

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: P1067031

Luminaire Tested: **NAV-SA1C-750-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067031
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1C-750-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5999 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 50.1
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

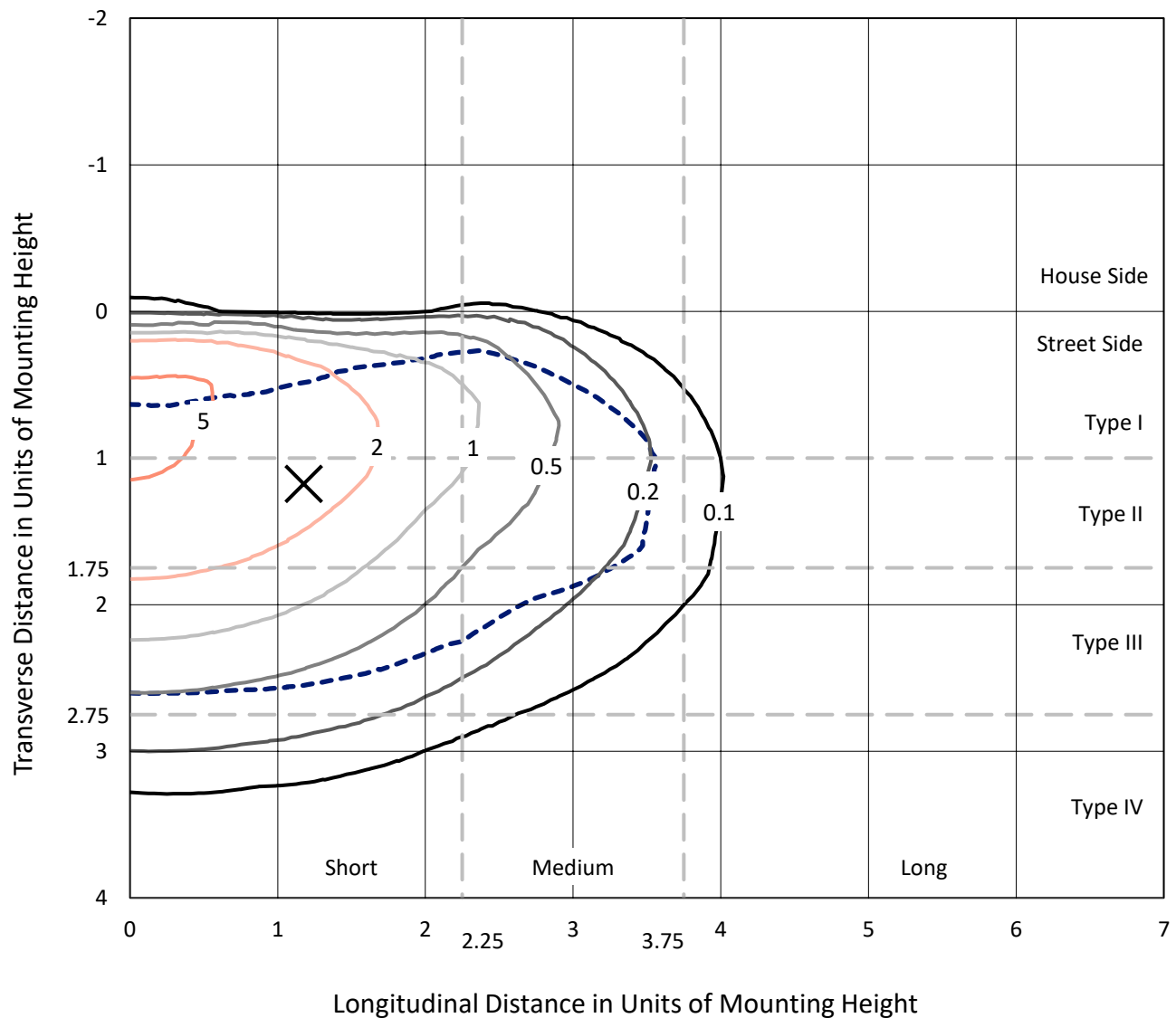


REPORT NUMBER: P1067031

CATALOG NUMBER: NAV-SA1C-750-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

