

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: STREETWORKS

Report Number: P1066351

Luminaire Tested: **NVN-SA5C-760-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066351
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA5C-760-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
70CRI 5700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27558.8 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 236
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

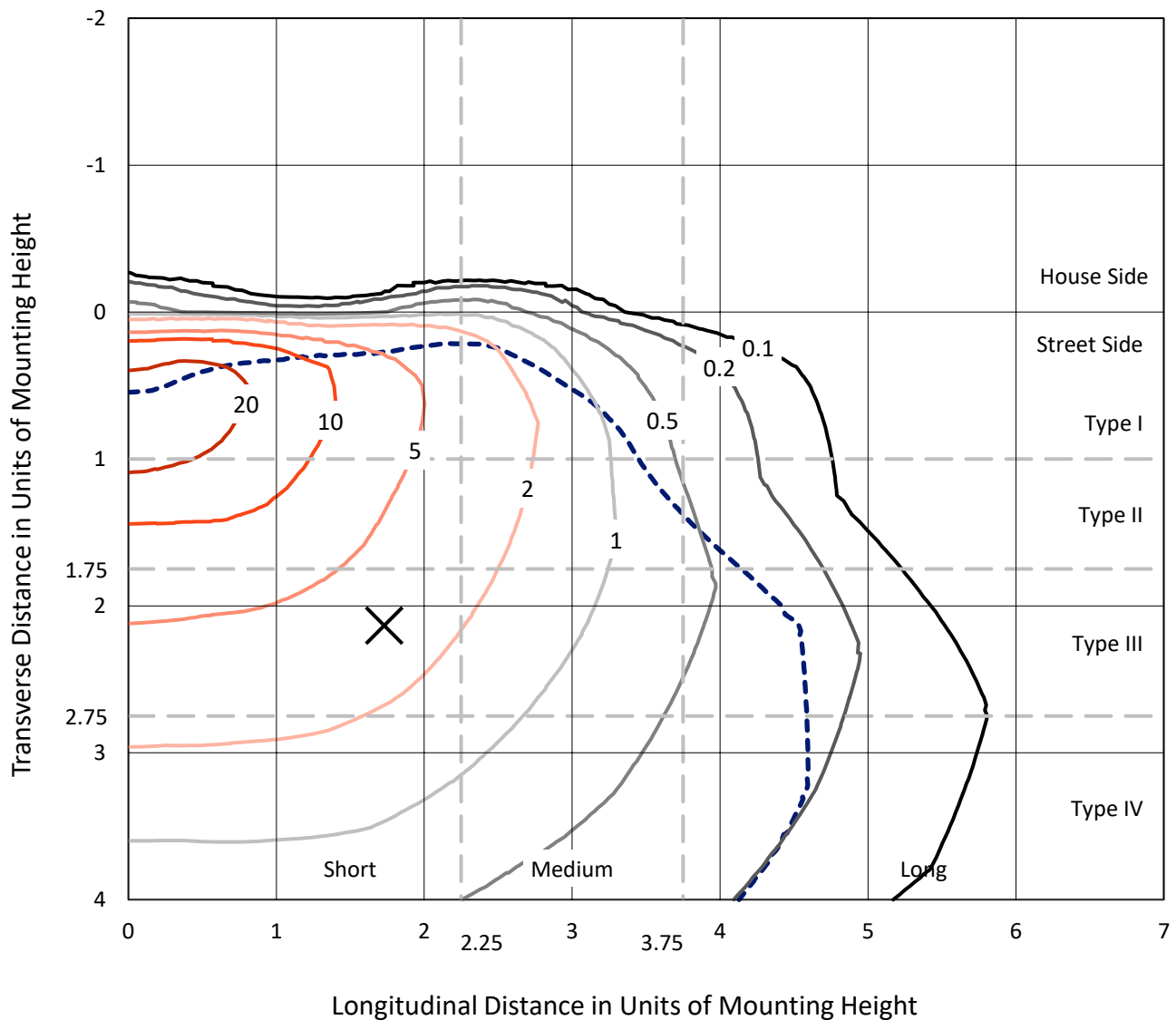


REPORT NUMBER: P1066351

CATALOG NUMBER: NVN-SA5C-760-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

