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: P1442100

Luminaire Tested: LXB-C1-840-X-U-S-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:	P1442100
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2509-539-25)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	4/24/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	INVUE
Catalog Number:	LXB-C1-840-X-U-S-GM
Description:	LuxeScape OUTDOOR ARCHITECTURAL BOLLARD LUMINAIRE
	SYMMETRIC OPTIC, GRAPHITE METALLIC PAINTED FINISH
Light Source:	2200K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	849.7 lumens
Efficiency:	N/A
Efficacy:	54.8 lumens/watt
Luminous Opening:	Circular (Dia: 0.4' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

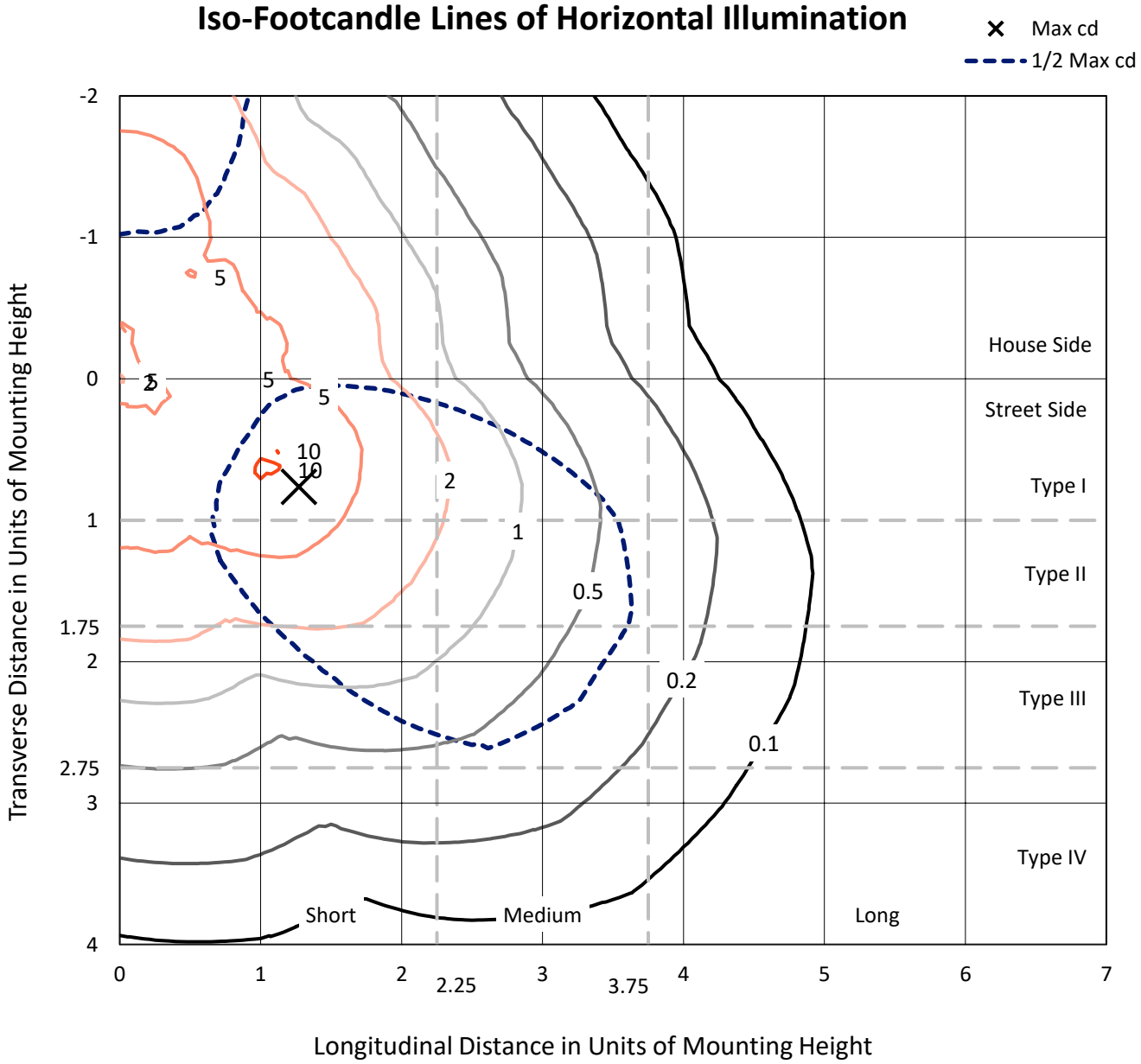
Input Watts (W):	15.5
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.9882
Total Harmonic Distortion (THDi):	0.0873224
Frequency (hertz):	60
Stabilization Time:	0.5 HR
Operation Time:	3 HR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1442100
CATALOG NUMBER: LXB-C1-840-X-U-S-GM

