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: P1459776

Luminaire Tested: LXB-CX-740-X-U-S-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:	P1459776
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2509-539-25)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	5/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	INVUE
Catalog Number:	LXB-CX-740-X-U-S-GM-CBP
Description:	LuxeScape OUTDOOR ARCHITECTURAL BOLLARD LUMINAIRE
	SYMMETRIC OPTIC, GRAPHITE METALLIC PAINTED FINISH
Light Source:	2200K CCT, 70 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	353.9 lumens
Efficiency:	N/A
Efficacy:	61.0 lumens/watt
Luminous Opening:	Circular (Dia: 0.4' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G0

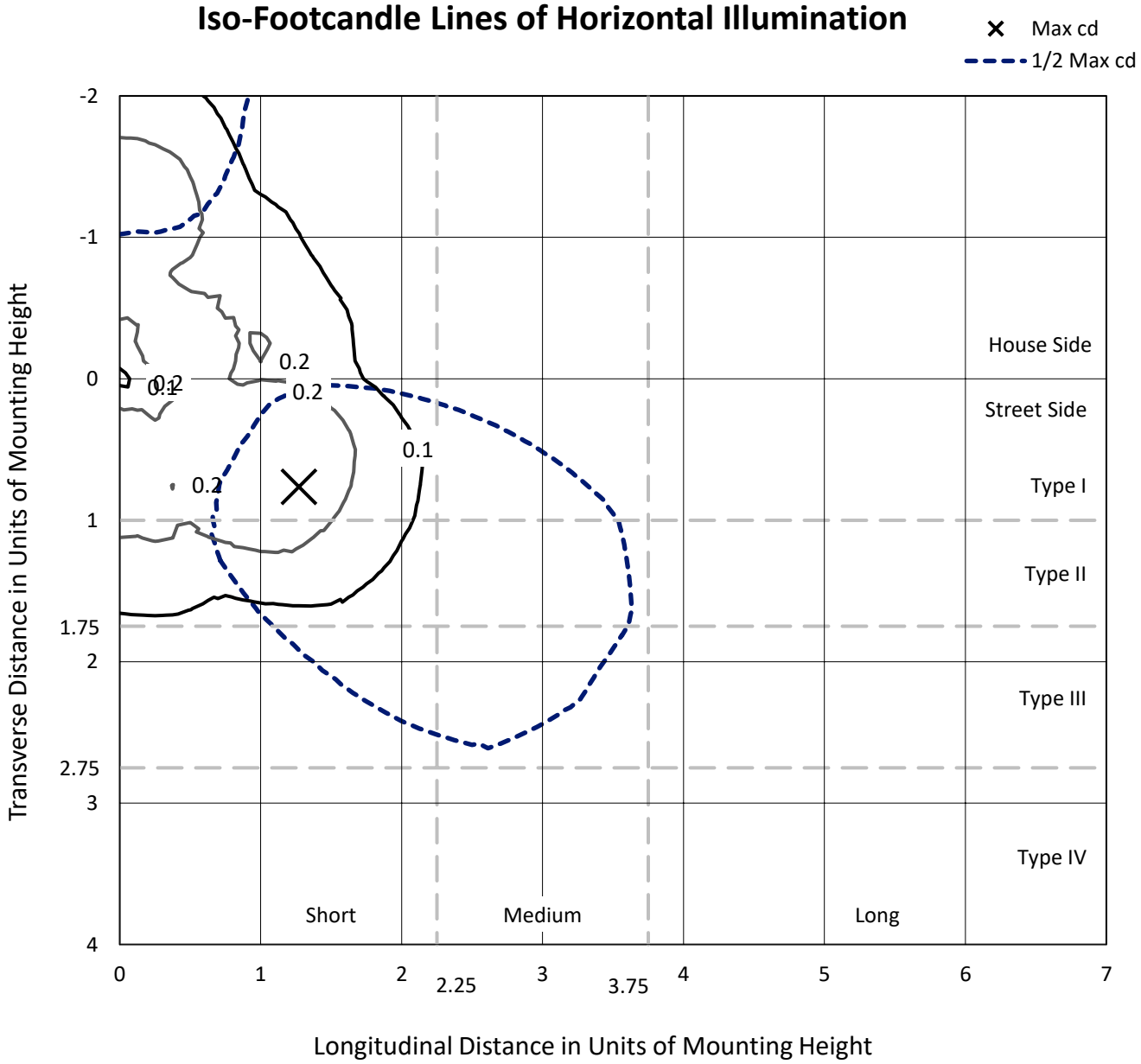
Input Watts (W):	5.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	N/R
Total Harmonic Distortion (THDi):	N/R
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	3 HR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1459776
CATALOG NUMBER: LXB-CX-740-X-U-S-GM-CBP

Iso-Footcandle Lines of Horizontal Illumination



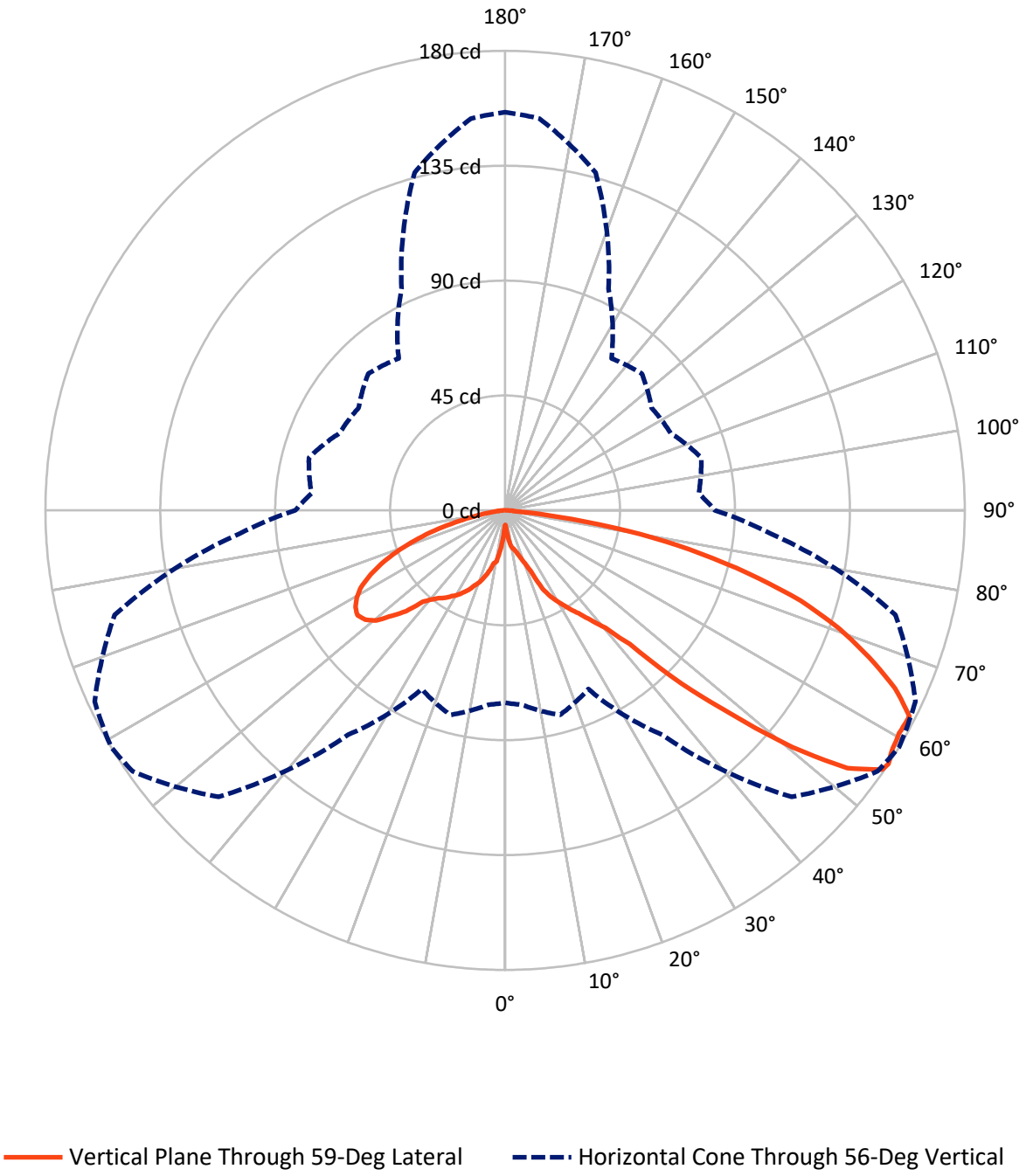
Based on 10 foot mounting height. Maximum calculated value = 0.4 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1459776
CATALOG NUMBER: LXB-CX-740-X-U-S-GM-CBP

