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: P1442083

Luminaire Tested: ABW-C3-830-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:	P1442083
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2509-539-32)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	4/24/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	INVUE
Catalog Number:	ABW-C3-830-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:	904.7 lumens
Efficiency:	N/A
Efficacy:	38.2 lumens/watt
Luminous Opening:	Circular (Dia: 0.4' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	23.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.9878
Total Harmonic Distortion (THDi):	0.130909
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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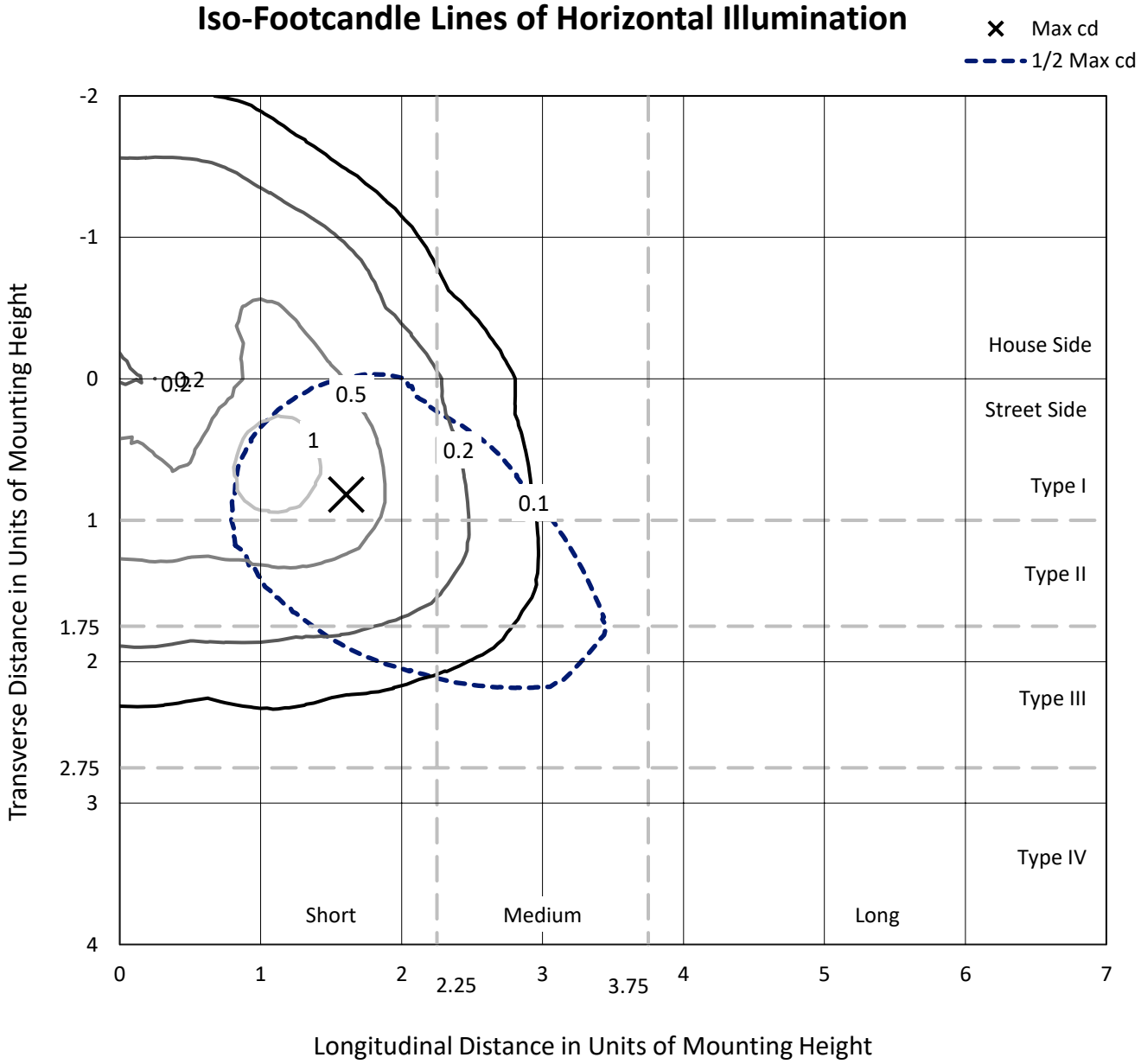
REPORT NUMBER: P1442083
CATALOG NUMBER: ABW-C3-830-X-U-A-GM

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 1.4 fc
Type III - Short - N/A

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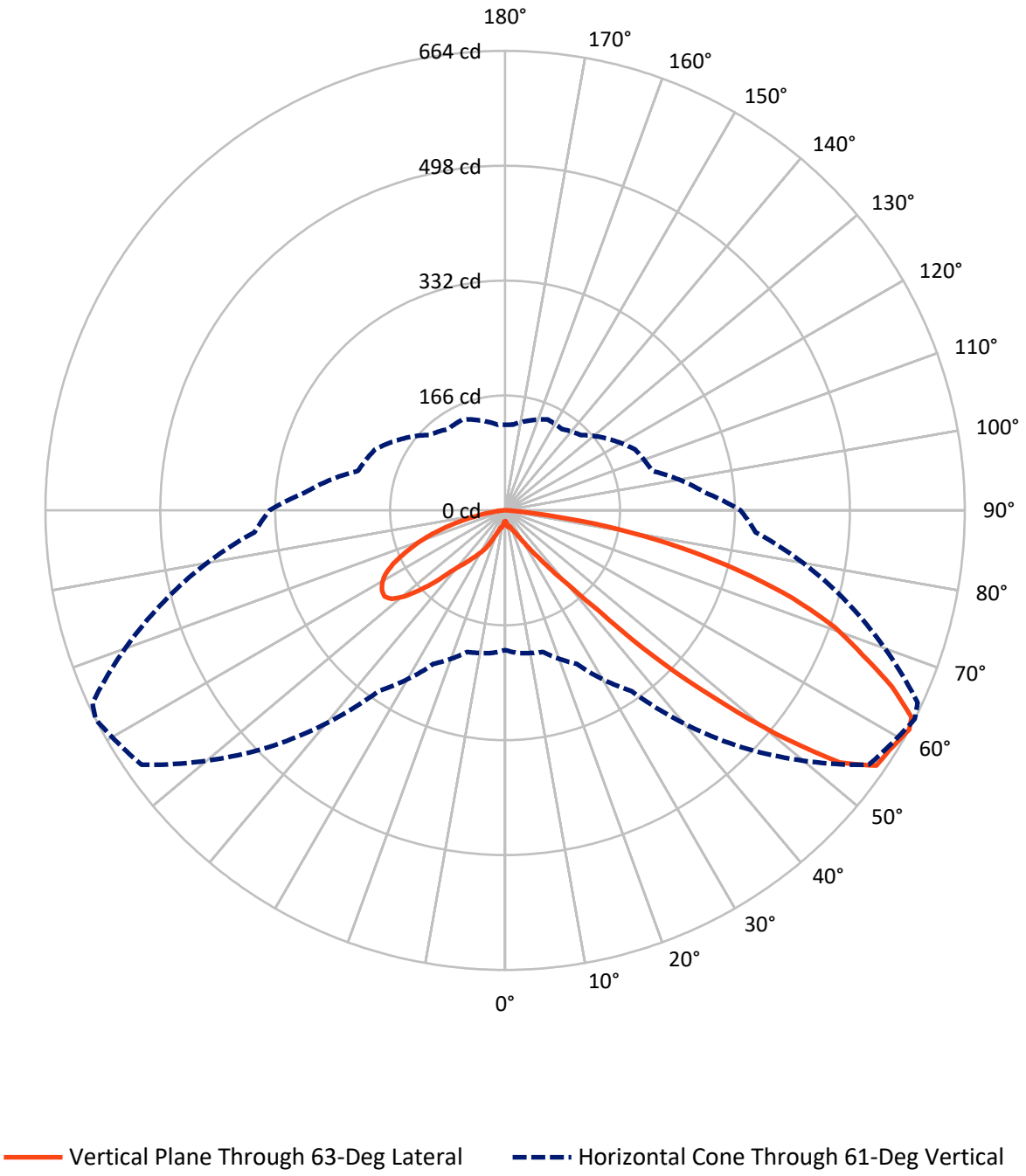
Luminous Intensity Polar Plot



