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: P1442027

Luminaire Tested: ABB-C1-840-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:	P1442027
	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:	ABB-C1-840-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:	488 lumens
Efficiency:	N/A
Efficacy:	45.6 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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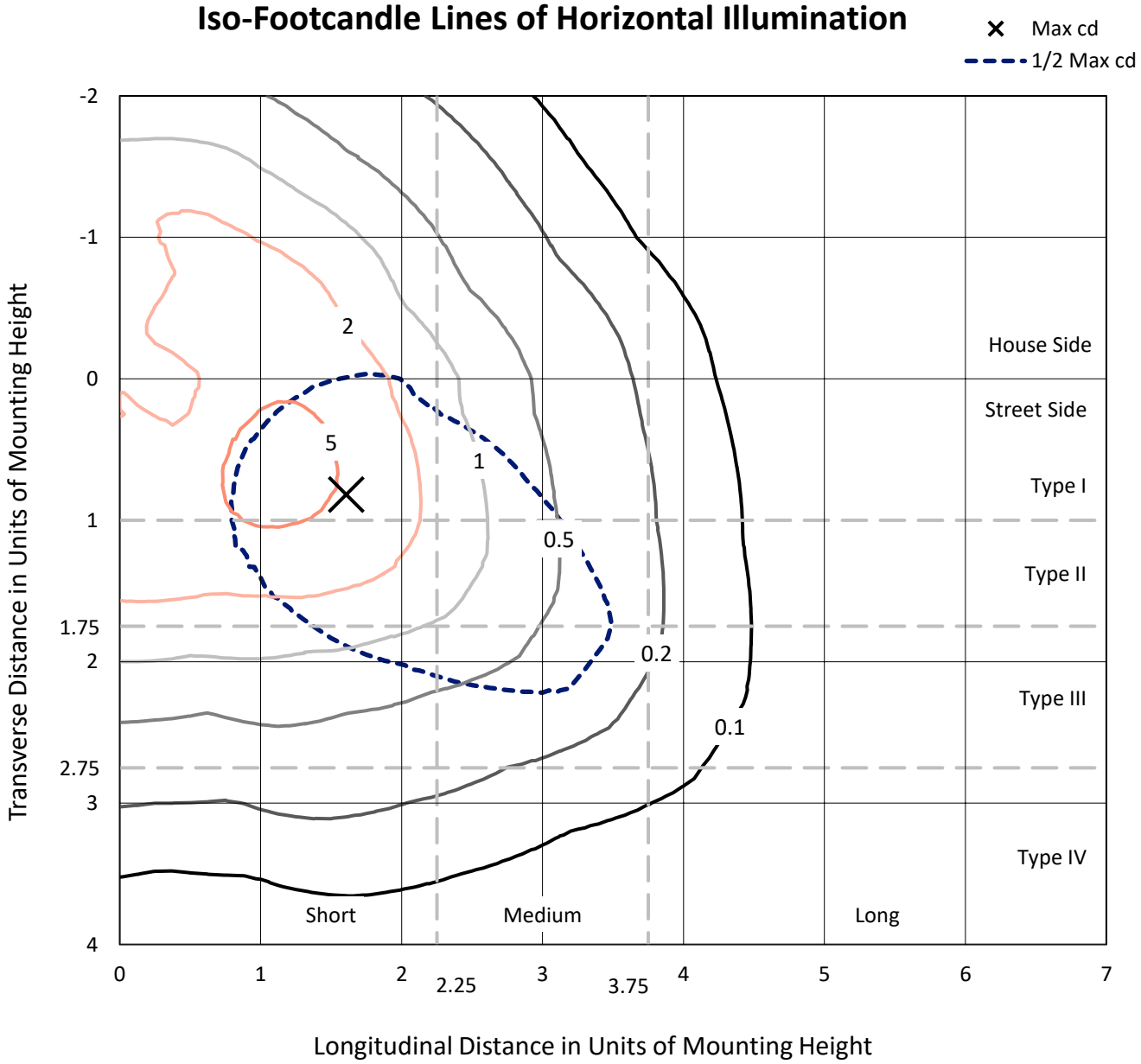
REPORT NUMBER: P1442027
CATALOG NUMBER: ABB-C1-840-X-U-A-GM

Iso-Footcandle Lines of Horizontal Illumination



Based on 3 foot mounting height. Maximum calculated value = 8.1 fc
Type III - Short - N/A

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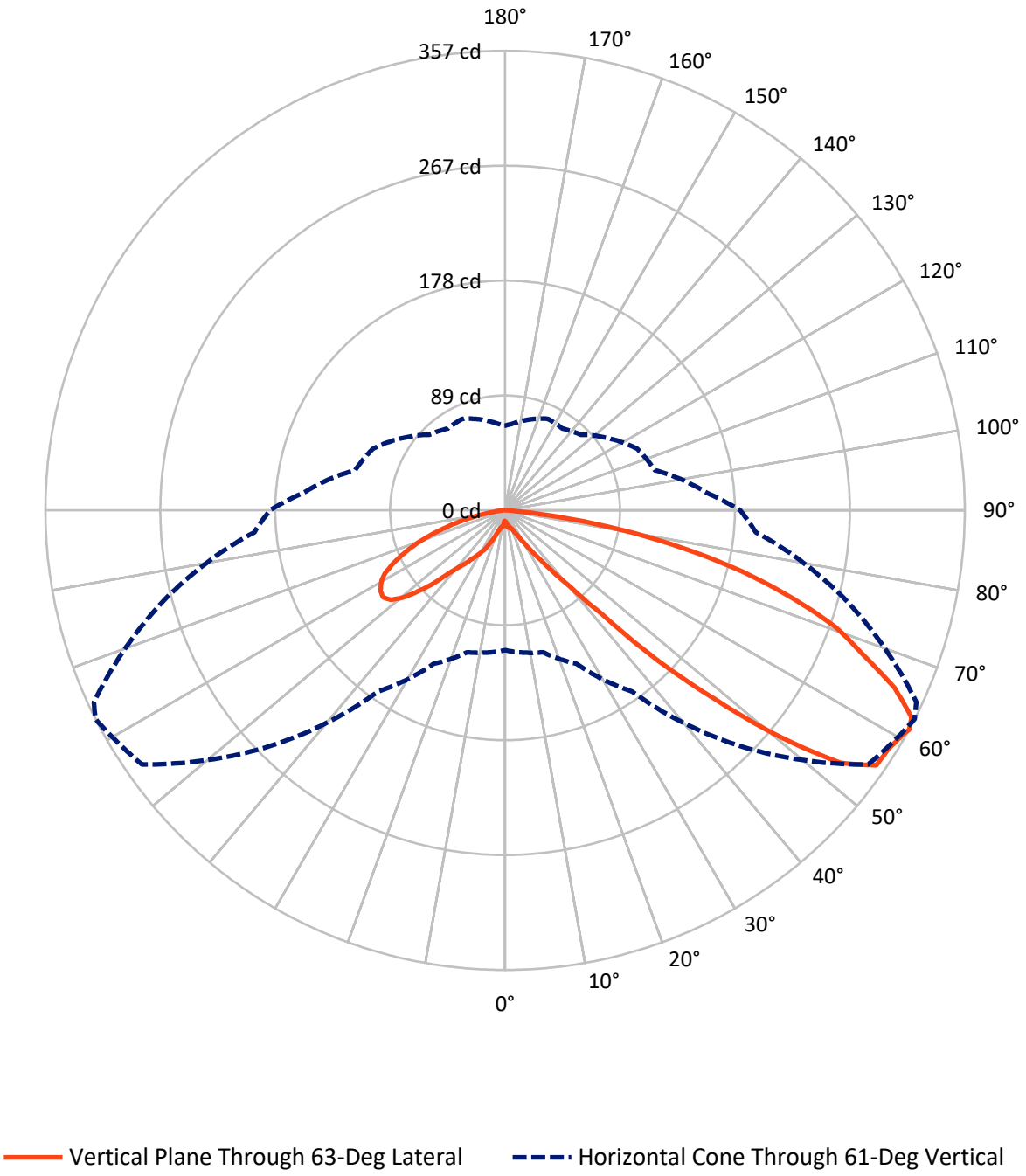
Luminous Intensity Polar Plot



