

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: P1067523

Luminaire Tested: **NAV-SA4C-750-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067523
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4C-750-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21937.1 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 190.4
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



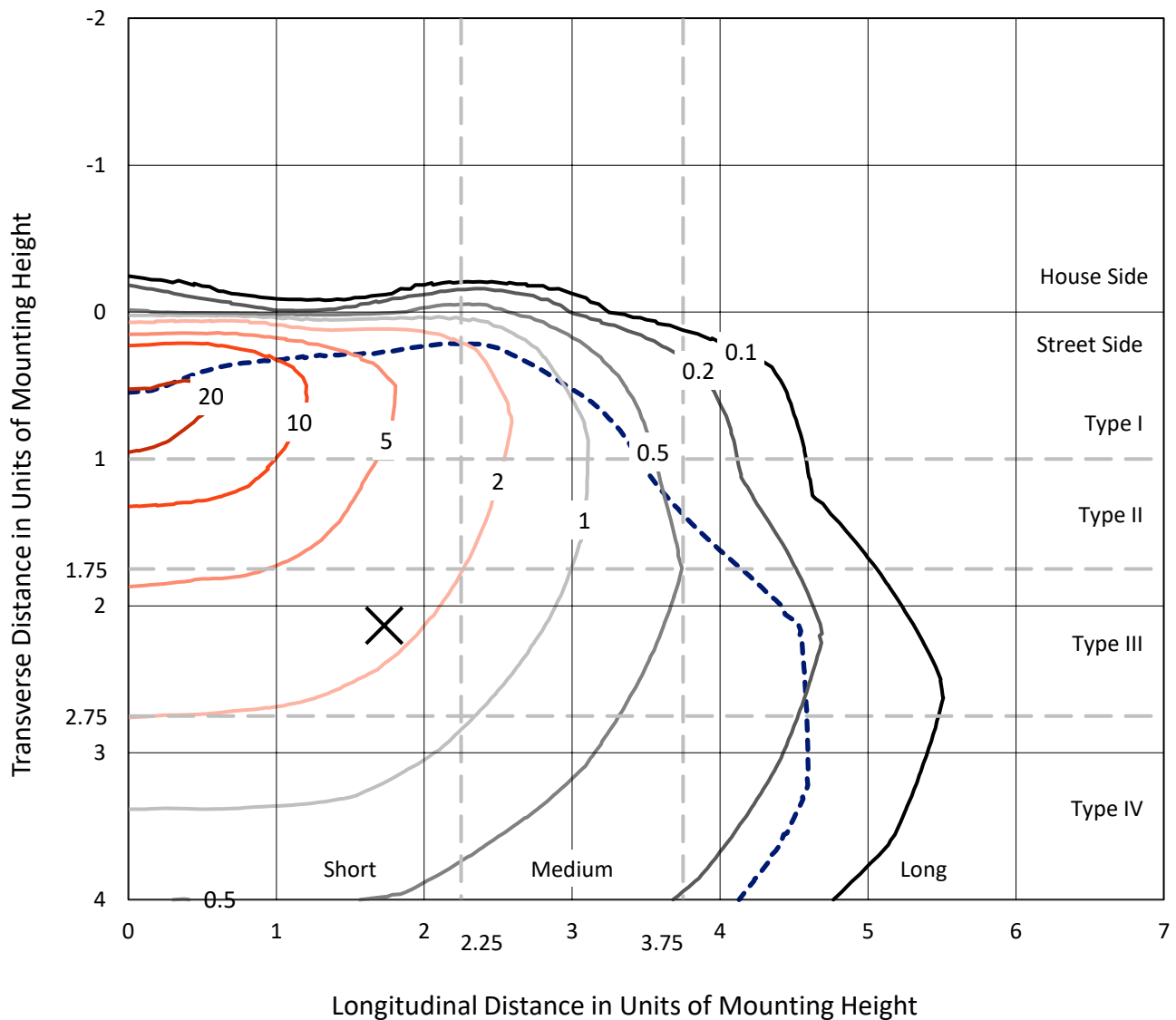
REPORT NUMBER: P1067523

CATALOG NUMBER: NAV-SA4C-750-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

