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: P1459757

Luminaire Tested: ABB-CX-835-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:	P1459757
	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-835-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:	319.7 lumens
Efficiency:	N/A
Efficacy:	35.9 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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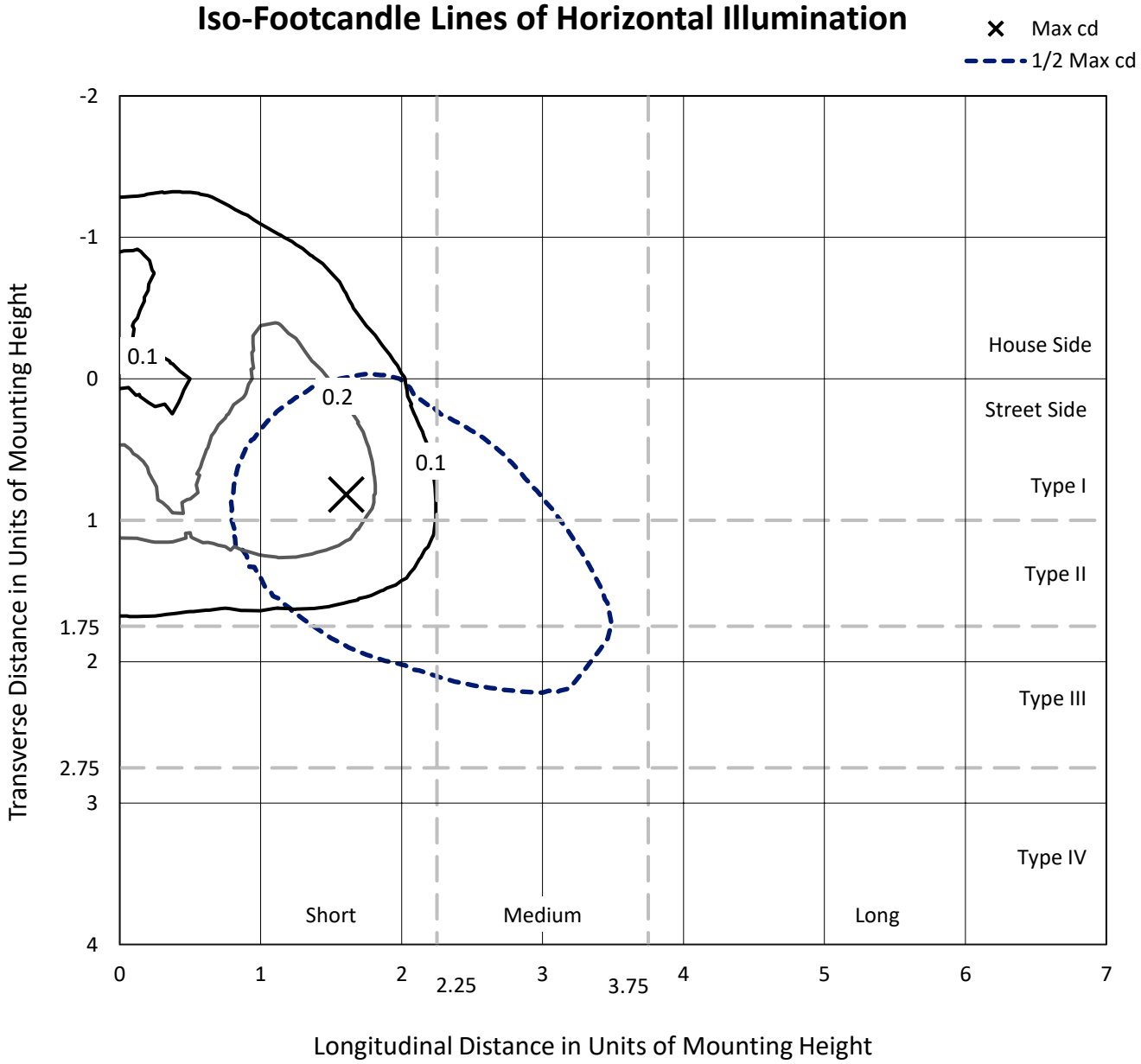
REPORT NUMBER: P1459757
CATALOG NUMBER: ABB-CX-835-X-U-A-GM-CBP

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 0.5 fc
Type III - Short - N/A

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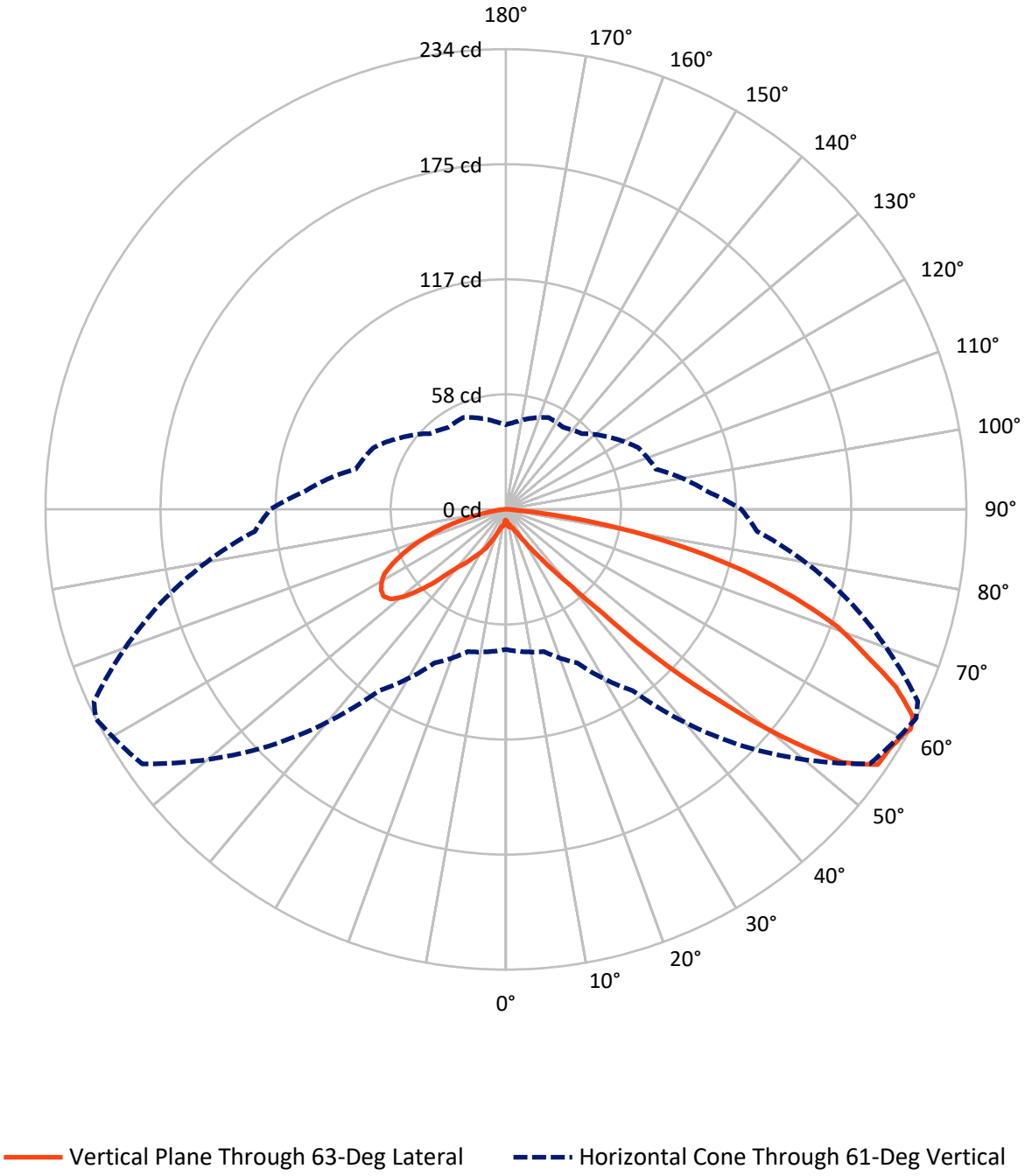
Luminous Intensity Polar Plot



