

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P574411

Luminaire Tested: **CCP-VAAMBER-U-T3**

Issue Date: 10/14/2021



Test Information

Test Method: LM-79-08
Report Number: P574411
Test Lab: INNOVATION CENTER(G1)
Issue Date: 10/14/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-VAAMBER-U-T3
Description: INVUE CLEARCURVE POLE MOUNT Wave Stream LUMINAIRE WITH T3
DISTRIBUTION LENS
Light Source: 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 849 lumens
Efficiency: N/A
Efficacy: 28.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.54' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 30.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

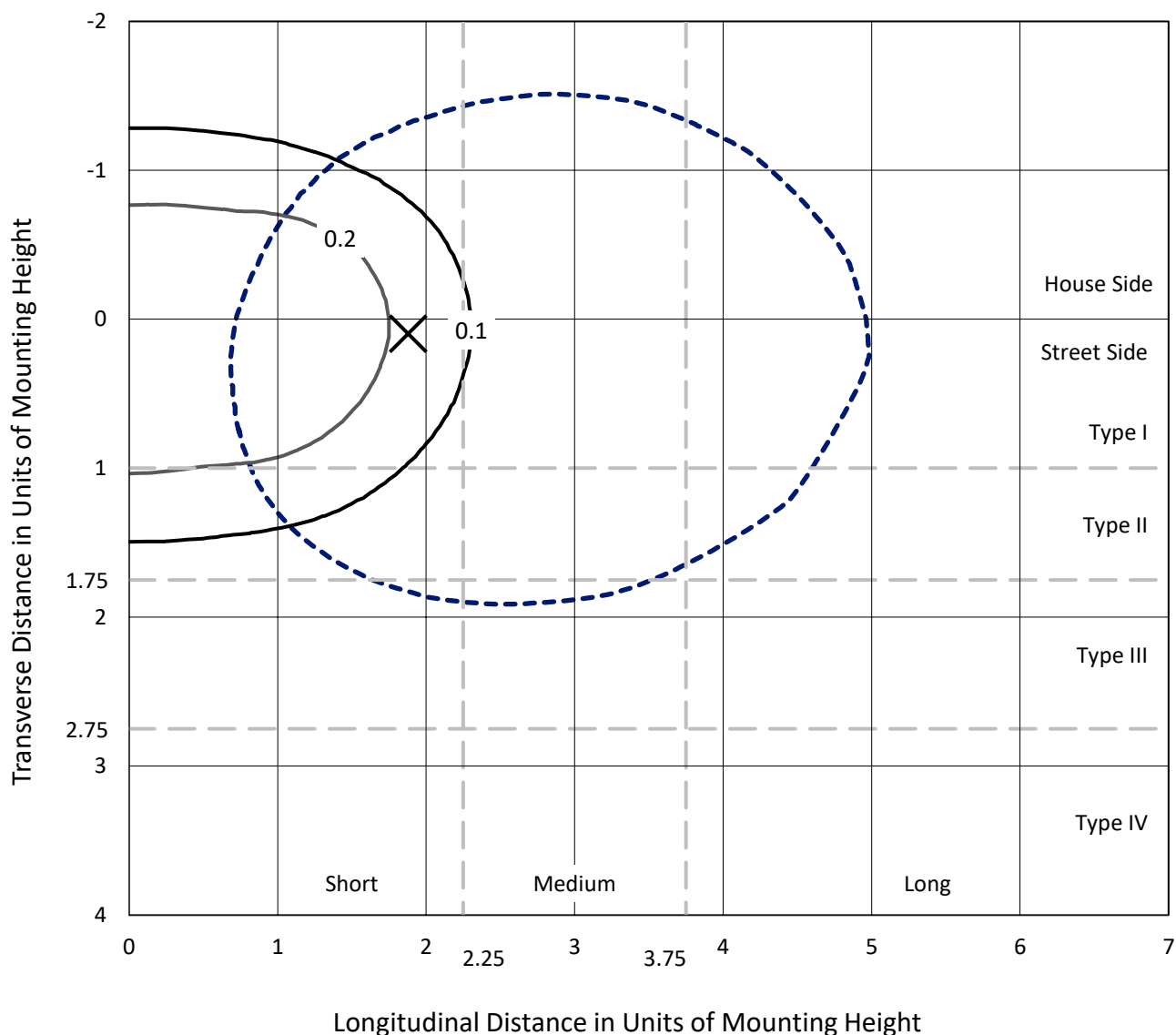
REPORT NUMBER: P574411

CATALOG NUMBER: CCP-VAAMBER-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

