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: P1442039

Luminaire Tested: ABB-C2-840-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:	P1442039
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2509-539-33)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	4/24/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	INVUE
Catalog Number:	ABB-C2-840-X-U-A-GM
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:	831.9 lumens
Efficiency:	N/A
Efficacy:	43.8 lumens/watt
Luminous Opening:	Circular (Dia: 0.4' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	19
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.9905
Total Harmonic Distortion (THDi):	0.0849899
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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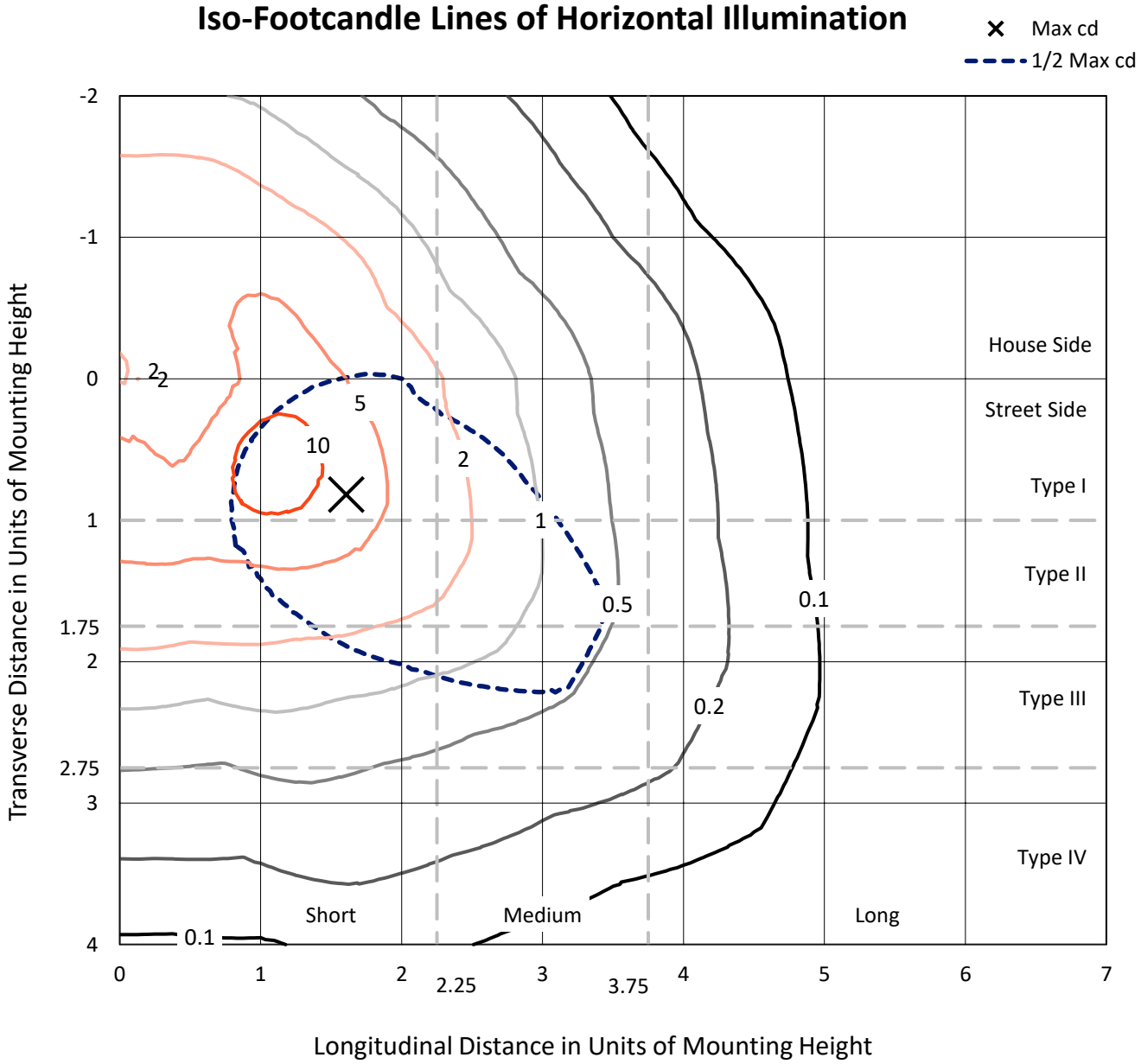
REPORT NUMBER: P1442039
CATALOG NUMBER: ABB-C2-840-X-U-A-GM

Iso-Footcandle Lines of Horizontal Illumination



Based on 3 foot mounting height. Maximum calculated value = 13.8 fc
Type III - Short - N/A

