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: P1459778

Luminaire Tested: LXB-CX-827-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:	P1459778
	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-827-X-U-S-GM-CBP
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:	281 lumens
Efficiency:	N/A
Efficacy:	48.4 lumens/watt
Luminous Opening:	Circular (Dia: 0.4' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G0

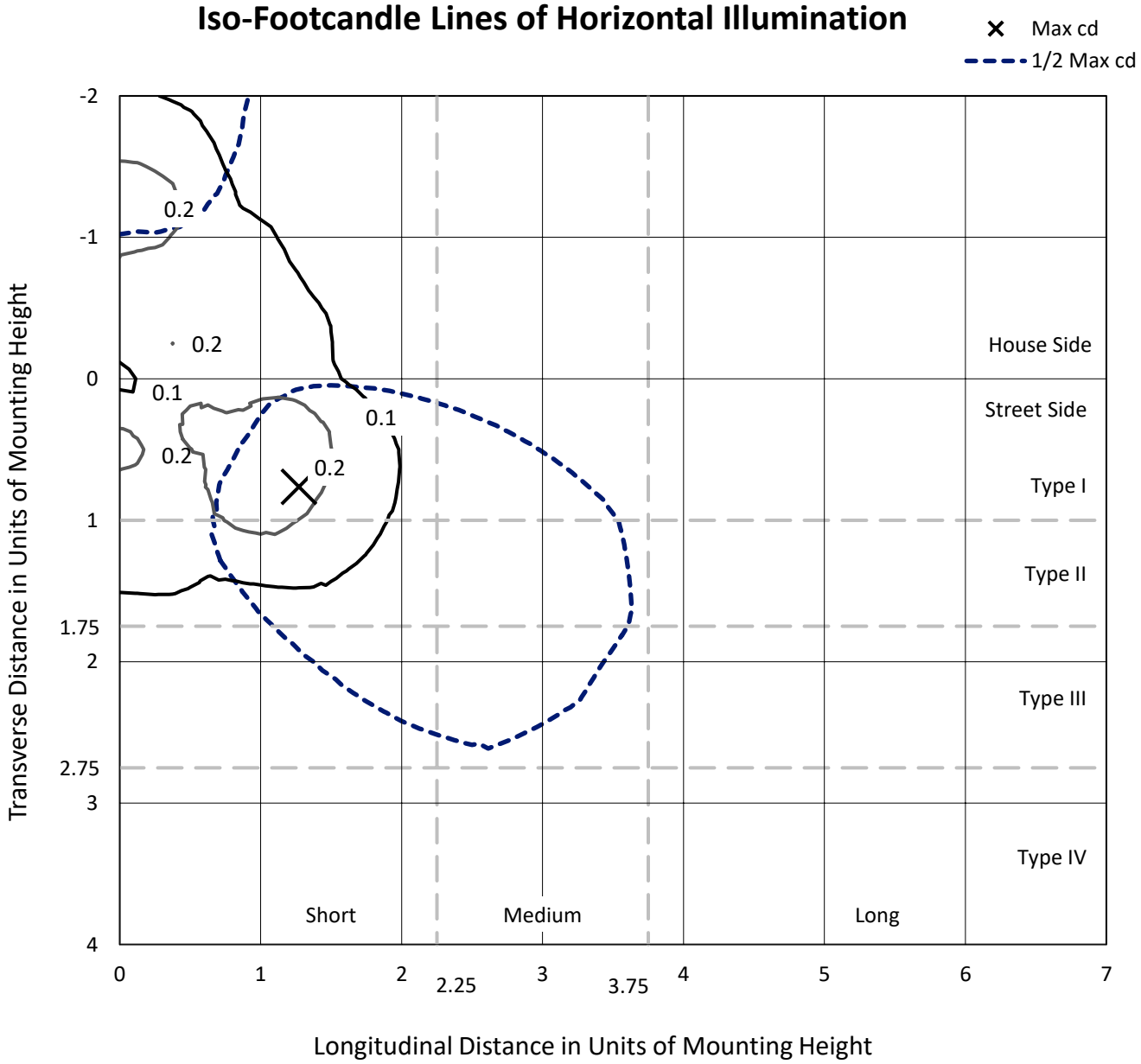
Input Watts (W):	5.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	N/R
Total Harmonic Distortion (THDi):	N/R
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	3 HR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1459778
CATALOG NUMBER: LXB-CX-827-X-U-S-GM-CBP

Iso-Footcandle Lines of Horizontal Illumination



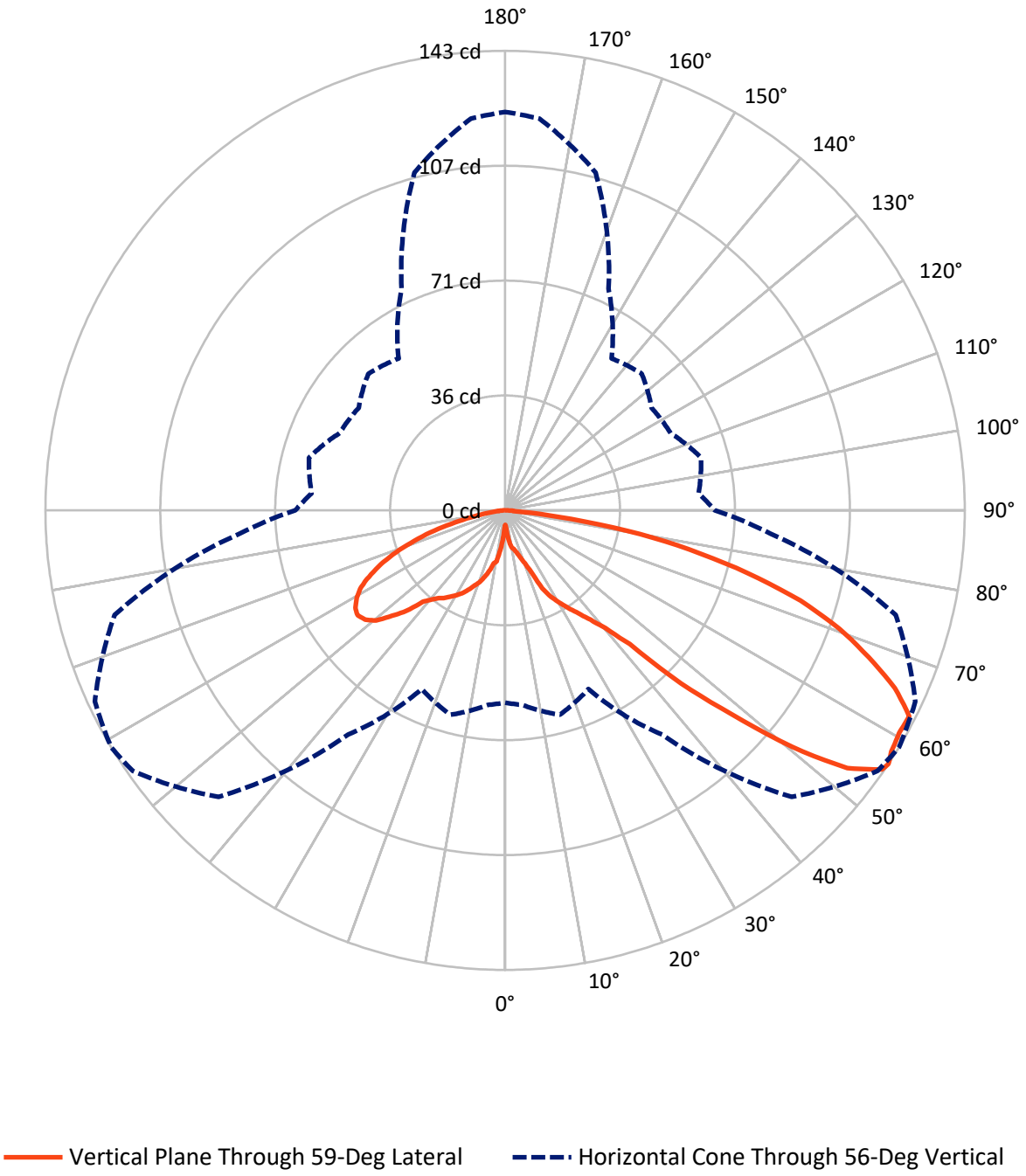
Based on 10 foot mounting height. Maximum calculated value = 0.3 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1459778
CATALOG NUMBER: LXB-CX-827-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

