

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: P1442120

Luminaire Tested: LXB-C3-830-X-U-S-GM

Issue Date: 4/23/2026

Test Information

Test Method: LM-79-2024
Report Number: P1442120
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2509-539-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: INVUE
Catalog Number: LXB-C3-830-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: 1556.7 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Luminous Opening: Circular (Dia: 0.4' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

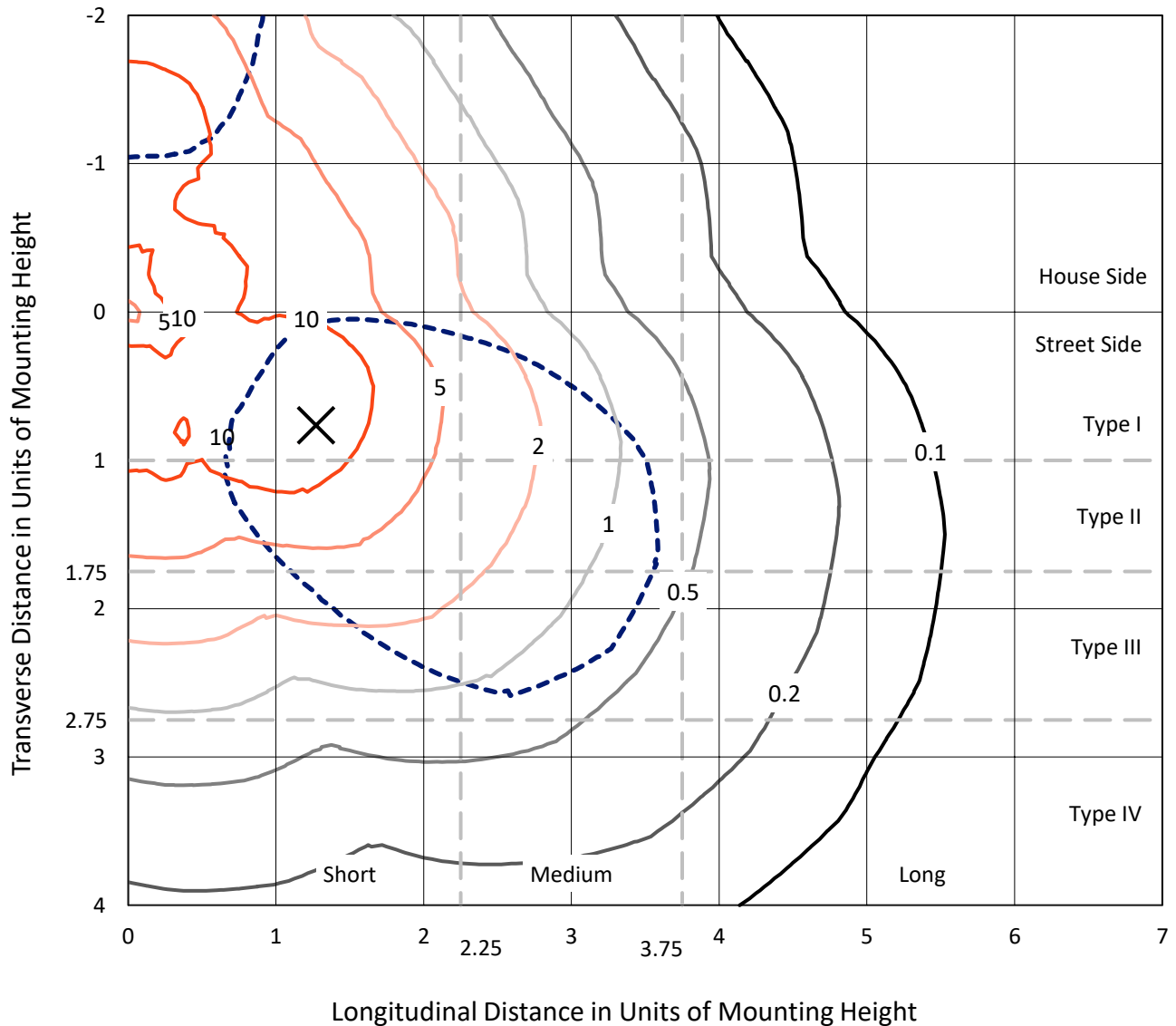
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9933
Total Harmonic Distortion (THDi): 0.0961783
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