Luminous Intensity Polar Plot



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

Scaled Data Report

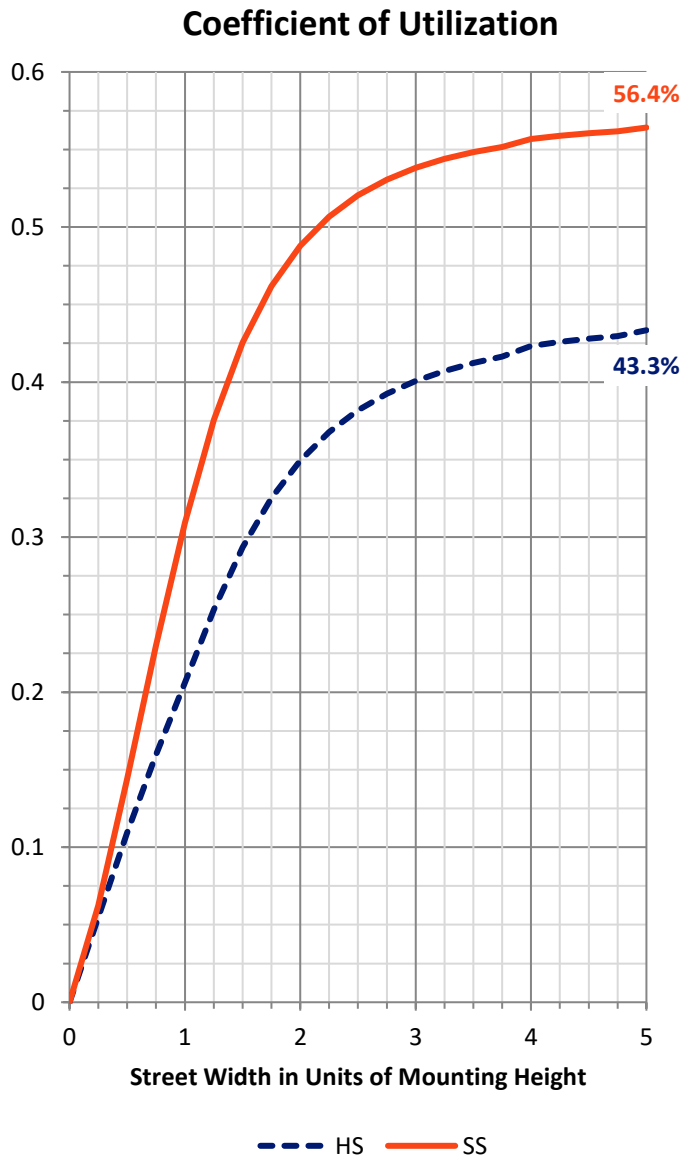
REPORT NUMBER: P1459776
CATALOG NUMBER: LXB-CX-740-X-U-S-GM-CBP

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	153.6	0.0	153.6
	% Fixture	43.4	0.0	43.4
Street Side	Lumens	200.3	0.0	200.3
	% Fixture	56.6	0.0	56.6
Total	Lumens	353.9	0.0	353.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.4
10°-20°	6.3	1.8
20°-30°	14.8	4.2
30°-40°	26.8	7.6
40°-50°	53.2	15.0
50°-60°	93.9	26.5
60°-70°	94.5	26.7
70°-80°	55.6	15.7
80°-90°	7.5	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°	353.9	100.0
0°-180°	353.9	100.0



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

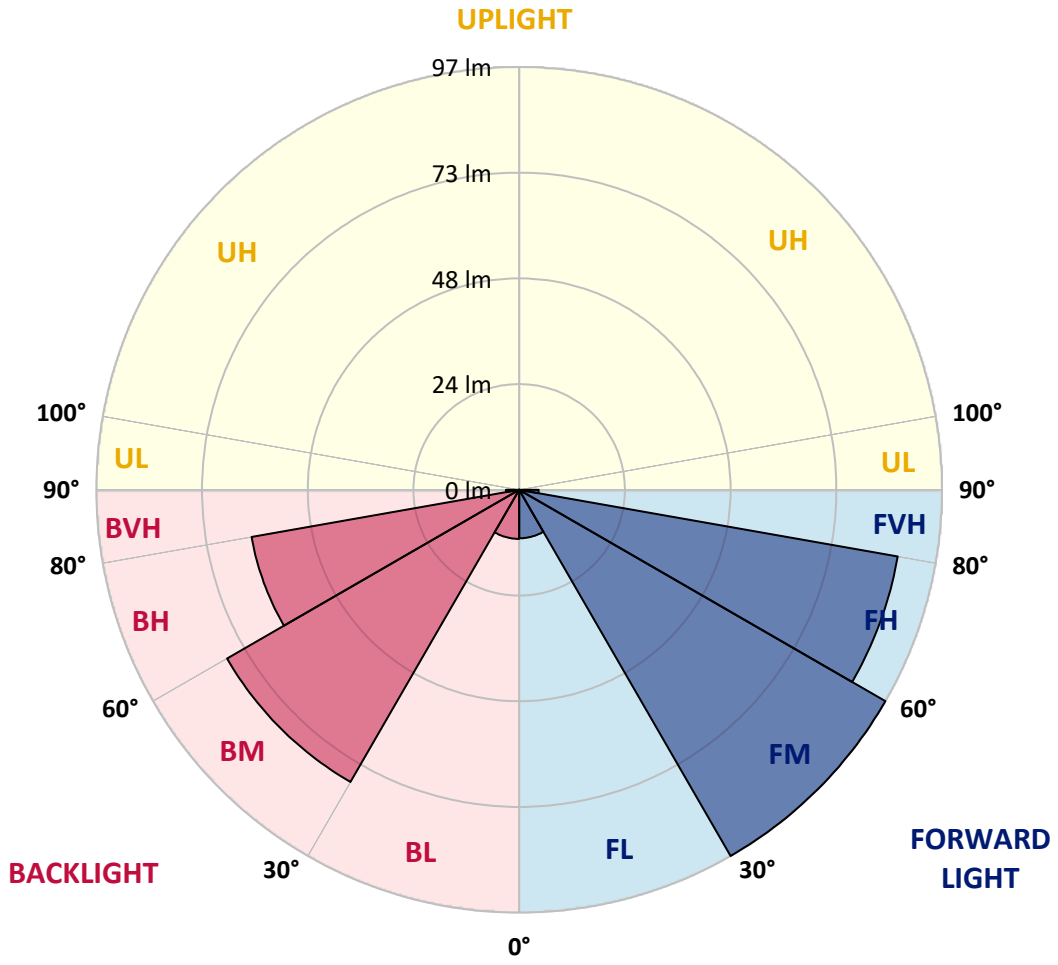
Scaled Data Report

REPORT NUMBER: P1459776
CATALOG NUMBER: LXB-CX-740-X-U-S-GM-CBP

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	11.1	3.1			
FM	(30°-60°)	96.8	27.3			
FH	(60°-80°)	88.0	24.9			G0/660
FVH	(80°-90°)	4.5	1.3			G0/10
BL	(0°-30°)	11.2	3.2	B0/110		
BM	(30°-60°)	77.2	21.8	B0/220		
BH	(60°-80°)	62.2	17.6	B0/110		G0/110
BVH	(80°-90°)	3.0	0.9			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