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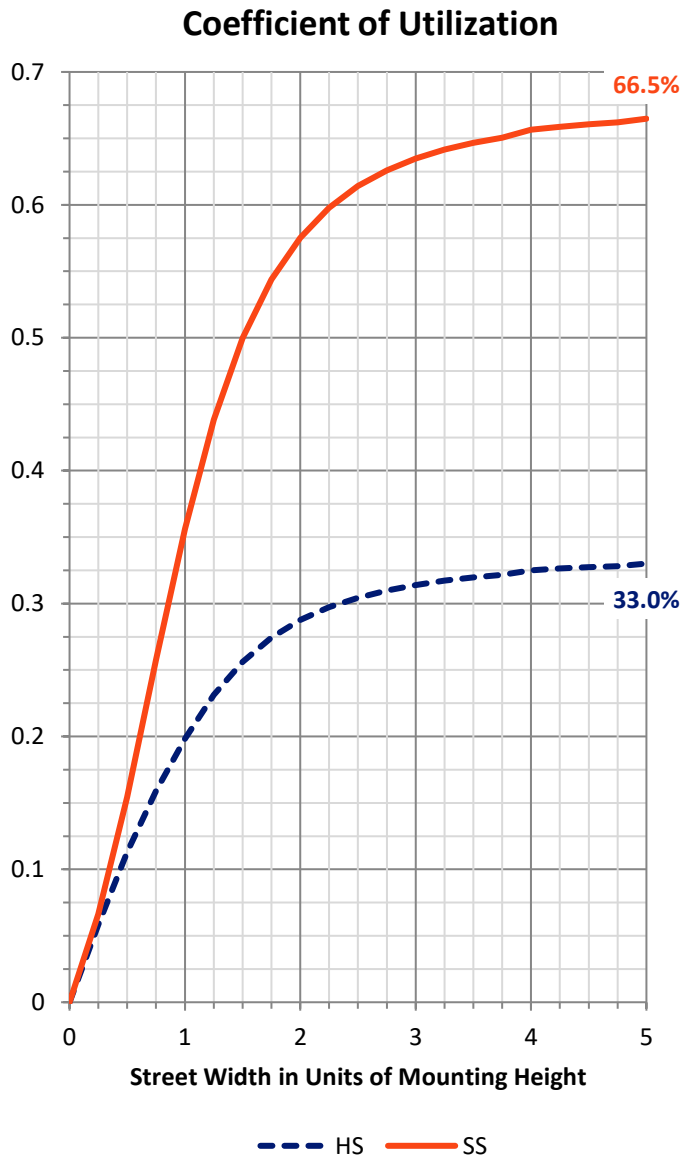
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	162.2	0.0	162.2
	% Fixture	33.2	0.0	33.2
Street Side	Lumens	325.8	0.0	325.8
	% Fixture	66.8	0.0	66.8
Total	Lumens	488.0	0.0	488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.2
10°-20°	4.8	1.0
20°-30°	12.2	2.5
30°-40°	27.8	5.7
40°-50°	72.3	14.8
50°-60°	138.1	28.3
60°-70°	139.4	28.6
70°-80°	80.8	16.6
80°-90°	11.4	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°	488.0	100.0
0°-180°	488.0	100.0