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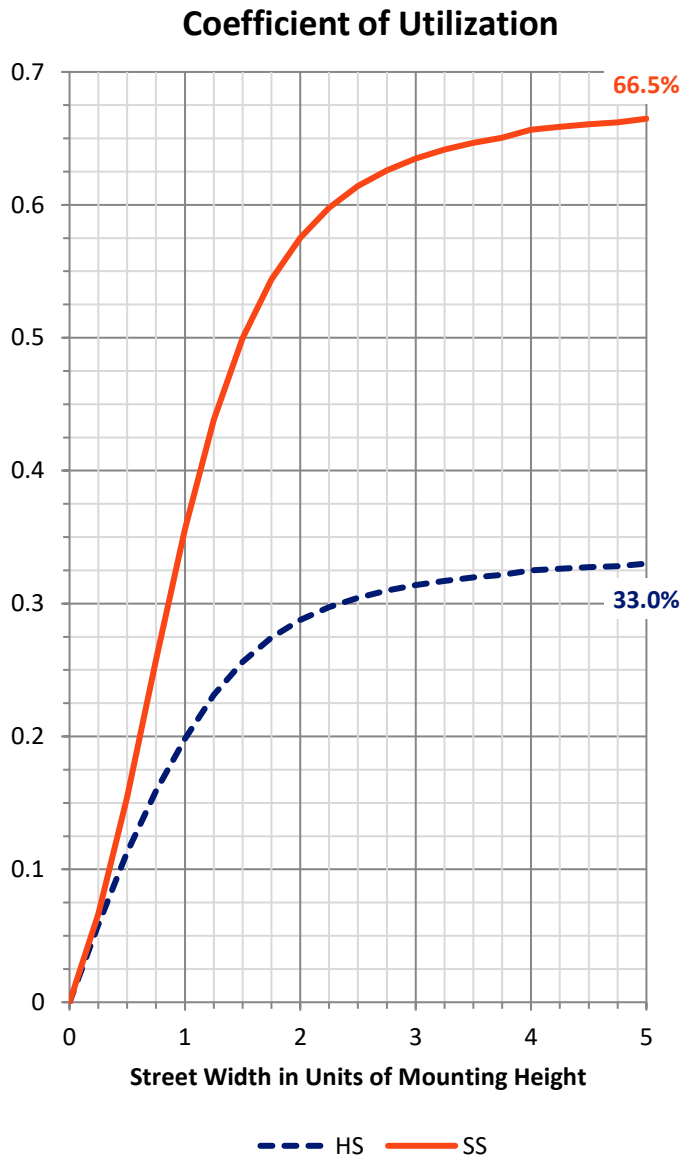
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	106.3	0.0	106.3
	% Fixture	33.2	0.0	33.2
Street Side	Lumens	213.4	0.0	213.4
	% Fixture	66.8	0.0	66.8
Total	Lumens	319.7	0.0	319.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.2
10°-20°	3.2	1.0
20°-30°	8.0	2.5
30°-40°	18.2	5.7
40°-50°	47.4	14.8
50°-60°	90.5	28.3
60°-70°	91.3	28.6
70°-80°	52.9	16.6
80°-90°	7.5	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°	319.7	100.0
0°-180°	319.7	100.0



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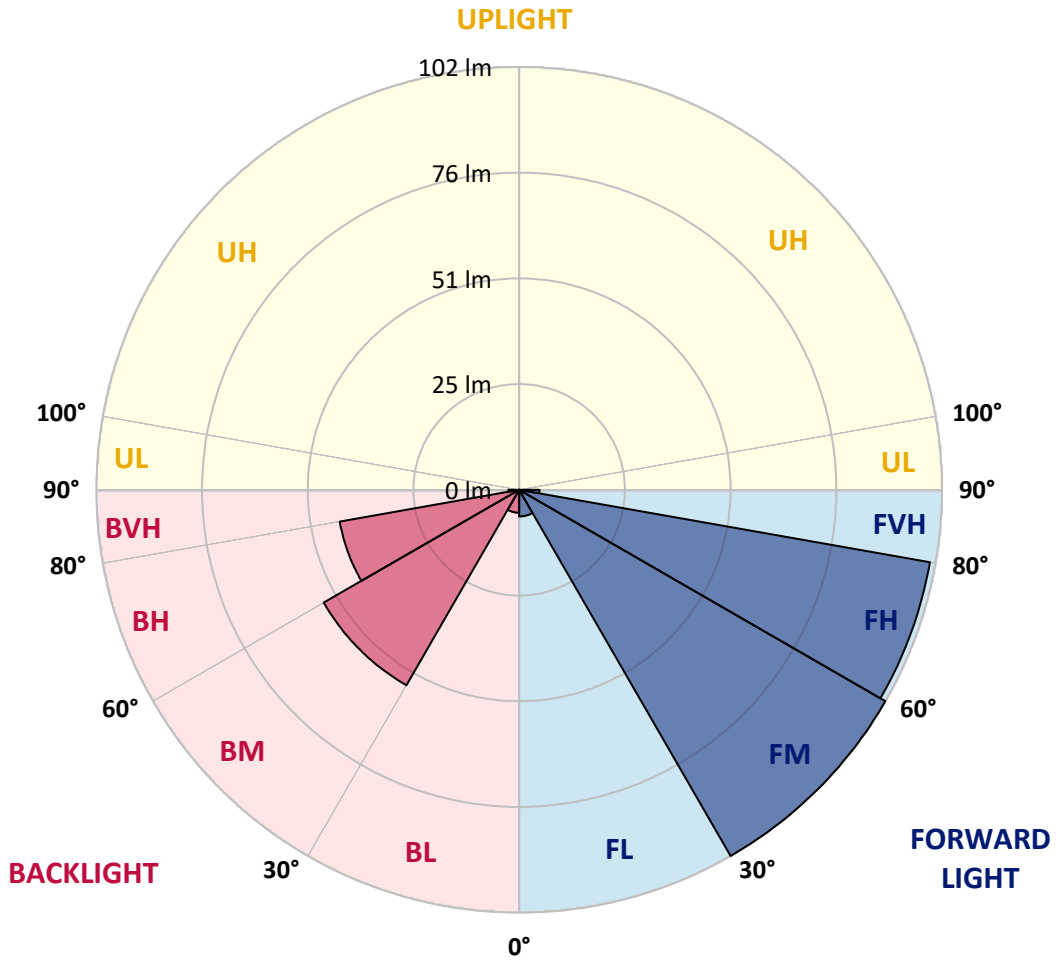
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	6.4	2.0			
FM	(30°-60°)	101.8	31.8			
FH	(60°-80°)	100.4	31.4			G0/660
FVH	(80°-90°)	4.9	1.5			G0/10
BL	(0°-30°)	5.5	1.7	B0/110		
BM	(30°-60°)	54.3	17.0	B0/220		
BH	(60°-80°)	43.8	13.7	B0/110		G0/110
BVH	(80°-90°)	2.6	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: P1459757
CATALOG NUMBER: ABB-CX-835-X-U-A-GM-CBP

