

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: P1064245

Luminaire Tested: **GLAN-SA4A-840-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1064245
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4A-840-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13463.3 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107.4
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



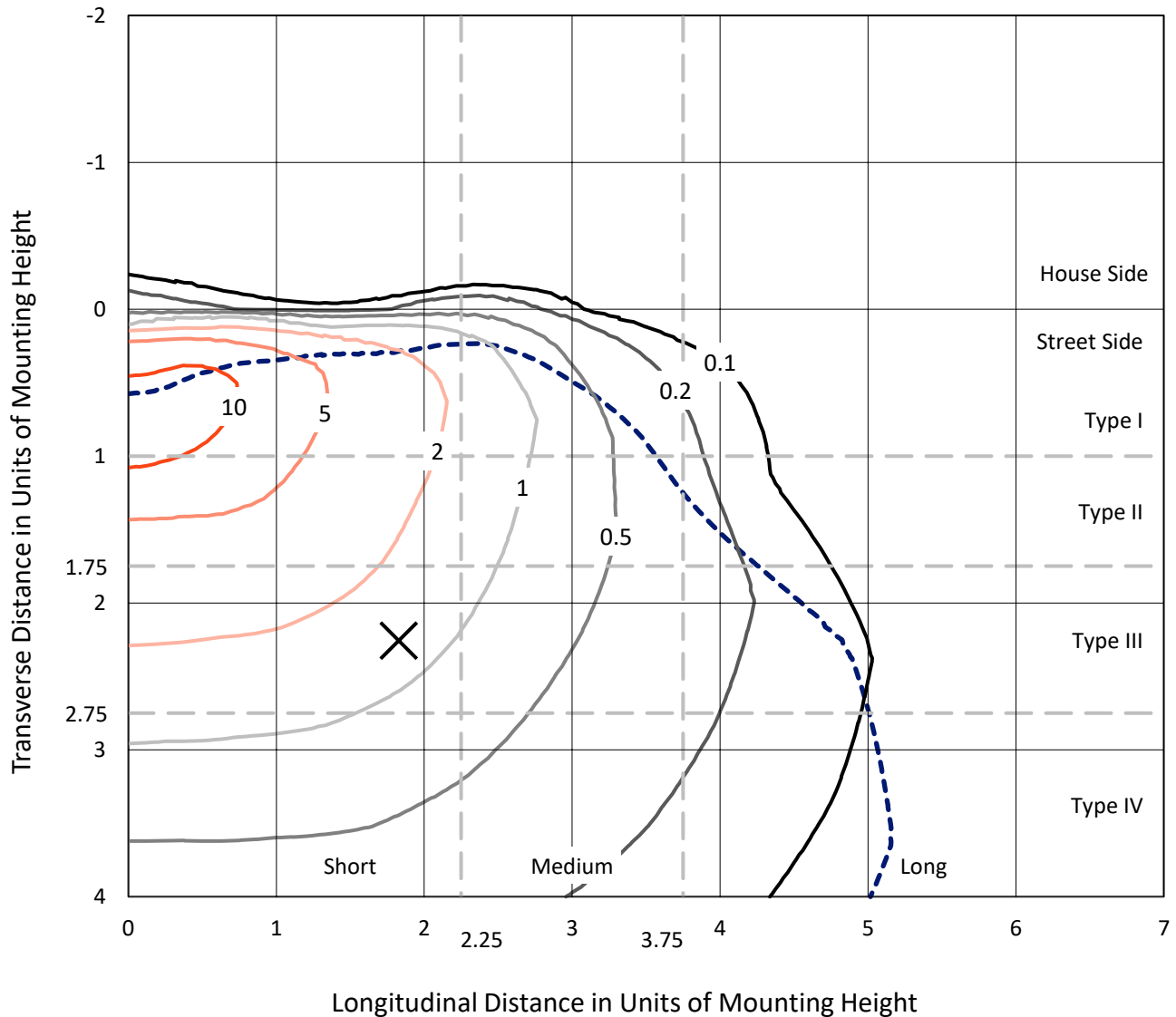
REPORT NUMBER: P1064245

CATALOG NUMBER: GLAN-SA4A-840-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

