

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: LUMARK

Report Number: P1067150

Luminaire Tested: **NAV-SA1B-740-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067150
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-740-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4558.3 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 37.9
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

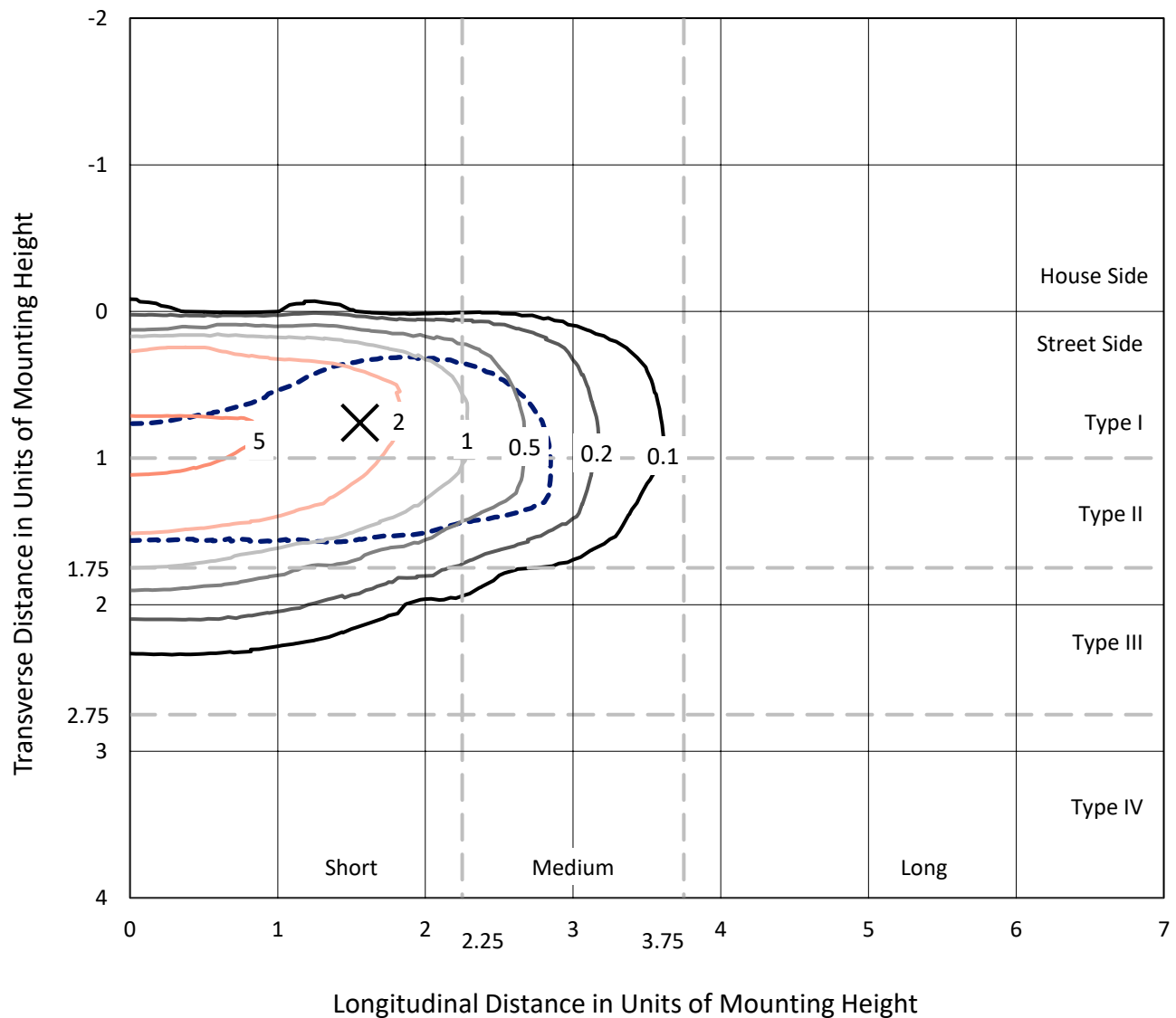


REPORT NUMBER: P1067150

CATALOG NUMBER: NAV-SA1B-740-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

