

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: McGRAW-EDISON

Report Number: P1048626

Luminaire Tested: **GALN-SA8B-840-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048626
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8B-840-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 8xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (112) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33014.9 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 282.8
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

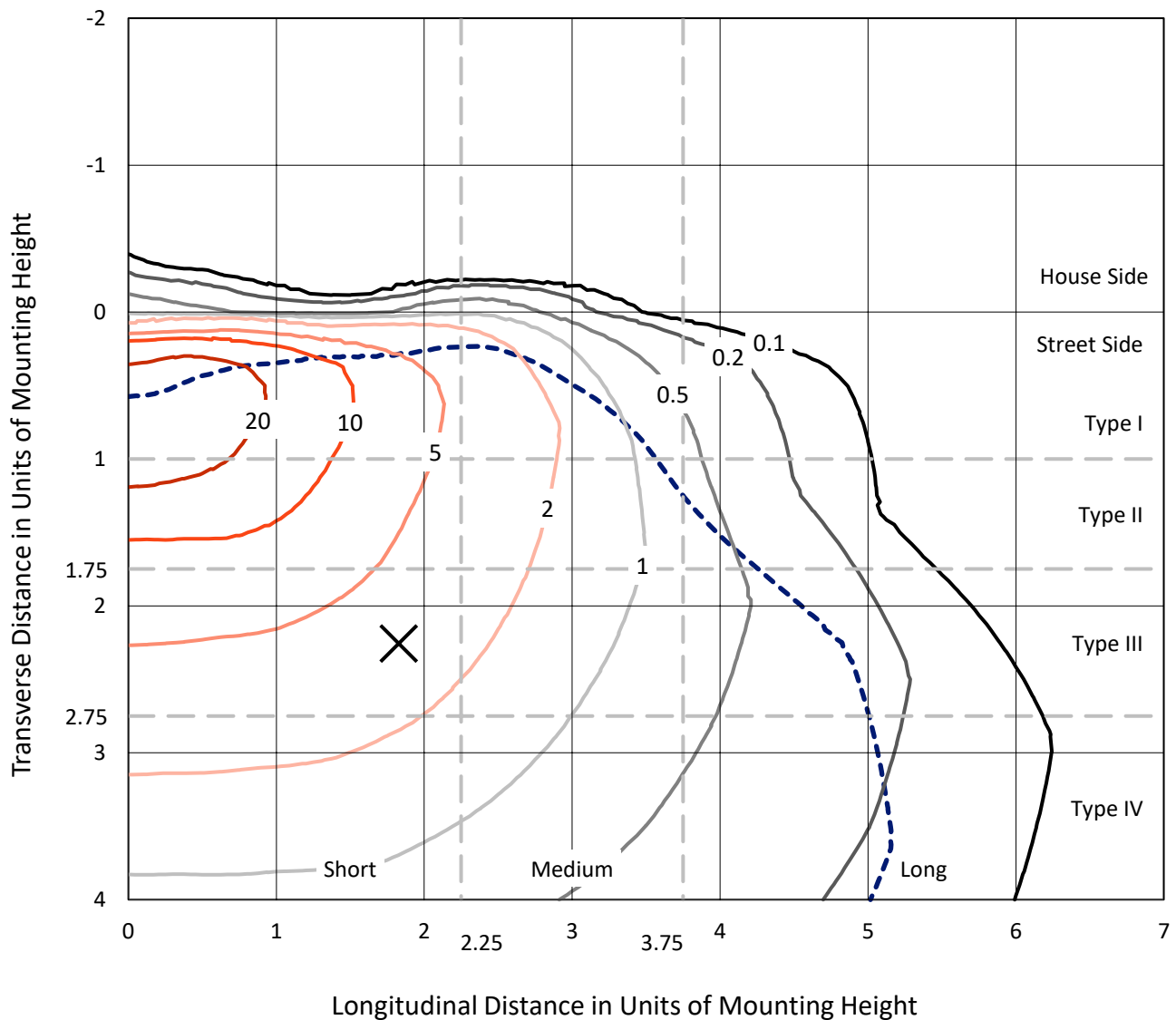


REPORT NUMBER: P1048626

CATALOG NUMBER: GALN-SA8B-840-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

