

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: P1067036

Luminaire Tested: **NAV-SA2D-750-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067036
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2D-750-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (28) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12816 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107
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



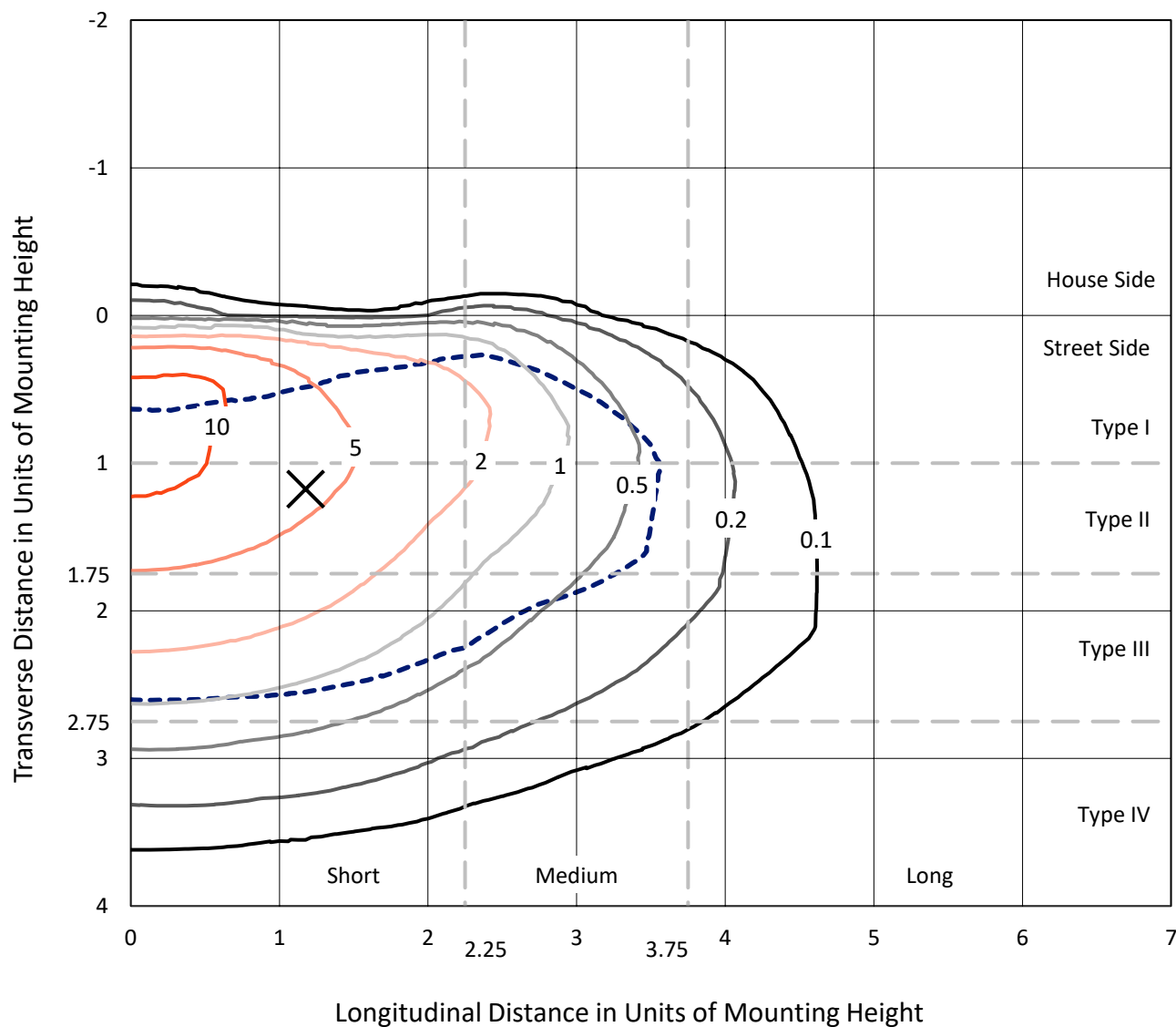
REPORT NUMBER: P1067036

CATALOG NUMBER: NAV-SA2D-750-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