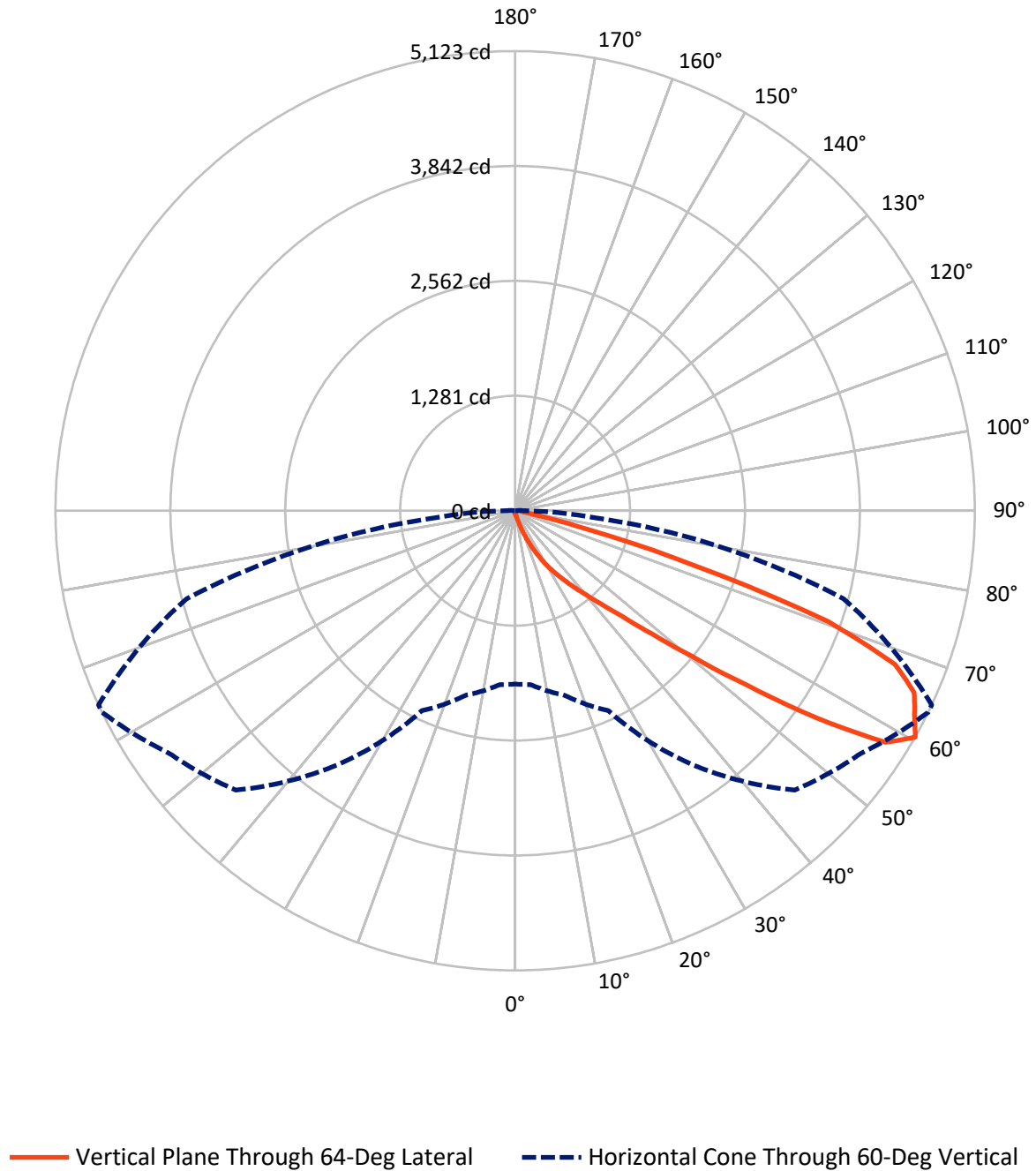


Based on 15 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

REPORT NUMBER: P1067150

CATALOG NUMBER: NAV-SA1B-740-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067150

CATALOG NUMBER: NAV-SA1B-740-U-T2BC

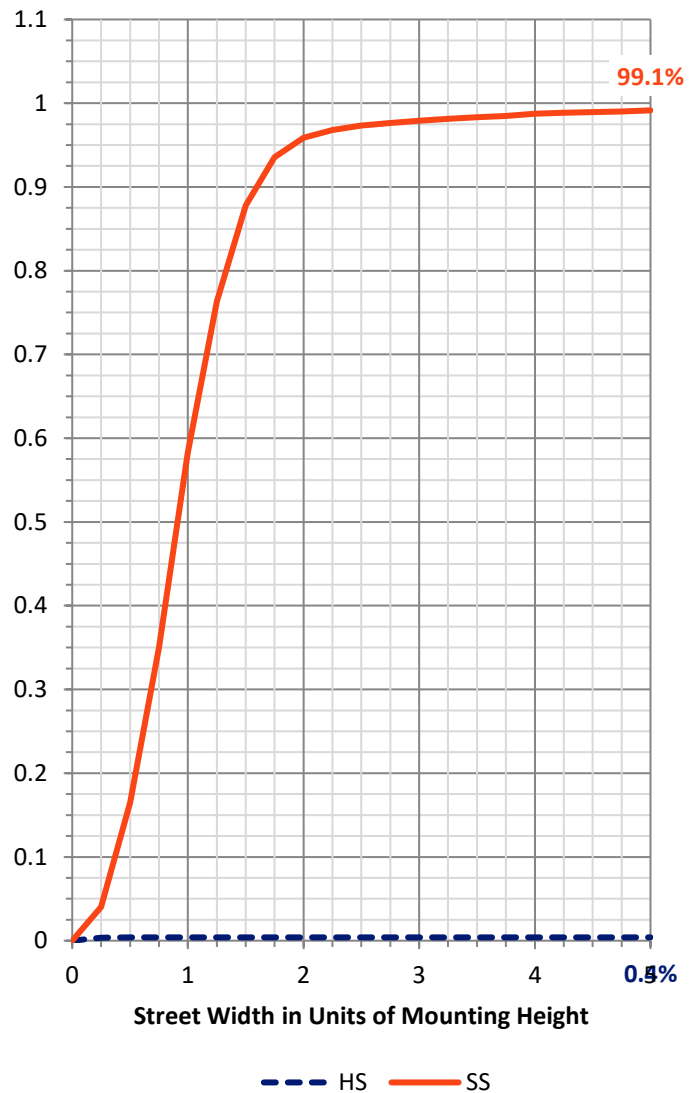
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18.5	0.0	18.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4539.8	0.0	4539.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	4558.3	0.0	4558.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	44.8	1.0
20°-30°	148.8	3.3
30°-40°	397.0	8.7
40°-50°	1009.0	22.1
50°-60°	1470.9	32.3
60°-70°	1136.1	24.9
70°-80°	312.0	6.8
80°-90°	35.2	0.8
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°	4558.3	100.0
0°-180°	4558.3	100.0