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

Scaled Data Report

REPORT NUMBER: P1459776
CATALOG NUMBER: LXB-CX-740-X-U-S-GM-CBP

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	*5.7*	5.7	5.7	5.7
2.5°	8.0	7.6	7.2	7.2	6.8	6.8	6.5	*6.5*	6.5	6.8	7.6
5°	12.9	12.9	11.0	9.9	9.9	9.9	9.9	*9.5*	9.9	9.9	11.0
7.5°	17.9	16.3	16.7	15.2	14.4	14.1	13.3	*12.9*	12.5	13.7	15.2
10°	19.4	19.4	19.8	19.8	17.5	15.6	15.2	*14.8*	14.8	15.2	16.3
12.5°	20.9	22.0	22.4	22.0	19.8	17.1	16.0	*15.6*	15.6	17.1	19.0
15°	25.4	24.3	25.1	23.9	22.4	19.0	17.5	*17.1*	17.5	19.0	20.9
17.5°	28.5	28.9	27.3	25.1	23.5	21.3	19.8	*19.4*	19.0	20.1	23.5
20°	31.1	31.1	30.0	27.3	25.4	22.8	22.0	*22.0*	22.0	22.4	24.3
22.5°	33.8	33.8	32.7	29.6	27.3	24.7	25.1	*25.8*	24.7	24.7	26.6
25°	36.1	36.1	34.6	31.5	30.0	29.2	32.3	*33.8*	31.9	28.9	29.6
27.5°	38.7	38.4	37.2	33.8	32.7	34.2	37.6	*38.4*	38.0	33.4	32.7
30°	40.3	40.3	39.5	36.5	35.3	38.0	41.4	*41.8*	41.4	38.0	34.6
32.5°	42.2	41.8	41.4	38.0	37.6	41.4	45.2	*45.6*	45.2	41.8	37.2
35°	44.1	43.3	43.3	39.9	39.5	45.6	48.6	*49.4*	49.0	45.2	39.5
37.5°	46.3	45.2	45.2	41.8	42.9	50.1	53.6	*54.3*	53.6	49.4	42.5
40°	49.0	47.5	47.1	44.1	46.0	55.8	59.6	*60.4*	59.3	55.1	45.6
42.5°	52.8	50.9	51.7	47.9	52.0	65.3	71.0	*71.4*	69.5	64.6	51.7
45°	60.8	59.3	62.3	57.7	64.2	86.2	95.0	*96.5*	93.8	83.9	63.8
47.5°	66.1	65.0	68.4	63.8	75.2	106.4	116.6	*118.9*	114.7	104.8	75.2
50°	71.8	71.8	76.7	72.2	90.8	130.7	143.2	*145.5*	142.4	131.8	89.6
52.5°	74.1	74.8	81.7	76.7	101.0	147.0	164.8	*167.5*	164.8	147.8	98.8
55°	75.2	76.3	83.2	77.5	106.0	156.5	176.6	*178.9*	175.9	156.5	102.9
56°	*75.2*	*76.3*	*82.8*	*77.1*	*107.1*	*158.4*	*177.8*	*179.7*	*177.0*	*158.0*	*104.1*
57.5°	74.1	76.0	81.7	76.0	107.5	159.5	178.1	*178.1*	177.4	159.5	105.2
60°	71.0	73.3	78.2	72.5	106.7	158.8	176.6	*177.0*	176.6	159.9	105.2
62.5°	66.9	69.1	74.4	68.8	104.5	155.4	176.2	*177.4*	176.2	156.5	102.2
65°	60.8	63.4	68.0	62.7	98.8	148.9	167.1	*167.5*	166.7	148.5	96.1
67.5°	53.9	56.2	60.8	55.8	91.9	139.0	154.2	*153.5*	153.5	137.1	88.5
70°	46.0	48.2	52.4	47.9	83.2	125.3	138.6	*138.6*	138.6	123.4	78.6
72.5°	36.8	39.1	43.3	39.5	72.2	108.3	120.0	*120.8*	120.8	106.4	66.9
75°	27.7	29.6	33.0	30.8	58.5	88.5	98.0	*98.0*	99.1	87.0	53.2
77.5°	18.6	20.1	22.8	21.7	43.3	68.0	74.4	*73.7*	75.6	65.7	38.4
80°	10.6	11.8	13.3	12.9	26.6	44.1	48.2	*48.6*	49.8	41.8	22.4
82.5°	5.3	5.7	6.5	6.1	11.0	19.4	21.7	*20.5*	23.2	17.1	8.4
85°	2.3	2.3	2.7	1.5	2.7	3.4	3.8	*3.4*	3.8	3.4	2.3
87.5°	1.5	1.9	1.9	0.8	1.9	2.3	2.7	*2.7*	2.7	2.3	1.5
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: P1459776
CATALOG NUMBER: LXB-CX-740-X-U-S-GM-CBP

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	7.2	7.6	8.0	6.8	7.2	7.6	7.6	7.2	7.2	6.8	6.8
5°	11.0	11.0	11.4	12.2	11.4	11.0	11.0	10.3	11.0	9.5	9.5
7.5°	14.1	14.4	15.6	16.0	15.6	17.1	15.6	14.8	14.8	14.1	14.1
10°	16.7	17.5	19.0	19.4	20.9	19.4	19.0	17.1	16.7	16.0	16.0
12.5°	19.8	20.1	20.5	21.3	20.9	21.3	20.9	19.0	17.1	16.0	16.0
15°	22.0	22.4	23.5	25.1	23.9	23.5	23.5	22.0	19.8	17.5	17.1
17.5°	23.5	25.1	26.2	27.3	27.0	26.2	25.1	23.9	20.5	19.4	19.0
20°	25.4	26.6	29.6	30.0	29.6	28.5	27.3	25.1	22.4	21.3	21.3
22.5°	27.3	29.2	31.9	32.3	31.1	30.4	30.0	27.0	24.7	23.5	24.3
25°	30.0	31.1	33.4	33.8	34.2	32.3	32.3	29.6	28.1	29.2	30.0
27.5°	32.3	33.4	35.7	36.1	36.1	34.2	33.8	32.3	32.3	33.4	34.6
30°	34.9	35.3	38.0	38.0	38.0	36.1	35.3	34.2	34.9	36.8	38.0
32.5°	36.5	37.6	39.5	40.3	39.1	38.0	37.2	36.5	38.0	40.6	41.4
35°	38.0	39.1	41.0	42.2	41.0	40.3	38.7	38.4	41.4	44.1	44.8
37.5°	40.3	41.0	42.9	43.7	42.5	42.2	40.3	41.0	46.0	48.2	49.8
40°	42.2	42.9	44.8	45.6	44.8	44.4	42.2	44.1	50.9	53.9	55.1
42.5°	46.0	46.7	49.0	48.2	47.9	47.9	45.2	49.0	58.9	61.5	63.8
45°	55.8	56.2	58.9	55.5	55.1	57.0	53.9	60.4	76.7	80.9	85.1
47.5°	62.7	61.5	65.3	60.8	60.0	61.9	58.9	68.8	93.8	97.6	103.3
50°	72.5	70.3	73.3	67.2	65.7	69.9	67.2	83.2	114.7	121.5	125.7
52.5°	78.6	75.6	78.6	70.3	68.8	74.4	71.4	90.8	126.1	137.5	142.4
55°	81.7	76.3	80.1	71.4	70.3	76.3	72.5	95.0	134.8	151.6	155.0
56°	*82.0*	*76.0*	*79.4*	*71.4*	*69.9*	*75.6*	*72.5*	*95.7*	*136.7*	*153.8*	*155.7*
57.5°	81.3	74.4	78.2	70.6	69.1	74.4	71.4	96.5	137.9	154.2	155.4
60°	79.4	72.2	75.6	68.4	66.5	71.8	68.8	96.1	137.5	153.1	153.8
62.5°	76.3	68.4	72.2	64.6	63.1	68.4	65.0	94.2	135.2	152.3	153.8
65°	71.0	63.1	66.1	59.3	57.4	62.3	59.6	88.5	128.8	146.2	147.0
67.5°	64.2	56.2	58.9	52.8	50.9	55.8	53.2	81.3	119.3	134.8	133.7
70°	57.0	48.6	50.9	45.2	43.3	48.2	45.6	72.5	107.1	120.8	118.9
72.5°	48.2	40.3	42.2	36.8	34.9	39.5	38.0	62.3	93.1	104.8	103.3
75°	38.7	31.5	32.3	27.7	26.6	30.4	29.6	49.8	75.2	84.7	83.6
77.5°	28.1	22.4	22.4	19.0	17.9	21.3	20.9	36.1	55.5	62.7	60.8
80°	17.1	13.7	13.3	11.4	10.6	12.9	12.5	21.7	34.2	39.1	36.8
82.5°	7.6	6.8	6.5	5.7	5.3	6.1	5.7	8.7	13.7	16.7	14.1
85°	1.9	2.3	2.7	2.7	2.7	2.7	1.9	2.7	3.4	3.8	3.8
87.5°	1.1	1.1	1.9	1.9	1.9	1.9	1.1	1.9	2.7	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: SP1-2509-539-9

