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: P1442119

Luminaire Tested: LXB-C3-830-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:	P1442119
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2509-539-26)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	4/24/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	INVUE
Catalog Number:	LXB-C3-830-X-U-A-GM
Description:	LuxeScape 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:	1064.2 lumens
Efficiency:	N/A
Efficacy:	44.9 lumens/watt
Luminous Opening:	Circular (Dia: 0.4' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

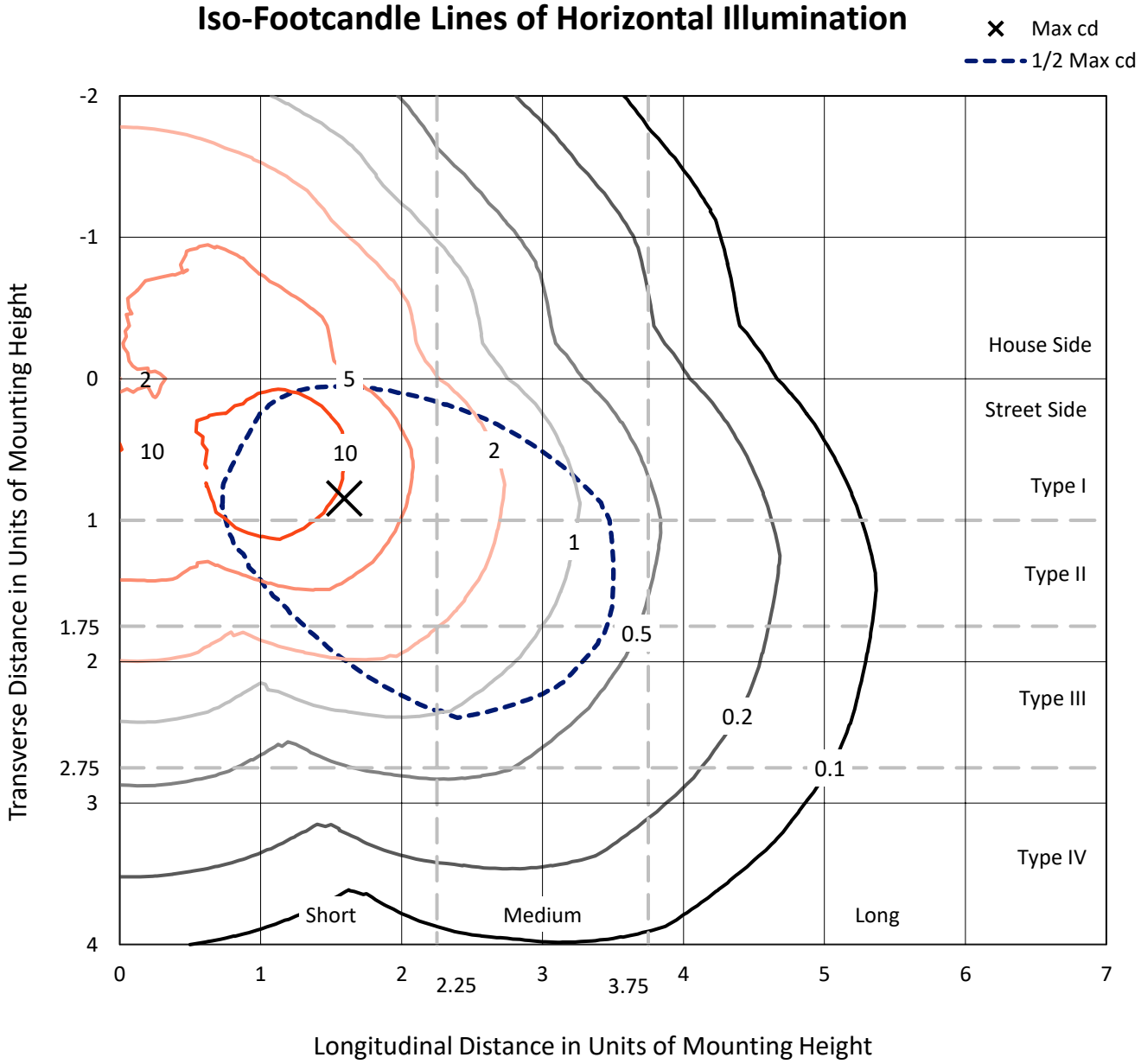
Input Watts (W):	23.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.9878
Total Harmonic Distortion (THDi):	0.130959
Frequency (hertz):	60
Stabilization Time:	0.5 HR
Operation Time:	3 HR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1442119
CATALOG NUMBER: LXB-C3-830-X-U-A-GM

Iso-Footcandle Lines of Horizontal Illumination



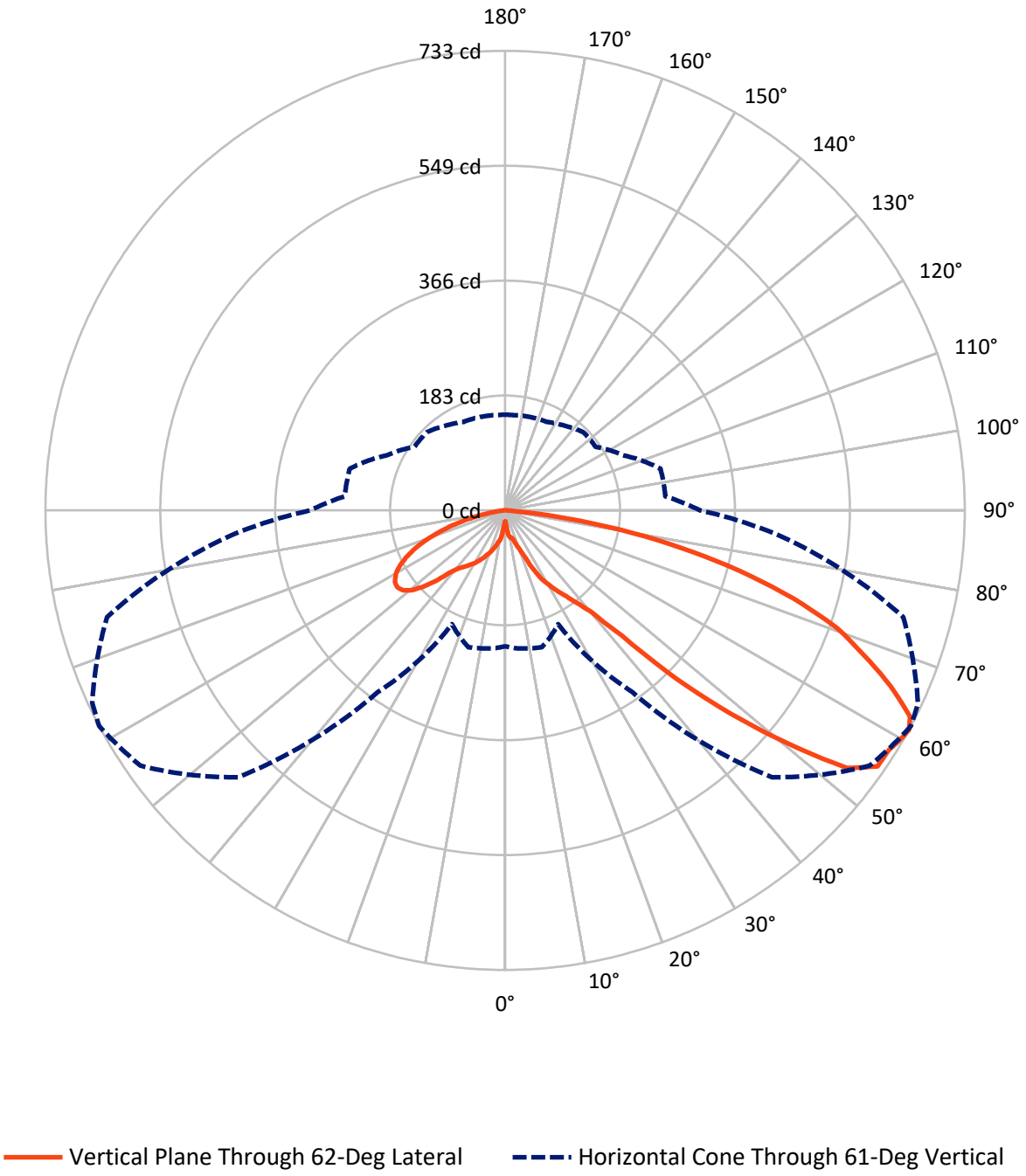
Based on 3 foot mounting height. Maximum calculated value = 17.1 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1442119
CATALOG NUMBER: LXB-C3-830-X-U-A-GM