REPORT NUMBER: P1067150

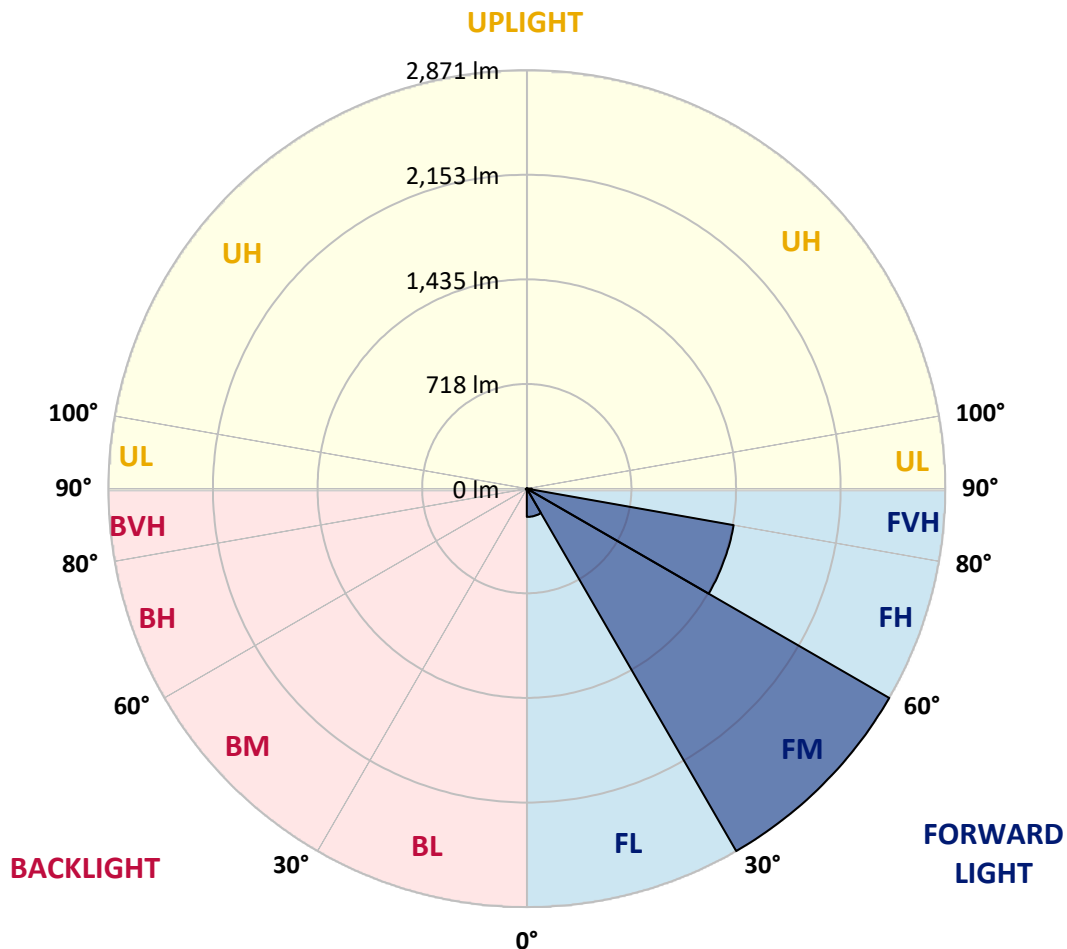
CATALOG NUMBER: NAV-SA1B-740-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.0	4.3			
FM	(30°-60°)	2870.7	63.0			
FH	(60°-80°)	1440.7	31.6			G1/1800
FVH	(80°-90°)	34.4	0.8			G1/100
BL	(0°-30°)	4.2	0.1	B0/110		
BM	(30°-60°)	6.1	0.1	B0/220		
BH	(60°-80°)	7.4	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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-G1