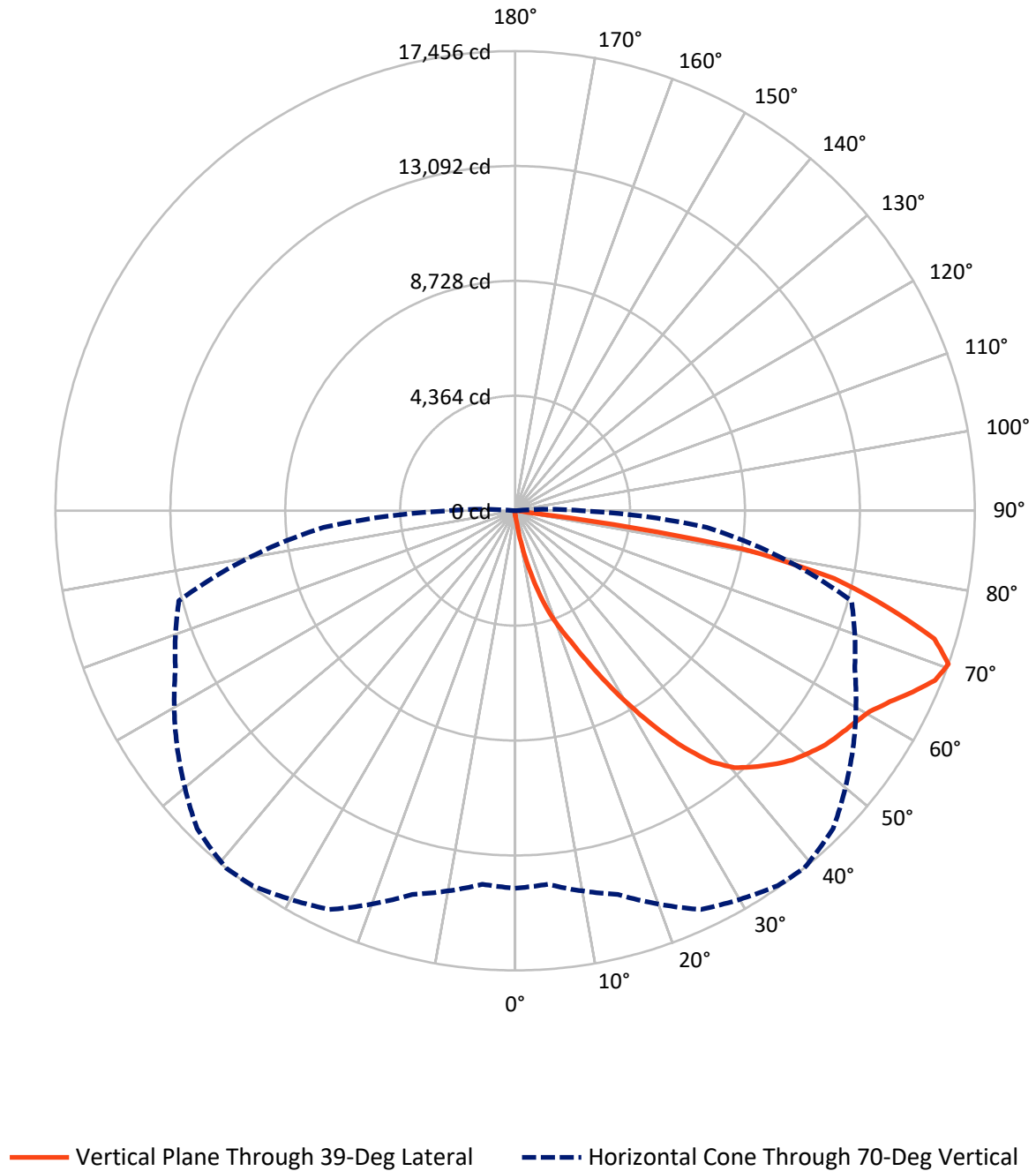


Based on 15 foot mounting height. Maximum calculated value = 30 fc
 Type IV - Short - N/A

REPORT NUMBER: P1066351

CATALOG NUMBER: NVN-SA5C-760-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1066351

CATALOG NUMBER: NVN-SA5C-760-U-T4BC

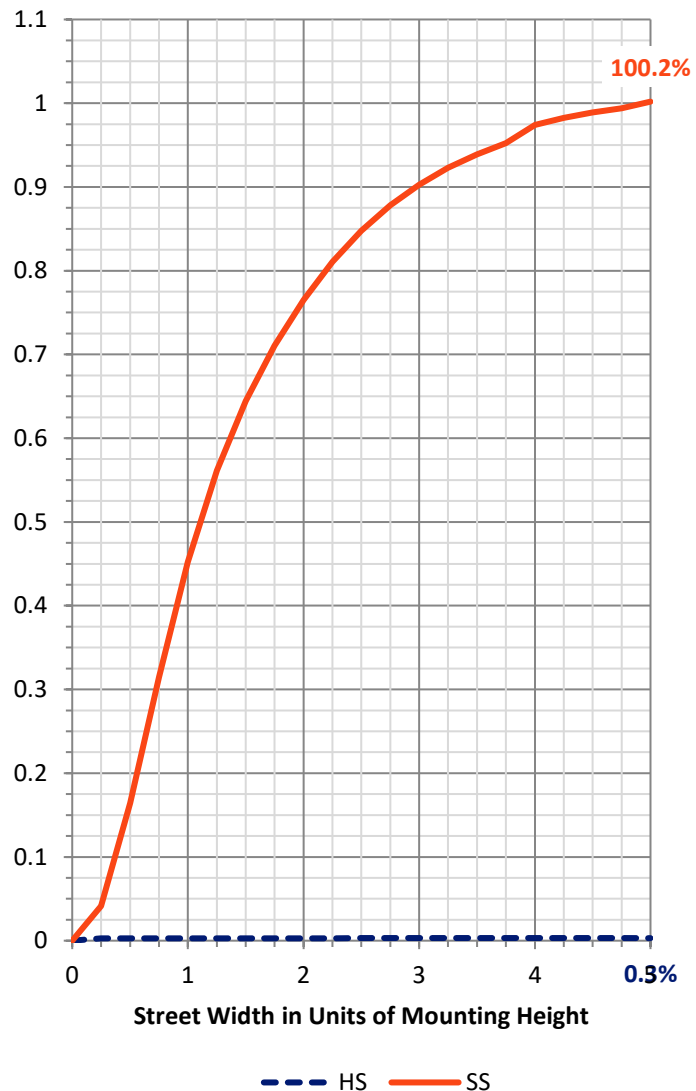
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	84.9	0.0	84.9
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	27474.0	0.0	27474.0
	% Fixture	99.7	0.0	99.7
Total	Lumens	27558.8	0.0	27558.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	0.1
10°-20°	338.8	1.2
20°-30°	1149.7	4.2
30°-40°	2702.0	9.8
40°-50°	4387.6	15.9
50°-60°	5559.9	20.2
60°-70°	7062.6	25.6
70°-80°	5738.3	20.8
80°-90°	590.9	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°	27558.8	100.0
0°-180°	27558.8	100.0