Test Date: 04/14/2026

Luminaire Tested: Luxscape Bollard

Data in this report applies to families of products including ;Luxscape

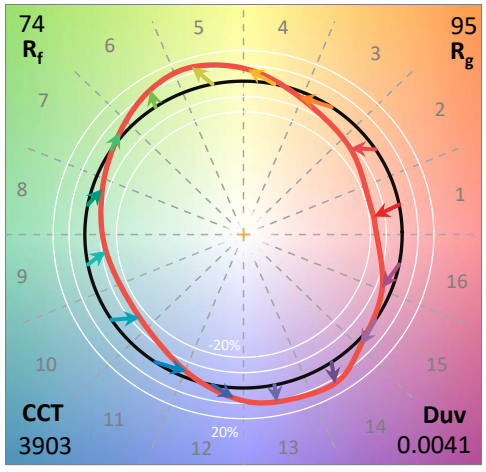
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2509-539-9
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-C1-740-LED-XX-Dx-S-GM-SPECULAR REFLECTOR

Spectral Parameters

CCT (K):	3903	CRI (Ra):	71.4		
CIE u':	0.2247	R1:	67.8	R9:	-38.3
CIE v':	0.5085	R2:	77.2	R10:	48.5
Duv:	0.0041	R3:	87.2	R11:	70.3
CIE x:	0.3880	R4:	72.2	R12:	48.8
CIE y:	0.3902	R5:	68.6	R13:	68.9
CIE z:	0.2218	R6:	70.0	R14:	92.8
Peak Wavelength (nm):	442	R7:	79.2	R15:	58.3
Dominant Wavelength (nm):	577	R8:	49.3		
Purity:	33.55395				
Rf:	74.1				
Rg:	95.4				



Test Conditions

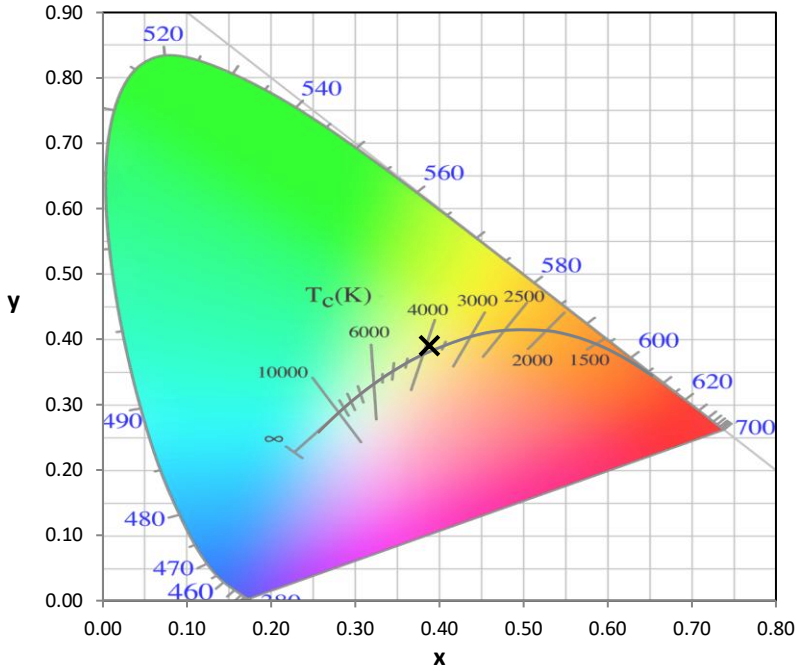
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-9

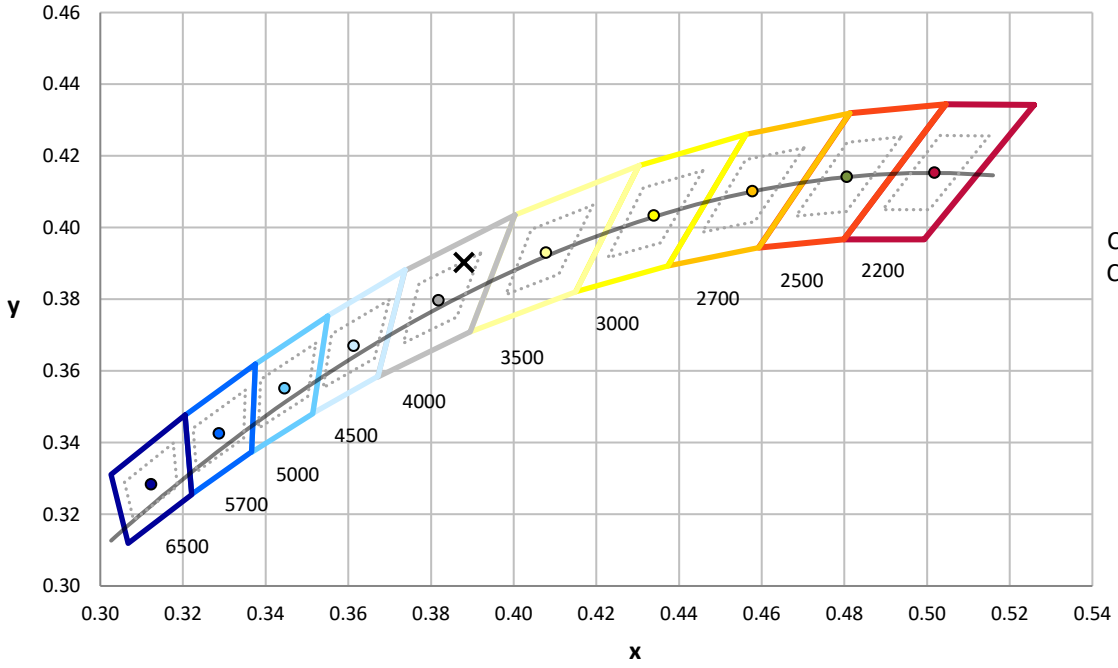
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	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: SP1-2509-539-9