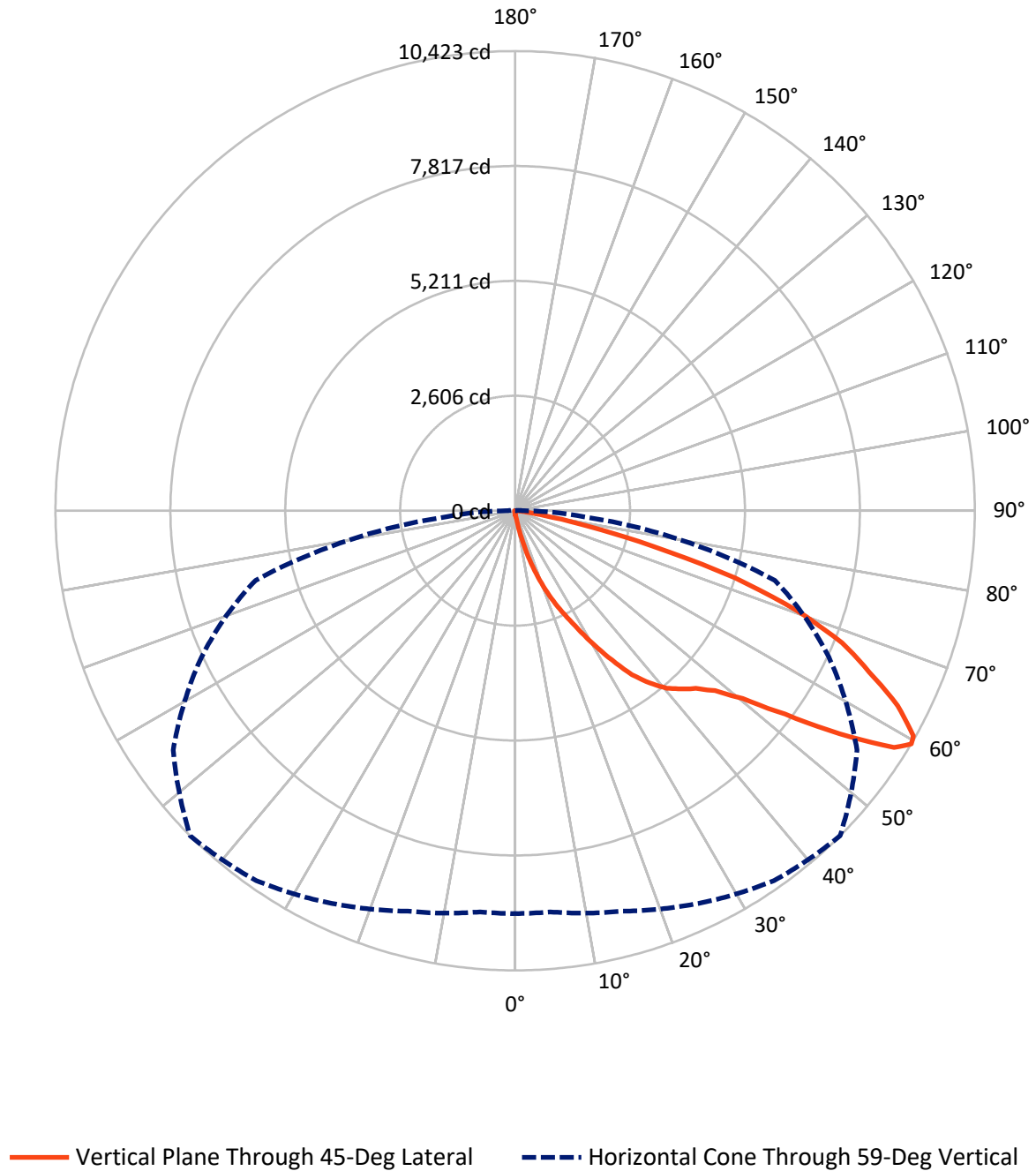


Based on 15 foot mounting height. Maximum calculated value = 14 fc
 Type III - Short - N/A

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CATALOG NUMBER: NAV-SA2D-750-U-T3BC

Luminous Intensity Polar Plot



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CATALOG NUMBER: NAV-SA2D-750-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.5	0.0	45.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12770.5	0.0	12770.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	12816.0	0.0	12816.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.1
10°-20°	141.6	1.1
20°-30°	509.0	4.0
30°-40°	1182.7	9.2
40°-50°	2015.9	15.7
50°-60°	3321.7	25.9
60°-70°	3840.6	30.0
70°-80°	1650.0	12.9
80°-90°	142.6	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°	12816.0	100.0
0°-180°	12816.0	100.0