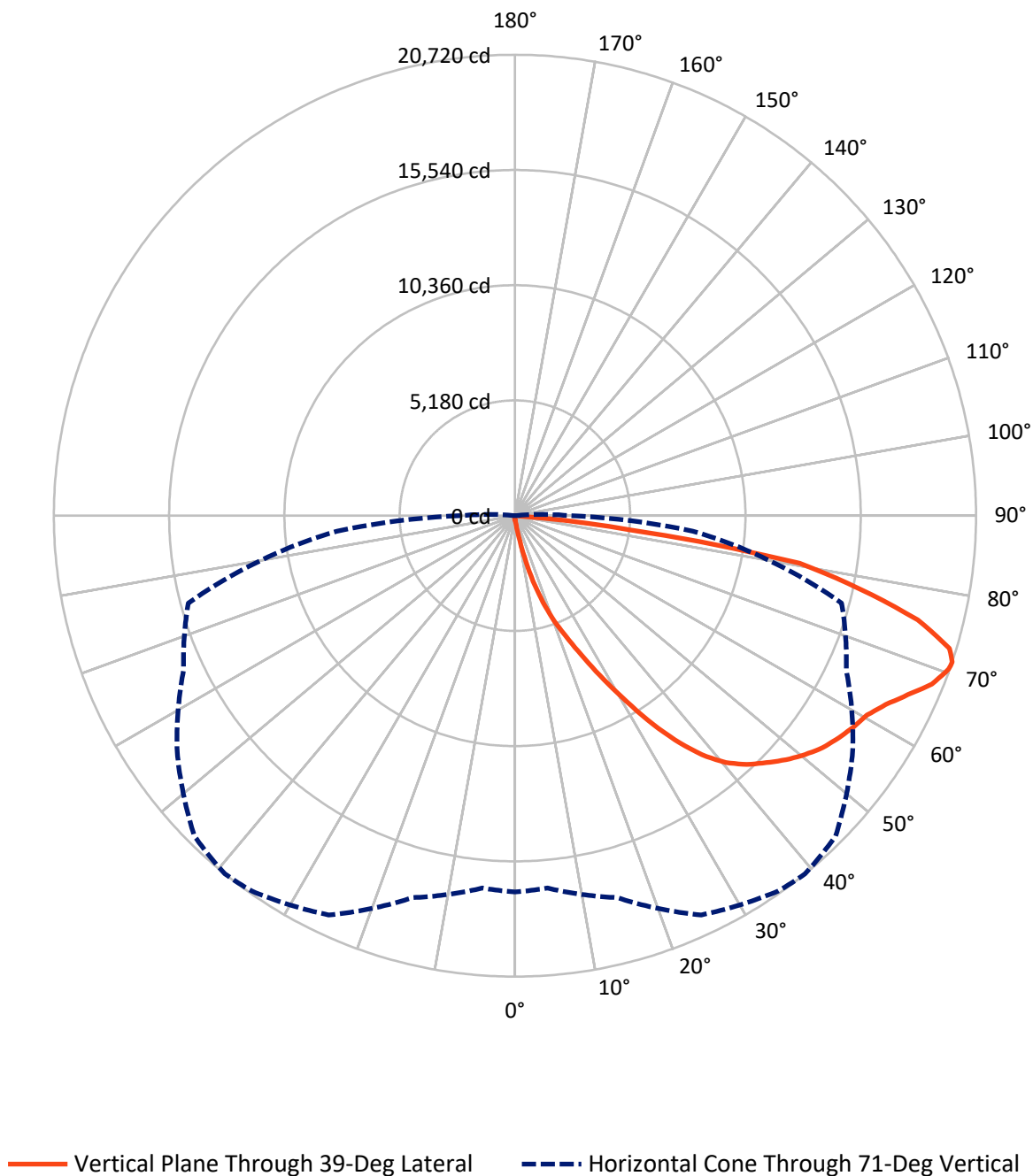


Based on 15 foot mounting height. Maximum calculated value = 33.9 fc
Type IV - Short - N/A

REPORT NUMBER: P1048626

CATALOG NUMBER: GALN-SA8B-840-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048626

CATALOG NUMBER: GALN-SA8B-840-U-T4BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	117.3	0.0	117.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	32897.6	0.0	32897.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	33014.9	0.0	33014.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	0.1
10°-20°	352.9	1.1
20°-30°	1256.6	3.8
30°-40°	3028.6	9.2
40°-50°	5068.6	15.4
50°-60°	6510.0	19.7
60°-70°	8238.4	25.0
70°-80°	7344.9	22.2
80°-90°	1187.3	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°	33014.9	100.0
0°-180°	33014.9	100.0