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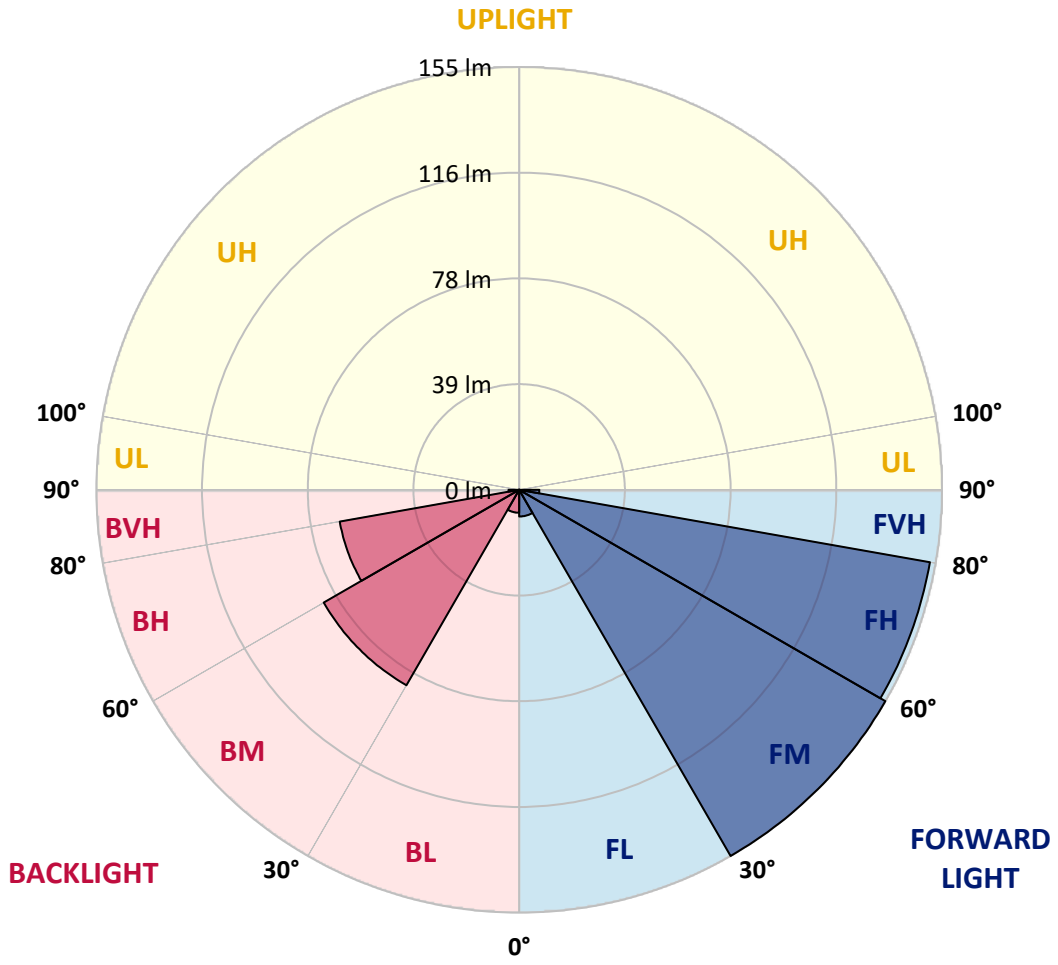
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	9.8	2.0			
FM	(30°-60°)	155.3	31.8			
FH	(60°-80°)	153.2	31.4			G0/660
FVH	(80°-90°)	7.4	1.5			G0/10
BL	(0°-30°)	8.4	1.7	B0/110		
BM	(30°-60°)	82.9	17.0	B0/220		
BH	(60°-80°)	66.9	13.7	B0/110		G0/110
BVH	(80°-90°)	3.9	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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Scaled Data Report