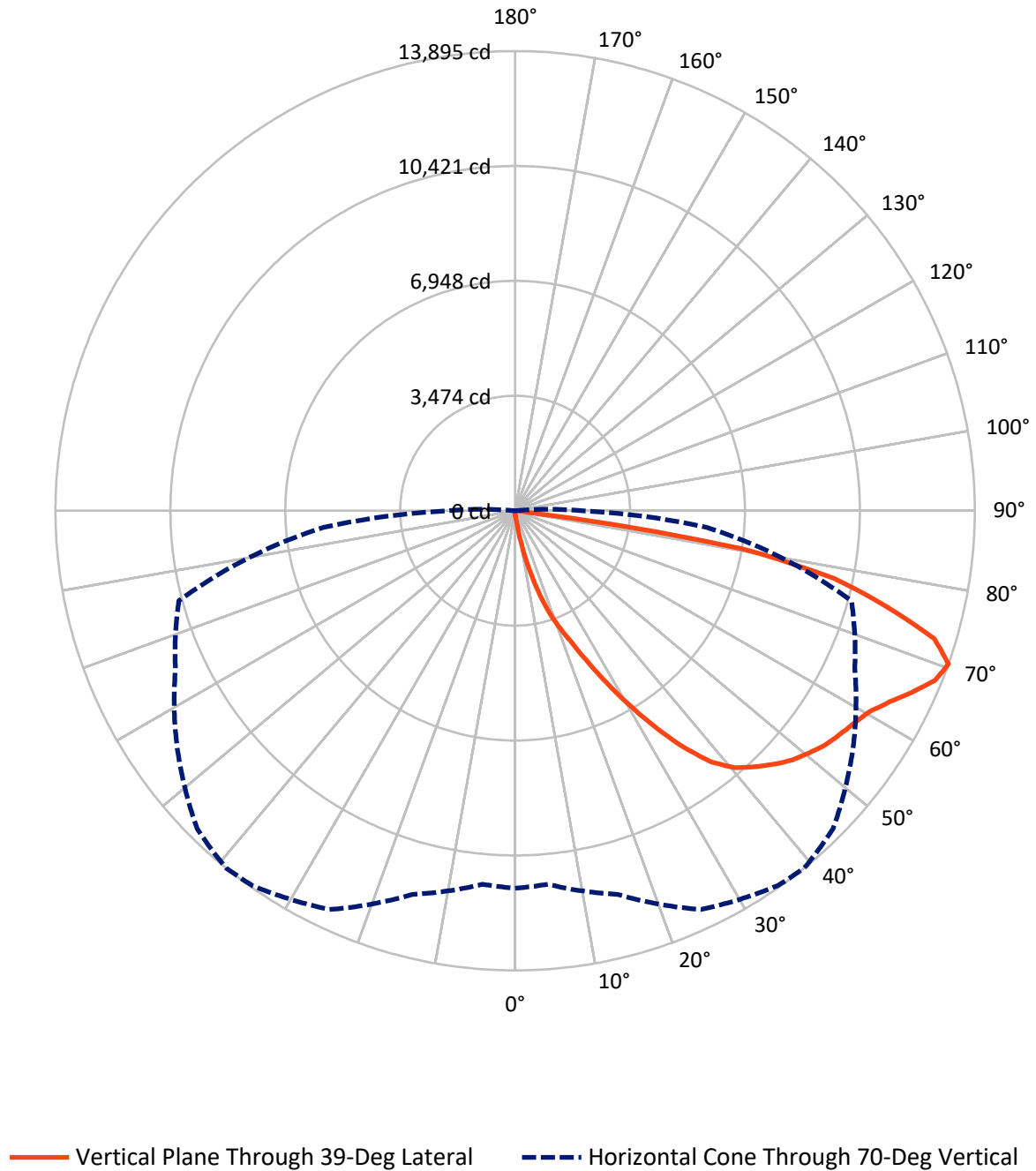


Based on 15 foot mounting height. Maximum calculated value = 23.9 fc
 Type IV - Short - N/A

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CATALOG NUMBER: NAV-SA4C-750-U-T4BC

Luminous Intensity Polar Plot



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CATALOG NUMBER: NAV-SA4C-750-U-T4BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	67.6	0.0	67.6
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	21869.6	0.0	21869.6
	% Fixture	99.7	0.0	99.7
Total	Lumens	21937.1	0.0	21937.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.1	0.1
10°-20°	269.7	1.2
20°-30°	915.2	4.2
30°-40°	2150.9	9.8
40°-50°	3492.6	15.9
50°-60°	4425.8	20.2
60°-70°	5621.9	25.6
70°-80°	4567.8	20.8
80°-90°	470.3	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°	21937.1	100.0
0°-180°	21937.1	100.0