REPORT NUMBER: P1048626

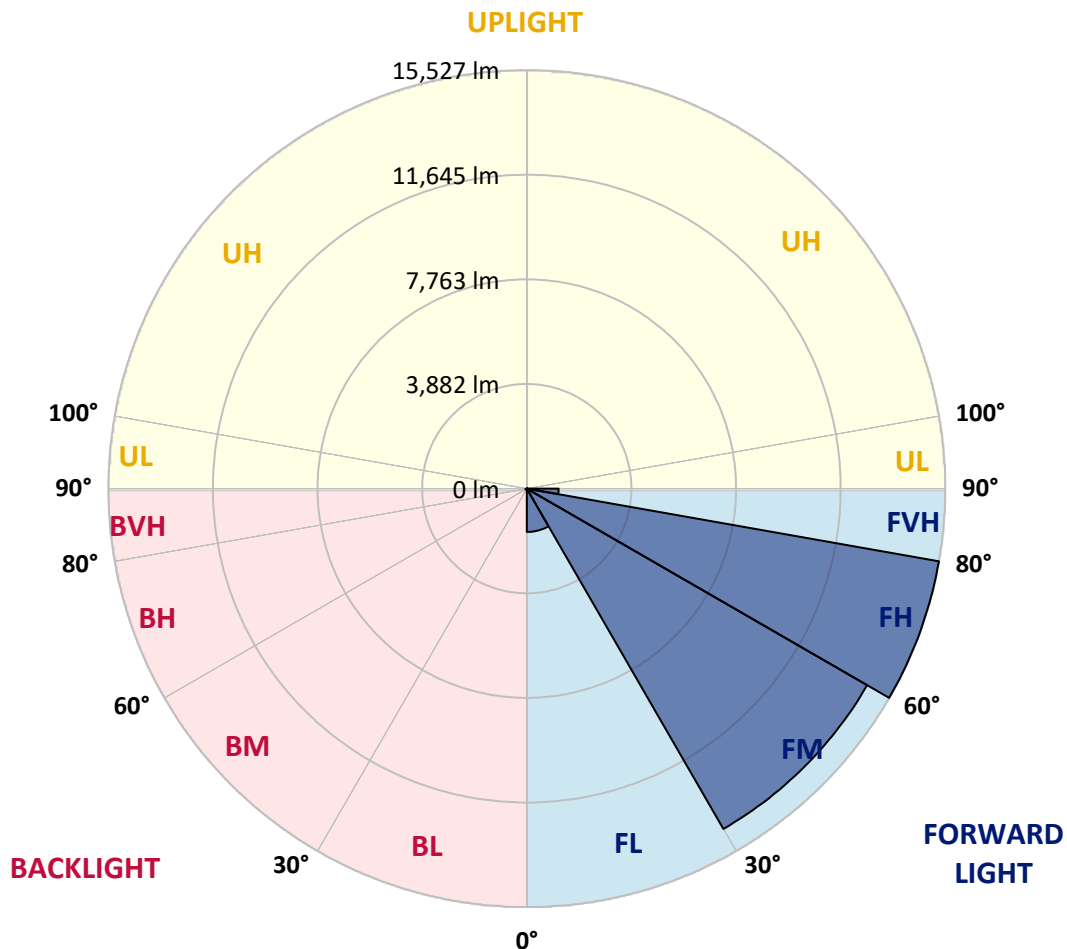
CATALOG NUMBER: GALN-SA8B-840-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1608.7	4.9			
FM	(30°-60°)	14580.0	44.2			
FH	(60°-80°)	15526.9	47.0			G5
FVH	(80°-90°)	1181.9	3.6			G5
BL	(0°-30°)	28.4	0.1	B0/110		
BM	(30°-60°)	27.2	0.1	B0/220		
BH	(60°-80°)	56.4	0.2	B0/110		G0/110
BVH	(80°-90°)	5.4	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-G5