CIE 1931 Chromaticity Diagram



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

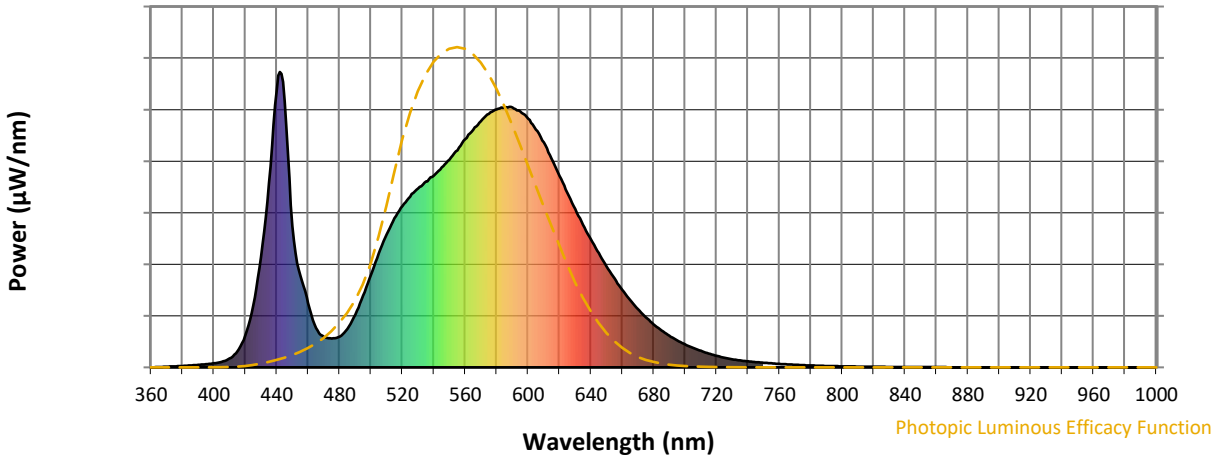


CCT = 3903K
CIE x = 0.3880
CIE y = 0.3902
Duv = 0.0041

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2509-539-9

Photopic Flux vs. Wavelength

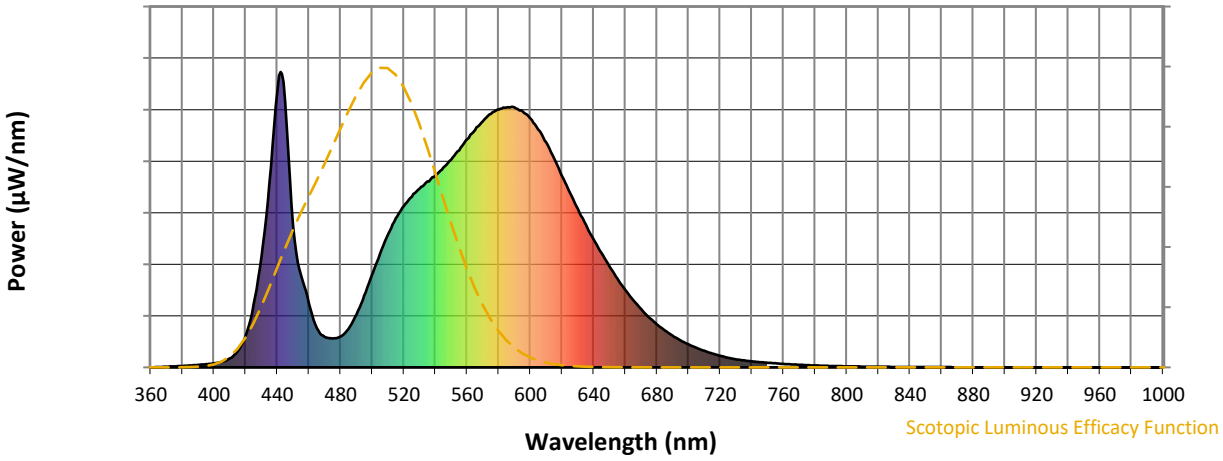


Photopic Lumens: NR

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	179	NR	620	648	NR	750	16	NR	880	0	NR
365	1	NR	495	243	NR	625	592	NR	755	14	NR	885	0	NR
370	2	NR	500	314	NR	630	536	NR	760	12	NR	890	0	NR
375	3	NR	505	386	NR	635	483	NR	765	10	NR	895	0	NR
380	5	NR	510	450	NR	640	433	NR	770	9	NR	900	0	NR
385	7	NR	515	505	NR	645	387	NR	775	8	NR	905	0	NR
390	8	NR	520	546	NR	650	341	NR	780	6	NR	910	0	NR
395	11	NR	525	577	NR	655	301	NR	785	5	NR	915	0	NR
400	14	NR	530	605	NR	660	262	NR	790	5	NR	920	0	NR
405	19	NR	535	630	NR	665	227	NR	795	4	NR	925	0	NR
410	30	NR	540	649	NR	670	197	NR	800	3	NR	930	0	NR
415	55	NR	545	677	NR	675	169	NR	805	3	NR	935	0	NR
420	109	NR	550	703	NR	680	146	NR	810	3	NR	940	0	NR
425	210	NR	555	735	NR	685	125	NR	815	2	NR	945	0	NR
430	373	NR	560	772	NR	690	107	NR	820	2	NR	950	0	NR
435	624	NR	565	804	NR	695	91	NR	825	2	NR	955	0	NR
440	936	NR	570	833	NR	700	78	NR	830	2	NR	960	0	NR
445	901	NR	575	858	NR	705	66	NR	835	1	NR	965	0	NR
450	478	NR	580	873	NR	710	56	NR	840	1	NR	970	0	NR
455	311	NR	585	879	NR	715	47	NR	845	1	NR	975	0	NR
460	218	NR	590	880	NR	720	39	NR	850	1	NR	980	0	NR
465	134	NR	595	867	NR	725	33	NR	855	1	NR	985	0	NR
470	103	NR	600	842	NR	730	27	NR	860	1	NR	990	0	NR
475	98	NR	605	806	NR	735	24	NR	865	1	NR	995	0	NR
480	104	NR	610	762	NR	740	20	NR	870	0	NR	1000	0	NR
485	130	NR	615	707	NR	745	18	NR	875	0	NR			