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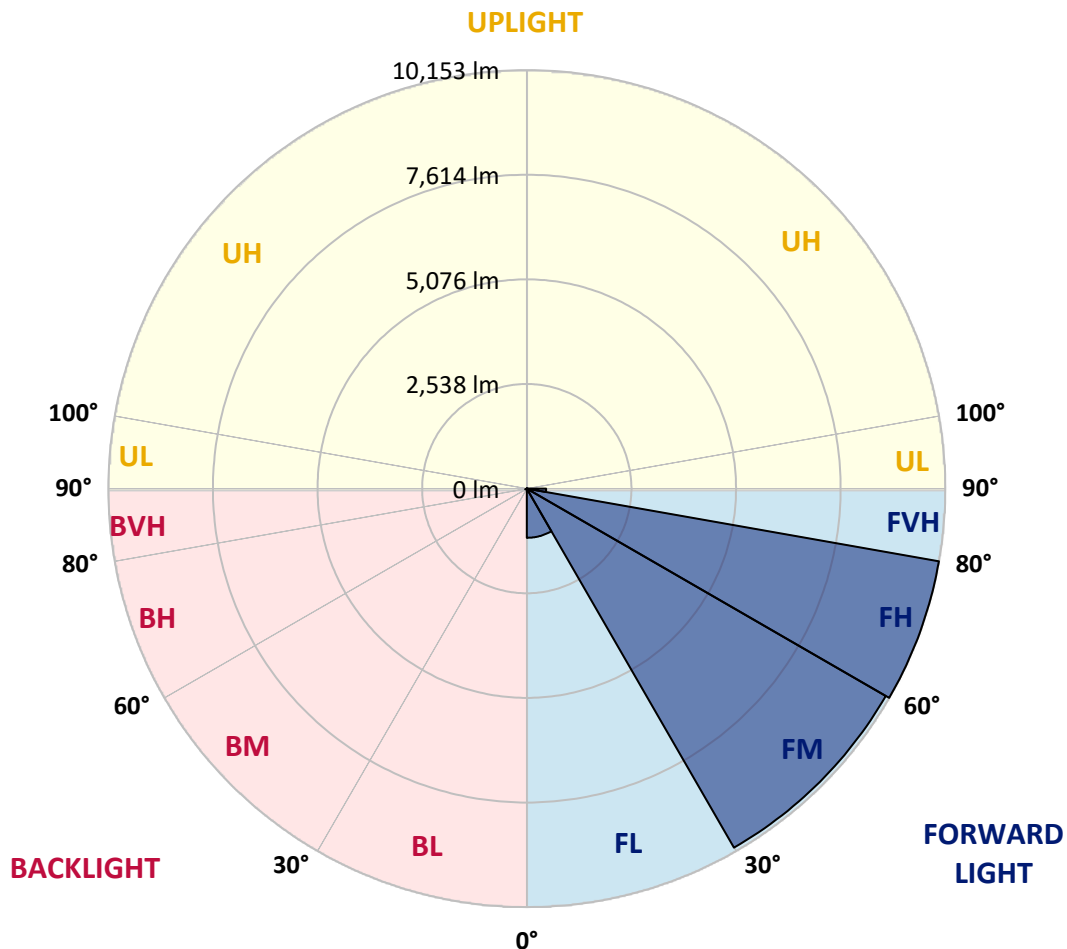
CATALOG NUMBER: NAV-SA4C-750-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1193.3	5.4			
FM	(30°-60°)	10056.2	45.8			
FH	(60°-80°)	10152.5	46.3			G4/12000
FVH	(80°-90°)	467.5	2.1			G3/500
BL	(0°-30°)	14.6	0.1	B0/110		
BM	(30°-60°)	13.0	0.1	B0/220		
BH	(60°-80°)	37.1	0.2	B0/110		G0/110
BVH	(80°-90°)	2.8	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-G4