Luminous Intensity Polar Plot



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

Scaled Data Report

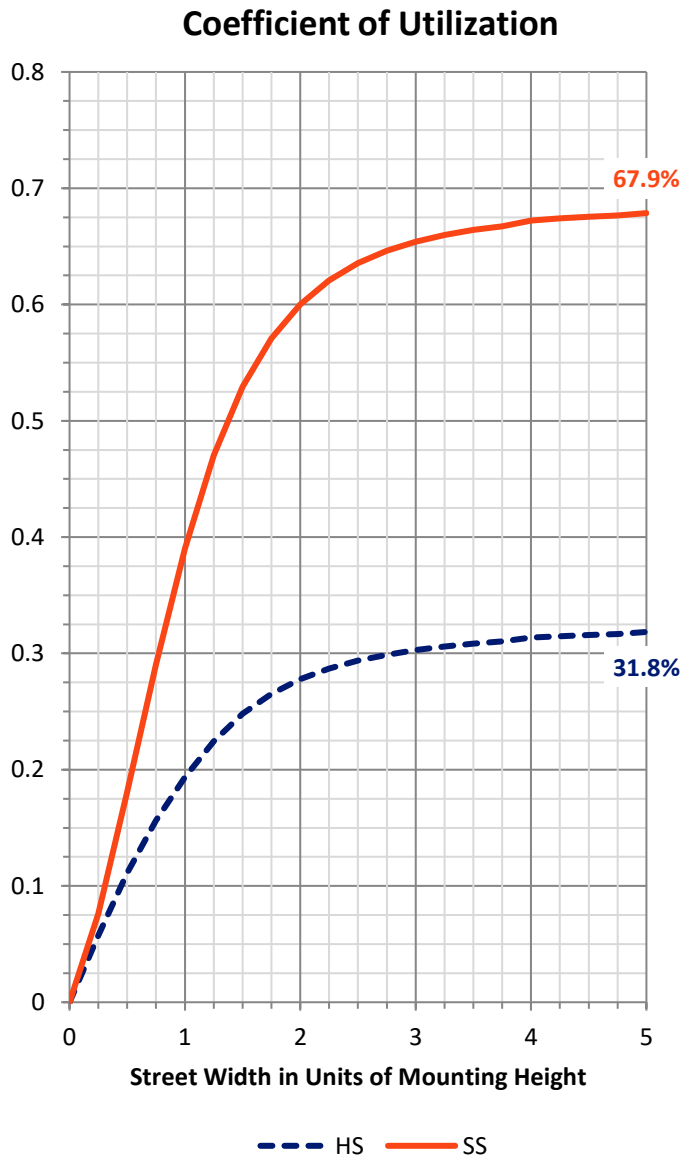
REPORT NUMBER: P1442119
CATALOG NUMBER: LXB-C3-830-X-U-A-GM

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	340.9	0.0	340.9
	% Fixture	32.0	0.0	32.0
Street Side	Lumens	723.3	0.0	723.3
	% Fixture	68.0	0.0	68.0
Total	Lumens	1064.2	0.0	1064.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.3
10°-20°	17.8	1.7
20°-30°	41.6	3.9
30°-40°	77.1	7.2
40°-50°	164.0	15.4
50°-60°	288.9	27.2
60°-70°	286.9	27.0
70°-80°	163.3	15.3
80°-90°	20.9	2.0
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°	1064.2	100.0
0°-180°	1064.2	100.0



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

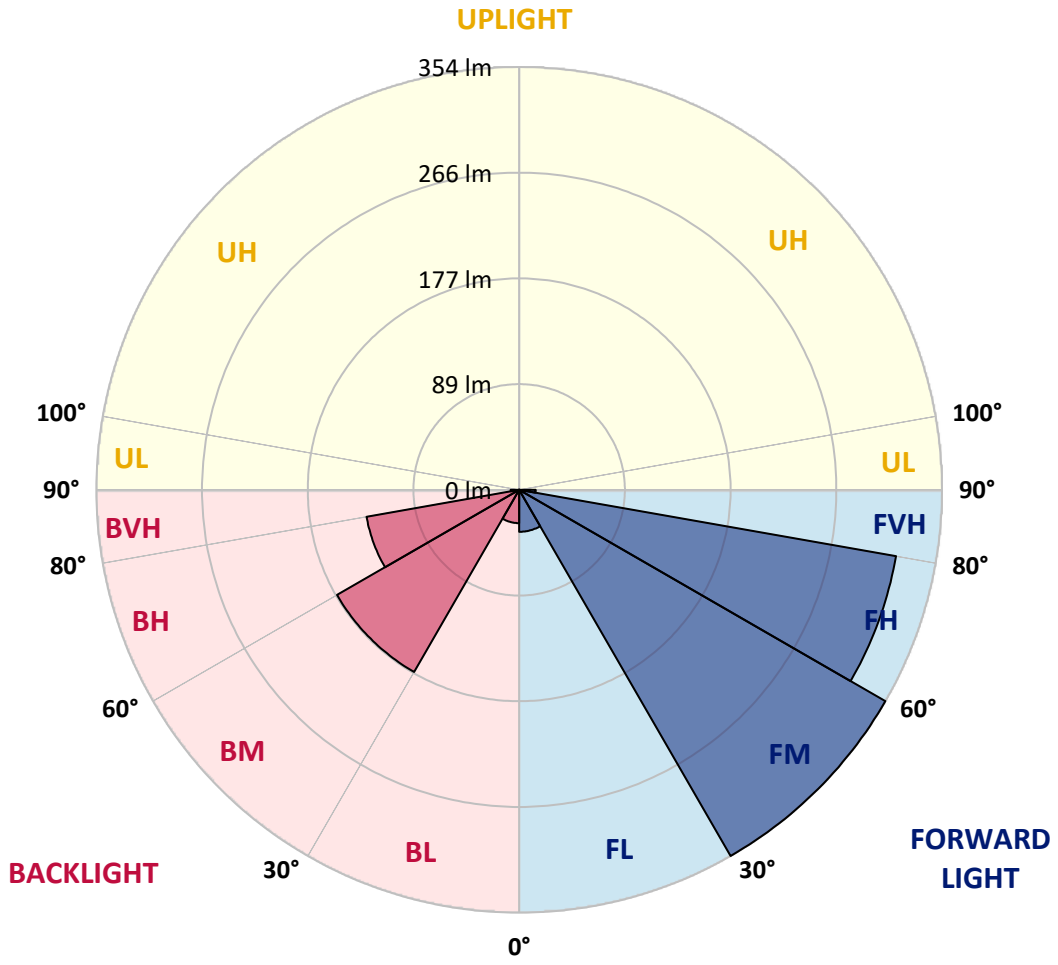
Scaled Data Report

REPORT NUMBER: P1442119
CATALOG NUMBER: LXB-C3-830-X-U-A-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	35.2	3.3			
FM	(30°-60°)	354.0	33.3			
FH	(60°-80°)	320.4	30.1			G0/660
FVH	(80°-90°)	13.8	1.3			G1/100
BL	(0°-30°)	27.9	2.6	B0/110		
BM	(30°-60°)	176.1	16.5	B0/220		
BH	(60°-80°)	129.7	12.2	B1/500		G1/500
BVH	(80°-90°)	7.2	0.7			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: P1442119
CATALOG NUMBER: LXB-C3-830-X-U-A-GM