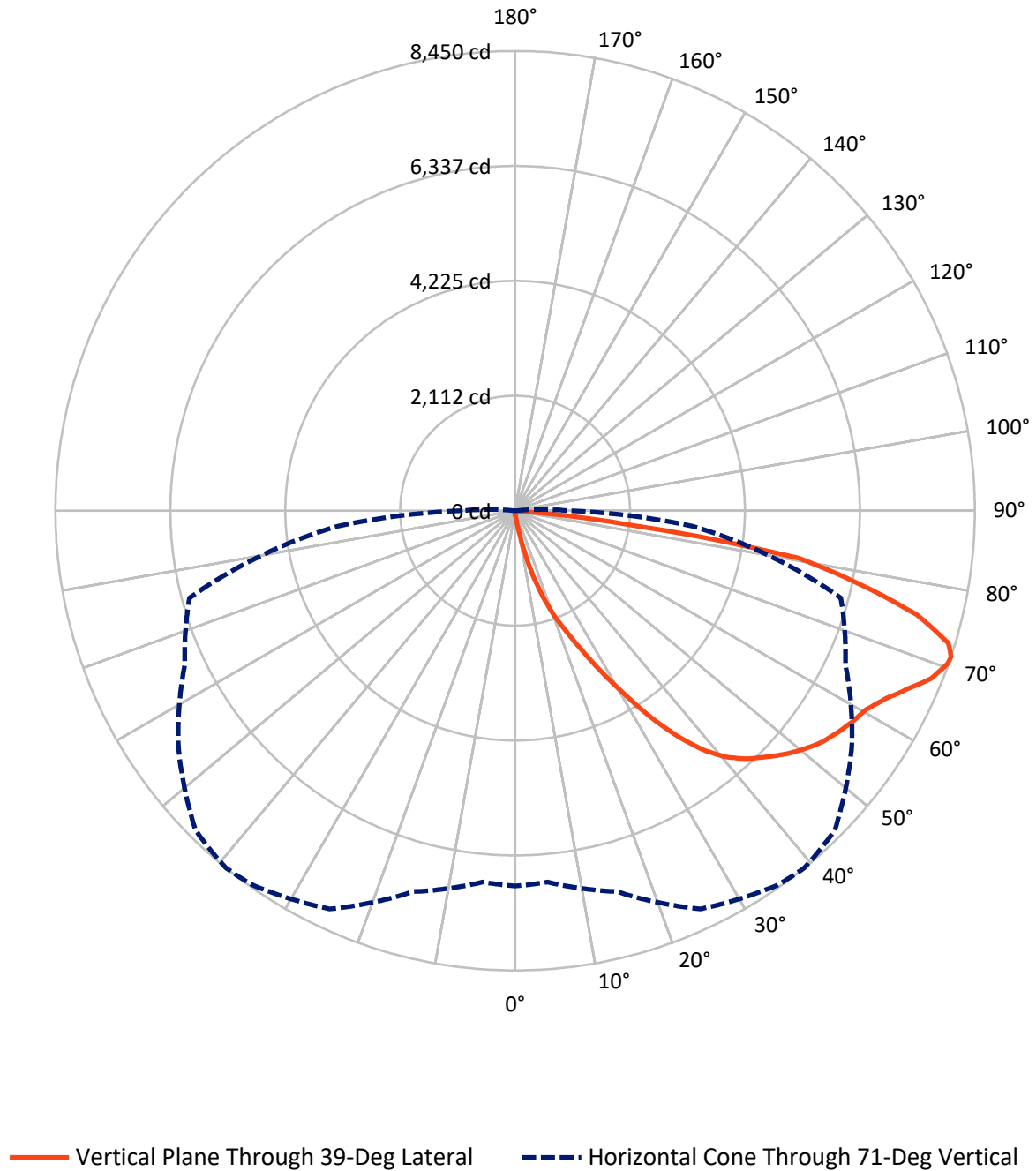


Based on 15 foot mounting height. Maximum calculated value = 13.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P1064245

CATALOG NUMBER: GLAN-SA4A-840-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1064245