Type IV Short



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CATALOG NUMBER: NAV-SA4C-750-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	119.1	119.1	119.1	119.1	119.1	119.1	119.1	119.1	119.1	119.1	119.1
2.5°	154.9	154.9	154.9	148.9	148.9	142.9	142.9	137.0	131.0	131.0	125.1
5°	291.8	297.8	279.9	244.2	220.4	208.5	196.5	166.8	148.9	137.0	125.1
7.5°	798.1	774.3	738.5	619.4	476.5	405.0	345.4	244.2	178.7	142.9	125.1
10°	1679.6	1614.0	1512.8	1352.0	1072.1	958.9	744.5	446.7	250.1	160.8	125.1
12.5°	2465.7	2477.6	2352.6	2197.7	1858.2	1667.6	1375.8	839.8	393.1	190.6	125.1
15°	3061.3	3049.4	3001.8	2876.7	2572.9	2388.3	2126.2	1411.5	661.1	238.2	131.0
17.5°	3531.8	3484.2	3466.3	3412.7	3216.2	3114.9	2829.0	2078.6	1048.2	321.6	137.0
20°	4002.3	3990.4	3972.6	3913.0	3782.0	3710.5	3490.1	2751.6	1560.4	458.6	148.9
22.5°	4687.3	4621.7	4633.7	4502.6	4395.4	4270.3	4091.7	3466.3	2150.1	655.1	166.8
25°	5491.3	5485.3	5390.1	5330.5	5151.8	5014.8	4776.6	4157.2	2805.2	947.0	184.6
27.5°	6438.3	6372.8	6331.1	6229.8	6045.2	5890.3	5562.8	4842.1	3514.0	1274.6	208.5
30°	7427.0	7427.0	7349.5	7194.7	7016.0	6825.4	6491.9	5562.8	4216.7	1691.5	238.2
32.5°	8582.4	8606.2	8415.6	8183.3	7951.1	7820.0	7385.3	6378.7	4889.8	2167.9	274.0
35°	9702.1	9672.3	9356.7	9100.5	8927.8	8784.9	8415.6	7272.1	5652.1	2721.8	321.6
37.5°	10774.1	10696.7	10172.6	9809.3	9731.9	9636.6	9267.3	8165.5	6408.5	3335.3	381.2
40°	11542.5	11423.3	10881.4	10381.1	10267.9	10214.3	9928.4	8975.5	7206.6	4020.2	458.6
42.5°	11876.0	11739.0	11363.8	10958.8	10708.6	10583.6	10333.4	9636.6	8004.7	4782.6	571.8
45°	11941.5	11834.3	11566.3	11471.0	11131.5	10940.9	10601.4	10107.1	8749.2	5538.9	726.6
47.5°	11703.3	11655.6	11494.8	11697.3	11524.6	11262.5	10851.6	10458.5	9410.3	6456.1	941.0
50°	11119.6	11083.8	11161.3	11691.3	11810.5	11512.7	11125.5	10732.5	9982.0	7403.1	1244.8
52.5°	10333.4	10327.5	10690.8	11536.5	11935.5	11750.9	11393.6	11006.4	10434.7	8320.3	1673.6
55°	9475.8	9577.0	10214.3	11393.6	12007.0	11923.6	11655.6	11250.6	10839.7	9172.0	2364.5
57.5°	9404.3	9362.6	9976.1	11334.0	12048.7	12096.3	11917.7	11506.7	11185.1	9868.9	3287.6
60°	10119.0	10023.7	10256.0	11459.1	12233.3	12316.7	12179.7	11703.3	11530.5	10416.8	4502.6
62.5°	10946.9	10857.5	10976.6	11941.5	12596.6	12715.8	12543.0	11905.8	11810.5	10798.0	5807.0
65°	11608.0	11536.5	11762.8	12662.2	13102.9	13204.1	13085.0	12281.0	11935.5	11107.7	6867.1
67.5°	11715.2	11625.8	12096.3	13144.6	13615.1	13686.6	13591.3	12644.3	11893.8	11131.5	7111.3
70°	11411.4	11334.0	12007.0	13299.4	13835.5	13895.0	13591.3	12471.6	11328.0	10524.0	5812.9
72.5°	10476.4	10535.9	11405.5	12924.2	13531.7	13257.7	12614.5	11602.0	10595.5	8921.9	4079.8
75°	9023.1	9088.6	10244.1	11893.8	11941.5	11608.0	11262.5	10672.9	9481.7	5878.4	2829.0
77.5°	6414.5	6182.2	7909.4	9821.2	9648.5	9862.9	9892.7	8880.2	7939.2	3061.3	1894.0
80°	631.3	536.0	994.6	2817.1	6223.9	6956.4	7242.3	6843.3	5854.6	1369.8	994.6
82.5°	137.0	137.0	148.9	160.8	250.1	375.2	1721.2	4216.7	3782.0	696.8	321.6
85°	77.4	77.4	95.3	113.2	148.9	166.8	196.5	262.1	1018.5	250.1	59.6
87.5°	59.6	65.5	77.4	95.3	125.1	137.0	166.8	208.5	256.1	232.3	17.9
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	119.1	119.1	119.1	119.1	119.1	119.1	119.1	119.1	119.1	119.1	119.1
2.5°	125.1	119.1	113.2	107.2	101.2	101.2	95.3	95.3	95.3	95.3	95.3
5°	119.1	113.2	107.2	95.3	89.3	83.4	77.4	77.4	77.4	77.4	77.4
7.5°	119.1	113.2	101.2	89.3	77.4	71.5	65.5	59.6	59.6	65.5	65.5
10°	119.1	107.2	89.3	77.4	65.5	59.6	53.6	47.6	47.6	47.6	47.6
12.5°	113.2	101.2	83.4	71.5	59.6	47.6	35.7	29.8	29.8	29.8	29.8
15°	107.2	95.3	77.4	59.6	41.7	29.8	23.8	17.9	17.9	17.9	17.9
17.5°	107.2	89.3	71.5	53.6	29.8	17.9	11.9	6.0	6.0	6.0	11.9
20°	107.2	89.3	65.5	41.7	17.9	11.9	11.9	6.0	0.0	6.0	6.0
22.5°	107.2	83.4	53.6	29.8	17.9	11.9	6.0	0.0	0.0	0.0	0.0
25°	113.2	83.4	47.6	23.8	11.9	6.0	0.0	0.0	0.0	0.0	0.0
27.5°	113.2	77.4	41.7	17.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	119.1	77.4	35.7	11.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	119.1	71.5	23.8	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	119.1	65.5	17.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	119.1	59.6	17.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	125.1	53.6	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	131.0	47.6	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	137.0	41.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	154.9	41.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	178.7	41.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	214.4	41.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	279.9	35.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	405.0	35.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	679.0	35.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1191.2	35.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2013.1	35.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2626.5	41.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1995.2	35.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	952.9	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	422.9	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	184.6	17.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	71.5	11.9	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0
82.5°	29.8	11.9	6.0	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0
85°	17.9	11.9	11.9	11.9	6.0	6.0	6.0	0.0	0.0	0.0	0.0
87.5°	11.9	11.9	11.9	11.9	11.9	6.0	6.0	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