REPORT NUMBER: P1066351

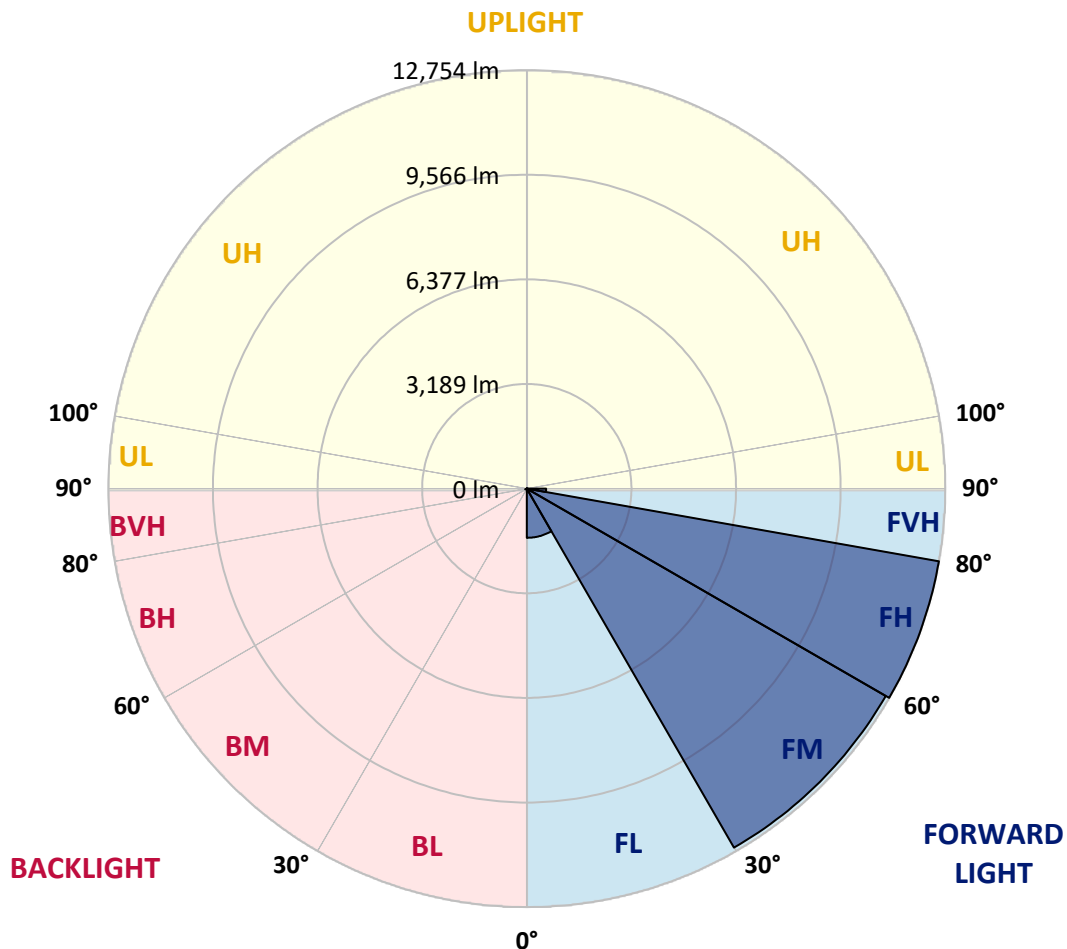
CATALOG NUMBER: NVN-SA5C-760-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1499.1	5.4			
FM	(30°-60°)	12633.2	45.8			
FH	(60°-80°)	12754.3	46.3			G5
FVH	(80°-90°)	587.3	2.1			G4/750
BL	(0°-30°)	18.4	0.1	B0/110		
BM	(30°-60°)	16.3	0.1	B0/220		
BH	(60°-80°)	46.7	0.2	B0/110		G0/110
BVH	(80°-90°)	3.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G5

Type IV Short





REPORT NUMBER: P1066351

CATALOG NUMBER: NVN-SA5C-760-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6
2.5°	194.5	194.5	194.5	187.1	187.1	179.6	179.6	172.1	164.6	164.6	157.1
5°	366.6	374.1	351.7	306.8	276.8	261.9	246.9	209.5	187.1	172.1	157.1
7.5°	1002.6	972.7	927.8	778.1	598.6	508.8	434.0	306.8	224.5	179.6	157.1
10°	2110.0	2027.7	1900.5	1698.4	1346.8	1204.6	935.3	561.2	314.2	202.0	157.1
12.5°	3097.6	3112.6	2955.4	2760.9	2334.4	2095.0	1728.4	1055.0	493.8	239.4	157.1
15°	3845.8	3830.9	3771.0	3613.9	3232.3	3000.3	2671.1	1773.3	830.5	299.3	164.6
17.5°	4436.9	4377.0	4354.6	4287.3	4040.4	3913.2	3554.0	2611.3	1316.9	404.0	172.1
20°	5028.0	5013.0	4990.6	4915.8	4751.2	4661.4	4384.5	3456.7	1960.3	576.1	187.1
22.5°	5888.4	5806.1	5821.1	5656.5	5521.8	5364.7	5140.2	4354.6	2701.1	823.0	209.5
25°	6898.5	6891.0	6771.3	6696.5	6472.0	6300.0	6000.7	5222.5	3524.1	1189.7	231.9
27.5°	8088.2	8005.9	7953.5	7826.3	7594.4	7399.8	6988.3	6083.0	4414.5	1601.2	261.9
30°	9330.2	9330.2	9233.0	9038.4	8814.0	8574.5	8155.5	6988.3	5297.4	2124.9	299.3
32.5°	10781.8	10811.7	10572.3	10280.5	9988.6	9824.0	9277.8	8013.4	6142.8	2723.5	344.2
35°	12188.4	12151.0	11754.4	11432.7	11215.7	11036.1	10572.3	9135.7	7100.5	3419.3	404.0
37.5°	13535.2	13437.9	12779.5	12323.1	12225.8	12106.1	11642.2	10258.0	8050.8	4190.0	478.9
40°	14500.4	14350.7	13669.9	13041.4	12899.2	12831.9	12472.7	11275.6	9053.4	5050.4	576.1
42.5°	14919.4	14747.3	14275.9	13767.1	13452.9	13295.8	12981.5	12106.1	10056.0	6008.2	718.3
45°	15001.7	14867.0	14530.3	14410.6	13984.1	13744.7	13318.2	12697.2	10991.3	6958.4	912.8
47.5°	14702.4	14642.5	14440.5	14694.9	14477.9	14148.7	13632.4	13138.6	11821.8	8110.6	1182.2
50°	13969.1	13924.3	14021.5	14687.4	14837.1	14463.0	13976.6	13482.8	12540.1	9300.3	1563.8
52.5°	12981.5	12974.0	13430.4	14492.9	14994.2	14762.3	14313.3	13827.0	13108.7	10452.5	2102.5
55°	11904.1	12031.3	12831.9	14313.3	15084.0	14979.2	14642.5	14133.8	13617.5	11522.5	2970.4
57.5°	11814.3	11761.9	12532.6	14238.5	15136.4	15196.2	14971.8	14455.5	14051.4	12397.9	4130.1
60°	12712.1	12592.4	12884.2	14395.6	15368.3	15473.1	15301.0	14702.4	14485.4	13086.3	5656.5
62.5°	13752.2	13639.9	13789.6	15001.7	15824.7	15974.4	15757.4	14956.8	14837.1	13565.1	7295.1
65°	14582.7	14492.9	14777.2	15907.0	16460.7	16587.9	16438.2	15428.2	14994.2	13954.2	8626.9
67.5°	14717.4	14605.1	15196.2	16513.1	17104.2	17193.9	17074.2	15884.6	14941.8	13984.1	8933.7
70°	14335.8	14238.5	15084.0	16707.6	17381.0	17455.8	17074.2	15667.6	14231.0	13220.9	7302.6
72.5°	13161.1	13235.9	14328.3	16236.2	16999.4	16655.2	15847.2	14575.2	13310.7	11208.2	5125.3
75°	11335.4	11417.7	12869.3	14941.8	15001.7	14582.7	14148.7	13408.0	11911.6	7384.9	3554.0
77.5°	8058.3	7766.5	9936.3	12338.0	12121.1	12390.4	12427.8	11155.9	9973.7	3845.8	2379.3
80°	793.1	673.4	1249.5	3539.0	7818.8	8739.1	9098.3	8597.0	7354.9	1720.9	1249.5
82.5°	172.1	172.1	187.1	202.0	314.2	471.4	2162.3	5297.4	4751.2	875.4	404.0
85°	97.3	97.3	119.7	142.2	187.1	209.5	246.9	329.2	1279.4	314.2	74.8
87.5°	74.8	82.3	97.3	119.7	157.1	172.1	209.5	261.9	321.7	291.8	22.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1066351