REPORT NUMBER: SP1-2509-539-9

Scotopic Flux vs. Wavelength

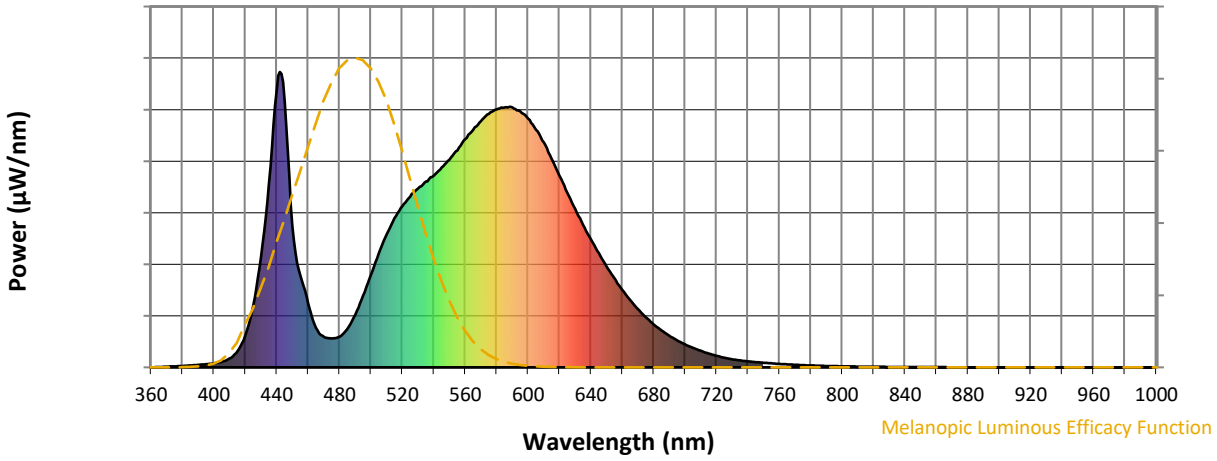


Scotopic Lumens: NR **S/P: 1.48**

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	179	NR	620	648	NR	750	16	NR	880	0	NR
365	1	NR	495	243	NR	625	592	NR	755	14	NR	885	0	NR
370	2	NR	500	314	NR	630	536	NR	760	12	NR	890	0	NR
375	3	NR	505	386	NR	635	483	NR	765	10	NR	895	0	NR
380	5	NR	510	450	NR	640	433	NR	770	9	NR	900	0	NR
385	7	NR	515	505	NR	645	387	NR	775	8	NR	905	0	NR
390	8	NR	520	546	NR	650	341	NR	780	6	NR	910	0	NR
395	11	NR	525	577	NR	655	301	NR	785	5	NR	915	0	NR
400	14	NR	530	605	NR	660	262	NR	790	5	NR	920	0	NR
405	19	NR	535	630	NR	665	227	NR	795	4	NR	925	0	NR
410	30	NR	540	649	NR	670	197	NR	800	3	NR	930	0	NR
415	55	NR	545	677	NR	675	169	NR	805	3	NR	935	0	NR
420	109	NR	550	703	NR	680	146	NR	810	3	NR	940	0	NR
425	210	NR	555	735	NR	685	125	NR	815	2	NR	945	0	NR
430	373	NR	560	772	NR	690	107	NR	820	2	NR	950	0	NR
435	624	NR	565	804	NR	695	91	NR	825	2	NR	955	0	NR
440	936	NR	570	833	NR	700	78	NR	830	2	NR	960	0	NR
445	901	NR	575	858	NR	705	66	NR	835	1	NR	965	0	NR
450	478	NR	580	873	NR	710	56	NR	840	1	NR	970	0	NR
455	311	NR	585	879	NR	715	47	NR	845	1	NR	975	0	NR
460	218	NR	590	880	NR	720	39	NR	850	1	NR	980	0	NR
465	134	NR	595	867	NR	725	33	NR	855	1	NR	985	0	NR
470	103	NR	600	842	NR	730	27	NR	860	1	NR	990	0	NR
475	98	NR	605	806	NR	735	24	NR	865	1	NR	995	0	NR
480	104	NR	610	762	NR	740	20	NR	870	0	NR	1000	0	NR
485	130	NR	615	707	NR	745	18	NR	875	0	NR			

REPORT NUMBER: SP1-2509-539-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.81**

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	179	NR	620	648	NR	750	16	NR	880	0	NR
365	1	NR	495	243	NR	625	592	NR	755	14	NR	885	0	NR
370	2	NR	500	314	NR	630	536	NR	760	12	NR	890	0	NR
375	3	NR	505	386	NR	635	483	NR	765	10	NR	895	0	NR
380	5	NR	510	450	NR	640	433	NR	770	9	NR	900	0	NR
385	7	NR	515	505	NR	645	387	NR	775	8	NR	905	0	NR
390	8	NR	520	546	NR	650	341	NR	780	6	NR	910	0	NR
395	11	NR	525	577	NR	655	301	NR	785	5	NR	915	0	NR
400	14	NR	530	605	NR	660	262	NR	790	5	NR	920	0	NR
405	19	NR	535	630	NR	665	227	NR	795	4	NR	925	0	NR
410	30	NR	540	649	NR	670	197	NR	800	3	NR	930	0	NR
415	55	NR	545	677	NR	675	169	NR	805	3	NR	935	0	NR
420	109	NR	550	703	NR	680	146	NR	810	3	NR	940	0	NR
425	210	NR	555	735	NR	685	125	NR	815	2	NR	945	0	NR
430	373	NR	560	772	NR	690	107	NR	820	2	NR	950	0	NR
435	624	NR	565	804	NR	695	91	NR	825	2	NR	955	0	NR
440	936	NR	570	833	NR	700	78	NR	830	2	NR	960	0	NR
445	901	NR	575	858	NR	705	66	NR	835	1	NR	965	0	NR
450	478	NR	580	873	NR	710	56	NR	840	1	NR	970	0	NR
455	311	NR	585	879	NR	715	47	NR	845	1	NR	975	0	NR
460	218	NR	590	880	NR	720	39	NR	850	1	NR	980	0	NR
465	134	NR	595	867	NR	725	33	NR	855	1	NR	985	0	NR
470	103	NR	600	842	NR	730	27	NR	860	1	NR	990	0	NR
475	98	NR	605	806	NR	735	24	NR	865	1	NR	995	0	NR
480	104	NR	610	762	NR	740	20	NR	870	0	NR	1000	0	NR
485	130	NR	615	707	NR	745	18	NR	875	0	NR			

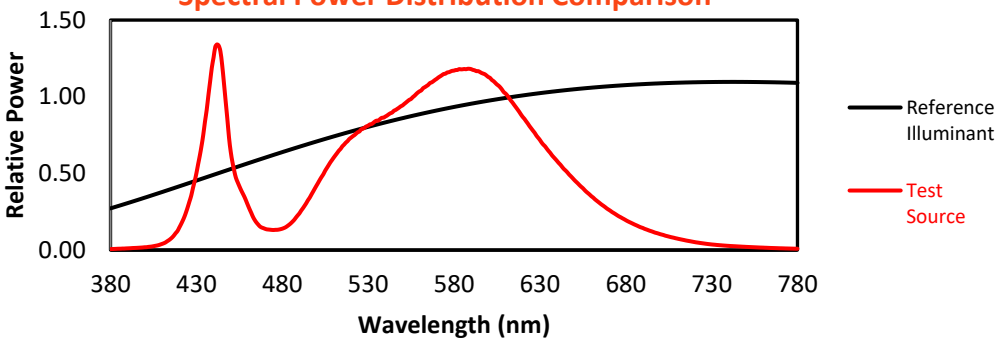
REPORT NUMBER: SP1-2509-539-9

TM-30-18

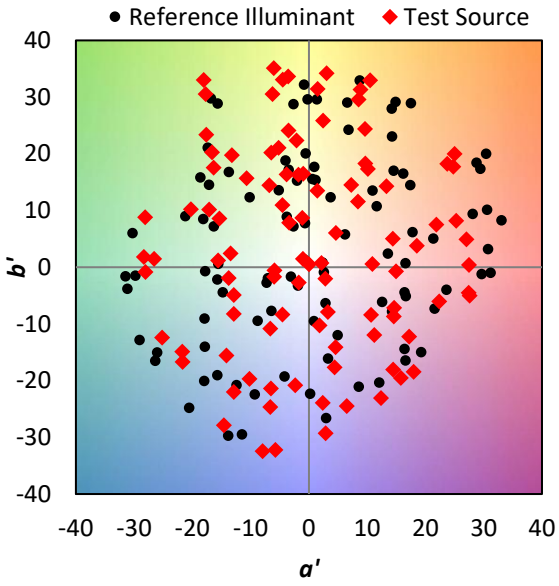
Summary

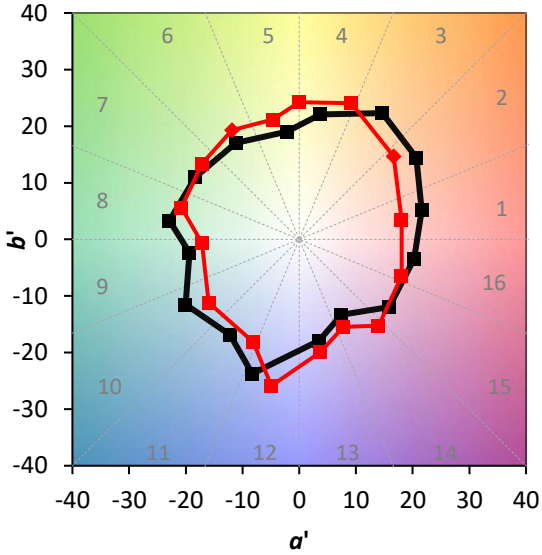
R_f = 74.1
R_g = 95.4
CIE R_a = 71.4
R_9 = -38.3