REPORT NUMBER: P1442027
CATALOG NUMBER: ABB-C1-840-X-U-A-GM

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	*9.1*	9.1	9.1	9.1
2.5°	14.6	15.5	13.7	13.7	12.8	11.9	10.9	*10.0*	10.0	9.1	9.1
5°	19.2	18.2	16.4	13.7	12.8	10.9	10.0	*9.1*	9.1	9.1	8.2
7.5°	21.0	19.2	19.2	16.4	14.6	14.6	14.6	*12.8*	11.9	10.9	10.9
10°	20.1	20.1	20.1	18.2	17.3	16.4	14.6	*13.7*	12.8	11.9	12.8
12.5°	18.2	18.2	21.0	20.1	17.3	16.4	14.6	*11.9*	11.9	11.9	10.9
15°	19.2	20.1	22.8	22.8	21.0	17.3	15.5	*13.7*	13.7	12.8	11.9
17.5°	23.7	23.7	23.7	23.7	23.7	20.1	15.5	*14.6*	13.7	13.7	13.7
20°	27.4	27.4	26.4	26.4	26.4	21.0	17.3	*15.5*	15.5	15.5	14.6
22.5°	32.8	31.9	33.7	30.1	28.3	22.8	19.2	*18.2*	18.2	17.3	16.4
25°	40.1	42.0	36.5	31.9	30.1	24.6	21.0	*20.1*	20.1	21.0	19.2
27.5°	49.2	49.2	41.0	36.5	32.8	27.4	25.5	*24.6*	23.7	24.6	23.7
30°	53.8	54.7	47.4	40.1	36.5	32.8	30.1	*29.2*	29.2	30.1	28.3
32.5°	59.3	60.2	52.0	44.7	40.1	38.3	38.3	*37.4*	36.5	35.6	32.8
35°	64.8	65.7	59.3	49.2	46.5	46.5	47.4	*46.5*	45.6	42.9	39.2
37.5°	70.2	71.1	64.8	55.6	52.0	55.6	59.3	*60.2*	58.4	53.8	47.4
40°	73.9	76.6	70.2	61.1	60.2	67.5	75.7	*78.4*	76.6	68.4	56.5
42.5°	79.3	82.1	78.4	69.3	70.2	84.8	104.0	*109.4*	106.7	92.1	73.0
45°	92.1	93.9	93.0	86.6	89.4	120.4	158.7	*166.0*	160.5	131.3	99.4
47.5°	100.3	100.3	103.1	97.6	107.6	157.8	207.9	*218.9*	213.4	169.6	125.9
50°	111.3	111.3	117.6	116.7	134.1	202.5	262.7	*276.3*	271.8	216.1	156.0
52.5°	114.9	117.6	124.9	128.6	156.0	233.5	311.9	*325.6*	321.9	249.0	178.8
55°	116.7	119.5	126.8	133.2	168.7	254.4	342.0	*349.3*	345.6	272.7	189.7
57.5°	115.8	118.6	124.0	132.2	170.5	261.7	342.0	*350.2*	346.6	280.0	193.3
60°	112.2	113.1	116.7	131.3	171.5	260.8	342.0	*353.9*	351.1	278.2	196.1
61°	*108.5*	*110.4*	*114.0*	*131.3*	*171.5*	*259.0*	*343.8*	*356.6*	*352.0*	*275.4*	*195.2*
62.5°	104.0	105.8	108.5	130.4	168.7	252.6	342.0	*353.9*	349.3	269.0	189.7
65°	94.8	94.8	95.8	125.9	157.8	233.5	322.8	*332.0*	323.8	250.8	176.0
67.5°	82.1	81.2	83.9	118.6	145.9	211.6	294.6	*300.0*	294.6	227.1	161.4
70°	67.5	67.5	71.1	107.6	132.2	185.1	266.3	*272.7*	267.2	198.8	146.8
72.5°	53.8	52.0	58.4	91.2	114.9	156.9	229.8	*233.5*	229.8	168.7	125.9
75°	39.2	36.5	46.5	73.9	93.9	124.0	186.0	*190.6*	184.2	132.2	102.1
77.5°	26.4	23.7	32.8	52.0	68.4	89.4	138.6	*141.4*	135.0	94.8	74.8
80°	15.5	14.6	21.0	30.1	41.0	55.6	87.6	*91.2*	84.8	59.3	45.6
82.5°	10.0	9.1	10.9	11.9	14.6	24.6	39.2	*41.0*	35.6	22.8	18.2
85°	6.4	5.5	5.5	4.6	5.5	5.5	5.5	*7.3*	6.4	5.5	4.6
87.5°	4.6	4.6	3.6	3.6	3.6	3.6	4.6	*4.6*	4.6	3.6	3.6
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: P1442027
CATALOG NUMBER: ABB-C1-840-X-U-A-GM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
2.5°	8.2	8.2	8.2	8.2	8.2	9.1	8.2	9.1	9.1	9.1	9.1
5°	8.2	8.2	9.1	9.1	10.0	10.0	10.0	10.0	9.1	9.1	8.2
7.5°	10.9	10.9	10.9	11.9	12.8	11.9	10.9	11.9	11.9	10.9	10.9
10°	11.9	11.9	11.9	12.8	14.6	14.6	13.7	13.7	13.7	11.9	11.9
12.5°	11.9	11.9	12.8	12.8	13.7	16.4	15.5	16.4	15.5	13.7	13.7
15°	12.8	12.8	13.7	13.7	16.4	18.2	17.3	17.3	16.4	13.7	13.7
17.5°	14.6	14.6	15.5	15.5	18.2	20.1	21.0	18.2	17.3	14.6	14.6
20°	14.6	15.5	18.2	18.2	21.0	21.9	23.7	21.0	18.2	16.4	16.4
22.5°	16.4	16.4	19.2	22.8	24.6	24.6	25.5	21.9	19.2	17.3	17.3
25°	19.2	19.2	22.8	27.4	28.3	26.4	27.4	23.7	20.1	17.3	17.3
27.5°	22.8	24.6	28.3	33.7	31.0	29.2	28.3	25.5	21.0	19.2	18.2
30°	29.2	28.3	32.8	37.4	35.6	31.9	31.0	27.4	21.9	19.2	19.2
32.5°	34.7	34.7	38.3	42.0	40.1	35.6	33.7	29.2	23.7	20.1	20.1
35°	41.0	42.0	43.8	46.5	43.8	38.3	36.5	31.9	25.5	21.9	21.9
37.5°	48.3	49.2	50.2	52.9	48.3	42.9	40.1	34.7	28.3	24.6	25.5
40°	56.5	58.4	58.4	58.4	53.8	47.4	44.7	38.3	32.8	30.1	31.0
42.5°	72.0	73.0	71.1	67.5	61.1	53.8	52.0	46.5	40.1	36.5	39.2
45°	94.8	93.0	89.4	81.2	73.0	63.8	61.1	55.6	49.2	45.6	48.3
47.5°	116.7	111.3	105.8	93.9	83.9	73.9	70.2	66.6	59.3	54.7	57.5
50°	145.0	132.2	121.3	106.7	93.9	83.9	78.4	75.7	67.5	62.9	62.9
52.5°	165.1	145.9	129.5	115.8	100.3	88.5	83.0	81.2	73.0	67.5	66.6
55°	172.4	152.3	132.2	119.5	103.1	89.4	83.9	82.1	74.8	69.3	68.4
57.5°	176.9	155.0	128.6	118.6	101.2	87.6	81.2	81.2	74.8	69.3	68.4
60°	182.4	157.8	123.1	114.9	98.5	84.8	79.3	79.3	73.9	68.4	67.5
61°	*182.4*	*156.9*	*120.4*	*113.1*	*97.6*	*83.0*	*77.5*	*78.4*	*73.0*	*67.5*	*65.7*
62.5°	179.7	154.1	114.9	109.4	93.9	80.3	75.7	76.6	71.1	65.7	64.8
65°	170.5	146.8	106.7	99.4	85.7	73.0	70.2	71.1	66.6	61.1	60.2
67.5°	158.7	136.8	95.8	87.6	75.7	65.7	63.8	63.8	61.1	55.6	54.7
70°	141.4	123.1	83.9	74.8	65.7	57.5	56.5	57.5	53.8	50.2	48.3
72.5°	119.5	104.9	71.1	60.2	53.8	48.3	49.2	48.3	46.5	42.9	41.0
75°	93.0	83.9	56.5	45.6	41.0	39.2	39.2	39.2	37.4	35.6	33.7
77.5°	64.8	59.3	39.2	31.9	29.2	29.2	29.2	28.3	28.3	26.4	24.6
80°	36.5	33.7	21.9	19.2	18.2	19.2	19.2	17.3	18.2	18.2	16.4
82.5°	11.9	11.9	10.0	10.0	10.0	10.0	9.1	8.2	10.0	10.9	9.1
85°	3.6	4.6	4.6	5.5	5.5	4.6	4.6	4.6	5.5	6.4	5.5
87.5°	2.7	2.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.6	4.6
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

