

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: P574410

Luminaire Tested: **CCP-VA-AMBER-U-T2**

Issue Date: 10/14/2021



Test Information

Test Method: LM-79-08
Report Number: P574410
Test Lab: INNOVATION CENTER(G1)
Issue Date: 10/14/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-VA-AMBER-U-T2
Description: INVUE CLEARCURVE POLE MOUNT Wave Stream LUMINAIRE WITH T2
DISTRIBUTION LENS
Light Source: 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 831.9 lumens
Efficiency: N/A
Efficacy: 27.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.54' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 29.8
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

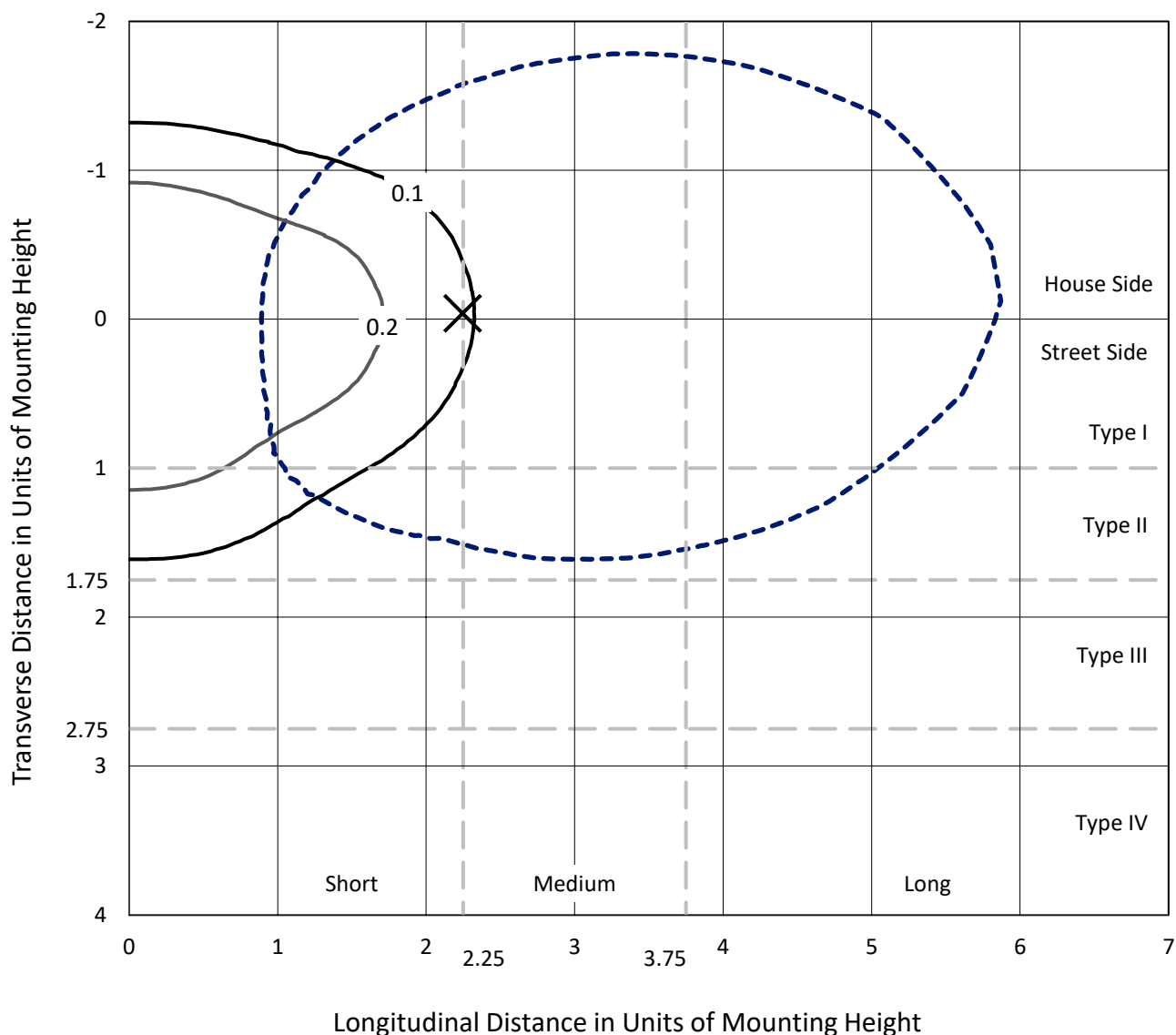