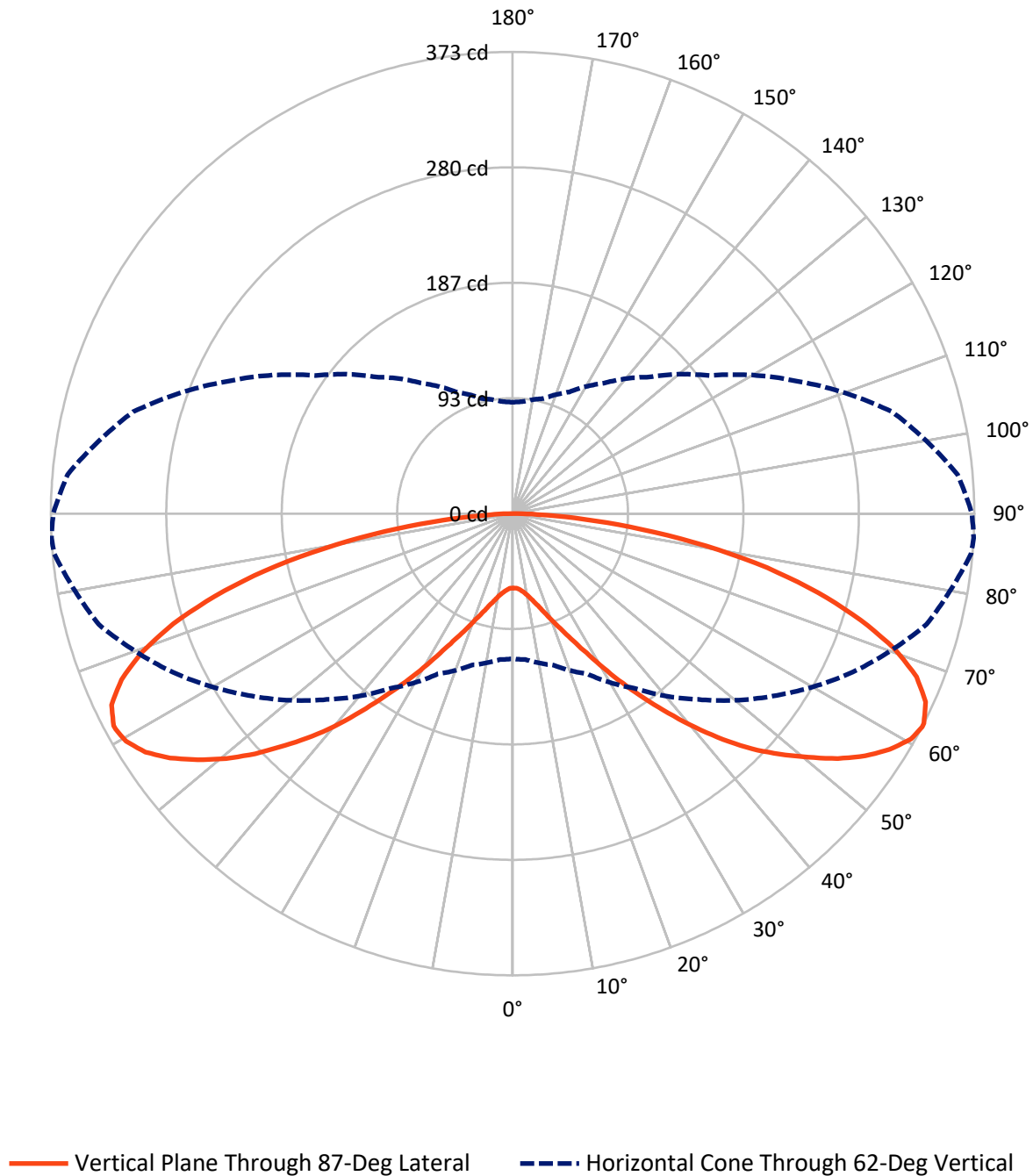


Based on 15 foot mounting height. Maximum calculated value = 0.5 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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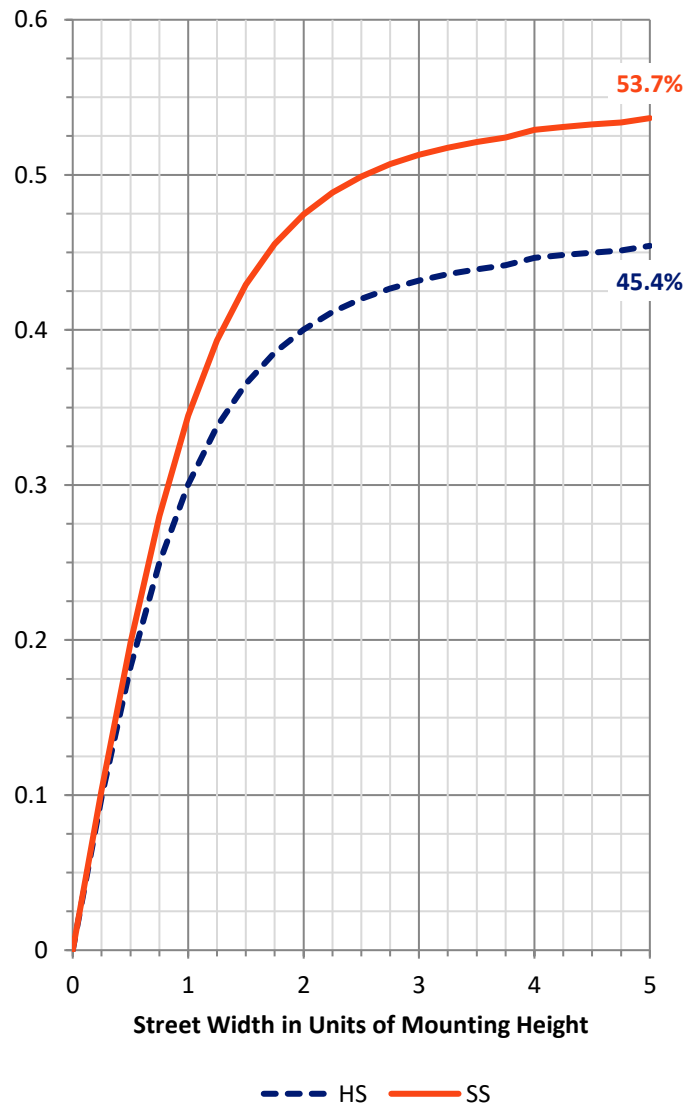
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	390.9	0.0	390.9
	% Fixture	46.0	0.0	46.0
Street Side	Lumens	458.1	0.0	458.1
	% Fixture	54.0	0.0	54.0
Total	Lumens	849.0	0.0	849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.7
10°-20°	21.3	2.5
20°-30°	45.6	5.4
30°-40°	84.1	9.9
40°-50°	134.1	15.8
50°-60°	182.3	21.5
60°-70°	197.5	23.3
70°-80°	141.1	16.6
80°-90°	36.9	4.3
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°	849.0	100.0
0°-180°	849.0	100.0