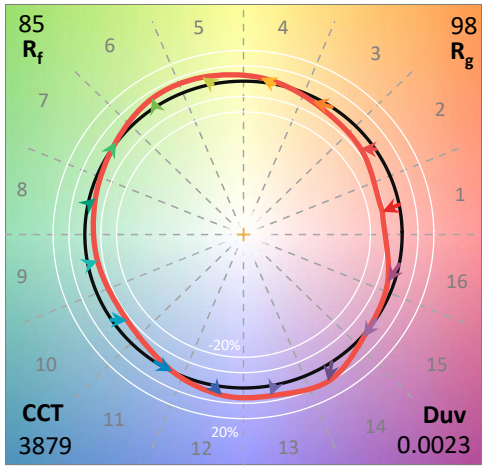
Test Information

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

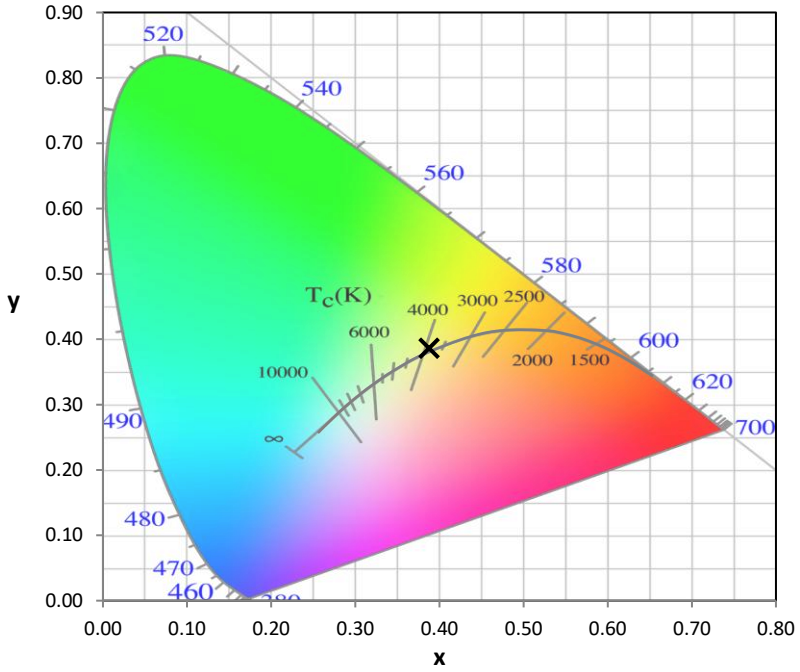
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-8

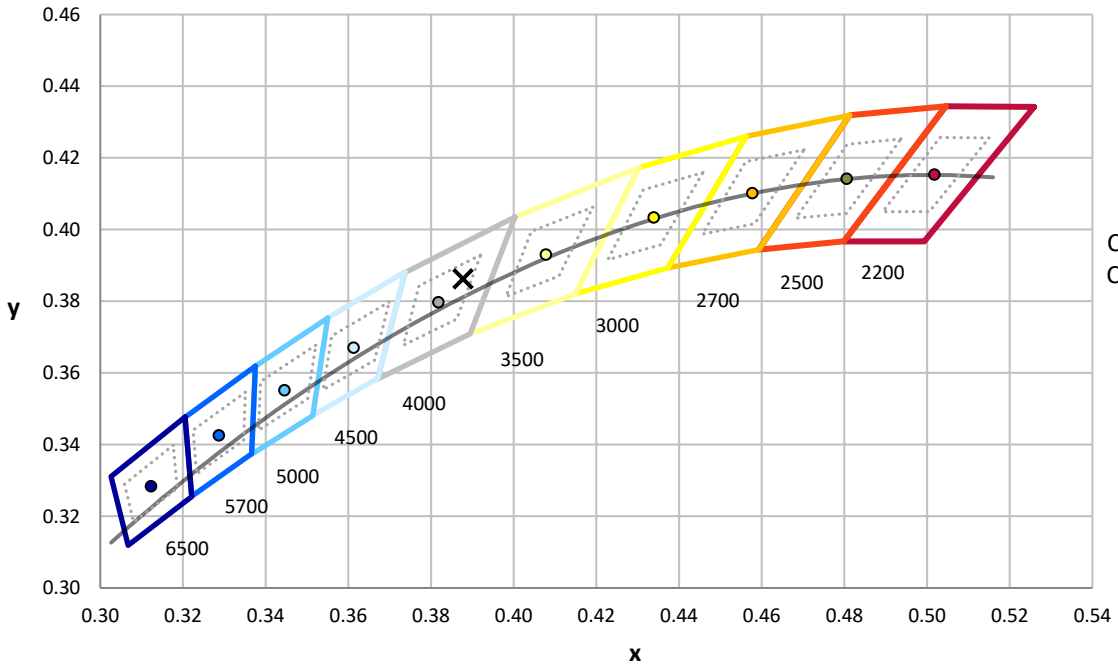
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