REPORT NUMBER: P574410

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

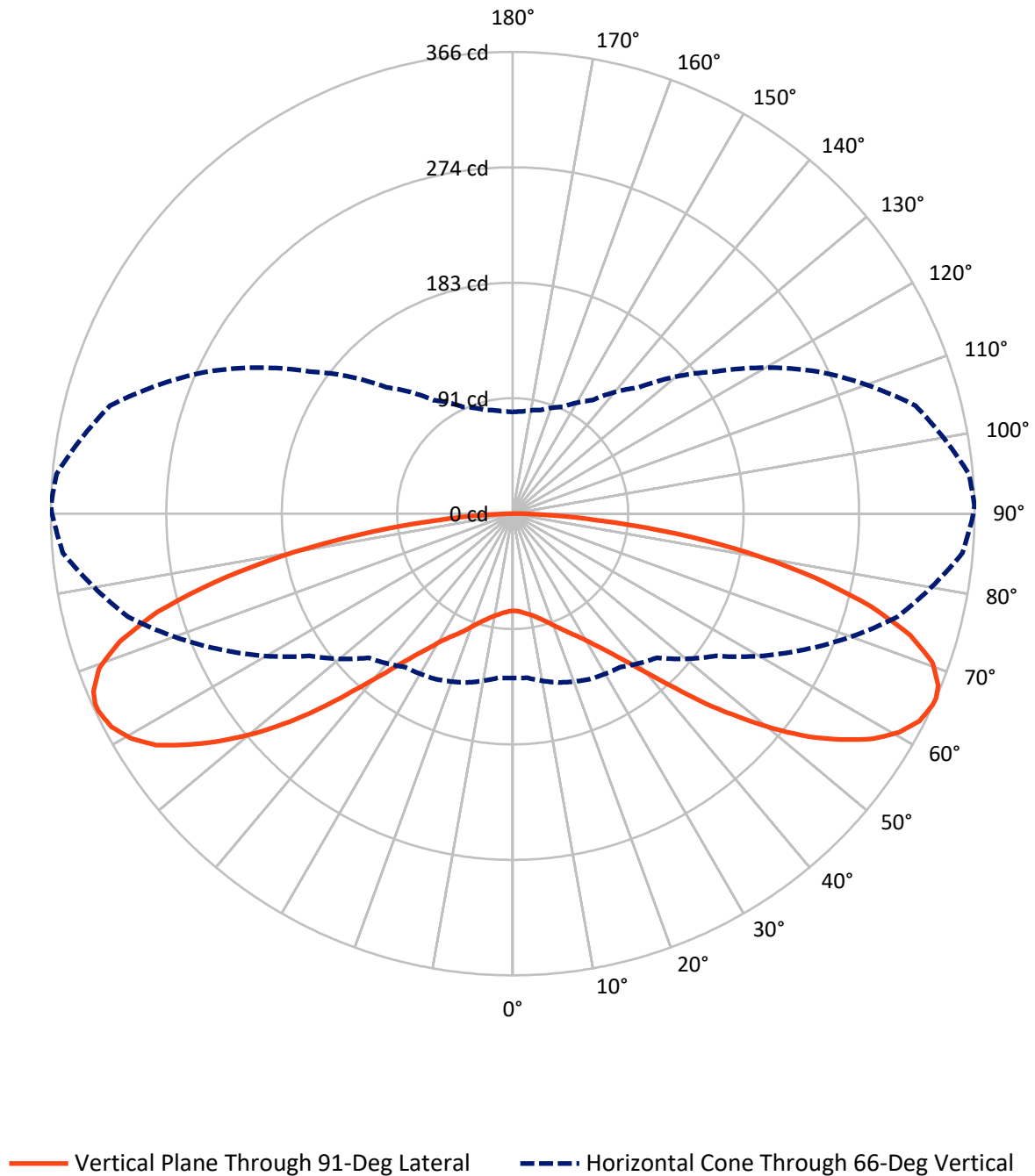
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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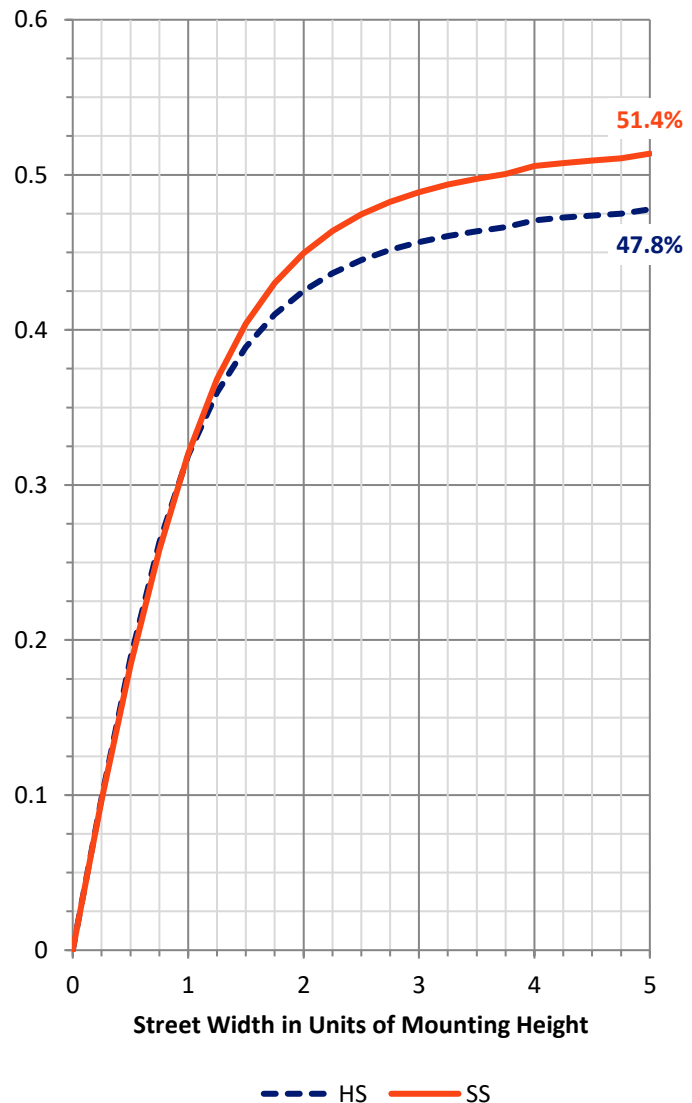
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	401.5	0.0	401.5
	% Fixture	48.3	0.0	48.3
Street Side	Lumens	430.4	0.0	430.4
	% Fixture	51.7	0.0	51.7
Total	Lumens	831.9	0.0	831.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.9
10°-20°	24.8	3.0
20°-30°	48.0	5.8
30°-40°	78.8	9.5
40°-50°	124.8	15.0
50°-60°	172.1	20.7
60°-70°	193.3	23.2
70°-80°	144.4	17.4
80°-90°	38.0	4.6
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°	831.9	100.0
0°-180°	831.9	100.0