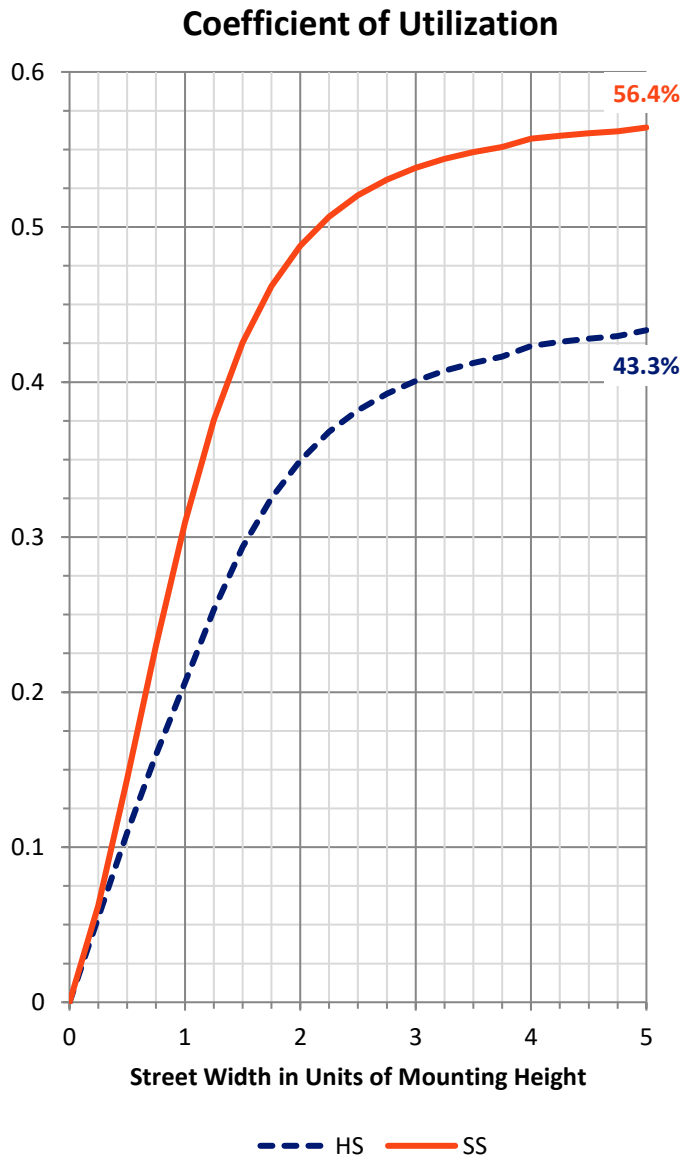
REPORT NUMBER: P1459778
CATALOG NUMBER: LXB-CX-827-X-U-S-GM-CBP

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	122.0	0.0	122.0
	% Fixture	43.4	0.0	43.4
Street Side	Lumens	159.0	0.0	159.0
	% Fixture	56.6	0.0	56.6
Total	Lumens	281.0	0.0	281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.4
10°-20°	5.0	1.8
20°-30°	11.7	4.2
30°-40°	21.3	7.6
40°-50°	42.2	15.0
50°-60°	74.6	26.5
60°-70°	75.0	26.7
70°-80°	44.2	15.7
80°-90°	5.9	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°	281.0	100.0
0°-180°	281.0	100.0



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

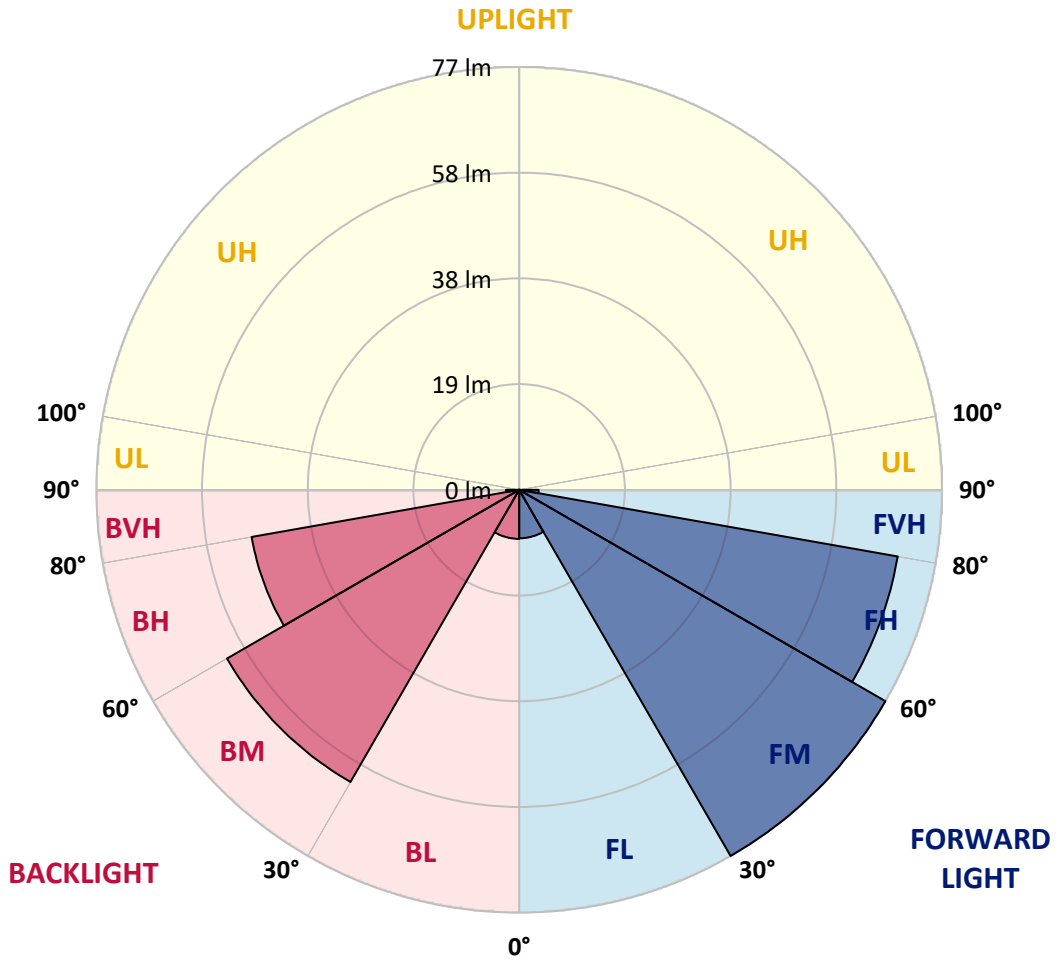
Scaled Data Report

REPORT NUMBER: P1459778
CATALOG NUMBER: LXB-CX-827-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°)	8.8	3.1			
FM	(30°-60°)	76.8	27.3			
FH	(60°-80°)	69.8	24.9			G0/660
FVH	(80°-90°)	3.5	1.3			G0/10
BL	(0°-30°)	8.9	3.2	B0/110		
BM	(30°-60°)	61.3	21.8	B0/220		
BH	(60°-80°)	49.4	17.6	B0/110		G0/110
BVH	(80°-90°)	2.4	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: P1459778
CATALOG NUMBER: LXB-CX-827-X-U-S-GM-CBP