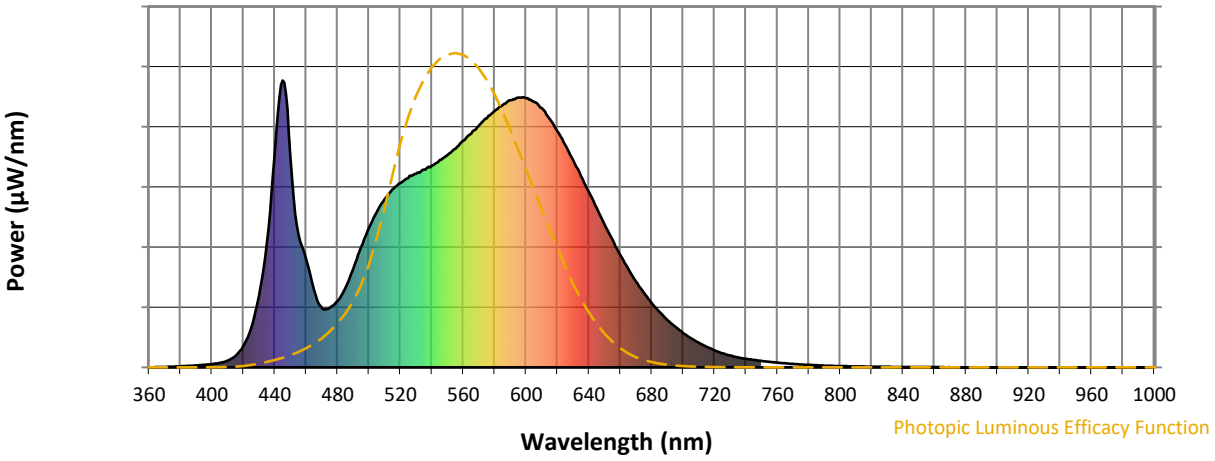


CCT = 3879K
CIE x = 0.3878
CIE y = 0.3863
Duv = 0.0023

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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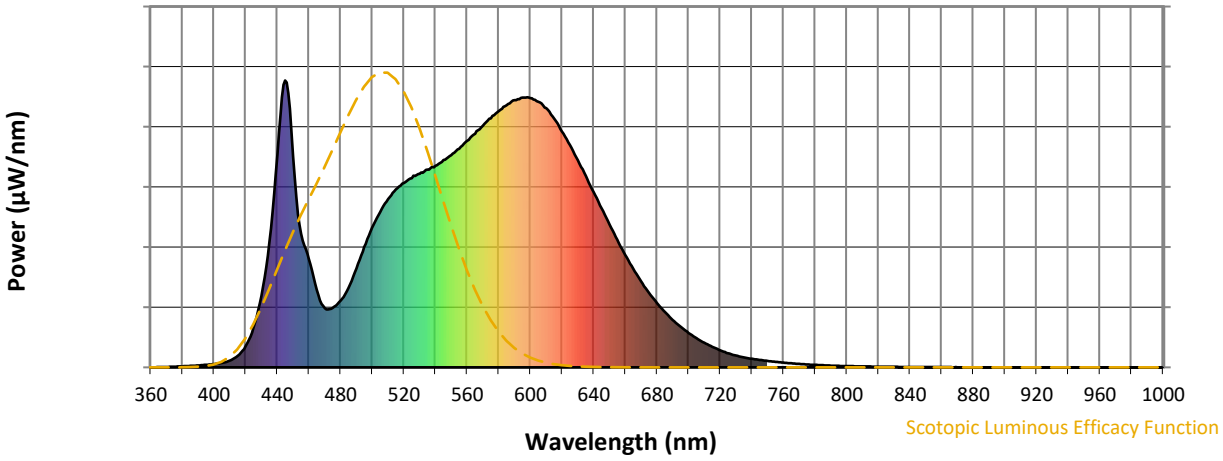
Scotopic Flux vs. Wavelength



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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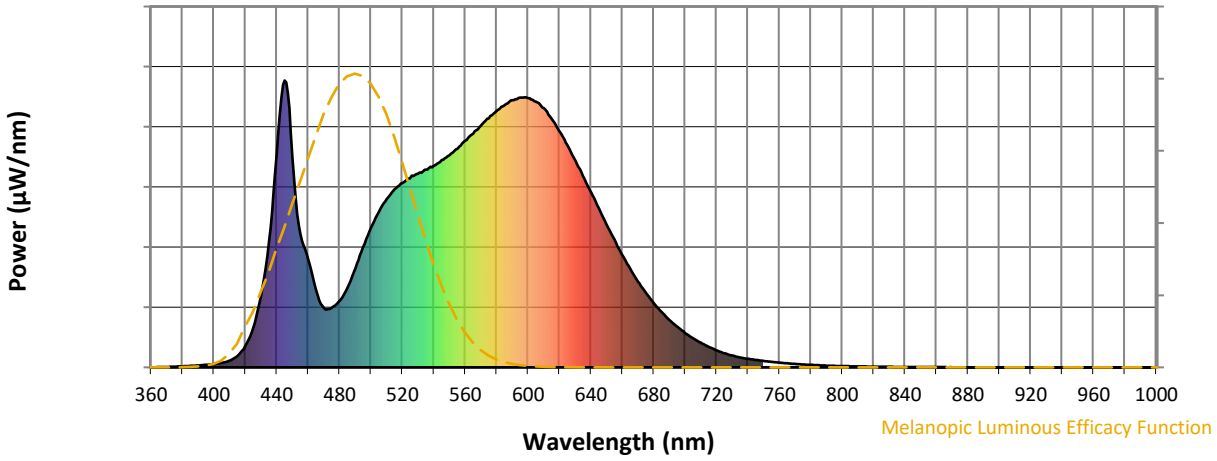
Melanopic Flux vs. Wavelength



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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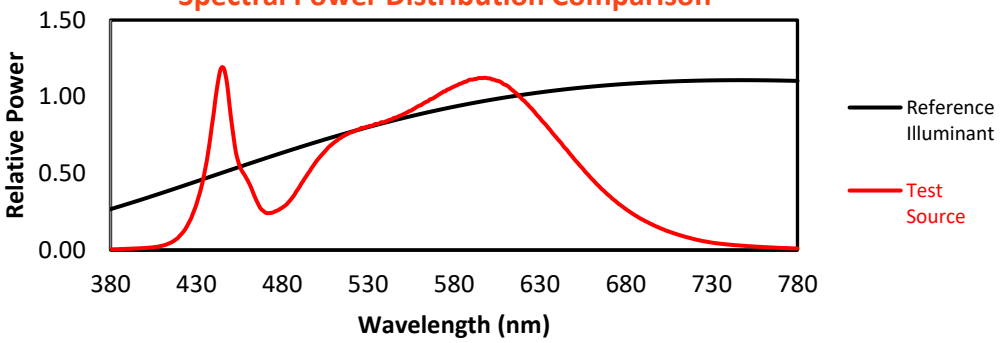
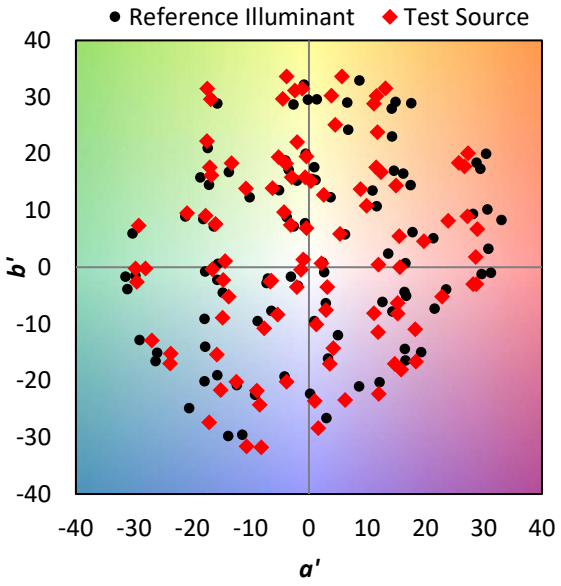
Summary

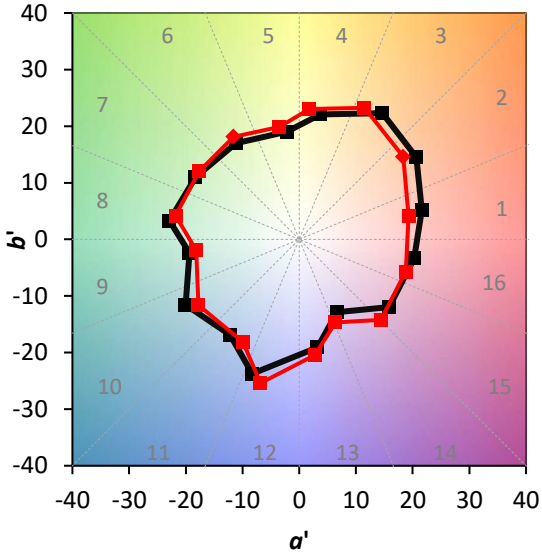
R_f = 84.8
R_g = 97.9
CIE R_a = 83.0
R_9 = 8.2