CATALOG NUMBER: NVN-SA5C-760-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6
2.5°	157.1	149.6	142.2	134.7	127.2	127.2	119.7	119.7	119.7	119.7	119.7
5°	149.6	142.2	134.7	119.7	112.2	104.7	97.3	97.3	97.3	97.3	97.3
7.5°	149.6	142.2	127.2	112.2	97.3	89.8	82.3	74.8	74.8	82.3	82.3
10°	149.6	134.7	112.2	97.3	82.3	74.8	67.3	59.9	59.9	59.9	59.9
12.5°	142.2	127.2	104.7	89.8	74.8	59.9	44.9	37.4	37.4	37.4	37.4
15°	134.7	119.7	97.3	74.8	52.4	37.4	29.9	22.4	22.4	22.4	22.4
17.5°	134.7	112.2	89.8	67.3	37.4	22.4	15.0	7.5	7.5	7.5	15.0
20°	134.7	112.2	82.3	52.4	22.4	15.0	15.0	7.5	0.0	7.5	7.5
22.5°	134.7	104.7	67.3	37.4	22.4	15.0	7.5	0.0	0.0	0.0	0.0
25°	142.2	104.7	59.9	29.9	15.0	7.5	0.0	0.0	0.0	0.0	0.0
27.5°	142.2	97.3	52.4	22.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0
30°	149.6	97.3	44.9	15.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	149.6	89.8	29.9	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	149.6	82.3	22.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	149.6	74.8	22.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	157.1	67.3	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	164.6	59.9	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	172.1	52.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	194.5	52.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	224.5	52.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	269.4	52.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	351.7	44.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	508.8	44.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	853.0	44.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1496.4	44.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2529.0	44.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3299.6	52.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2506.5	44.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1197.1	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	531.2	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	231.9	22.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	89.8	15.0	7.5	7.5	7.5	7.5	0.0	0.0	0.0	0.0	0.0
82.5°	37.4	15.0	7.5	7.5	7.5	7.5	7.5	0.0	0.0	0.0	0.0
85°	22.4	15.0	15.0	15.0	7.5	7.5	7.5	0.0	0.0	0.0	0.0
87.5°	15.0	15.0	15.0	15.0	15.0	7.5	7.5	0.0	0.0	0.0	0.0
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

McGraw-Edison

Report Number: SP1-2407-184-7

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-757-U-5WQ

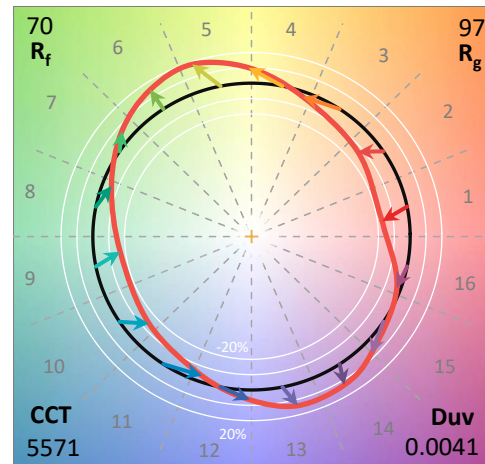
Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-7
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-757-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5700K CCT 26 LEDS

Spectral Parameters

CCT (K):	5571	CRI (Ra):	69.9		
CIE u':	0.2033	R1:	68.8	R9:	-35.4
CIE v':	0.4806	R2:	72.5	R10:	36.7
Duv:	0.0041	R3:	76.8	R11:	73.9
CIE x:	0.3308	R4:	72.0	R12:	47.8
CIE y:	0.3476	R5:	70.9	R13:	68.0
CIE z:	0.3216	R6:	65.6	R14:	87.0
Peak Wavelength (nm):	442	R7:	75.5	R15:	59.8
Dominant Wavelength (nm):	544	R8:	56.8		
Purity:	3.635698				
Rf:	70.4				
Rg:	97.1				



Test Conditions

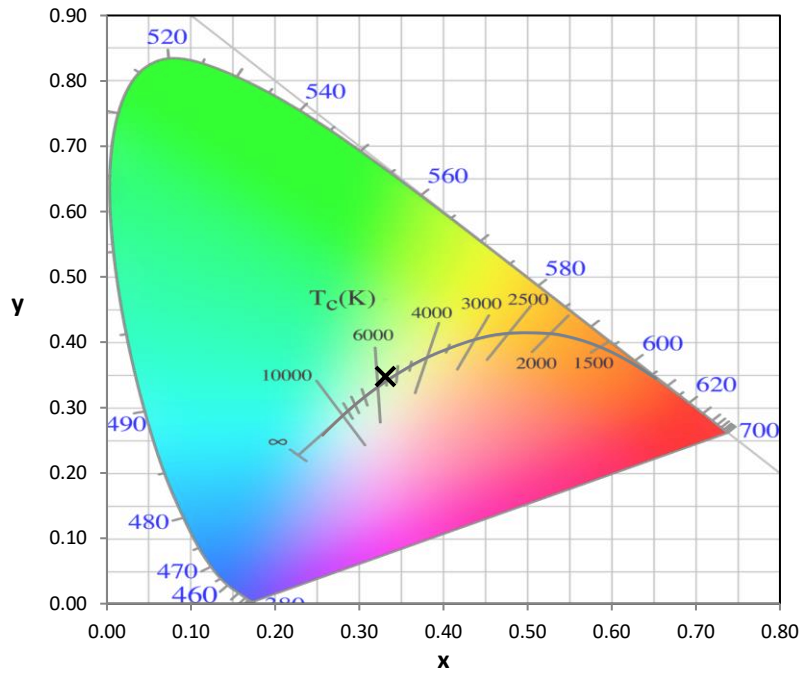
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-7