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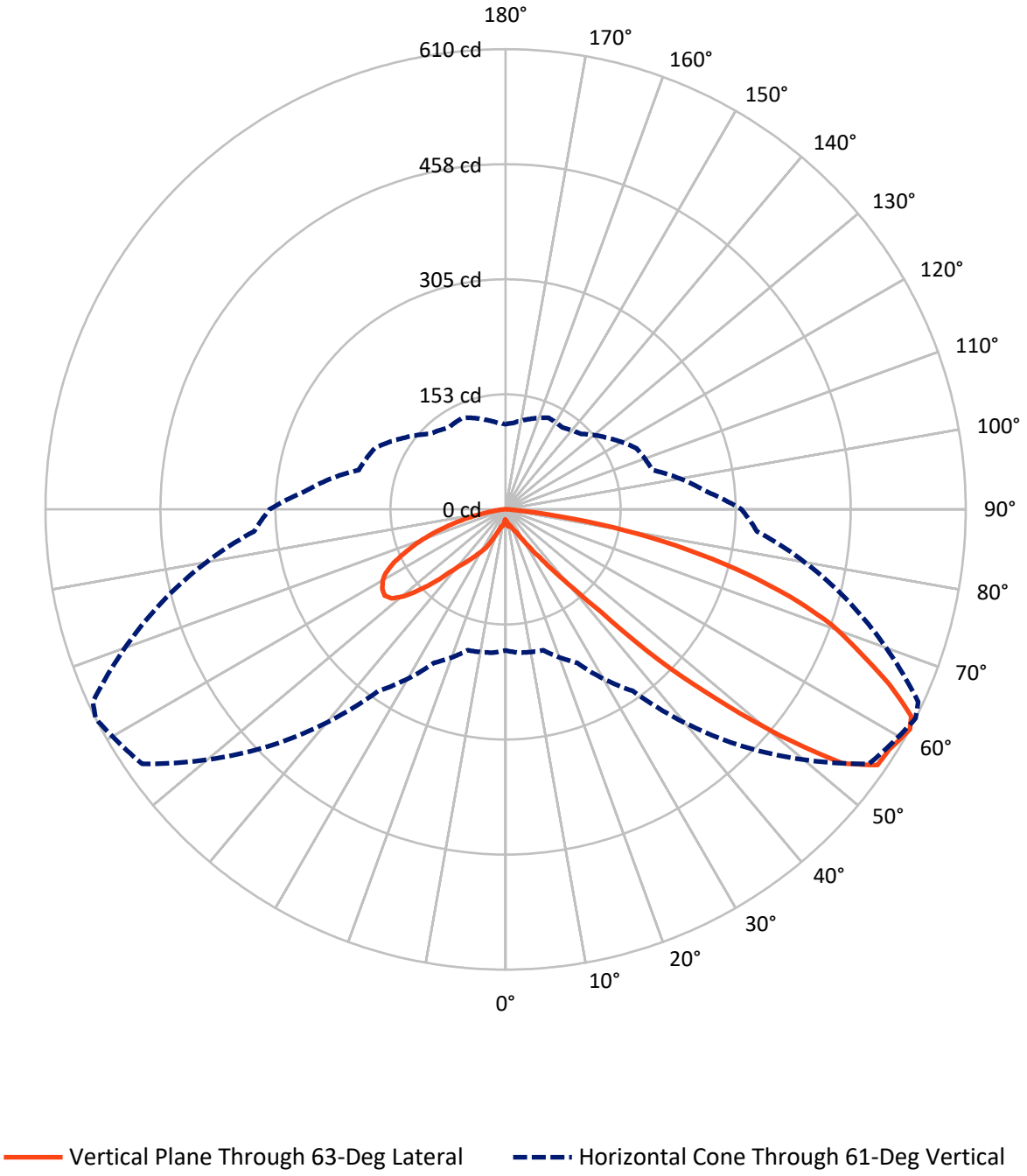
Luminous Intensity Polar Plot



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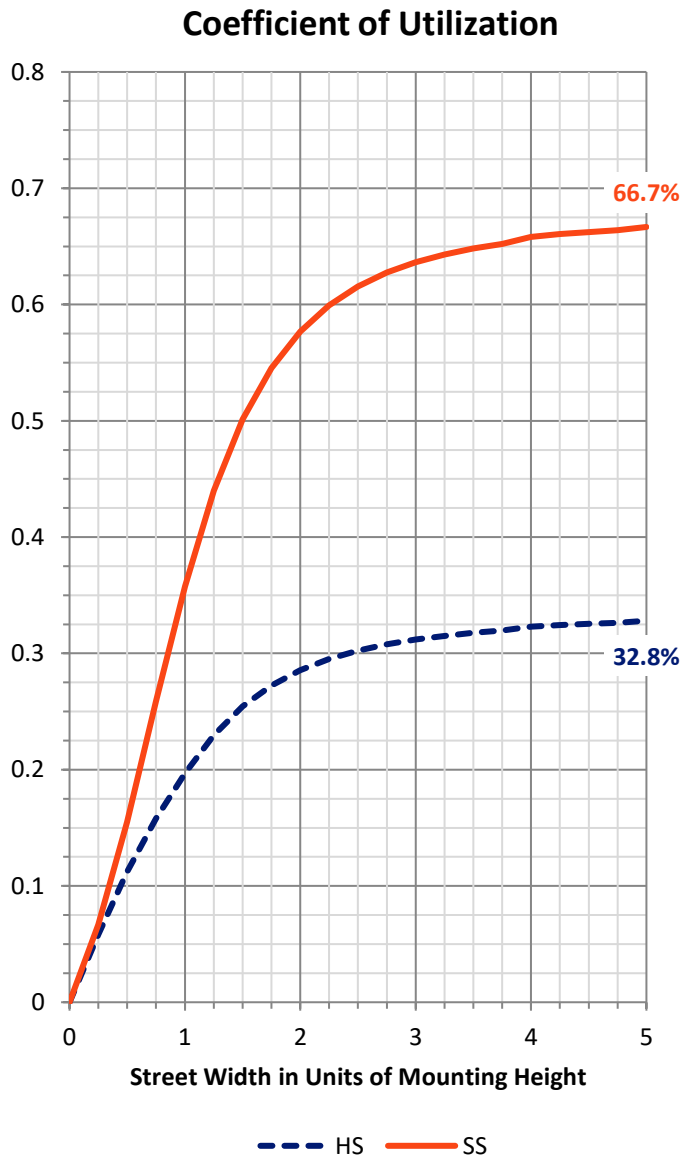
REPORT NUMBER: P1442039
CATALOG NUMBER: ABB-C2-840-X-U-A-GM

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	274.9	0.0	274.9
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	557.0	0.0	557.0
	% Fixture	67.0	0.0	67.0
Total	Lumens	831.9	0.0	831.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.2
10°-20°	8.2	1.0
20°-30°	20.7	2.5
30°-40°	47.3	5.7
40°-50°	123.2	14.8
50°-60°	235.7	28.3
60°-70°	238.0	28.6
70°-80°	137.6	16.5
80°-90°	19.2	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°	831.9	100.0
0°-180°	831.9	100.0