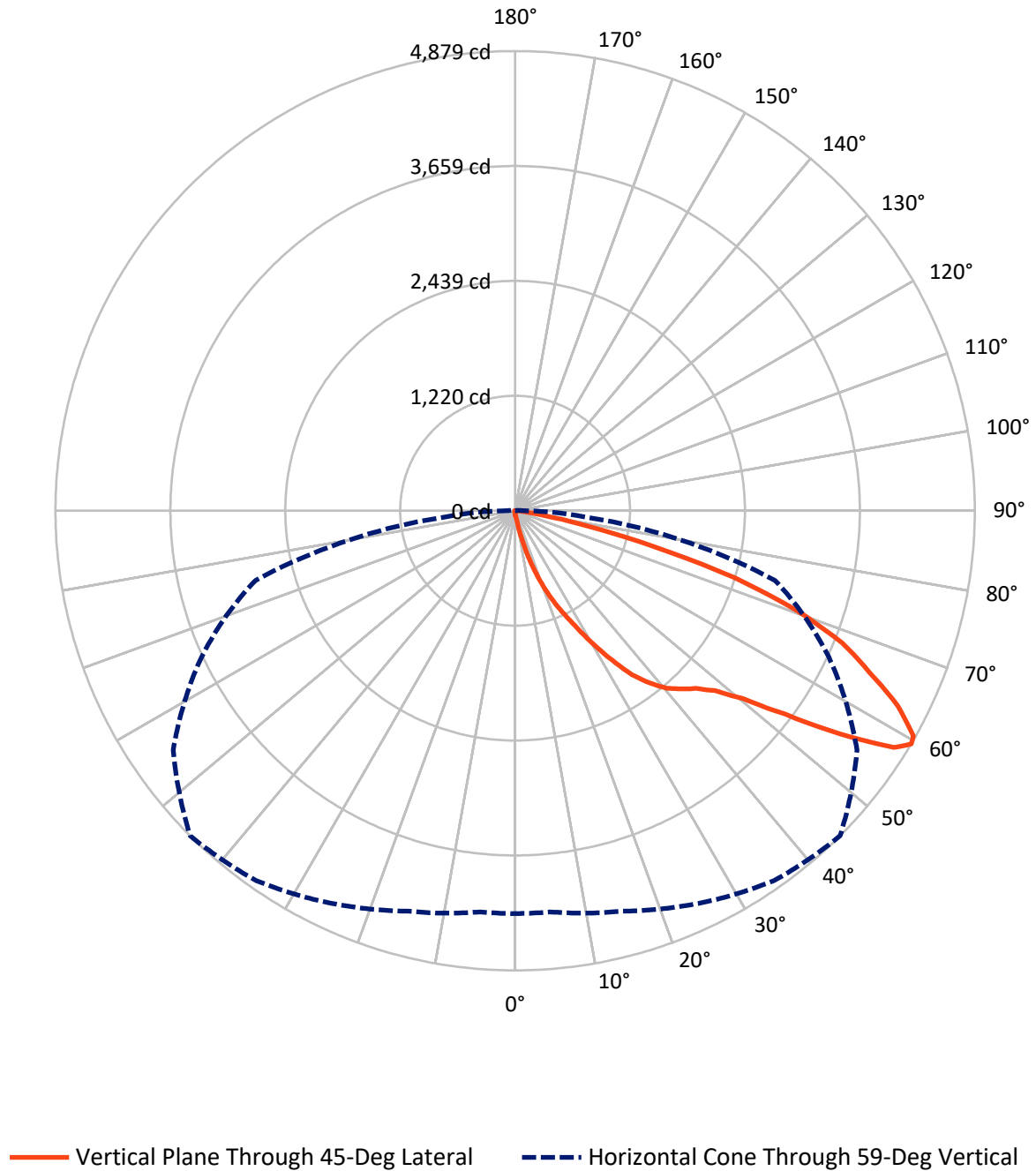


Based on 15 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Short - N/A

REPORT NUMBER: P1067031

CATALOG NUMBER: NAV-SA1C-750-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067031

CATALOG NUMBER: NAV-SA1C-750-U-T3BC

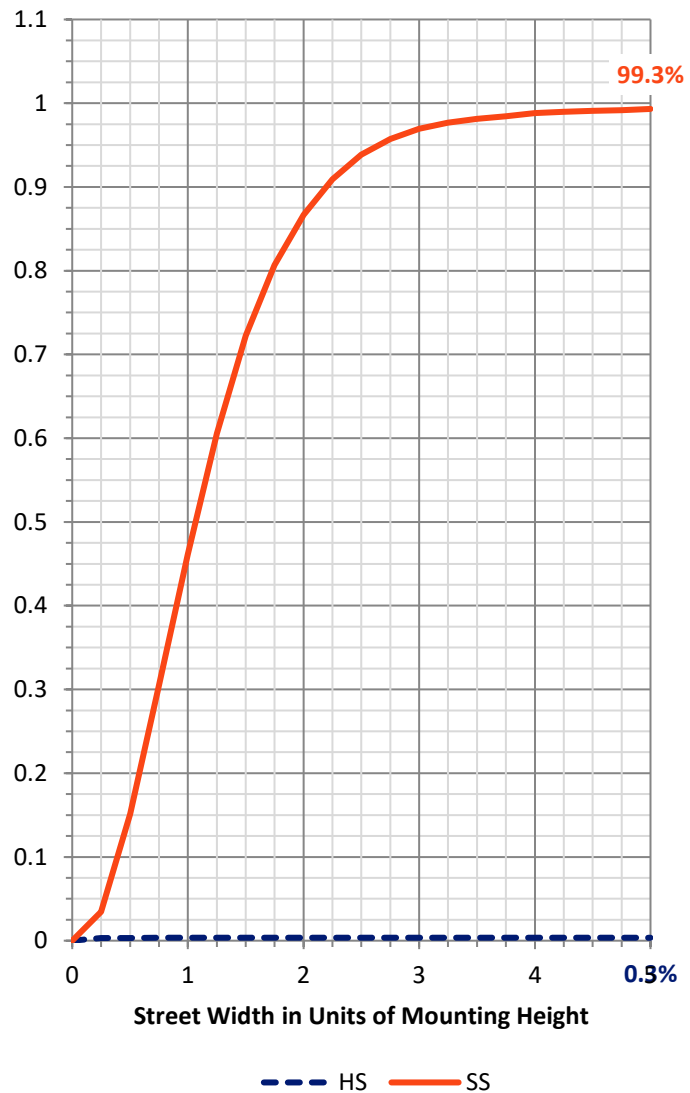
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21.3	0.0	21.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5977.7	0.0	5977.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	5999.0	0.0	5999.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.1
10°-20°	66.3	1.1
20°-30°	238.3	4.0
30°-40°	553.6	9.2
40°-50°	943.6	15.7
50°-60°	1554.8	25.9
60°-70°	1797.7	30.0
70°-80°	772.4	12.9
80°-90°	66.7	1.1
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°	5999.0	100.0
0°-180°	5999.0	100.0