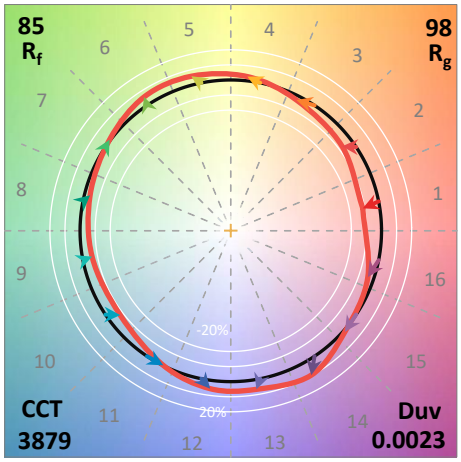
Spectral Power Distribution Comparison

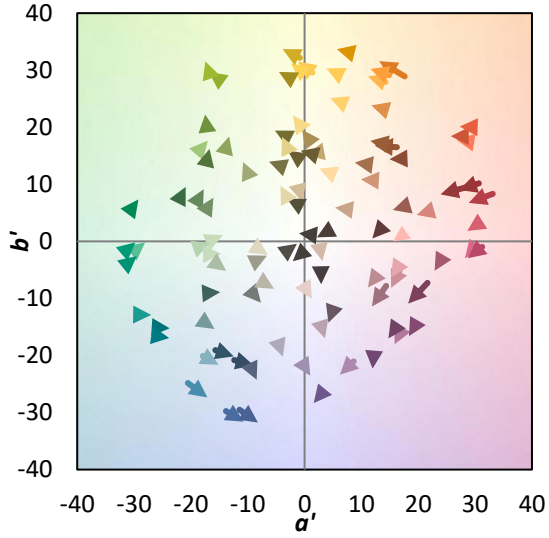


Color Vector Graphics









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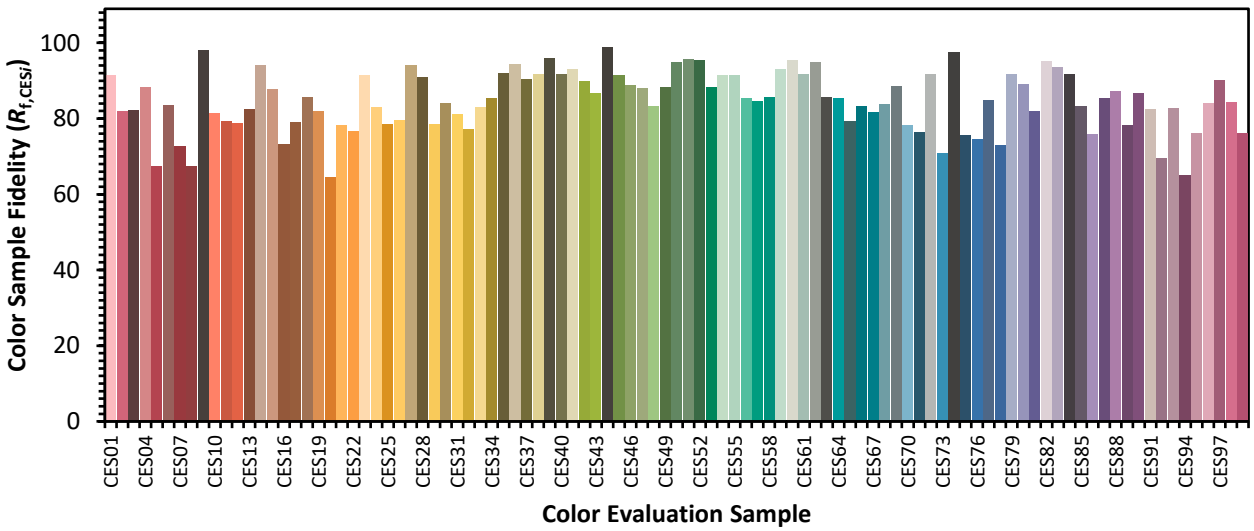
Individual Sample Fidelity Index ($R_{f,i}$)