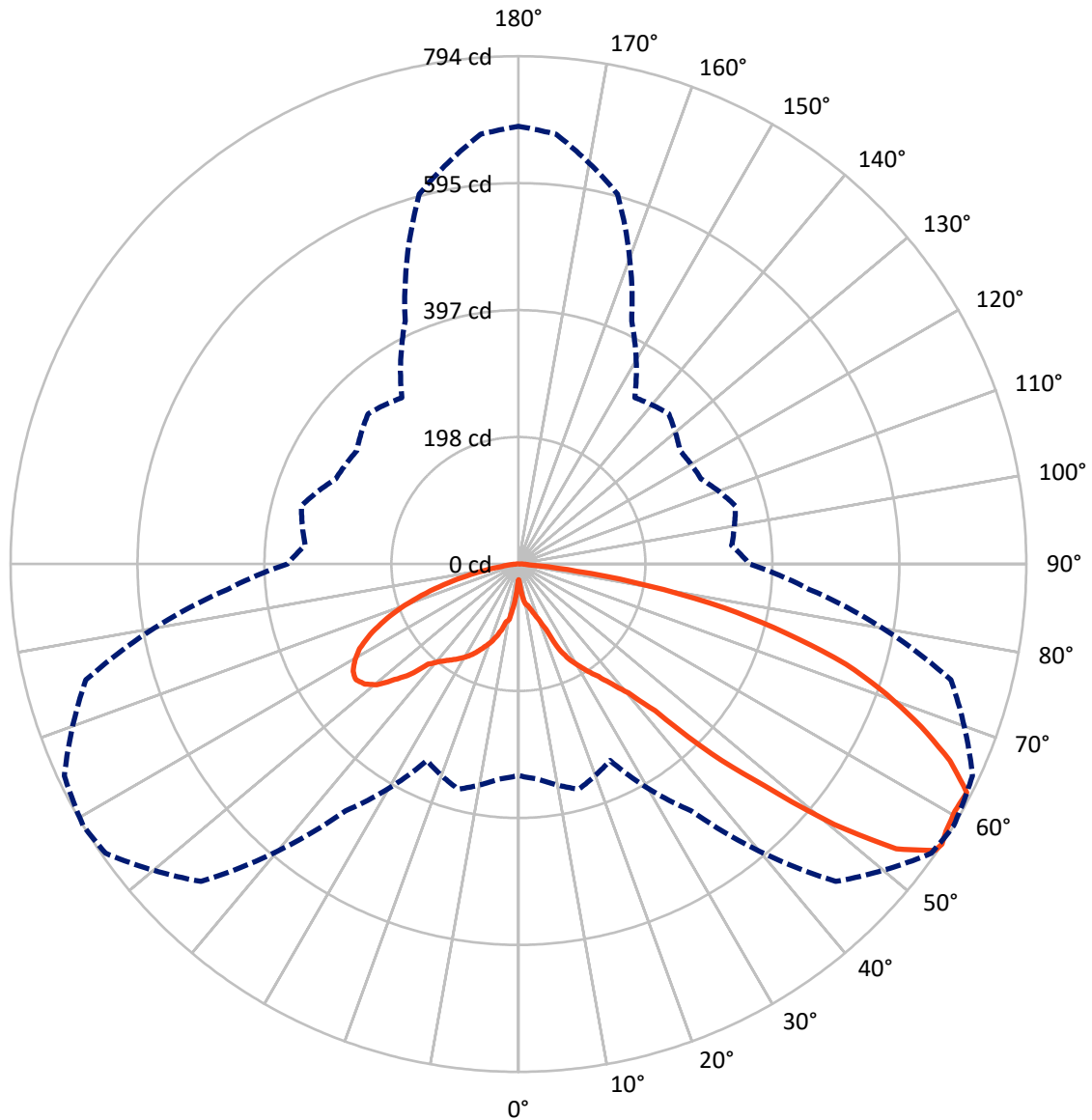


Based on 3 foot mounting height. Maximum calculated value = 18.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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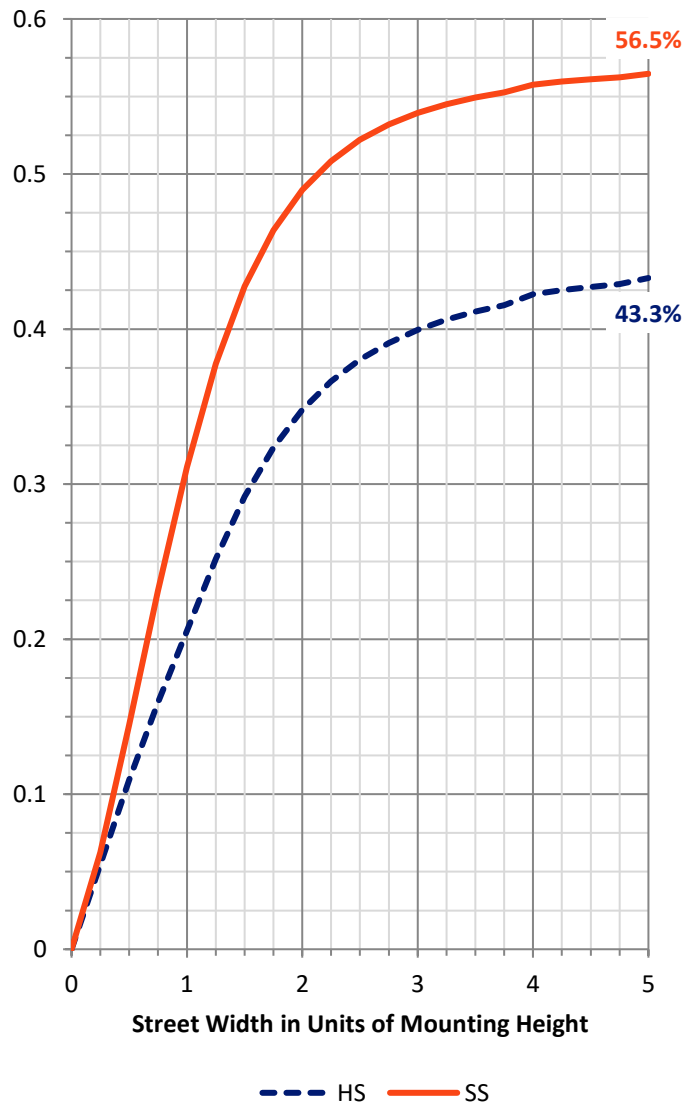
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	675.3	0.0	675.3
	% Fixture	43.4	0.0	43.4
Street Side	Lumens	881.4	0.0	881.4
	% Fixture	56.6	0.0	56.6
Total	Lumens	1556.7	0.0	1556.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.4
10°-20°	27.4	1.8
20°-30°	64.8	4.2
30°-40°	117.8	7.6
40°-50°	233.0	15.0
50°-60°	413.5	26.6
60°-70°	416.5	26.8
70°-80°	245.2	15.8
80°-90°	32.9	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°	1556.7	100.0
0°-180°	1556.7	100.0