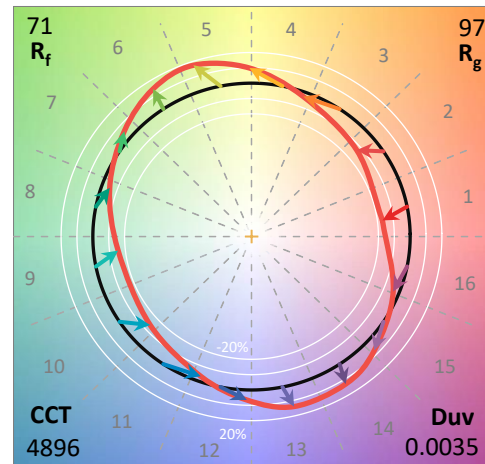
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

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

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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

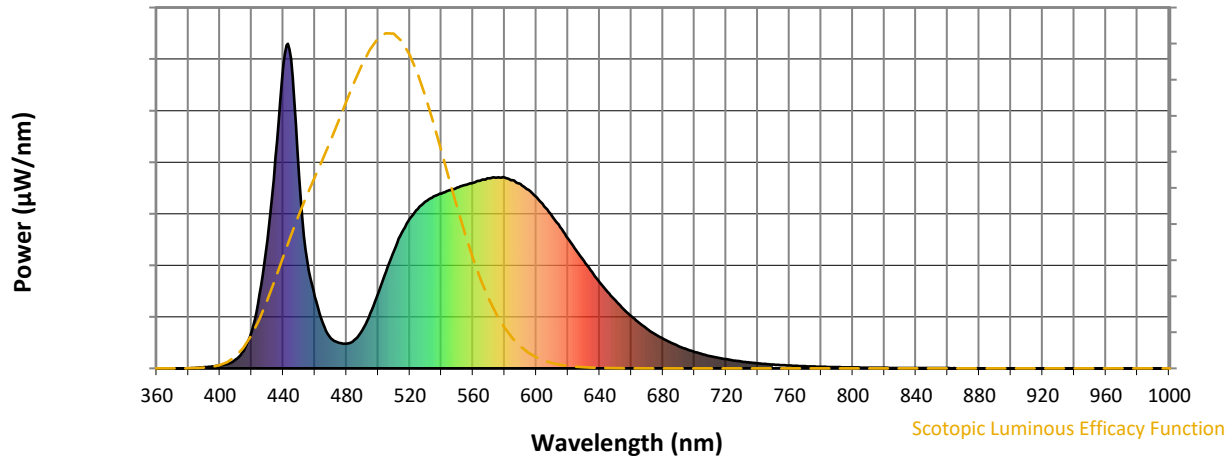


Photopic Lumens: NR

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



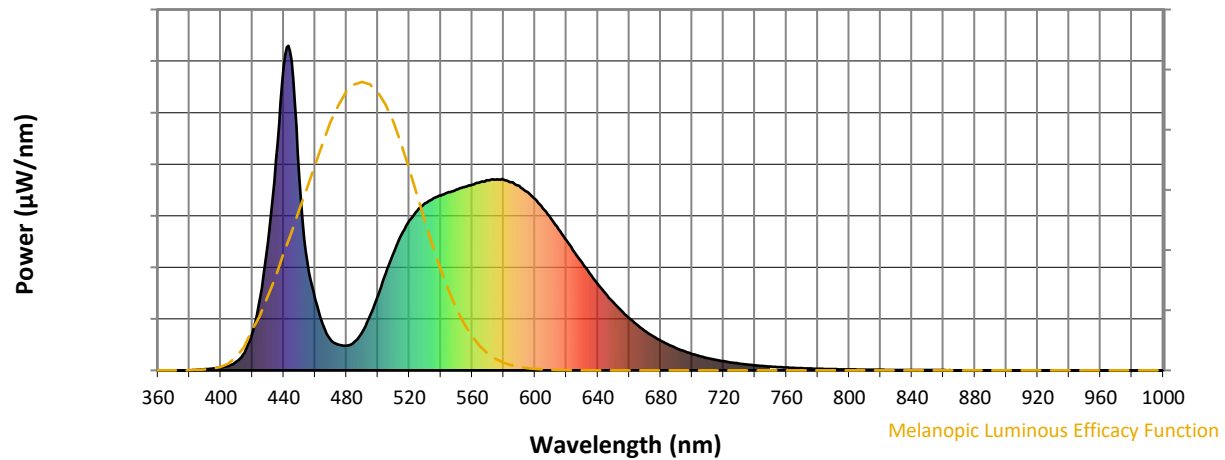