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62°	65°	75°	85°
0°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	*17.3*	17.3	17.3	17.3
2.5°	21.4	22.2	21.4	23.9	21.4	20.6	20.6	*20.6*	20.6	19.0	18.1
5°	36.3	37.9	37.1	35.4	33.8	33.8	30.5	*28.8*	27.2	25.5	23.9
7.5°	58.5	55.2	61.8	58.5	51.1	46.1	42.8	*40.4*	39.6	37.1	36.3
10°	72.5	76.6	69.2	67.6	64.3	56.0	47.8	*43.7*	42.8	40.4	37.9
12.5°	84.9	79.1	78.3	78.3	69.2	60.2	49.4	*44.5*	42.8	41.2	39.6
15°	89.0	91.5	89.8	85.7	76.6	62.6	52.7	*47.8*	46.1	43.7	46.1
17.5°	99.7	99.7	99.7	87.3	79.1	66.7	59.3	*56.9*	55.2	51.1	51.1
20°	107.1	107.9	108.8	91.5	83.2	73.3	69.2	*65.9*	65.1	61.0	56.9
22.5°	114.5	116.2	114.5	99.7	89.0	80.8	79.9	*79.9*	77.5	71.7	66.7
25°	121.1	122.8	118.7	103.8	97.2	91.5	101.4	*103.0*	99.7	84.0	79.1
27.5°	129.4	130.2	124.4	112.9	103.8	107.1	122.8	*123.6*	122.0	100.5	89.8
30°	136.0	136.0	130.2	117.0	110.4	122.8	136.8	*137.6*	137.6	122.8	101.4
32.5°	140.9	140.1	136.0	122.0	117.0	136.8	150.8	*153.3*	152.4	138.4	111.2
35°	145.0	145.0	140.1	126.9	124.4	150.8	165.6	*168.1*	167.3	154.1	122.0
37.5°	150.8	150.0	145.8	131.8	133.5	168.9	185.4	*187.9*	188.7	173.9	136.0
40°	157.4	155.7	152.4	139.3	146.7	190.3	210.1	*214.2*	214.2	200.2	153.3
42.5°	168.9	166.4	168.1	152.4	170.6	235.7	264.5	*272.7*	269.4	255.4	189.5
45°	196.9	194.5	201.9	182.9	215.9	327.1	376.6	*382.3*	385.6	346.9	245.6
47.5°	212.6	210.1	224.1	199.4	255.4	407.9	468.0	*484.5*	479.6	449.1	306.5
50°	229.1	228.2	243.9	220.0	305.7	497.7	571.9	*584.2*	586.7	537.2	358.4
52.5°	234.8	235.7	254.6	230.7	337.8	564.4	664.1	*682.3*	681.4	608.9	398.0
55°	236.5	239.8	253.8	227.4	352.7	600.7	706.2	*720.2*	716.9	645.2	424.4
57.5°	233.2	236.5	243.9	216.7	360.1	608.1	706.2	*721.0*	716.9	656.7	437.5
60°	221.7	226.6	232.4	206.0	357.6	604.8	706.2	*730.1*	722.6	657.6	436.7
61°	*216.7*	*220.8*	*225.8*	*200.2*	*353.5*	*601.5*	*709.5*	*732.5*	*725.9*	*656.7*	*433.4*
62.5°	206.8	210.9	214.2	189.5	343.6	593.3	703.7	*724.3*	719.4	646.8	422.7
65°	186.2	190.3	191.2	169.7	323.8	564.4	663.3	*674.9*	674.0	609.8	397.2
67.5°	162.3	166.4	166.4	146.7	299.1	521.6	604.0	*617.2*	613.9	561.1	365.0
70°	135.1	138.4	138.4	122.8	267.0	465.6	544.7	*561.1*	556.2	501.0	324.7
72.5°	108.8	110.4	107.1	96.4	225.0	398.0	466.4	*480.4*	478.7	428.5	274.4
75°	77.5	77.5	75.8	69.2	176.3	318.1	374.1	*387.3*	382.3	344.4	215.1
77.5°	49.4	47.8	46.1	44.5	124.4	232.4	275.2	*285.9*	281.8	251.3	151.6
80°	27.2	24.7	23.1	23.9	70.9	142.6	173.9	*183.8*	180.5	154.9	88.2
82.5°	13.2	12.4	10.7	9.9	23.9	53.6	71.7	*80.8*	77.5	61.0	35.4
85°	5.8	5.8	5.8	3.3	5.8	9.1	12.4	*14.0*	14.8	14.8	9.1
87.5°	4.1	4.1	4.1	1.6	3.3	4.9	5.8	*5.8*	5.8	5.8	4.1
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: P1442119
CATALOG NUMBER: LXB-C3-830-X-U-A-GM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
2.5°	18.1	18.1	19.0	19.8	20.6	21.4	19.8	19.0	18.1	16.5	16.5
5°	23.9	23.1	23.1	28.0	27.2	30.5	32.1	31.3	28.0	28.0	28.0
7.5°	35.4	33.8	33.0	37.1	39.6	45.3	47.0	42.8	37.9	36.3	35.4
10°	37.1	37.1	38.7	44.5	55.2	57.7	57.7	51.1	47.8	45.3	44.5
12.5°	38.7	37.9	42.0	47.8	60.2	61.0	61.0	56.9	51.9	47.0	47.0
15°	45.3	46.1	47.8	56.9	63.4	66.7	66.7	64.3	57.7	46.1	45.3
17.5°	51.1	53.6	57.7	62.6	67.6	71.7	70.9	67.6	57.7	48.6	46.1
20°	57.7	61.0	69.2	70.0	72.5	75.0	75.0	69.2	56.9	48.6	47.0
22.5°	66.7	70.9	77.5	76.6	75.8	78.3	79.9	72.5	57.7	50.3	48.6
25°	78.3	80.8	84.9	83.2	82.4	80.8	84.0	77.5	64.3	56.0	55.2
27.5°	88.2	89.8	92.3	89.8	88.2	85.7	87.3	82.4	69.2	61.8	61.0
30°	96.4	97.2	101.4	97.2	93.1	89.8	91.5	86.5	73.3	67.6	66.7
32.5°	104.6	106.3	107.1	103.0	97.2	93.9	94.8	88.2	76.6	72.5	70.9
35°	112.9	113.7	113.7	109.6	102.2	98.1	97.2	91.5	79.9	76.6	75.0
37.5°	121.1	122.0	122.0	116.2	107.9	103.0	101.4	93.9	84.0	80.8	79.9
40°	133.5	131.8	131.8	123.6	114.5	108.8	105.5	97.2	88.2	86.5	85.7
42.5°	155.7	152.4	150.0	137.6	127.7	117.8	113.7	104.6	96.4	94.8	93.1
45°	196.9	188.7	185.4	162.3	148.3	141.7	136.0	124.4	116.2	112.9	112.1
47.5°	239.0	218.4	218.4	183.8	164.8	158.2	150.8	138.4	129.4	126.1	125.2
50°	276.9	247.2	246.4	203.5	178.8	173.9	166.4	154.9	145.8	141.7	141.7
52.5°	304.1	267.8	266.2	215.1	187.0	184.6	174.7	163.2	154.1	150.8	150.0
55°	316.4	273.6	273.6	220.0	190.3	187.9	178.8	167.3	158.2	156.6	155.7
57.5°	318.1	268.6	268.6	219.2	186.2	185.4	174.7	163.2	158.2	156.6	156.6
60°	313.1	260.4	260.4	211.8	179.6	179.6	168.1	158.2	155.7	154.1	154.1
61°	*310.6*	*256.3*	*256.3*	*207.6*	*176.3*	*176.3*	*164.8*	*155.7*	*154.1*	*152.4*	*152.4*
62.5°	304.9	248.8	248.0	200.2	169.7	171.4	159.9	151.6	150.8	148.3	149.1
65°	284.3	229.1	228.2	183.8	154.9	158.2	147.5	142.6	140.9	140.1	140.1
67.5°	257.9	206.0	203.5	164.0	137.6	140.9	132.7	129.4	129.4	129.4	129.4
70°	226.6	178.8	176.3	140.1	117.8	122.8	114.5	114.5	116.2	116.2	116.2
72.5°	191.2	147.5	145.0	114.5	94.8	102.2	96.4	99.7	100.5	100.5	101.4
75°	150.0	113.7	111.2	86.5	72.5	79.1	76.6	80.8	82.4	83.2	83.2
77.5°	104.6	79.1	75.8	58.5	50.3	57.7	56.0	61.0	63.4	64.3	65.1
80°	58.5	47.0	43.7	34.6	30.5	37.1	36.3	40.4	43.7	45.3	45.3
82.5°	23.1	21.4	19.8	16.5	14.8	19.0	17.3	21.4	24.7	26.4	26.4
85°	5.8	6.6	8.2	6.6	6.6	6.6	5.8	7.4	9.9	10.7	10.7
87.5°	2.5	2.5	4.9	4.1	4.1	4.9	2.5	4.9	7.4	7.4	8.2
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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Invue