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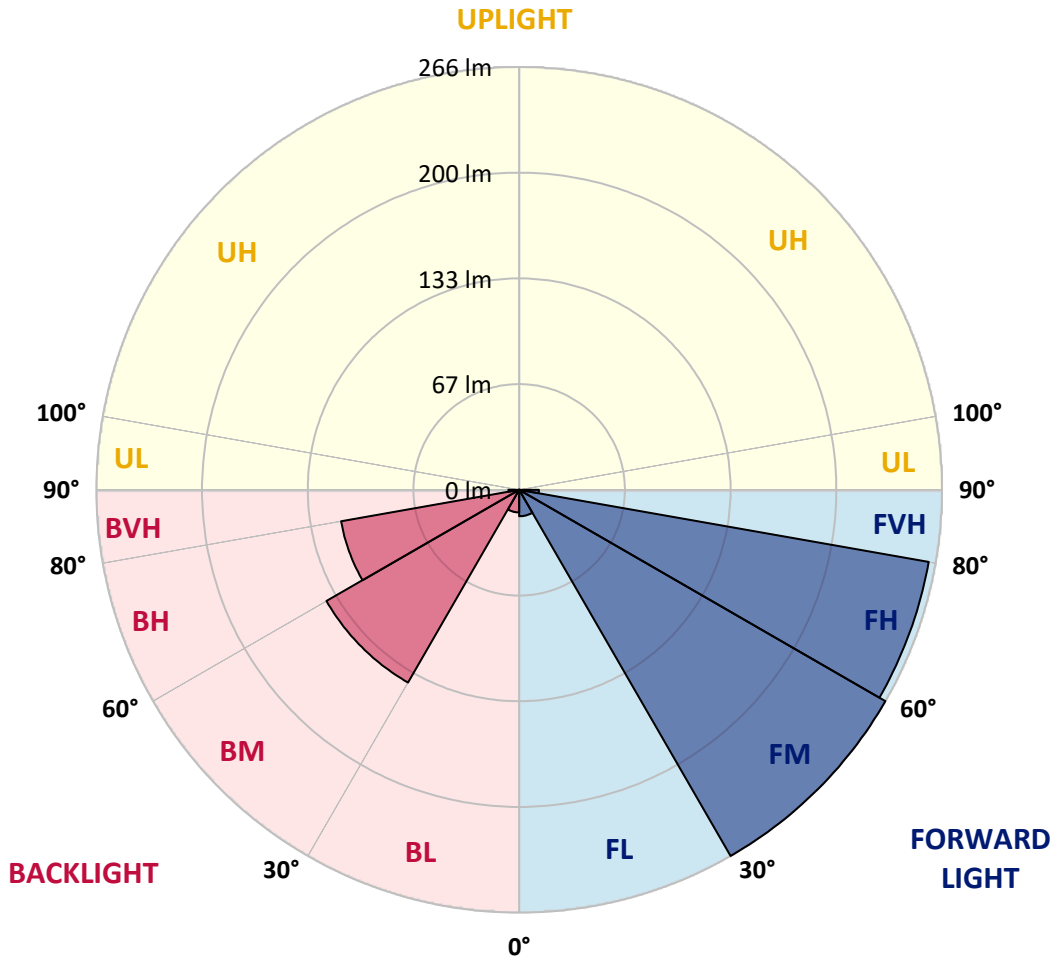
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	16.7	2.0			
FM	(30°-60°)	266.2	32.0			
FH	(60°-80°)	261.8	31.5			G0/660
FVH	(80°-90°)	12.4	1.5			G1/100
BL	(0°-30°)	14.2	1.7	B0/110		
BM	(30°-60°)	140.1	16.8	B0/220		
BH	(60°-80°)	113.8	13.7	B1/500		G1/500
BVH	(80°-90°)	6.8	0.8			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Short