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	*4.5*	4.5	4.5	4.5
2.5°	6.3	6.0	5.7	5.7	5.4	5.4	5.1	*5.1*	5.1	5.4	6.0
5°	10.3	10.3	8.7	7.8	7.8	7.8	7.8	*7.5*	7.8	7.8	8.7
7.5°	14.2	13.0	13.3	12.1	11.5	11.2	10.6	*10.3*	10.0	10.9	12.1
10°	15.4	15.4	15.7	15.7	13.9	12.4	12.1	*11.8*	11.8	12.1	13.0
12.5°	16.6	17.5	17.8	17.5	15.7	13.6	12.7	*12.4*	12.4	13.6	15.1
15°	20.2	19.3	19.9	19.0	17.8	15.1	13.9	*13.6*	13.9	15.1	16.6
17.5°	22.6	22.9	21.7	19.9	18.7	16.9	15.7	*15.4*	15.1	16.0	18.7
20°	24.7	24.7	23.8	21.7	20.2	18.1	17.5	*17.5*	17.5	17.8	19.3
22.5°	26.8	26.8	25.9	23.5	21.7	19.6	19.9	*20.5*	19.6	19.6	21.1
25°	28.7	28.7	27.4	25.0	23.8	23.2	25.6	*26.8*	25.3	22.9	23.5
27.5°	30.8	30.5	29.6	26.8	25.9	27.1	29.9	*30.5*	30.2	26.5	25.9
30°	32.0	32.0	31.4	29.0	28.0	30.2	32.9	*33.2*	32.9	30.2	27.4
32.5°	33.5	33.2	32.9	30.2	29.9	32.9	35.9	*36.2*	35.9	33.2	29.6
35°	35.0	34.4	34.4	31.7	31.4	36.2	38.6	*39.2*	38.9	35.9	31.4
37.5°	36.8	35.9	35.9	33.2	34.1	39.8	42.5	*43.1*	42.5	39.2	33.8
40°	38.9	37.7	37.4	35.0	36.5	44.3	47.3	*48.0*	47.0	43.7	36.2
42.5°	41.9	40.4	41.0	38.0	41.3	51.9	56.4	*56.7*	55.2	51.3	41.0
45°	48.3	47.0	49.5	45.8	51.0	68.5	75.4	*76.6*	74.5	66.7	50.7
47.5°	52.5	51.6	54.3	50.7	59.7	84.4	92.6	*94.4*	91.1	83.2	59.7
50°	57.0	57.0	60.9	57.3	72.1	103.7	113.7	*115.5*	113.1	104.7	71.2
52.5°	58.8	59.4	64.8	60.9	80.2	116.7	130.9	*133.0*	130.9	117.3	78.4
55°	59.7	60.6	66.0	61.5	84.1	124.3	140.2	*142.0*	139.6	124.3	81.7
56°	*59.7*	*60.6*	*65.7*	*61.2*	*85.0*	*125.8*	*141.1*	*142.7*	*140.5*	*125.5*	*82.6*
57.5°	58.8	60.3	64.8	60.3	85.3	126.7	141.4	*141.4*	140.8	126.7	83.5
60°	56.4	58.2	62.1	57.6	84.7	126.1	140.2	*140.5*	140.2	127.0	83.5
62.5°	53.1	54.9	59.1	54.6	82.9	123.4	139.9	*140.8*	139.9	124.3	81.1
65°	48.3	50.4	54.0	49.8	78.4	118.2	132.7	*133.0*	132.4	117.9	76.3
67.5°	42.8	44.6	48.3	44.3	73.0	110.4	122.4	*121.8*	121.8	108.9	70.3
70°	36.5	38.3	41.6	38.0	66.0	99.5	110.1	*110.1*	110.1	98.0	62.4
72.5°	29.3	31.1	34.4	31.4	57.3	86.0	95.3	*95.9*	95.9	84.4	53.1
75°	22.0	23.5	26.2	24.4	46.4	70.3	77.8	*77.8*	78.7	69.1	42.2
77.5°	14.8	16.0	18.1	17.2	34.4	54.0	59.1	*58.5*	60.0	52.2	30.5
80°	8.4	9.3	10.6	10.3	21.1	35.0	38.3	*38.6*	39.5	33.2	17.8
82.5°	4.2	4.5	5.1	4.8	8.7	15.4	17.2	*16.3*	18.4	13.6	6.6
85°	1.8	1.8	2.1	1.2	2.1	2.7	3.0	*2.7*	3.0	2.7	1.8
87.5°	1.2	1.5	1.5	0.6	1.5	1.8	2.1	*2.1*	2.1	1.8	1.2
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

Scaled Data Report

REPORT NUMBER: P1459778
CATALOG NUMBER: LXB-CX-827-X-U-S-GM-CBP

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	5.7	6.0	6.3	5.4	5.7	6.0	6.0	5.7	5.7	5.4	5.4
5°	8.7	8.7	9.0	9.7	9.0	8.7	8.7	8.1	8.7	7.5	7.5
7.5°	11.2	11.5	12.4	12.7	12.4	13.6	12.4	11.8	11.8	11.2	11.2
10°	13.3	13.9	15.1	15.4	16.6	15.4	15.1	13.6	13.3	12.7	12.7
12.5°	15.7	16.0	16.3	16.9	16.6	16.9	16.6	15.1	13.6	12.7	12.7
15°	17.5	17.8	18.7	19.9	19.0	18.7	18.7	17.5	15.7	13.9	13.6
17.5°	18.7	19.9	20.8	21.7	21.4	20.8	19.9	19.0	16.3	15.4	15.1
20°	20.2	21.1	23.5	23.8	23.5	22.6	21.7	19.9	17.8	16.9	16.9
22.5°	21.7	23.2	25.3	25.6	24.7	24.1	23.8	21.4	19.6	18.7	19.3
25°	23.8	24.7	26.5	26.8	27.1	25.6	25.6	23.5	22.3	23.2	23.8
27.5°	25.6	26.5	28.3	28.7	28.7	27.1	26.8	25.6	25.6	26.5	27.4
30°	27.7	28.0	30.2	30.2	30.2	28.7	28.0	27.1	27.7	29.3	30.2
32.5°	29.0	29.9	31.4	32.0	31.1	30.2	29.6	29.0	30.2	32.3	32.9
35°	30.2	31.1	32.6	33.5	32.6	32.0	30.8	30.5	32.9	35.0	35.6
37.5°	32.0	32.6	34.1	34.7	33.8	33.5	32.0	32.6	36.5	38.3	39.5
40°	33.5	34.1	35.6	36.2	35.6	35.3	33.5	35.0	40.4	42.8	43.7
42.5°	36.5	37.1	38.9	38.3	38.0	38.0	35.9	38.9	46.7	48.9	50.7
45°	44.3	44.6	46.7	44.0	43.7	45.2	42.8	48.0	60.9	64.2	67.6
47.5°	49.8	48.9	51.9	48.3	47.7	49.2	46.7	54.6	74.5	77.5	82.0
50°	57.6	55.8	58.2	53.4	52.2	55.5	53.4	66.0	91.1	96.5	99.8
52.5°	62.4	60.0	62.4	55.8	54.6	59.1	56.7	72.1	100.1	109.2	113.1
55°	64.8	60.6	63.6	56.7	55.8	60.6	57.6	75.4	107.1	120.3	123.0
56°	*65.1*	*60.3*	*63.0*	*56.7*	*55.5*	*60.0*	*57.6*	*76.0*	*108.6*	*122.1*	*123.7*
57.5°	64.5	59.1	62.1	56.1	54.9	59.1	56.7	76.6	109.5	122.4	123.4
60°	63.0	57.3	60.0	54.3	52.8	57.0	54.6	76.3	109.2	121.5	122.1
62.5°	60.6	54.3	57.3	51.3	50.1	54.3	51.6	74.8	107.4	120.9	122.1
65°	56.4	50.1	52.5	47.0	45.5	49.5	47.3	70.3	102.2	116.1	116.7
67.5°	51.0	44.6	46.7	41.9	40.4	44.3	42.2	64.5	94.7	107.1	106.2
70°	45.2	38.6	40.4	35.9	34.4	38.3	36.2	57.6	85.0	95.9	94.4
72.5°	38.3	32.0	33.5	29.3	27.7	31.4	30.2	49.5	73.9	83.2	82.0
75°	30.8	25.0	25.6	22.0	21.1	24.1	23.5	39.5	59.7	67.3	66.3
77.5°	22.3	17.8	17.8	15.1	14.2	16.9	16.6	28.7	44.0	49.8	48.3
80°	13.6	10.9	10.6	9.0	8.4	10.3	10.0	17.2	27.1	31.1	29.3
82.5°	6.0	5.4	5.1	4.5	4.2	4.8	4.5	6.9	10.9	13.3	11.2
85°	1.5	1.8	2.1	2.1	2.1	2.1	1.5	2.1	2.7	3.0	3.0
87.5°	0.9	0.9	1.5	1.5	1.5	1.5	0.9	1.5	2.1	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