REPORT NUMBER: P1067031

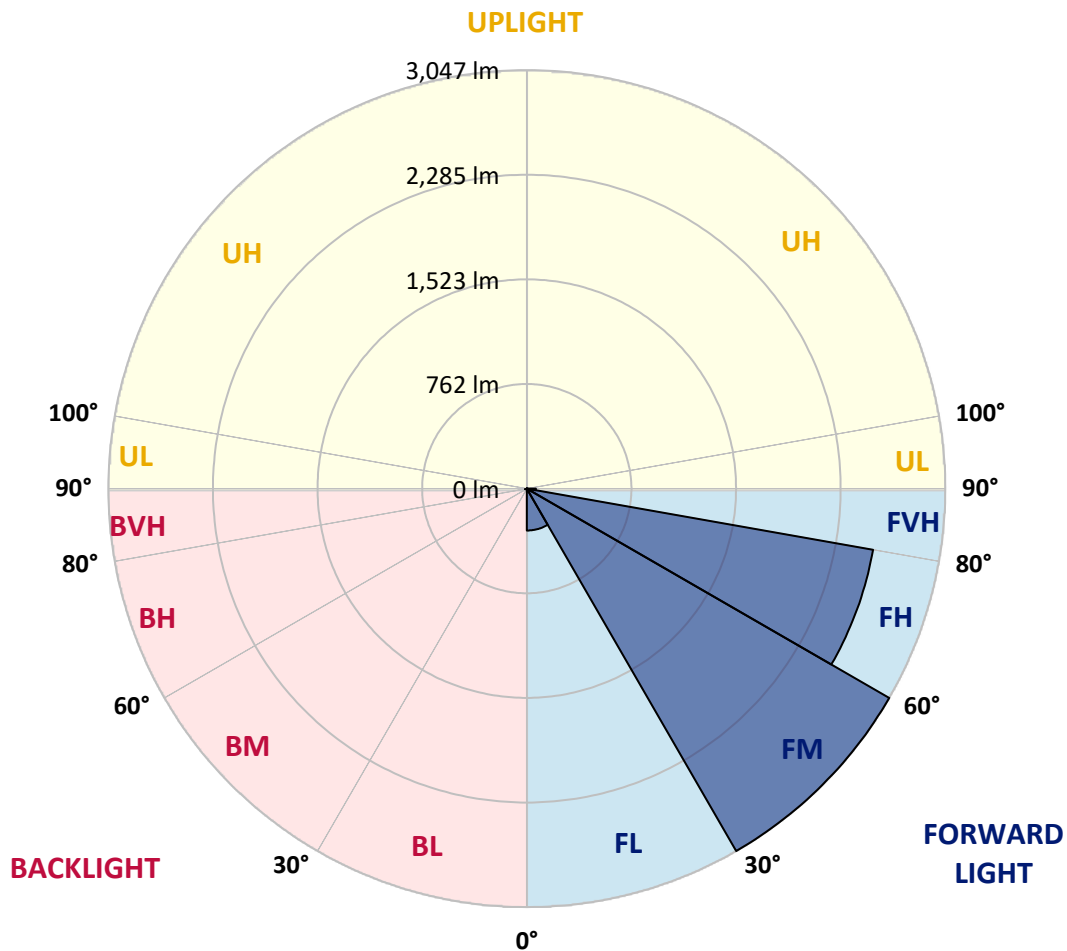
CATALOG NUMBER: NAV-SA1C-750-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.9	5.1			
FM	(30°-60°)	3046.9	50.8			
FH	(60°-80°)	2560.1	42.7			G2/5000
FVH	(80°-90°)	65.9	1.1			G1/100
BL	(0°-30°)	5.3	0.1	B0/110		
BM	(30°-60°)	5.1	0.1	B0/220		
BH	(60°-80°)	10.0	0.2	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G2