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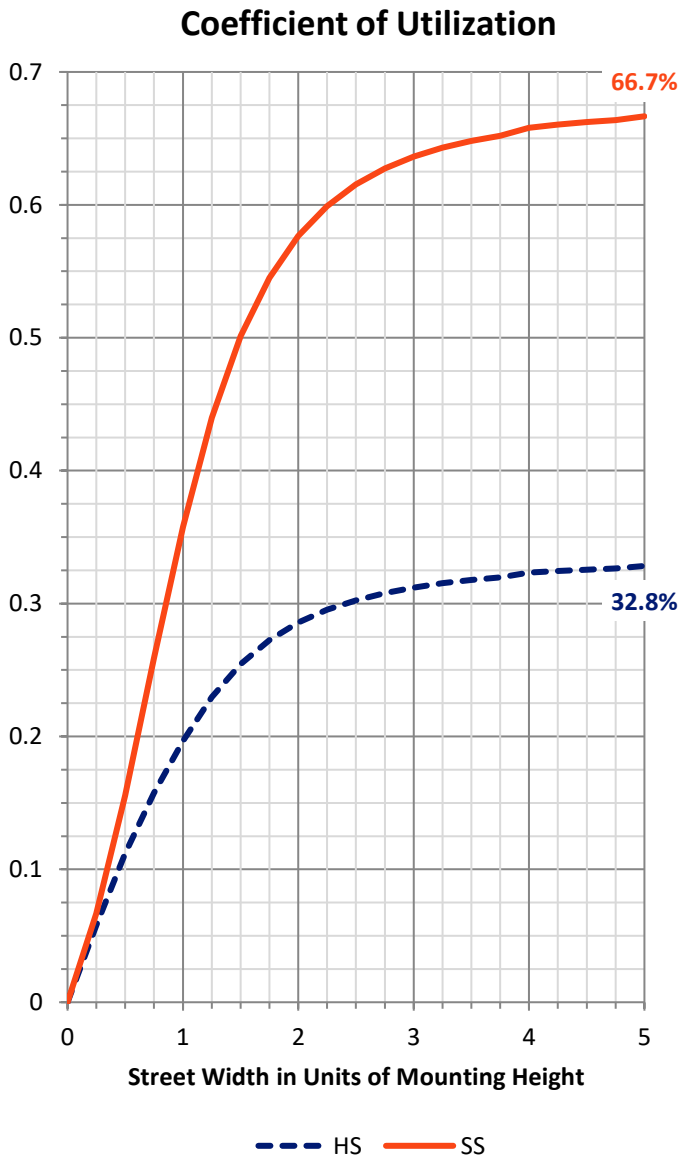
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	299.1	0.0	299.1
	% Fixture	33.1	0.0	33.1
Street Side	Lumens	605.6	0.0	605.6
	% Fixture	66.9	0.0	66.9
Total	Lumens	904.7	0.0	904.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.2
10°-20°	8.9	1.0
20°-30°	22.5	2.5
30°-40°	51.4	5.7
40°-50°	133.8	14.8
50°-60°	256.5	28.3
60°-70°	258.9	28.6
70°-80°	149.6	16.5
80°-90°	20.8	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°	904.7	100.0
0°-180°	904.7	100.0