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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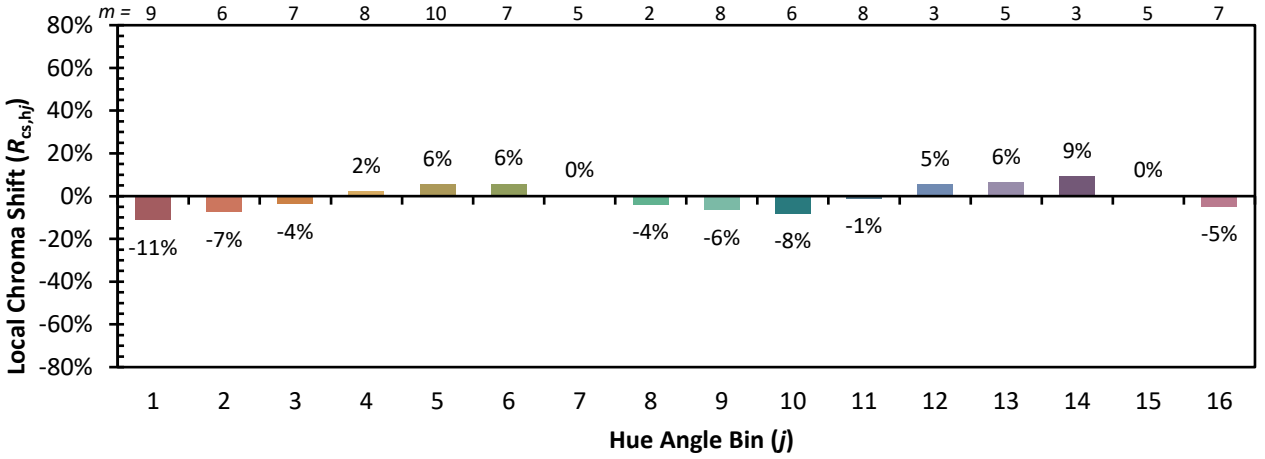
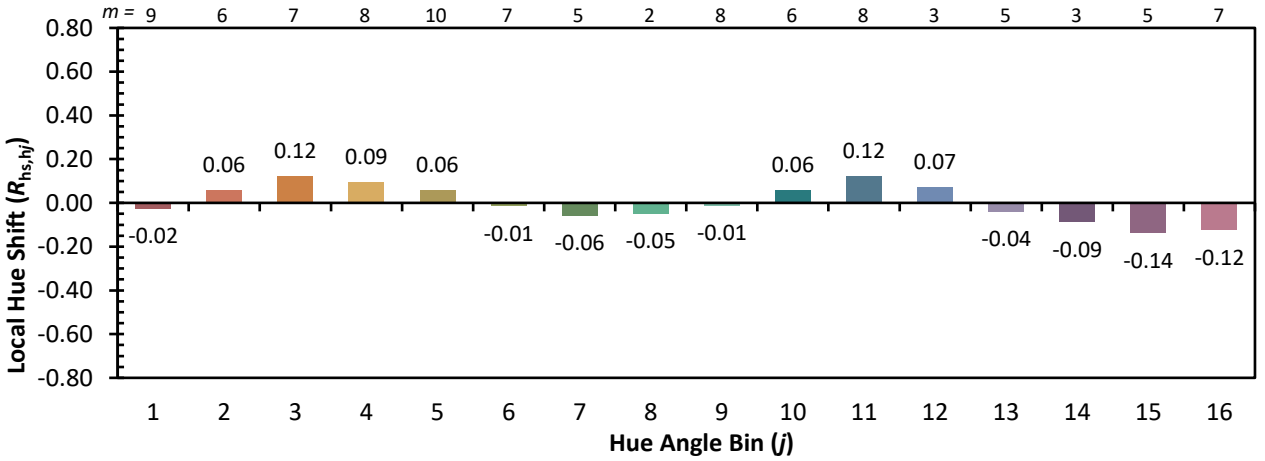
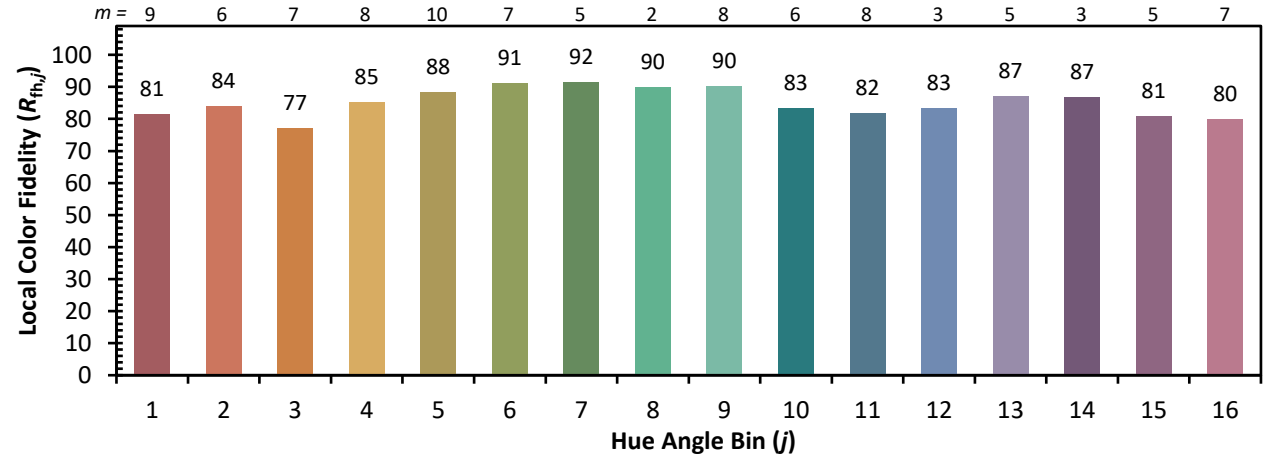
Color Rendition by Hue-Angle Bin







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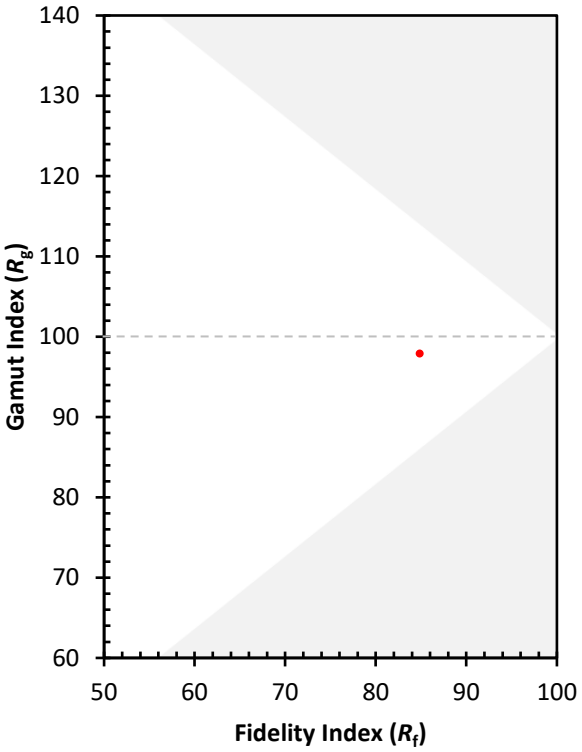
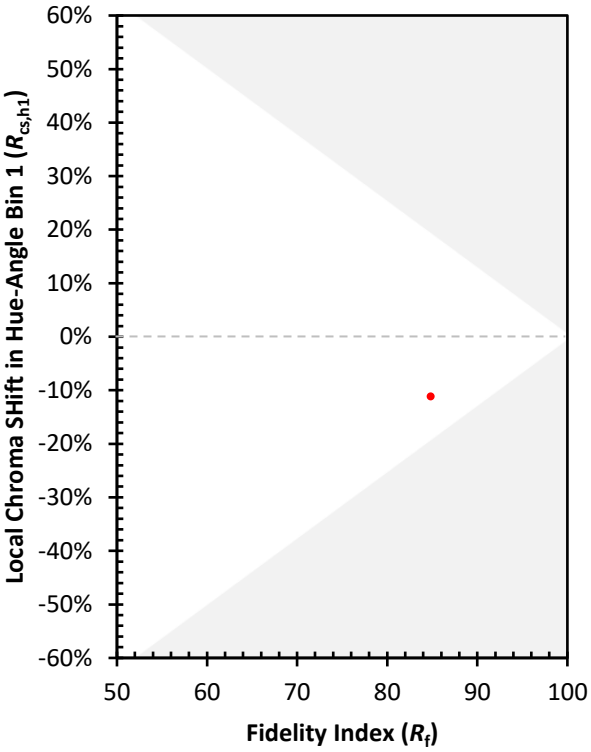
Measure Comparisons





(END OF REPORT)