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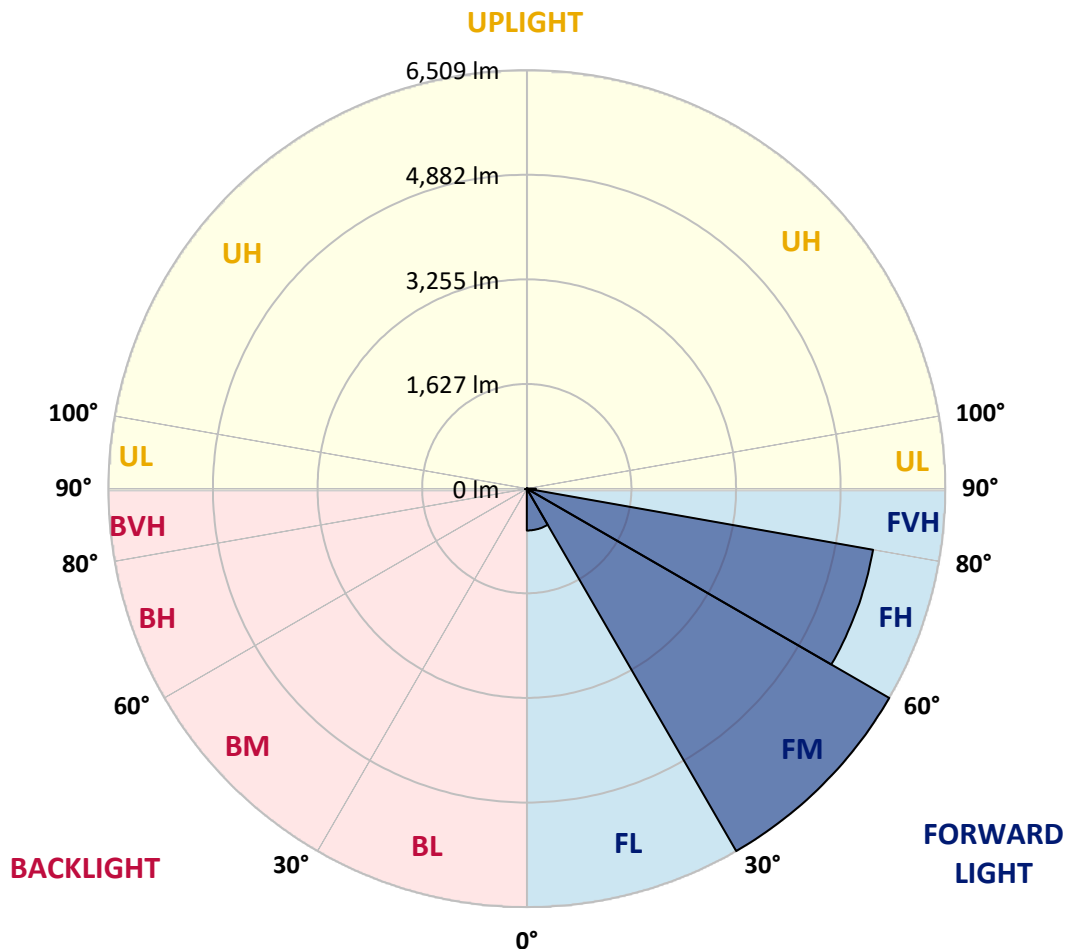
CATALOG NUMBER: NAV-SA2D-750-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	651.3	5.1			
FM	(30°-60°)	6509.3	50.8			
FH	(60°-80°)	5469.2	42.7			G3/7500
FVH	(80°-90°)	140.7	1.1			G2/225
BL	(0°-30°)	11.2	0.1	B0/110		
BM	(30°-60°)	11.0	0.1	B0/220		
BH	(60°-80°)	21.4	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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-G3