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	*6.0*	6.0	6.0	6.0
2.5°	9.6	10.2	9.0	9.0	8.4	7.8	7.2	*6.6*	6.6	6.0	6.0
5°	12.5	12.0	10.8	9.0	8.4	7.2	6.6	*6.0*	6.0	6.0	5.4
7.5°	13.7	12.5	12.5	10.8	9.6	9.6	9.6	*8.4*	7.8	7.2	7.2
10°	13.1	13.1	13.1	12.0	11.4	10.8	9.6	*9.0*	8.4	7.8	8.4
12.5°	12.0	12.0	13.7	13.1	11.4	10.8	9.6	*7.8*	7.8	7.8	7.2
15°	12.5	13.1	14.9	14.9	13.7	11.4	10.2	*9.0*	9.0	8.4	7.8
17.5°	15.5	15.5	15.5	15.5	15.5	13.1	10.2	*9.6*	9.0	9.0	9.0
20°	17.9	17.9	17.3	17.3	17.3	13.7	11.4	*10.2*	10.2	10.2	9.6
22.5°	21.5	20.9	22.1	19.7	18.5	14.9	12.5	*12.0*	12.0	11.4	10.8
25°	26.3	27.5	23.9	20.9	19.7	16.1	13.7	*13.1*	13.1	13.7	12.5
27.5°	32.3	32.3	26.9	23.9	21.5	17.9	16.7	*16.1*	15.5	16.1	15.5
30°	35.3	35.9	31.1	26.3	23.9	21.5	19.7	*19.1*	19.1	19.7	18.5
32.5°	38.8	39.4	34.1	29.3	26.3	25.1	25.1	*24.5*	23.9	23.3	21.5
35°	42.4	43.0	38.8	32.3	30.5	30.5	31.1	*30.5*	29.9	28.1	25.7
37.5°	46.0	46.6	42.4	36.4	34.1	36.4	38.8	*39.4*	38.2	35.3	31.1
40°	48.4	50.2	46.0	40.0	39.4	44.2	49.6	*51.4*	50.2	44.8	37.0
42.5°	52.0	53.8	51.4	45.4	46.0	55.6	68.1	*71.7*	69.9	60.3	47.8
45°	60.3	61.5	60.9	56.8	58.6	78.9	104.0	*108.7*	105.2	86.0	65.1
47.5°	65.7	65.7	67.5	63.9	70.5	103.4	136.2	*143.4*	139.8	111.1	82.5
50°	72.9	72.9	77.1	76.5	87.8	132.6	172.1	*181.0*	178.1	141.6	102.2
52.5°	75.3	77.1	81.9	84.2	102.2	153.0	204.4	*213.3*	210.9	163.1	117.1
55°	76.5	78.3	83.1	87.2	110.5	166.7	224.1	*228.8*	226.5	178.7	124.3
57.5°	75.9	77.7	81.3	86.6	111.7	171.5	224.1	*229.4*	227.1	183.4	126.7
60°	73.5	74.1	76.5	86.0	112.3	170.9	224.1	*231.8*	230.0	182.2	128.5
61°	*71.1*	*72.3*	*74.7*	*86.0*	*112.3*	*169.7*	*225.3*	*233.6*	*230.6*	*180.5*	*127.9*
62.5°	68.1	69.3	71.1	85.4	110.5	165.5	224.1	*231.8*	228.8	176.3	124.3
65°	62.1	62.1	62.7	82.5	103.4	153.0	211.5	*217.5*	212.1	164.3	115.3
67.5°	53.8	53.2	55.0	77.7	95.6	138.6	193.0	*196.6*	193.0	148.8	105.8
70°	44.2	44.2	46.6	70.5	86.6	121.3	174.5	*178.7*	175.1	130.3	96.2
72.5°	35.3	34.1	38.2	59.8	75.3	102.8	150.6	*153.0*	150.6	110.5	82.5
75°	25.7	23.9	30.5	48.4	61.5	81.3	121.9	*124.9*	120.7	86.6	66.9
77.5°	17.3	15.5	21.5	34.1	44.8	58.6	90.8	*92.6*	88.4	62.1	49.0
80°	10.2	9.6	13.7	19.7	26.9	36.4	57.4	*59.8*	55.6	38.8	29.9
82.5°	6.6	6.0	7.2	7.8	9.6	16.1	25.7	*26.9*	23.3	14.9	12.0
85°	4.2	3.6	3.6	3.0	3.6	3.6	3.6	*4.8*	4.2	3.6	3.0
87.5°	3.0	3.0	2.4	2.4	2.4	2.4	3.0	*3.0*	3.0	2.4	2.4
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: P1459757
CATALOG NUMBER: ABB-CX-835-X-U-A-GM-CBP

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	5.4	5.4	5.4	5.4	5.4	6.0	5.4	6.0	6.0	6.0	6.0
5°	5.4	5.4	6.0	6.0	6.6	6.6	6.6	6.6	6.0	6.0	5.4
7.5°	7.2	7.2	7.2	7.8	8.4	7.8	7.2	7.8	7.8	7.2	7.2
10°	7.8	7.8	7.8	8.4	9.6	9.6	9.0	9.0	9.0	7.8	7.8
12.5°	7.8	7.8	8.4	8.4	9.0	10.8	10.2	10.8	10.2	9.0	9.0
15°	8.4	8.4	9.0	9.0	10.8	12.0	11.4	11.4	10.8	9.0	9.0
17.5°	9.6	9.6	10.2	10.2	12.0	13.1	13.7	12.0	11.4	9.6	9.6
20°	9.6	10.2	12.0	12.0	13.7	14.3	15.5	13.7	12.0	10.8	10.8
22.5°	10.8	10.8	12.5	14.9	16.1	16.1	16.7	14.3	12.5	11.4	11.4
25°	12.5	12.5	14.9	17.9	18.5	17.3	17.9	15.5	13.1	11.4	11.4
27.5°	14.9	16.1	18.5	22.1	20.3	19.1	18.5	16.7	13.7	12.5	12.0
30°	19.1	18.5	21.5	24.5	23.3	20.9	20.3	17.9	14.3	12.5	12.5
32.5°	22.7	22.7	25.1	27.5	26.3	23.3	22.1	19.1	15.5	13.1	13.1
35°	26.9	27.5	28.7	30.5	28.7	25.1	23.9	20.9	16.7	14.3	14.3
37.5°	31.7	32.3	32.9	34.7	31.7	28.1	26.3	22.7	18.5	16.1	16.7
40°	37.0	38.2	38.2	38.2	35.3	31.1	29.3	25.1	21.5	19.7	20.3
42.5°	47.2	47.8	46.6	44.2	40.0	35.3	34.1	30.5	26.3	23.9	25.7
45°	62.1	60.9	58.6	53.2	47.8	41.8	40.0	36.4	32.3	29.9	31.7
47.5°	76.5	72.9	69.3	61.5	55.0	48.4	46.0	43.6	38.8	35.9	37.6
50°	95.0	86.6	79.5	69.9	61.5	55.0	51.4	49.6	44.2	41.2	41.2
52.5°	108.2	95.6	84.8	75.9	65.7	58.0	54.4	53.2	47.8	44.2	43.6
55°	112.9	99.8	86.6	78.3	67.5	58.6	55.0	53.8	49.0	45.4	44.8
57.5°	115.9	101.6	84.2	77.7	66.3	57.4	53.2	53.2	49.0	45.4	44.8
60°	119.5	103.4	80.7	75.3	64.5	55.6	52.0	52.0	48.4	44.8	44.2
61°	*119.5*	*102.8*	*78.9*	*74.1*	*63.9*	*54.4*	*50.8*	*51.4*	*47.8*	*44.2*	*43.0*
62.5°	117.7	101.0	75.3	71.7	61.5	52.6	49.6	50.2	46.6	43.0	42.4
65°	111.7	96.2	69.9	65.1	56.2	47.8	46.0	46.6	43.6	40.0	39.4
67.5°	104.0	89.6	62.7	57.4	49.6	43.0	41.8	41.8	40.0	36.4	35.9
70°	92.6	80.7	55.0	49.0	43.0	37.6	37.0	37.6	35.3	32.9	31.7
72.5°	78.3	68.7	46.6	39.4	35.3	31.7	32.3	31.7	30.5	28.1	26.9
75°	60.9	55.0	37.0	29.9	26.9	25.7	25.7	25.7	24.5	23.3	22.1
77.5°	42.4	38.8	25.7	20.9	19.1	19.1	19.1	18.5	18.5	17.3	16.1
80°	23.9	22.1	14.3	12.5	12.0	12.5	12.5	11.4	12.0	12.0	10.8
82.5°	7.8	7.8	6.6	6.6	6.6	6.6	6.0	5.4	6.6	7.2	6.0
85°	2.4	3.0	3.0	3.6	3.6	3.0	3.0	3.0	3.6	4.2	3.6
87.5°	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0	3.0
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: SP1-2509-539-7