Type III Short



REPORT NUMBER: P1067031

CATALOG NUMBER: NAV-SA1C-750-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
2.5°	49.2	49.2	48.0	46.4	46.0	44.8	44.8	43.6	42.0	40.7	39.1
5°	71.4	71.0	67.8	63.7	58.5	55.3	55.3	50.8	46.8	43.2	39.9
7.5°	156.1	152.5	140.8	121.4	96.0	79.1	77.9	63.3	53.6	46.4	40.3
10°	358.2	345.7	329.2	282.8	208.9	146.0	143.2	92.4	64.1	50.0	41.1
12.5°	586.9	597.0	563.9	490.9	404.6	300.9	280.7	155.7	84.7	54.9	42.0
15°	795.1	792.6	774.1	714.4	614.7	476.8	464.3	270.7	121.4	62.5	42.8
17.5°	950.8	947.9	930.2	891.9	815.2	677.3	666.4	431.6	190.4	73.4	43.6
20°	1114.9	1111.3	1086.3	1055.6	988.7	871.3	858.4	611.5	298.1	91.2	43.6
22.5°	1311.8	1304.9	1278.3	1226.3	1155.7	1053.6	1041.9	795.5	431.6	120.2	45.6
25°	1549.8	1538.1	1501.4	1454.6	1369.5	1233.9	1221.4	1000.4	592.6	164.2	47.6
27.5°	1821.2	1823.3	1773.6	1694.6	1580.4	1442.1	1418.7	1183.9	759.2	227.1	50.0
30°	2143.5	2123.4	2053.6	1961.6	1850.7	1674.4	1651.8	1366.6	946.3	319.9	54.1
32.5°	2445.3	2423.5	2329.5	2213.7	2094.7	1908.8	1890.2	1572.0	1116.5	429.6	61.3
35°	2704.2	2688.9	2557.4	2416.2	2310.5	2144.3	2138.7	1801.1	1316.6	547.8	69.4
37.5°	2932.1	2904.3	2735.3	2588.9	2481.6	2332.7	2320.6	2010.8	1509.4	684.9	81.5
40°	3126.6	3111.2	2905.1	2712.7	2625.6	2492.5	2477.1	2194.8	1708.7	844.3	96.4
42.5°	3334.7	3314.5	3114.5	2898.7	2738.1	2595.7	2585.6	2346.4	1886.2	1019.3	118.6
45°	3569.9	3532.4	3356.9	3163.3	2919.2	2702.6	2691.3	2481.6	2068.1	1207.3	145.6
47.5°	3821.2	3788.5	3646.5	3510.6	3229.8	2878.9	2854.7	2596.5	2248.8	1424.3	179.9
50°	4076.9	4077.7	3971.2	3905.9	3609.4	3165.3	3131.0	2765.5	2438.8	1656.7	230.7
52.5°	4374.6	4382.3	4380.7	4332.3	4102.3	3633.6	3587.6	3022.1	2659.5	1927.7	300.9
55°	4499.2	4513.0	4602.1	4709.4	4646.9	4227.4	4178.2	3464.6	2951.9	2229.9	405.0
57.5°	4397.2	4412.5	4535.6	4723.5	4867.1	4747.3	4741.7	4040.6	3337.1	2596.1	575.2
59°	4275.8	4273.8	4400.0	4599.3	4792.9	4870.8	4878.8	4430.3	3672.7	2853.1	722.0
60°	4195.1	4196.7	4280.6	4485.1	4690.9	4826.0	4857.4	4659.8	3868.8	3037.8	847.9
62.5°	3883.7	3902.3	3968.8	4158.8	4354.0	4504.9	4558.5	4864.3	4429.9	3474.3	1285.6
65°	3545.3	3546.5	3641.3	3803.8	3991.0	4097.1	4131.0	4546.0	4804.6	3918.8	1859.6
67.5°	2941.4	2966.0	3073.7	3337.1	3584.4	3718.7	3744.5	3957.1	4649.3	4208.4	2147.2
70°	2058.4	2090.7	2244.4	2586.0	2954.3	3175.0	3173.4	3289.5	4091.8	4079.3	1820.4
72.5°	1027.8	1083.5	1208.9	1574.8	2020.9	2367.4	2440.4	2646.1	3287.1	3388.4	1358.2
75°	454.2	457.4	528.8	713.2	1004.4	1444.5	1509.8	2100.4	2521.9	2354.9	981.0
77.5°	264.2	266.6	279.5	320.3	407.0	707.9	781.3	1377.5	1782.1	1368.7	639.8
80°	96.0	98.4	98.0	121.4	178.3	278.7	310.6	667.6	1188.7	720.8	335.2
82.5°	58.9	58.9	56.9	57.3	64.9	106.9	117.0	284.4	578.8	355.0	96.0
85°	29.0	30.7	32.7	36.7	43.6	52.8	56.1	81.5	194.8	85.9	23.0
87.5°	17.3	17.7	19.4	23.4	29.0	37.9	40.3	55.3	69.8	57.7	5.6
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: P1067031

CATALOG NUMBER: NAV-SA1C-750-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
2.5°	38.3	37.9	35.9	34.3	32.7	31.1	29.8	28.6	28.6	29.0	28.6
5°	38.3	36.7	33.5	30.7	28.2	26.2	24.2	22.6	22.2	22.2	22.6
7.5°	37.9	35.9	31.5	27.8	24.6	21.8	19.8	17.7	17.3	17.7	17.3
10°	37.5	35.1	29.8	25.4	21.0	18.2	15.3	13.3	13.3	13.3	13.7
12.5°	37.5	33.9	28.2	23.0	18.2	14.9	12.1	10.1	9.7	9.7	9.7
15°	37.1	33.1	26.6	20.2	15.3	11.3	8.9	6.9	6.9	6.9	6.9
17.5°	36.3	31.9	24.6	17.7	12.1	8.5	6.1	4.0	4.0	4.8	4.8
20°	35.5	30.7	22.2	14.5	10.1	6.5	4.0	2.4	2.4	3.6	4.0
22.5°	35.9	30.7	20.6	12.9	8.1	4.8	3.2	2.0	1.6	2.8	3.6
25°	36.3	29.8	18.6	11.3	6.1	3.6	2.4	0.8	0.4	0.8	1.2
27.5°	36.3	29.0	16.1	8.9	4.4	2.8	1.2	0.0	0.0	0.0	0.0
30°	35.9	27.8	14.1	7.3	3.2	1.6	0.4	0.0	0.0	0.0	0.0
32.5°	35.5	26.6	12.9	5.6	2.8	0.8	0.0	0.0	0.0	0.0	0.0
35°	35.9	25.0	11.3	4.4	1.6	0.0	0.0	0.0	0.0	0.0	0.8
37.5°	37.1	23.4	9.7	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	38.7	22.2	8.1	2.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	42.0	22.2	7.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	46.0	22.2	6.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	51.2	22.6	5.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	57.7	23.4	4.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	62.5	22.6	4.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	71.0	21.8	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	82.3	20.6	4.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	93.6	19.0	4.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	106.5	18.2	3.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	175.9	16.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	339.6	15.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	549.0	15.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	577.2	15.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	384.0	12.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	205.7	11.3	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	110.9	10.5	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	48.8	7.7	2.0	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.4	5.2	2.4	2.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0
85°	9.3	4.0	3.2	2.8	2.0	1.2	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	4.0	3.6	3.2	2.8	2.0	0.4	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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