Iso-Footcandle Lines of Horizontal Illumination



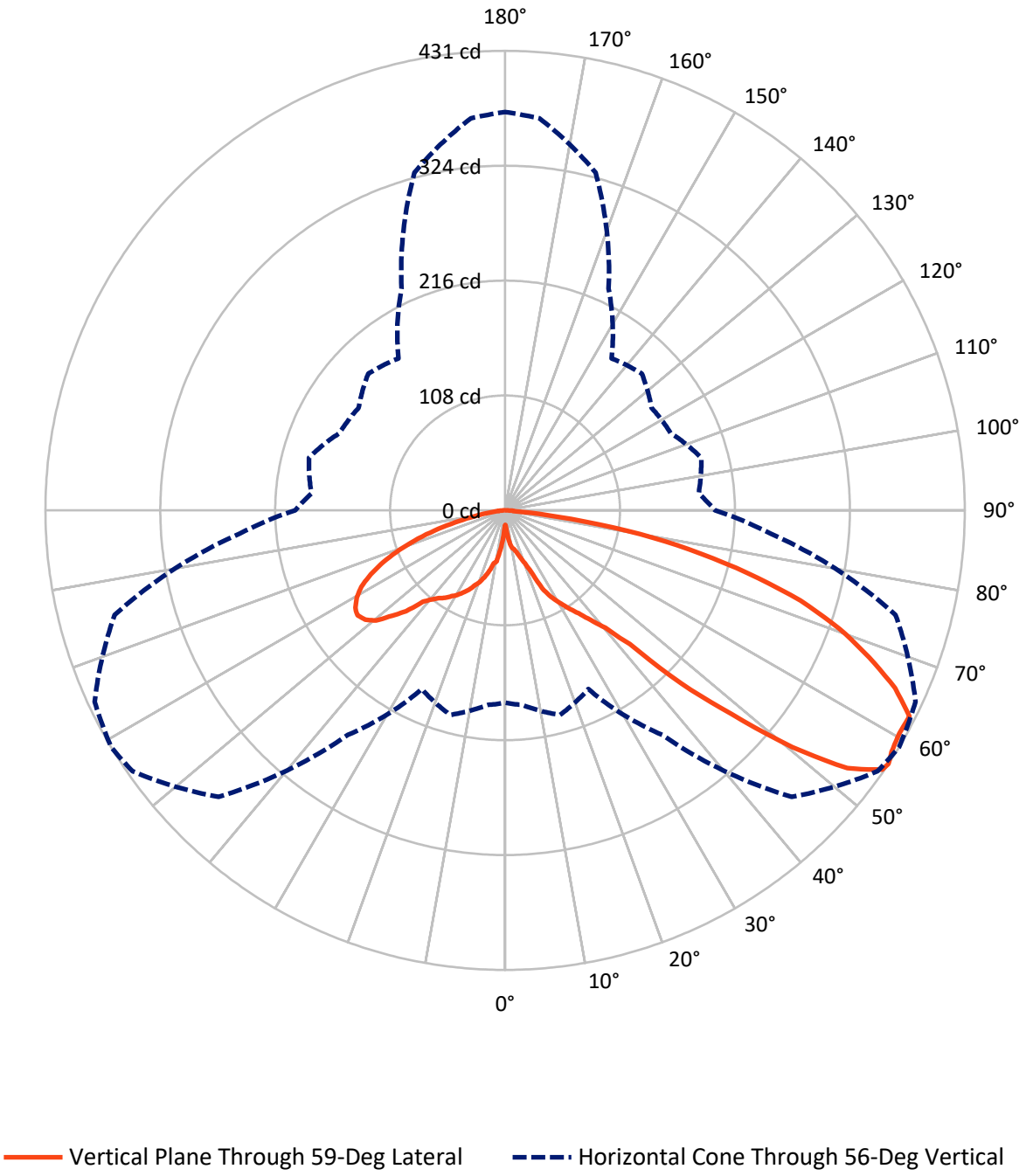
Based on 3 foot mounting height. Maximum calculated value = 10.2 fc
Type III - Short - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1442100
CATALOG NUMBER: LXB-C1-840-X-U-S-GM

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

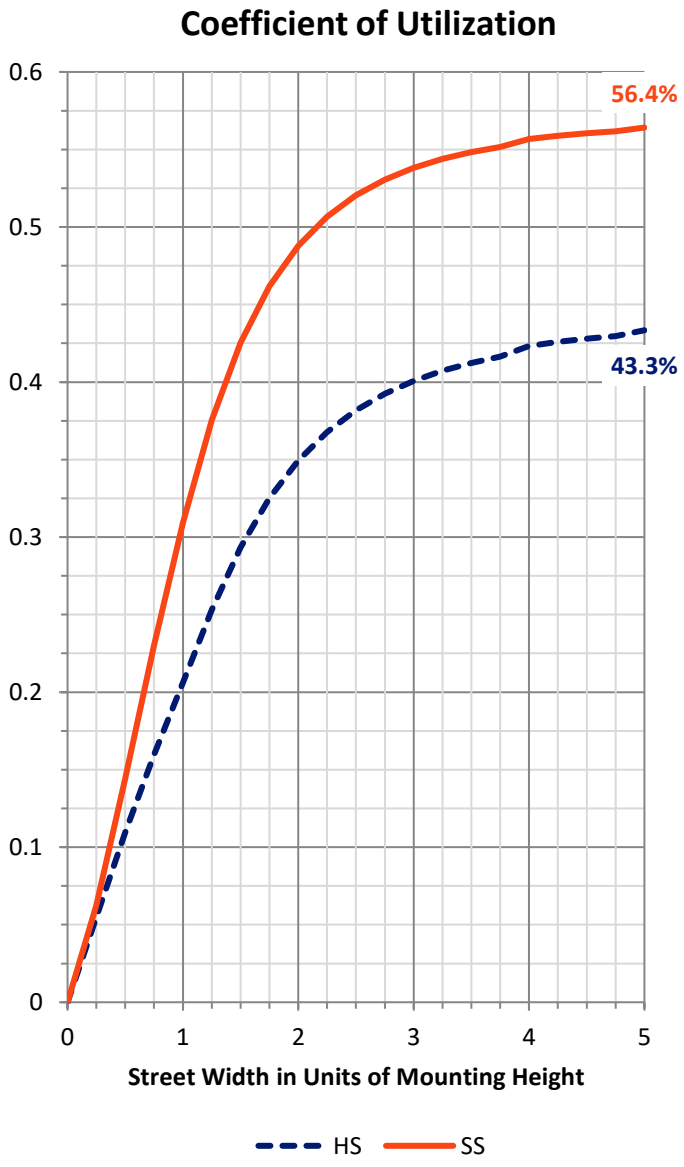
REPORT NUMBER: P1442100
CATALOG NUMBER: LXB-C1-840-X-U-S-GM

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	368.9	0.0	368.9
	% Fixture	43.4	0.0	43.4
Street Side	Lumens	480.8	0.0	480.8
	% Fixture	56.6	0.0	56.6
Total	Lumens	849.7	0.0	849.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.4
10°-20°	15.0	1.8
20°-30°	35.5	4.2
30°-40°	64.5	7.6
40°-50°	127.6	15.0
50°-60°	225.6	26.5
60°-70°	226.9	26.7
70°-80°	133.5	15.7
80°-90°	18.0	2.1
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°	849.7	100.0
0°-180°	849.7	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