Coefficient of Utilization



REPORT NUMBER: P574411

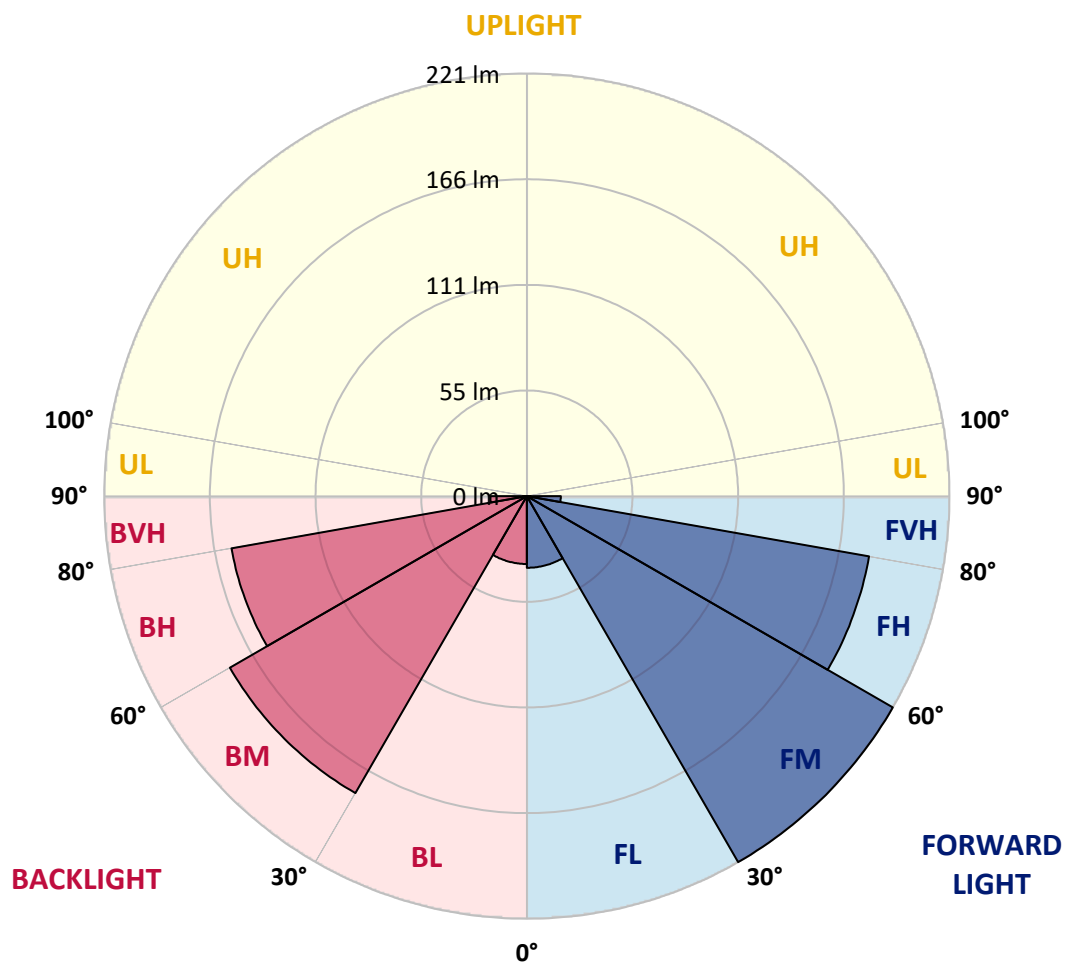
CATALOG NUMBER: CCP-VAAMBER-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	37.5	4.4			
FM	(30°-60°)	221.1	26.0			
FH	(60°-80°)	181.8	21.4			G0/660
FVH	(80°-90°)	17.8	2.1			G1/100
BL	(0°-30°)	35.5	4.2	B0/110		
BM	(30°-60°)	179.4	21.1	B0/220		
BH	(60°-80°)	156.9	18.5	B1/500		G1/500
BVH	(80°-90°)	19.1	2.3			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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CATALOG NUMBER: CCP-VAAMBER-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87°
0°	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
2.5°	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.4	60.4
5°	60.6	60.5	60.5	60.6	60.8	60.9	61.2	61.3	61.6	61.9	61.7
7.5°	61.9	61.9	61.9	62.0	62.4	62.7	63.1	63.5	63.9	64.2	64.1
10°	63.8	63.8	63.8	64.1	64.5	65.3	66.0	66.7	67.1	67.3	67.5
12.5°	65.8	65.8	66.1	66.7	67.5	68.6	69.8	70.8	71.5	71.7	71.8
15°	68.7	68.8	69.4	70.0	71.0	72.7	74.7	76.1	76.8	77.3	77.2
17.5°	73.1	72.9	73.4	74.6	75.8	78.2	80.6	83.0	84.3	84.3	84.3
20°	78.0	77.9	78.2	79.1	81.2	84.3	88.1	91.3	92.8	92.5	92.8
22.5°	83.5	83.5	83.8	84.6	86.6	91.2	96.5	101.1	103.2	102.5	102.2
25°	89.5	89.5	89.9	90.6	93.5	98.9	106.1	112.8	114.8	114.2	113.9
27.5°	96.5	96.0	96.8	97.4	101.0	108.3	117.6	126.1	130.6	128.2	127.4
30°	103.9	103.5	103.6	105.0	109.1	118.4	129.5	140.8	147.1	145.6	144.4
32.5°	110.3	110.6	111.0	113.3	118.0	129.2	142.1	157.0	164.1	163.7	163.4
35°	117.6	117.6	118.4	120.6	127.4	140.7	156.3	173.1	183.7	184.1	183.3
37.5°	123.3	123.3	124.6	127.4	135.5	151.2	170.4	190.2	203.0	205.2	204.5
40°	128.4	128.1	129.5	133.7	143.2	162.4	184.2	207.2	224.3	228.0	227.1
42.5°	131.4	131.7	133.6	138.9	150.6	172.3	197.8	223.2	243.2	249.5	249.5
45°	133.6	133.8	136.7	143.0	157.3	182.0	210.1	239.7	261.7	270.9	271.3
47.5°	134.5	135.0	138.5	146.2	162.9	190.9	222.0	254.4	278.2	291.3	290.4
50°	134.5	135.1	139.3	148.5	167.9	198.5	233.2	268.5	295.1	309.6	309.5
52.5°	133.7	134.4	139.6	150.3	172.2	205.7	243.2	280.6	311.2	328.4	328.9
55°	132.1	132.9	138.9	151.4	175.5	211.5	251.3	291.8	325.2	344.5	345.7
57.5°	128.8	129.6	136.4	150.4	176.7	214.5	257.2	299.7	336.6	359.1	359.4
60°	123.3	124.3	131.7	147.3	175.5	214.6	258.7	303.3	344.2	369.0	370.0
62°	117.3	118.4	126.7	142.9	172.3	212.4	257.0	303.2	346.3	371.9	373.1
62.5°	115.8	116.7	125.2	141.4	171.1	211.3	256.1	302.5	346.0	372.0	373.0
65°	106.5	107.5	116.1	133.2	163.6	204.6	249.1	296.5	341.1	366.5	366.8
67.5°	96.2	97.2	105.8	122.0	152.7	193.4	237.3	284.6	327.9	350.0	352.0
70°	84.3	85.7	93.6	109.6	138.5	177.2	218.7	265.7	307.0	325.7	327.7
72.5°	72.5	73.5	79.8	93.9	120.0	156.0	194.6	237.1	274.7	292.5	294.1
75°	58.8	59.7	65.8	77.5	99.4	130.0	166.4	203.5	237.7	253.7	255.0
77.5°	46.4	46.7	51.1	60.4	77.2	102.0	132.1	161.4	192.4	207.0	210.2
80°	32.7	34.1	37.1	43.5	54.2	73.1	94.8	119.9	141.7	158.0	159.0
82.5°	21.2	21.5	23.4	25.7	33.4	46.1	60.4	75.8	95.3	105.8	105.0
85°	11.1	11.1	11.8	12.4	15.1	20.7	29.2	40.0	51.3	59.3	58.2
87.5°	1.9	1.8	1.9	1.8	2.3	3.3	6.2	10.0	15.1	17.8	19.6
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: CCP-VAAMBER-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
2.5°	60.4	60.4	60.5	60.8	60.8	60.9	61.1	61.1	61.2	61.3	61.3
5°	62.0	62.0	62.1	62.4	62.6	62.6	62.7	62.8	62.8	62.8	62.9
7.5°	64.2	64.3	64.5	64.6	64.7	64.7	65.2	65.0	65.0	65.0	65.0
10°	67.3	67.6	67.6	67.6	67.6	67.5	67.6	67.5	67.2	67.2	67.1
12.5°	72.0	72.0	71.7	71.5	71.0	70.9	70.8	70.3	69.8	69.5	69.5
15°	77.3	77.1	76.5	75.9	75.3	74.7	73.8	73.2	72.5	72.3	72.3
17.5°	84.2	83.8	82.3	81.2	79.5	78.3	77.2	76.1	75.3	75.0	74.9
20°	92.0	91.0	88.8	86.4	84.2	82.3	80.2	78.8	78.0	77.3	77.2
22.5°	101.8	100.4	96.6	92.8	88.8	86.1	83.5	81.6	80.1	79.4	79.1
25°	112.5	110.4	105.5	99.8	94.3	90.1	86.8	84.2	82.4	81.3	81.0
27.5°	126.1	123.1	115.8	107.2	99.9	94.6	90.1	87.1	84.7	83.1	82.8
30°	141.9	138.8	126.7	115.4	106.2	98.7	93.8	89.8	86.9	85.0	84.6
32.5°	160.8	155.1	141.2	125.2	112.6	103.5	97.2	92.5	89.0	86.8	86.2
35°	180.0	174.1	155.9	135.6	119.5	108.4	100.9	95.3	91.3	88.6	88.3
37.5°	201.5	194.3	173.0	147.4	126.9	113.6	104.3	97.9	93.1	90.2	89.9
40°	224.6	217.3	191.3	160.9	135.6	118.7	107.6	100.3	95.0	91.8	91.4
42.5°	247.3	238.7	210.0	174.5	144.5	124.3	111.4	102.9	96.6	93.3	92.8
45°	267.0	259.5	228.8	190.1	154.8	130.0	115.2	105.4	98.4	94.7	94.2
47.5°	289.4	281.3	249.5	204.5	164.7	136.6	119.0	107.6	99.9	96.0	95.5
50°	309.1	301.8	267.8	217.8	174.1	142.8	122.4	109.6	101.1	96.9	96.3
52.5°	327.0	320.5	284.7	230.2	182.2	148.5	125.5	111.1	102.0	97.3	96.6
55°	345.0	336.7	299.3	241.2	188.6	153.0	128.1	111.8	101.8	97.0	96.3
57.5°	358.6	350.7	310.0	249.0	193.4	156.0	129.6	111.7	101.0	95.8	95.0
60°	367.8	359.0	316.3	252.8	195.0	157.0	129.6	110.4	98.9	93.3	92.5
62°	371.2	361.1	317.5	253.3	194.3	156.0	128.7	108.4	96.2	90.7	89.9
62.5°	371.3	360.9	317.1	252.9	194.0	155.6	128.1	107.7	95.5	89.9	89.1
65°	365.3	354.9	312.2	248.7	189.3	151.9	124.3	103.7	90.7	85.3	84.4
67.5°	348.1	340.1	300.4	238.9	181.3	145.1	118.7	98.0	85.1	79.4	79.0
70°	324.1	316.8	281.3	223.9	169.8	135.2	110.3	90.3	78.0	72.8	71.8
72.5°	294.0	284.6	254.0	203.9	153.3	121.7	99.4	80.8	69.8	65.2	64.6
75°	256.6	245.3	219.8	177.5	133.5	105.4	86.6	70.1	60.4	56.4	56.8
77.5°	209.0	203.7	177.7	141.5	108.7	87.2	71.0	59.4	51.1	47.8	47.5
80°	157.8	152.7	134.5	107.5	82.1	66.0	55.0	46.8	41.1	38.2	38.1
82.5°	107.0	102.2	88.4	72.1	56.0	46.7	39.8	34.5	30.9	29.6	29.6
85°	58.8	54.7	46.8	39.0	31.6	26.7	25.7	23.0	22.0	21.8	22.0
87.5°	18.3	18.2	15.5	12.7	11.1	11.2	10.1	10.4	9.8	9.7	10.4
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