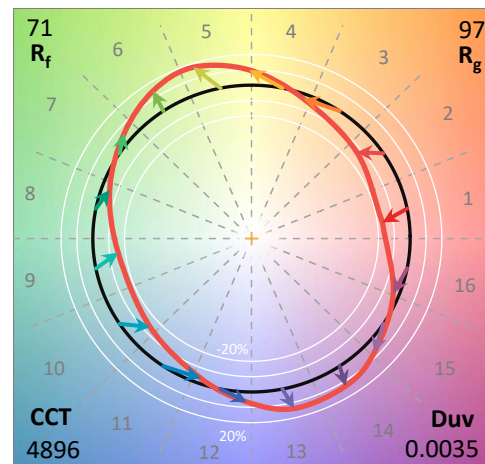
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 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-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896	CRI (Ra):	70.2		
CIE u':	0.2101	R1:	68.1	R9:	-35.1
CIE v':	0.4901	R2:	73.9	R10:	39.3
Duv:	0.0035	R3:	79.4	R11:	71.1
CIE x:	0.3489	R4:	72.1	R12:	43.8
CIE y:	0.3618	R5:	69.2	R13:	68.1
CIE z:	0.2893	R6:	65.7	R14:	88.4
Peak Wavelength (nm):	443	R7:	78.1	R15:	59.7
Dominant Wavelength (nm):	570	R8:	55.3		
Purity:	13.25435				
Rf:	70.7				
Rg:	96.8				



Test Conditions

Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

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: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