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REPORT NUMBER: P1442039
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	*14.6*	14.6	14.6	14.6
2.5°	25.5	25.5	23.7	22.8	21.0	19.2	18.2	*17.3*	17.3	15.5	14.6
5°	31.9	31.0	27.4	22.8	22.8	19.2	16.4	*15.5*	15.5	14.6	13.7
7.5°	36.5	32.8	31.9	27.4	25.5	25.5	25.5	*21.9*	21.0	18.2	19.2
10°	34.7	34.7	34.7	30.1	29.2	28.3	25.5	*22.8*	22.8	21.0	21.0
12.5°	31.9	31.0	35.6	33.7	29.2	28.3	24.6	*20.1*	20.1	19.2	19.2
15°	32.8	34.7	39.2	38.3	35.6	30.1	26.4	*23.7*	22.8	21.9	20.1
17.5°	40.1	40.1	40.1	41.0	40.1	33.7	27.4	*23.7*	23.7	22.8	22.8
20°	46.5	46.5	45.6	44.7	44.7	35.6	30.1	*27.4*	27.4	25.5	24.6
22.5°	56.5	54.7	56.5	52.0	48.3	39.2	32.8	*31.0*	31.0	29.2	28.3
25°	69.3	71.1	62.9	54.7	51.1	42.0	35.6	*33.7*	34.7	34.7	32.8
27.5°	83.9	83.0	69.3	61.1	55.6	47.4	42.0	*41.0*	41.0	41.0	41.0
30°	91.2	93.9	80.3	69.3	62.0	55.6	50.2	*50.2*	51.1	50.2	49.2
32.5°	101.2	102.1	89.4	76.6	69.3	66.6	63.8	*62.9*	62.0	60.2	56.5
35°	111.3	112.2	101.2	83.9	79.3	80.3	80.3	*78.4*	78.4	72.0	68.4
37.5°	119.5	121.3	111.3	93.9	90.3	94.8	100.3	*103.1*	100.3	91.2	82.1
40°	126.8	130.4	121.3	104.9	103.1	115.8	128.6	*135.0*	132.2	116.7	97.6
42.5°	135.9	140.4	133.2	118.6	121.3	145.0	175.1	*186.0*	187.9	158.7	127.7
45°	156.9	159.6	159.6	145.0	154.1	205.2	265.4	*285.5*	281.8	227.1	173.3
47.5°	170.5	171.5	177.8	165.1	185.1	268.1	354.8	*373.0*	373.0	297.3	219.8
50°	189.7	190.6	202.5	197.0	230.7	346.6	445.1	*470.6*	472.4	372.1	270.9
52.5°	197.0	200.6	214.3	218.9	268.1	397.6	530.8	*559.1*	562.7	430.5	308.3
55°	199.7	205.2	216.1	227.1	289.1	435.9	584.6	*598.3*	592.8	467.9	324.7
57.5°	198.8	202.5	210.7	225.3	292.8	448.7	586.4	*600.1*	594.6	478.8	332.0
60°	191.5	195.2	199.7	225.3	294.6	447.8	585.5	*607.4*	601.9	477.0	336.5
61°	*187.0*	*190.6*	*193.3*	*224.4*	*293.7*	*444.1*	*588.2*	*610.1*	*603.7*	*470.6*	*334.7*
62.5°	178.8	182.4	184.2	224.4	288.2	432.3	586.4	*603.7*	597.4	458.7	324.7
65°	162.3	164.2	163.2	217.1	270.0	399.5	554.5	*559.1*	552.7	428.6	301.0
67.5°	140.4	141.4	142.3	204.3	249.9	361.2	505.2	*507.1*	503.4	386.7	277.2
70°	115.8	115.8	121.3	187.9	226.2	316.5	456.0	*459.6*	456.0	339.3	250.8
72.5°	90.3	91.2	100.3	162.3	195.2	267.2	394.0	*394.0*	391.2	284.5	213.4
75°	65.7	66.6	78.4	132.2	158.7	209.8	317.4	*315.6*	312.8	221.6	172.4
77.5°	45.6	44.7	55.6	96.7	116.7	150.5	237.1	*230.7*	228.9	156.9	124.9
80°	27.4	27.4	33.7	59.3	69.3	92.1	154.1	*144.1*	142.3	91.2	74.8
82.5°	17.3	16.4	17.3	25.5	24.6	39.2	71.1	*58.4*	58.4	31.0	28.3
85°	10.9	10.0	8.2	8.2	8.2	8.2	10.9	*10.0*	10.0	8.2	7.3
87.5°	8.2	8.2	7.3	6.4	6.4	6.4	7.3	*7.3*	7.3	6.4	5.5
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: P1442039
CATALOG NUMBER: ABB-C2-840-X-U-A-GM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
2.5°	14.6	14.6	13.7	13.7	13.7	14.6	14.6	15.5	15.5	15.5	16.4
5°	13.7	13.7	15.5	15.5	16.4	16.4	16.4	17.3	15.5	14.6	14.6
7.5°	19.2	20.1	19.2	21.0	20.1	19.2	19.2	19.2	20.1	18.2	16.4
10°	21.0	20.1	20.1	21.0	24.6	22.8	23.7	22.8	22.8	21.0	19.2
12.5°	19.2	20.1	21.0	21.9	23.7	28.3	26.4	26.4	25.5	22.8	21.9
15°	21.0	21.9	22.8	23.7	27.4	31.0	30.1	29.2	27.4	22.8	22.8
17.5°	23.7	23.7	25.5	26.4	31.0	34.7	34.7	31.0	28.3	24.6	23.7
20°	25.5	25.5	29.2	31.9	36.5	37.4	39.2	35.6	31.0	27.4	27.4
22.5°	27.4	27.4	32.8	38.3	41.0	41.0	43.8	37.4	32.8	29.2	28.3
25°	32.8	32.8	37.4	46.5	48.3	44.7	45.6	40.1	33.7	30.1	29.2
27.5°	39.2	41.0	46.5	57.5	53.8	49.2	48.3	42.9	34.7	31.9	31.0
30°	49.2	47.4	53.8	63.8	61.1	54.7	52.9	46.5	37.4	32.8	31.9
32.5°	59.3	58.4	63.8	71.1	68.4	60.2	57.5	49.2	40.1	34.7	32.8
35°	69.3	70.2	73.9	79.3	75.7	65.7	62.9	53.8	42.9	37.4	36.5
37.5°	81.2	83.9	83.0	89.4	83.0	72.0	68.4	58.4	47.4	42.9	41.0
40°	95.8	98.5	95.8	99.4	92.1	80.3	75.7	64.8	55.6	50.2	50.2
42.5°	121.3	123.1	116.7	115.8	105.8	92.1	87.6	77.5	68.4	62.0	62.0
45°	159.6	156.0	145.0	138.6	124.9	107.6	103.1	93.0	83.9	78.4	77.5
47.5°	198.8	188.8	174.2	160.5	142.3	125.9	118.6	111.3	100.3	93.0	93.0
50°	247.2	224.4	199.7	181.5	158.7	142.3	133.2	125.9	114.0	105.8	104.9
52.5°	280.9	247.2	214.3	197.0	170.5	149.6	140.4	136.8	123.1	114.0	112.2
55°	294.6	259.9	218.9	202.5	174.2	151.4	142.3	139.5	126.8	117.6	116.7
57.5°	301.9	264.5	214.3	200.6	171.5	148.7	138.6	137.7	127.7	117.6	117.6
60°	311.9	268.1	205.2	194.3	167.8	144.1	135.0	135.0	124.9	115.8	114.9
61°	*312.8*	*268.1*	*201.6*	*191.5*	*165.1*	*141.4*	*132.2*	*134.1*	*124.0*	*114.9*	*113.1*
62.5°	308.3	263.6	194.3	185.1	159.6	135.9	128.6	131.3	120.4	111.3	109.4
65°	292.8	250.8	178.8	168.7	145.0	124.9	119.5	123.1	113.1	104.0	103.1
67.5°	272.7	233.5	161.4	146.8	128.6	111.3	109.4	111.3	103.1	94.8	93.0
70°	244.4	211.6	142.3	124.9	111.3	96.7	96.7	98.5	92.1	83.9	82.1
72.5°	206.1	181.5	121.3	100.3	90.3	81.2	83.9	84.8	79.3	72.0	70.2
75°	162.3	145.0	94.8	75.7	69.3	64.8	68.4	68.4	63.8	58.4	57.5
77.5°	114.0	104.0	65.7	52.0	49.2	47.4	51.1	50.2	49.2	43.8	42.9
80°	64.8	59.3	36.5	30.1	31.9	31.0	33.7	32.8	32.8	29.2	28.3
82.5°	23.7	21.0	16.4	15.5	17.3	15.5	17.3	16.4	17.3	17.3	16.4
85°	7.3	7.3	8.2	8.2	9.1	8.2	8.2	8.2	8.2	10.0	10.0
87.5°	5.5	5.5	6.4	6.4	7.3	6.4	6.4	6.4	6.4	8.2	8.2
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 Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

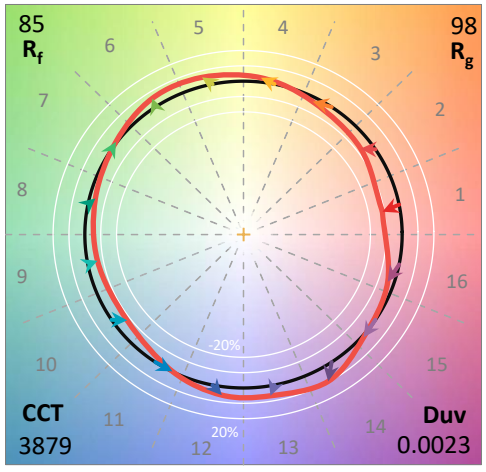
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2509-539-8
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-C1-840-LED-XX-Dx-S-GM-SPECULAR REFLECTOR

Spectral Parameters

CCT (K):	3879
CIE u':	0.2261
CIE v':	0.5068
Duv:	0.0023
CIE x:	0.3878
CIE y:	0.3863
CIE z:	0.2260
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	578
Purity:	32.30035
Rf:	84.8
Rg:	97.9

CRI (Ra):	83.0
R1:	81.2
R2:	87.4
R3:	93.9
R4:	84.2
R5:	81.9
R6:	84.2
R7:	86.4
R8:	65.2
R9:	8.2
R10:	71.6
R11:	84.7
R12:	68.5
R13:	82.3
R14:	96.6
R15:	73.7