Report Number: SP1-2509-539-5

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

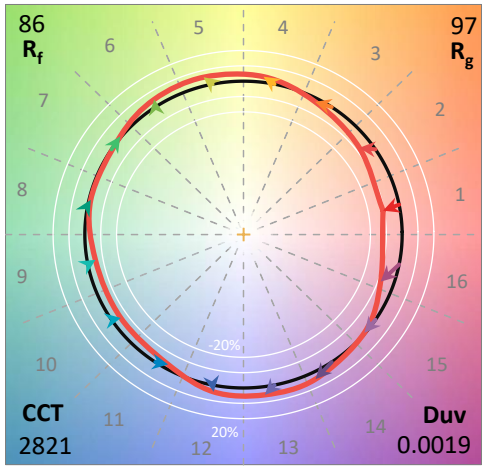
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2509-539-5
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-C1-830-LED-XX-Dx-S-GM-SPECULAR REFLECTOR

Spectral Parameters

CCT (K):	2821
CIE u':	0.2567
CIE v':	0.5277
Duv:	0.0019
CIE x:	0.4533
CIE y:	0.4141
CIE z:	0.1326
Peak Wavelength (nm):	607
Dominant Wavelength (nm):	583
Purity:	60.36315
Rf:	86.1
Rg:	97.2

CRI (Ra):	83.8				
R1:	82.0	R9:	8.2		
R2:	90.6	R10:	79.9		
R3:	97.7	R11:	85.5		
R4:	84.0	R12:	78.4		
R5:	82.7	R13:	83.9		
R6:	90.4	R14:	99.2		
R7:	83.6	R15:	73.1		
R8:	59.4				



Test Conditions

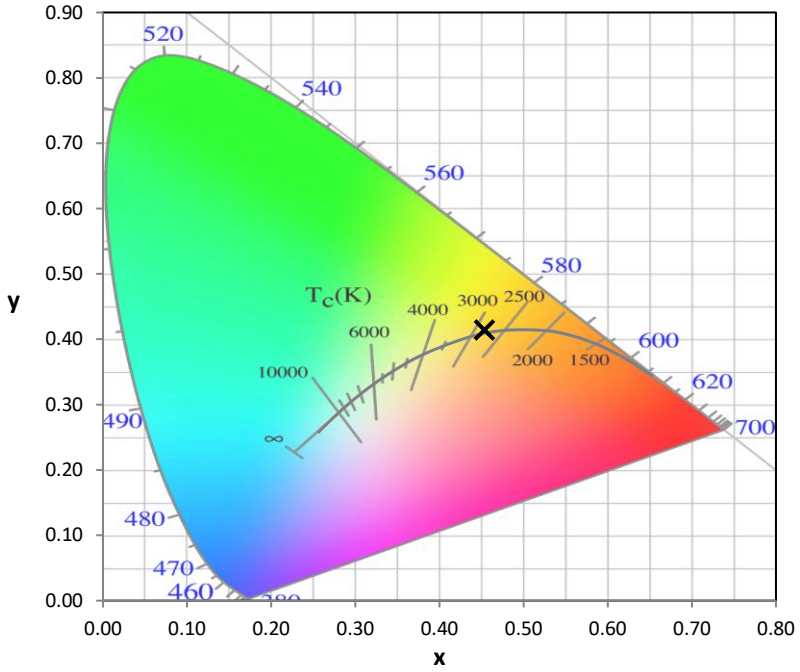
Stabilization Time:	28M
Operation Time:	1H 28M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-5

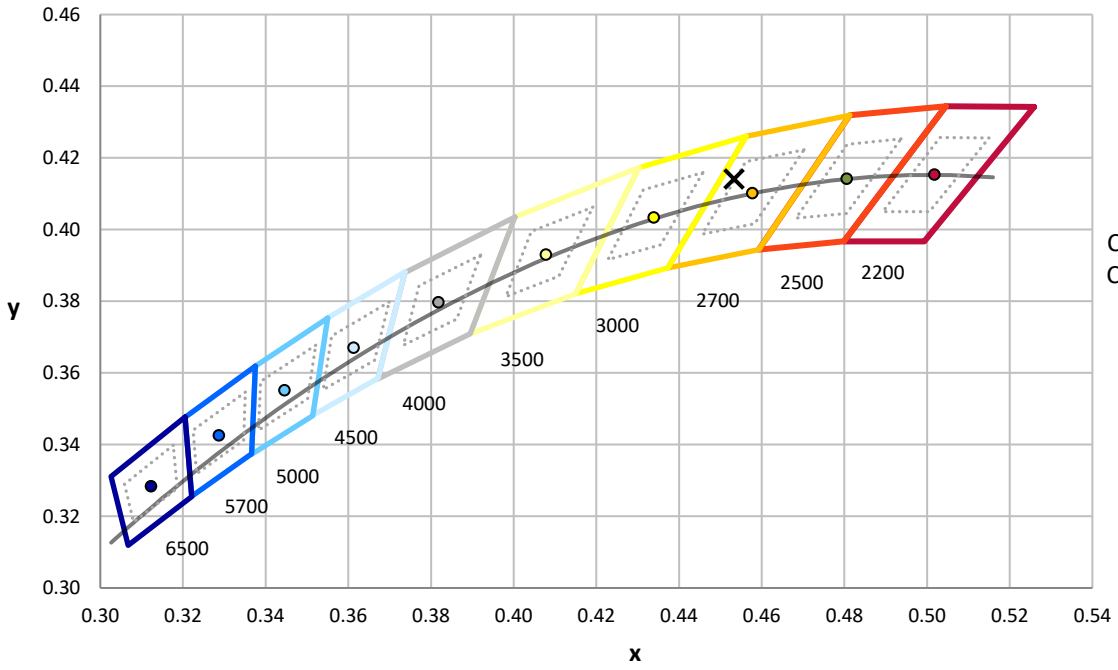
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	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: SP1-2509-539-5