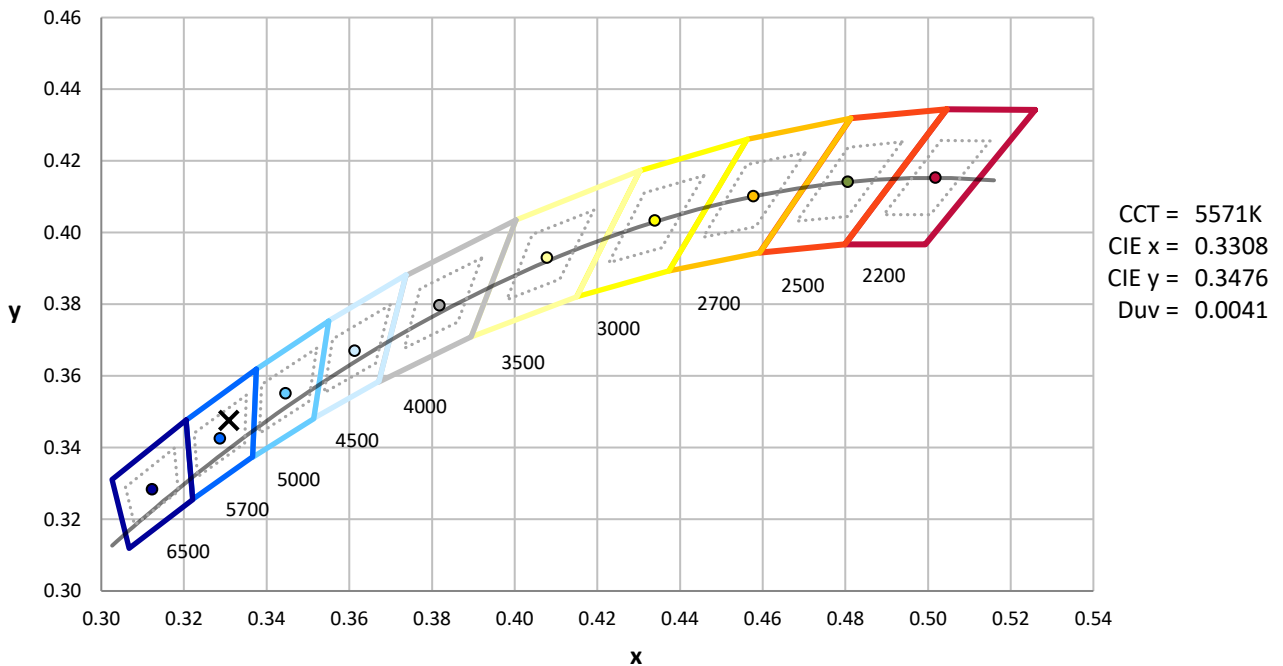
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-7

CIE 1931 Chromaticity Diagram



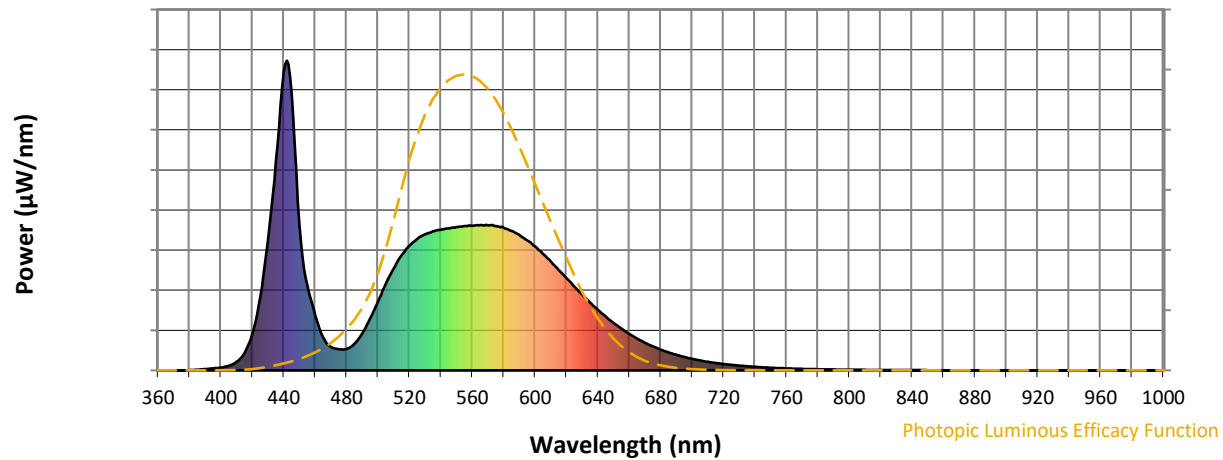
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