Coefficient of Utilization



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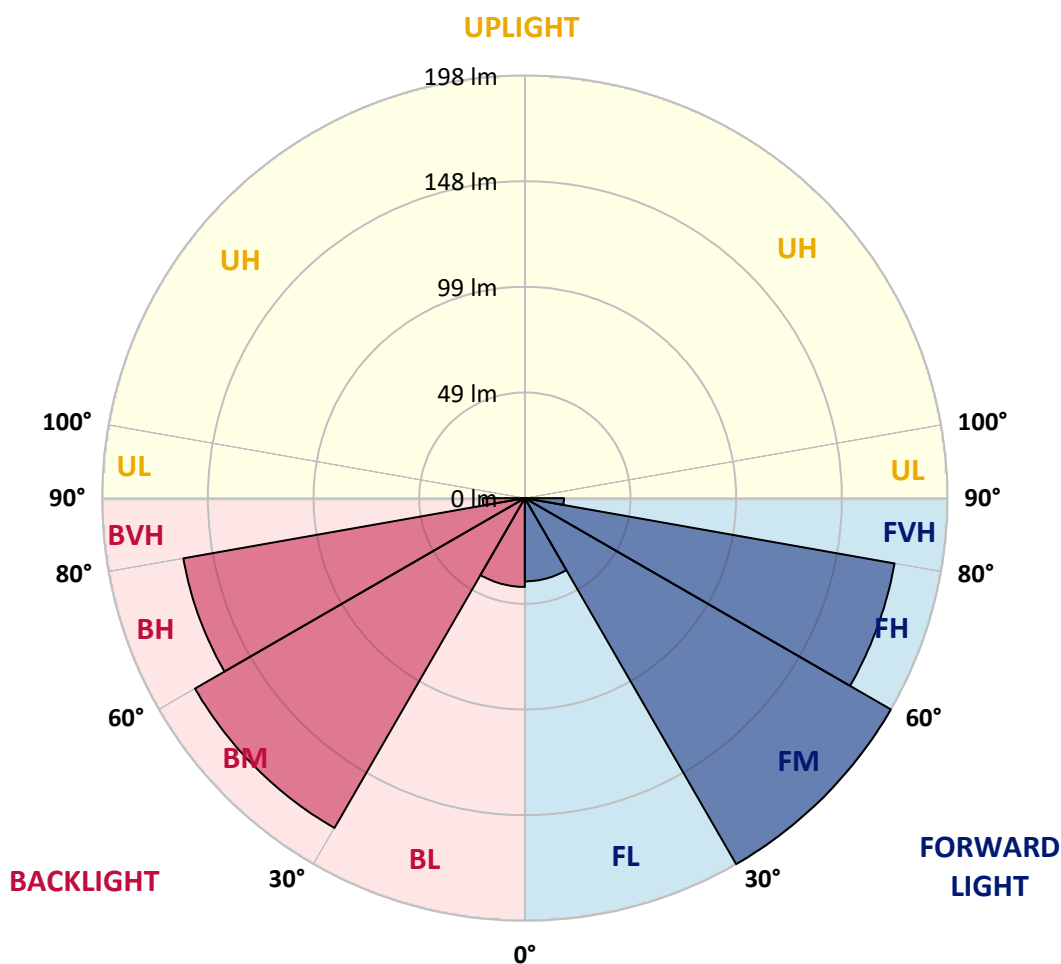
CATALOG NUMBER: CCP-VA-AMBER-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	38.9	4.7			
FM	(30°-60°)	197.6	23.8			
FH	(60°-80°)	175.6	21.1			G0/660
FVH	(80°-90°)	18.3	2.2			G1/100
BL	(0°-30°)	41.6	5.0	B0/110		
BM	(30°-60°)	178.1	21.4	B0/220		
BH	(60°-80°)	162.2	19.5	B1/500		G1/500
BVH	(80°-90°)	19.7	2.4			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 II Short



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CATALOG NUMBER: CCP-VA-AMBER-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
2.5°	77.4	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.4	77.4
5°	78.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.6	78.6	78.6
7.5°	78.6	78.6	78.8	78.8	79.1	79.1	79.4	79.4	79.7	80.0	80.0
10°	79.7	79.7	80.0	80.0	80.6	80.9	81.2	81.2	81.8	81.8	81.8
12.5°	81.2	81.5	81.8	82.1	82.7	82.9	83.3	83.6	83.9	84.2	84.2
15°	83.6	83.3	83.9	84.4	84.7	85.3	85.6	85.9	86.5	87.1	87.1
17.5°	85.3	85.6	85.9	86.5	87.1	88.0	88.6	89.1	89.7	90.3	90.3
20°	87.7	87.4	88.6	89.4	90.0	91.2	92.1	93.3	93.9	94.4	94.7
22.5°	89.7	90.0	90.6	91.8	93.0	94.7	96.5	97.4	98.3	98.8	99.7
25°	92.4	92.7	93.6	94.7	96.5	98.6	100.6	101.8	102.7	103.9	104.7
27.5°	95.0	95.0	96.5	98.3	100.3	103.0	105.3	106.5	108.0	109.4	110.0
30°	98.0	98.0	99.4	101.8	104.7	107.7	109.7	112.1	114.2	115.6	116.8
32.5°	102.4	102.4	104.2	106.5	109.7	113.3	116.2	118.6	121.2	123.9	126.2
35°	107.4	107.7	110.0	113.0	116.8	121.2	123.9	127.1	130.0	134.5	136.8
37.5°	115.3	115.6	118.3	122.1	125.9	130.6	135.0	138.9	143.3	148.3	150.0
40°	127.1	128.0	130.6	132.4	135.9	139.4	145.9	152.4	160.0	166.8	168.0
42.5°	148.3	147.4	145.6	145.0	145.9	149.7	156.8	166.8	180.3	188.9	188.9
45°	156.5	156.5	156.8	156.2	155.6	158.3	166.5	182.4	201.5	213.3	215.6
47.5°	158.0	158.3	160.9	163.3	163.9	166.8	176.8	197.7	223.3	240.7	242.1
50°	158.0	158.6	162.1	166.2	169.2	173.3	185.6	211.2	244.8	264.8	268.6
52.5°	157.4	158.0	161.8	166.8	171.5	177.4	193.3	225.4	263.9	291.0	292.7
55°	155.9	156.5	161.2	166.5	171.8	179.7	199.5	237.4	282.4	312.7	316.0
57.5°	154.2	155.0	160.0	165.6	170.6	180.3	203.6	246.8	297.4	332.2	338.1
60°	150.6	152.1	157.7	163.3	168.0	178.3	205.6	254.2	308.6	346.3	352.2
62.5°	143.6	145.0	151.2	157.4	162.1	173.3	204.5	257.7	315.1	355.1	361.3
65°	134.8	135.3	142.1	148.6	153.3	165.1	199.5	257.1	316.5	358.1	365.1
66°	130.3	130.6	138.6	144.8	148.6	161.5	196.5	255.1	315.7	357.8	365.1
67.5°	122.4	123.9	130.6	137.1	141.5	153.6	189.5	250.4	312.2	354.8	362.5
70°	108.6	109.7	115.3	121.8	126.5	138.0	174.2	236.5	299.2	342.7	351.6
72.5°	93.6	94.4	100.3	105.0	108.0	120.3	155.6	213.9	276.5	320.1	328.6
75°	77.7	78.3	83.6	86.8	89.4	100.3	130.9	184.8	241.0	283.3	294.5
77.5°	61.2	61.5	65.9	68.8	68.8	78.3	103.9	149.7	197.7	236.8	245.1
80°	45.0	44.7	47.4	48.8	49.7	55.9	74.7	110.0	150.6	181.2	189.2
82.5°	29.4	29.1	30.9	31.5	31.5	35.3	47.1	69.7	98.8	123.0	127.7
85°	15.6	16.2	15.9	15.9	15.9	17.4	23.5	36.5	52.6	65.9	69.1
87.5°	2.6	2.6	2.6	2.9	3.5	4.7	6.2	10.3	15.0	20.3	22.9
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-VA-AMBER-U-T2