CIE 1931 Chromaticity Diagram



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

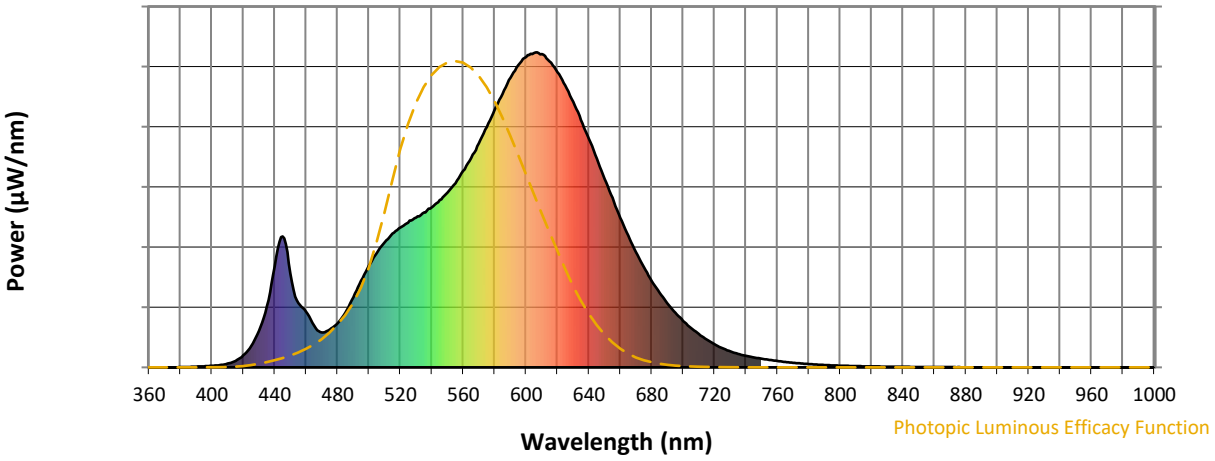


CCT = 2821K
CIE x = 0.4533
CIE y = 0.4141
Duv = 0.0019

Point lies inside the ANSI 2700K 7-step quadrangle

REPORT NUMBER: SP1-2509-539-5

Photopic Flux vs. Wavelength

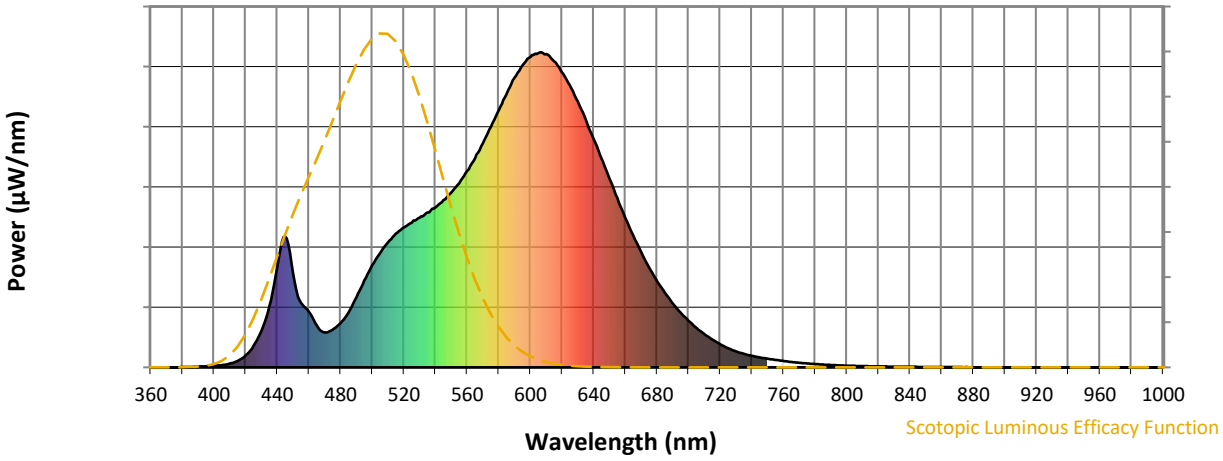


Photopic Lumens: NR

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	223	NR	620	936	NR	750	28	NR	880	0	NR
365	0	NR	495	275	NR	625	895	NR	755	24	NR	885	0	NR
370	0	NR	500	324	NR	630	843	NR	760	20	NR	890	0	NR
375	0	NR	505	363	NR	635	786	NR	765	17	NR	895	0	NR
380	1	NR	510	397	NR	640	725	NR	770	15	NR	900	0	NR
385	1	NR	515	425	NR	645	663	NR	775	12	NR	905	0	NR
390	2	NR	520	444	NR	650	599	NR	780	11	NR	910	0	NR
395	3	NR	525	459	NR	655	538	NR	785	9	NR	915	0	NR
400	5	NR	530	476	NR	660	475	NR	790	8	NR	920	0	NR
405	7	NR	535	492	NR	665	419	NR	795	6	NR	925	0	NR
410	12	NR	540	508	NR	670	365	NR	800	5	NR	930	0	NR
415	20	NR	545	531	NR	675	318	NR	805	5	NR	935	0	NR
420	38	NR	550	554	NR	680	274	NR	810	4	NR	940	0	NR
425	68	NR	555	584	NR	685	237	NR	815	3	NR	945	0	NR
430	116	NR	560	623	NR	690	204	NR	820	3	NR	950	0	NR
435	195	NR	565	664	NR	695	174	NR	825	3	NR	955	0	NR
440	320	NR	570	711	NR	700	148	NR	830	2	NR	960	0	NR
445	416	NR	575	762	NR	705	125	NR	835	2	NR	965	0	NR
450	297	NR	580	817	NR	710	106	NR	840	2	NR	970	0	NR
455	204	NR	585	867	NR	715	88	NR	845	1	NR	975	0	NR
460	177	NR	590	920	NR	720	73	NR	850	1	NR	980	0	NR
465	133	NR	595	959	NR	725	61	NR	855	1	NR	985	0	NR
470	111	NR	600	986	NR	730	51	NR	860	1	NR	990	0	NR
475	120	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	994	NR	740	37	NR	870	1	NR	1000	0	NR
485	174	NR	615	972	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP1-2509-539-5