Streetworks

Report Number: SP1-2407-176-1

Test Date: 09/23/2024

Luminaire Tested: MEM2-HTN-VA60-AMB-U-WQ

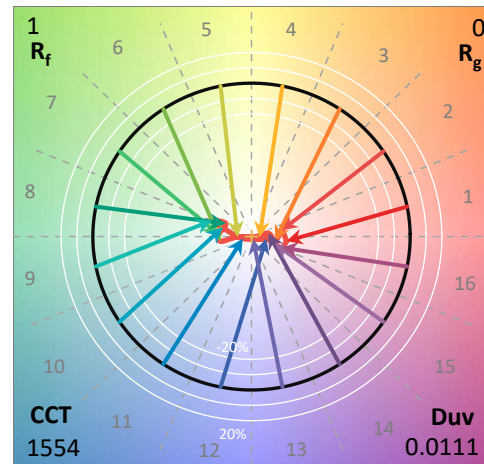
Data in this report applies to families of products including MEM2-HTN-VA60-AMB-U-WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-176-1
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 09/27/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Streetworks
 Catalog Number: **MEM2-HTN-VA-60-AMB-U-WQ**
 Description: EPIC MODERN VISUAL COMFORT 60W AMBER WAVESTREAM WIDE

Spectral Parameters

CCT (K):	1554	CRI (Ra):	-22.5		
CIE u':	0.3509	R1:	-35.4	R9:	-390.1
CIE v':	0.5472	R2:	51.6	R10:	27.7
Duv:	0.0111	R3:	17.0	R11:	-96.9
CIE x:	0.5903	R4:	-69.3	R12:	-12.7
CIE y:	0.4091	R5:	-41.7	R13:	-16.6
CIE z:	0.0006	R6:	40.2	R14:	45.8
Peak Wavelength (nm):	596	R7:	-7.3	R15:	-68.6
Dominant Wavelength (nm):	592	R8:	-135.2		
Purity:	99.98723				
Rf:	1.1				
Rg:	0				



Test Conditions

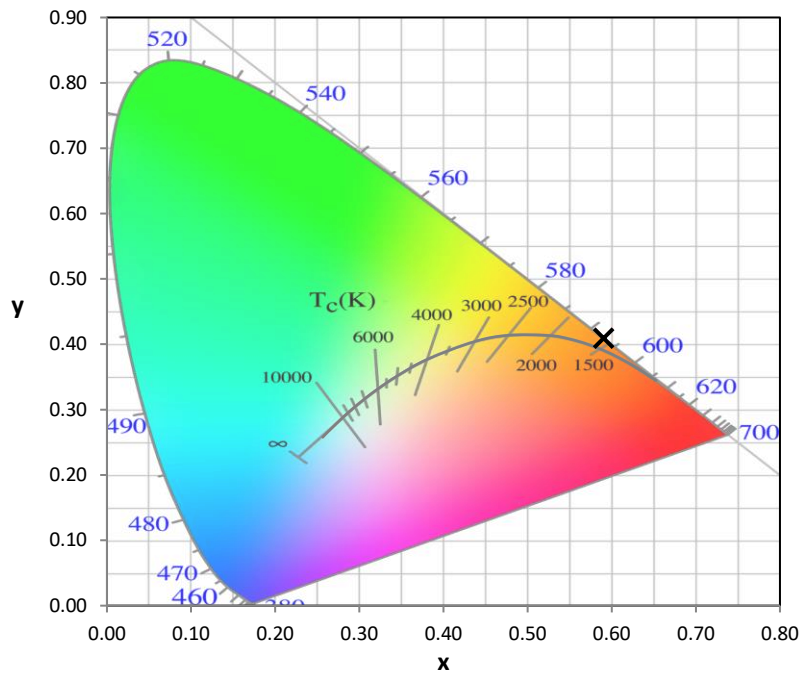
Stabilization Time: 98M
 Operation Time: 2H 38M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-176-1