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: SP1-2509-539-6

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

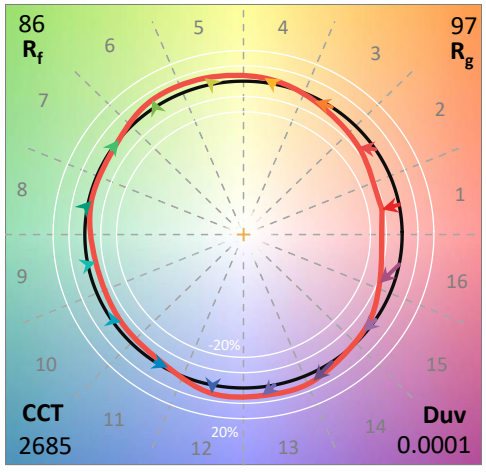
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2509-539-6
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-C1-827-LED-XX-Dx-S-GM-SPECULAR REFLECTOR

Spectral Parameters

CCT (K):	2685
CIE u':	0.2631
CIE v':	0.5278
Duv:	0.0001
CIE x:	0.4613
CIE y:	0.4112
CIE z:	0.1276
Peak Wavelength (nm):	607
Dominant Wavelength (nm):	584
Purity:	61.87869
Rf:	85.8
Rg:	97.1

CRI (Ra):	83.3				
R1:	82.0	R9:	7.2		
R2:	92.1	R10:	83.2		
R3:	95.4	R11:	84.1		
R4:	82.6	R12:	80.9		
R5:	82.9	R13:	84.4		
R6:	92.4	R14:	98.1		
R7:	81.6	R15:	73.2		
R8:	57.2				



Test Conditions

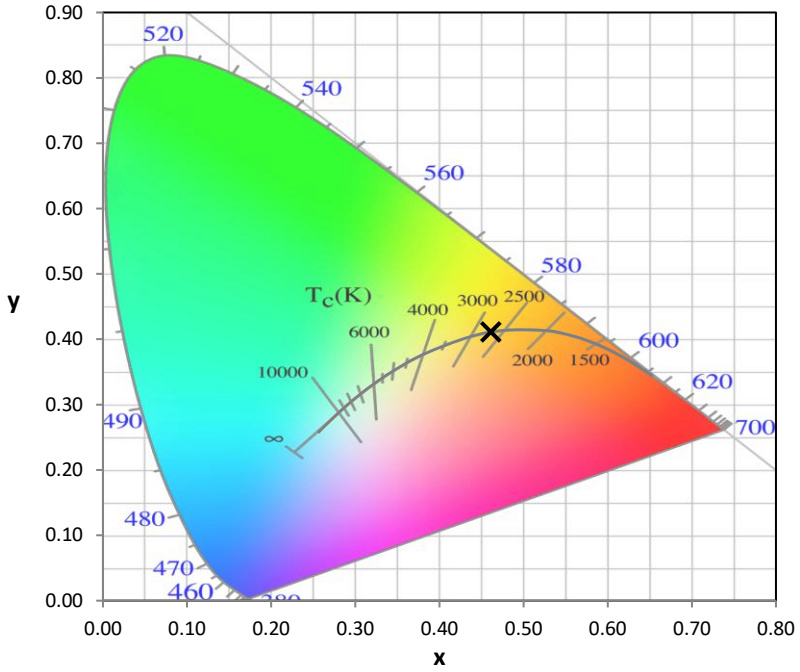
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-6

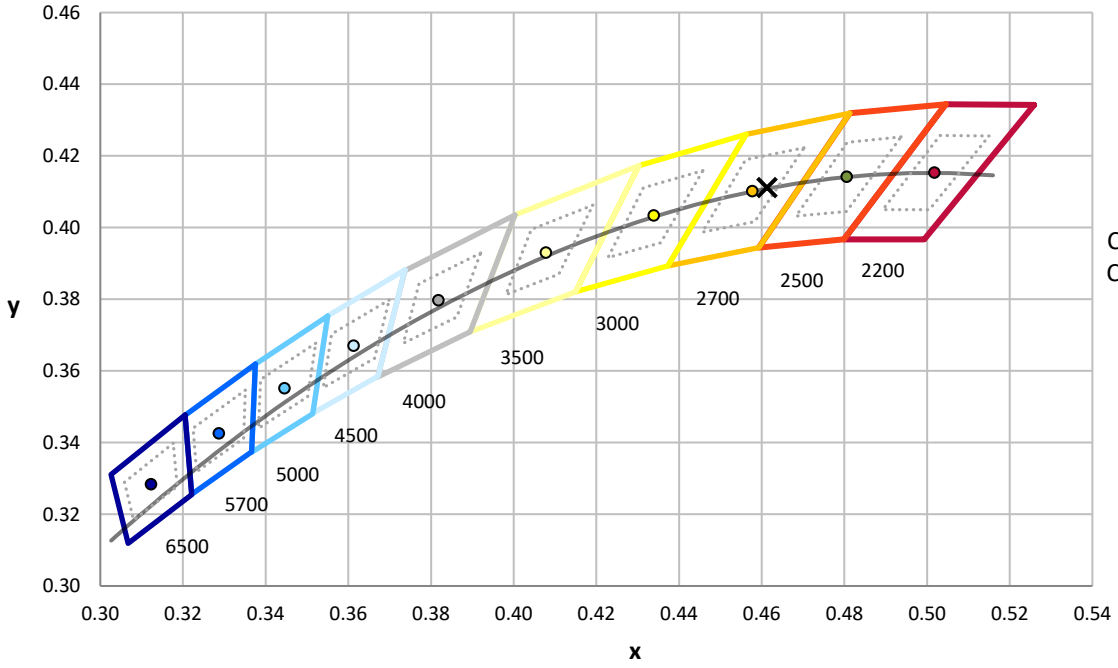
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