Type II Short



REPORT NUMBER: P1067150

CATALOG NUMBER: NAV-SA1B-740-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
2.5°	40.2	40.2	40.2	38.9	37.6	37.6	36.4	35.1	35.1	32.6	31.4
5°	61.5	61.5	59.0	56.5	52.7	47.7	42.7	38.9	38.9	35.1	32.6
7.5°	120.5	124.2	112.9	99.1	80.3	67.8	54.0	45.2	43.9	37.6	32.6
10°	261.0	258.5	240.9	207.0	163.1	117.9	75.3	55.2	52.7	40.2	32.6
12.5°	392.7	396.5	377.7	340.0	287.3	209.5	129.2	71.5	69.0	43.9	32.6
15°	505.7	505.7	493.1	474.3	416.6	335.0	208.3	106.7	97.9	47.7	31.4
17.5°	583.5	582.2	577.2	572.2	538.3	454.2	318.7	170.6	150.6	56.5	31.4
20°	671.3	667.5	673.8	663.8	637.4	570.9	435.4	253.5	234.6	71.5	31.4
22.5°	762.9	766.6	771.7	761.6	732.8	675.0	558.4	360.1	340.0	99.1	32.6
25°	879.6	877.1	888.4	879.6	843.2	775.4	673.8	476.8	447.9	138.0	35.1
27.5°	1022.6	1017.6	1025.1	1002.5	954.9	885.8	776.7	596.0	562.1	198.2	40.2
30°	1212.1	1215.8	1182.0	1155.6	1087.9	996.3	890.9	724.0	688.9	269.8	45.2
32.5°	1510.7	1484.4	1431.7	1325.0	1235.9	1119.2	1005.0	835.7	804.3	361.4	52.7
35°	1976.2	1981.2	1865.8	1602.3	1409.1	1273.6	1130.5	958.6	936.0	465.5	62.7
37.5°	2543.4	2529.6	2427.9	2095.4	1662.5	1465.5	1273.6	1092.9	1060.3	578.4	75.3
40°	3185.8	3128.1	3069.1	2843.2	2190.8	1706.4	1454.2	1248.5	1223.4	708.9	95.4
42.5°	3700.2	3685.2	3695.2	3601.1	3071.6	2116.7	1693.9	1439.2	1409.1	870.8	130.5
45°	3953.7	3932.3	3992.6	4062.8	3927.3	2990.0	2080.4	1682.6	1642.5	1061.5	184.4
47.5°	3885.9	3870.9	4000.1	4138.1	4318.8	4002.6	2711.5	2046.5	1977.5	1306.2	264.7
50°	3552.2	3553.4	3765.5	4022.7	4308.8	4515.8	3646.3	2544.6	2458.0	1631.2	390.2
52.5°	3227.2	3237.2	3461.8	3837.0	4159.5	4576.0	4466.9	3215.9	3075.4	2013.9	538.3
55°	2893.4	2898.4	3096.7	3624.9	4089.2	4396.6	4888.5	4080.4	3931.1	2490.7	682.6
57.5°	2572.2	2572.2	2646.2	3115.5	4012.7	4380.3	4838.3	4870.9	4749.2	3035.2	789.2
60°	1932.3	1944.8	2129.3	2458.0	3460.6	4404.1	4710.3	5123.1	5123.1	3790.6	870.8
62.5°	976.2	995.0	1224.6	1544.6	2374.0	4075.4	4730.4	4996.4	5016.4	4456.8	1056.5
65°	458.0	479.3	602.3	828.1	1277.3	2868.3	4522.1	4888.5	4882.2	4330.1	1448.0
67.5°	328.7	335.0	376.4	483.1	687.6	1257.2	3451.8	4566.0	4568.5	3678.9	1665.0
70°	294.9	294.9	304.9	336.3	414.1	562.1	1677.6	3697.7	3877.1	2840.7	1543.3
72.5°	291.1	288.6	286.1	287.3	279.8	282.3	575.9	2087.9	2343.8	1987.5	1230.9
75°	283.6	283.6	281.1	272.3	223.3	181.9	198.2	844.4	976.2	1327.5	913.4
77.5°	224.6	247.2	273.5	257.2	204.5	136.8	115.4	244.7	308.7	814.3	662.5
80°	104.1	105.4	104.1	109.2	130.5	97.9	85.3	119.2	120.5	451.7	410.3
82.5°	75.3	76.5	72.8	65.2	57.7	52.7	70.3	87.8	94.1	207.0	153.1
85°	22.6	21.3	25.1	33.9	40.2	46.4	59.0	74.0	77.8	76.5	22.6
87.5°	10.0	10.0	12.5	17.6	23.8	35.1	51.4	67.8	69.0	79.0	6.3
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: P1067150