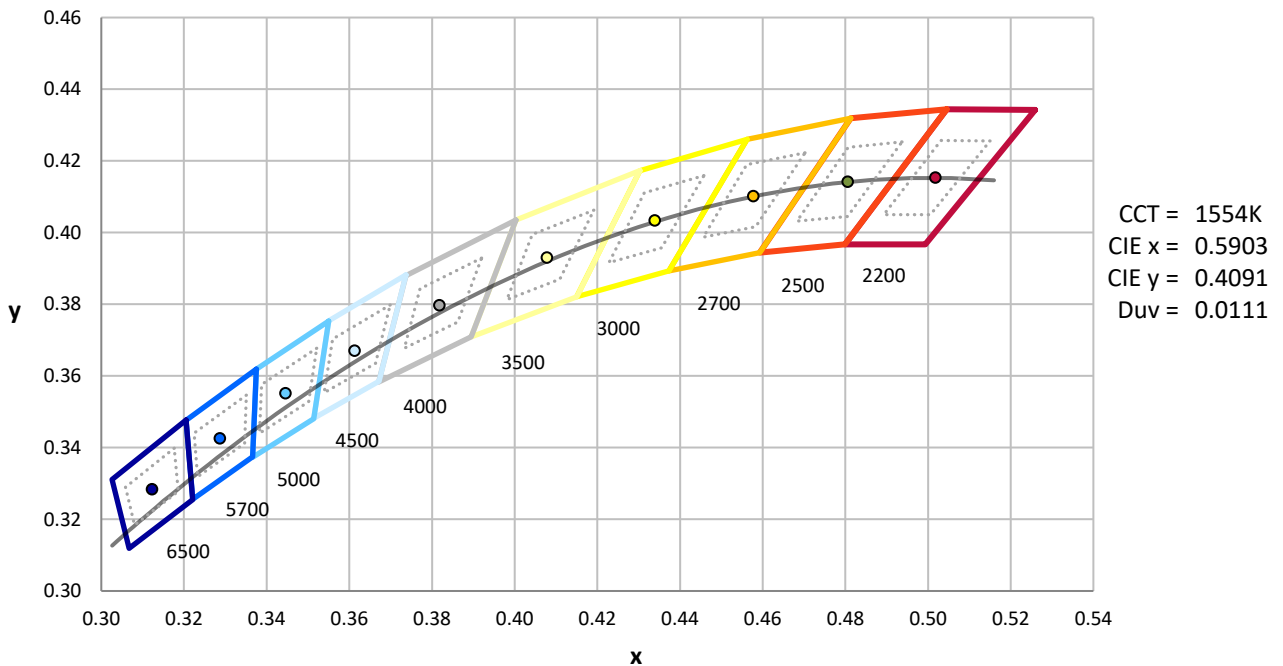
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



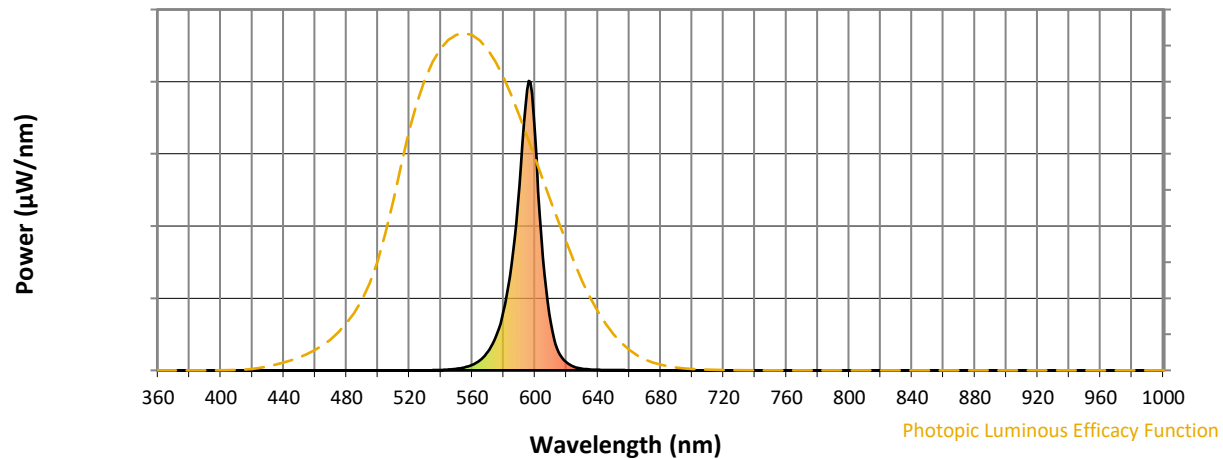
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies outside the range

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Photopic Flux vs. Wavelength

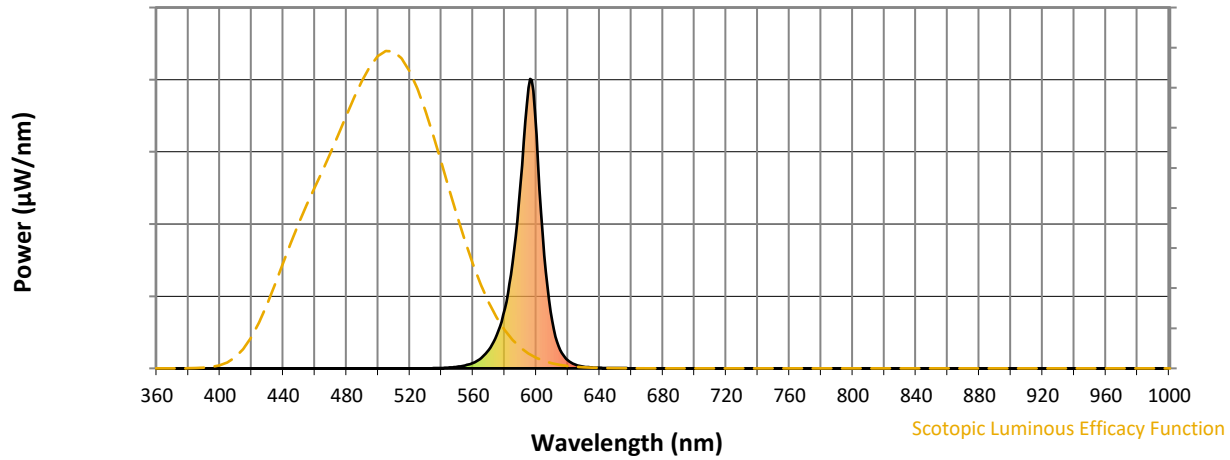


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	0	NR	620	27	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	12	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	35	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	64	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	116	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	206	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	364	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	639	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	970	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	808	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	391	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	164	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	63	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP1-2407-176-1