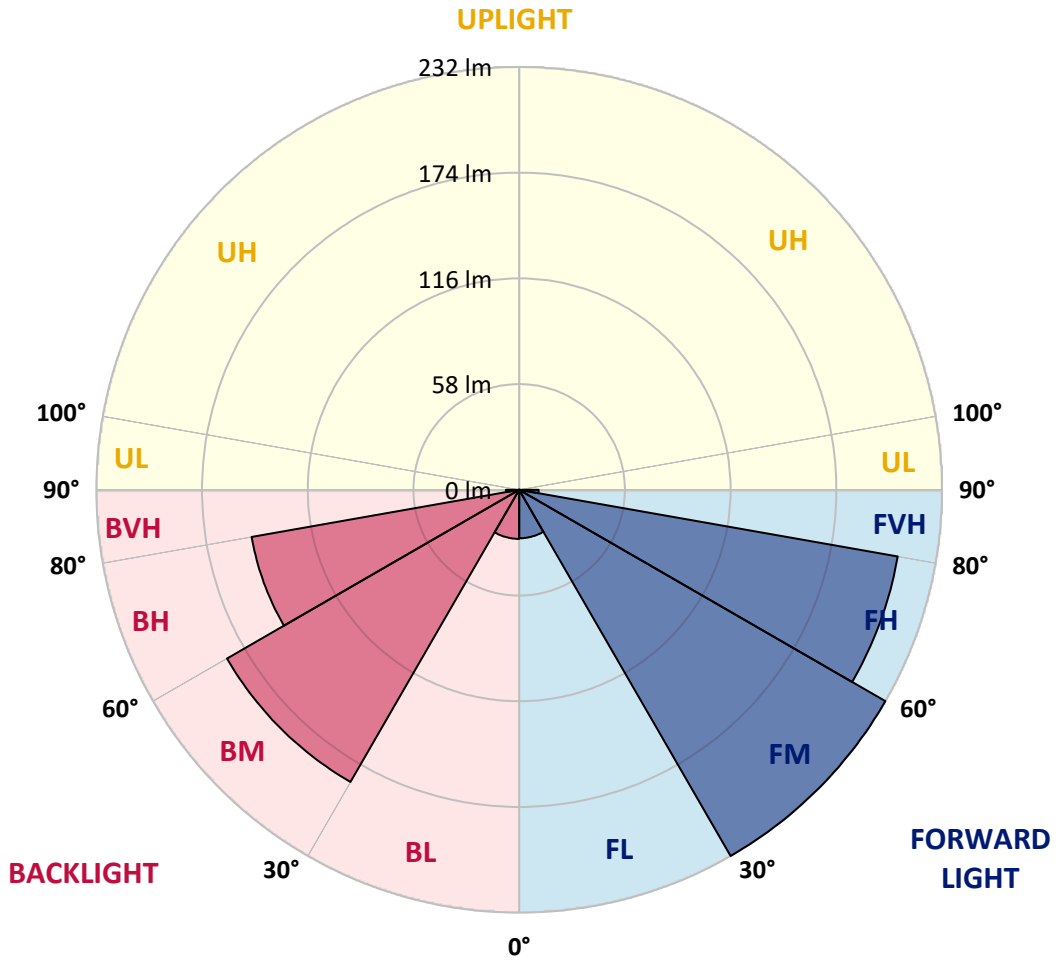
Scaled Data Report

REPORT NUMBER: P1442100
CATALOG NUMBER: LXB-C1-840-X-U-S-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	26.6	3.1			
FM	(30°-60°)	232.3	27.3			
FH	(60°-80°)	211.2	24.9			G0/660
FVH	(80°-90°)	10.7	1.3			G1/100
BL	(0°-30°)	27.0	3.2	B0/110		
BM	(30°-60°)	185.3	21.8	B0/220		
BH	(60°-80°)	149.3	17.6	B1/500		G1/500
BVH	(80°-90°)	7.3	0.9			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



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1442100
CATALOG NUMBER: LXB-C1-840-X-U-S-GM