CIE 1931 Chromaticity Diagram



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

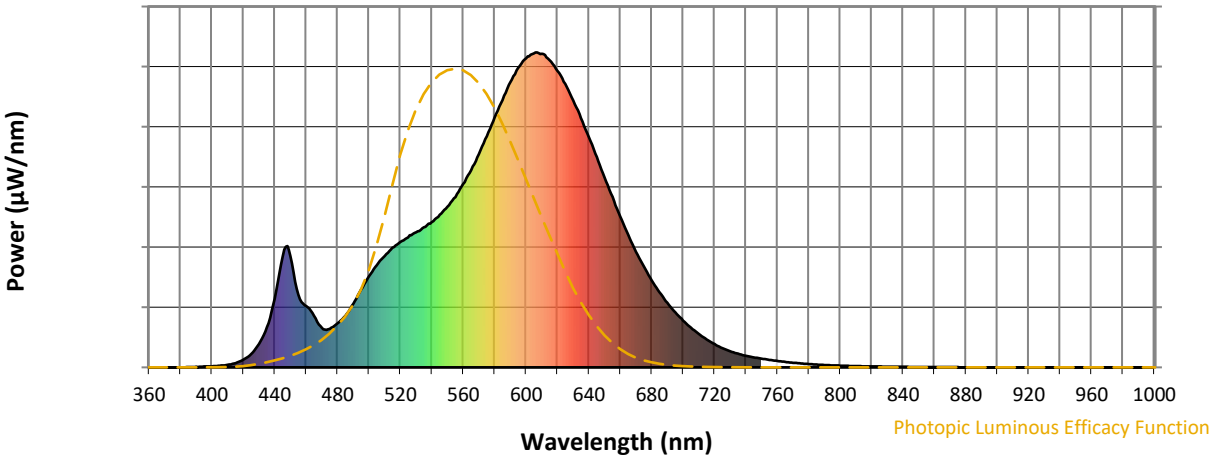


CCT = 2685K
CIE x = 0.4613
CIE y = 0.4112
Duv = 0.0001

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2509-539-6

Photopic Flux vs. Wavelength

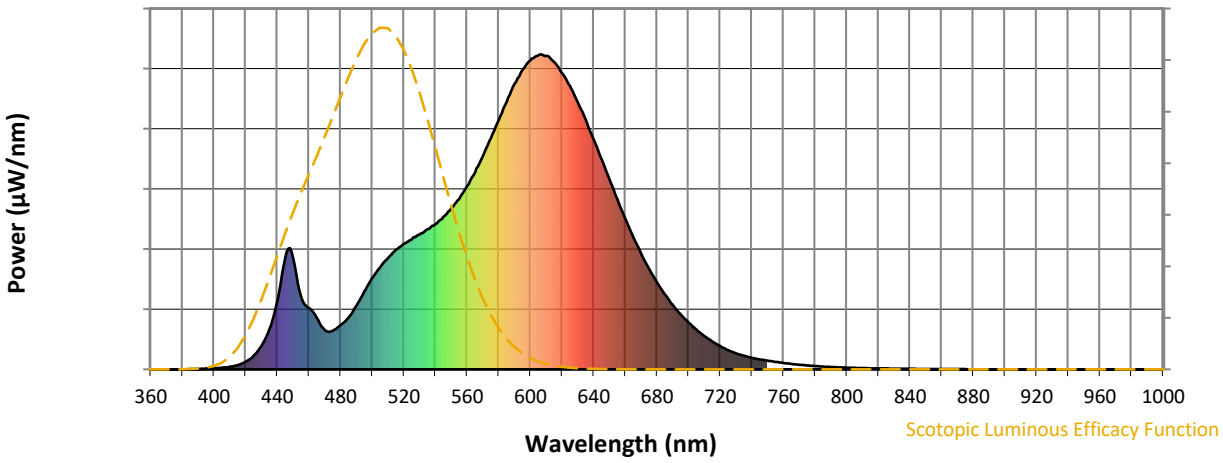


Photopic Lumens: NR

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	202	NR	620	941	NR	750	28	NR	880	0	NR
365	0	NR	495	247	NR	625	900	NR	755	24	NR	885	0	NR
370	0	NR	500	290	NR	630	847	NR	760	20	NR	890	0	NR
375	0	NR	505	324	NR	635	791	NR	765	17	NR	895	0	NR
380	0	NR	510	354	NR	640	730	NR	770	15	NR	900	0	NR
385	1	NR	515	380	NR	645	668	NR	775	13	NR	905	0	NR
390	2	NR	520	398	NR	650	602	NR	780	11	NR	910	0	NR
395	3	NR	525	413	NR	655	541	NR	785	9	NR	915	0	NR
400	3	NR	530	428	NR	660	478	NR	790	8	NR	920	0	NR
405	5	NR	535	445	NR	665	421	NR	795	6	NR	925	0	NR
410	8	NR	540	461	NR	670	367	NR	800	5	NR	930	0	NR
415	14	NR	545	485	NR	675	320	NR	805	5	NR	935	0	NR
420	24	NR	550	510	NR	680	277	NR	810	4	NR	940	0	NR
425	43	NR	555	541	NR	685	238	NR	815	3	NR	945	0	NR
430	74	NR	560	582	NR	690	205	NR	820	3	NR	950	0	NR
435	128	NR	565	626	NR	695	175	NR	825	3	NR	955	0	NR
440	218	NR	570	677	NR	700	148	NR	830	2	NR	960	0	NR
445	352	NR	575	734	NR	705	126	NR	835	2	NR	965	0	NR
450	354	NR	580	793	NR	710	106	NR	840	2	NR	970	0	NR
455	230	NR	585	849	NR	715	89	NR	845	1	NR	975	0	NR
460	195	NR	590	907	NR	720	74	NR	850	1	NR	980	0	NR
465	164	NR	595	951	NR	725	61	NR	855	1	NR	985	0	NR
470	125	NR	600	981	NR	730	51	NR	860	1	NR	990	0	NR
475	122	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	996	NR	740	37	NR	870	1	NR	1000	0	NR
485	164	NR	615	976	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP1-2509-539-6