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
2.5°	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
5°	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
7.5°	80.0	80.0	80.3	80.3	80.3	80.6	80.6	80.3	80.3	80.3	80.3
10°	81.8	81.8	82.1	82.4	82.4	82.7	82.7	82.4	82.4	82.1	82.1
12.5°	84.2	84.4	84.7	85.0	85.3	85.3	85.0	84.7	84.4	84.2	84.2
15°	87.1	87.4	87.7	88.3	88.3	88.3	88.0	87.7	87.1	86.8	87.1
17.5°	90.6	90.9	91.5	91.8	92.1	91.8	91.8	91.5	91.5	91.2	91.2
20°	95.0	95.3	96.2	96.5	96.5	96.8	97.7	98.3	99.1	99.4	99.4
22.5°	99.4	100.0	100.9	102.1	102.7	103.9	104.2	104.7	104.5	103.6	103.6
25°	104.7	105.3	107.1	108.6	109.7	110.3	109.7	108.9	107.4	106.2	105.9
27.5°	110.3	111.2	113.9	115.9	116.5	115.9	113.6	111.5	109.7	108.3	107.7
30°	117.4	118.9	121.8	123.0	122.7	120.3	116.8	114.2	111.5	109.7	109.4
32.5°	126.2	127.7	130.3	130.6	128.9	124.5	119.7	116.2	113.0	110.9	110.6
35°	136.8	138.3	139.7	138.9	133.9	128.3	122.4	117.4	114.2	111.8	111.8
37.5°	150.3	151.2	151.2	146.8	139.1	131.8	124.5	118.6	115.0	112.7	112.4
40°	168.0	167.7	163.6	155.0	145.0	135.0	125.9	119.7	115.3	113.0	112.7
42.5°	189.2	187.1	178.3	164.5	150.6	138.0	127.7	120.0	115.0	112.7	112.4
45°	215.1	211.5	195.6	175.3	156.5	140.6	128.6	119.7	114.2	111.5	111.2
47.5°	240.7	238.6	216.8	186.8	162.4	143.6	129.1	118.9	112.4	108.6	108.6
50°	267.7	262.7	238.0	200.7	168.6	145.6	129.1	117.4	109.4	105.3	104.7
52.5°	293.9	288.9	259.5	214.5	175.3	147.7	128.6	115.3	106.8	102.4	101.8
55°	316.3	312.2	280.4	230.1	182.4	149.2	127.7	113.0	104.2	100.0	99.4
57.5°	336.8	332.7	298.6	243.3	189.2	150.0	125.6	110.0	100.9	96.8	96.5
60°	351.9	348.6	314.2	255.7	194.8	150.0	122.7	106.5	97.4	93.3	93.0
62.5°	361.9	358.6	325.4	263.9	198.3	148.0	118.3	101.8	93.0	89.1	88.3
65°	365.7	362.7	330.4	267.1	197.7	143.9	112.4	95.9	87.4	83.6	82.9
66°	366.0	362.7	330.4	266.5	196.2	141.5	109.7	93.3	85.0	81.2	80.6
67.5°	363.6	360.7	328.3	263.6	192.1	137.1	104.5	88.8	80.6	76.8	76.5
70°	352.7	350.4	317.1	252.4	182.4	127.4	95.6	80.3	72.4	69.7	68.8
72.5°	329.2	326.6	294.8	231.5	166.5	114.2	84.4	70.3	63.9	60.6	60.3
75°	292.7	291.6	260.7	203.9	143.6	98.3	71.5	59.4	54.1	51.8	51.8
77.5°	245.1	242.7	216.5	168.6	118.0	79.4	57.4	48.3	44.1	42.1	42.4
80°	190.7	188.9	166.8	126.5	89.1	59.7	42.9	36.8	33.8	32.6	32.1
82.5°	130.6	125.9	111.2	83.9	58.0	40.3	29.7	25.6	24.1	23.8	23.5
85°	68.0	69.7	58.5	44.4	31.5	22.4	18.0	16.5	15.9	16.2	16.2
87.5°	22.4	22.9	17.7	13.5	10.3	7.9	6.8	6.5	5.6	6.2	6.5
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-VA-60-AMB-U-WQ

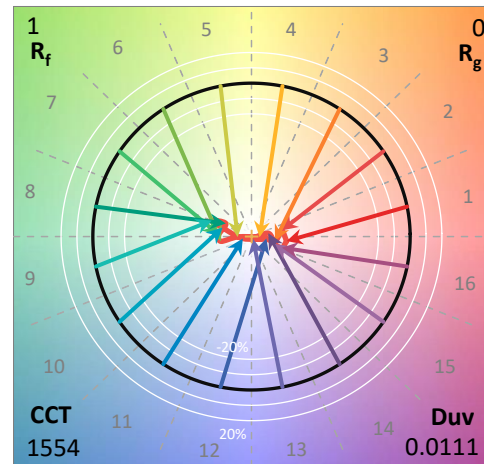
Data in this report applies to families of products including MEM2-HTN-VA-60-AMB-U-WQ

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

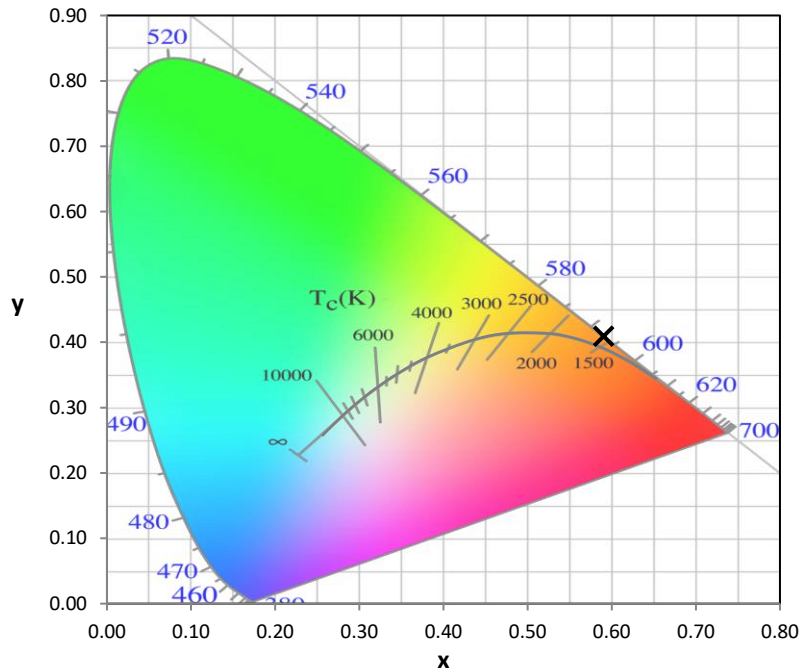
Stabilization Time: 98M
 Operation Time: 2H 38M
 Sphere Temperature (°C): 25.2