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

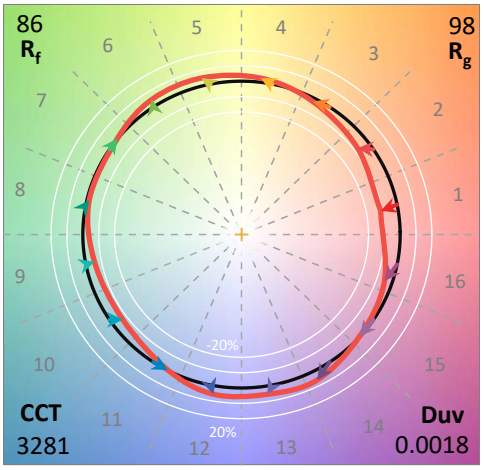
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2509-539-7
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-C1-835-LED-XX-Dx-S-GM-SPECULAR REFLECTOR

Spectral Parameters

CCT (K):	3281
CIE u':	0.2408
CIE v':	0.5181
Duv:	0.0018
CIE x:	0.4204
CIE y:	0.4020
CIE z:	0.1776
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	581
Purity:	46.84629
Rf:	85.8
Rg:	97.6

CRI (Ra):	83.9
R1:	82.0
R2:	89.5
R3:	96.9
R4:	84.3
R5:	82.6
R6:	87.7
R7:	85.4
R8:	62.6
R9:	9.4
R10:	76.7
R11:	85.1
R12:	73.1
R13:	83.6
R14:	98.3
R15:	74.0



Test Conditions

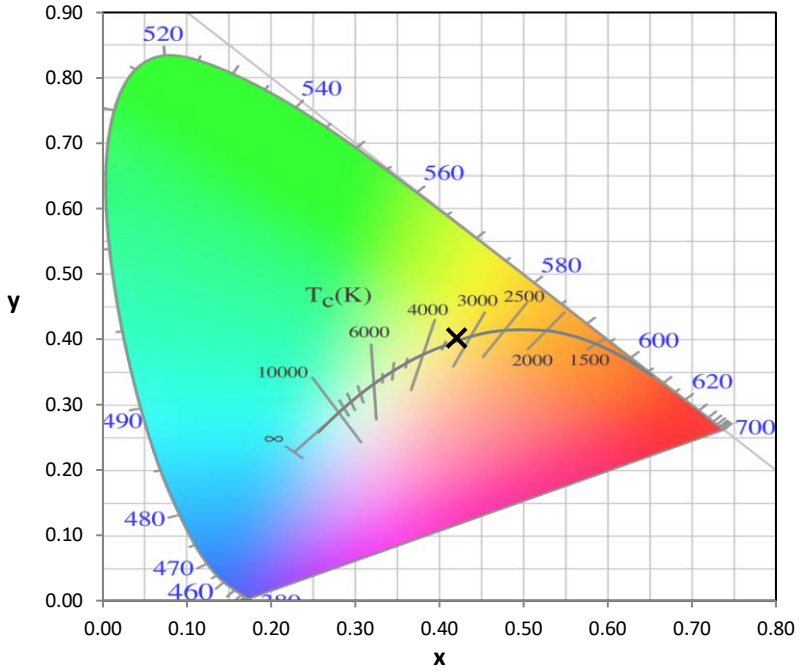
Stabilization Time:	31M
Operation Time:	1H 31M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-7

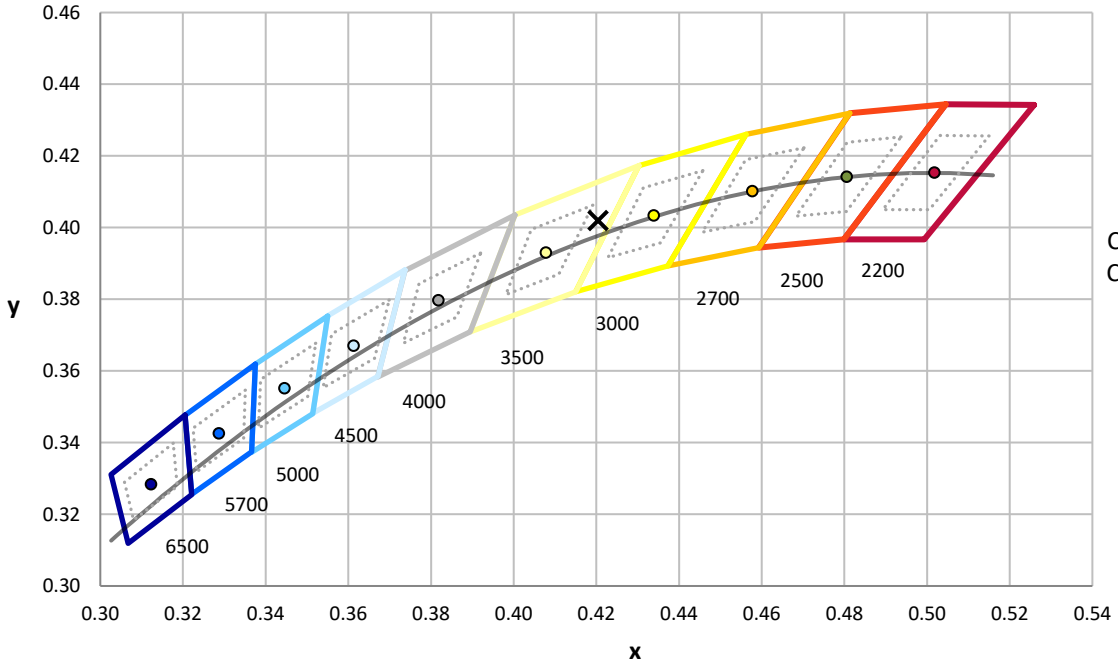
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	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: SP1-2509-539-7