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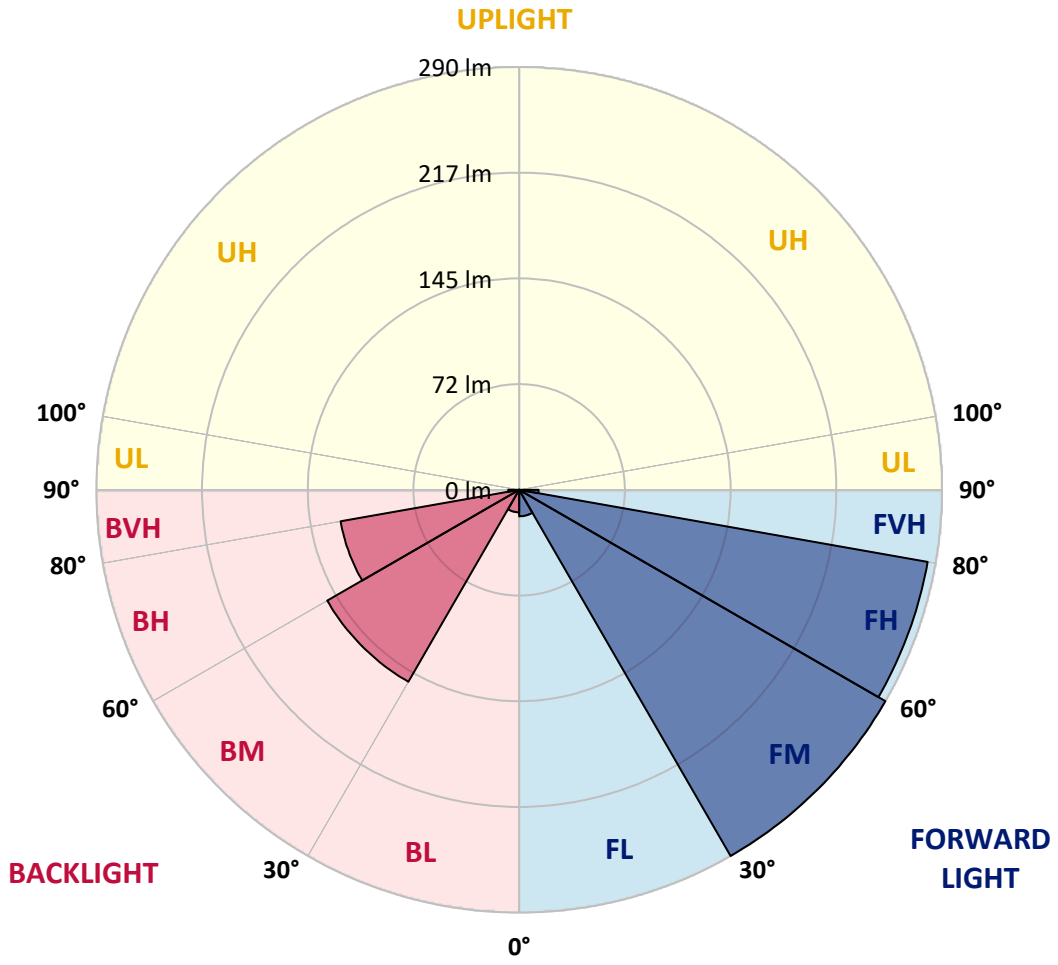
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	18.2	2.0			
FM	(30°-60°)	289.8	32.0			
FH	(60°-80°)	284.3	31.4			G0/660
FVH	(80°-90°)	13.3	1.5			G1/100
BL	(0°-30°)	15.4	1.7	B0/110		
BM	(30°-60°)	151.9	16.8	B0/220		
BH	(60°-80°)	124.3	13.7	B1/500		G1/500
BVH	(80°-90°)	7.5	0.8			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Short