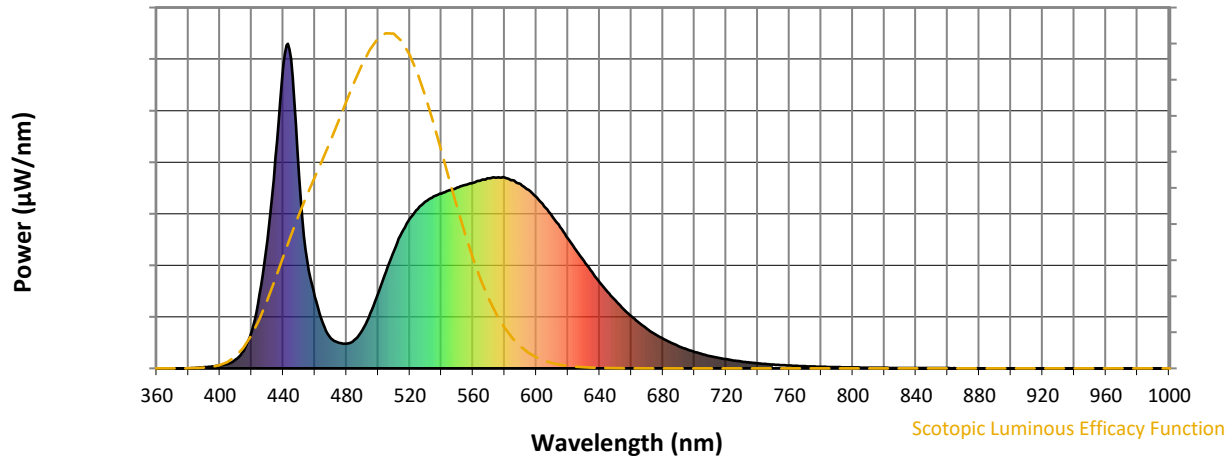


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength



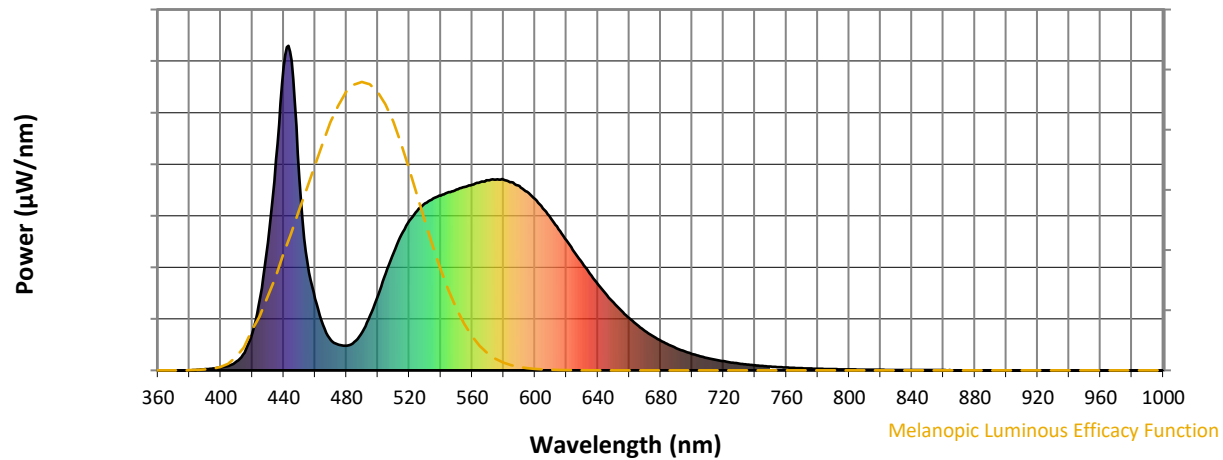
Scotopic Lumens: NR

S/P: 1.7

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

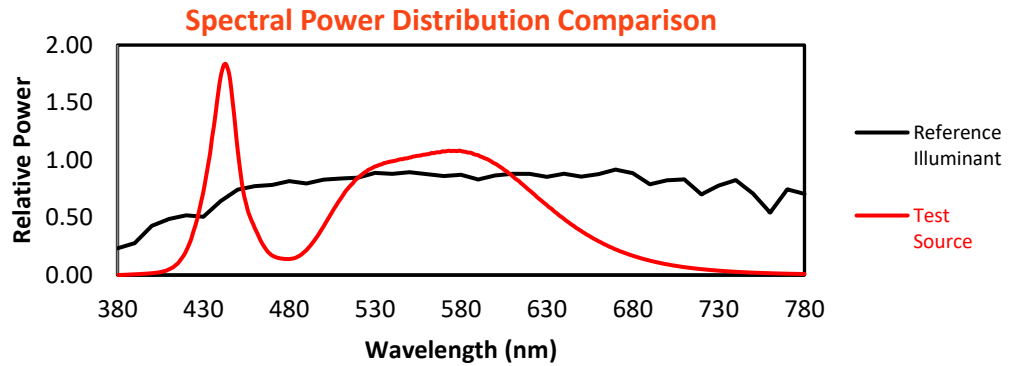
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

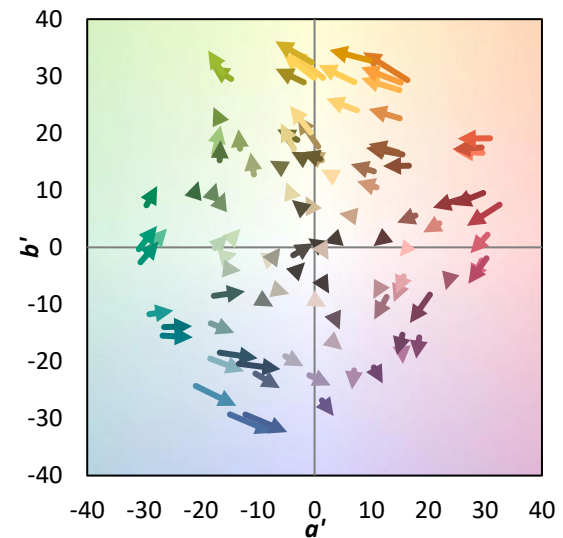
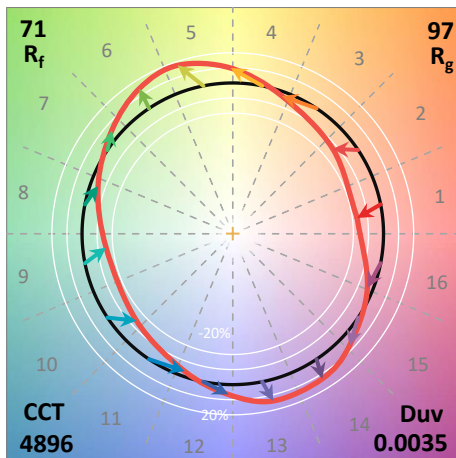
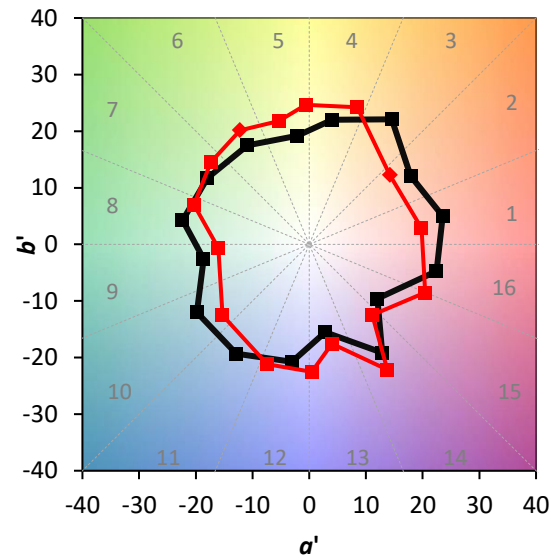
TM-30-18