CIE 1931 Chromaticity Diagram



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

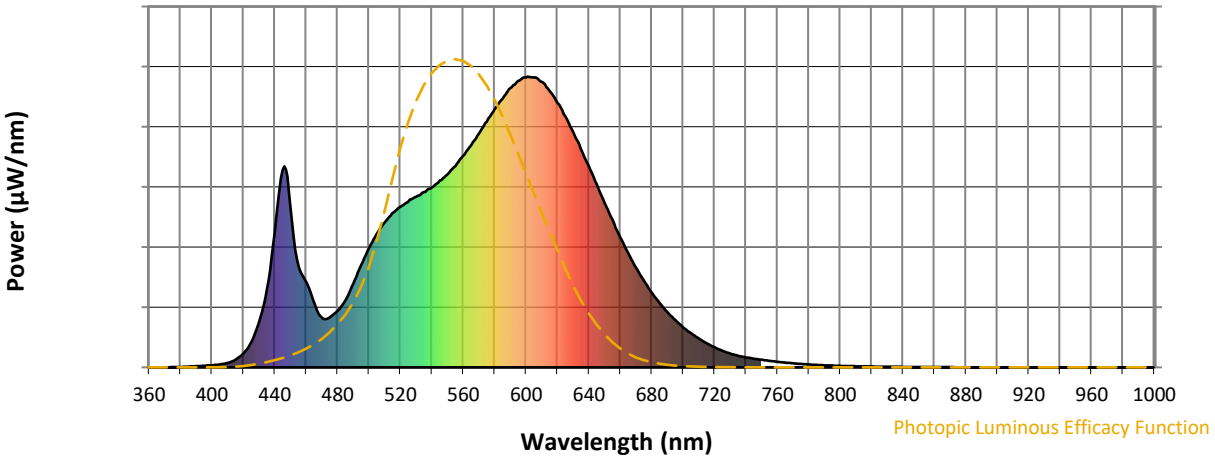


CCT = 3281K
CIE x = 0.4204
CIE y = 0.4020
Duv = 0.0018

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2509-539-7

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	288	NR	620	909	NR	750	26	NR	880	0	NR
365	0	NR	495	351	NR	625	864	NR	755	22	NR	885	0	NR
370	0	NR	500	411	NR	630	809	NR	760	19	NR	890	0	NR
375	1	NR	505	459	NR	635	750	NR	765	16	NR	895	0	NR
380	2	NR	510	498	NR	640	691	NR	770	14	NR	900	0	NR
385	3	NR	515	530	NR	645	629	NR	775	12	NR	905	0	NR
390	4	NR	520	553	NR	650	566	NR	780	10	NR	910	0	NR
395	5	NR	525	569	NR	655	507	NR	785	8	NR	915	0	NR
400	7	NR	530	586	NR	660	447	NR	790	7	NR	920	0	NR
405	10	NR	535	603	NR	665	393	NR	795	6	NR	925	0	NR
410	16	NR	540	619	NR	670	343	NR	800	5	NR	930	0	NR
415	27	NR	545	642	NR	675	298	NR	805	4	NR	935	0	NR
420	48	NR	550	663	NR	680	257	NR	810	4	NR	940	0	NR
425	87	NR	555	692	NR	685	221	NR	815	3	NR	945	0	NR
430	155	NR	560	728	NR	690	190	NR	820	3	NR	950	0	NR
435	270	NR	565	763	NR	695	163	NR	825	2	NR	955	0	NR
440	462	NR	570	804	NR	700	138	NR	830	2	NR	960	0	NR
445	679	NR	575	845	NR	705	117	NR	835	2	NR	965	0	NR
450	553	NR	580	886	NR	710	99	NR	840	2	NR	970	0	NR
455	351	NR	585	924	NR	715	82	NR	845	1	NR	975	0	NR
460	295	NR	590	960	NR	720	69	NR	850	1	NR	980	0	NR
465	223	NR	595	985	NR	725	57	NR	855	1	NR	985	0	NR
470	170	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	171	NR	605	997	NR	735	40	NR	865	1	NR	995	0	NR
480	195	NR	610	982	NR	740	34	NR	870	1	NR	1000	0	NR
485	230	NR	615	951	NR	745	30	NR	875	1	NR			

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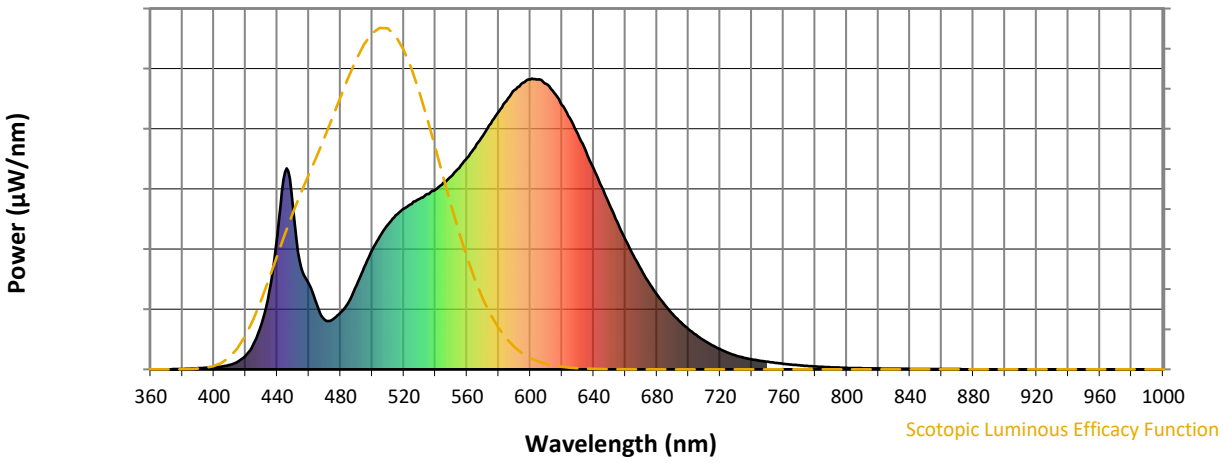
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.44**

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	288	NR	620	909	NR	750	26	NR	880	0	NR
365	0	NR	495	351	NR	625	864	NR	755	22	NR	885	0	NR
370	0	NR	500	411	NR	630	809	NR	760	19	NR	890	0	NR
375	1	NR	505	459	NR	635	750	NR	765	16	NR	895	0	NR
380	2	NR	510	498	NR	640	691	NR	770	14	NR	900	0	NR
385	3	NR	515	530	NR	645	629	NR	775	12	NR	905	0	NR
390	4	NR	520	553	NR	650	566	NR	780	10	NR	910	0	NR
395	5	NR	525	569	NR	655	507	NR	785	8	NR	915	0	NR
400	7	NR	530	586	NR	660	447	NR	790	7	NR	920	0	NR
405	10	NR	535	603	NR	665	393	NR	795	6	NR	925	0	NR
410	16	NR	540	619	NR	670	343	NR	800	5	NR	930	0	NR
415	27	NR	545	642	NR	675	298	NR	805	4	NR	935	0	NR
420	48	NR	550	663	NR	680	257	NR	810	4	NR	940	0	NR
425	87	NR	555	692	NR	685	221	NR	815	3	NR	945	0	NR
430	155	NR	560	728	NR	690	190	NR	820	3	NR	950	0	NR
435	270	NR	565	763	NR	695	163	NR	825	2	NR	955	0	NR
440	462	NR	570	804	NR	700	138	NR	830	2	NR	960	0	NR
445	679	NR	575	845	NR	705	117	NR	835	2	NR	965	0	NR
450	553	NR	580	886	NR	710	99	NR	840	2	NR	970	0	NR
455	351	NR	585	924	NR	715	82	NR	845	1	NR	975	0	NR
460	295	NR	590	960	NR	720	69	NR	850	1	NR	980	0	NR
465	223	NR	595	985	NR	725	57	NR	855	1	NR	985	0	NR
470	170	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	171	NR	605	997	NR	735	40	NR	865	1	NR	995	0	NR
480	195	NR	610	982	NR	740	34	NR	870	1	NR	1000	0	NR
485	230	NR	615	951	NR	745	30	NR	875	1	NR			