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	*13.7*	13.7	13.7	13.7
2.5°	19.2	18.2	17.3	17.3	16.4	16.4	15.5	*15.5*	15.5	16.4	18.2
5°	31.0	31.0	26.4	23.7	23.7	23.7	23.7	*22.8*	23.7	23.7	26.4
7.5°	42.9	39.2	40.1	36.5	34.7	33.7	31.9	*31.0*	30.1	32.8	36.5
10°	46.5	46.5	47.4	47.4	42.0	37.4	36.5	*35.6*	35.6	36.5	39.2
12.5°	50.2	52.9	53.8	52.9	47.4	41.0	38.3	*37.4*	37.4	41.0	45.6
15°	61.1	58.4	60.2	57.5	53.8	45.6	42.0	*41.0*	42.0	45.6	50.2
17.5°	68.4	69.3	65.7	60.2	56.5	51.1	47.4	*46.5*	45.6	48.3	56.5
20°	74.8	74.8	72.0	65.7	61.1	54.7	52.9	*52.9*	52.9	53.8	58.4
22.5°	81.2	81.2	78.4	71.1	65.7	59.3	60.2	*62.0*	59.3	59.3	63.8
25°	86.6	86.6	83.0	75.7	72.0	70.2	77.5	*81.2*	76.6	69.3	71.1
27.5°	93.0	92.1	89.4	81.2	78.4	82.1	90.3	*92.1*	91.2	80.3	78.4
30°	96.7	96.7	94.8	87.6	84.8	91.2	99.4	*100.3*	99.4	91.2	83.0
32.5°	101.2	100.3	99.4	91.2	90.3	99.4	108.5	*109.4*	108.5	100.3	89.4
35°	105.8	104.0	104.0	95.8	94.8	109.4	116.7	*118.6*	117.6	108.5	94.8
37.5°	111.3	108.5	108.5	100.3	103.1	120.4	128.6	*130.4*	128.6	118.6	102.1
40°	117.6	114.0	113.1	105.8	110.4	134.1	143.2	*145.0*	142.3	132.2	109.4
42.5°	126.8	122.2	124.0	114.9	124.9	156.9	170.5	*171.5*	166.9	155.0	124.0
45°	145.9	142.3	149.6	138.6	154.1	207.0	228.0	*231.6*	225.3	201.6	153.2
47.5°	158.7	156.0	164.2	153.2	180.6	255.4	280.0	*285.5*	275.4	251.7	180.6
50°	172.4	172.4	184.2	173.3	218.0	313.7	343.8	*349.3*	342.0	316.5	215.2
52.5°	177.8	179.7	196.1	184.2	242.6	352.9	395.8	*402.2*	395.8	354.8	237.1
55°	180.6	183.3	199.7	186.0	254.4	375.7	424.1	*429.6*	422.3	375.7	247.2
56°	*180.6*	*183.3*	*198.8*	*185.1*	*257.2*	*380.3*	*426.8*	*431.4*	*425.0*	*379.4*	*249.9*
57.5°	177.8	182.4	196.1	182.4	258.1	383.0	427.7	*427.7*	425.9	383.0	252.6
60°	170.5	176.0	187.9	174.2	256.3	381.2	424.1	*425.0*	424.1	384.0	252.6
62.5°	160.5	166.0	178.8	165.1	250.8	373.0	423.2	*425.9*	423.2	375.7	245.3
65°	145.9	152.3	163.2	150.5	237.1	357.5	401.3	*402.2*	400.4	356.6	230.7
67.5°	129.5	135.0	145.9	134.1	220.7	333.8	370.3	*368.4*	368.4	329.2	212.5
70°	110.4	115.8	125.9	114.9	199.7	301.0	332.9	*332.9*	332.9	296.4	188.8
72.5°	88.5	93.9	104.0	94.8	173.3	259.9	288.2	*290.0*	290.0	255.4	160.5
75°	66.6	71.1	79.3	73.9	140.4	212.5	235.3	*235.3*	238.0	208.8	127.7
77.5°	44.7	48.3	54.7	52.0	104.0	163.2	178.8	*176.9*	181.5	157.8	92.1
80°	25.5	28.3	31.9	31.0	63.8	105.8	115.8	*116.7*	119.5	100.3	53.8
82.5°	12.8	13.7	15.5	14.6	26.4	46.5	52.0	*49.2*	55.6	41.0	20.1
85°	5.5	5.5	6.4	3.6	6.4	8.2	9.1	*8.2*	9.1	8.2	5.5
87.5°	3.6	4.6	4.6	1.8	4.6	5.5	6.4	*6.4*	6.4	5.5	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1442100
CATALOG NUMBER: LXB-C1-840-X-U-S-GM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
2.5°	17.3	18.2	19.2	16.4	17.3	18.2	18.2	17.3	17.3	16.4	16.4
5°	26.4	26.4	27.4	29.2	27.4	26.4	26.4	24.6	26.4	22.8	22.8
7.5°	33.7	34.7	37.4	38.3	37.4	41.0	37.4	35.6	35.6	33.7	33.7
10°	40.1	42.0	45.6	46.5	50.2	46.5	45.6	41.0	40.1	38.3	38.3
12.5°	47.4	48.3	49.2	51.1	50.2	51.1	50.2	45.6	41.0	38.3	38.3
15°	52.9	53.8	56.5	60.2	57.5	56.5	56.5	52.9	47.4	42.0	41.0
17.5°	56.5	60.2	62.9	65.7	64.8	62.9	60.2	57.5	49.2	46.5	45.6
20°	61.1	63.8	71.1	72.0	71.1	68.4	65.7	60.2	53.8	51.1	51.1
22.5°	65.7	70.2	76.6	77.5	74.8	73.0	72.0	64.8	59.3	56.5	58.4
25°	72.0	74.8	80.3	81.2	82.1	77.5	77.5	71.1	67.5	70.2	72.0
27.5°	77.5	80.3	85.7	86.6	86.6	82.1	81.2	77.5	77.5	80.3	83.0
30°	83.9	84.8	91.2	91.2	91.2	86.6	84.8	82.1	83.9	88.5	91.2
32.5°	87.6	90.3	94.8	96.7	93.9	91.2	89.4	87.6	91.2	97.6	99.4
35°	91.2	93.9	98.5	101.2	98.5	96.7	93.0	92.1	99.4	105.8	107.6
37.5°	96.7	98.5	103.1	104.9	102.1	101.2	96.7	98.5	110.4	115.8	119.5
40°	101.2	103.1	107.6	109.4	107.6	106.7	101.2	105.8	122.2	129.5	132.2
42.5°	110.4	112.2	117.6	115.8	114.9	114.9	108.5	117.6	141.4	147.7	153.2
45°	134.1	135.0	141.4	133.2	132.2	136.8	129.5	145.0	184.2	194.3	204.3
47.5°	150.5	147.7	156.9	145.9	144.1	148.7	141.4	165.1	225.3	234.4	248.1
50°	174.2	168.7	176.0	161.4	157.8	167.8	161.4	199.7	275.4	291.8	301.9
52.5°	188.8	181.5	188.8	168.7	165.1	178.8	171.5	218.0	302.8	330.1	342.0
55°	196.1	183.3	192.4	171.5	168.7	183.3	174.2	228.0	323.8	363.9	372.1
56°	*197.0*	*182.4*	*190.6*	*171.5*	*167.8*	*181.5*	*174.2*	*229.8*	*328.3*	*369.4*	*373.9*
57.5°	195.2	178.8	187.9	169.6	166.0	178.8	171.5	231.6	331.1	370.3	373.0
60°	190.6	173.3	181.5	164.2	159.6	172.4	165.1	230.7	330.1	367.5	369.4
62.5°	183.3	164.2	173.3	155.0	151.4	164.2	156.0	226.2	324.7	365.7	369.4
65°	170.5	151.4	158.7	142.3	137.7	149.6	143.2	212.5	309.2	351.1	352.9
67.5°	154.1	135.0	141.4	126.8	122.2	134.1	127.7	195.2	286.4	323.8	321.0
70°	136.8	116.7	122.2	108.5	104.0	115.8	109.4	174.2	257.2	290.0	285.5
72.5°	115.8	96.7	101.2	88.5	83.9	94.8	91.2	149.6	223.4	251.7	248.1
75°	93.0	75.7	77.5	66.6	63.8	73.0	71.1	119.5	180.6	203.4	200.6
77.5°	67.5	53.8	53.8	45.6	42.9	51.1	50.2	86.6	133.2	150.5	145.9
80°	41.0	32.8	31.9	27.4	25.5	31.0	30.1	52.0	82.1	93.9	88.5
82.5°	18.2	16.4	15.5	13.7	12.8	14.6	13.7	21.0	32.8	40.1	33.7
85°	4.6	5.5	6.4	6.4	6.4	6.4	4.6	6.4	8.2	9.1	9.1
87.5°	2.7	2.7	4.6	4.6	4.6	4.6	2.7	4.6	6.4	7.3	7.3
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