Photopic Flux vs. Wavelength

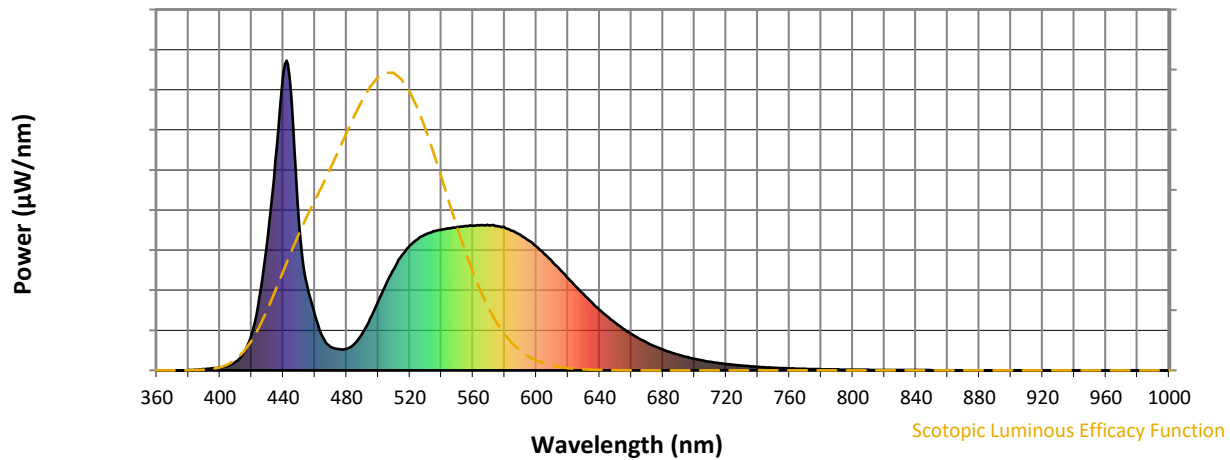


Photopic Lumens: NR

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

Scotopic Flux vs. Wavelength



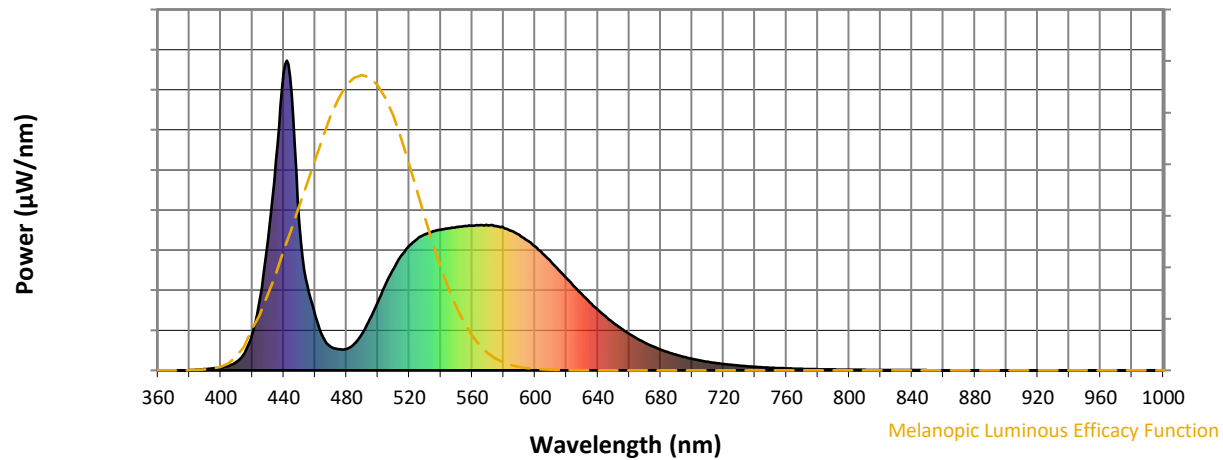
Scotopic Lumens: NR

S/P: 1.84

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.71

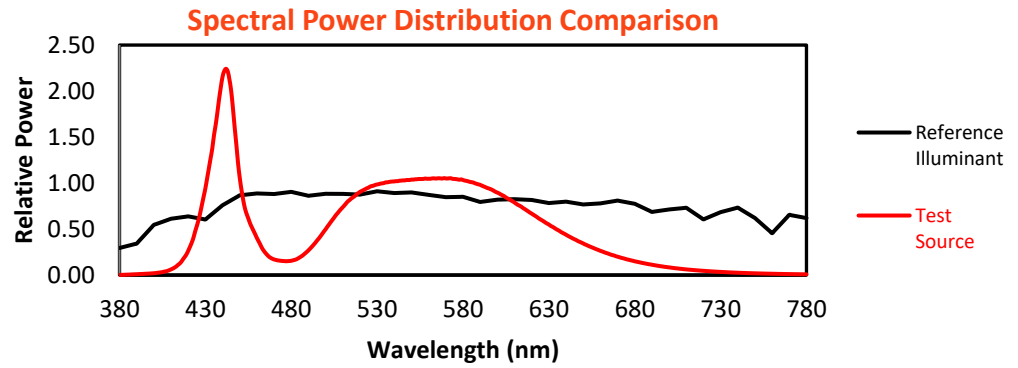
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

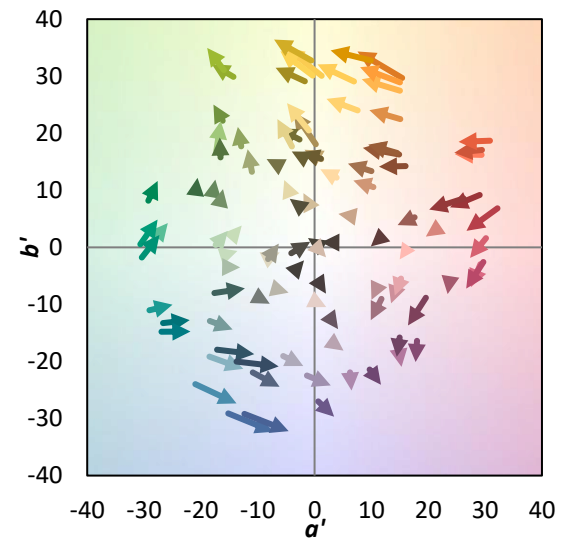
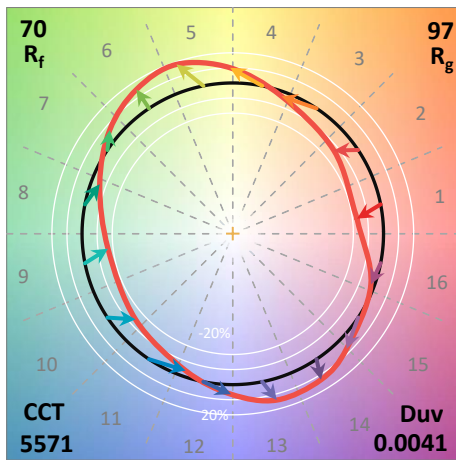
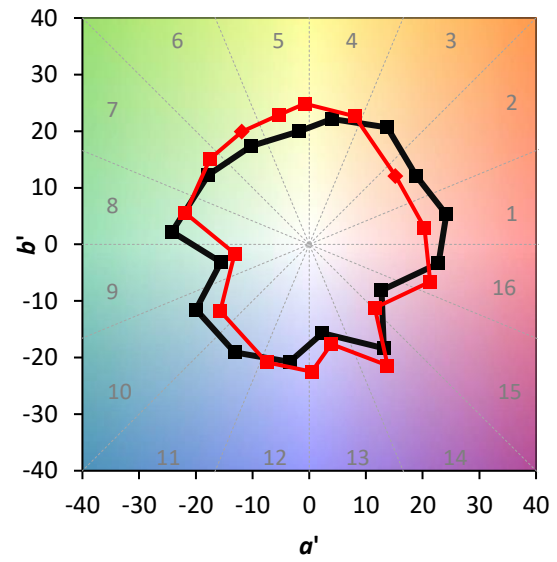
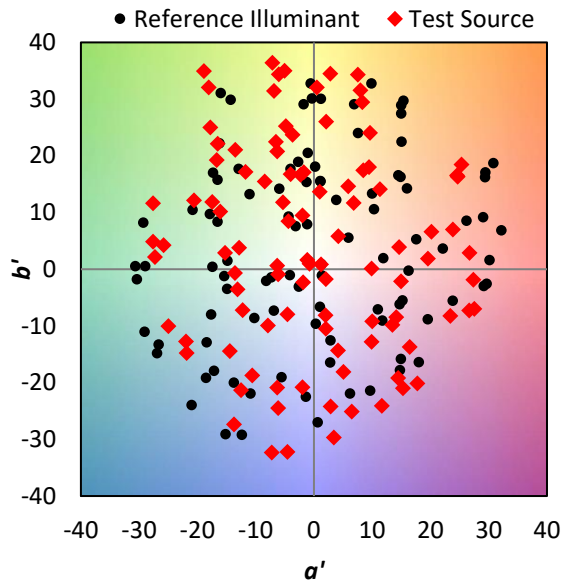
TM-30-18