CATALOG NUMBER: NAV-SA1B-740-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
2.5°	31.4	30.1	28.9	27.6	26.3	25.1	23.8	23.8	25.1	25.1	25.1
5°	30.1	28.9	26.3	23.8	22.6	21.3	20.1	20.1	21.3	21.3	21.3
7.5°	30.1	27.6	25.1	22.6	20.1	18.8	17.6	17.6	17.6	18.8	18.8
10°	30.1	27.6	23.8	20.1	17.6	16.3	15.1	13.8	15.1	15.1	15.1
12.5°	28.9	26.3	22.6	18.8	15.1	12.5	11.3	11.3	11.3	11.3	11.3
15°	27.6	25.1	21.3	16.3	12.5	10.0	7.5	7.5	7.5	8.8	8.8
17.5°	26.3	23.8	18.8	12.5	8.8	6.3	5.0	5.0	5.0	6.3	6.3
20°	26.3	22.6	16.3	10.0	6.3	3.8	2.5	2.5	2.5	3.8	5.0
22.5°	26.3	22.6	15.1	7.5	3.8	2.5	1.3	1.3	1.3	1.3	1.3
25°	26.3	21.3	13.8	6.3	2.5	1.3	0.0	0.0	1.3	2.5	3.8
27.5°	26.3	20.1	11.3	3.8	2.5	1.3	0.0	1.3	2.5	2.5	2.5
30°	26.3	20.1	10.0	3.8	1.3	0.0	0.0	1.3	2.5	2.5	3.8
32.5°	27.6	18.8	8.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	28.9	17.6	7.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	31.4	17.6	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	35.1	18.8	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	43.9	20.1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	61.5	25.1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	90.3	37.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	131.7	51.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	161.9	51.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	160.6	32.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	123.0	22.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	104.1	16.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	125.5	12.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	223.3	11.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	358.9	11.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	401.5	11.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	313.7	10.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	171.9	8.8	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	86.6	6.3	2.5	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	36.4	5.0	2.5	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
82.5°	12.5	5.0	2.5	2.5	1.3	1.3	0.0	0.0	0.0	0.0	0.0
85°	6.3	3.8	3.8	2.5	2.5	1.3	1.3	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	2.5	2.5	1.3	1.3	0.0	0.0	0.0	1.3
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

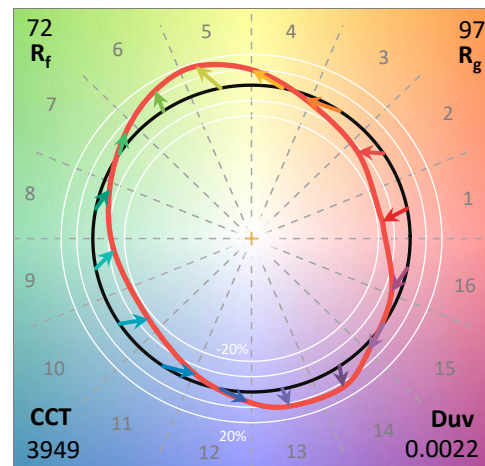
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