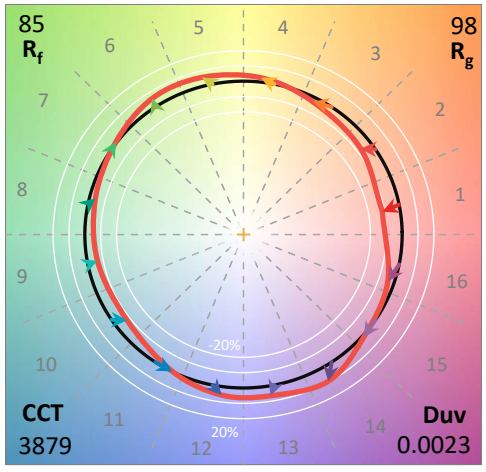
Test Information

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



Test Conditions

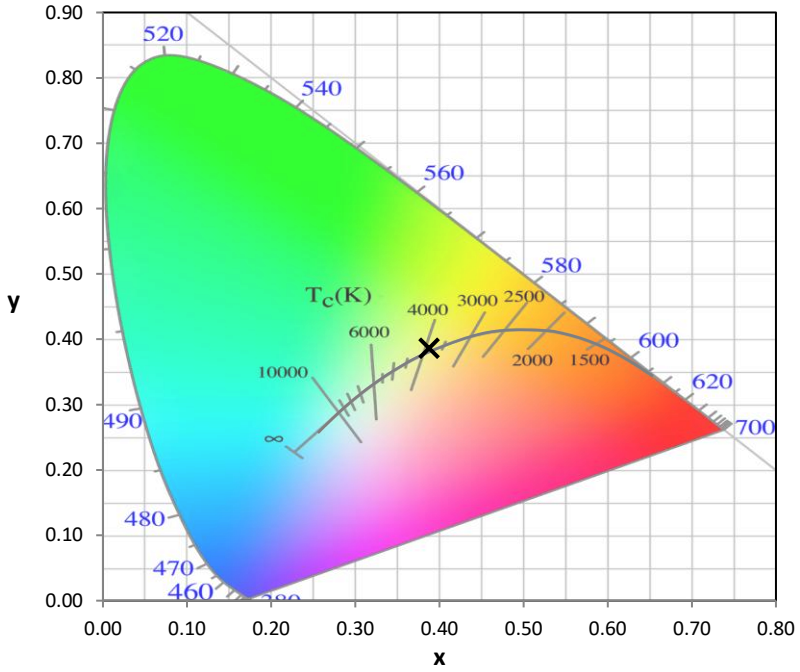
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-8

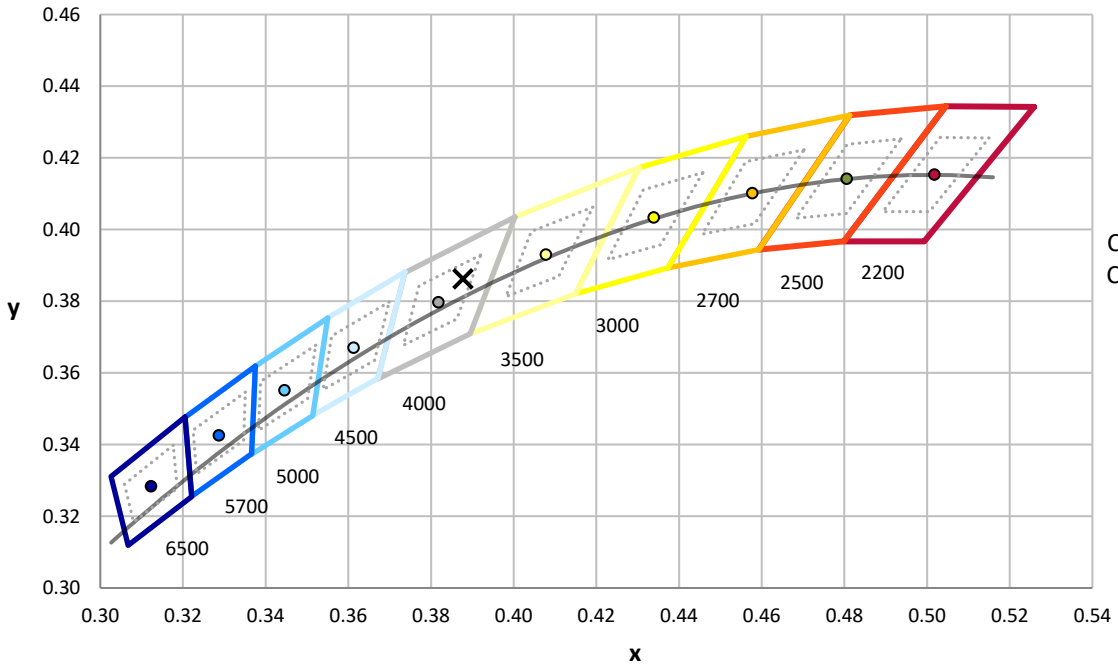
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