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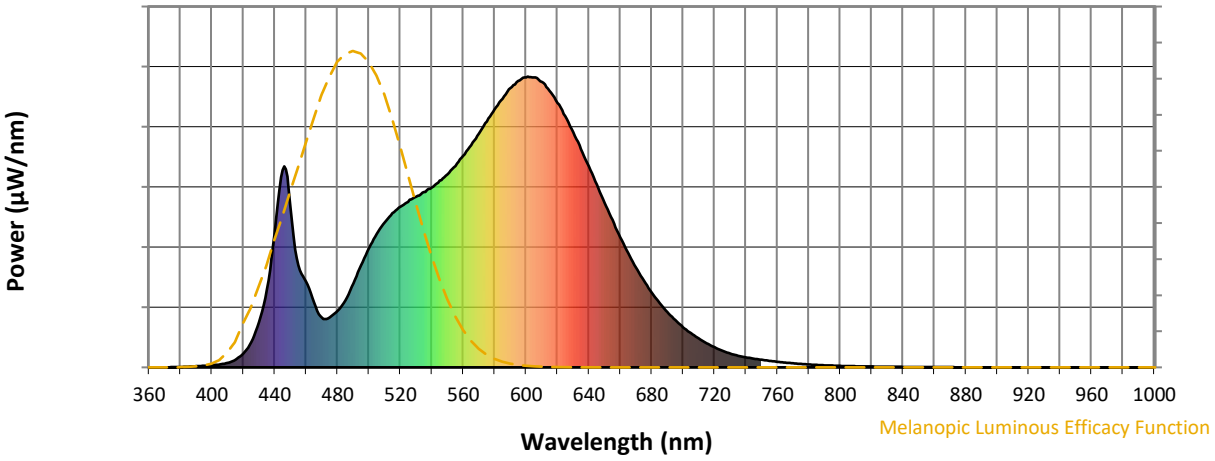
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.79**

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	288	NR	620	909	NR	750	26	NR	880	0	NR
365	0	NR	495	351	NR	625	864	NR	755	22	NR	885	0	NR
370	0	NR	500	411	NR	630	809	NR	760	19	NR	890	0	NR
375	1	NR	505	459	NR	635	750	NR	765	16	NR	895	0	NR
380	2	NR	510	498	NR	640	691	NR	770	14	NR	900	0	NR
385	3	NR	515	530	NR	645	629	NR	775	12	NR	905	0	NR
390	4	NR	520	553	NR	650	566	NR	780	10	NR	910	0	NR
395	5	NR	525	569	NR	655	507	NR	785	8	NR	915	0	NR
400	7	NR	530	586	NR	660	447	NR	790	7	NR	920	0	NR
405	10	NR	535	603	NR	665	393	NR	795	6	NR	925	0	NR
410	16	NR	540	619	NR	670	343	NR	800	5	NR	930	0	NR
415	27	NR	545	642	NR	675	298	NR	805	4	NR	935	0	NR
420	48	NR	550	663	NR	680	257	NR	810	4	NR	940	0	NR
425	87	NR	555	692	NR	685	221	NR	815	3	NR	945	0	NR
430	155	NR	560	728	NR	690	190	NR	820	3	NR	950	0	NR
435	270	NR	565	763	NR	695	163	NR	825	2	NR	955	0	NR
440	462	NR	570	804	NR	700	138	NR	830	2	NR	960	0	NR
445	679	NR	575	845	NR	705	117	NR	835	2	NR	965	0	NR
450	553	NR	580	886	NR	710	99	NR	840	2	NR	970	0	NR
455	351	NR	585	924	NR	715	82	NR	845	1	NR	975	0	NR
460	295	NR	590	960	NR	720	69	NR	850	1	NR	980	0	NR
465	223	NR	595	985	NR	725	57	NR	855	1	NR	985	0	NR
470	170	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	171	NR	605	997	NR	735	40	NR	865	1	NR	995	0	NR
480	195	NR	610	982	NR	740	34	NR	870	1	NR	1000	0	NR
485	230	NR	615	951	NR	745	30	NR	875	1	NR			

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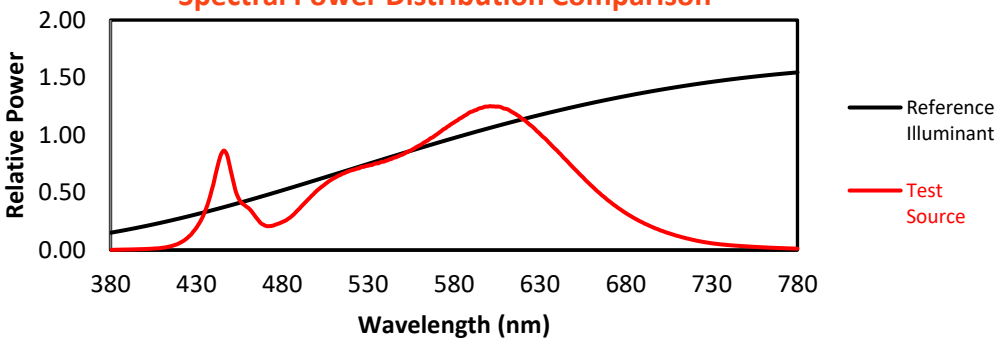
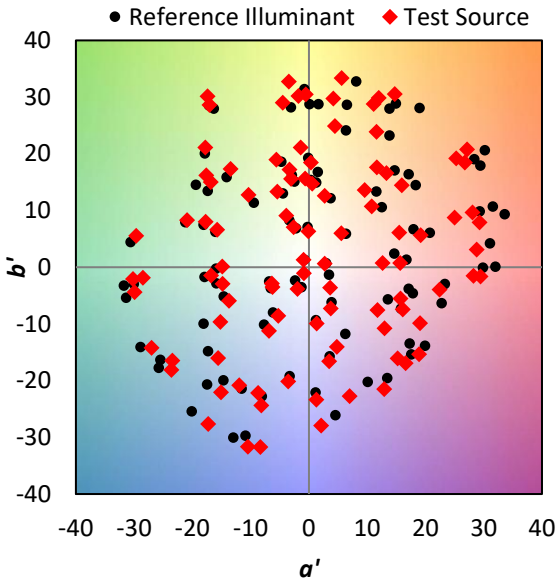
Summary