Test Conditions

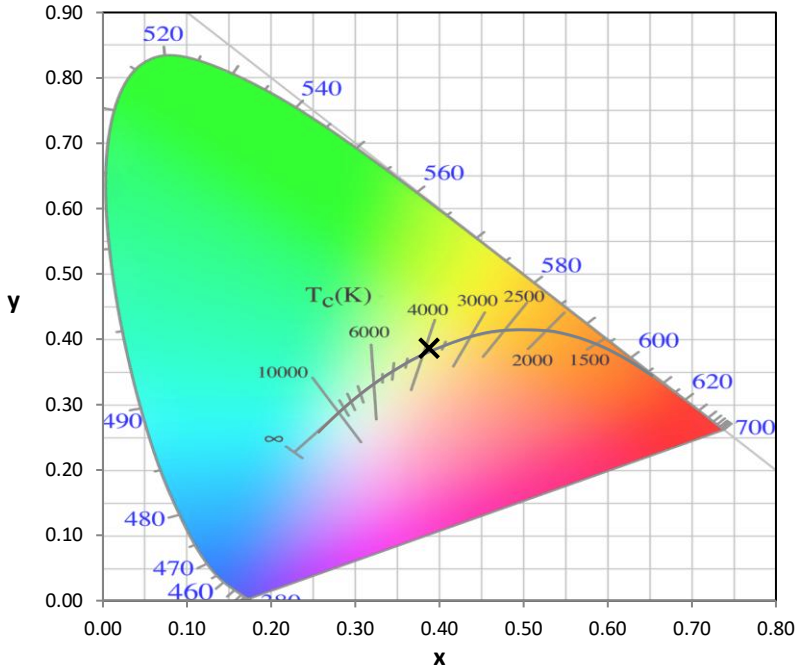
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-8

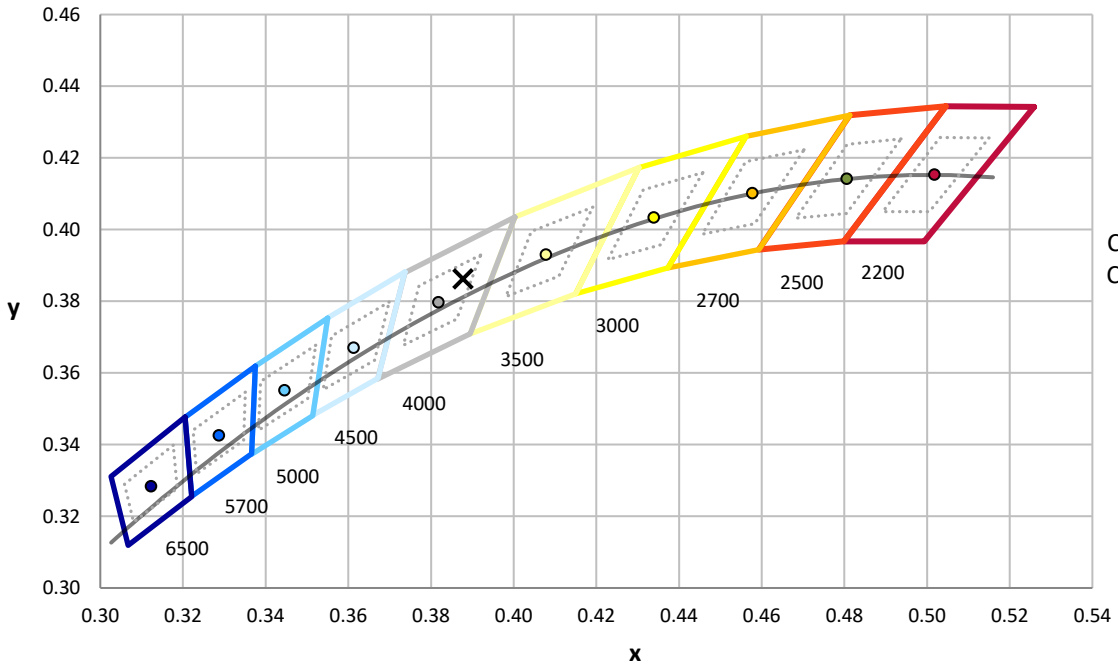
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