Scotopic Flux vs. Wavelength

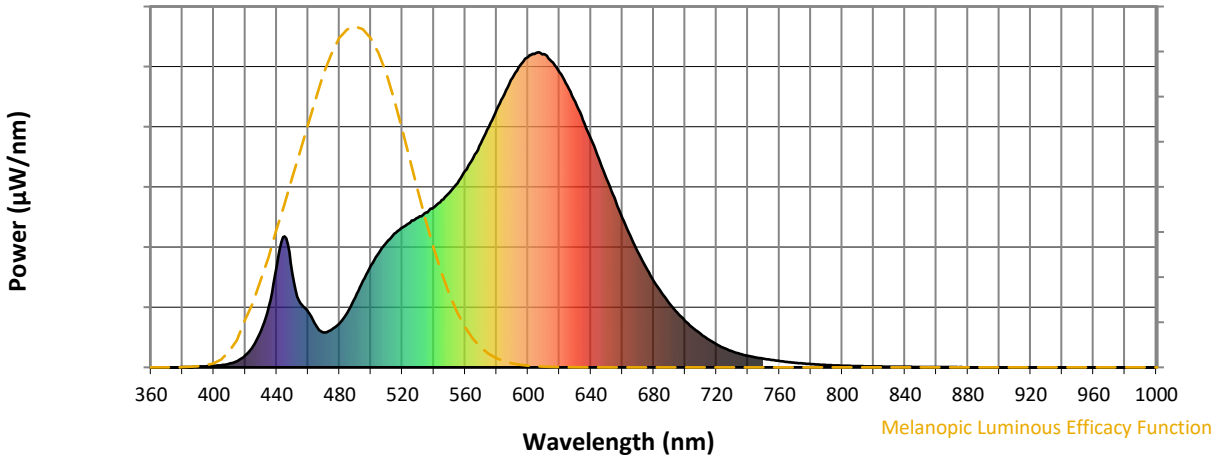


Scotopic Lumens: NR **S/P: 1.26**

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	223	NR	620	936	NR	750	28	NR	880	0	NR
365	0	NR	495	275	NR	625	895	NR	755	24	NR	885	0	NR
370	0	NR	500	324	NR	630	843	NR	760	20	NR	890	0	NR
375	0	NR	505	363	NR	635	786	NR	765	17	NR	895	0	NR
380	1	NR	510	397	NR	640	725	NR	770	15	NR	900	0	NR
385	1	NR	515	425	NR	645	663	NR	775	12	NR	905	0	NR
390	2	NR	520	444	NR	650	599	NR	780	11	NR	910	0	NR
395	3	NR	525	459	NR	655	538	NR	785	9	NR	915	0	NR
400	5	NR	530	476	NR	660	475	NR	790	8	NR	920	0	NR
405	7	NR	535	492	NR	665	419	NR	795	6	NR	925	0	NR
410	12	NR	540	508	NR	670	365	NR	800	5	NR	930	0	NR
415	20	NR	545	531	NR	675	318	NR	805	5	NR	935	0	NR
420	38	NR	550	554	NR	680	274	NR	810	4	NR	940	0	NR
425	68	NR	555	584	NR	685	237	NR	815	3	NR	945	0	NR
430	116	NR	560	623	NR	690	204	NR	820	3	NR	950	0	NR
435	195	NR	565	664	NR	695	174	NR	825	3	NR	955	0	NR
440	320	NR	570	711	NR	700	148	NR	830	2	NR	960	0	NR
445	416	NR	575	762	NR	705	125	NR	835	2	NR	965	0	NR
450	297	NR	580	817	NR	710	106	NR	840	2	NR	970	0	NR
455	204	NR	585	867	NR	715	88	NR	845	1	NR	975	0	NR
460	177	NR	590	920	NR	720	73	NR	850	1	NR	980	0	NR
465	133	NR	595	959	NR	725	61	NR	855	1	NR	985	0	NR
470	111	NR	600	986	NR	730	51	NR	860	1	NR	990	0	NR
475	120	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	994	NR	740	37	NR	870	1	NR	1000	0	NR
485	174	NR	615	972	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP1-2509-539-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.34**

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	223	NR	620	936	NR	750	28	NR	880	0	NR
365	0	NR	495	275	NR	625	895	NR	755	24	NR	885	0	NR
370	0	NR	500	324	NR	630	843	NR	760	20	NR	890	0	NR
375	0	NR	505	363	NR	635	786	NR	765	17	NR	895	0	NR
380	1	NR	510	397	NR	640	725	NR	770	15	NR	900	0	NR
385	1	NR	515	425	NR	645	663	NR	775	12	NR	905	0	NR
390	2	NR	520	444	NR	650	599	NR	780	11	NR	910	0	NR
395	3	NR	525	459	NR	655	538	NR	785	9	NR	915	0	NR
400	5	NR	530	476	NR	660	475	NR	790	8	NR	920	0	NR
405	7	NR	535	492	NR	665	419	NR	795	6	NR	925	0	NR
410	12	NR	540	508	NR	670	365	NR	800	5	NR	930	0	NR
415	20	NR	545	531	NR	675	318	NR	805	5	NR	935	0	NR
420	38	NR	550	554	NR	680	274	NR	810	4	NR	940	0	NR
425	68	NR	555	584	NR	685	237	NR	815	3	NR	945	0	NR
430	116	NR	560	623	NR	690	204	NR	820	3	NR	950	0	NR
435	195	NR	565	664	NR	695	174	NR	825	3	NR	955	0	NR
440	320	NR	570	711	NR	700	148	NR	830	2	NR	960	0	NR
445	416	NR	575	762	NR	705	125	NR	835	2	NR	965	0	NR
450	297	NR	580	817	NR	710	106	NR	840	2	NR	970	0	NR
455	204	NR	585	867	NR	715	88	NR	845	1	NR	975	0	NR
460	177	NR	590	920	NR	720	73	NR	850	1	NR	980	0	NR
465	133	NR	595	959	NR	725	61	NR	855	1	NR	985	0	NR
470	111	NR	600	986	NR	730	51	NR	860	1	NR	990	0	NR
475	120	NR	605	997	NR	735	43	NR	865	1	NR	995	0	NR
480	140	NR	610	994	NR	740	37	NR	870	1	NR	1000	0	NR
485	174	NR	615	972	NR	745	32	NR	875	1	NR			

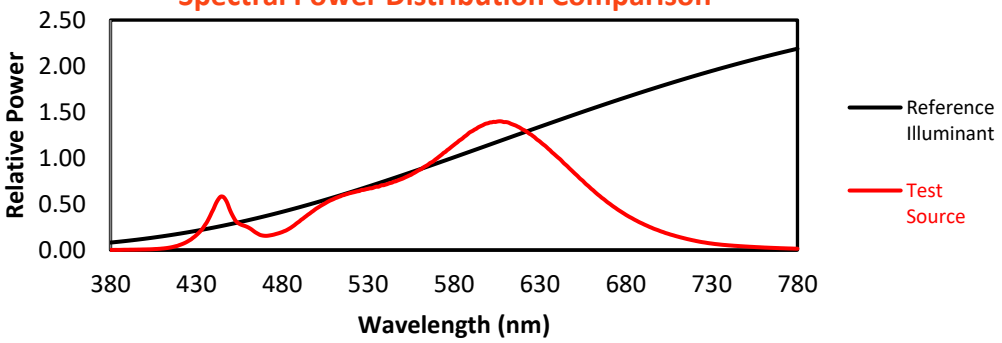
REPORT NUMBER: SP1-2509-539-5

TM-30-18

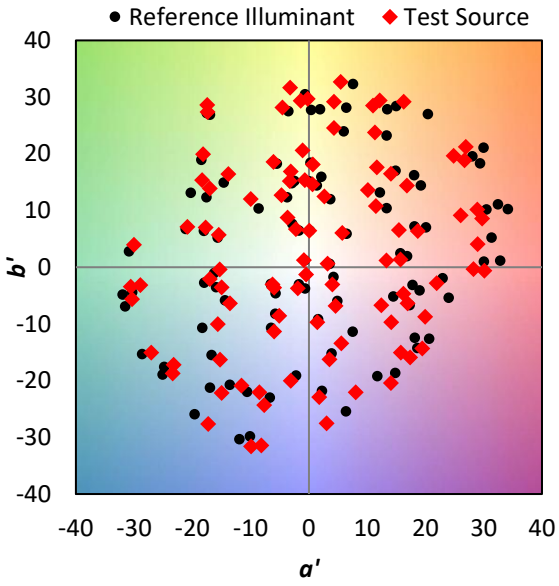
Summary

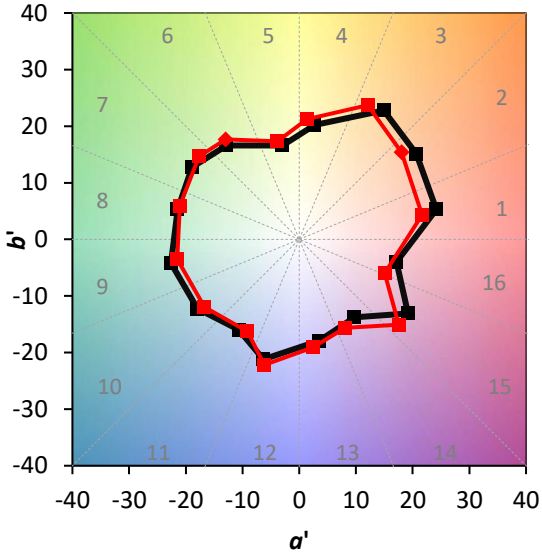
R_f = 86.1
R_g = 97.2
CIE R_a = 83.8
R_9 = 8.2