Scotopic Lumens: NR

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

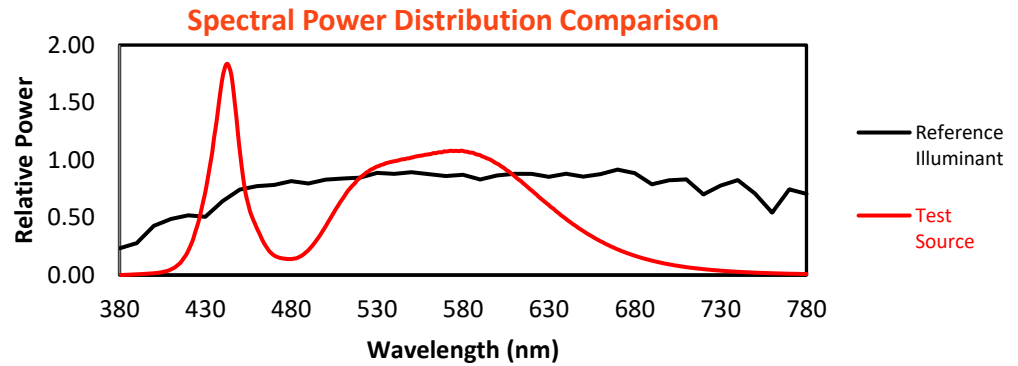
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118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

REPORT NUMBER: SP1-2407-184-6

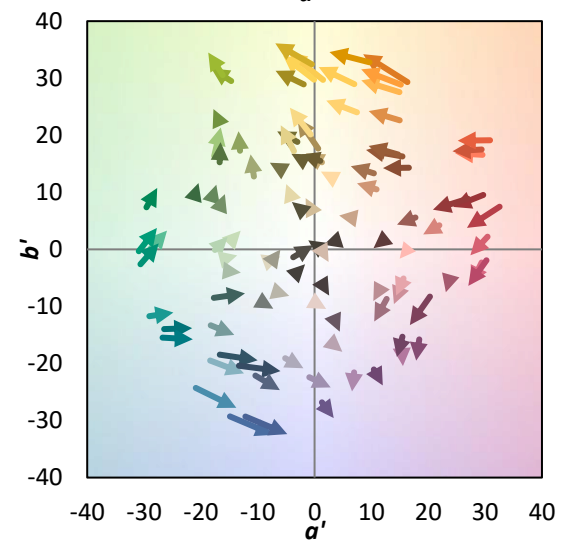
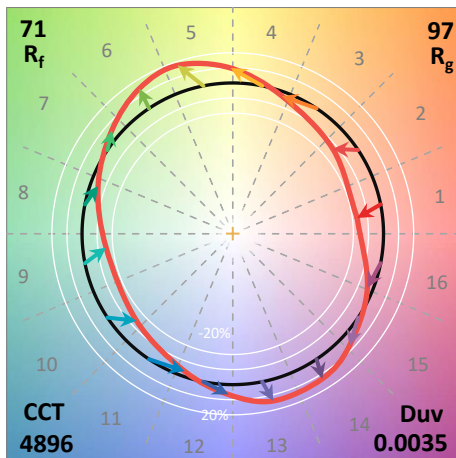
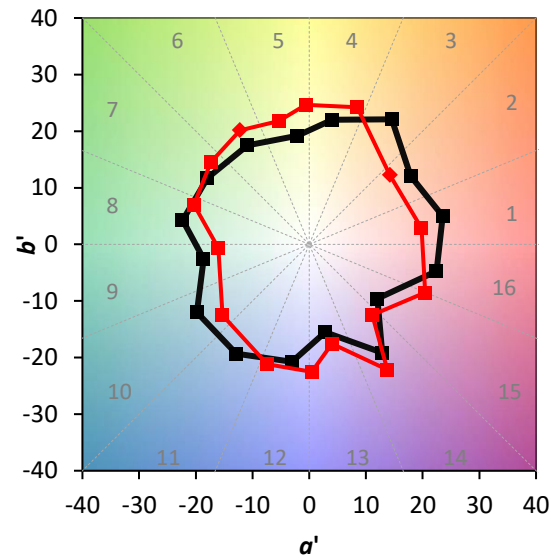
TM-30-18