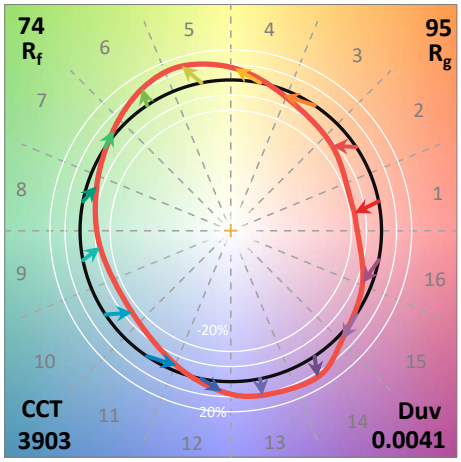
Spectral Power Distribution Comparison

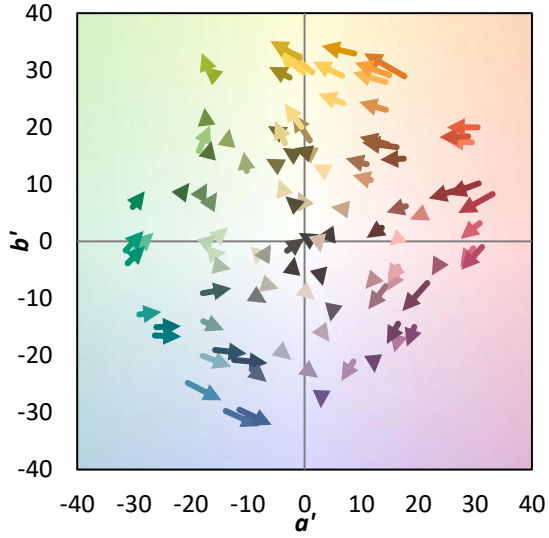


Color Vector Graphics







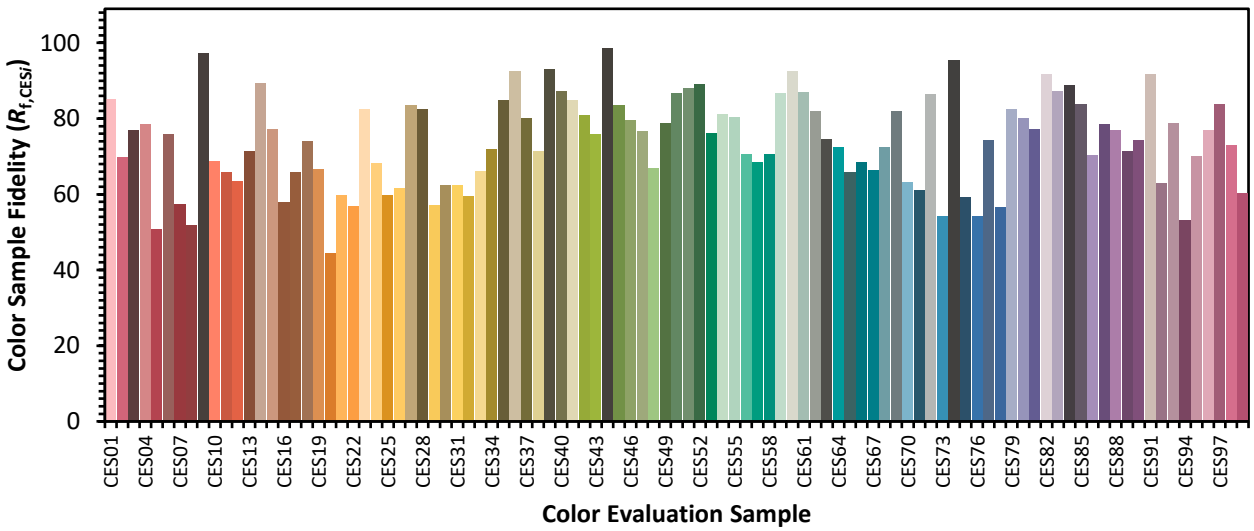


REPORT NUMBER: SP1-2509-539-9

TM-30-18

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

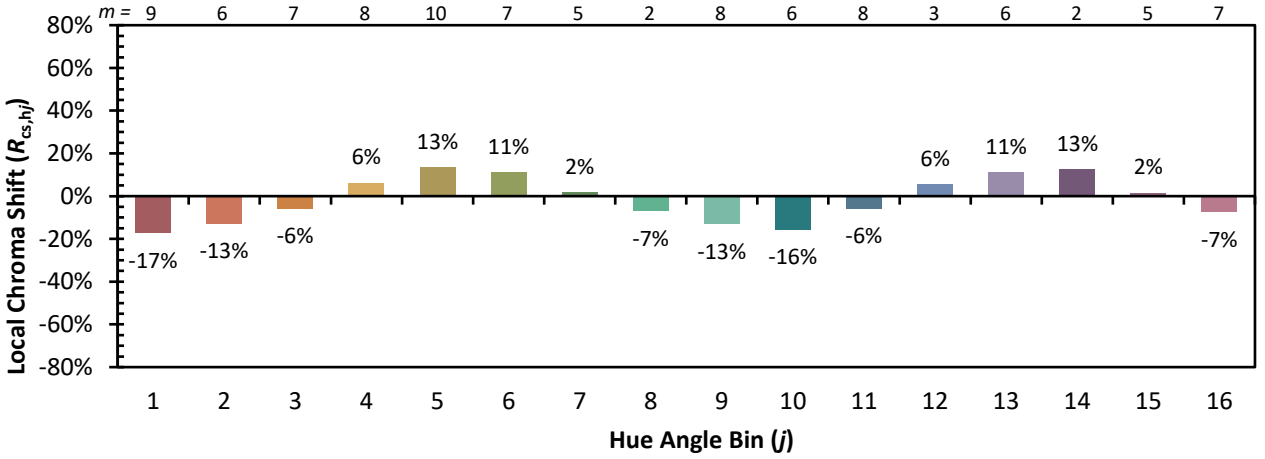
CES01 = 85	CES26 = 62	CES51 = 88	CES76 = 54
CES02 = 61	CES27 = 84	CES52 = 89	CES77 = 74
CES03 = 30	CES28 = 83	CES53 = 76	CES78 = 57
CES04 = 70	CES29 = 57	CES54 = 81	CES79 = 82
CES05 = 47	CES30 = 62	CES55 = 80	CES80 = 80
CES06 = 50	CES31 = 62	CES56 = 70	CES81 = 77
CES07 = 40	CES32 = 60	CES57 = 69	CES82 = 92
CES08 = 39	CES33 = 66	CES58 = 71	CES83 = 87
CES09 = 29	CES34 = 72	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 85	CES60 = 92	CES85 = 84
CES11 = 57	CES36 = 93	CES61 = 87	CES86 = 70
CES12 = 63	CES37 = 80	CES62 = 82	CES87 = 78
CES13 = 42	CES38 = 72	CES63 = 74	CES88 = 77
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 71
CES15 = 71	CES40 = 87	CES65 = 66	CES90 = 74
CES16 = 46	CES41 = 85	CES66 = 69	CES91 = 92
CES17 = 49	CES42 = 81	CES67 = 66	CES92 = 63
CES18 = 56	CES43 = 76	CES68 = 73	CES93 = 79
CES19 = 72	CES44 = 99	CES69 = 82	CES94 = 53
CES20 = 65	CES45 = 84	CES70 = 63	CES95 = 70
CES21 = 86	CES46 = 80	CES71 = 61	CES96 = 77
CES22 = 78	CES47 = 77	CES72 = 86	CES97 = 84
CES23 = 92	CES48 = 67	CES73 = 54	CES98 = 73
CES24 = 91	CES49 = 79	CES74 = 96	CES99 = 60
CES25 = 72	CES50 = 87	CES75 = 59	