Scotopic Flux vs. Wavelength

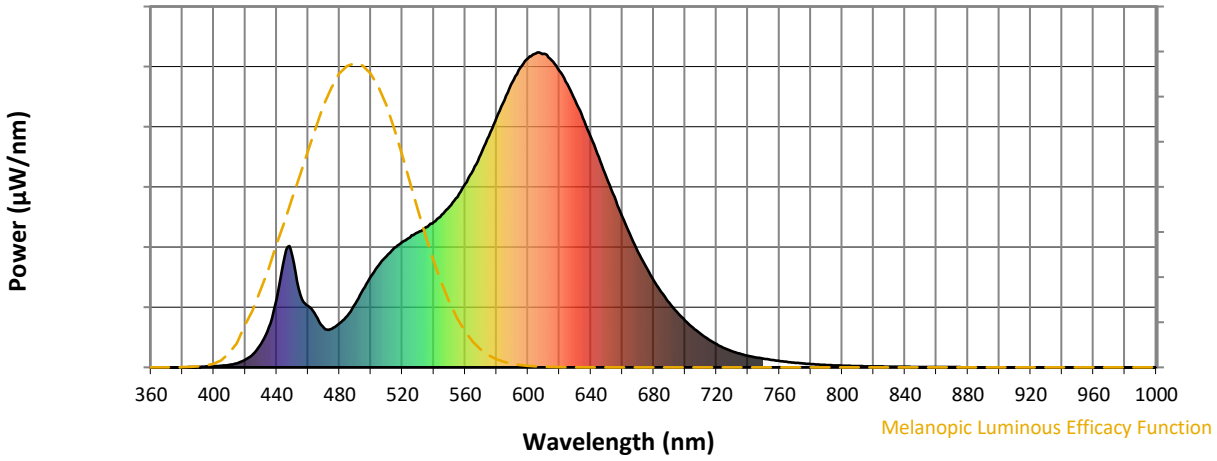


Scotopic Lumens: NR **S/P: 1.22**

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	202	NR	620	941	NR	750	28	NR	880	0	NR
365	0	NR	495	247	NR	625	900	NR	755	24	NR	885	0	NR
370	0	NR	500	290	NR	630	847	NR	760	20	NR	890	0	NR
375	0	NR	505	324	NR	635	791	NR	765	17	NR	895	0	NR
380	0	NR	510	354	NR	640	730	NR	770	15	NR	900	0	NR
385	1	NR	515	380	NR	645	668	NR	775	13	NR	905	0	NR
390	2	NR	520	398	NR	650	602	NR	780	11	NR	910	0	NR
395	3	NR	525	413	NR	655	541	NR	785	9	NR	915	0	NR
400	3	NR	530	428	NR	660	478	NR	790	8	NR	920	0	NR
405	5	NR	535	445	NR	665	421	NR	795	6	NR	925	0	NR
410	8	NR	540	461	NR	670	367	NR	800	5	NR	930	0	NR
415	14	NR	545	485	NR	675	320	NR	805	5	NR	935	0	NR
420	24	NR	550	510	NR	680	277	NR	810	4	NR	940	0	NR
425	43	NR	555	541	NR	685	238	NR	815	3	NR	945	0	NR
430	74	NR	560	582	NR	690	205	NR	820	3	NR	950	0	NR
435	128	NR	565	626	NR	695	175	NR	825	3	NR	955	0	NR
440	218	NR	570	677	NR	700	148	NR	830	2	NR	960	0	NR
445	352	NR	575	734	NR	705	126	NR	835	2	NR	965	0	NR
450	354	NR	580	793	NR	710	106	NR	840	2	NR	970	0	NR
455	230	NR	585	849	NR	715	89	NR	845	1	NR	975	0	NR
460	195	NR	590	907	NR	720	74	NR	850	1	NR	980	0	NR
465	164	NR	595	951	NR	725	61	NR	855	1	NR	985	0	NR
470	125	NR	600	981	NR	730	51	NR	860	1	NR	990	0	NR
475	122	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	996	NR	740	37	NR	870	1	NR	1000	0	NR
485	164	NR	615	976	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP1-2509-539-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.26**

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	202	NR	620	941	NR	750	28	NR	880	0	NR
365	0	NR	495	247	NR	625	900	NR	755	24	NR	885	0	NR
370	0	NR	500	290	NR	630	847	NR	760	20	NR	890	0	NR
375	0	NR	505	324	NR	635	791	NR	765	17	NR	895	0	NR
380	0	NR	510	354	NR	640	730	NR	770	15	NR	900	0	NR
385	1	NR	515	380	NR	645	668	NR	775	13	NR	905	0	NR
390	2	NR	520	398	NR	650	602	NR	780	11	NR	910	0	NR
395	3	NR	525	413	NR	655	541	NR	785	9	NR	915	0	NR
400	3	NR	530	428	NR	660	478	NR	790	8	NR	920	0	NR
405	5	NR	535	445	NR	665	421	NR	795	6	NR	925	0	NR
410	8	NR	540	461	NR	670	367	NR	800	5	NR	930	0	NR
415	14	NR	545	485	NR	675	320	NR	805	5	NR	935	0	NR
420	24	NR	550	510	NR	680	277	NR	810	4	NR	940	0	NR
425	43	NR	555	541	NR	685	238	NR	815	3	NR	945	0	NR
430	74	NR	560	582	NR	690	205	NR	820	3	NR	950	0	NR
435	128	NR	565	626	NR	695	175	NR	825	3	NR	955	0	NR
440	218	NR	570	677	NR	700	148	NR	830	2	NR	960	0	NR
445	352	NR	575	734	NR	705	126	NR	835	2	NR	965	0	NR
450	354	NR	580	793	NR	710	106	NR	840	2	NR	970	0	NR
455	230	NR	585	849	NR	715	89	NR	845	1	NR	975	0	NR
460	195	NR	590	907	NR	720	74	NR	850	1	NR	980	0	NR
465	164	NR	595	951	NR	725	61	NR	855	1	NR	985	0	NR
470	125	NR	600	981	NR	730	51	NR	860	1	NR	990	0	NR
475	122	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	996	NR	740	37	NR	870	1	NR	1000	0	NR
485	164	NR	615	976	NR	745	32	NR	875	1	NR			

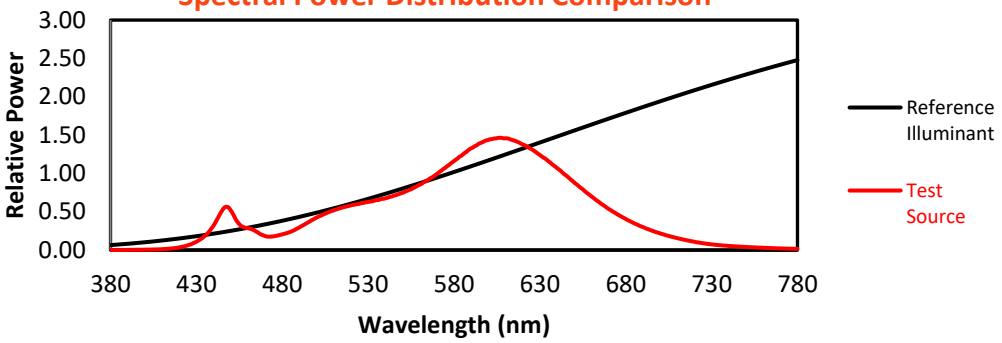
REPORT NUMBER: SP1-2509-539-6

TM-30-18

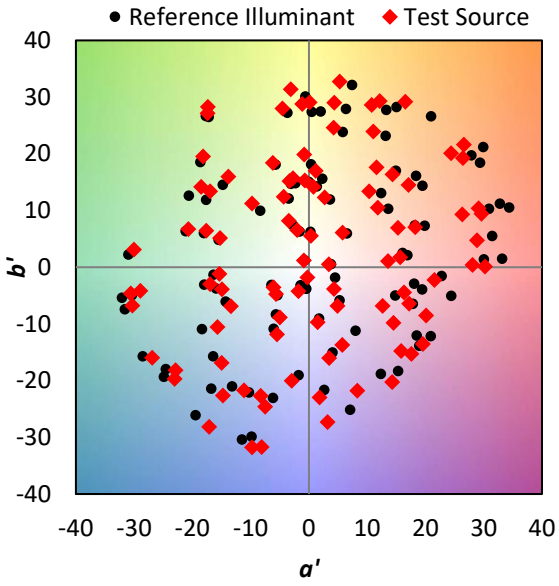
Summary

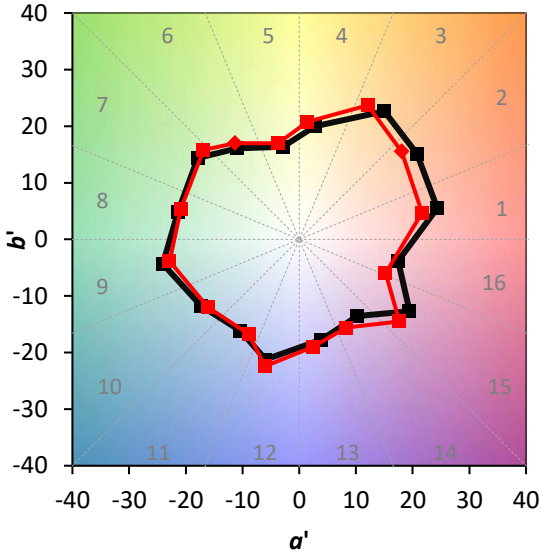
R_f = 85.8
R_g = 97.1
CIE R_a = 83.3
R_9 = 7.2