Summary

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

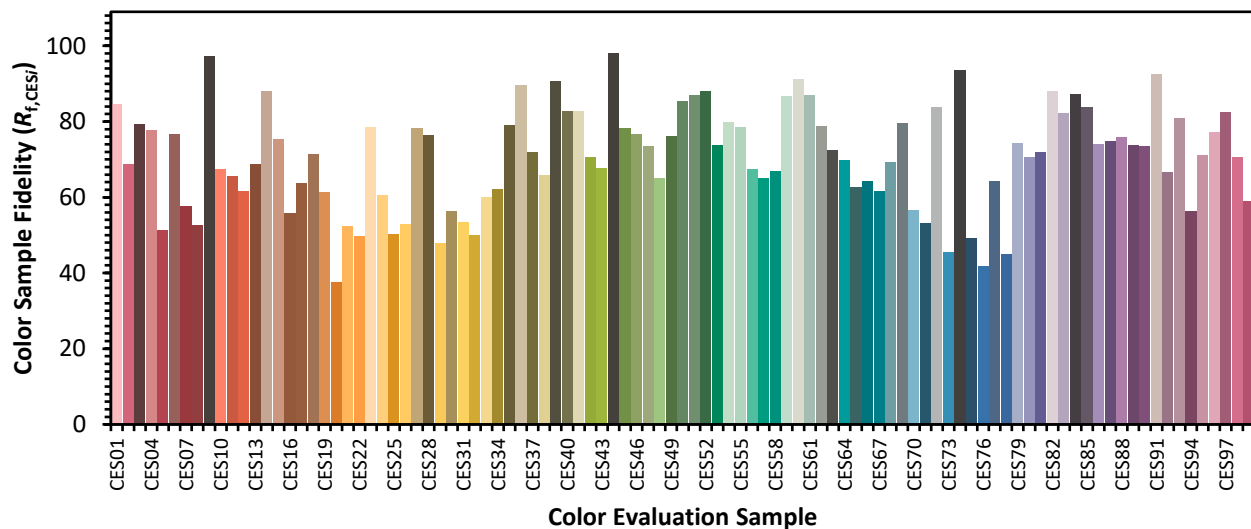


Color Vector Graphics

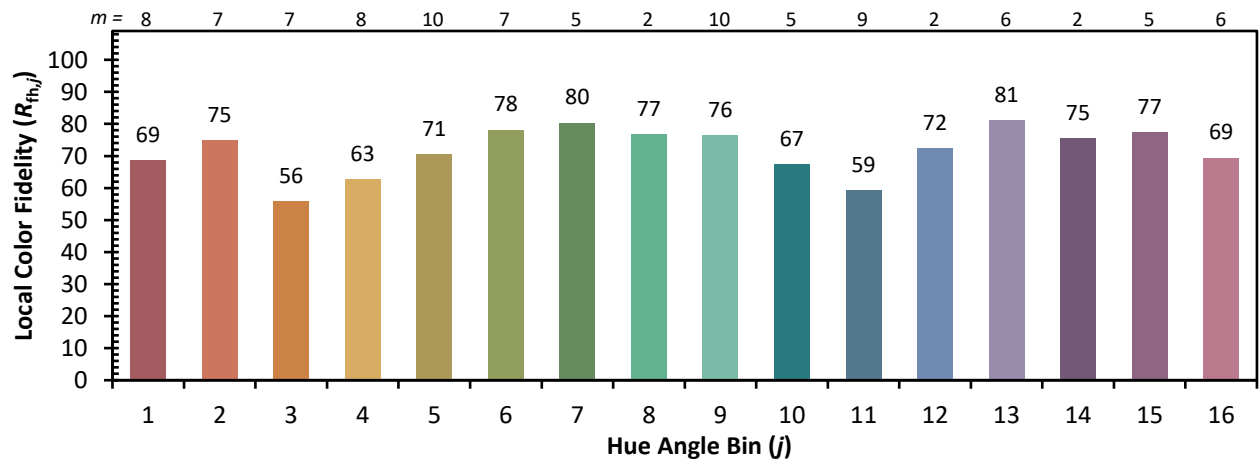
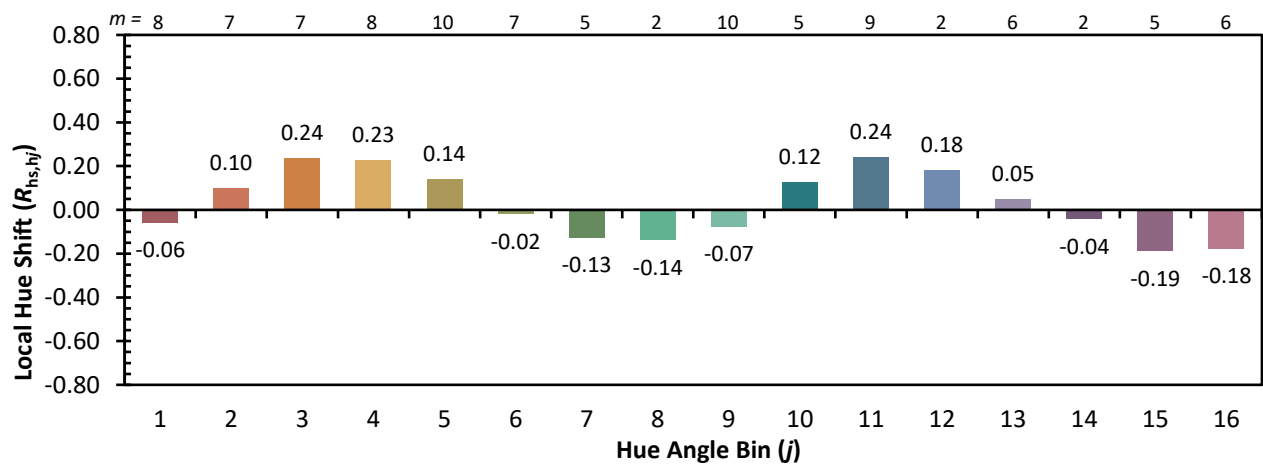
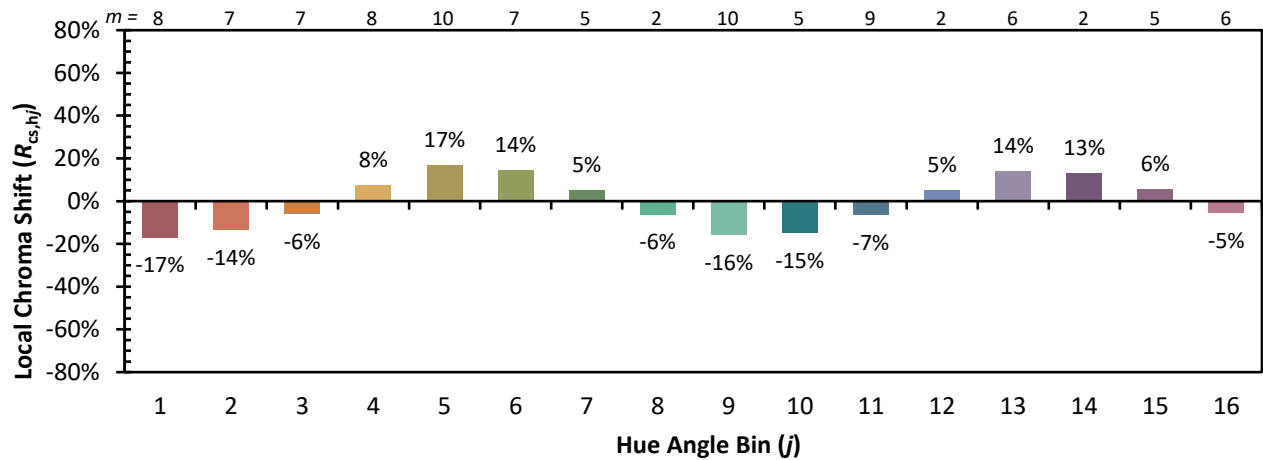