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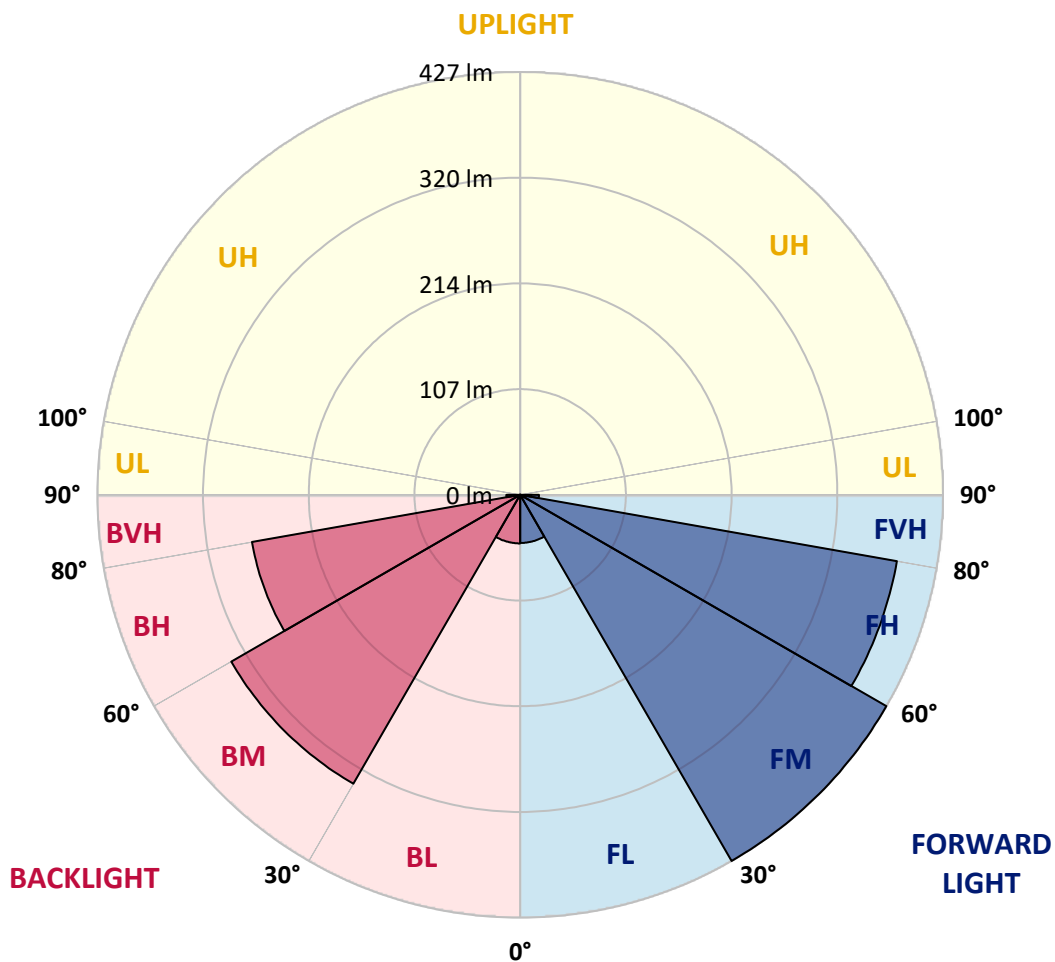
CATALOG NUMBER: LXB-C3-830-X-U-S-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	48.6	3.1			
FM	(30°-60°)	427.3	27.4			
FH	(60°-80°)	386.5	24.8			G0/660
FVH	(80°-90°)	18.9	1.2			G1/100
BL	(0°-30°)	49.1	3.2	B0/110		
BM	(30°-60°)	337.1	21.7	B1/1000		
BH	(60°-80°)	275.2	17.7	B1/500		G1/500
BVH	(80°-90°)	13.9	0.9			G1/100
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
2.5°	35.4	33.8	31.3	31.3	30.5	30.5	28.0	28.0	28.8	31.3	32.1
5°	56.9	56.9	47.8	42.0	43.7	42.8	42.8	41.2	42.8	44.5	44.5
7.5°	74.2	70.9	72.5	67.6	65.9	61.8	57.7	56.9	56.0	61.0	61.8
10°	84.0	84.0	87.3	86.5	76.6	67.6	65.9	64.3	65.1	67.6	72.5
12.5°	90.6	95.6	98.1	97.2	87.3	75.0	69.2	66.7	67.6	75.0	81.6
15°	112.1	105.5	109.6	105.5	97.2	84.0	75.8	74.2	76.6	81.6	91.5
17.5°	123.6	126.1	120.3	110.4	103.8	92.3	87.3	83.2	84.0	88.2	101.4
20°	135.1	137.6	132.7	120.3	112.1	100.5	96.4	94.8	95.6	98.1	105.5
22.5°	146.7	148.3	143.4	129.4	120.3	109.6	109.6	111.2	110.4	108.8	114.5
25°	157.4	159.0	152.4	139.3	132.7	128.5	140.9	147.5	144.2	126.9	127.7
27.5°	168.9	168.1	164.8	149.1	144.2	150.8	165.6	168.1	168.1	145.8	141.7
30°	177.2	176.3	173.9	159.9	155.7	167.3	182.9	183.8	182.9	166.4	150.8
32.5°	184.6	183.8	182.9	168.1	164.8	183.8	199.4	200.2	200.2	183.8	161.5
35°	193.6	191.2	191.2	175.5	174.7	201.9	215.1	215.9	216.7	198.6	170.6
37.5°	203.5	198.6	200.2	185.4	187.9	221.7	236.5	238.1	237.3	219.2	183.8
40°	214.2	208.5	209.3	194.5	201.9	247.2	262.9	264.5	262.9	243.9	197.8
42.5°	229.9	224.1	230.7	214.2	228.2	295.0	310.6	313.1	309.0	287.6	219.2
45°	264.5	260.4	275.2	257.1	281.0	388.1	418.6	422.7	414.5	373.3	271.9
47.5°	289.2	285.1	306.5	285.1	330.4	489.5	514.2	517.5	510.1	468.0	314.8
50°	315.6	316.4	341.1	318.9	399.6	585.0	634.5	639.4	637.8	581.7	385.6
52.5°	326.3	329.6	360.9	337.8	444.1	657.6	730.1	739.1	731.7	653.4	428.5
55°	331.2	337.0	366.7	340.3	466.4	693.8	780.3	790.2	777.9	692.2	450.7
56°	330.4	337.0	364.2	338.7	470.5	701.2	787.7	793.5	782.8	699.6	456.5
57.5°	326.3	333.7	357.6	332.1	473.0	705.3	786.9	787.7	784.4	706.2	463.1
60°	312.3	323.0	344.4	318.1	470.5	700.4	781.2	783.6	782.8	707.0	465.6
62.5°	292.5	303.2	326.3	300.8	457.3	686.4	777.9	786.1	775.4	692.2	457.3
65°	266.2	278.5	296.6	273.6	431.0	654.3	735.8	740.8	731.7	656.7	431.0
67.5°	235.7	248.0	263.7	243.1	400.5	612.2	677.3	679.0	674.0	604.0	400.5
70°	199.4	211.8	227.4	209.3	360.9	550.4	608.1	610.6	608.1	541.4	360.1
72.5°	159.9	172.2	186.2	172.2	309.0	473.8	529.8	535.6	526.5	465.6	309.0
75°	118.7	130.2	140.9	132.7	250.5	385.6	433.4	431.8	430.1	379.9	250.5
77.5°	82.4	88.2	98.1	93.1	182.9	289.2	328.8	328.8	325.5	285.1	187.0
80°	47.8	51.1	56.9	55.2	106.3	182.9	212.6	206.0	211.8	180.5	117.8
82.5°	23.1	24.7	25.5	24.7	37.1	74.2	93.1	92.3	93.9	70.9	51.1