Summary

$R_f = 70.4$
 $R_g = 97.1$
 $CIE\ R_a = 69.9$
 $R_g = -35.4$

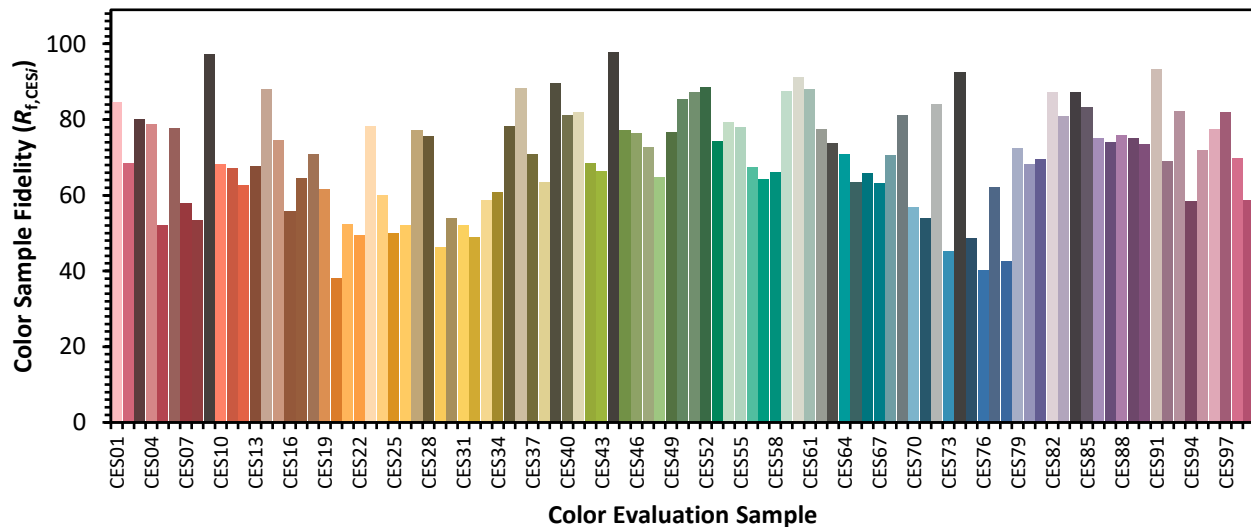


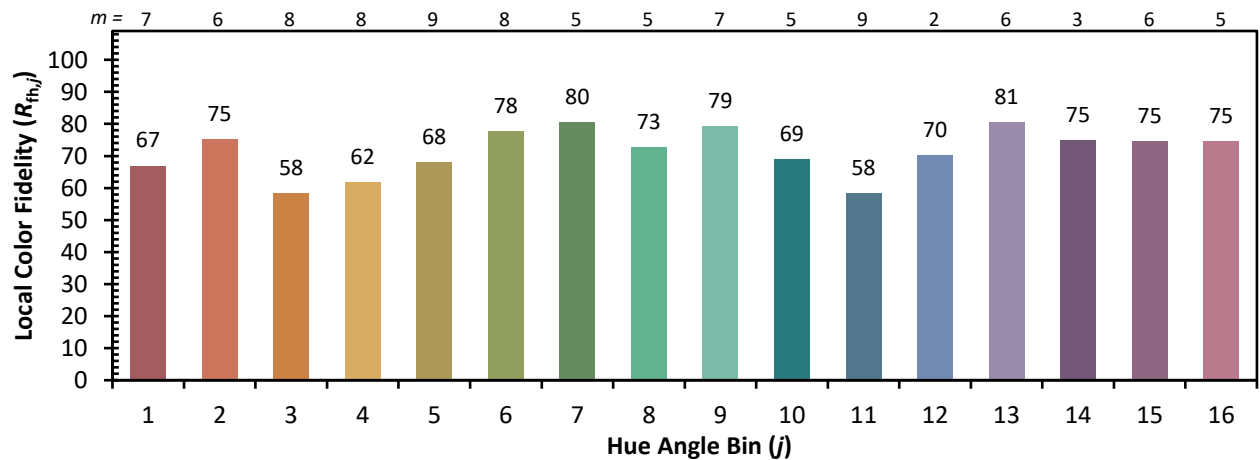
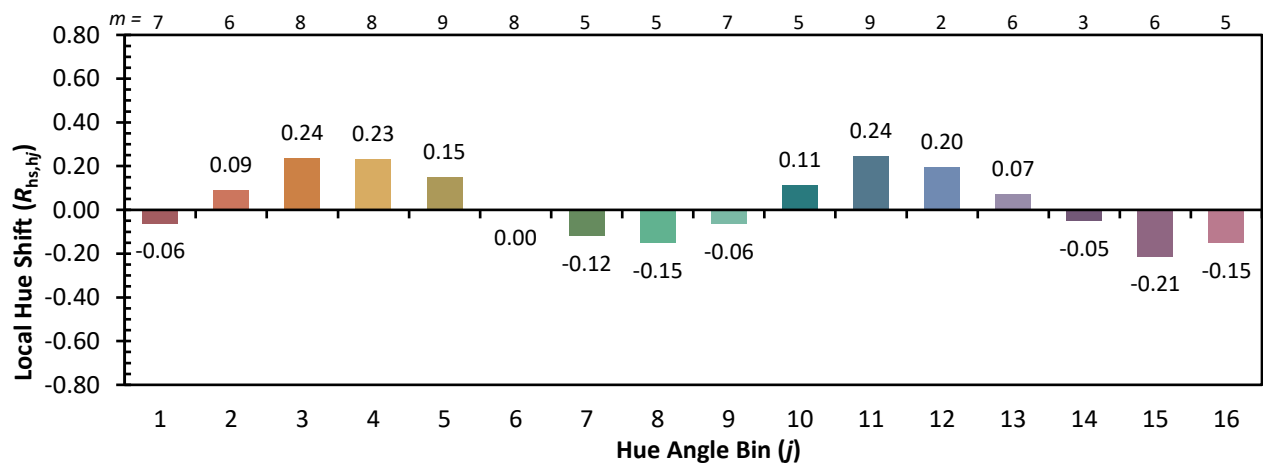
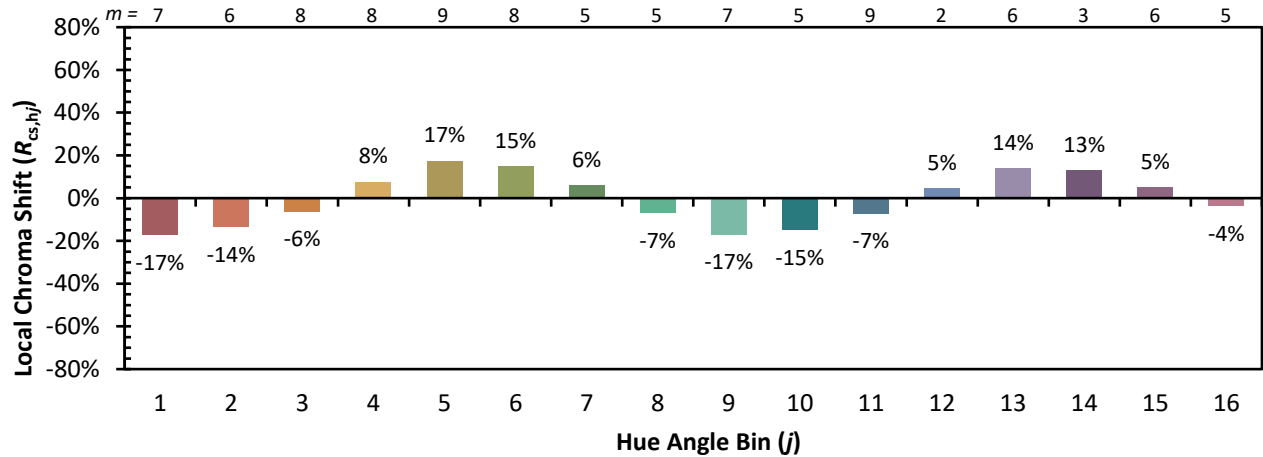
Color Vector Graphics