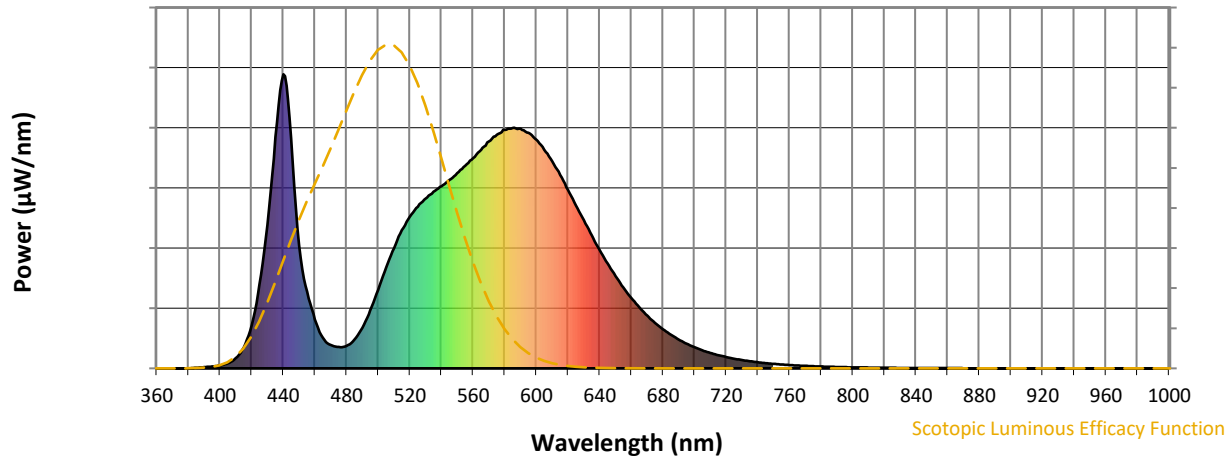


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



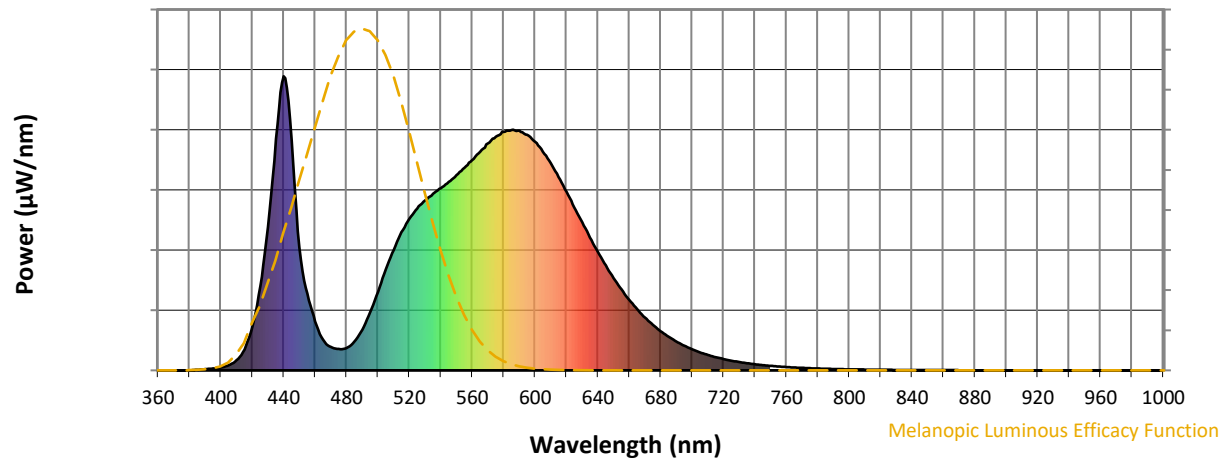
Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

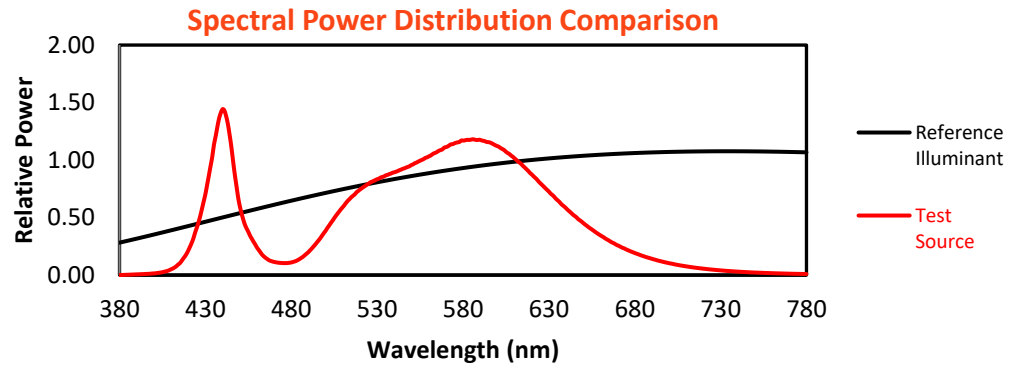
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

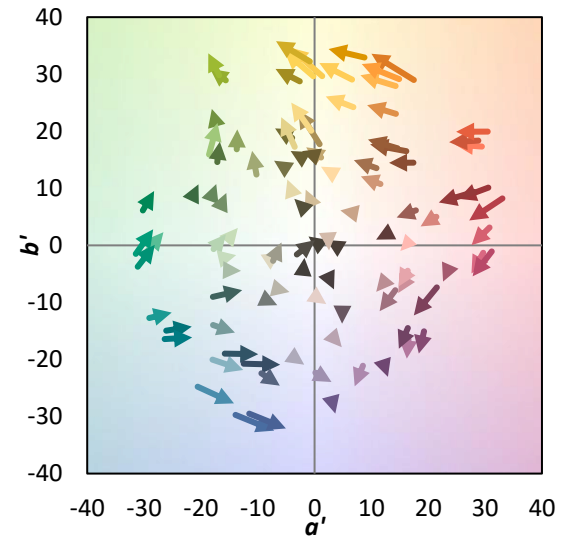
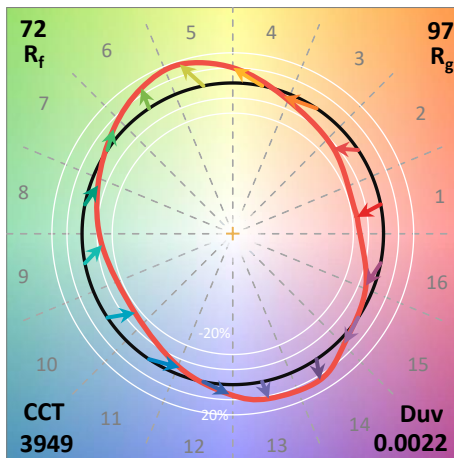
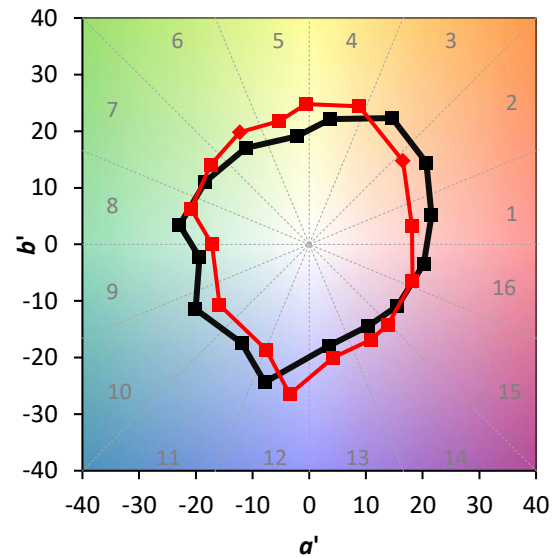
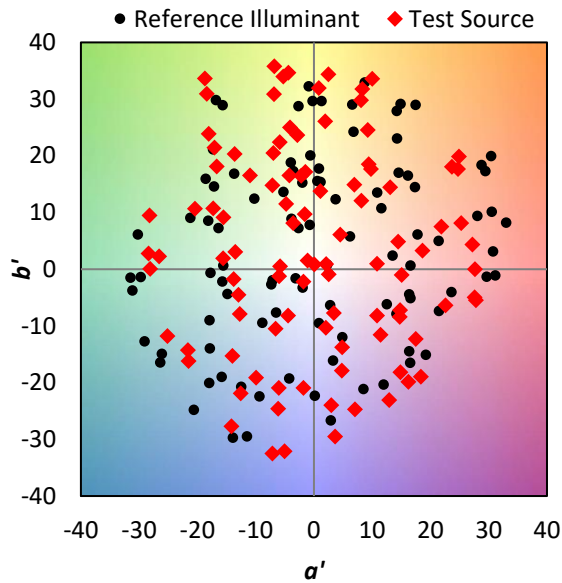
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$