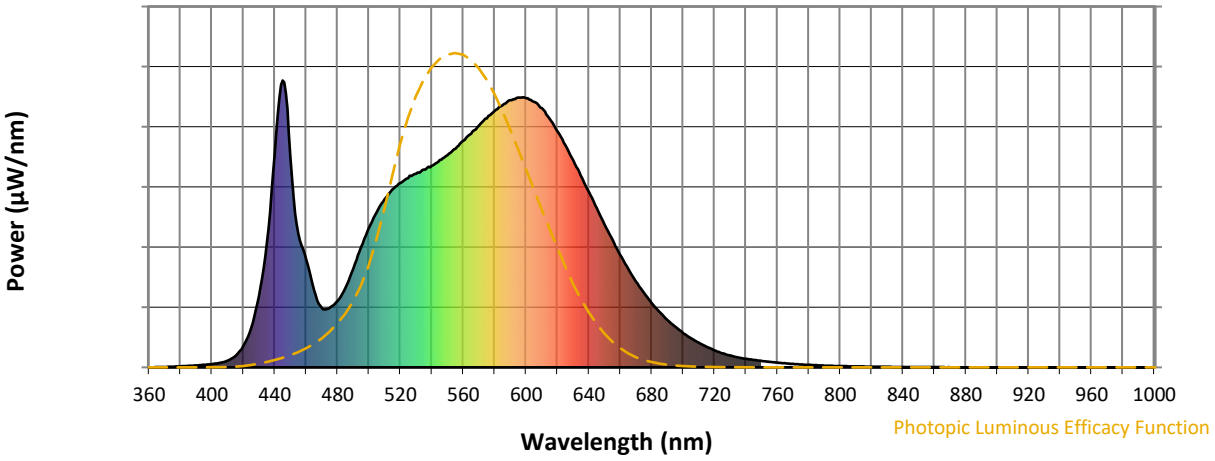


CCT = 3879K
CIE x = 0.3878
CIE y = 0.3863
Duv = 0.0023

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2509-539-8

Photopic Flux vs. Wavelength

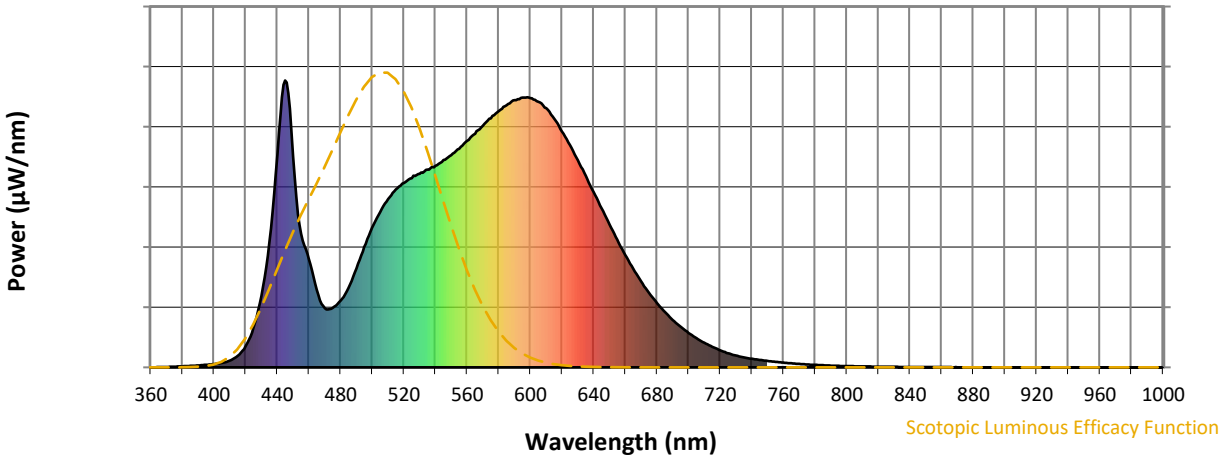


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2509-539-8

Scotopic Flux vs. Wavelength

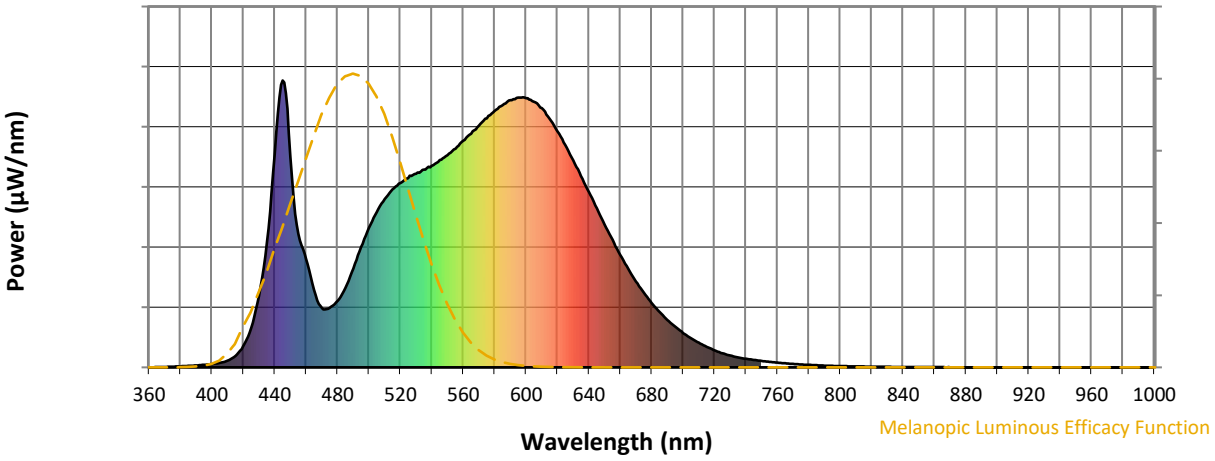


Scotopic Lumens: NR **S/P: 1.63**

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			

REPORT NUMBER: SP1-2509-539-8

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			

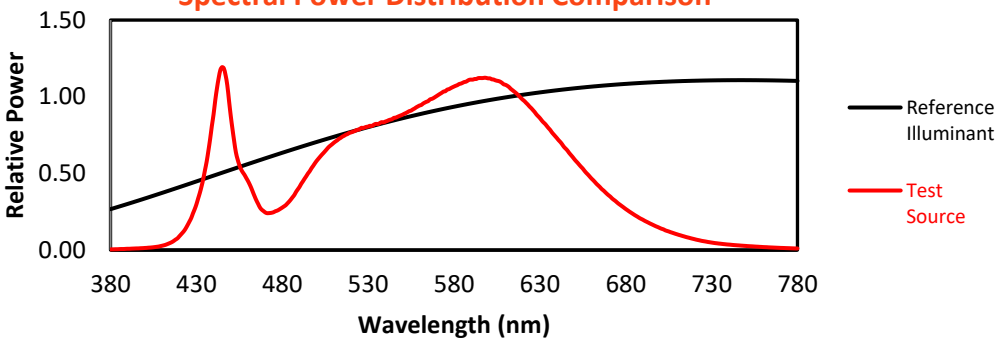
REPORT NUMBER: SP1-2509-539-8

TM-30-18

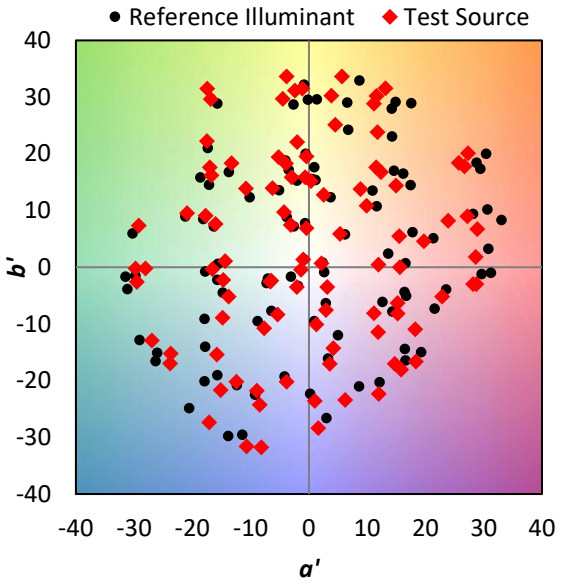
Summary

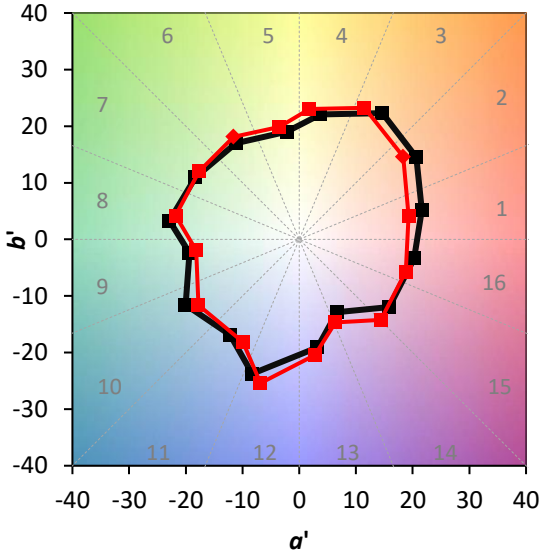
R_f = 84.8
R_g = 97.9
CIE R_a = 83.0
R_9 = 8.2