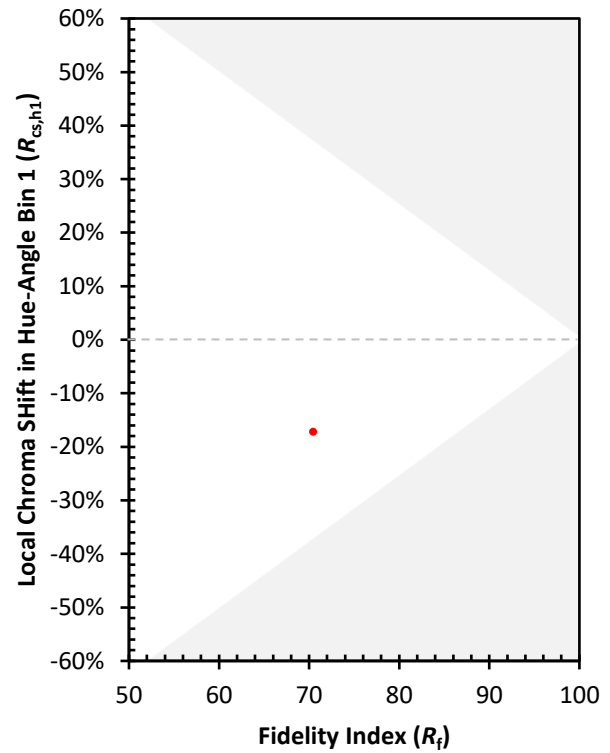
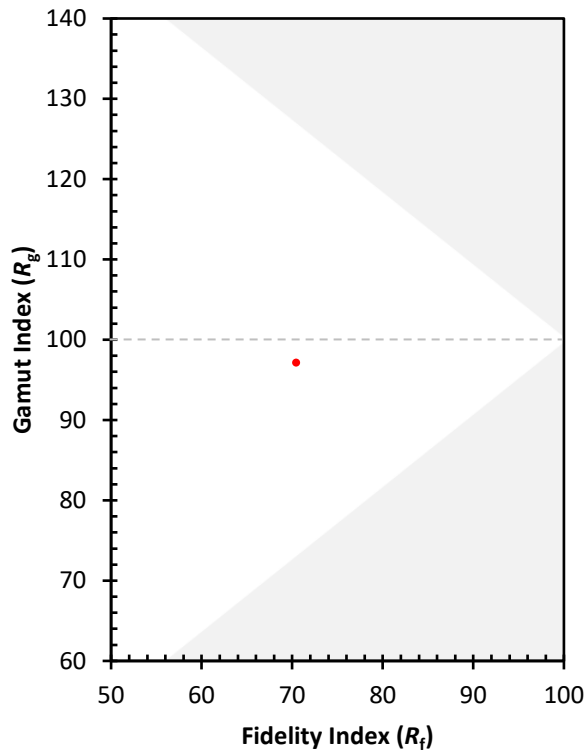
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 52	CES51 = 87	CES76 = 40
CES02 = 59	CES27 = 77	CES52 = 88	CES77 = 62
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 43
CES04 = 68	CES29 = 46	CES54 = 79	CES79 = 72
CES05 = 45	CES30 = 54	CES55 = 78	CES80 = 68
CES06 = 49	CES31 = 52	CES56 = 67	CES81 = 70
CES07 = 38	CES32 = 49	CES57 = 64	CES82 = 87
CES08 = 37	CES33 = 59	CES58 = 66	CES83 = 81
CES09 = 29	CES34 = 61	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 78	CES60 = 91	CES85 = 83
CES11 = 55	CES36 = 88	CES61 = 88	CES86 = 75
CES12 = 61	CES37 = 71	CES62 = 77	CES87 = 74
CES13 = 41	CES38 = 64	CES63 = 74	CES88 = 76
CES14 = 74	CES39 = 90	CES64 = 71	CES89 = 75
CES15 = 70	CES40 = 81	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 82	CES66 = 66	CES91 = 93
CES17 = 48	CES42 = 69	CES67 = 63	CES92 = 69
CES18 = 55	CES43 = 67	CES68 = 71	CES93 = 82
CES19 = 70	CES44 = 98	CES69 = 81	CES94 = 58
CES20 = 63	CES45 = 77	CES70 = 57	CES95 = 72
CES21 = 85	CES46 = 76	CES71 = 54	CES96 = 78
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 45	CES98 = 70
CES24 = 90	CES49 = 77	CES74 = 92	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)