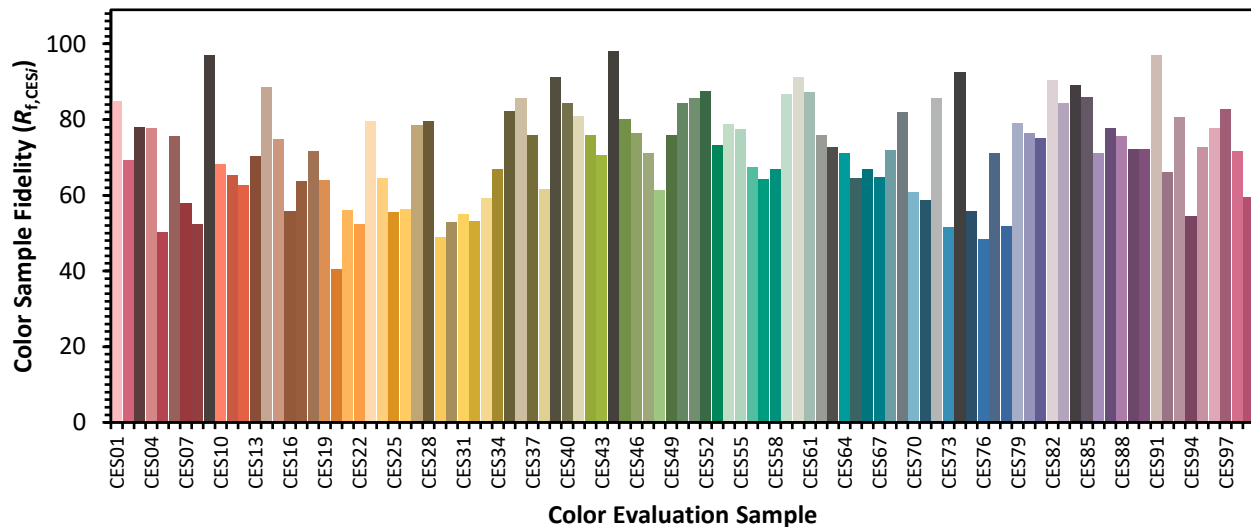


Color Vector Graphics

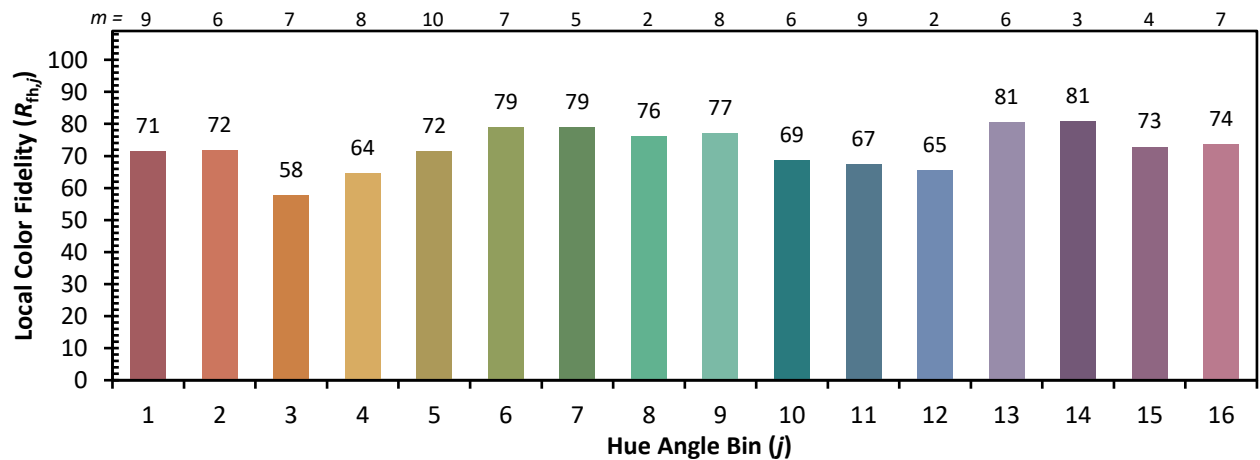
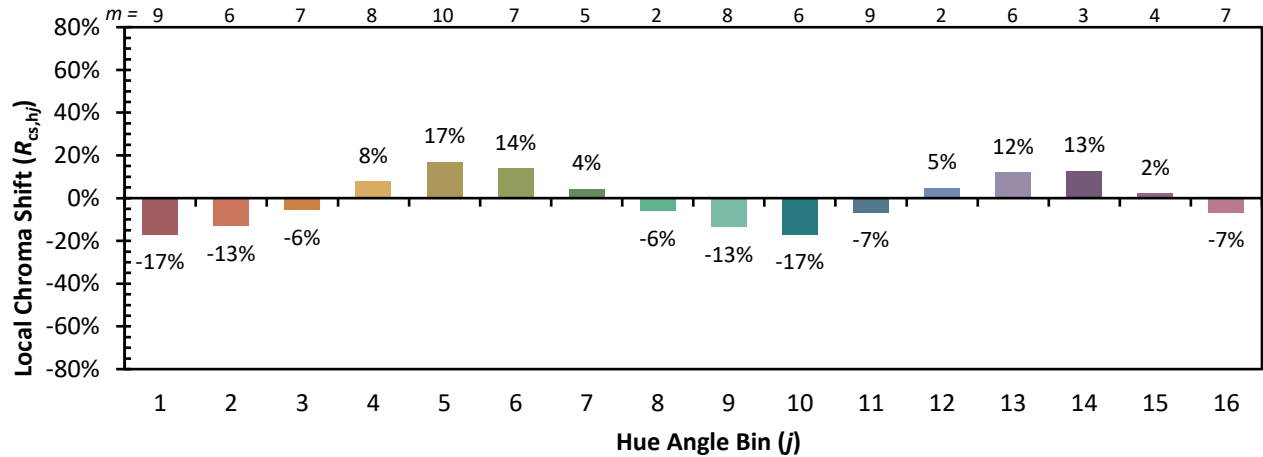