Scotopic Flux vs. Wavelength



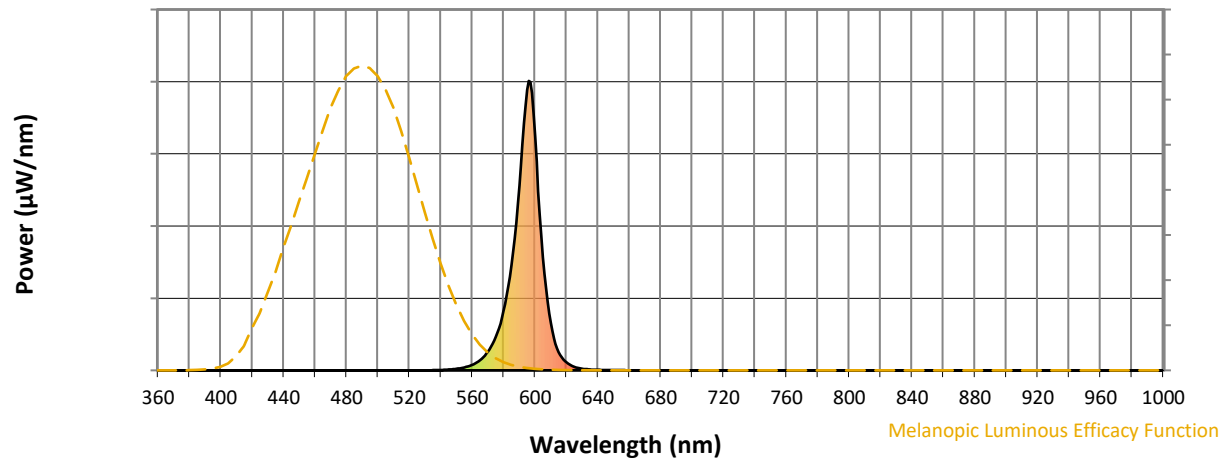
Scotopic Lumens: NR

S/P: 0.22

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	0	NR	620	27	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	12	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	35	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	64	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	116	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	206	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	364	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	639	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	970	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	808	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	391	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	164	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	63	NR	745	0	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 0.12

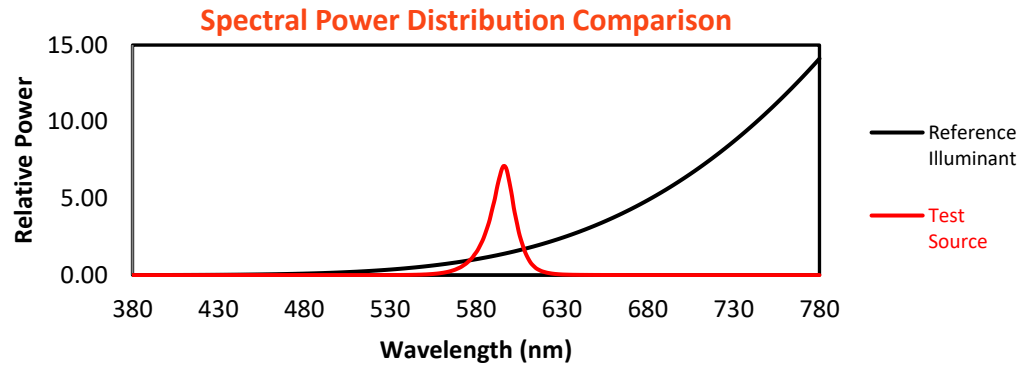
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	0	NR	620	27	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	12	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	35	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	64	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	116	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	206	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	364	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	639	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	970	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	808	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	391	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	164	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	63	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP1-2407-176-1

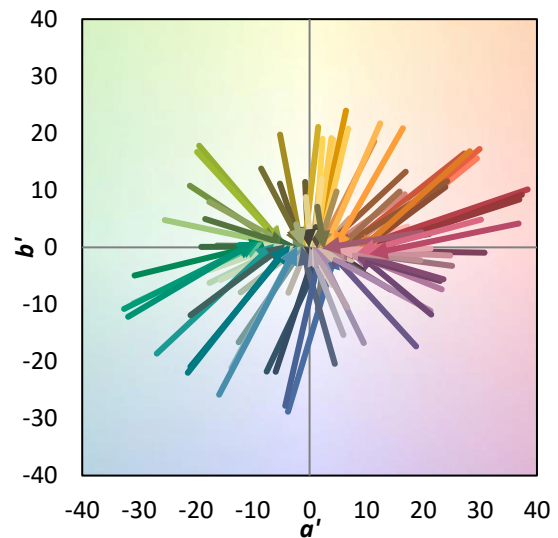
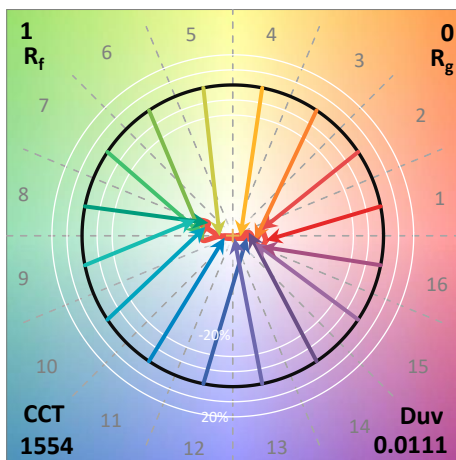
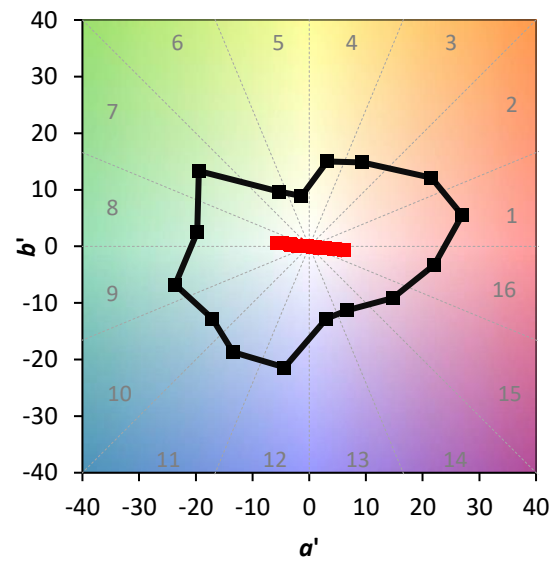
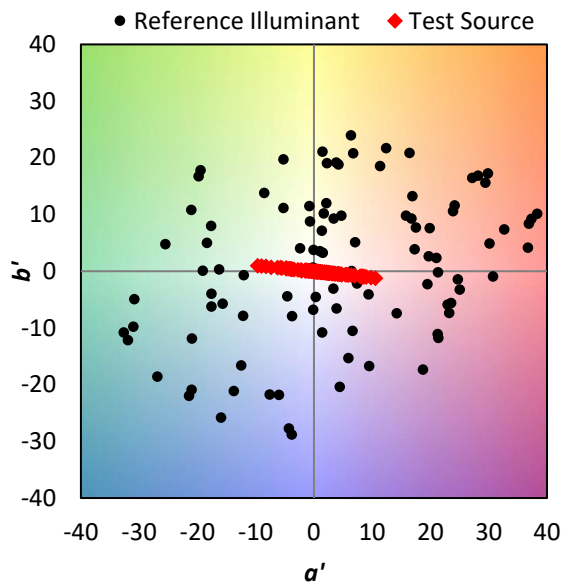
TM-30-18