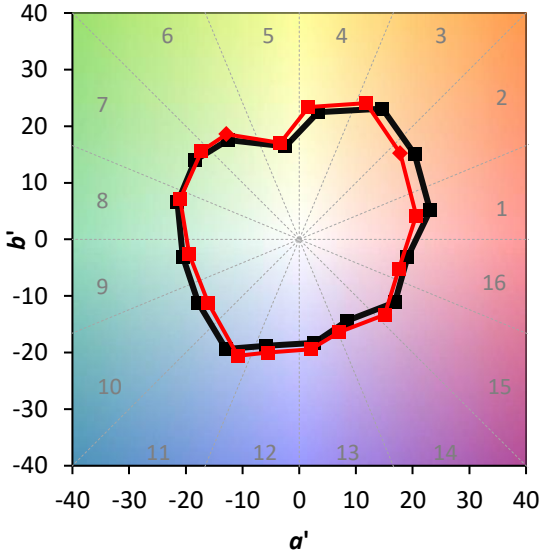
R_f = 85.8
R_g = 97.6
CIE R_a = 83.9
R_9 = 9.4

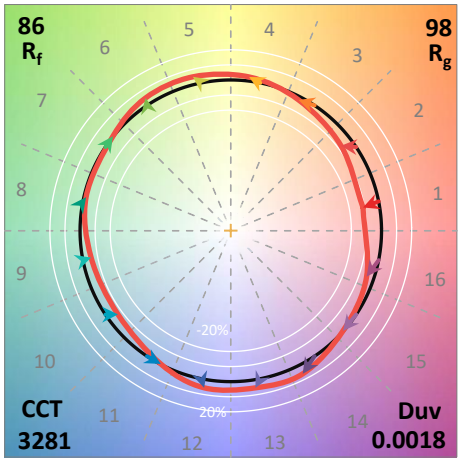
Spectral Power Distribution Comparison

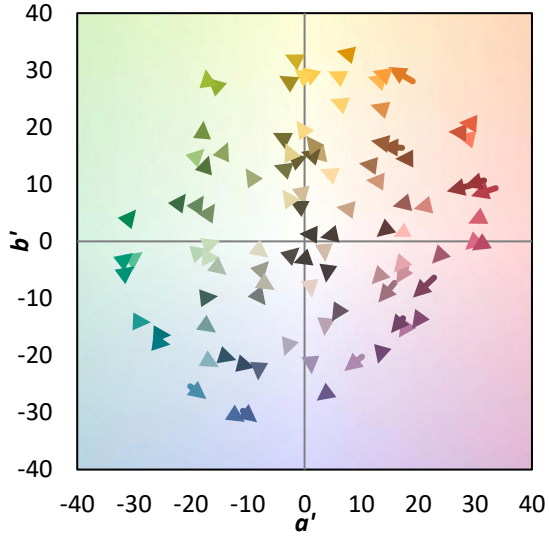


Color Vector Graphics









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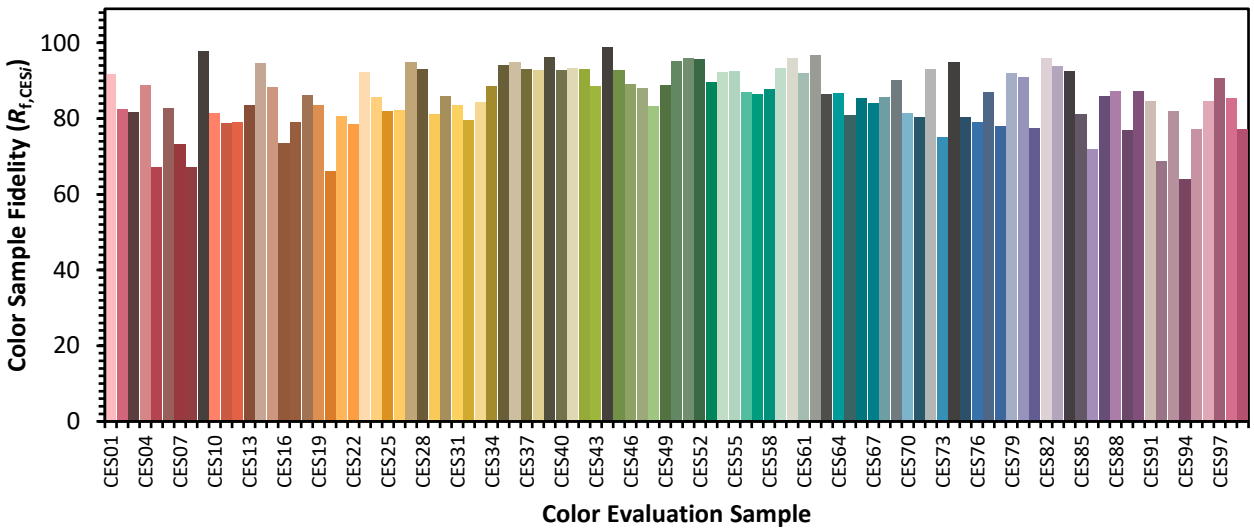
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 82	CES51 = 96	CES76 = 79
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 93	CES53 = 90	CES78 = 78
CES04 = 70	CES29 = 81	CES54 = 92	CES79 = 92
CES05 = 49	CES30 = 86	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 84	CES56 = 87	CES81 = 77
CES07 = 42	CES32 = 80	CES57 = 86	CES82 = 96
CES08 = 40	CES33 = 84	CES58 = 88	CES83 = 94
CES09 = 29	CES34 = 89	CES59 = 93	CES84 = 93
CES10 = 75	CES35 = 94	CES60 = 96	CES85 = 81
CES11 = 58	CES36 = 95	CES61 = 92	CES86 = 72
CES12 = 64	CES37 = 93	CES62 = 97	CES87 = 86
CES13 = 43	CES38 = 93	CES63 = 87	CES88 = 87
CES14 = 74	CES39 = 96	CES64 = 87	CES89 = 77
CES15 = 71	CES40 = 93	CES65 = 81	CES90 = 87
CES16 = 47	CES41 = 93	CES66 = 85	CES91 = 85
CES17 = 50	CES42 = 93	CES67 = 84	CES92 = 69
CES18 = 56	CES43 = 89	CES68 = 86	CES93 = 82
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 93	CES70 = 81	CES95 = 77
CES21 = 86	CES46 = 89	CES71 = 80	CES96 = 85
CES22 = 79	CES47 = 88	CES72 = 93	CES97 = 91
CES23 = 92	CES48 = 83	CES73 = 75	CES98 = 85
CES24 = 91	CES49 = 89	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 95	CES75 = 80	