85°	9.9	10.7	10.7	6.6	9.9	14.0	15.7	15.7	15.7	14.0	12.4
87.5°	7.4	7.4	7.4	4.1	6.6	9.9	11.5	10.7	11.5	9.9	7.4
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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CATALOG NUMBER: LXB-C3-830-X-U-S-GM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
2.5°	33.0	32.1	33.0	30.5	32.1	32.1	33.8	32.1	31.3	29.7	29.7
5°	47.0	47.8	50.3	53.6	49.4	48.6	47.8	45.3	47.0	42.0	42.0
7.5°	61.0	62.6	68.4	70.0	68.4	75.0	69.2	65.9	65.9	61.8	61.8
10°	74.2	77.5	82.4	84.0	91.5	84.9	83.2	75.8	73.3	69.2	69.2
12.5°	85.7	87.3	89.0	93.9	91.5	94.8	91.5	82.4	75.0	70.0	70.0
15°	95.6	97.2	103.8	109.6	105.5	104.6	103.0	95.6	86.5	76.6	75.0
17.5°	103.8	108.8	114.5	120.3	117.8	116.2	109.6	103.8	89.8	84.9	83.2
20°	110.4	116.2	129.4	131.0	129.4	126.1	119.5	108.8	98.1	93.1	92.3
22.5°	120.3	126.9	139.3	140.9	137.6	133.5	131.8	117.0	107.1	103.0	105.5
25°	131.0	136.8	146.7	148.3	149.1	141.7	140.9	128.5	122.0	126.9	131.0
27.5°	141.7	147.5	156.6	157.4	159.0	151.6	148.3	139.3	140.1	146.7	149.1
30°	152.4	155.7	165.6	167.3	166.4	159.9	155.7	148.3	152.4	160.7	162.3
32.5°	159.9	164.8	173.0	176.3	172.2	167.3	162.3	157.4	164.8	177.2	178.0
35°	166.4	172.2	179.6	184.6	179.6	177.2	168.9	167.3	179.6	192.0	192.8
37.5°	176.3	181.3	187.9	192.0	187.0	186.2	176.3	177.2	198.6	210.1	211.8
40°	185.4	189.5	197.8	201.1	196.1	196.1	183.8	191.2	220.0	234.8	237.3
42.5°	201.1	204.4	213.4	213.4	208.5	211.8	197.8	210.1	250.5	267.0	271.9
45°	243.9	245.6	256.3	243.9	241.4	249.7	234.0	257.1	325.5	349.4	357.6
47.5°	271.9	269.4	284.3	267.8	262.9	272.7	255.4	290.9	389.8	421.1	432.6
50°	319.7	309.0	321.4	295.0	287.6	307.4	293.3	357.6	493.6	529.0	540.5
52.5°	346.9	332.1	344.4	309.0	301.6	328.0	312.3	393.9	548.0	599.9	613.9
55°	360.1	337.0	352.7	314.8	309.0	335.4	318.1	414.5	589.2	664.1	676.5
56°	360.9	334.5	351.0	314.8	308.2	332.1	317.2	418.6	598.2	674.0	683.9
57.5°	358.4	328.8	345.3	312.3	304.9	327.1	312.3	422.7	604.8	677.3	683.1
60°	350.2	317.2	333.7	301.6	293.3	314.8	301.6	421.9	605.6	672.4	676.5
62.5°	337.8	300.8	318.9	285.1	278.5	299.1	283.5	414.5	597.4	669.9	677.3
65°	313.9	277.7	293.3	260.4	254.6	273.6	259.6	392.2	570.2	643.5	651.0
67.5°	285.1	246.4	261.2	232.4	226.6	243.1	231.5	360.9	533.1	592.5	590.0
70°	253.0	212.6	226.6	199.4	194.5	209.3	198.6	323.8	480.4	532.3	524.9
72.5°	215.1	175.5	187.9	162.3	157.4	170.6	164.0	281.0	419.4	463.9	457.3
75°	172.2	136.0	144.2	122.8	119.5	129.4	127.7	224.1	342.8	375.7	379.9
77.5°	126.1	96.4	100.5	84.0	82.4	90.6	91.5	162.3	257.1	279.3	281.8
80°	77.5	58.5	61.8	50.3	49.4	53.6	55.2	98.9	164.8	177.2	178.0
82.5°	34.6	28.0	29.7	25.5	25.5	24.7	25.5	41.2	73.3	76.6	75.8
85°	9.1	8.2	12.4	10.7	11.5	11.5	7.4	12.4	17.3	18.1	18.1
87.5°	4.9	4.9	8.2	7.4	8.2	8.2	4.1	8.2	12.4	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