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REPORT NUMBER: P1442083
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	*15.7*	15.7	15.7	15.7
2.5°	28.8	27.2	25.5	24.7	22.2	21.4	20.6	*19.0*	19.0	17.3	16.5
5°	35.4	33.8	29.7	25.5	23.9	20.6	17.3	*16.5*	16.5	16.5	14.8
7.5°	38.7	35.4	34.6	28.8	28.0	28.0	27.2	*23.1*	22.2	20.6	20.6
10°	37.9	37.9	37.9	33.0	32.1	30.5	27.2	*24.7*	24.7	22.2	23.1
12.5°	34.6	34.6	38.7	37.1	31.3	30.5	27.2	*22.2*	22.2	21.4	20.6
15°	35.4	37.1	42.8	42.0	38.7	33.0	28.0	*25.5*	24.7	23.1	22.2
17.5°	44.5	43.7	43.7	44.5	43.7	36.3	29.7	*25.5*	26.4	24.7	24.7
20°	50.3	50.3	50.3	49.4	47.8	38.7	32.1	*29.7*	28.8	28.0	27.2
22.5°	60.2	59.3	61.8	57.7	52.7	42.0	36.3	*33.0*	33.8	32.1	29.7
25°	75.0	77.5	68.4	60.2	55.2	45.3	39.6	*37.1*	37.9	38.7	34.6
27.5°	90.6	89.8	75.8	67.6	61.0	51.1	47.0	*44.5*	46.1	46.1	42.8
30°	98.9	102.2	88.2	76.6	67.6	60.2	55.2	*54.4*	56.9	56.9	51.1
32.5°	109.6	111.2	97.2	84.0	75.8	70.9	70.0	*67.6*	70.0	66.7	61.0
35°	121.1	122.0	110.4	92.3	86.5	85.7	88.2	*84.9*	88.2	79.9	72.5
37.5°	129.4	131.0	121.1	103.0	98.1	100.5	110.4	*109.6*	113.7	101.4	86.5
40°	136.8	140.9	131.8	115.4	112.9	121.1	141.7	*143.4*	150.0	131.0	103.8
42.5°	147.5	151.6	145.8	130.2	133.5	151.6	193.6	*197.8*	212.6	177.2	135.1
45°	170.6	173.9	173.9	160.7	171.4	212.6	295.0	*301.6*	318.9	248.8	183.8
47.5°	186.2	186.2	192.0	183.8	206.8	278.5	390.6	*399.6*	414.5	323.0	234.8
50°	206.8	206.8	219.2	218.4	256.3	367.5	489.5	*508.4*	519.9	406.2	292.5
52.5°	213.4	217.5	232.4	239.8	295.0	427.7	582.6	*605.6*	612.2	468.9	333.7
55°	217.5	222.5	234.8	246.4	316.4	472.2	637.0	*651.0*	645.2	509.2	353.5
57.5°	217.5	220.8	230.7	245.6	318.9	488.6	638.6	*654.3*	647.7	522.4	362.6
60°	209.3	211.8	217.5	244.7	319.7	487.0	637.8	*660.8*	655.1	518.3	365.9
61°	*201.9*	*206.8*	*211.8*	*244.7*	*318.9*	*484.5*	*641.1*	*664.1*	*657.6*	*510.9*	*363.4*
62.5°	192.8	198.6	201.9	243.9	312.3	474.6	637.8	*659.2*	646.8	497.7	353.5
65°	175.5	178.8	179.6	235.7	292.5	440.8	600.7	*613.9*	595.8	462.3	327.1
67.5°	150.8	154.1	156.6	220.8	270.3	399.6	547.1	*557.0*	542.2	416.1	300.8
70°	124.4	128.5	134.3	201.9	243.9	351.8	490.3	*505.1*	489.5	363.4	271.9
72.5°	95.6	101.4	111.2	173.0	210.1	298.3	419.4	*435.1*	416.9	302.4	231.5
75°	69.2	75.0	88.2	140.1	170.6	237.3	336.2	*351.0*	330.4	237.3	187.0
77.5°	45.3	49.4	62.6	100.5	124.4	173.0	253.0	*259.6*	239.0	163.2	135.1
80°	27.2	30.5	39.6	60.2	73.3	109.6	162.3	*166.4*	145.8	92.3	80.8
82.5°	17.3	18.1	20.6	24.7	24.7	51.1	71.7	*72.5*	54.4	28.0	32.1
85°	10.7	11.5	9.9	8.2	9.1	10.7	10.7	*11.5*	9.9	8.2	8.2
87.5°	8.2	8.2	7.4	6.6	6.6	6.6	8.2	*8.2*	8.2	6.6	6.6
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: P1442083
CATALOG NUMBER: ABW-C3-830-X-U-A-GM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
2.5°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	16.5	16.5	17.3	17.3
5°	14.0	14.8	16.5	16.5	17.3	17.3	18.1	18.1	16.5	15.7	15.7
7.5°	20.6	21.4	20.6	21.4	21.4	19.8	19.8	20.6	21.4	19.8	19.0
10°	22.2	21.4	21.4	23.1	27.2	23.9	25.5	25.5	24.7	22.2	21.4
12.5°	21.4	22.2	23.1	24.7	26.4	31.3	28.8	28.8	27.2	24.7	23.9
15°	22.2	23.9	24.7	25.5	29.7	34.6	33.0	31.3	29.7	24.7	24.7
17.5°	25.5	26.4	28.0	28.8	33.8	37.9	37.9	33.0	30.5	26.4	25.5
20°	27.2	28.0	32.1	33.8	38.7	40.4	43.7	37.9	33.8	29.7	28.8
22.5°	29.7	30.5	35.4	41.2	44.5	45.3	47.0	40.4	34.6	32.1	30.5
25°	35.4	35.4	40.4	50.3	52.7	48.6	49.4	43.7	36.3	32.1	31.3
27.5°	42.8	44.5	49.4	61.8	57.7	53.6	53.6	47.0	37.9	33.8	33.0
30°	53.6	51.9	58.5	69.2	65.1	60.2	58.5	50.3	40.4	35.4	34.6
32.5°	64.3	63.4	68.4	76.6	74.2	65.9	62.6	54.4	42.8	37.1	35.4
35°	75.0	75.8	79.1	85.7	81.6	70.9	68.4	58.5	46.1	39.6	38.7
37.5°	89.0	89.8	89.0	96.4	89.8	78.3	75.0	63.4	51.1	46.1	43.7
40°	104.6	106.3	103.8	107.1	98.9	87.3	83.2	70.9	60.2	54.4	53.6
42.5°	131.8	132.7	125.2	123.6	112.9	100.5	98.1	84.0	74.2	68.4	65.9
45°	171.4	167.3	154.9	149.1	134.3	117.0	114.5	101.4	89.8	84.9	83.2
47.5°	213.4	207.6	185.4	173.0	153.3	136.0	131.0	121.1	107.9	101.4	99.7
50°	264.5	243.1	215.1	196.1	172.2	154.9	145.8	137.6	122.8	115.4	112.9
52.5°	303.2	267.8	231.5	213.4	185.4	163.2	153.3	148.3	133.5	124.4	122.0
55°	319.7	281.8	238.1	220.0	190.3	165.6	154.1	151.6	137.6	127.7	126.1
57.5°	328.0	287.6	234.0	218.4	187.0	162.3	150.0	149.1	137.6	127.7	127.7
60°	339.5	291.7	225.0	211.8	182.9	157.4	145.8	146.7	135.1	126.1	125.2
61°	*340.3*	*290.9*	*220.0*	*207.6*	*180.5*	*154.1*	*143.4*	*145.0*	*134.3*	*124.4*	*123.6*
62.5°	337.8	286.8	212.6	201.1	173.9	148.3	139.3	141.7	130.2	121.1	120.3
65°	320.5	272.7	196.1	183.8	157.4	136.0	128.5	132.7	122.8	112.9	112.9
67.5°	299.9	254.6	177.2	161.5	140.1	122.0	117.0	119.5	112.1	103.0	103.0
70°	269.4	229.1	156.6	138.4	121.1	106.3	103.0	107.1	100.5	91.5	91.5
72.5°	229.1	195.3	134.3	113.7	98.9	89.8	88.2	92.3	85.7	78.3	79.1
75°	182.1	154.9	106.3	86.5	75.8	72.5	71.7	74.2	70.0	64.3	64.3
77.5°	130.2	109.6	75.0	60.2	54.4	55.2	52.7	54.4	52.7	47.8	48.6
80°	75.8	61.0	42.8	36.3	34.6	36.3	34.6	35.4	35.4	32.1	33.0
82.5°	28.8	21.4	19.0	19.8	19.0	19.8	16.5	17.3	18.1	19.0	19.0
85°	8.2	8.2	9.1	9.9	9.9	9.1	8.2	8.2	9.1	10.7	10.7
87.5°	6.6	5.8	6.6	7.4	7.4	7.4	6.6	6.6	7.4	8.2	9.1
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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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