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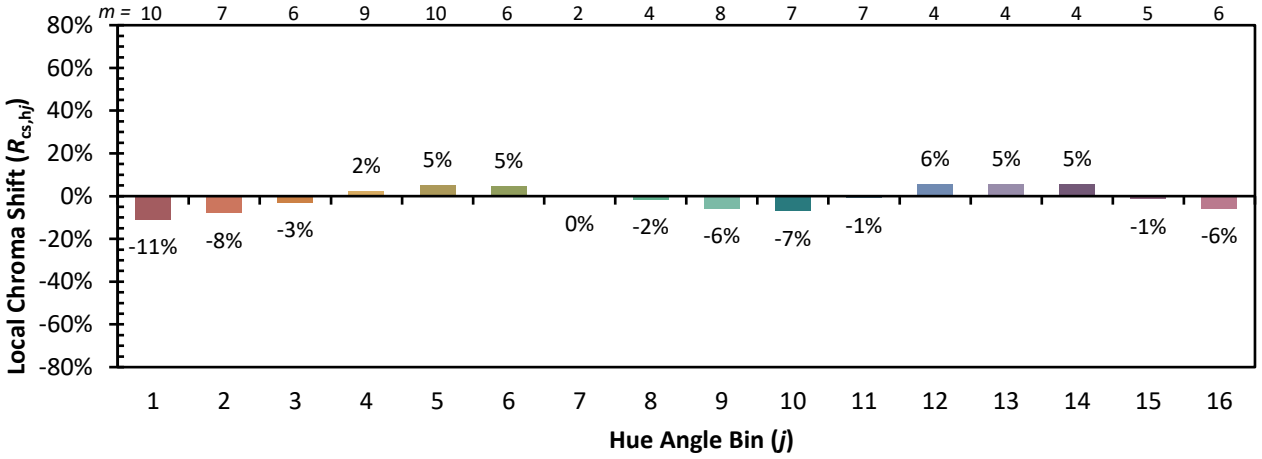
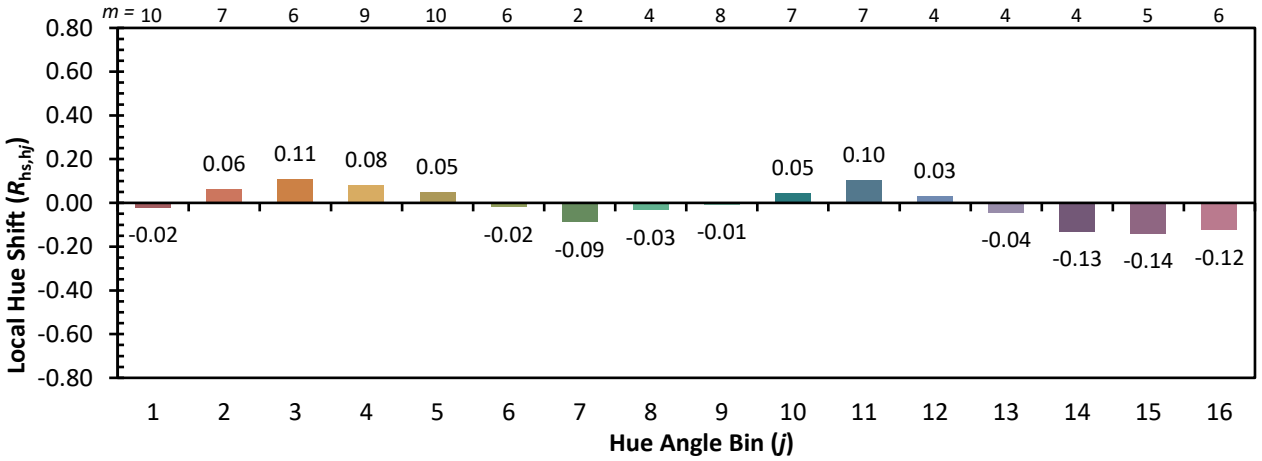
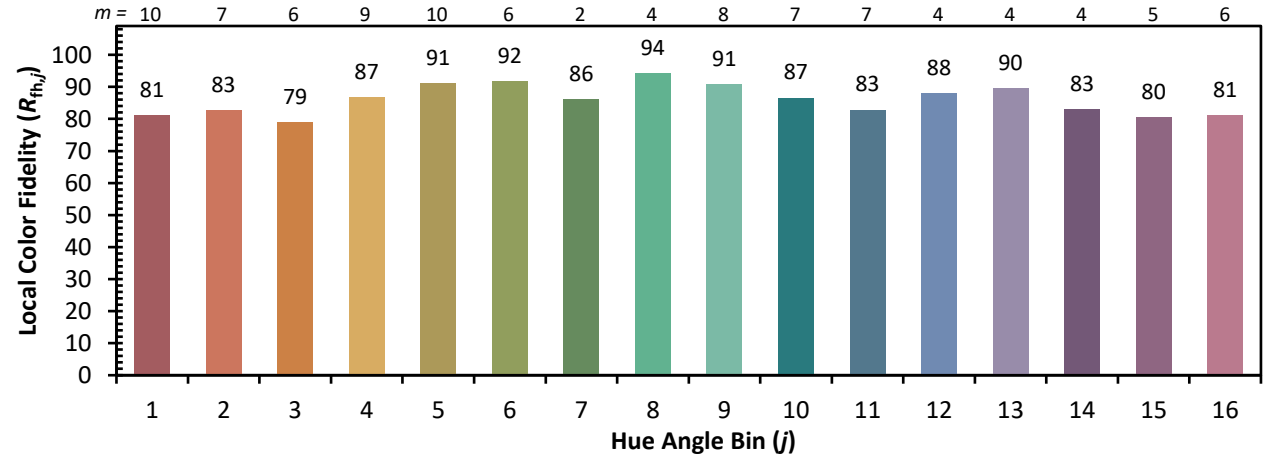
Color Rendition by Hue-Angle Bin







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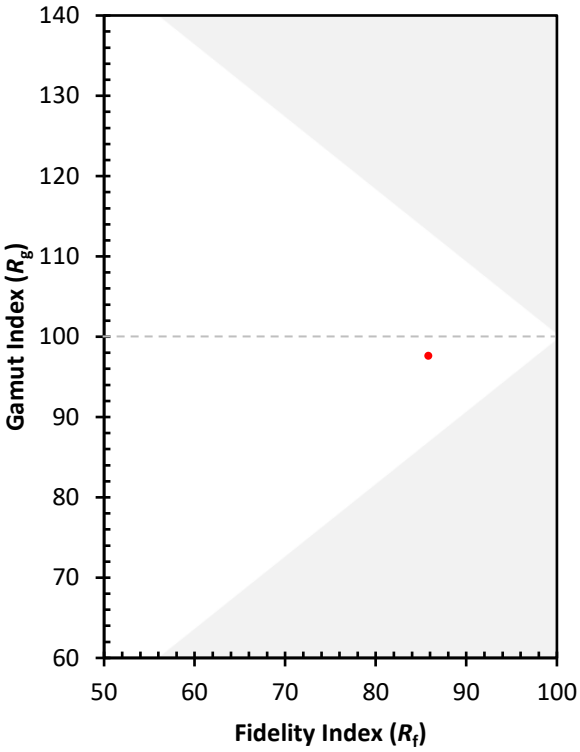
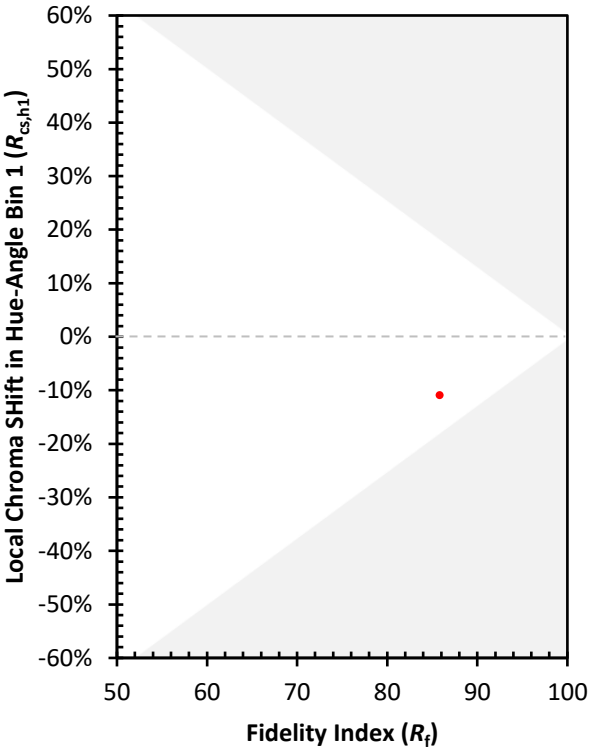
Measure Comparisons





(END OF REPORT)