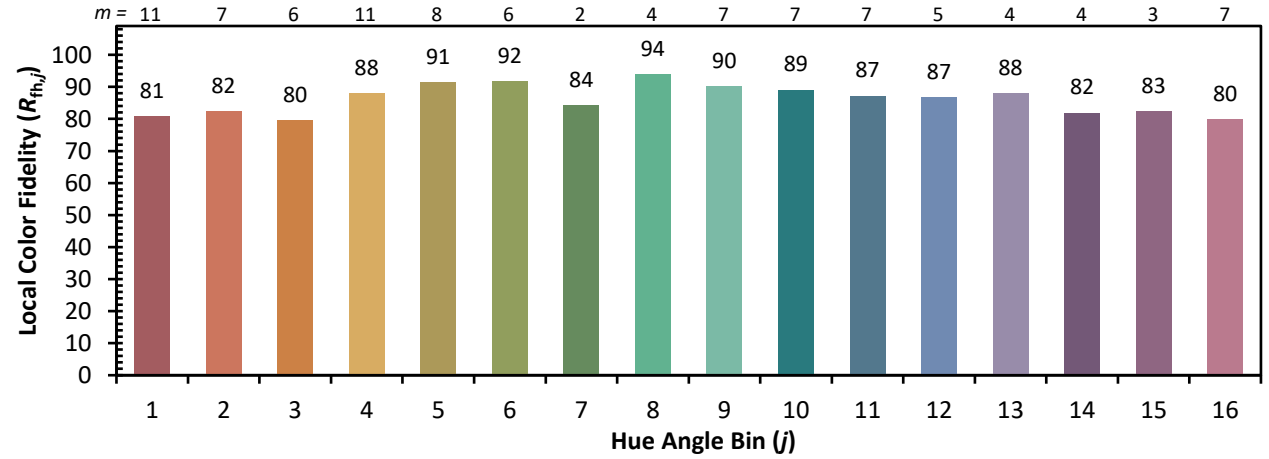
Color Rendition by Hue-Angle Bin







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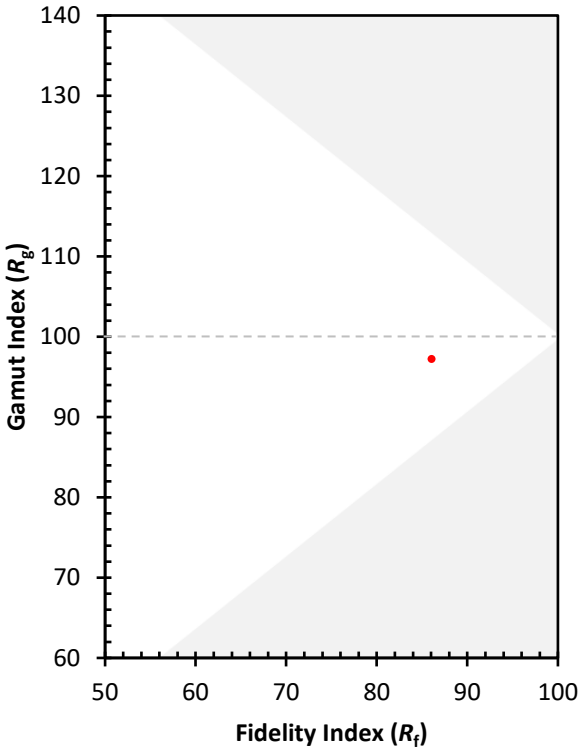
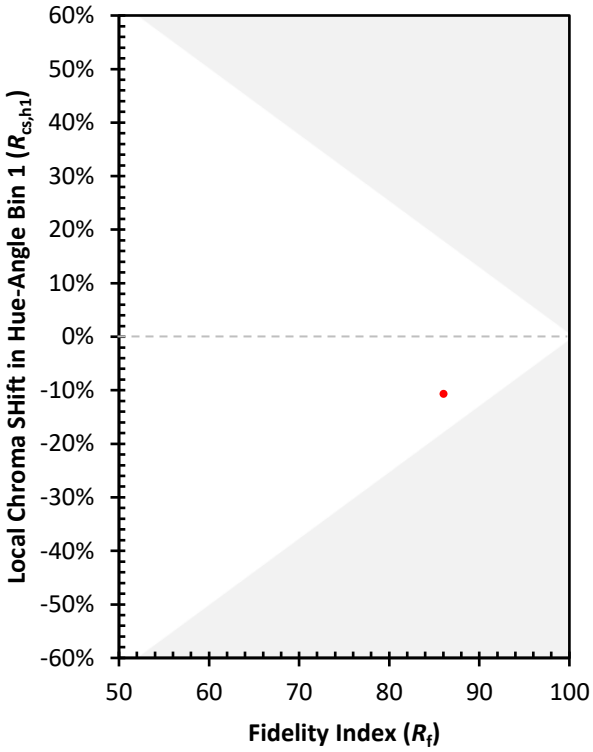
Measure Comparisons





(END OF REPORT)