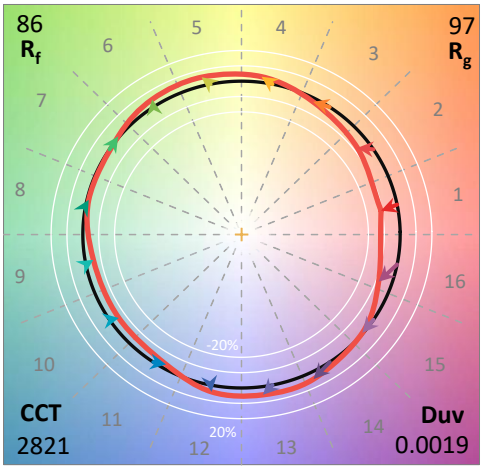
Test Information

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

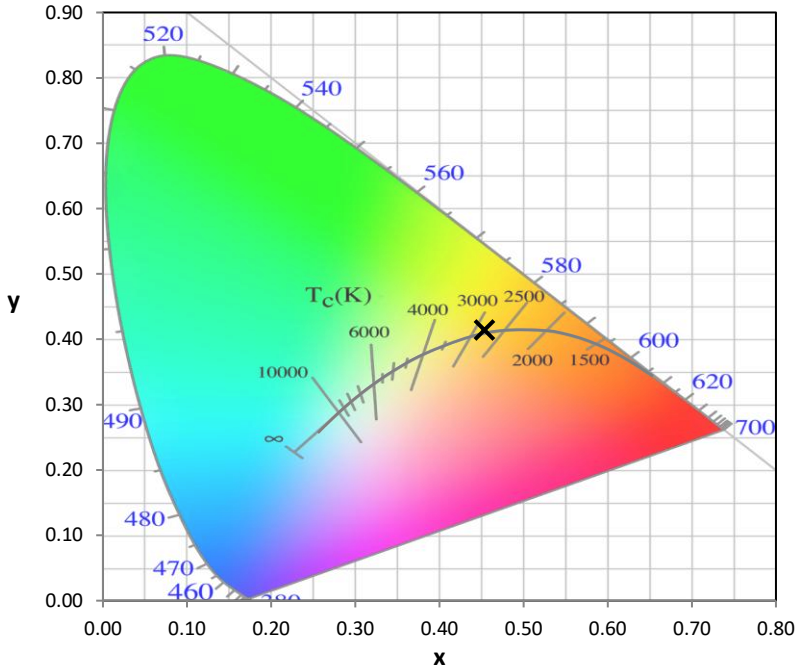
Stabilization Time:	28M
Operation Time:	1H 28M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-5

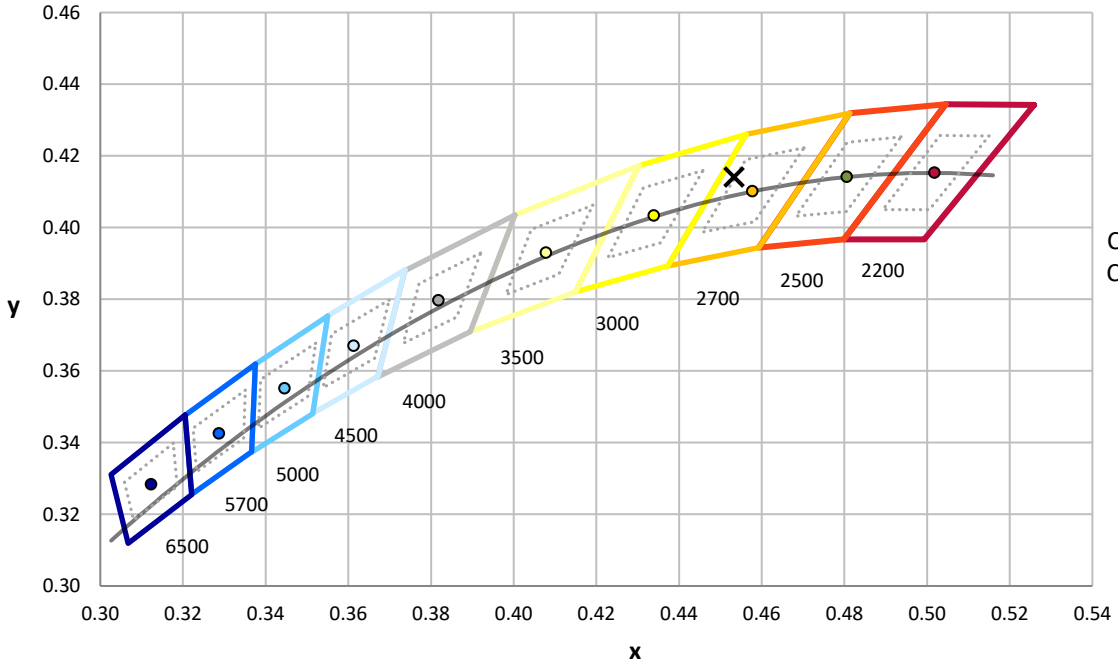
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