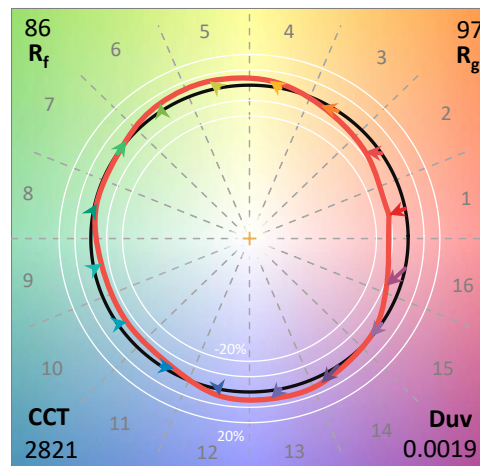
Test Information

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

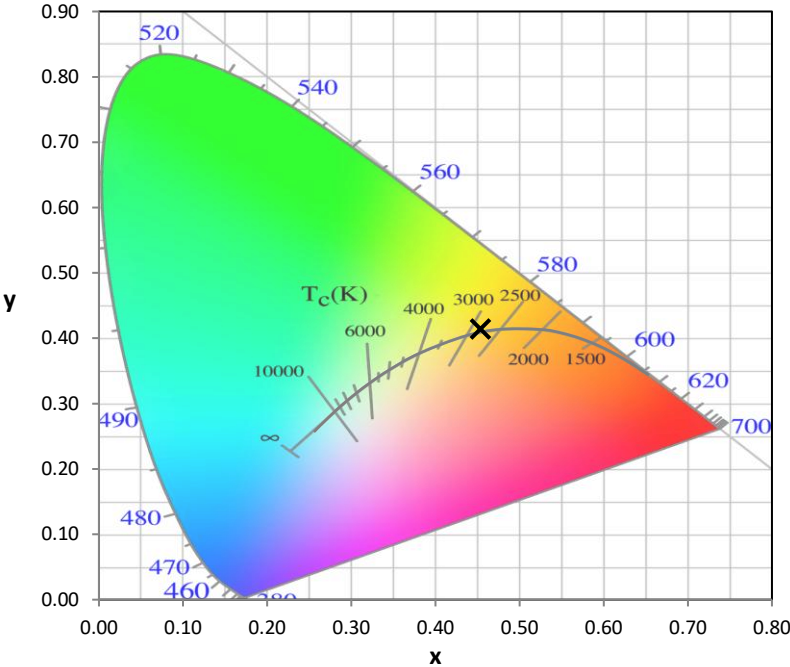
Stabilization Time: 28M
 Operation Time: 1H 28M
 Sphere Temperature (°C): 25.1