Summary

$R_f = 1.1$
 $R_g = 0$
 $CIE\ R_a = -22.5$
 $R_g = -390.1$

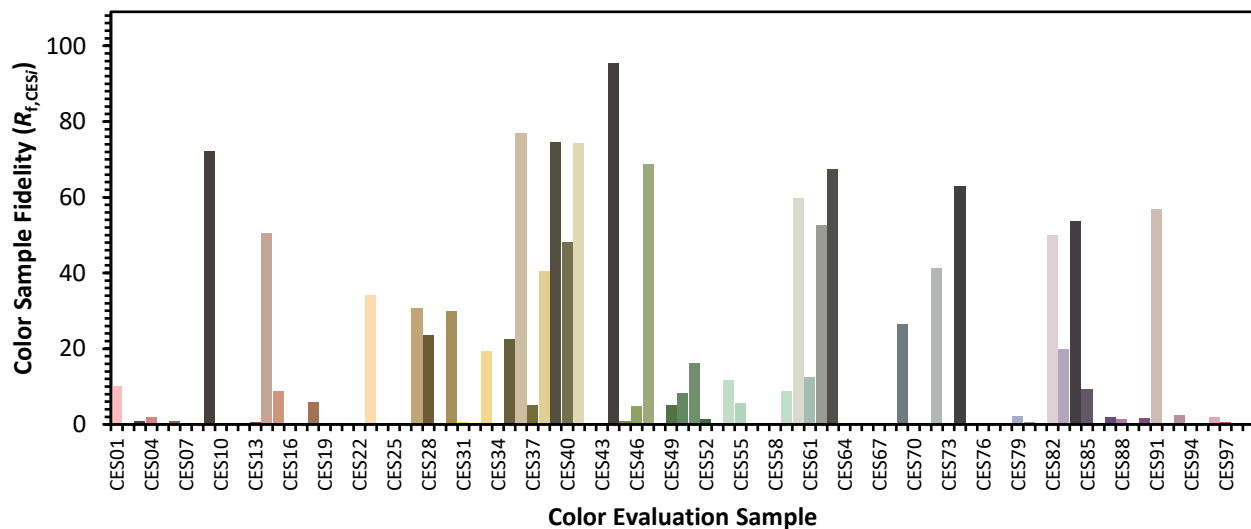


Color Vector Graphics

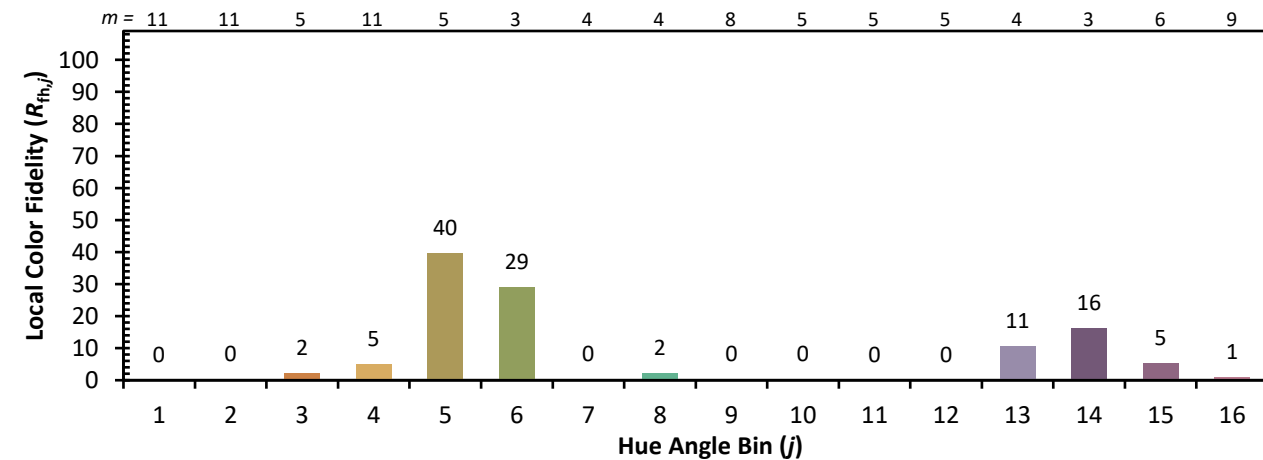
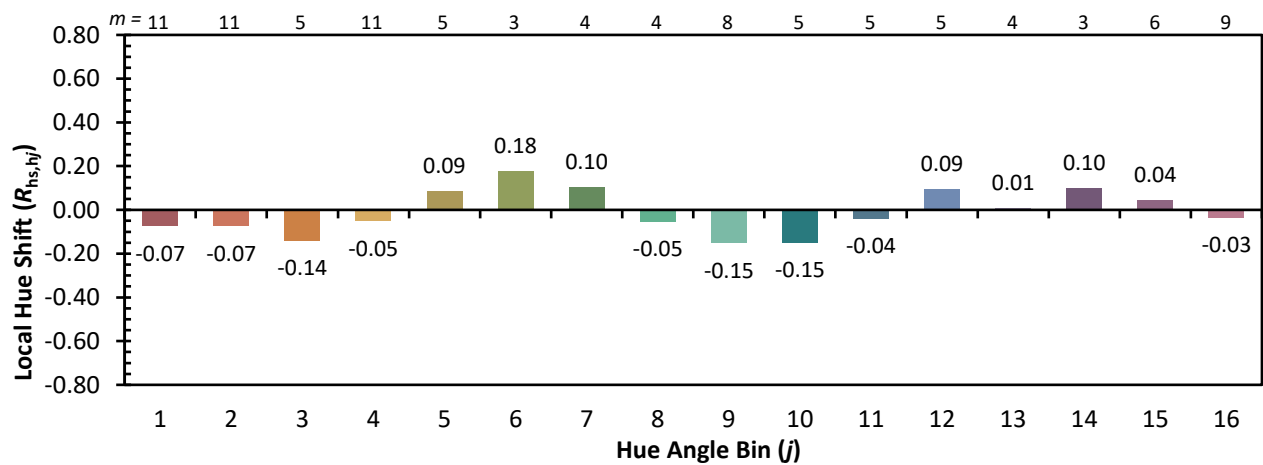
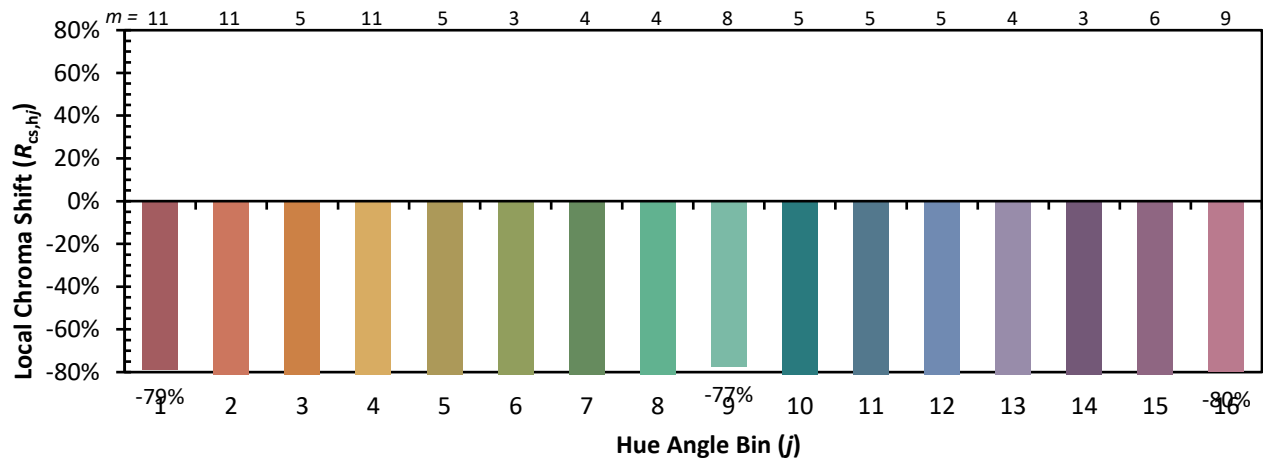