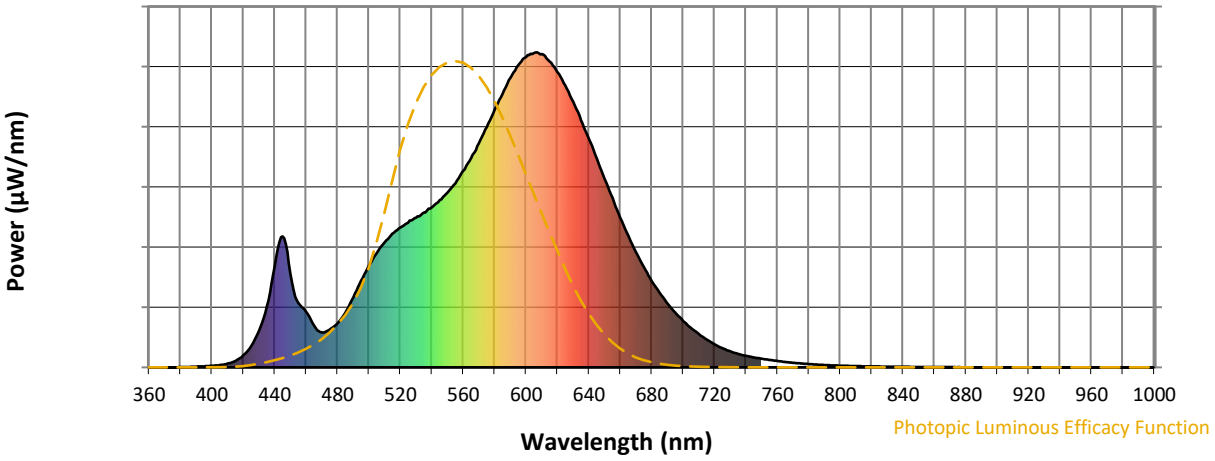


CCT = 2821K
CIE x = 0.4533
CIE y = 0.4141
Duv = 0.0019

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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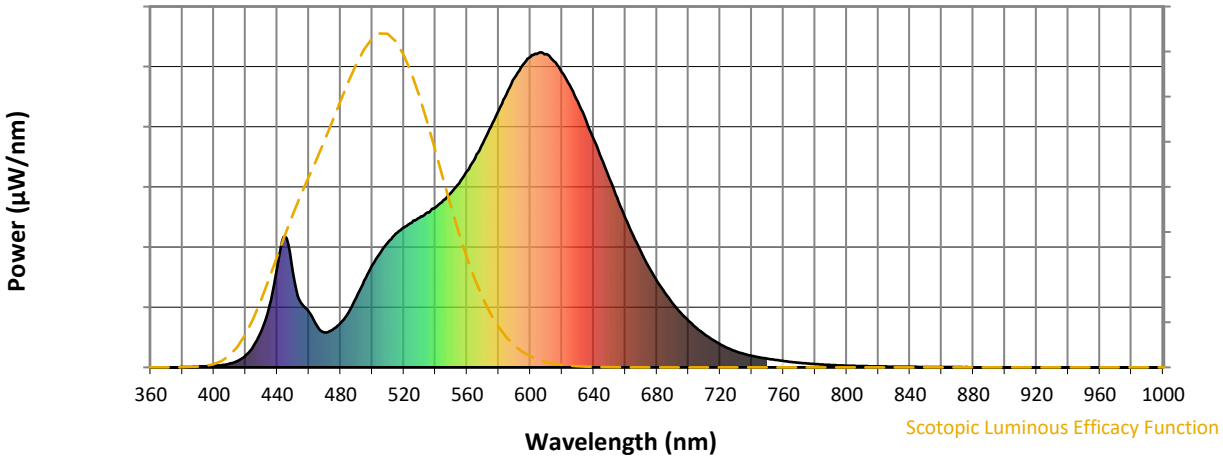
Scotopic Flux vs. Wavelength



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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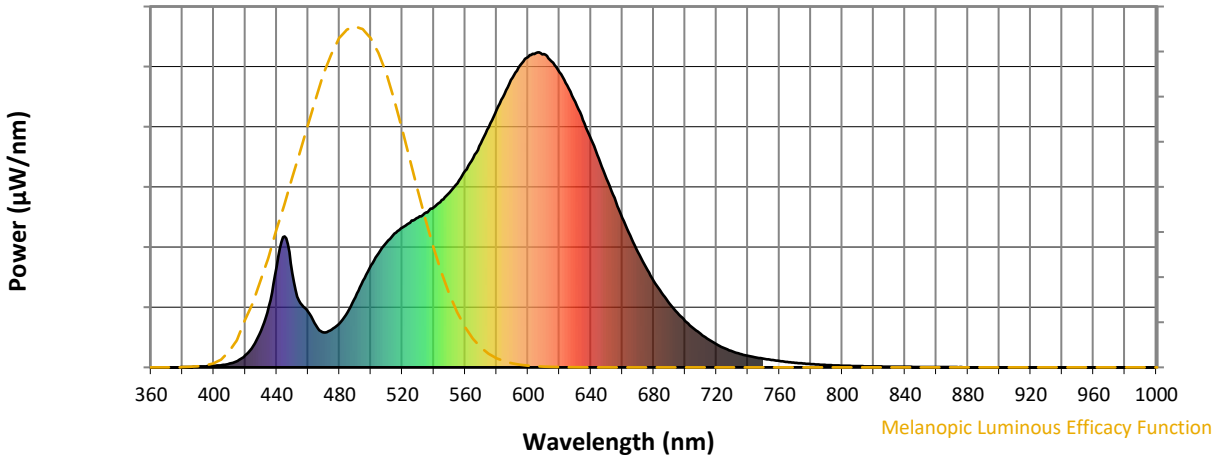
Melanopic Flux vs. Wavelength



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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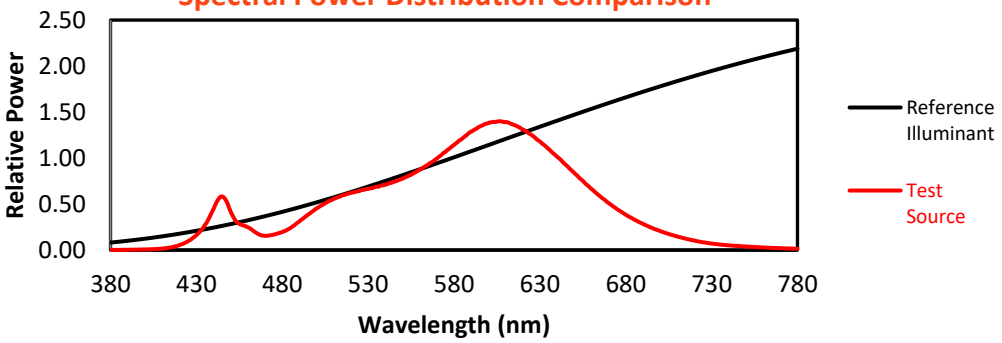
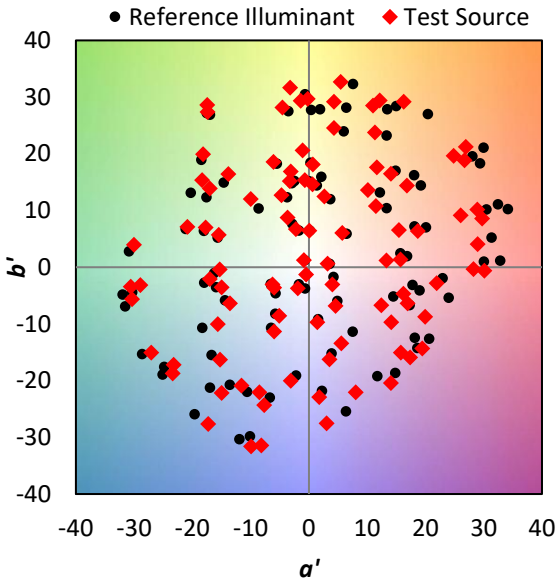
Summary

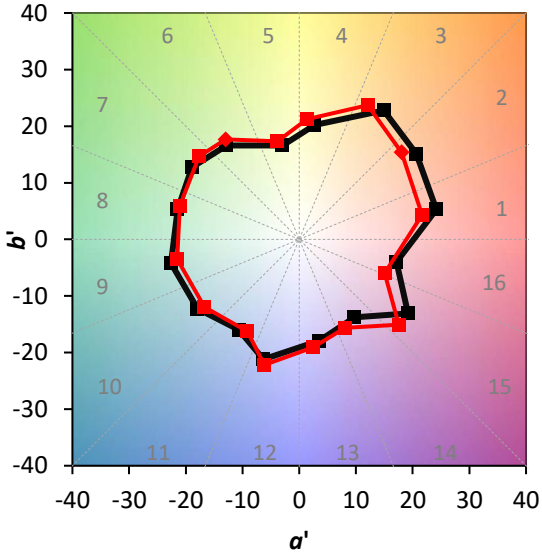
R_f = 86.1
R_g = 97.2
CIE R_a = 83.8
R_9 = 8.2