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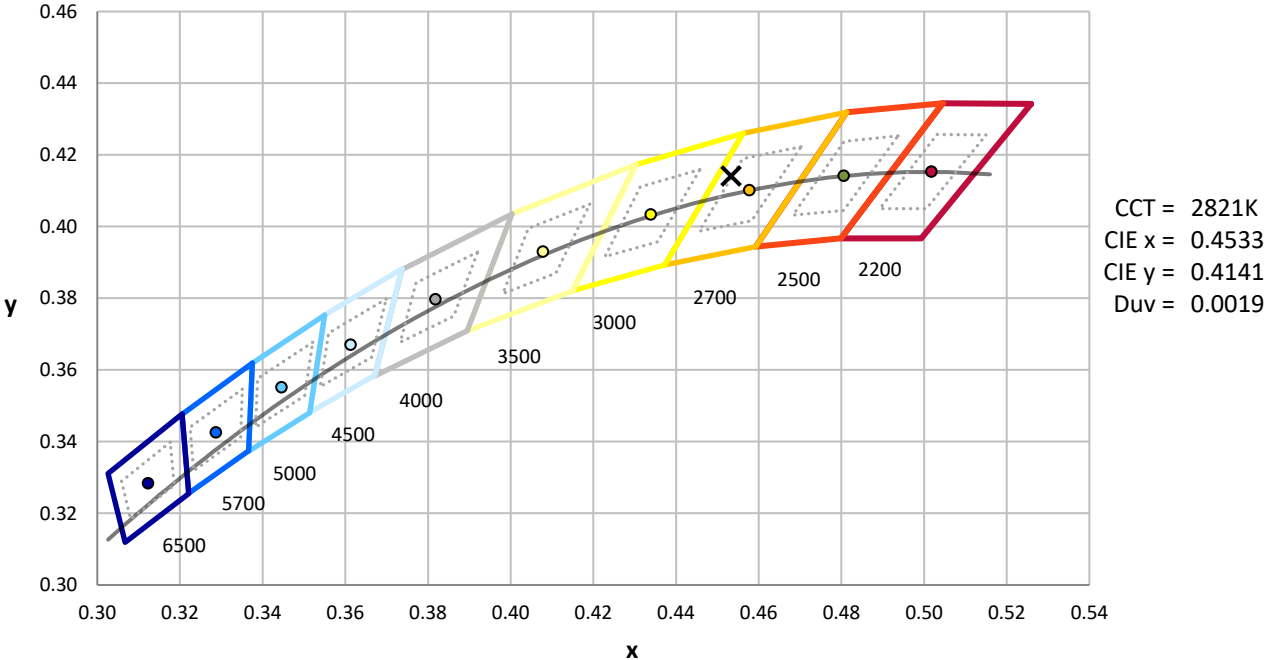
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

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CIE 1931 Chromaticity Diagram



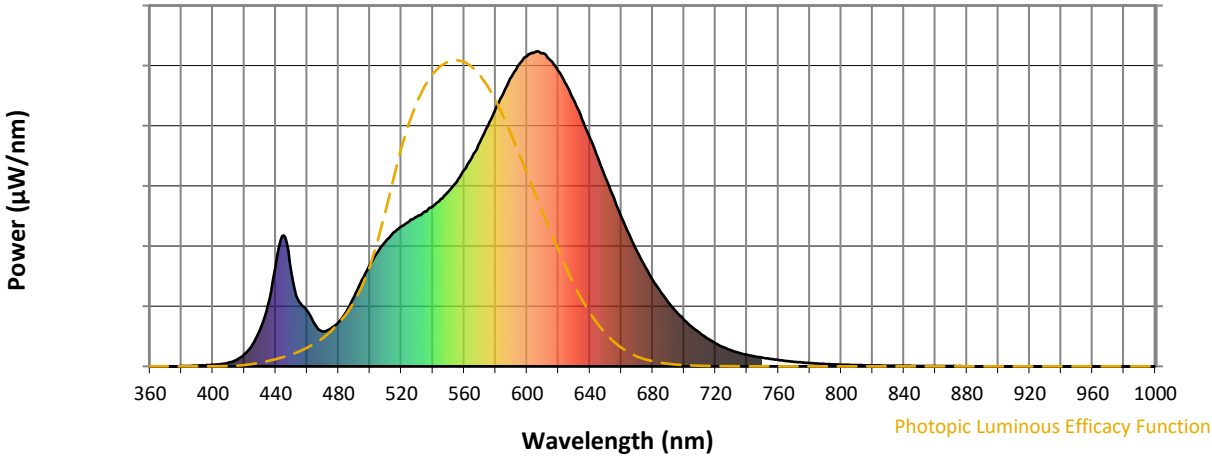
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 7-step quadrangle

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Photopic Flux vs. Wavelength