CATALOG NUMBER: GLAN-SA4A-840-U-T4BC

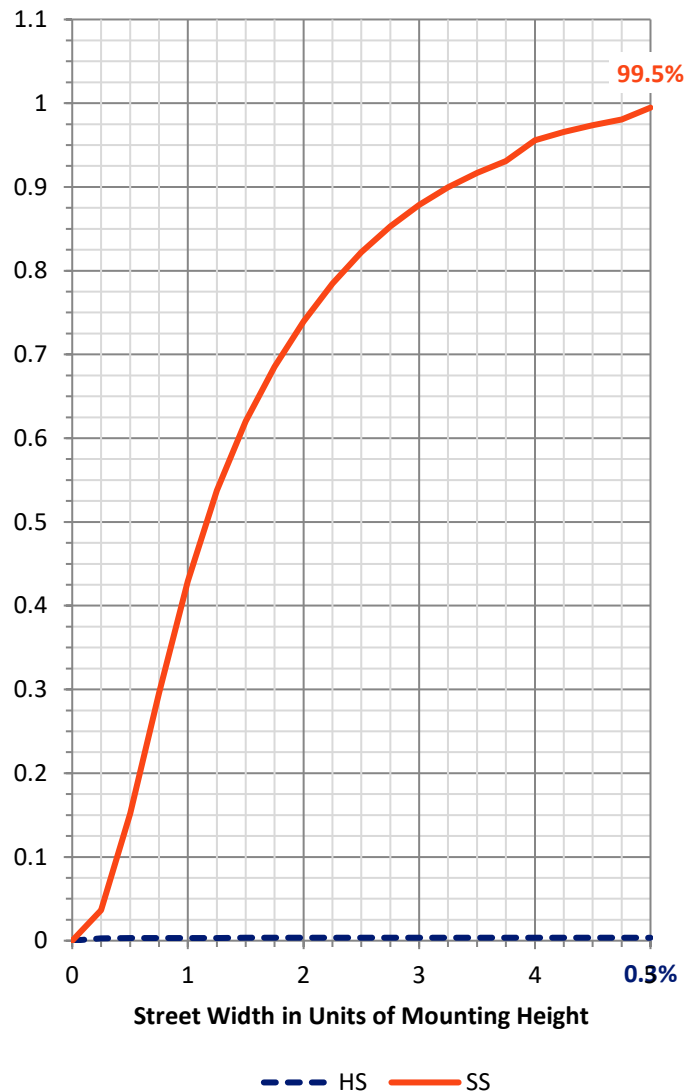
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	47.8	0.0	47.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13415.5	0.0	13415.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	13463.3	0.0	13463.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.1
10°-20°	143.9	1.1
20°-30°	512.4	3.8
30°-40°	1235.0	9.2
40°-50°	2066.9	15.4
50°-60°	2654.7	19.7
60°-70°	3359.6	25.0
70°-80°	2995.2	22.2
80°-90°	484.2	3.6
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°	13463.3	100.0
0°-180°	13463.3	100.0



REPORT NUMBER: P1064245

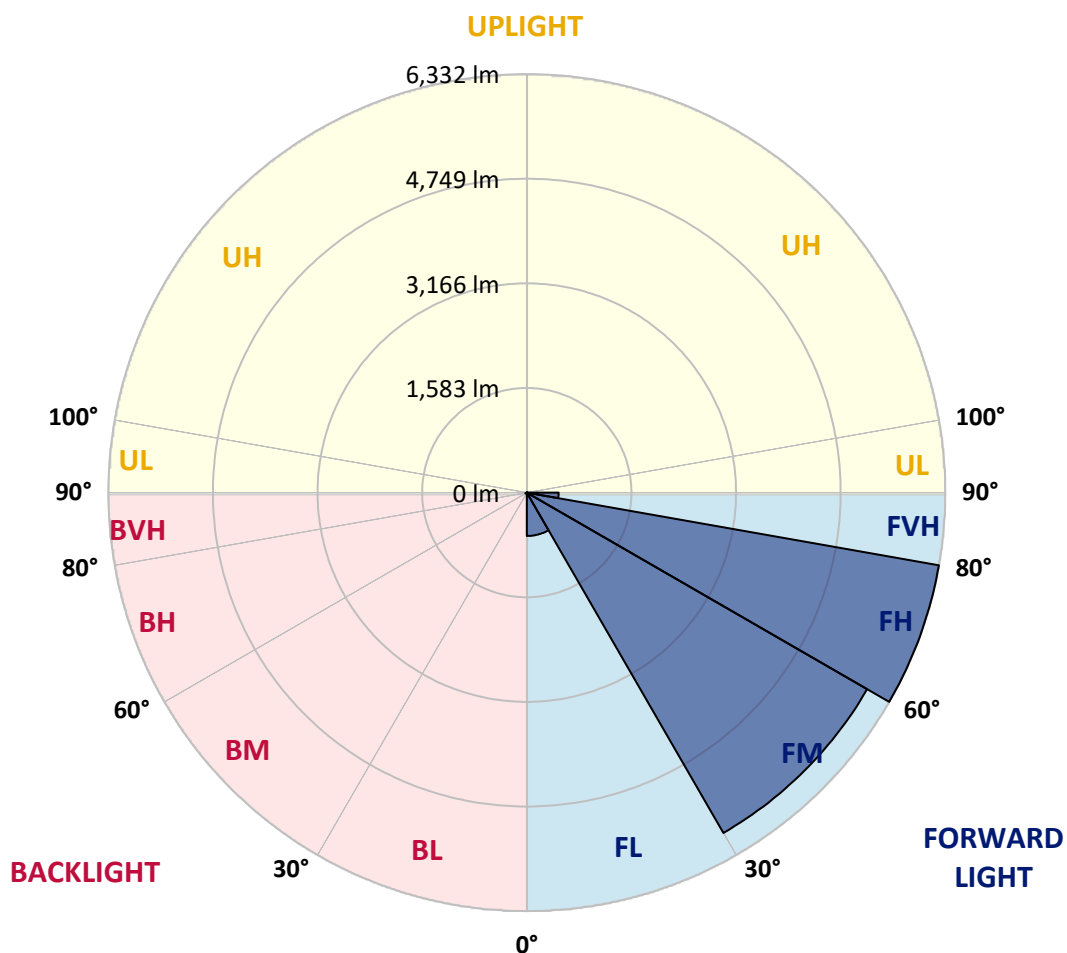
CATALOG NUMBER: GLAN-SA4A-840-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	656.0	4.9			
FM	(30°-60°)	5945.7	44.2			
FH	(60°-80°)	6331.8	47.0			G3/7500
FVH	(80°-90°)	482.0	3.6			G3/500
BL	(0°-30°)	11.6	0.1	B0/110		
BM	(30°-60°)	11.1	0.1	B0/220		
BH	(60°-80°)	23.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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 IV Short