Individual Sample Fidelity Index ($R_{f,i}$)

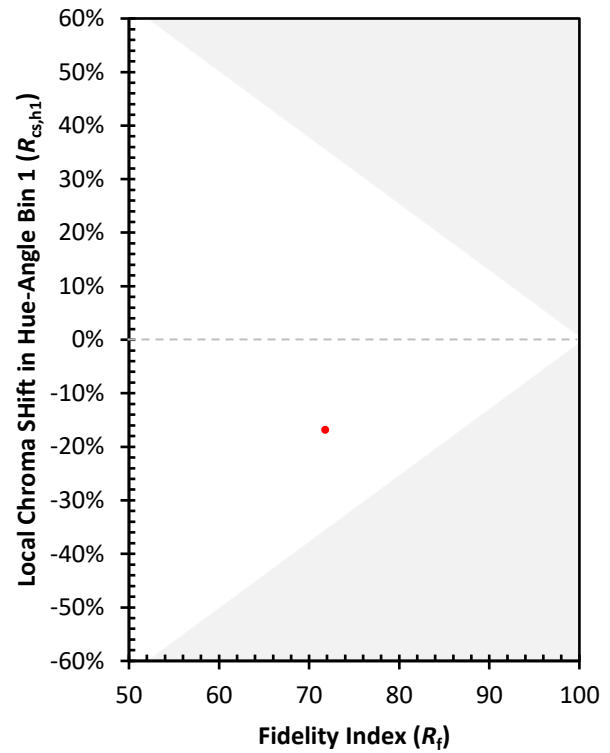
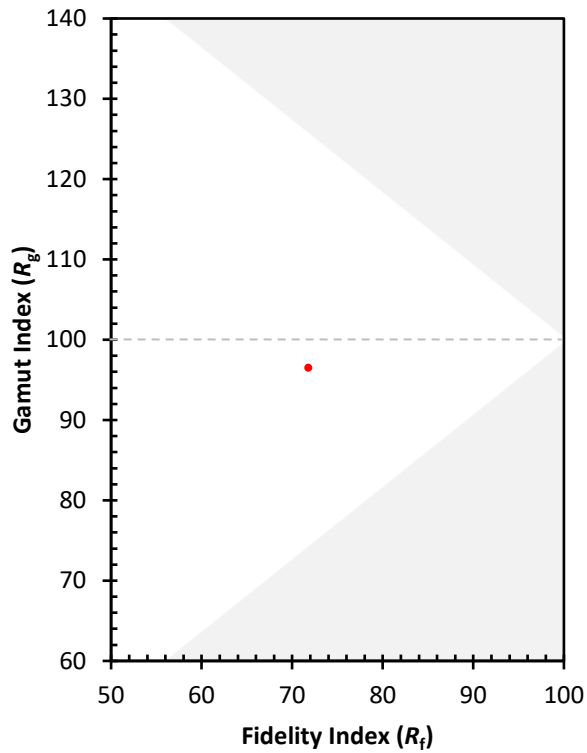
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)