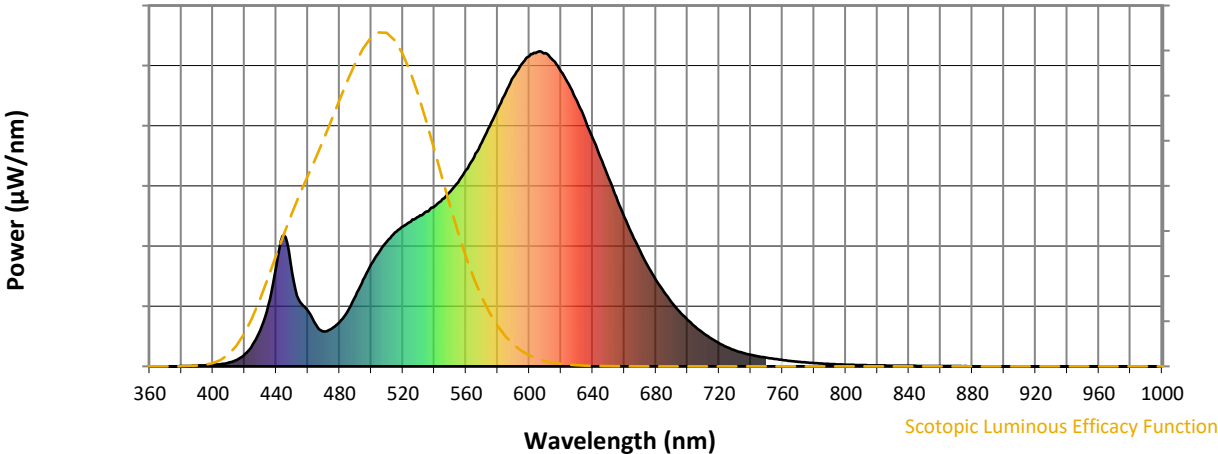


Photopic Lumens: NR

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

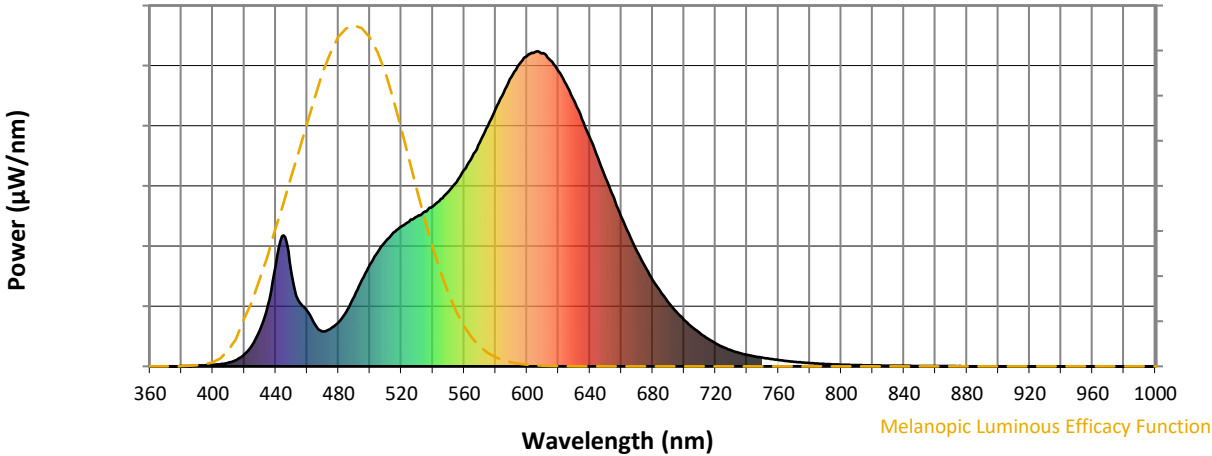


Scotopic Lumens: NR S/P: 1.26

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			

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Melanopic Flux vs. Wavelength



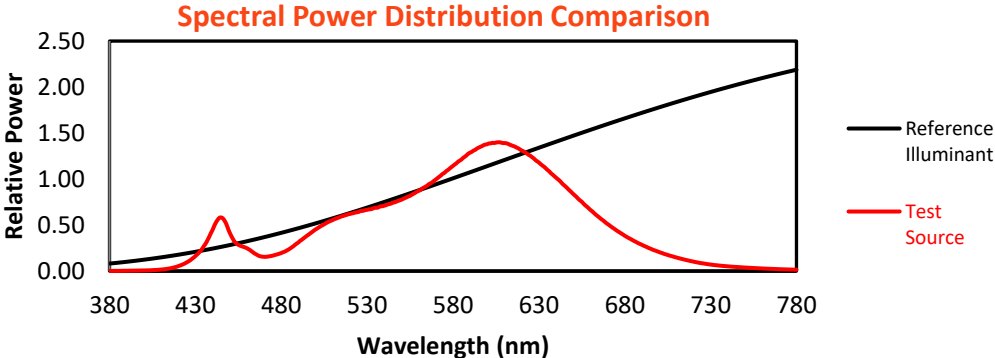
Melanopic Lumens: NR

M/P: 2.34

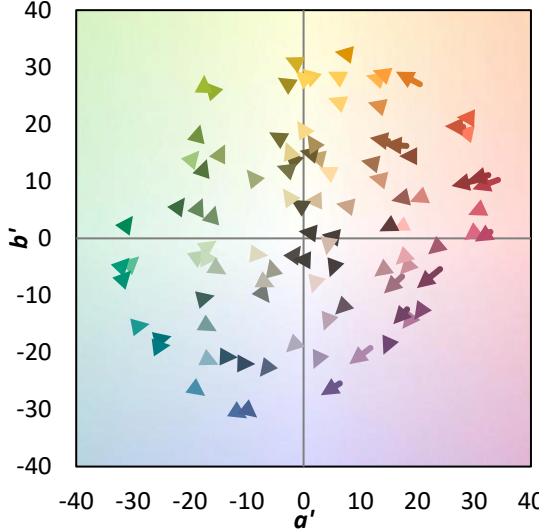
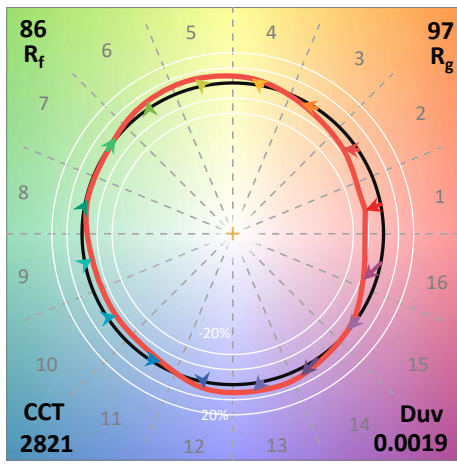
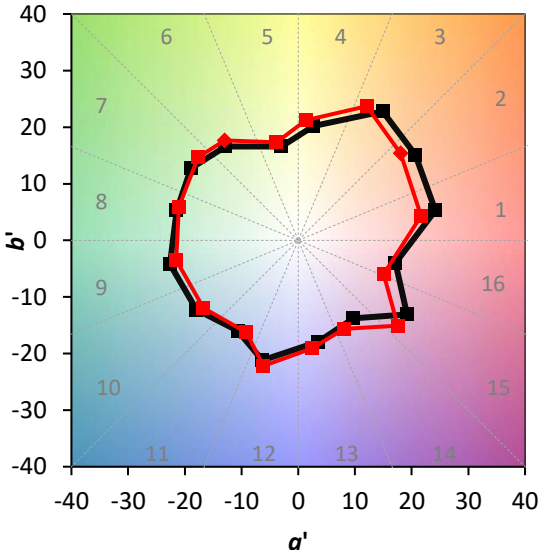
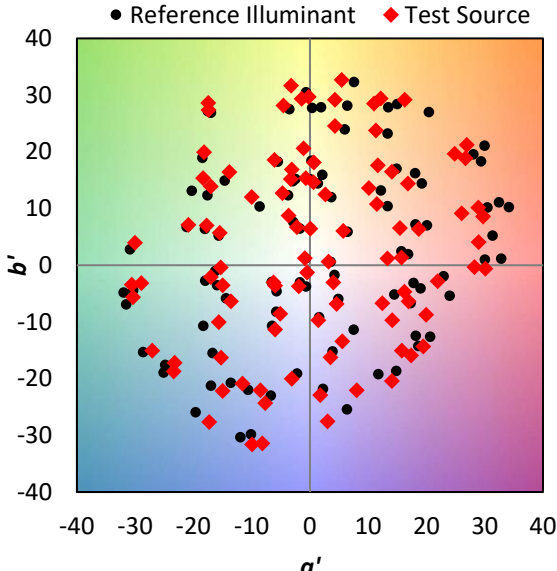
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	223	NR	620	936	NR	750	28	NR	880	0	NR
365	0	NR	495	275	NR	625	895	NR	755	24	NR	885	0	NR
370	0	NR	500	324	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			