Type III Short





REPORT NUMBER: P1067036

CATALOG NUMBER: NAV-SA2D-750-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
2.5°	105.1	105.1	102.5	99.1	98.2	95.7	95.7	93.1	89.6	87.0	83.6
5°	152.5	151.7	144.8	136.2	125.0	118.1	118.1	108.6	100.0	92.2	85.3
7.5°	333.5	325.7	300.8	259.4	205.1	168.9	166.3	135.3	114.6	99.1	86.2
10°	765.2	738.5	703.2	604.1	446.4	312.0	305.9	197.3	137.0	106.9	87.9
12.5°	1253.9	1275.4	1204.7	1048.8	864.3	642.9	599.8	332.6	181.0	117.2	89.6
15°	1698.5	1693.3	1653.7	1526.2	1313.3	1018.6	991.9	578.2	259.4	133.6	91.3
17.5°	2031.2	2025.1	1987.2	1905.3	1741.6	1446.9	1423.6	922.1	406.7	156.8	93.1
20°	2381.9	2374.1	2320.7	2255.2	2112.2	1861.4	1833.8	1306.4	636.8	194.8	93.1
22.5°	2802.4	2787.8	2730.9	2619.7	2468.9	2250.9	2225.9	1699.4	922.1	256.8	97.4
25°	3310.9	3285.9	3207.4	3107.5	2925.7	2636.1	2609.4	2137.1	1265.9	350.7	101.7
27.5°	3890.8	3895.1	3789.1	3620.2	3376.4	3080.8	3030.8	2529.2	1621.8	485.2	106.9
30°	4579.4	4536.3	4387.2	4190.7	3953.7	3577.1	3528.9	2919.6	2021.7	683.4	115.5
32.5°	5224.0	5177.4	4976.6	4729.3	4475.1	4077.8	4038.2	3358.3	2385.3	917.8	131.0
35°	5777.2	5744.4	5463.5	5161.9	4936.1	4581.1	4569.0	3847.7	2812.8	1170.3	148.2
37.5°	6264.1	6204.6	5843.6	5530.7	5301.5	4983.5	4957.7	4295.8	3224.7	1463.3	174.1
40°	6679.5	6646.7	6206.3	5795.3	5609.2	5324.8	5292.0	4688.8	3650.4	1803.7	206.0
42.5°	7124.1	7081.0	6653.6	6192.6	5849.6	5545.4	5523.8	5012.8	4029.6	2177.7	253.4
45°	7626.5	7546.4	7171.5	6757.9	6236.5	5773.7	5749.6	5301.5	4418.2	2579.2	311.1
47.5°	8163.4	8093.6	7790.3	7499.8	6900.1	6150.3	6098.6	5547.1	4804.3	3042.9	384.3
50°	8709.7	8711.5	8484.0	8344.4	7711.0	6762.2	6688.9	5908.2	5210.2	3539.2	492.9
52.5°	9345.7	9362.1	9358.6	9255.2	8764.0	7762.7	7664.4	6456.3	5681.5	4118.3	642.9
55°	9612.0	9641.3	9831.7	10061.0	9927.4	9031.2	8926.0	7401.6	6306.3	4763.8	865.2
57.5°	9394.0	9426.7	9689.6	10091.1	10397.9	10142.0	10129.9	8632.2	7129.3	5546.2	1228.9
59°	9134.6	9130.3	9400.0	9825.7	10239.4	10405.7	10422.9	9464.6	7846.3	6095.2	1542.5
60°	8962.2	8965.7	9144.9	9581.8	10021.3	10310.0	10377.2	9955.0	8265.1	6489.9	1811.4
62.5°	8297.0	8336.6	8478.8	8884.7	9301.8	9624.1	9738.7	10391.9	9463.8	7422.3	2746.4
65°	7574.0	7576.5	7779.1	8126.3	8526.2	8752.8	8825.2	9712.0	10264.3	8371.9	3972.7
67.5°	6283.9	6336.5	6566.6	7129.3	7657.5	7944.5	7999.7	8453.8	9932.6	8990.7	4587.1
70°	4397.5	4466.5	4794.8	5524.7	6311.5	6782.9	6779.4	7027.6	8741.6	8714.9	3889.1
72.5°	2195.7	2314.7	2582.7	3364.3	4317.4	5057.6	5213.6	5653.1	7022.4	7238.7	2901.5
75°	970.3	977.2	1129.8	1523.6	2145.8	3085.9	3225.5	4487.2	5387.7	5030.9	2095.8
77.5°	564.4	569.6	597.2	684.2	869.5	1512.4	1669.2	2942.9	3807.2	2923.9	1366.7
80°	205.1	210.3	209.4	259.4	380.9	595.5	663.6	1426.2	2539.6	1540.0	716.1
82.5°	125.8	125.8	121.5	122.4	138.7	228.4	249.9	607.5	1236.6	758.3	205.1
85°	62.0	65.5	69.8	78.4	93.1	112.9	119.8	174.1	416.2	183.6	49.1
87.5°	37.1	37.9	41.4	50.0	62.0	81.0	86.2	118.1	149.1	123.2	12.1
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: P1067036

CATALOG NUMBER: NAV-SA2D-750-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
2.5°	81.9	81.0	76.7	73.2	69.8	66.4	63.8	61.2	61.2	62.0	61.2
5°	81.9	78.4	71.5	65.5	60.3	56.0	51.7	48.3	47.4	47.4	48.3
7.5°	81.0	76.7	67.2	59.5	52.6	46.5	42.2	37.9	37.1	37.9	37.1
10°	80.1	75.0	63.8	54.3	44.8	38.8	32.7	28.4	28.4	28.4	29.3
12.5°	80.1	72.4	60.3	49.1	38.8	31.9	25.9	21.5	20.7	20.7	20.7
15°	79.3	70.7	56.9	43.1	32.7	24.1	19.0	14.6	14.6	14.6	14.6
17.5°	77.6	68.1	52.6	37.9	25.9	18.1	12.9	8.6	8.6	10.3	10.3
20°	75.8	65.5	47.4	31.0	21.5	13.8	8.6	5.2	5.2	7.8	8.6
22.5°	76.7	65.5	43.9	27.6	17.2	10.3	6.9	4.3	3.4	6.0	7.8
25°	77.6	63.8	39.6	24.1	12.9	7.8	5.2	1.7	0.9	1.7	2.6
27.5°	77.6	62.0	34.5	19.0	9.5	6.0	2.6	0.0	0.0	0.0	0.0
30°	76.7	59.5	30.2	15.5	6.9	3.4	0.9	0.0	0.0	0.0	0.0
32.5°	75.8	56.9	27.6	12.1	6.0	1.7	0.0	0.0	0.0	0.0	0.0
35°	76.7	53.4	24.1	9.5	3.4	0.0	0.0	0.0	0.0	0.0	1.7
37.5°	79.3	50.0	20.7	7.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	82.7	47.4	17.2	6.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	89.6	47.4	15.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	98.2	47.4	12.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	109.4	48.3	11.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	123.2	50.0	10.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	133.6	48.3	9.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	151.7	46.5	8.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	175.8	43.9	8.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	199.9	40.5	8.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	227.5	38.8	7.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	375.7	34.5	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	725.6	32.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1172.8	32.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1233.2	32.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	820.4	26.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	439.5	24.1	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	237.0	22.4	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	104.3	16.4	4.3	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.4	11.2	5.2	4.3	3.4	1.7	0.0	0.0	0.0	0.0	0.0
85°	19.8	8.6	6.9	6.0	4.3	2.6	0.0	0.0	0.0	0.0	0.0
87.5°	9.5	8.6	7.8	6.9	6.0	4.3	0.9	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