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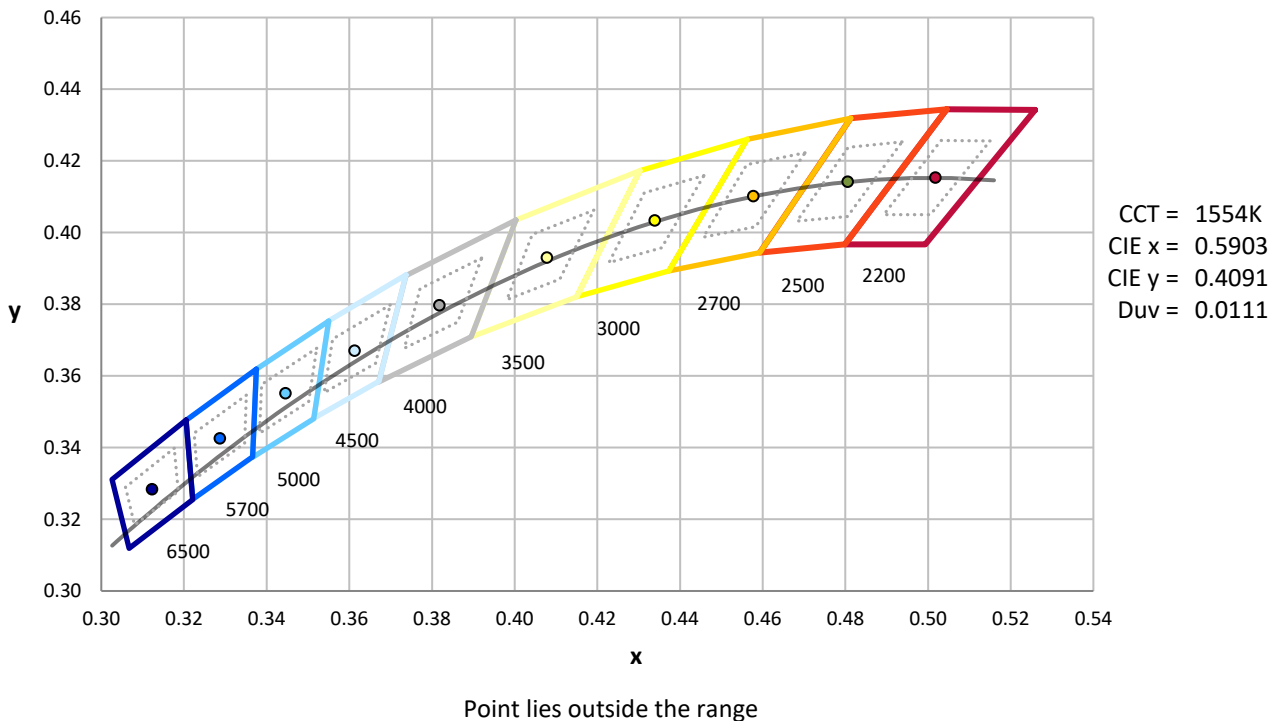
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