Individual Sample Fidelity Index ($R_{f,i}$)

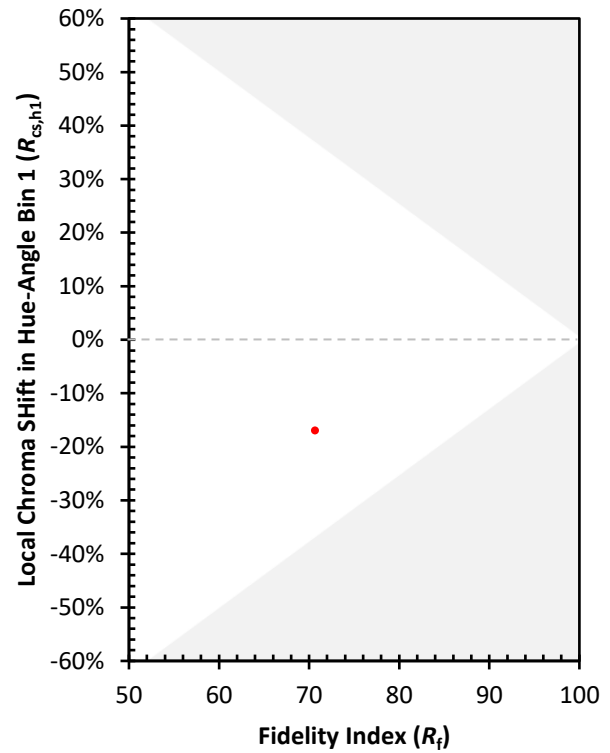
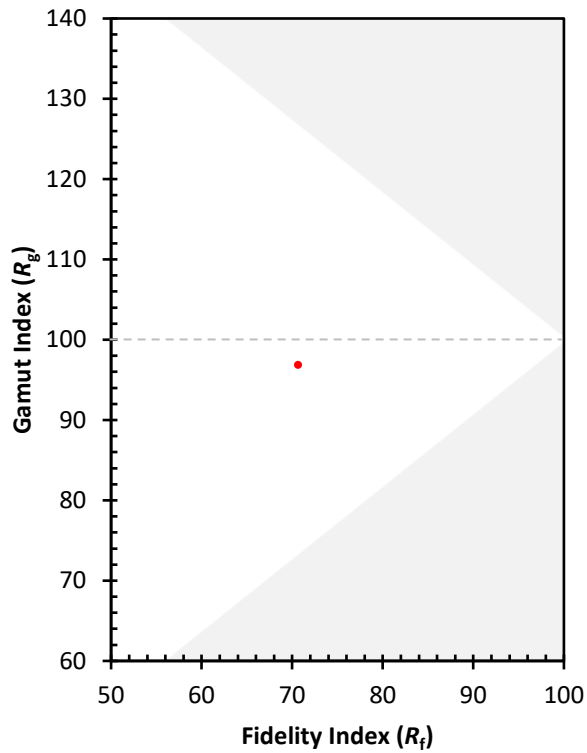
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82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