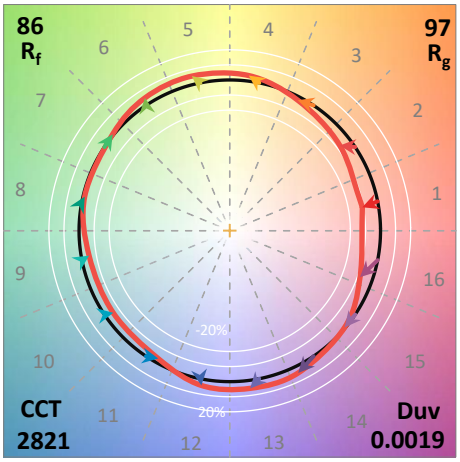
Spectral Power Distribution Comparison

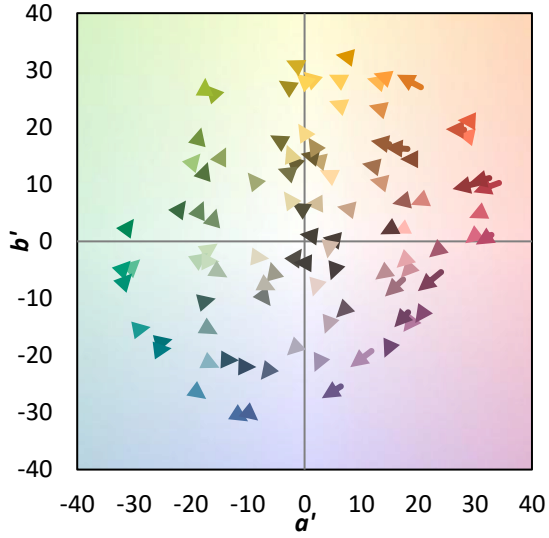


Color Vector Graphics









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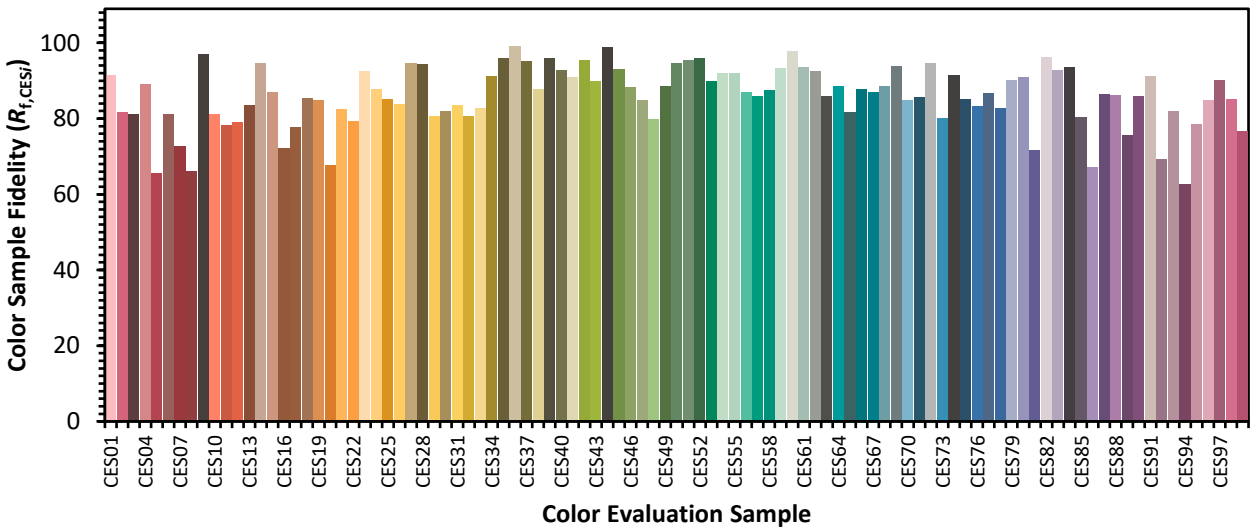
Individual Sample Fidelity Index ($R_{f,i}$)