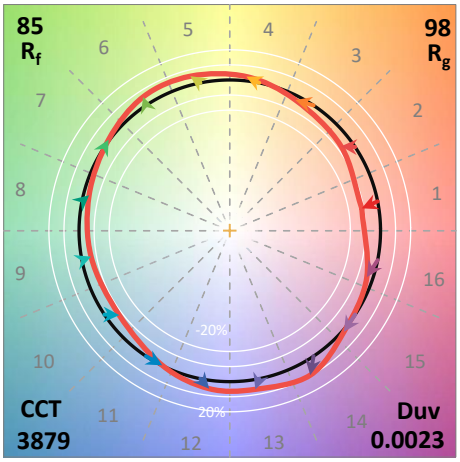
Spectral Power Distribution Comparison

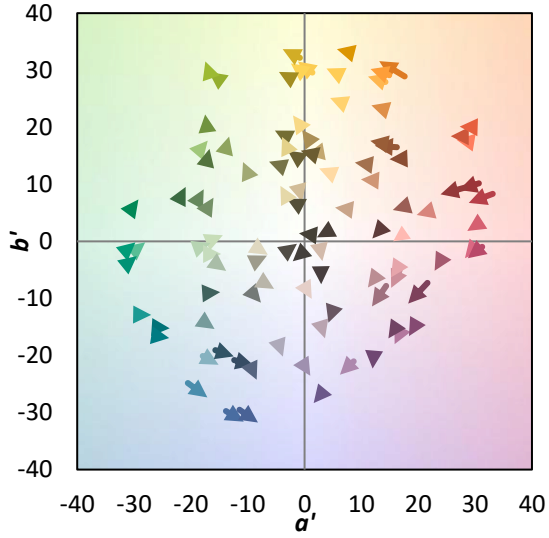


Color Vector Graphics







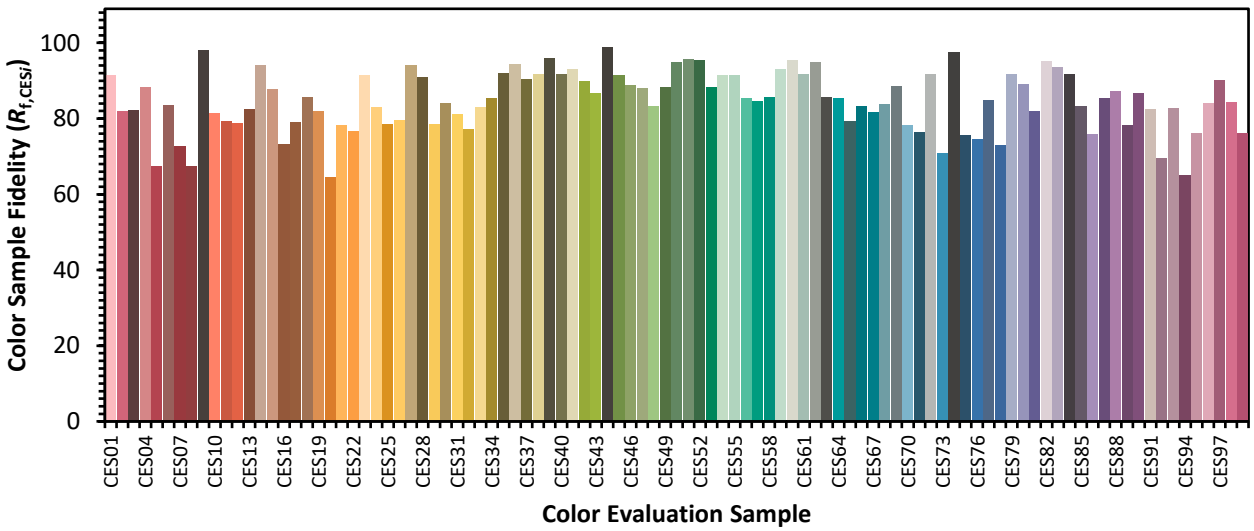


REPORT NUMBER: SP1-2509-539-8

TM-30-18

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

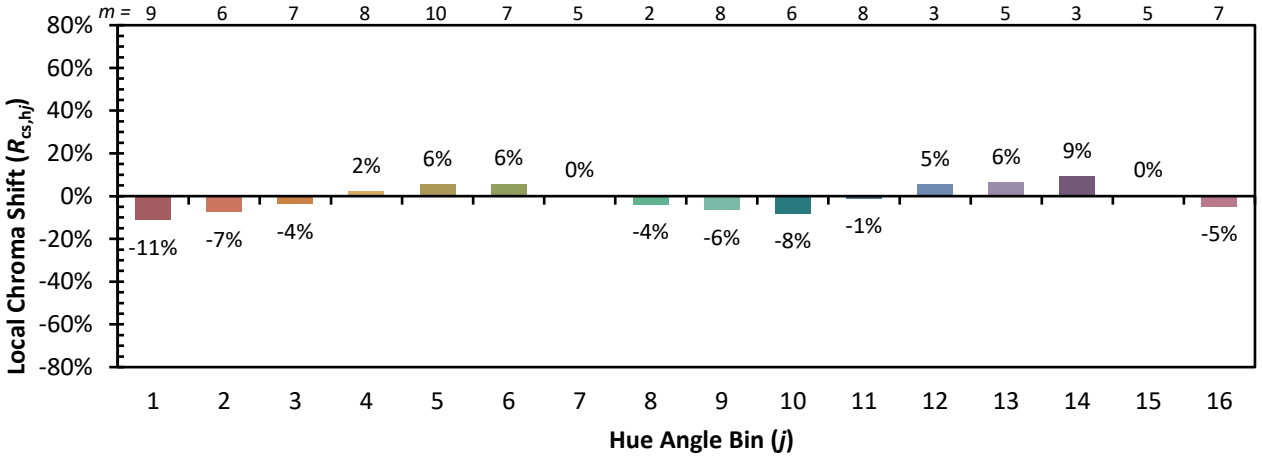
CES01 = 86	CES26 = 80	CES51 = 96	CES76 = 74
CES02 = 61	CES27 = 94	CES52 = 95	CES77 = 85
CES03 = 31	CES28 = 91	CES53 = 88	CES78 = 73
CES04 = 69	CES29 = 79	CES54 = 91	CES79 = 92
CES05 = 48	CES30 = 84	CES55 = 91	CES80 = 89
CES06 = 50	CES31 = 81	CES56 = 85	CES81 = 82
CES07 = 41	CES32 = 77	CES57 = 85	CES82 = 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	