REPORT NUMBER: P1064245

CATALOG NUMBER: GLAN-SA4A-840-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	84.8	84.8	84.8	82.0	82.0	81.1	80.2	80.2	78.4	77.5	75.6
5°	128.5	125.8	119.4	115.7	108.5	103.9	99.3	93.0	86.6	82.0	76.6
7.5°	290.7	297.1	276.2	237.0	196.9	179.5	150.4	121.2	100.3	86.6	77.5
10°	741.0	737.3	666.2	587.8	453.9	400.1	313.5	197.8	129.4	94.8	78.4
12.5°	1260.5	1256.8	1173.0	1066.3	889.5	777.4	613.4	369.1	185.9	107.5	78.4
15°	1697.0	1682.4	1656.0	1550.3	1343.4	1249.5	1032.6	652.6	300.8	129.4	80.2
17.5°	1985.9	1973.2	1948.6	1910.3	1779.0	1667.8	1493.8	1025.3	486.7	167.7	83.8
20°	2251.1	2242.0	2222.0	2214.7	2129.9	2070.7	1926.7	1453.7	758.3	227.8	89.3
22.5°	2615.7	2596.6	2604.8	2561.0	2478.1	2407.0	2318.6	1902.1	1090.0	328.1	99.3
25°	3062.3	3053.2	3030.4	2999.4	2884.6	2822.6	2686.8	2325.0	1461.0	459.3	110.3
27.5°	3601.8	3591.8	3586.3	3515.2	3383.1	3315.6	3126.1	2724.2	1878.4	643.4	124.9
30°	4223.4	4228.0	4192.4	4101.3	3947.2	3852.5	3657.4	3142.5	2305.8	859.4	140.4
32.5°	4866.8	4857.7	4803.0	4695.5	4557.9	4469.5	4221.6	3600.9	2754.2	1144.7	158.6
35°	5560.4	5543.1	5399.1	5276.1	5158.5	5047.3	4821.3	4133.2	3202.6	1464.6	183.2
37.5°	6260.4	6179.2	5890.3	5734.5	5653.4	5562.2	5351.7	4701.0	3648.3	1821.9	213.3
40°	6789.0	6726.1	6383.4	6096.3	6031.6	5954.1	5797.4	5191.3	4122.2	2205.6	249.7
42.5°	7081.5	7046.9	6738.8	6455.4	6303.2	6234.8	6100.9	5619.7	4590.7	2629.4	302.6
45°	7206.4	7152.6	6946.6	6814.5	6572.1	6459.0	6299.6	5943.2	5080.1	3110.6	376.4
47.5°	7168.1	7137.1	6989.5	7037.8	6861.9	6686.0	6451.8	6191.1	5498.4	3662.9	477.6
50°	6927.5	6901.1	6855.5	7117.1	7095.2	6887.4	6648.6	6387.0	5840.2	4232.5	634.3
52.5°	6470.0	6459.0	6575.7	7055.1	7227.3	7065.1	6838.2	6560.2	6159.2	4827.7	858.5
55°	5880.3	5925.0	6258.5	6958.5	7294.8	7196.4	7005.9	6722.4	6415.3	5359.9	1189.4
57.5°	5637.9	5649.7	6066.2	6890.1	7324.9	7312.1	7169.0	6877.4	6650.4	5785.5	1694.3
60°	5921.3	5903.1	6122.7	6942.1	7385.0	7416.0	7313.9	7021.4	6854.6	6151.0	2366.9
62.5°	6433.5	6423.5	6493.7	7163.6	7560.9	7623.8	7515.3	7125.3	7035.0	6391.6	3134.3
65°	6891.0	6870.1	7000.4	7556.4	7869.9	7914.5	7819.8	7303.0	7114.3	6566.6	3855.2
67.5°	7088.8	7084.3	7293.9	7930.0	8194.3	8242.6	8159.7	7548.2	7096.1	6622.2	4173.3
70°	6998.6	6981.3	7316.7	8088.6	8377.5	8432.2	8352.0	7639.3	6898.3	6446.3	3702.1
71°	6899.2	6852.8	7248.3	8077.7	8403.0	8449.5	8309.2	7556.4	6699.7	6196.6	3274.6
72.5°	6591.2	6599.4	7060.6	7963.8	8342.0	8328.3	8066.7	7259.2	6460.0	5629.7	2630.3
75°	5832.9	5881.2	6452.7	7485.3	7797.0	7622.9	7222.8	6691.4	5978.7	4036.6	1826.4
77.5°	4766.6	4838.6	5466.5	6564.8	6476.4	6459.0	6442.6	5895.8	5105.6	2168.2	1270.5
80°	2275.7	2431.6	3297.4	4686.4	5091.0	5287.0	5164.0	4751.1	3948.2	1032.6	759.2
82.5°	148.6	146.7	207.8	393.7	1659.6	2145.4	3408.6	3395.9	2752.4	503.1	309.9
85°	70.2	72.0	79.3	90.2	104.8	114.8	158.6	929.6	1317.0	239.7	67.4
87.5°	41.0	41.9	49.2	62.9	82.0	91.1	108.5	139.4	171.3	132.2	14.6
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: P1064245