Summary

$R_f = 70.7$
 $R_g = 96.8$
 CIE $R_a = 70.2$
 $R_g = -35.1$

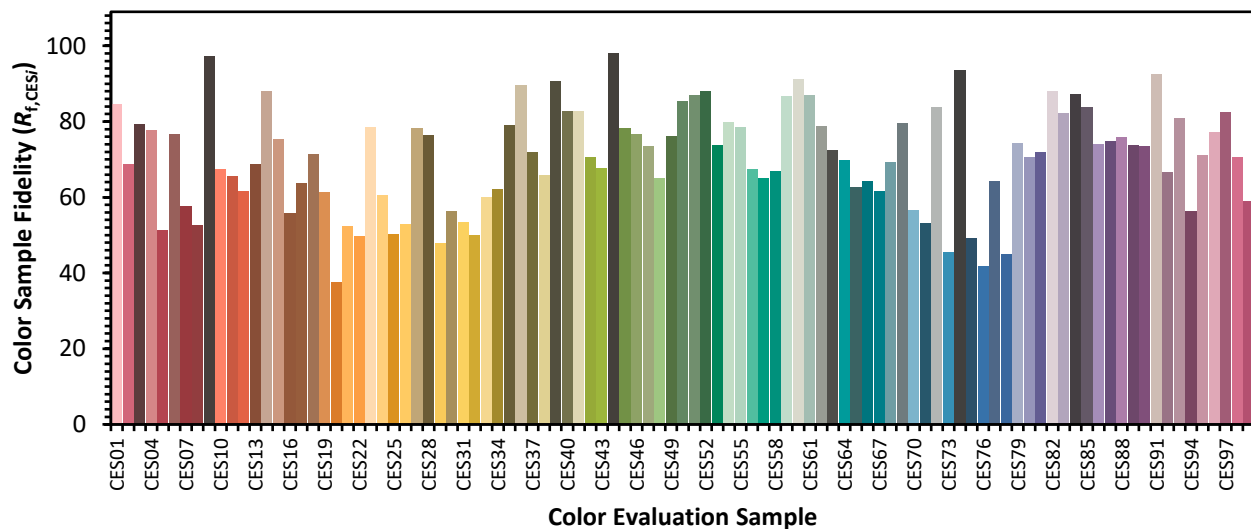


Color Vector Graphics

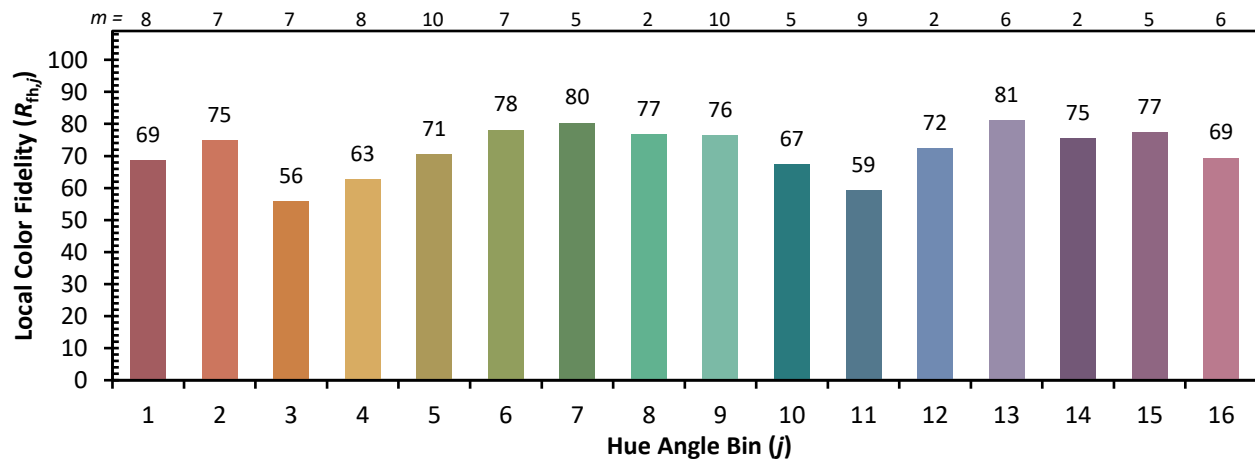
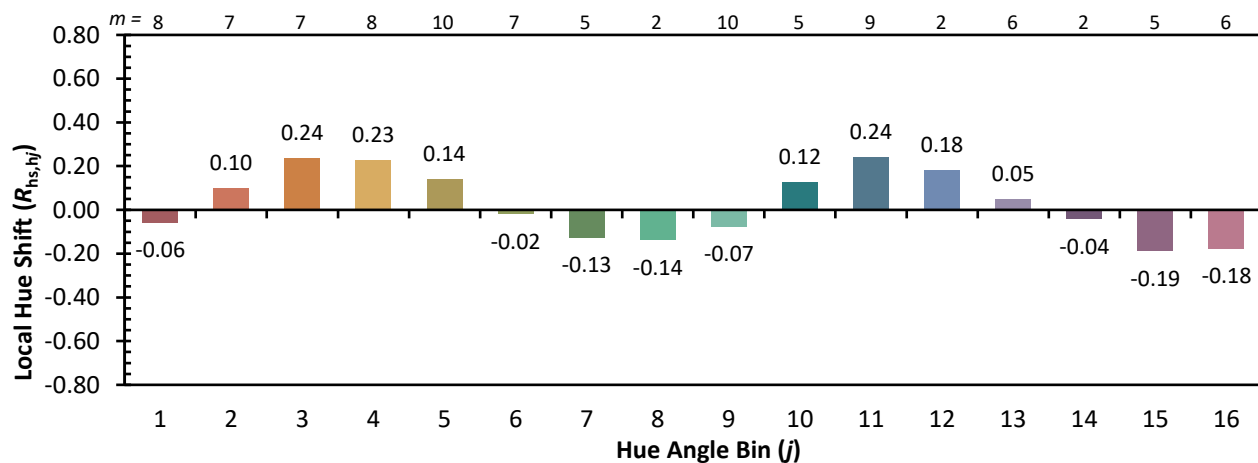
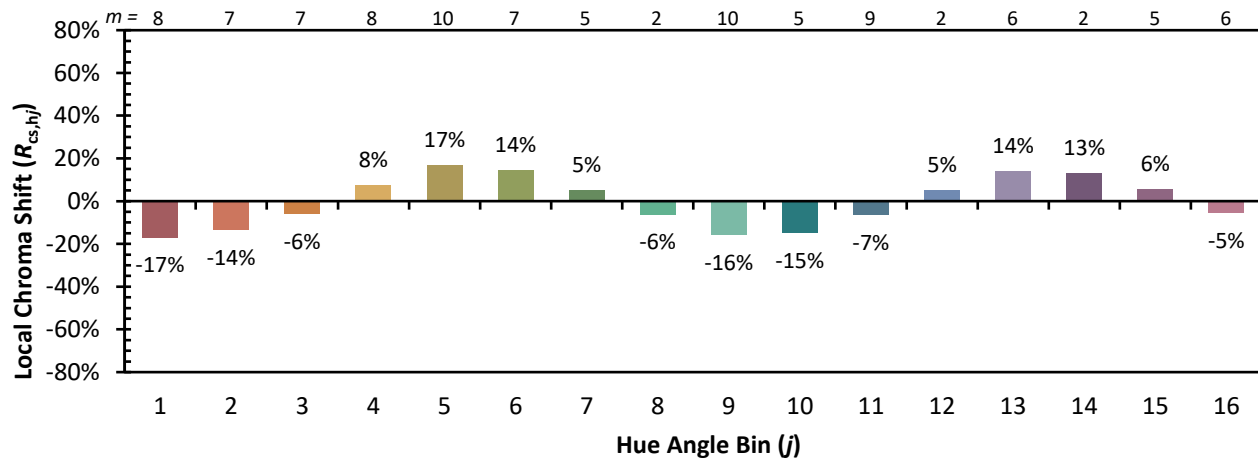