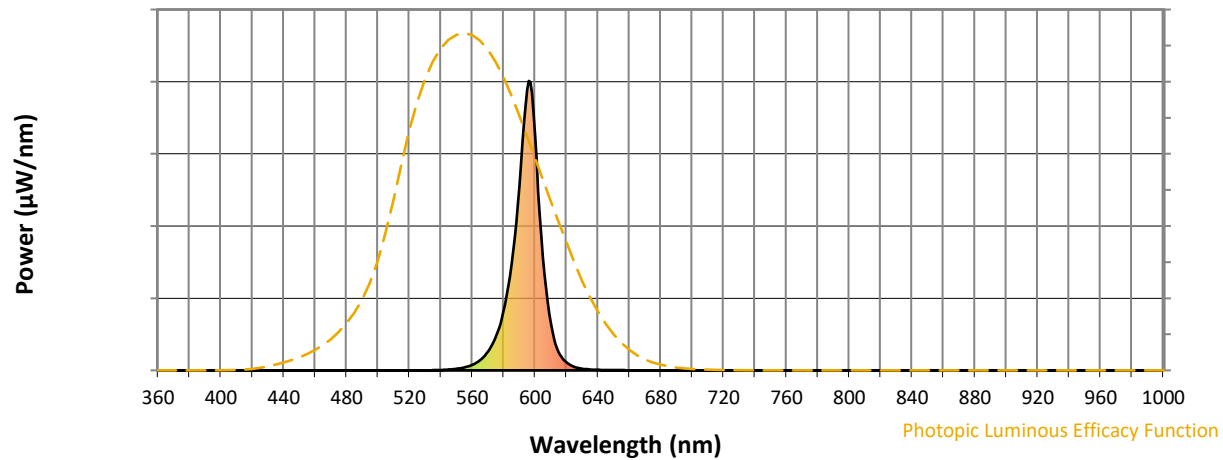


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

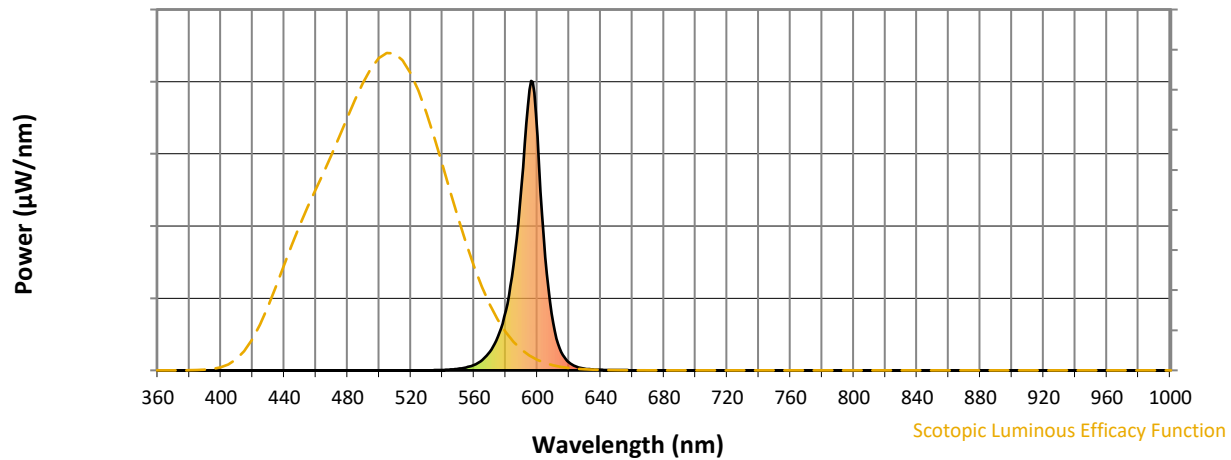


Photopic Lumens: NR

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



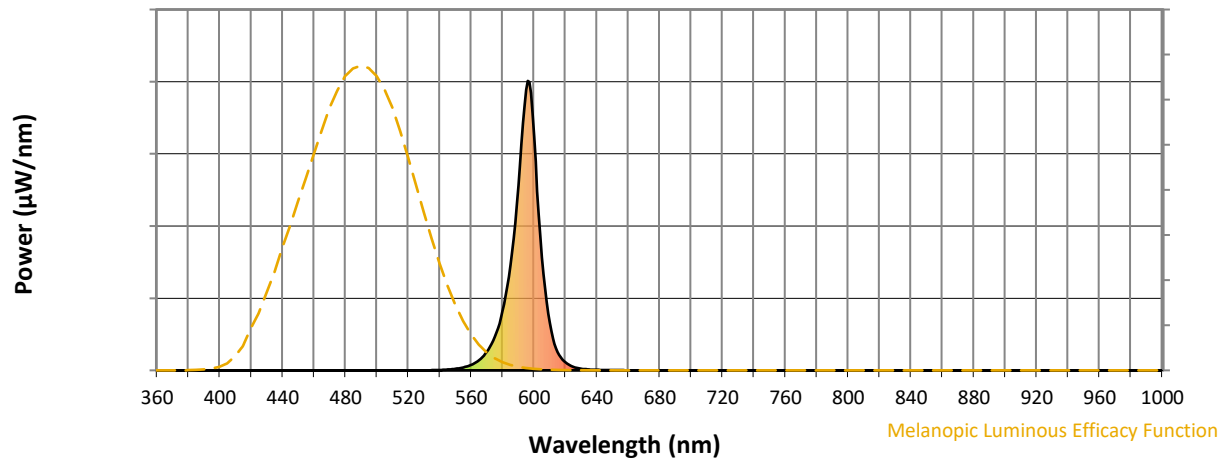
Scotopic Lumens: NR

S/P: 0.22

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 0.12

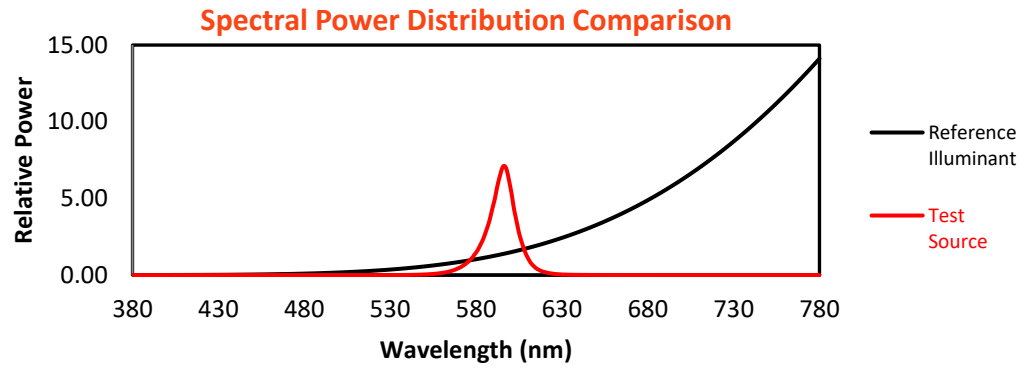
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	0	NR	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

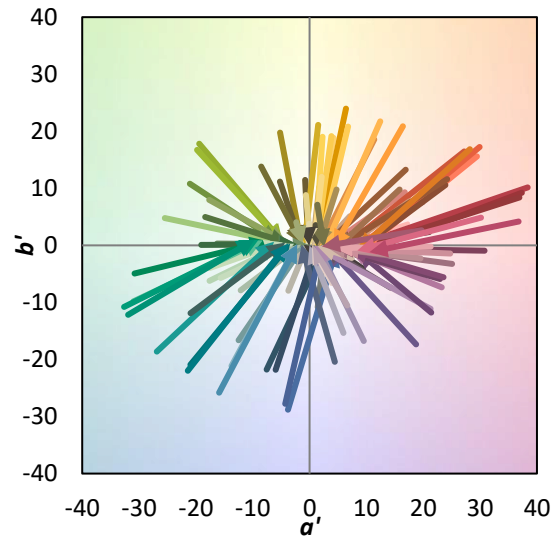
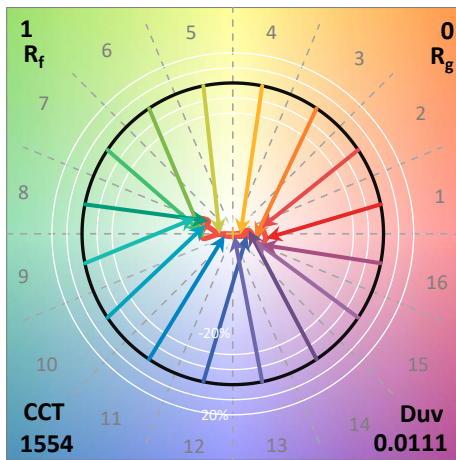
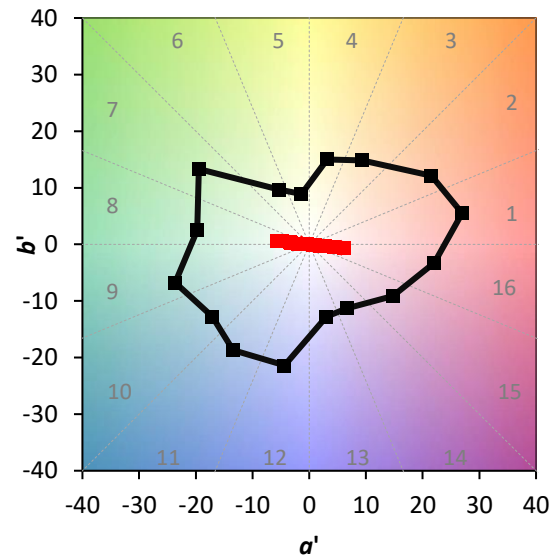
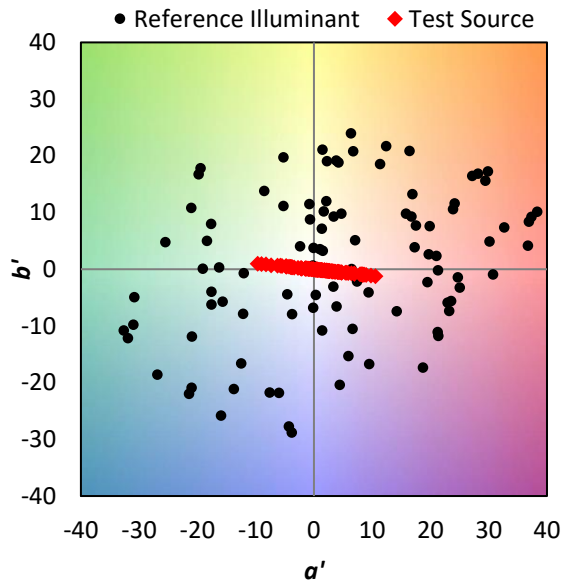
TM-30-18