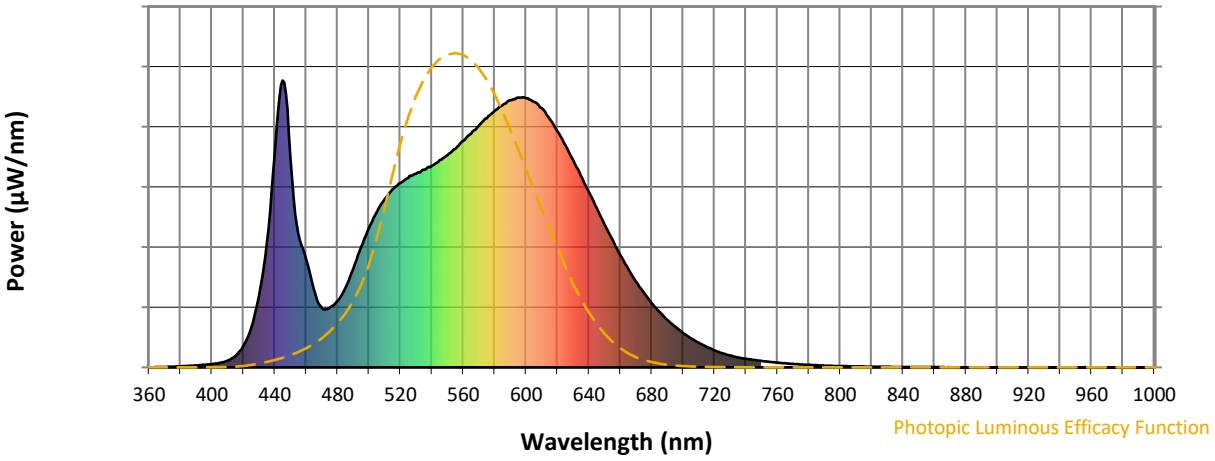


CCT = 3879K
CIE x = 0.3878
CIE y = 0.3863
Duv = 0.0023

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			

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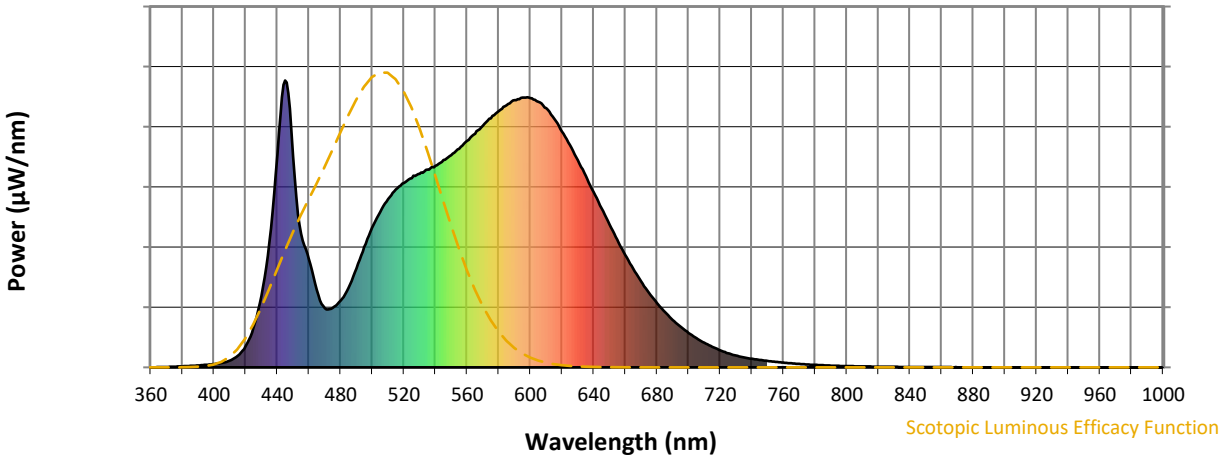
Scotopic Flux vs. Wavelength



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			

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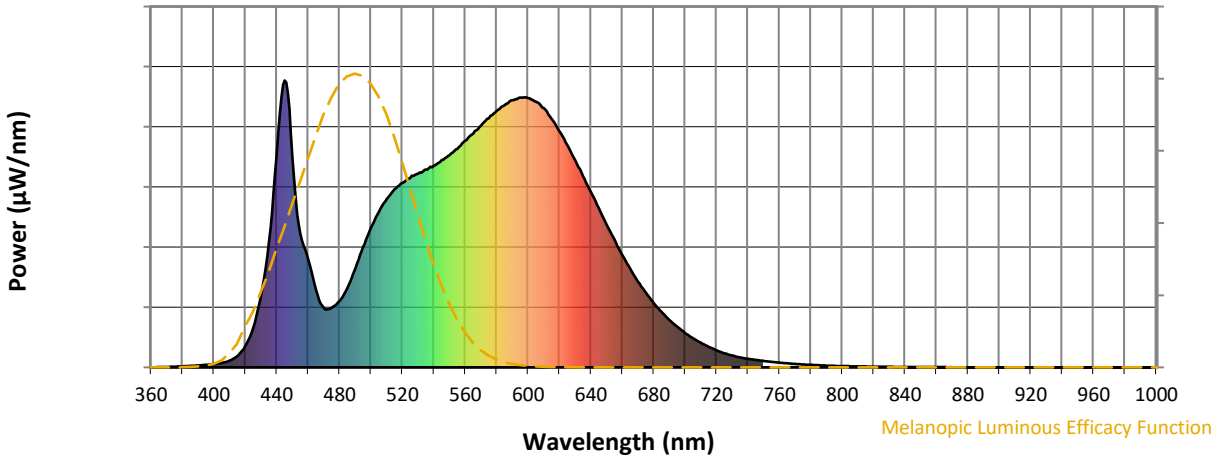
Melanopic Flux vs. Wavelength



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			

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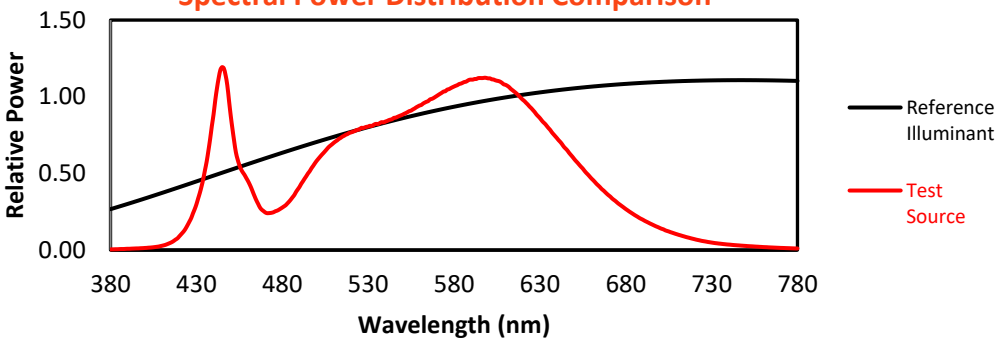
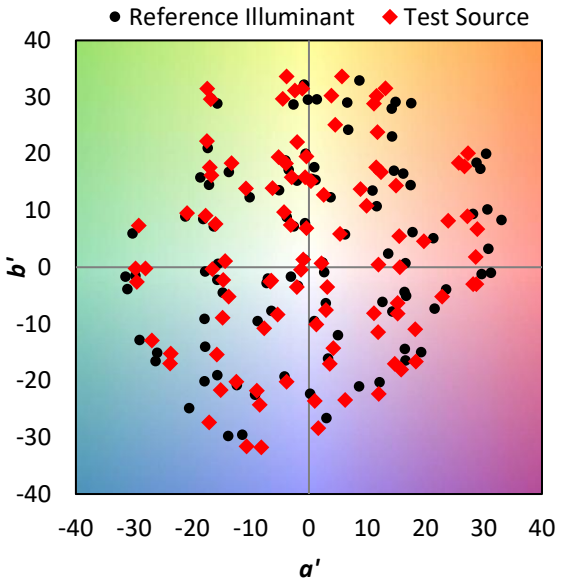
Summary

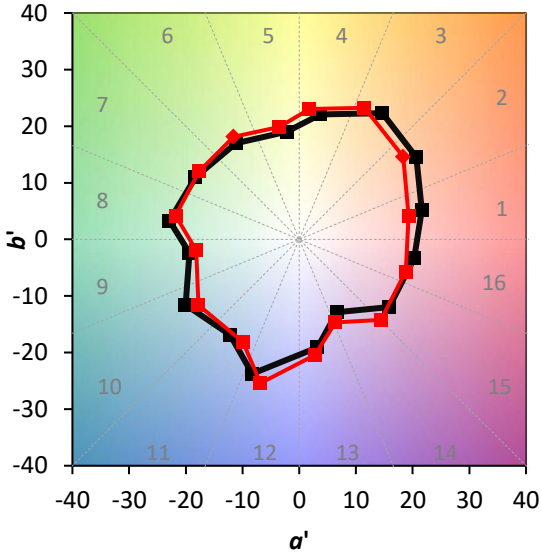
R_f = 84.8
R_g = 97.9
CIE R_a = 83.0
R_9 = 8.2