Individual Sample Fidelity Index ($R_{f,i}$)

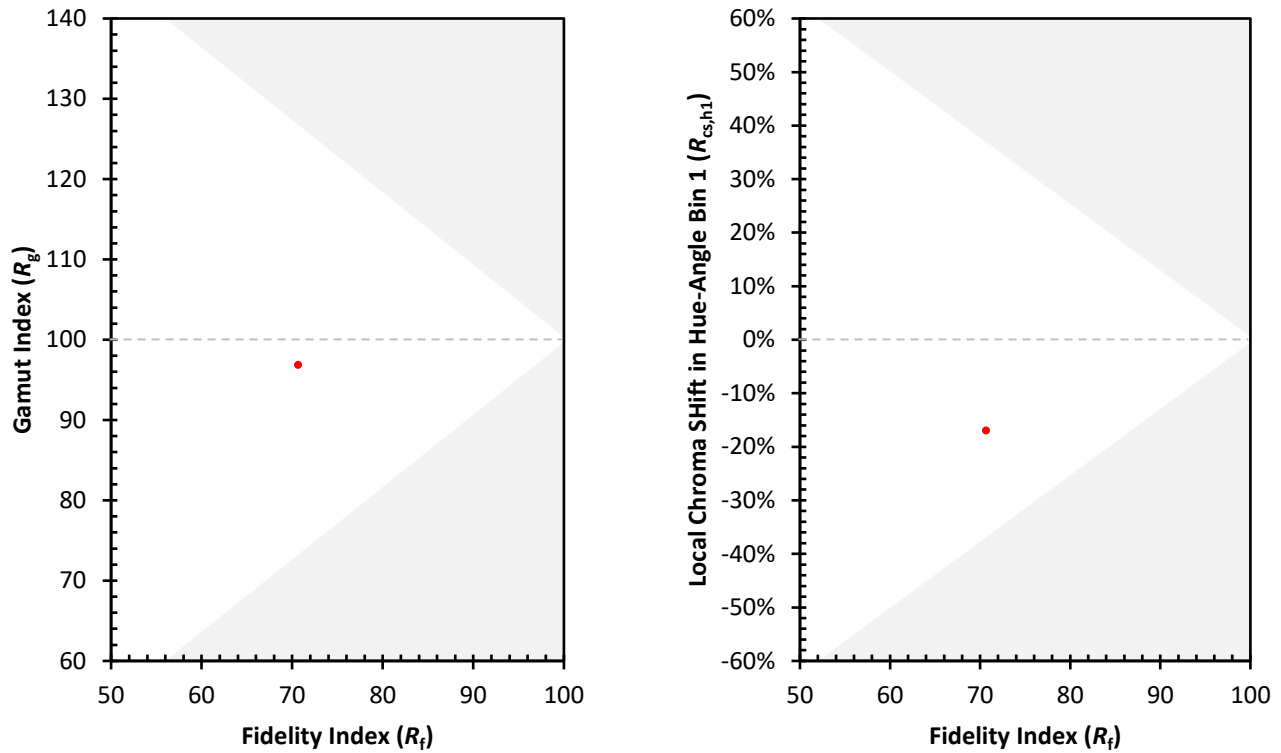
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)