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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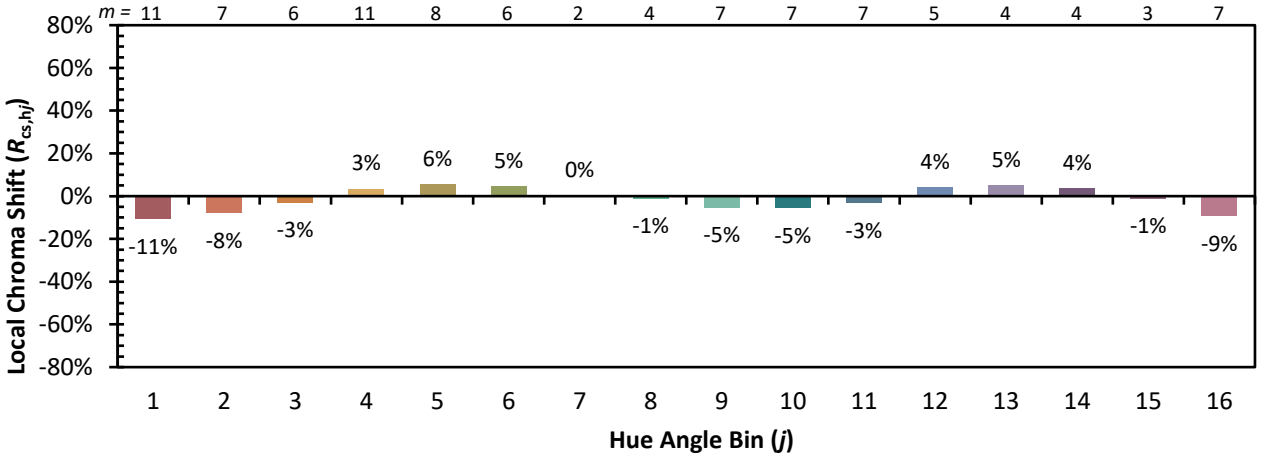
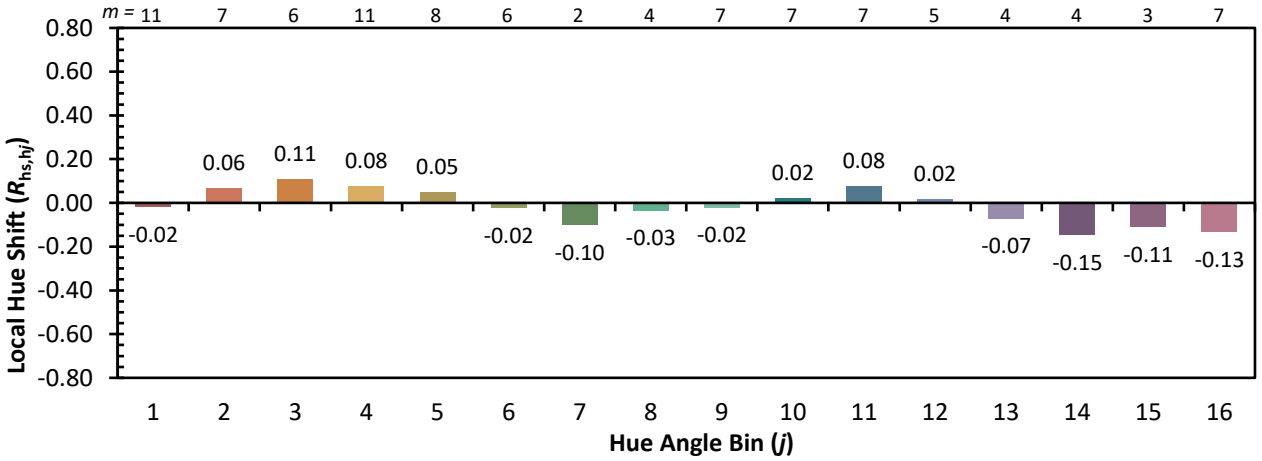
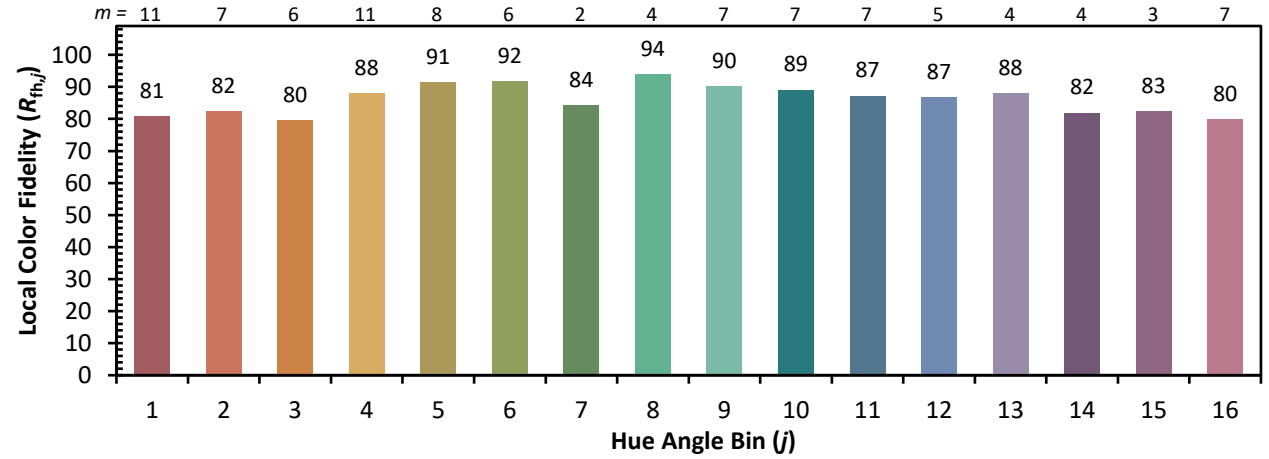
Color Rendition by Hue-Angle Bin







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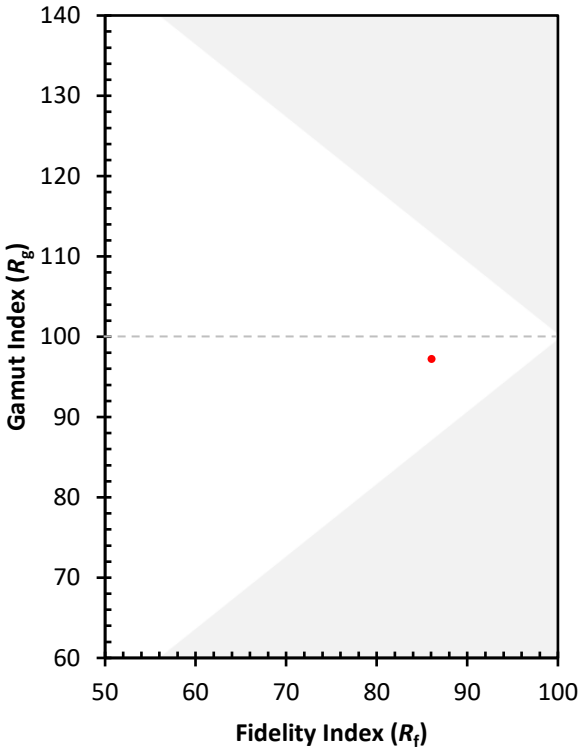
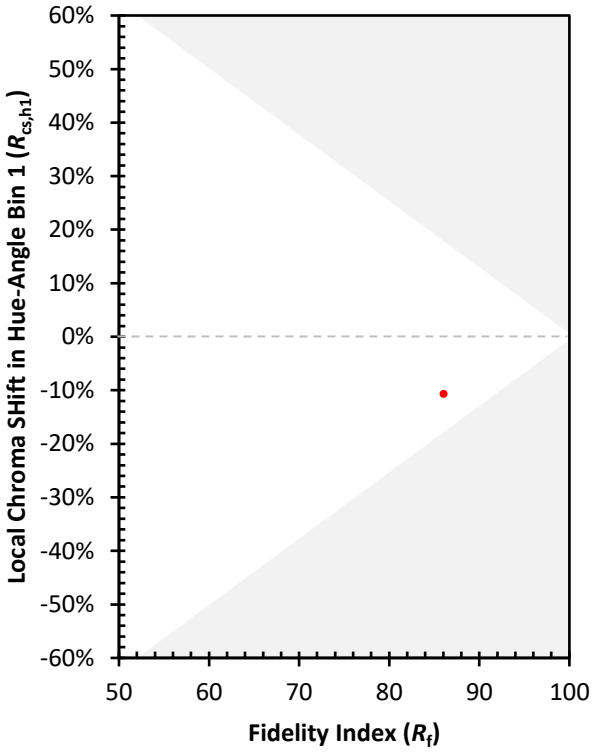
Measure Comparisons





(END OF REPORT)