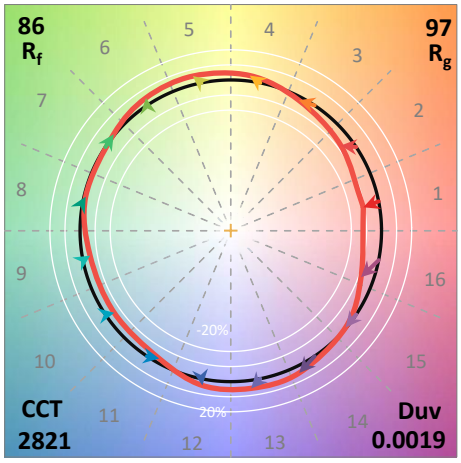
Spectral Power Distribution Comparison

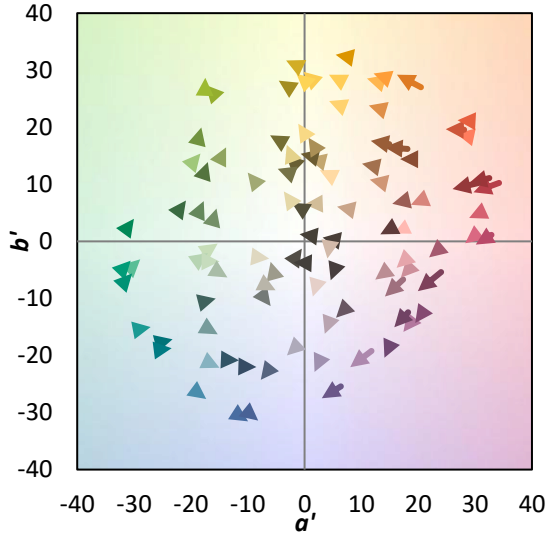


Color Vector Graphics







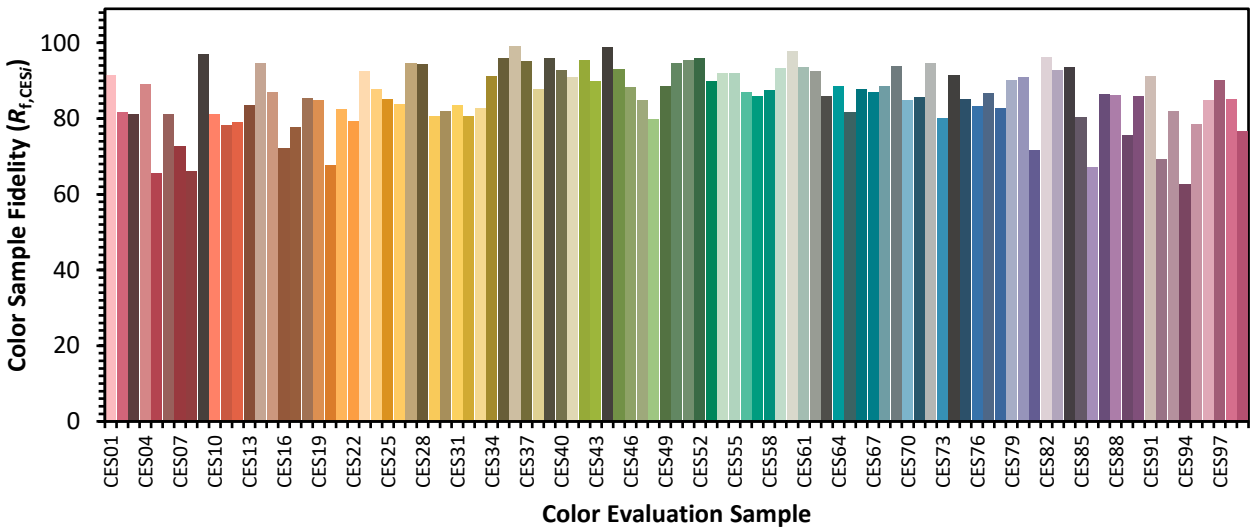


REPORT NUMBER: SP1-2509-539-5

TM-30-18

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

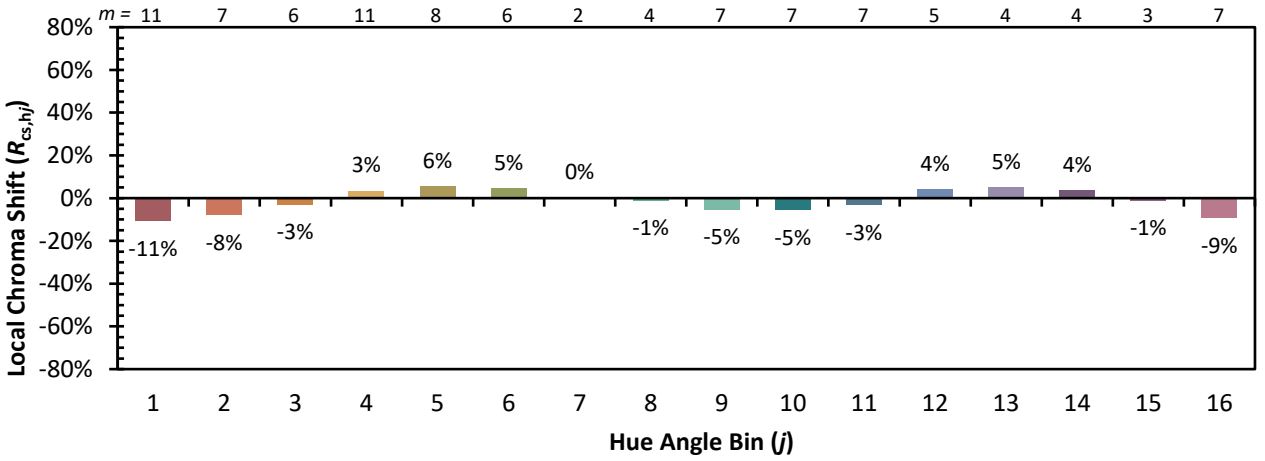
CES01 = 86	CES26 = 84	CES51 = 95	CES76 = 83
CES02 = 63	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 90	CES78 = 83
CES04 = 71	CES29 = 81	CES54 = 92	CES79 = 90
CES05 = 50	CES30 = 82	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 84	CES56 = 87	CES81 = 72
CES07 = 43	CES32 = 81	CES57 = 86	CES82 = 96
CES08 = 41	CES33 = 83	CES58 = 88	CES83 = 93
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 94
CES10 = 76	CES35 = 96	CES60 = 98	CES85 = 80
CES11 = 59	CES36 = 99	CES61 = 94	CES86 = 67
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 87
CES13 = 44	CES38 = 88	CES63 = 86	CES88 = 86
CES14 = 74	CES39 = 96	CES64 = 88	CES89 = 76
CES15 = 72	CES40 = 93	CES65 = 82	CES90 = 86
CES16 = 48	CES41 = 91	CES66 = 88	CES91 = 91
CES17 = 50	CES42 = 95	CES67 = 87	CES92 = 69
CES18 = 57	CES43 = 90	CES68 = 89	CES93 = 82
CES19 = 72	CES44 = 99	CES69 = 94	CES94 = 63
CES20 = 67	CES45 = 93	CES70 = 85	CES95 = 79
CES21 = 87	CES46 = 88	CES71 = 86	CES96 = 85
CES22 = 79	CES47 = 85	CES72 = 95	CES97 = 90
CES23 = 92	CES48 = 80	CES73 = 80	CES98 = 85
CES24 = 91	CES49 = 89	CES74 = 91	CES99 = 77
CES25 = 72	CES50 = 95	CES75 = 85	