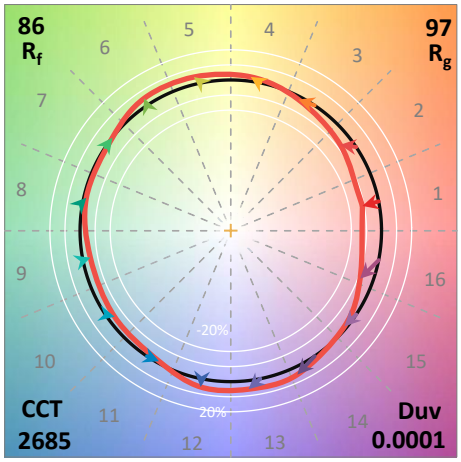
Spectral Power Distribution Comparison

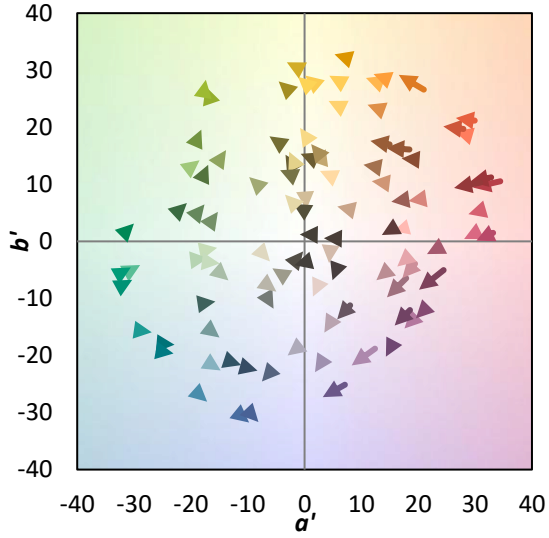


Color Vector Graphics







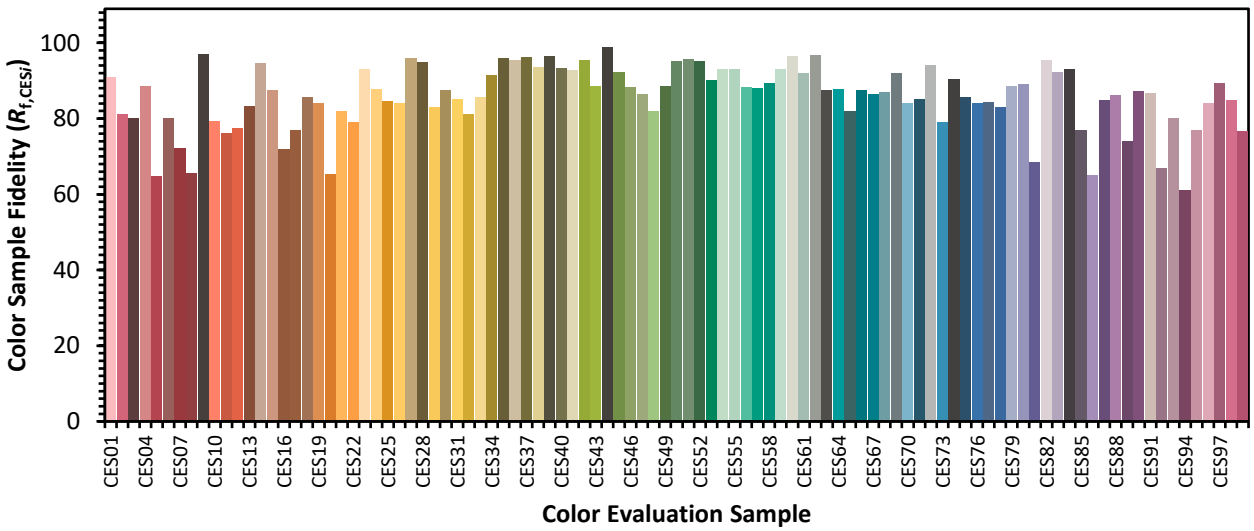


REPORT NUMBER: SP1-2509-539-6

TM-30-18

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

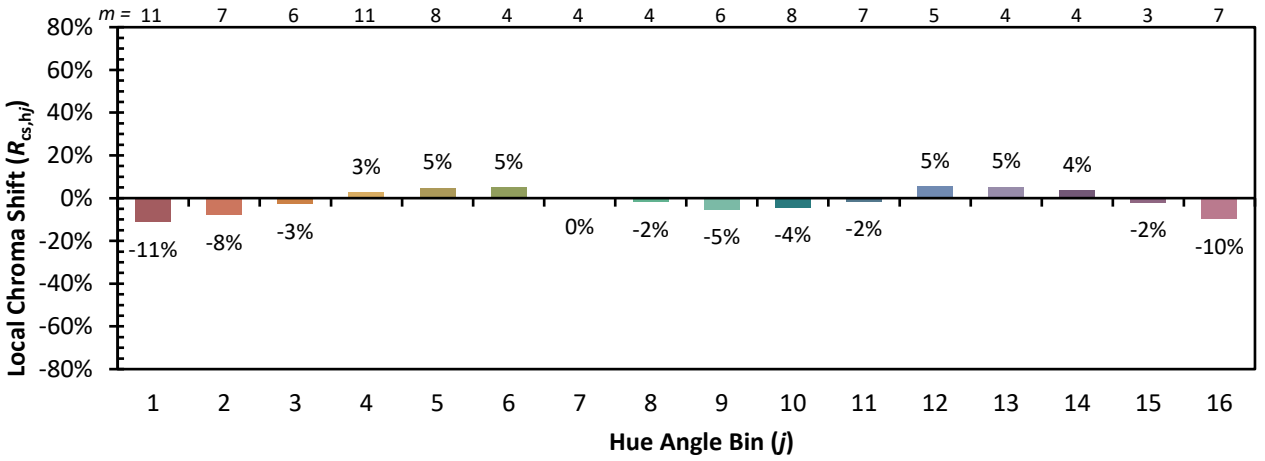
CES01 = 86	CES26 = 84	CES51 = 96	CES76 = 84
CES02 = 64	CES27 = 96	CES52 = 95	CES77 = 84
CES03 = 32	CES28 = 95	CES53 = 90	CES78 = 83
CES04 = 71	CES29 = 83	CES54 = 93	CES79 = 89
CES05 = 51	CES30 = 87	CES55 = 93	CES80 = 89
CES06 = 52	CES31 = 85	CES56 = 88	CES81 = 69
CES07 = 43	CES32 = 81	CES57 = 88	CES82 = 95
CES08 = 42	CES33 = 86	CES58 = 89	CES83 = 92
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 93
CES10 = 77	CES35 = 96	CES60 = 97	CES85 = 77
CES11 = 60	CES36 = 95	CES61 = 92	CES86 = 65
CES12 = 66	CES37 = 96	CES62 = 97	CES87 = 85
CES13 = 44	CES38 = 94	CES63 = 87	CES88 = 86
CES14 = 74	CES39 = 96	CES64 = 88	CES89 = 74
CES15 = 72	CES40 = 93	CES65 = 82	CES90 = 87
CES16 = 48	CES41 = 93	CES66 = 87	CES91 = 87
CES17 = 50	CES42 = 95	CES67 = 86	CES92 = 67
CES18 = 57	CES43 = 89	CES68 = 87	CES93 = 80
CES19 = 73	CES44 = 99	CES69 = 92	CES94 = 61
CES20 = 67	CES45 = 92	CES70 = 84	CES95 = 77
CES21 = 87	CES46 = 88	CES71 = 85	CES96 = 84
CES22 = 79	CES47 = 86	CES72 = 94	CES97 = 89
CES23 = 92	CES48 = 82	CES73 = 79	CES98 = 85
CES24 = 91	CES49 = 89	CES74 = 90	CES99 = 77
CES25 = 72	CES50 = 95	CES75 = 86	