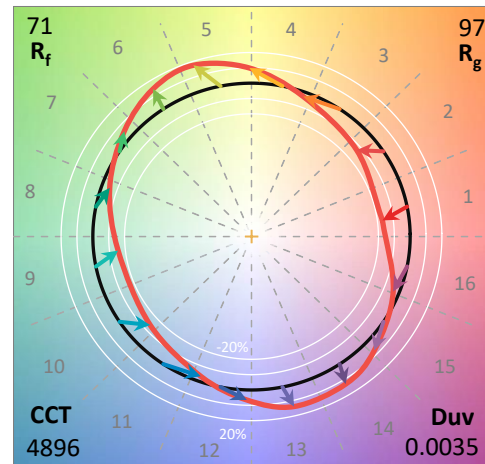
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

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

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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



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

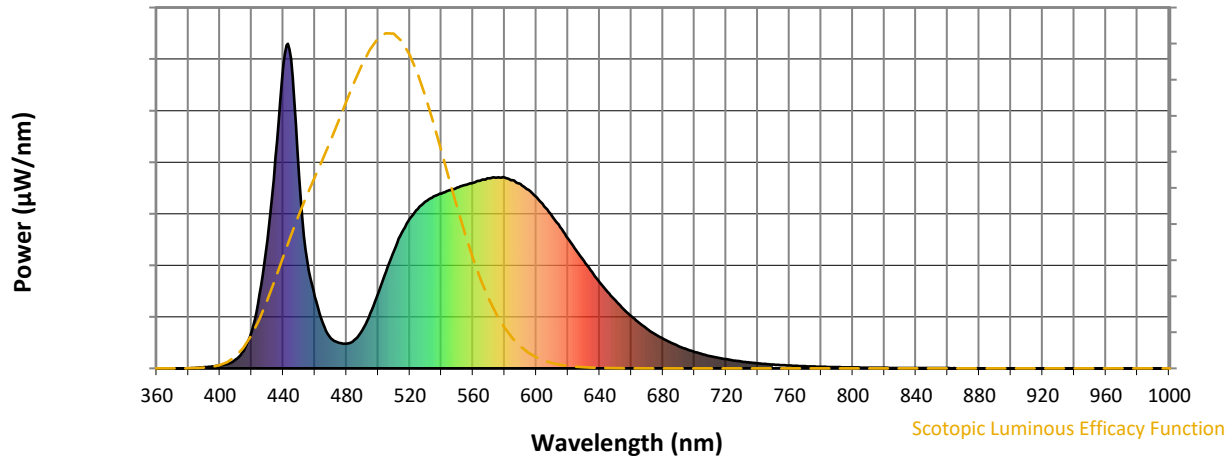


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength



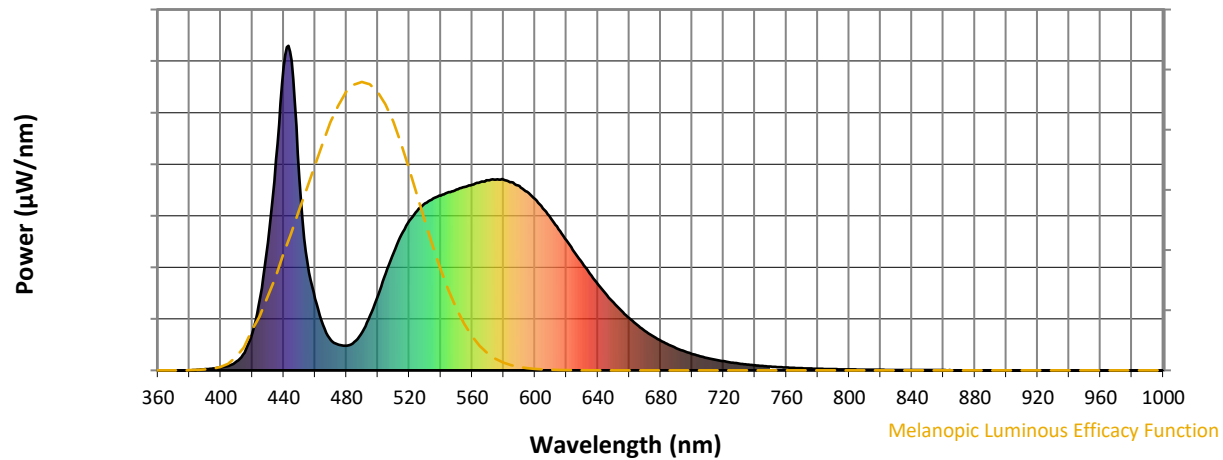
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