Individual Sample Fidelity Index (R_{fi})

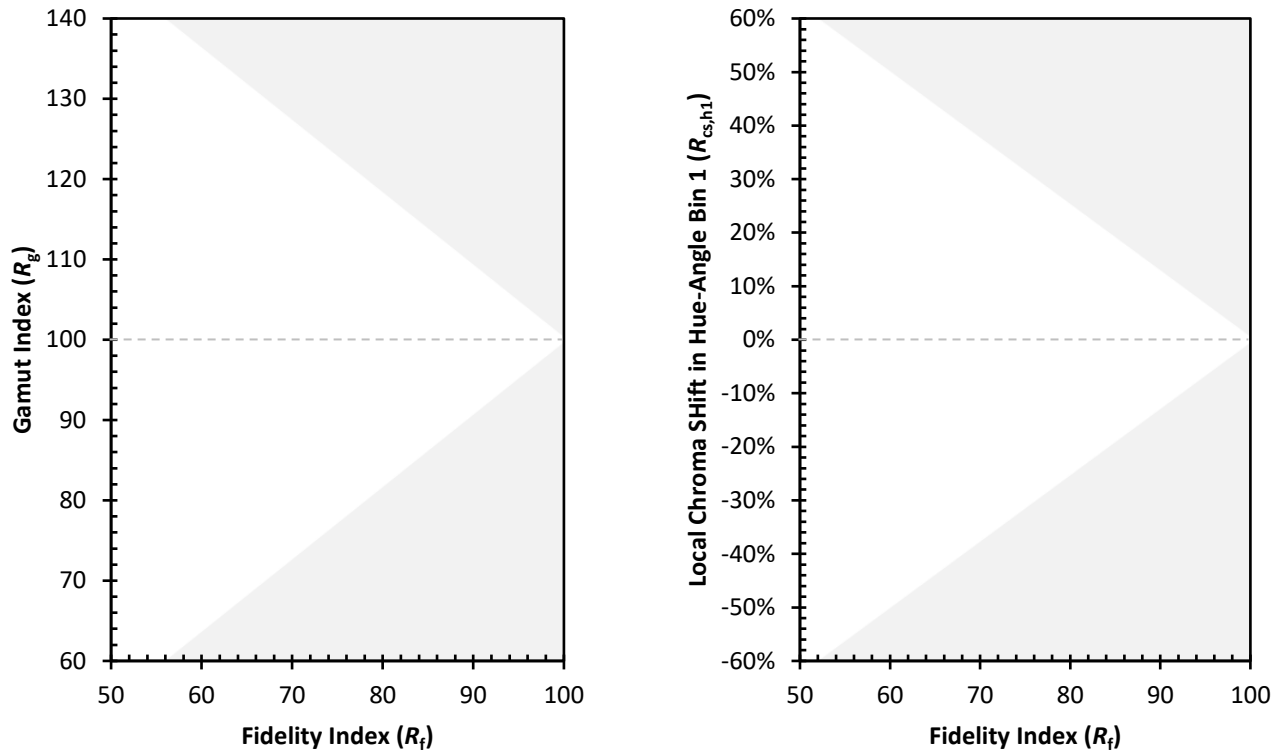
CES01 = 90	CES26 = 0	CES51 = 16	CES76 = 0
CES02 = 69	CES27 = 31	CES52 = 2	CES77 = 0
CES03 = 31	CES28 = 24	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 2
CES05 = 52	CES30 = 30	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 1	CES56 = 0	CES81 = 0
CES07 = 41	CES32 = 0	CES57 = 0	CES82 = 50
CES08 = 38	CES33 = 19	CES58 = 0	CES83 = 20
CES09 = 29	CES34 = 0	CES59 = 9	CES84 = 54
CES10 = 87	CES35 = 22	CES60 = 60	CES85 = 9
CES11 = 70	CES36 = 77	CES61 = 12	CES86 = 0
CES12 = 75	CES37 = 5	CES62 = 53	CES87 = 2
CES13 = 47	CES38 = 40	CES63 = 67	CES88 = 1
CES14 = 76	CES39 = 75	CES64 = 0	CES89 = 0
CES15 = 74	CES40 = 48	CES65 = 0	CES90 = 2
CES16 = 49	CES41 = 74	CES66 = 0	CES91 = 57
CES17 = 56	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 59	CES43 = 0	CES68 = 0	CES93 = 2
CES19 = 80	CES44 = 95	CES69 = 26	CES94 = 0
CES20 = 71	CES45 = 1	CES70 = 0	CES95 = 0
CES21 = 94	CES46 = 5	CES71 = 0	CES96 = 2
CES22 = 87	CES47 = 69	CES72 = 41	CES97 = 1
CES23 = 94	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 95	CES49 = 5	CES74 = 63	CES99 = 0
CES25 = 79	CES50 = 8	CES75 = 0	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)