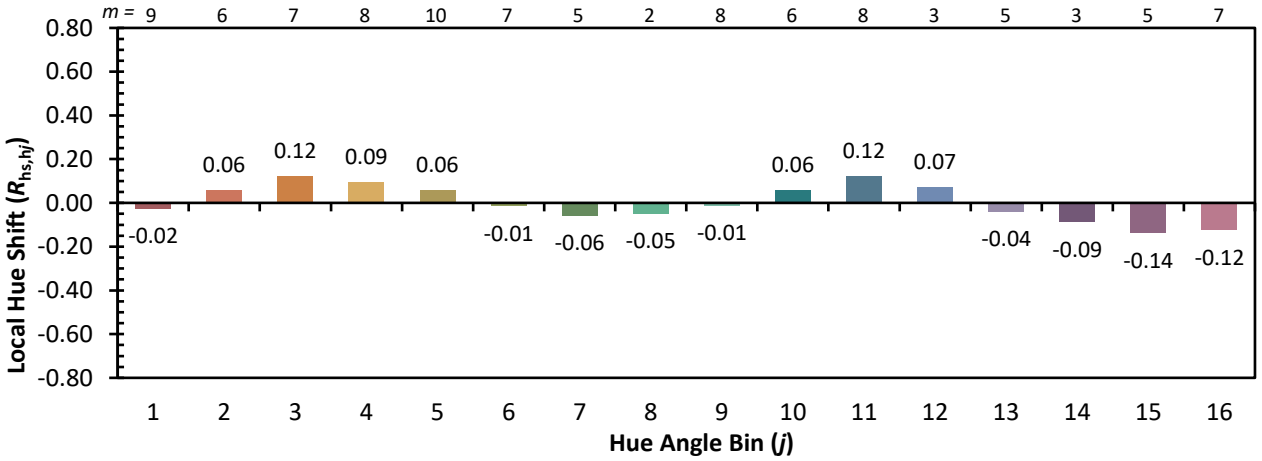


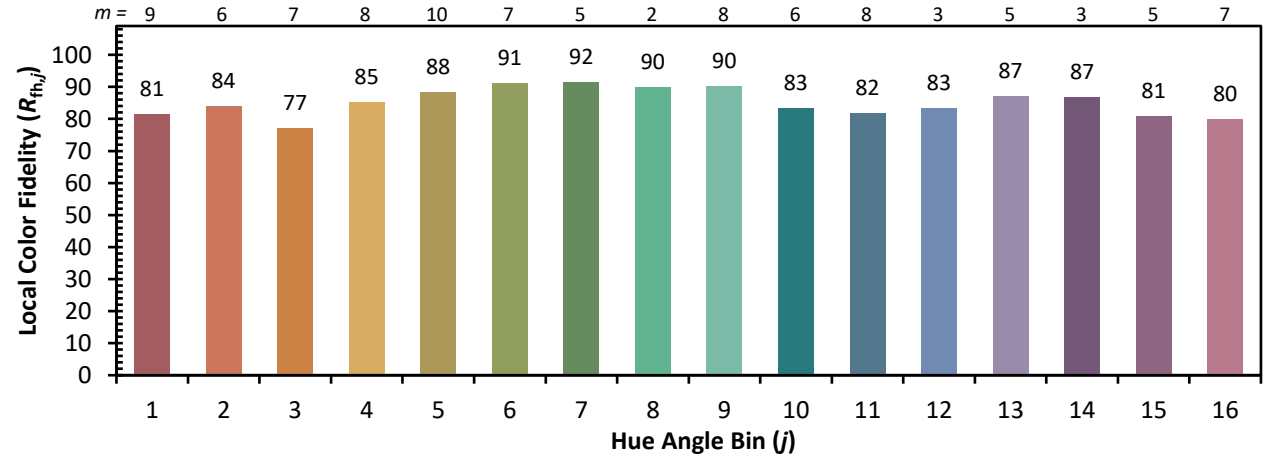
REPORT NUMBER: SP1-2509-539-8

TM-30-18

Color Rendition by Hue-Angle Bin



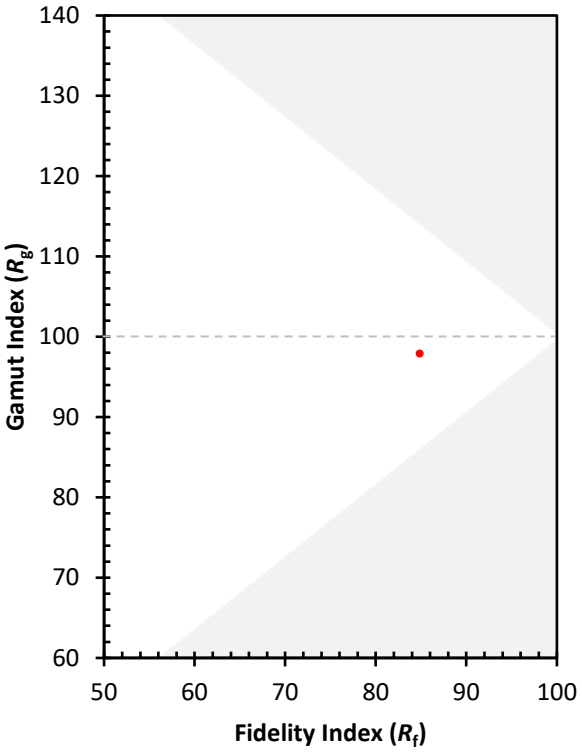


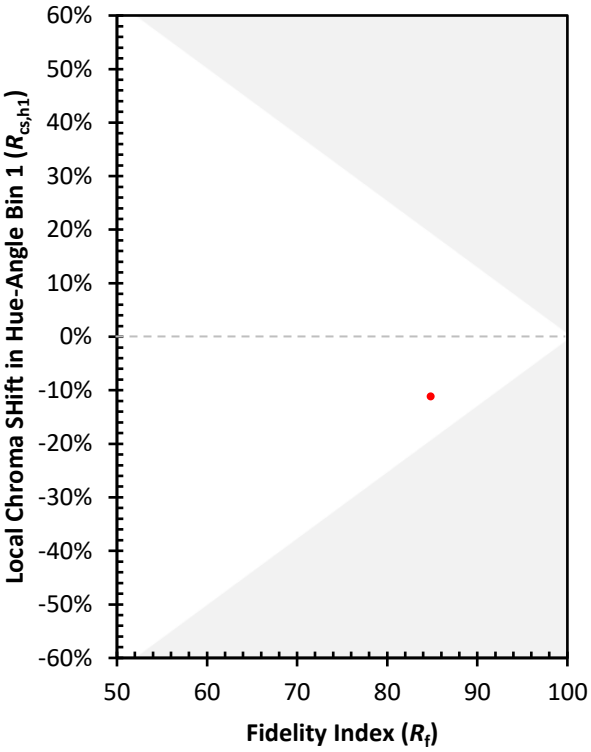


REPORT NUMBER: SP1-2509-539-8

TM-30-18

Measure Comparisons





(END OF REPORT)