CATALOG NUMBER: GLAN-SA4A-840-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	74.7	73.8	71.1	68.4	65.6	63.8	62.9	63.8	63.8	64.7	64.7
5°	74.7	72.0	67.4	62.0	58.3	54.7	52.9	51.9	52.9	52.9	52.9
7.5°	73.8	69.3	62.9	56.5	51.9	47.4	45.6	44.7	44.7	45.6	45.6
10°	72.0	67.4	59.2	51.9	46.5	41.0	38.3	35.5	35.5	35.5	36.5
12.5°	71.1	64.7	54.7	47.4	40.1	33.7	28.3	25.5	26.4	26.4	26.4
15°	69.3	62.0	51.9	42.8	33.7	25.5	21.0	18.2	19.1	20.1	19.1
17.5°	69.3	61.1	48.3	37.4	26.4	19.1	15.5	13.7	13.7	14.6	14.6
20°	69.3	59.2	45.6	31.9	20.1	14.6	10.9	10.0	10.0	11.8	12.8
22.5°	71.1	59.2	41.9	26.4	16.4	10.9	8.2	7.3	8.2	10.0	10.9
25°	73.8	58.3	38.3	23.7	13.7	8.2	6.4	4.6	5.5	7.3	8.2
27.5°	76.6	57.4	34.6	21.0	10.9	6.4	4.6	3.6	2.7	3.6	3.6
30°	79.3	57.4	31.0	17.3	9.1	4.6	2.7	1.8	0.9	0.0	0.0
32.5°	81.1	55.6	28.3	13.7	7.3	3.6	1.8	0.9	0.0	0.0	0.0
35°	82.9	53.8	24.6	10.9	5.5	2.7	0.9	0.0	0.0	0.0	0.0
37.5°	84.8	51.0	21.0	9.1	4.6	1.8	0.0	0.0	0.0	0.0	0.0
40°	86.6	47.4	17.3	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	88.4	44.7	14.6	6.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	93.0	42.8	11.8	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	101.2	41.0	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	113.0	39.2	10.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	129.4	38.3	9.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	158.6	37.4	8.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	208.7	36.5	8.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	319.9	34.6	8.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	571.4	33.7	7.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	996.2	34.6	7.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1428.2	36.5	6.4	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	1222.2	31.9	6.4	3.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0
71°	996.2	28.3	6.4	3.6	1.8	0.9	0.9	0.0	0.0	0.0	0.0
72.5°	640.7	21.9	5.5	3.6	1.8	1.8	0.9	0.0	0.0	0.0	0.0
75°	270.7	18.2	5.5	3.6	2.7	1.8	1.8	0.9	0.0	0.0	0.0
77.5°	115.7	13.7	5.5	4.6	3.6	2.7	2.7	1.8	0.9	0.0	0.0
80°	43.7	10.9	6.4	5.5	4.6	4.6	3.6	1.8	0.9	0.0	0.0
82.5°	20.1	9.1	6.4	5.5	5.5	4.6	3.6	2.7	1.8	0.0	0.0
85°	12.8	8.2	6.4	5.5	5.5	4.6	4.6	2.7	1.8	0.0	0.0
87.5°	10.0	8.2	6.4	6.4	5.5	5.5	3.6	2.7	0.9	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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 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-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3897
 CIE u' : 0.2249
 CIE v' : 0.5084
 Duv: 0.0039
 CIE x: 0.3882
 CIE y: 0.3900
 CIE z: 0.2218
 Peak Wavelength (nm): 445
 Dominant Wavelength (nm): 577
 Purity: 33.54925
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