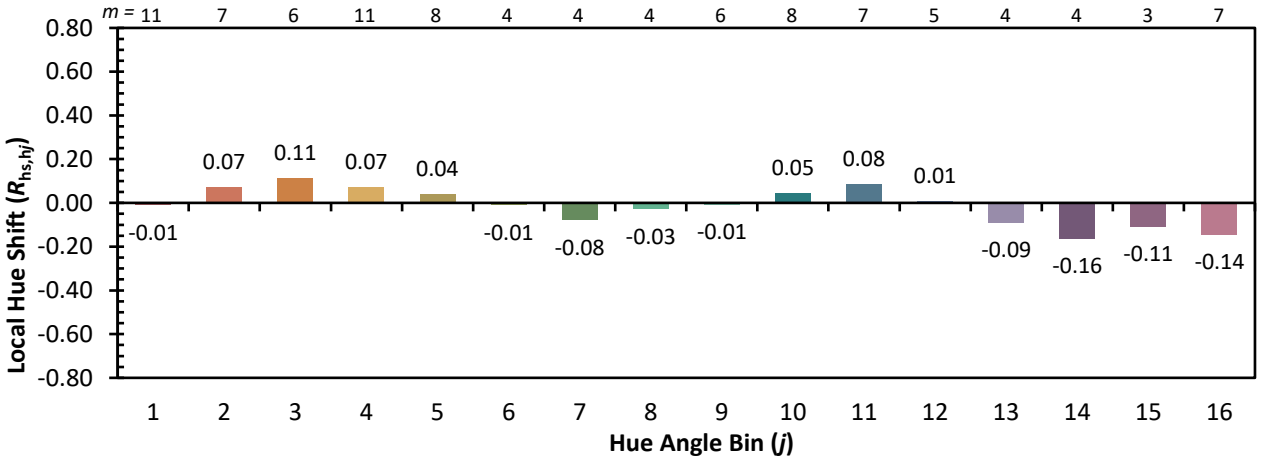


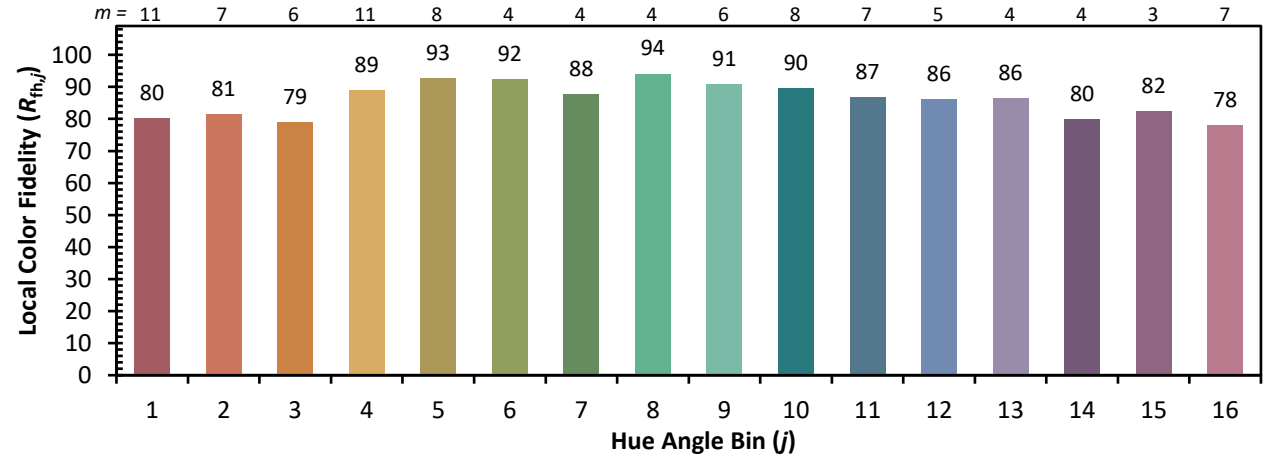
REPORT NUMBER: SP1-2509-539-6

TM-30-18

Color Rendition by Hue-Angle Bin



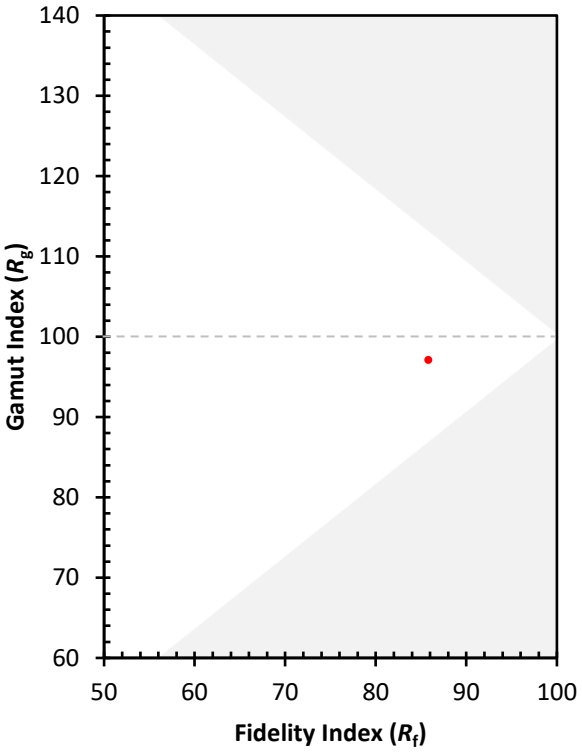


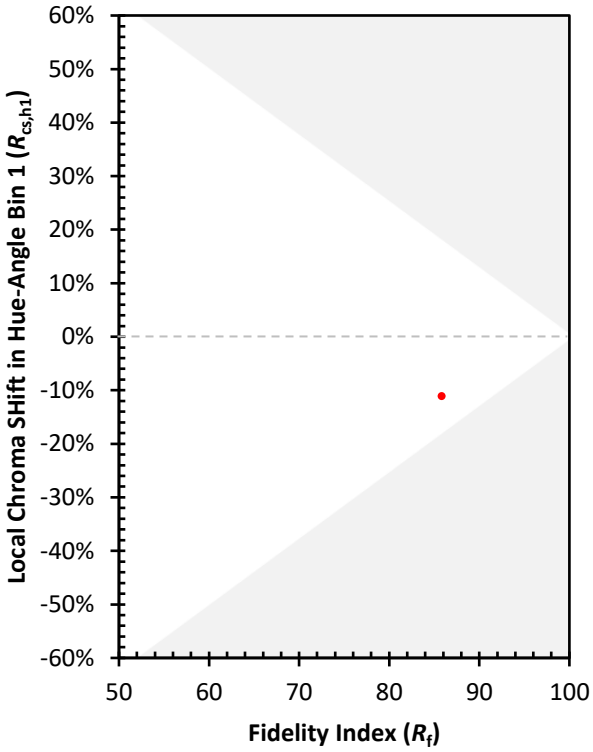


REPORT NUMBER: SP1-2509-539-6

TM-30-18

Measure Comparisons





(END OF REPORT)