Summary

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

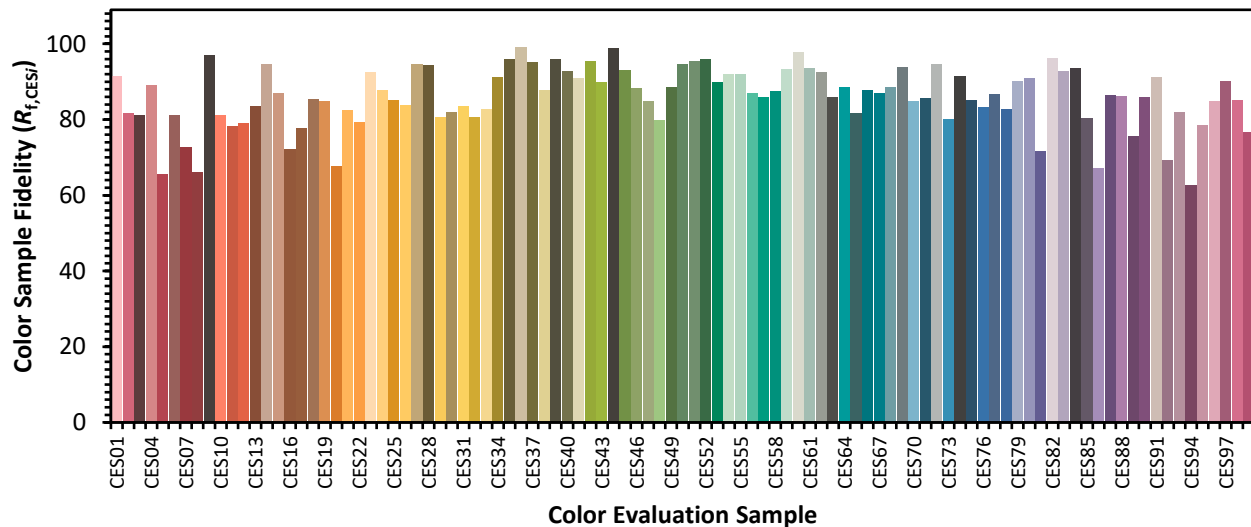


Color Vector Graphics

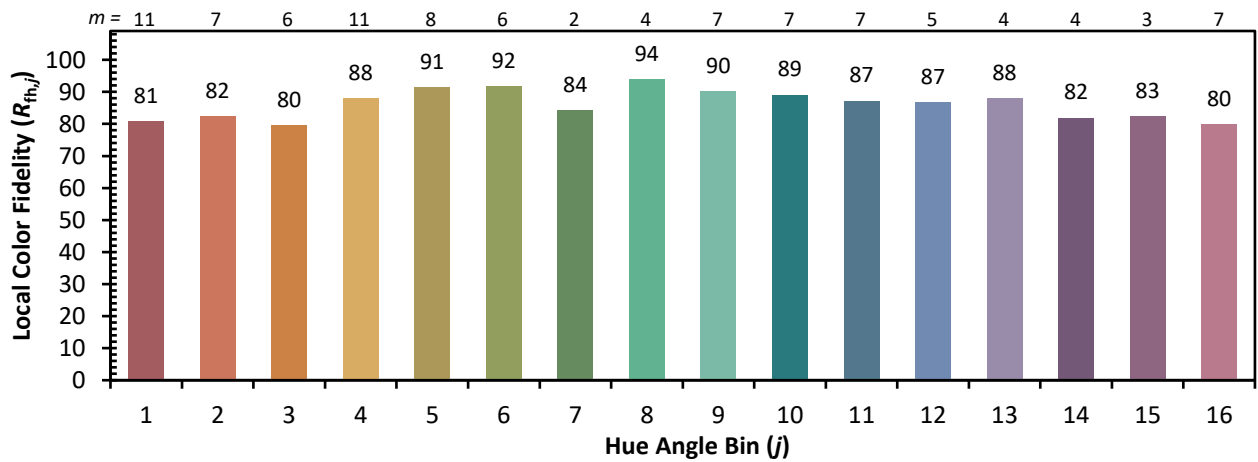
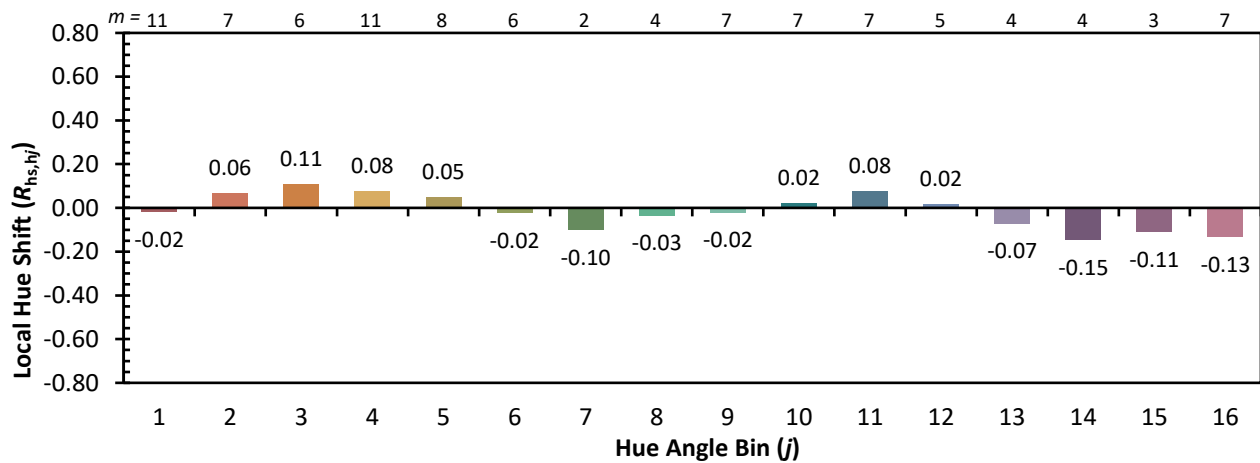
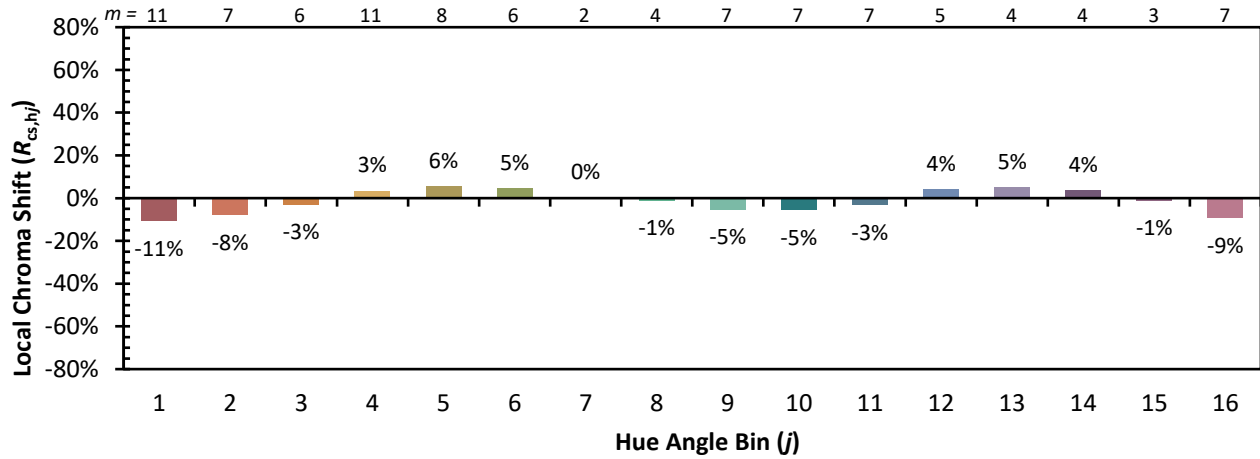


Individual Sample Fidelity Index ($R_{f,i}$)

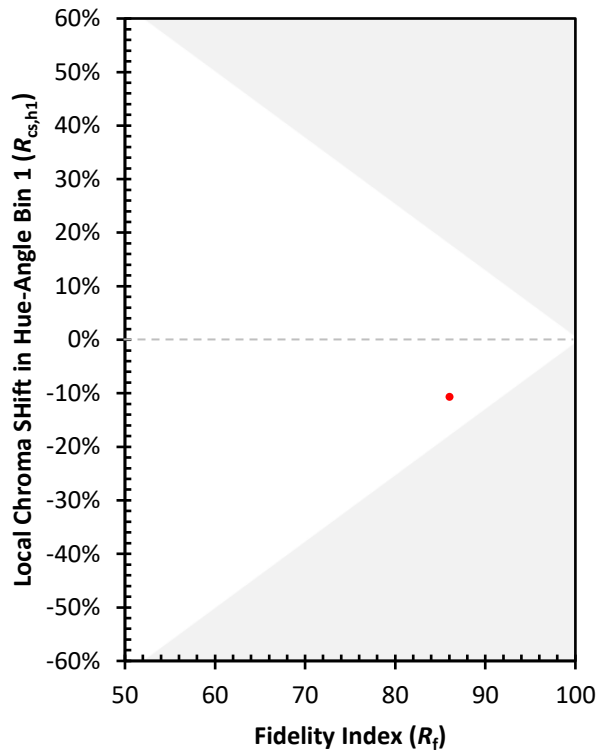
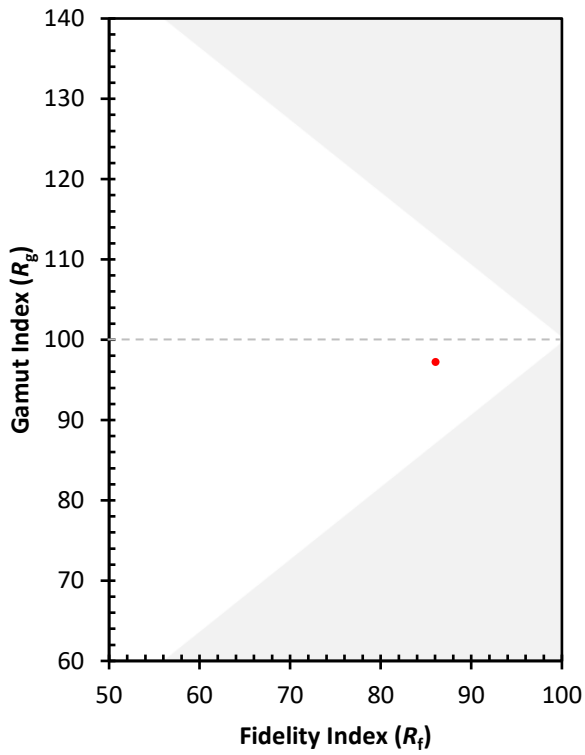
CES01 = 86	CES26 = 84	CES51 = 95	CES76 = 83
CES02 = 63	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 90	CES78 = 83
CES04 = 71	CES29 = 81	CES54 = 92	CES79 = 90
CES05 = 50	CES30 = 82	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 84	CES56 = 87	CES81 = 72
CES07 = 43	CES32 = 81	CES57 = 86	CES82 = 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	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)