Test Conditions

Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

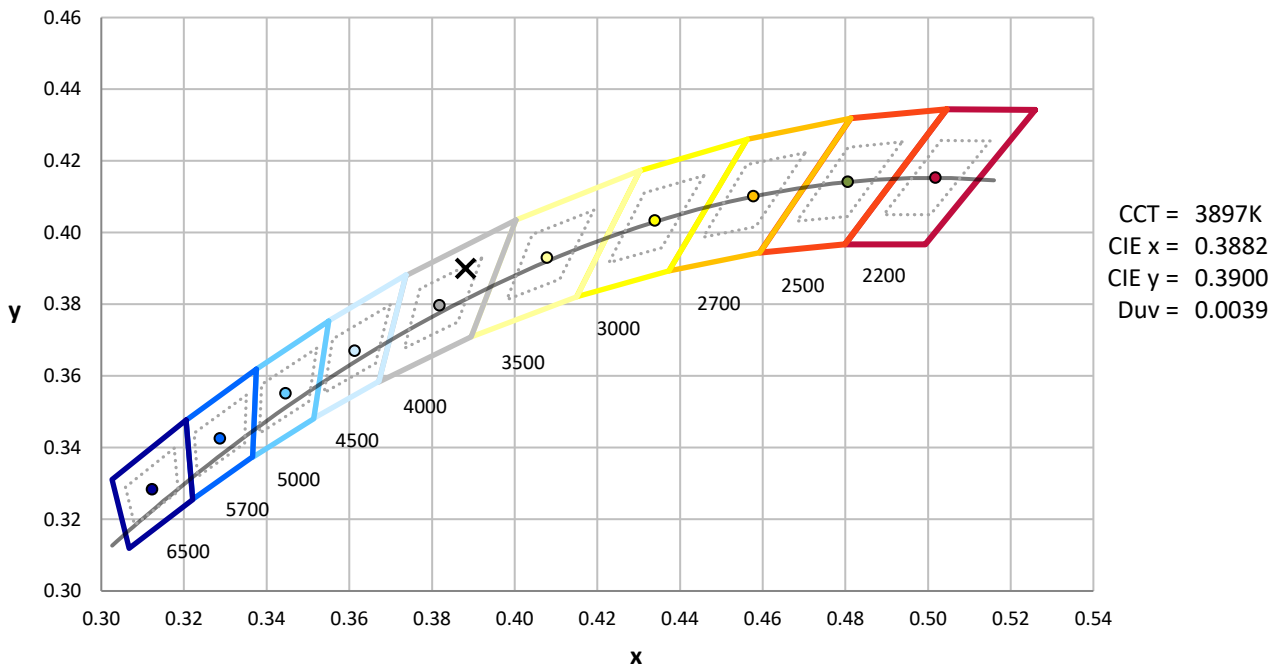
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

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: SP1-2407-184-11

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.57

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.06

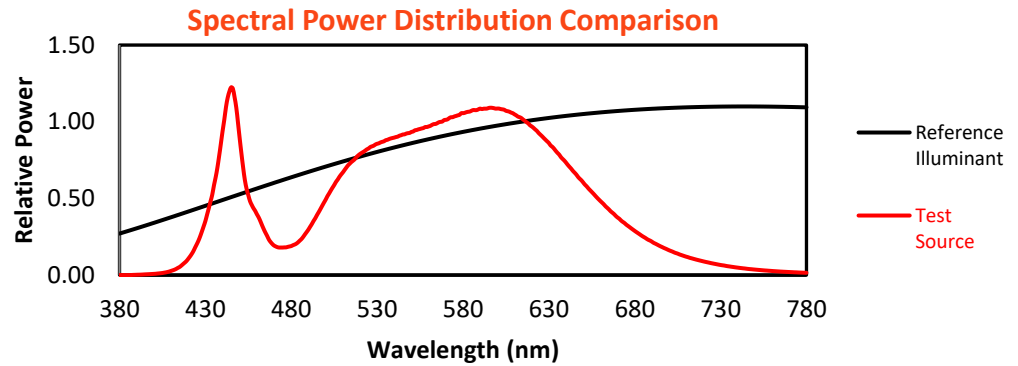
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