Summary

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

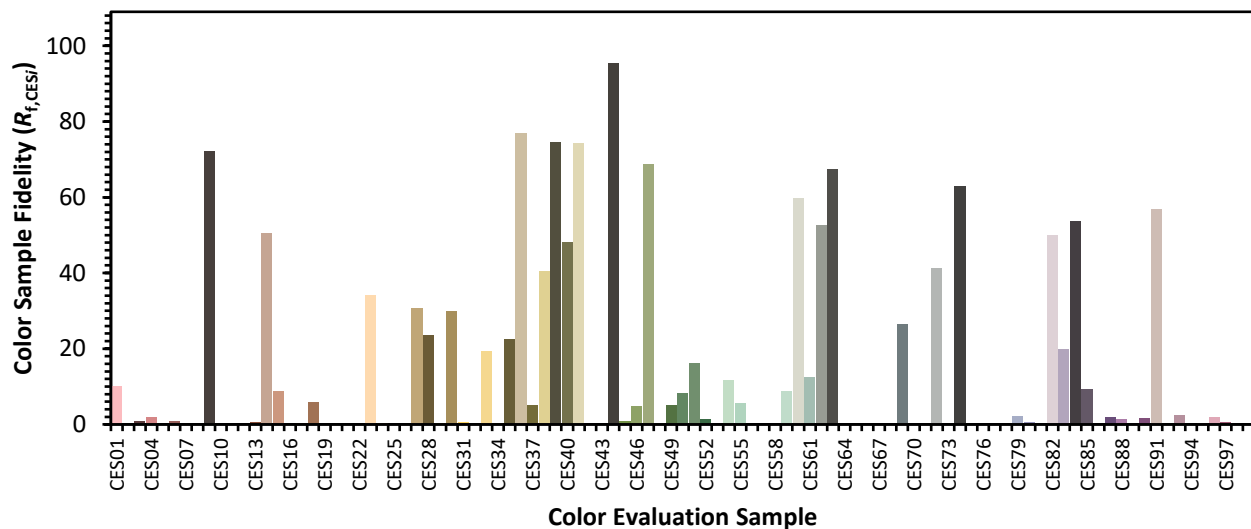


Color Vector Graphics

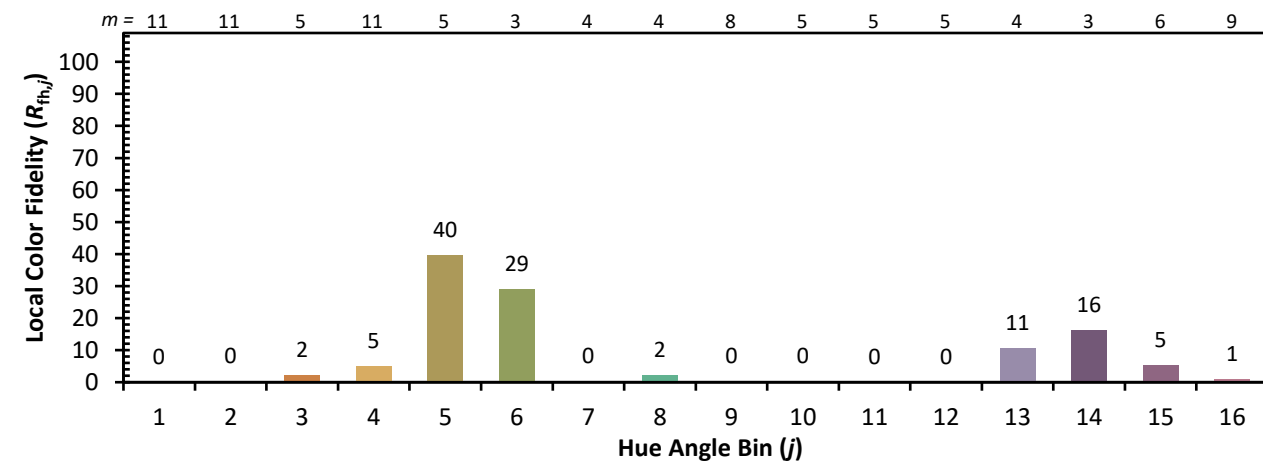
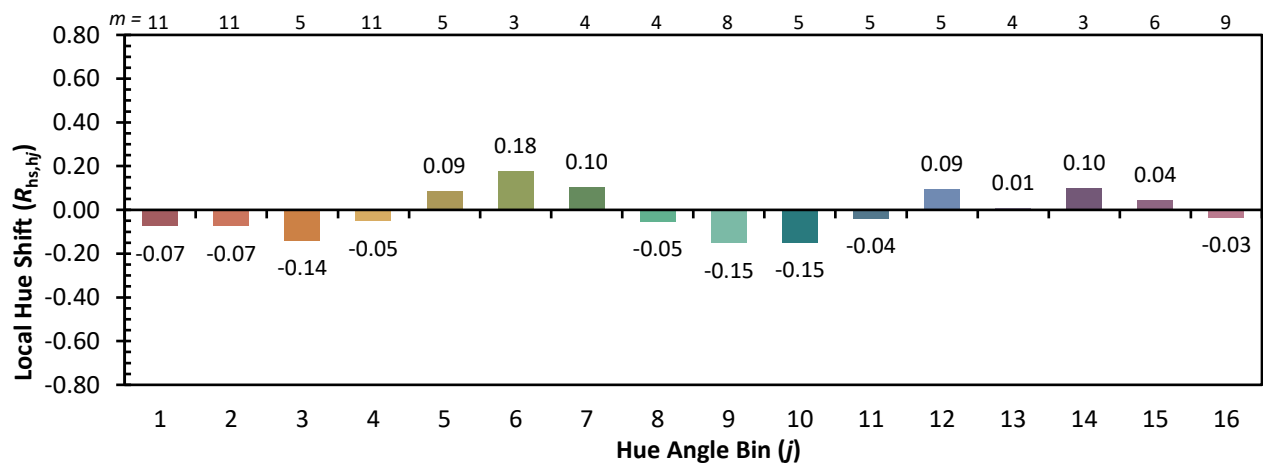
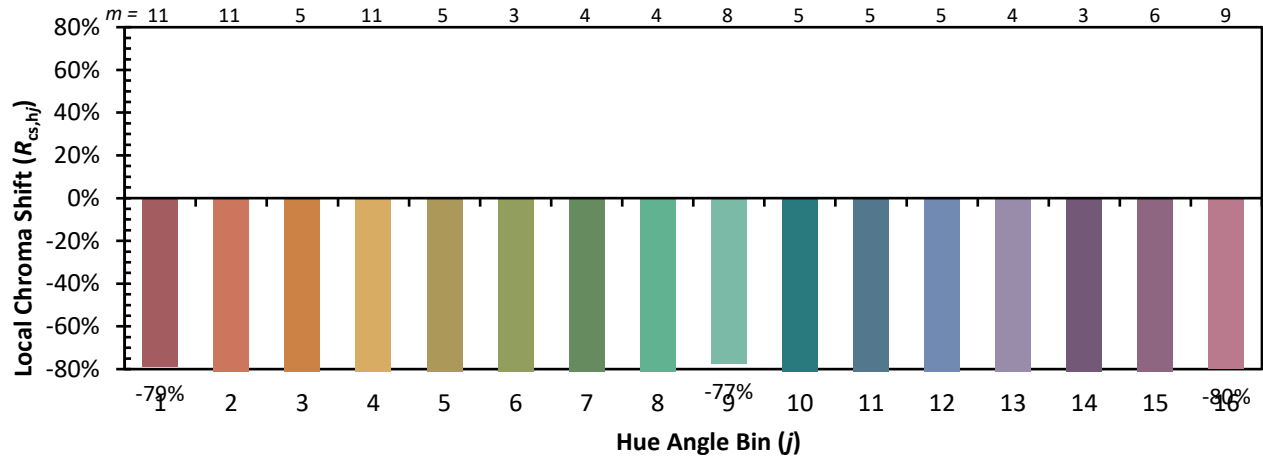


Individual Sample Fidelity Index (R_{fi})

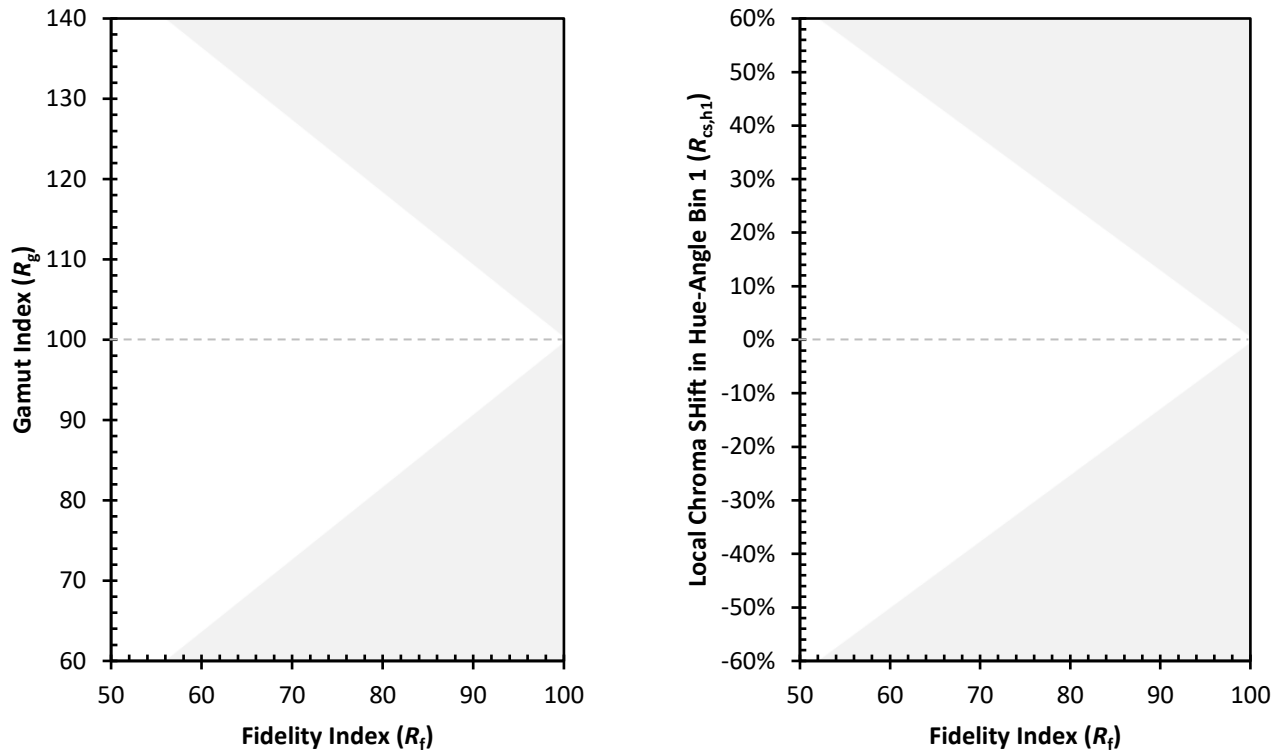
CES01 = 90	CES26 = 0	CES51 = 16	CES76 = 0
CES02 = 69	CES27 = 31	CES52 = 2	CES77 = 0
CES03 = 31	CES28 = 24	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 2
CES05 = 52	CES30 = 30	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 1	CES56 = 0	CES81 = 0
CES07 = 41	CES32 = 0	CES57 = 0	CES82 = 50
CES08 = 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)