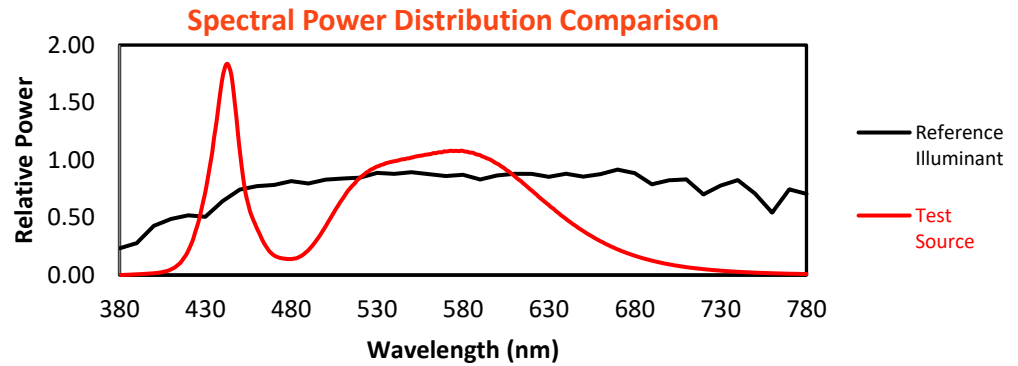
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	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			

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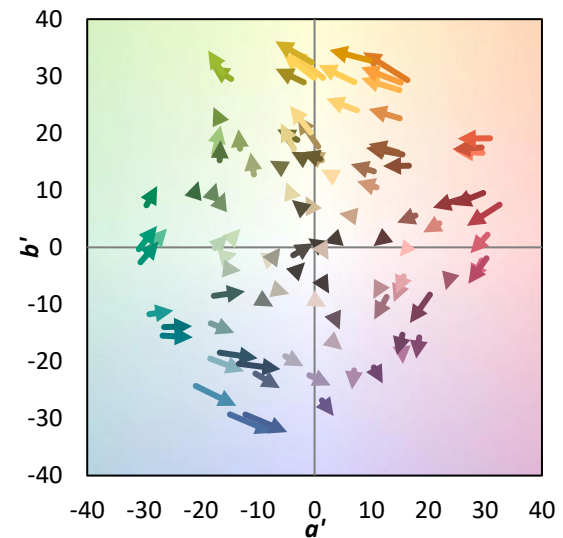
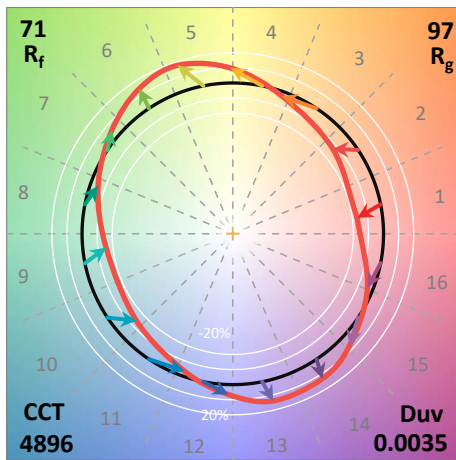
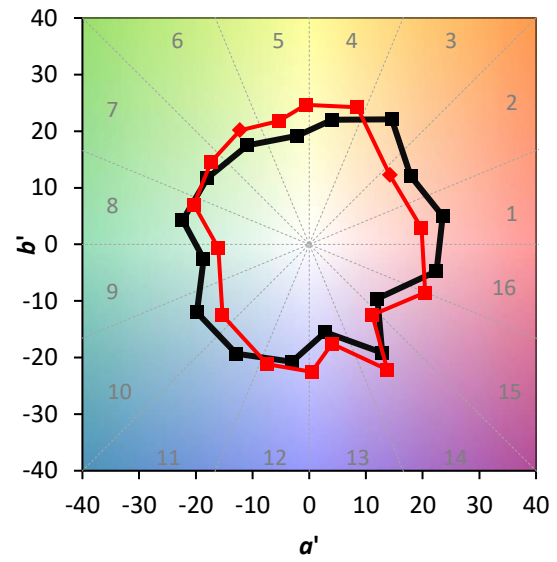
TM-30-18