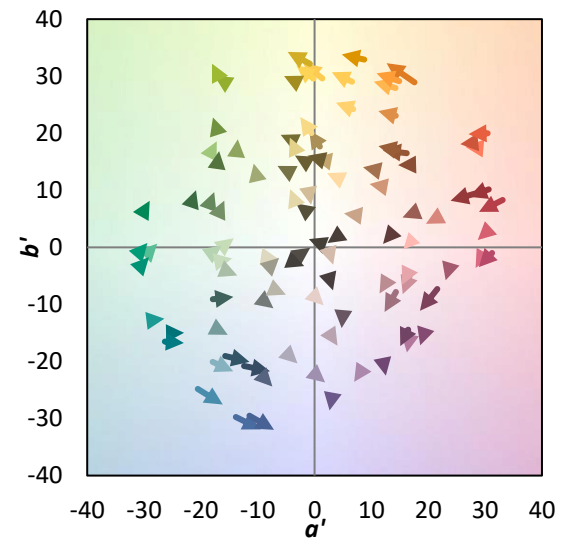
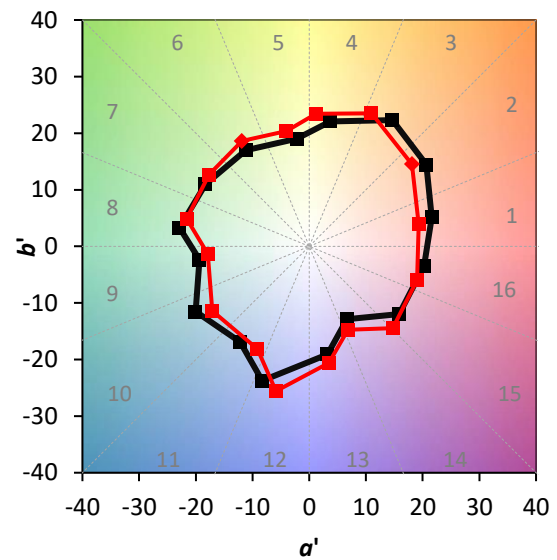
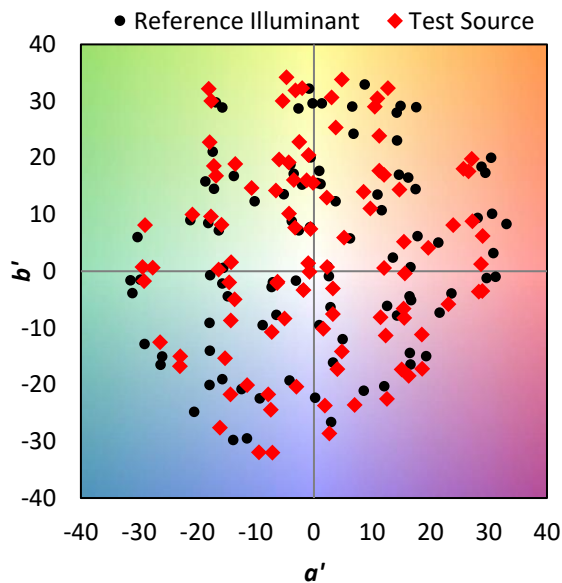
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 CIE $R_a = 80.2$
 $R_9 = 6.7$



Color Vector Graphics

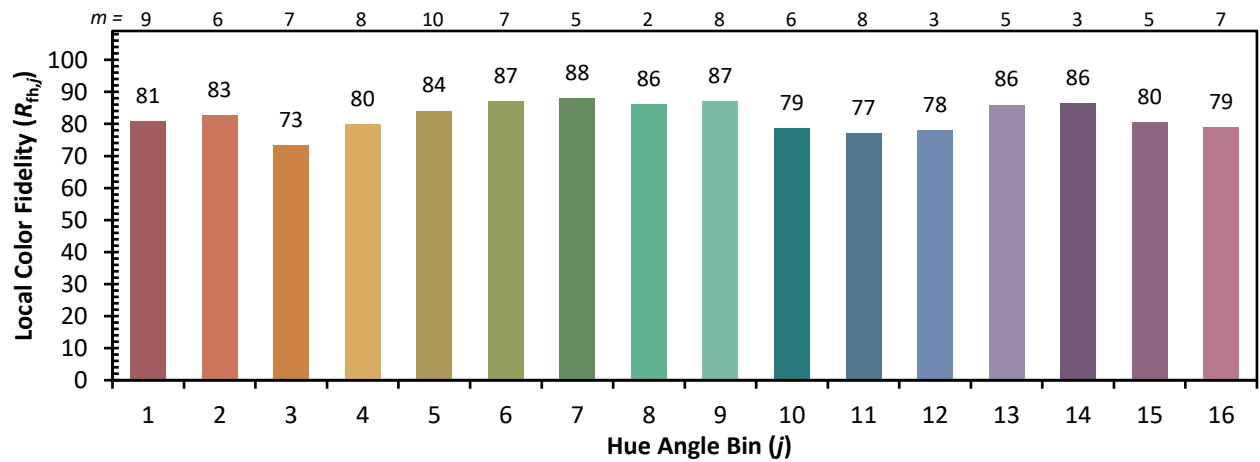
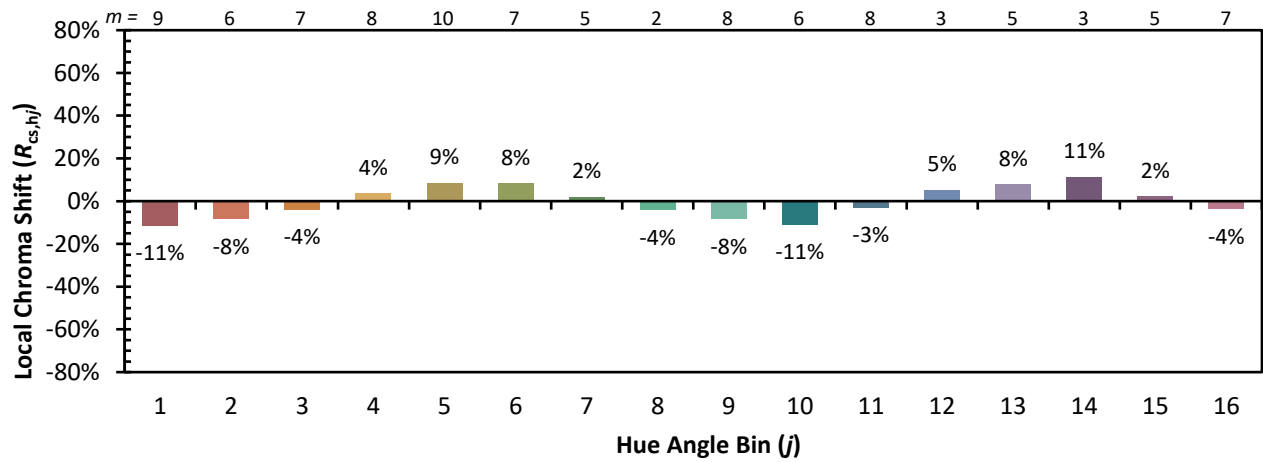