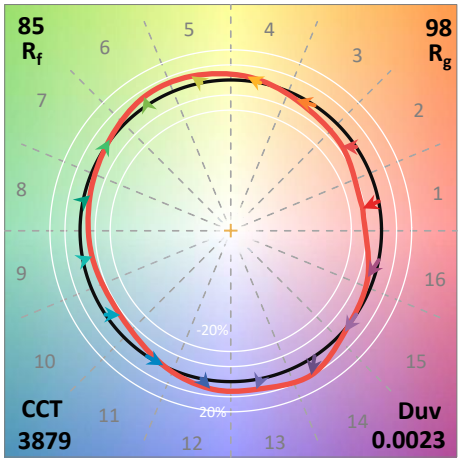
Spectral Power Distribution Comparison

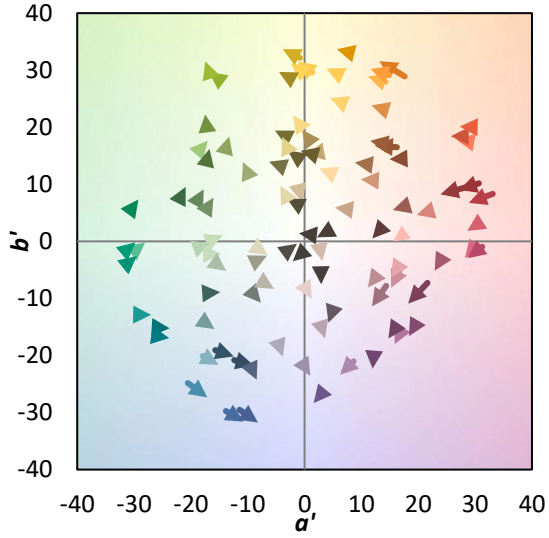


Color Vector Graphics









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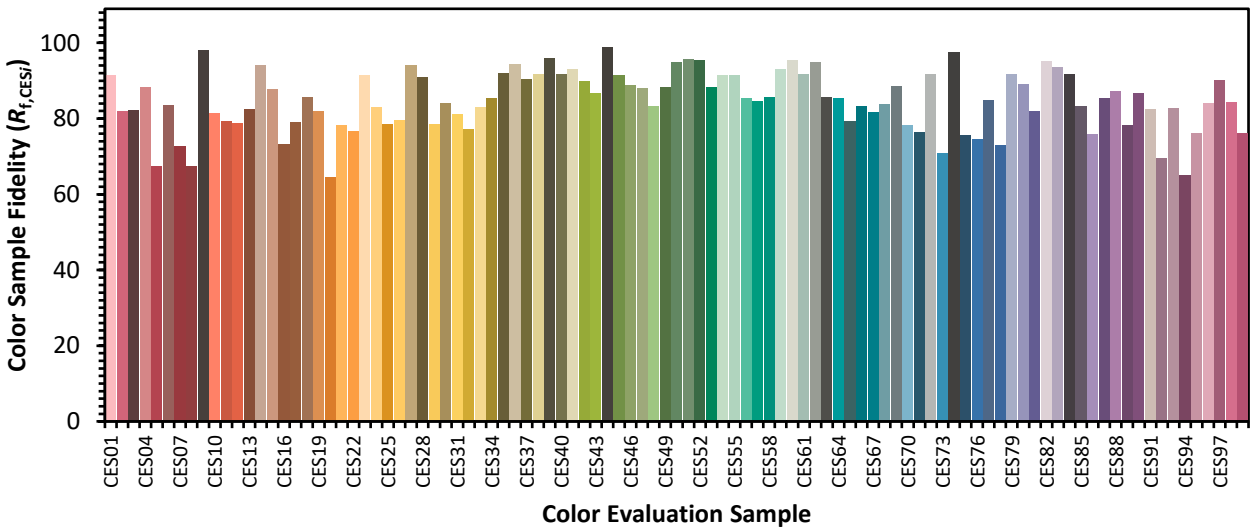
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 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	