Summary

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

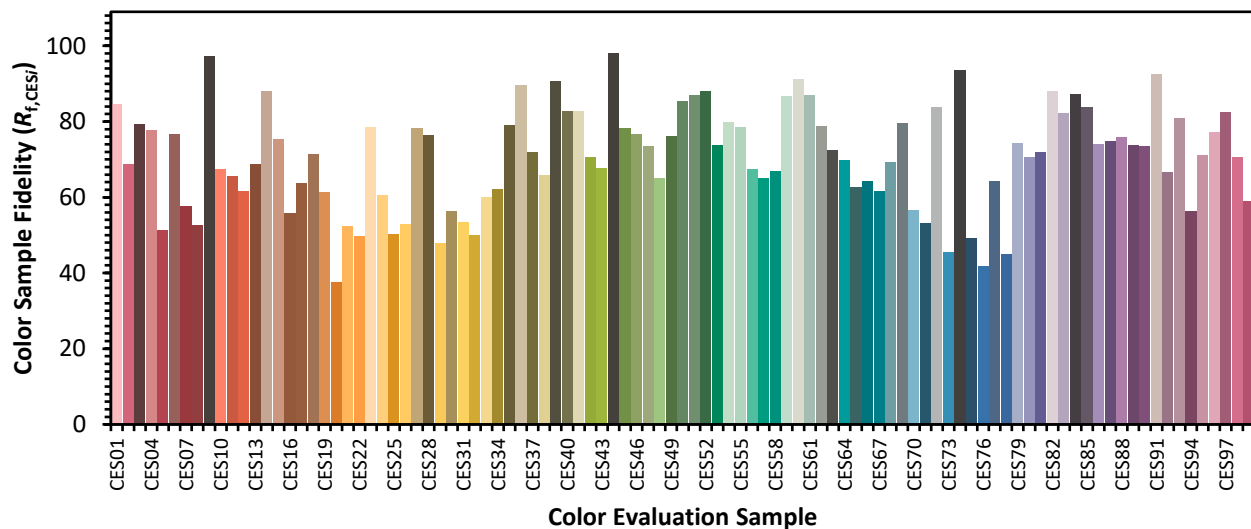


Color Vector Graphics

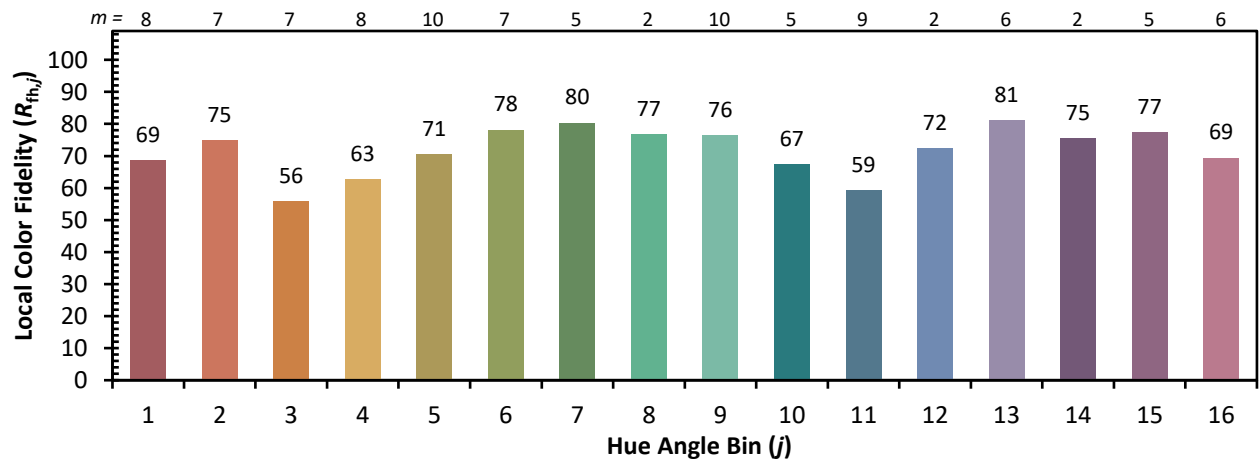
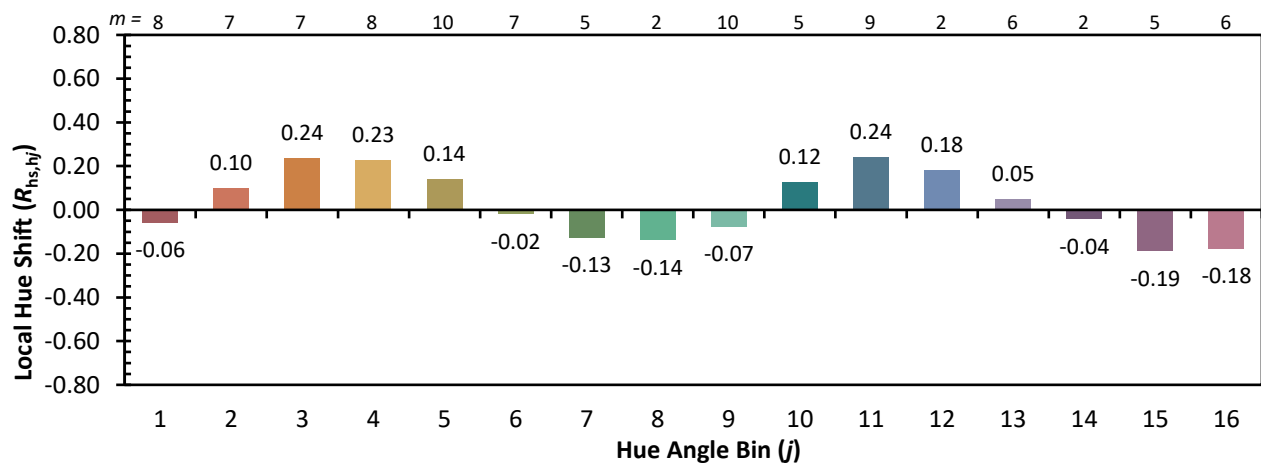
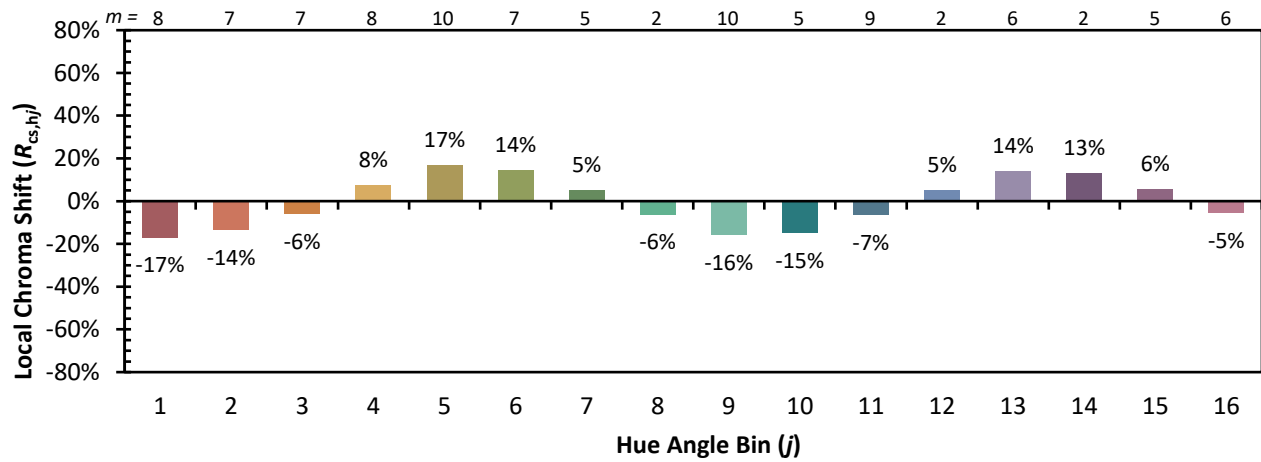