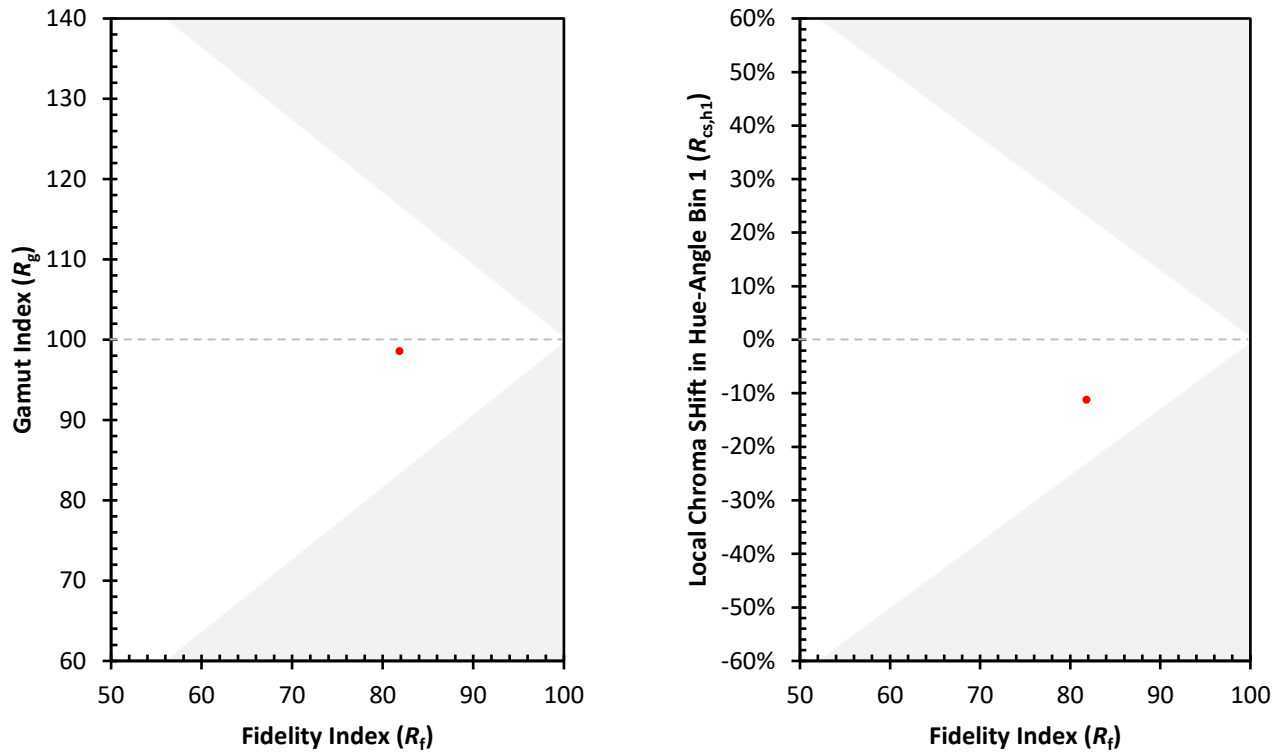
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)