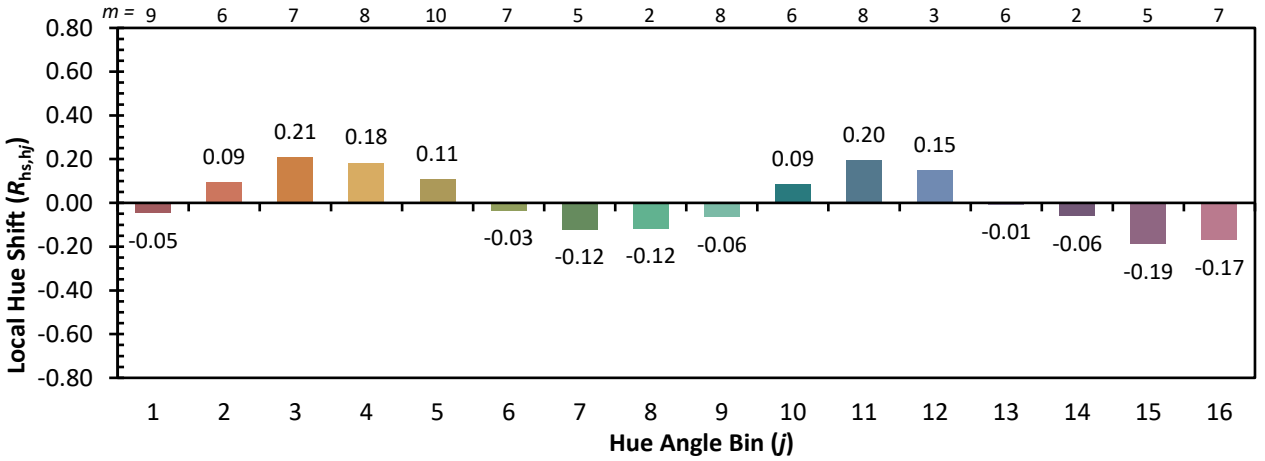


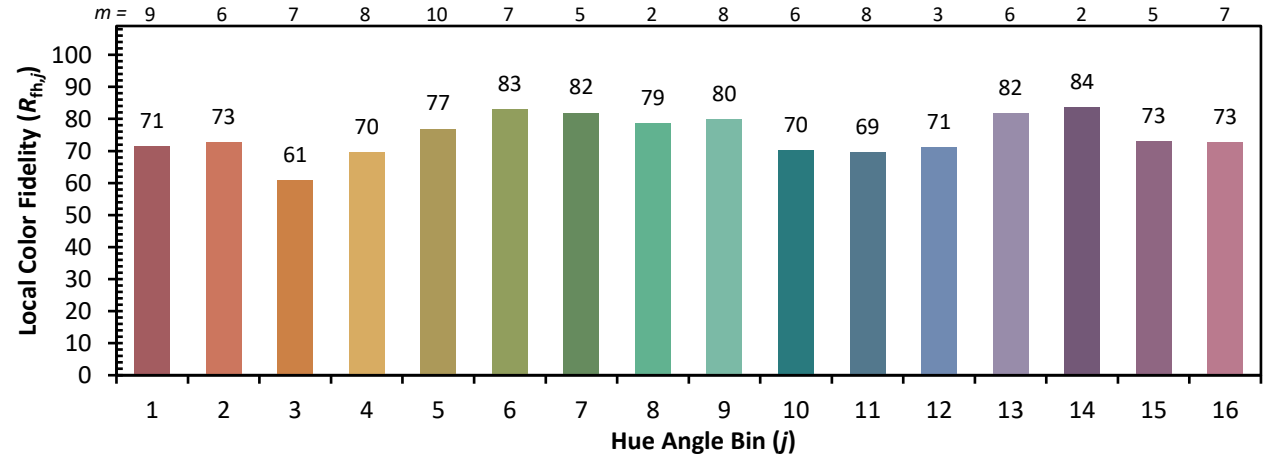
REPORT NUMBER: SP1-2509-539-9

TM-30-18

Color Rendition by Hue-Angle Bin



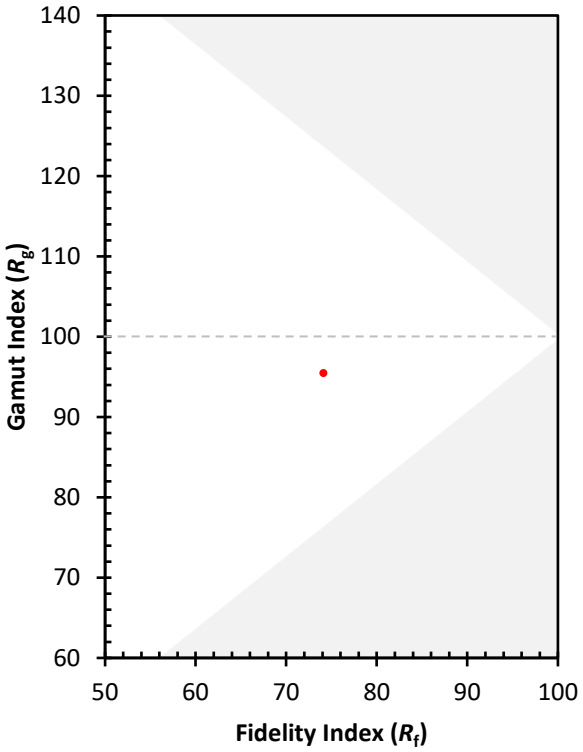


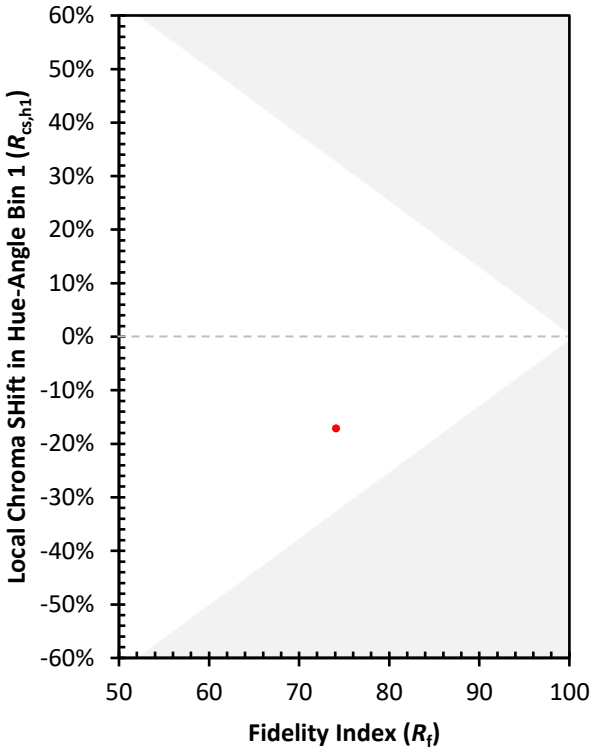


REPORT NUMBER: SP1-2509-539-9

TM-30-18

Measure Comparisons





(END OF REPORT)