Individual Sample Fidelity Index ($R_{f,i}$)

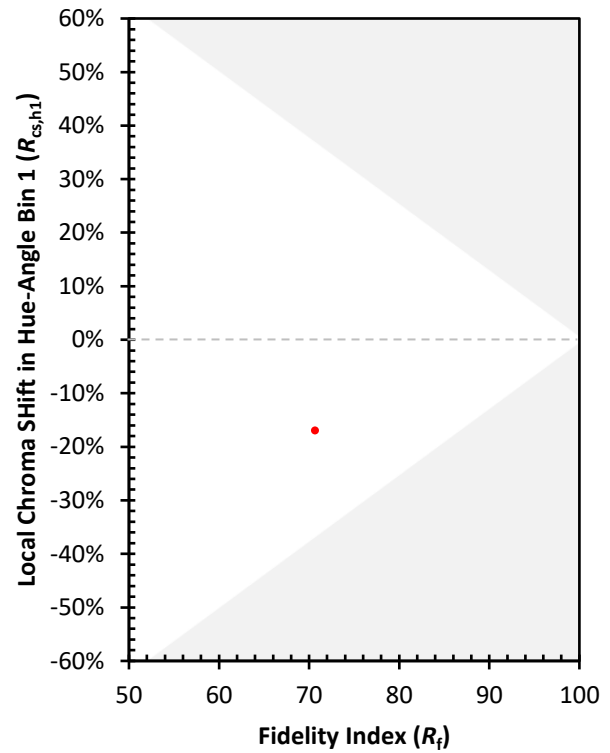
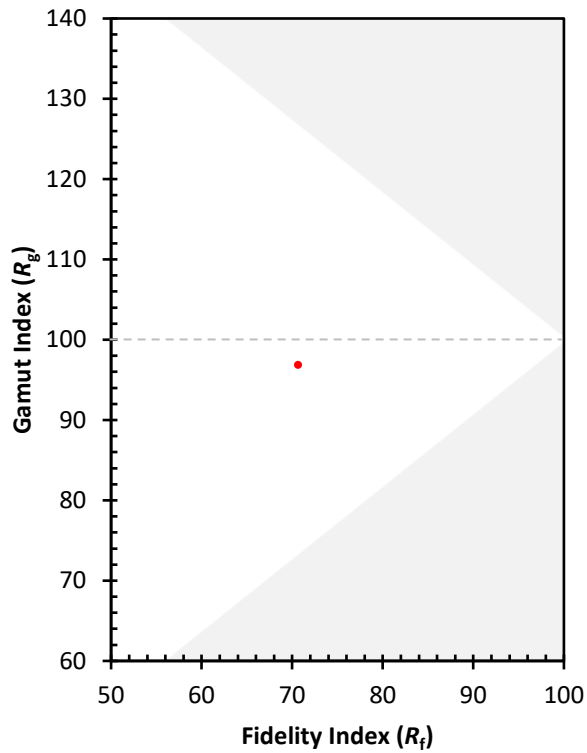
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 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)