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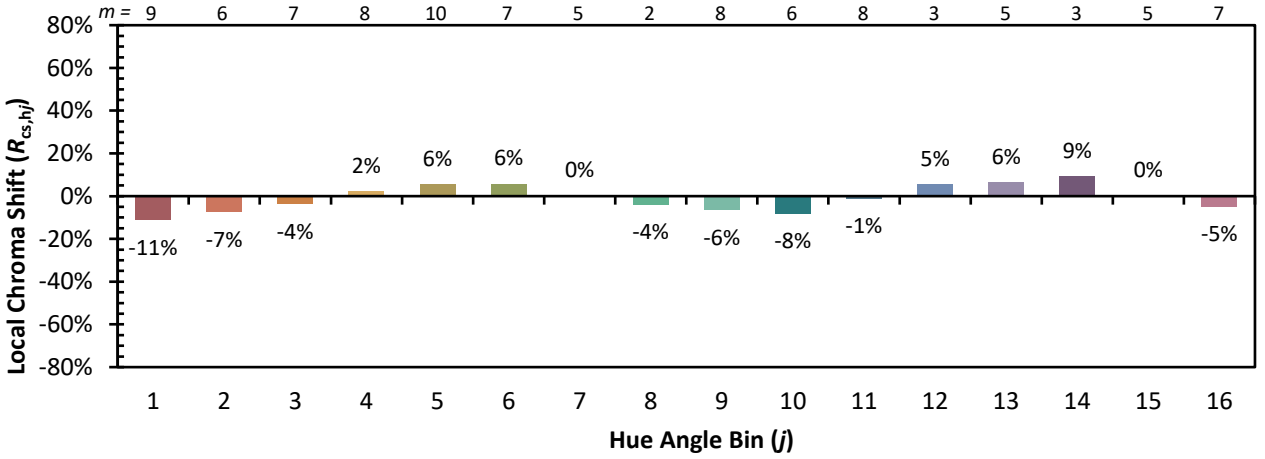
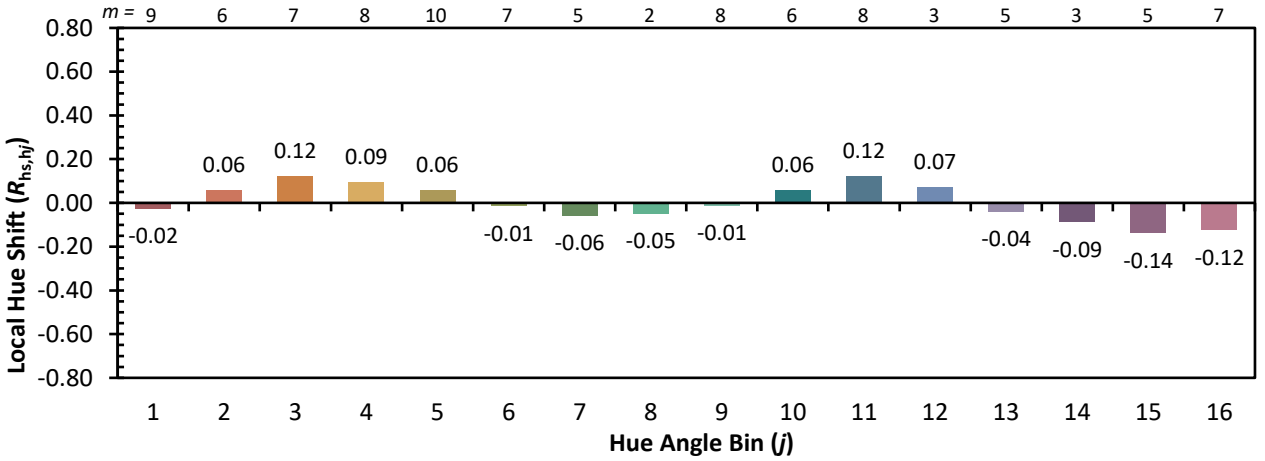
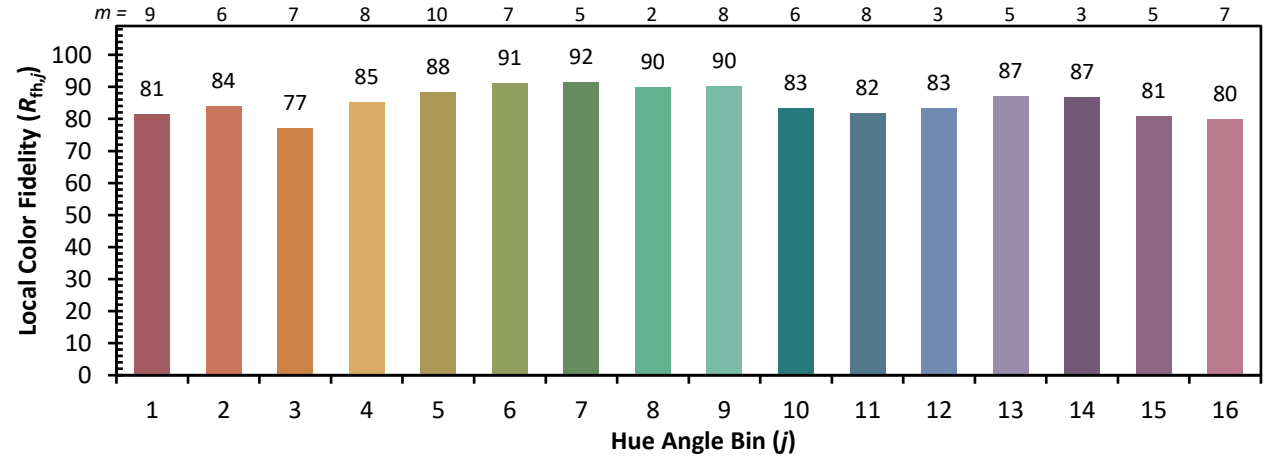
Color Rendition by Hue-Angle Bin







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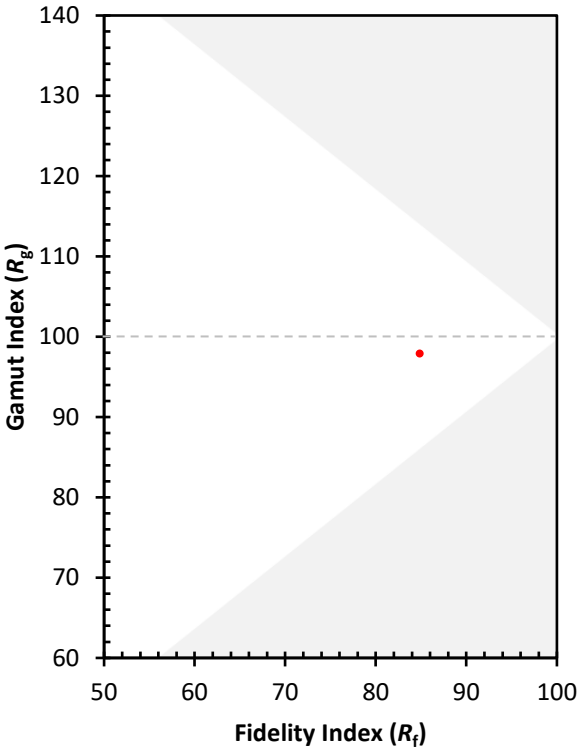
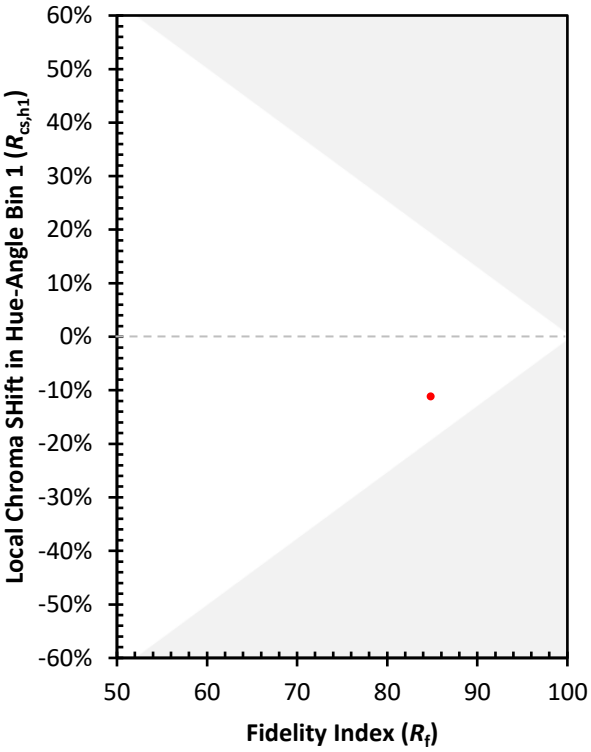
Measure Comparisons





(END OF REPORT)