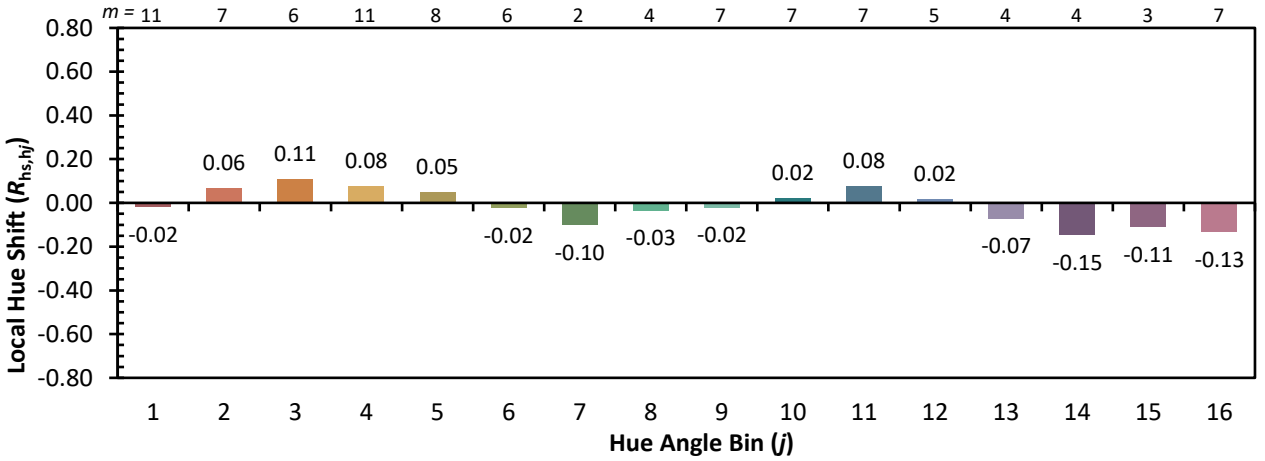


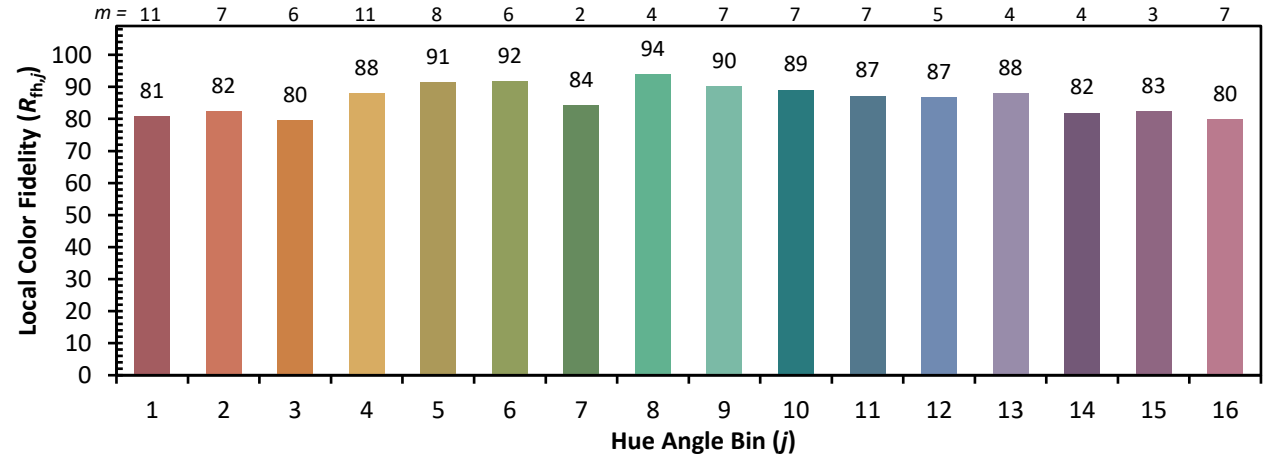
REPORT NUMBER: SP1-2509-539-5

TM-30-18

Color Rendition by Hue-Angle Bin



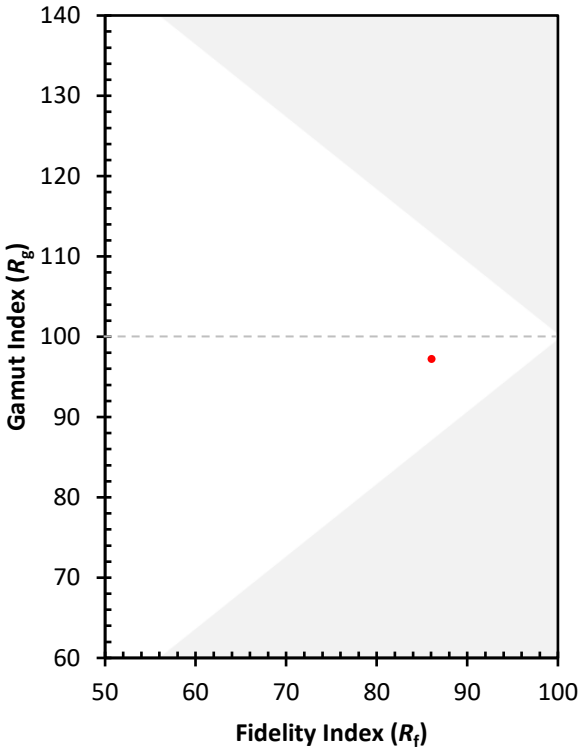


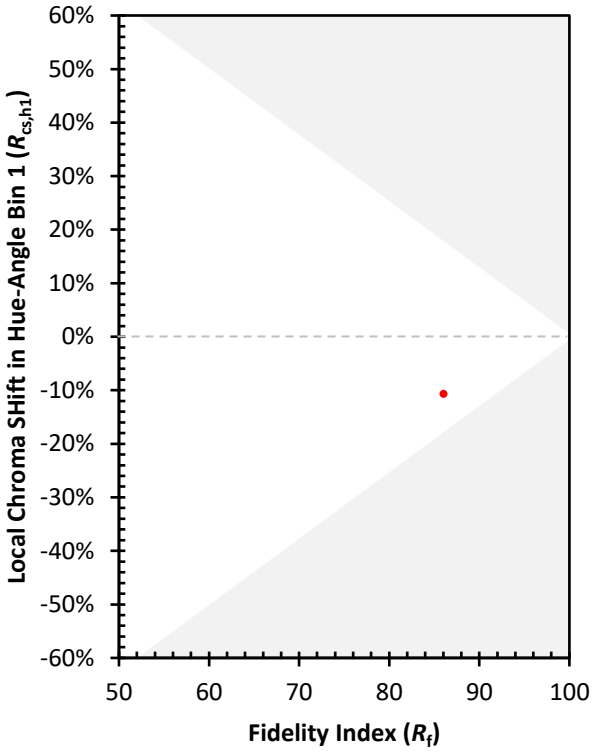


REPORT NUMBER: SP1-2509-539-5

TM-30-18

Measure Comparisons





(END OF REPORT)