Type IV Short



REPORT NUMBER: P1048626

CATALOG NUMBER: GALN-SA8B-840-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0
2.5°	207.8	207.8	207.8	201.1	201.1	198.9	196.7	196.7	192.2	190.0	185.5
5°	315.1	308.4	292.8	283.8	266.0	254.8	243.6	228.0	212.3	201.1	187.7
7.5°	712.9	728.6	677.2	581.1	482.7	440.3	368.8	297.2	245.8	212.3	190.0
10°	1817.0	1808.1	1633.7	1441.5	1113.0	981.1	768.8	485.0	317.4	232.4	192.2
12.5°	3090.9	3082.0	2876.4	2614.9	2181.3	1906.4	1504.1	905.1	455.9	263.7	192.2
15°	4161.4	4125.7	4060.9	3801.6	3294.3	3064.1	2532.2	1600.2	737.5	317.4	196.7
17.5°	4869.9	4838.6	4778.3	4684.4	4362.6	4089.9	3663.1	2514.3	1193.5	411.2	205.6
20°	5520.3	5497.9	5448.8	5430.9	5223.0	5077.8	4724.6	3564.7	1859.5	558.7	219.0
22.5°	6414.2	6367.3	6387.4	6280.2	6076.8	5902.5	5685.7	4664.3	2673.0	804.6	243.6
25°	7509.4	7487.0	7431.1	7355.2	7073.6	6921.6	6588.6	5701.3	3582.6	1126.4	270.4
27.5°	8832.4	8807.9	8794.5	8620.1	8296.1	8130.7	7665.8	6680.2	4606.2	1577.9	306.2
30°	10356.7	10367.8	10280.7	10057.2	9679.5	9447.1	8968.8	7706.0	5654.4	2107.5	344.2
32.5°	11934.5	11912.2	11778.1	11514.4	11176.9	10960.1	10352.2	8830.2	6754.0	2807.1	388.9
35°	13635.3	13592.8	13239.7	12938.0	12649.7	12377.0	11822.8	10135.4	7853.5	3591.5	449.2
37.5°	15351.7	15152.8	14444.4	14062.2	13863.3	13639.8	13123.5	11527.8	8946.4	4467.6	523.0
40°	16648.0	16493.8	15653.5	14949.4	14790.8	14600.8	14216.4	12730.2	10108.6	5408.5	612.4
42.5°	17365.4	17280.5	16525.1	15830.0	15456.8	15289.2	14960.6	13780.6	11257.3	6447.8	742.0
45°	17671.6	17539.7	17034.6	16710.6	16116.1	15839.0	15447.8	14574.0	12457.5	7627.8	923.0
47.5°	17577.7	17501.7	17139.7	17258.1	16826.8	16395.4	15821.1	15181.9	13483.3	8982.2	1171.1
50°	16987.7	16922.9	16811.1	17452.6	17398.9	16889.4	16303.8	15662.4	14321.4	10379.0	1555.5
52.5°	15865.8	15839.0	16125.0	17300.6	17723.0	17325.2	16768.7	16087.0	15103.7	11838.4	2105.3
55°	14419.8	14529.3	15347.3	17063.7	17888.4	17647.0	17179.9	16484.8	15731.7	13143.6	2916.6
57.5°	13825.3	13854.3	14875.7	16896.1	17962.1	17930.8	17580.0	16864.8	16308.3	14187.3	4154.7
60°	14520.3	14475.6	15014.3	17023.5	18109.6	18185.6	17935.3	17217.9	16808.9	15083.5	5804.1
62.5°	15776.4	15751.8	15923.9	17566.6	18541.0	18695.2	18429.2	17472.7	17251.4	15673.6	7685.9
65°	16898.3	16846.9	17166.5	18529.8	19298.6	19408.1	19175.7	17908.5	17445.9	16102.7	9453.8
67.5°	17383.3	17372.1	17886.1	19446.1	20094.3	20212.7	20009.3	18509.7	17401.2	16239.0	10233.7
70°	17162.0	17119.6	17942.0	19835.0	20543.5	20677.6	20480.9	18733.2	16916.2	15807.7	9078.3
71°	16918.4	16804.4	17774.4	19808.2	20606.1	20720.0	20375.9	18529.8	16429.0	15195.3	8030.1
72.5°	16163.0	16183.1	17314.0	19528.8	20456.3	20422.8	19781.4	17801.2	15841.2	13805.2	6450.0
75°	14303.6	14422.0	15823.3	18355.5	19119.8	18693.0	17711.8	16408.9	14661.1	9898.5	4478.8
77.5°	11688.7	11865.2	13405.1	16098.2	15881.4	15839.0	15798.7	14457.8	12520.1	5316.9	3115.5
80°	5580.6	5962.8	8086.0	11492.0	12484.3	12964.8	12663.1	11650.7	9681.7	2532.2	1861.7
82.5°	364.3	359.8	509.6	965.5	4069.8	5261.0	8358.6	8327.4	6749.5	1233.7	759.9
85°	172.1	176.6	194.4	221.3	257.0	281.6	388.9	2279.6	3229.5	587.8	165.4
87.5°	100.6	102.8	120.7	154.2	201.1	223.5	266.0	341.9	420.2	324.1	35.8
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: P1048626

CATALOG NUMBER: GALN-SA8B-840-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0
2.5°	183.3	181.0	174.3	167.6	160.9	156.4	154.2	156.4	156.4	158.7	158.7
5°	183.3	176.6	165.4	152.0	143.0	134.1	129.6	127.4	129.6	129.6	129.6
7.5°	181.0	169.9	154.2	138.6	127.4	116.2	111.7	109.5	109.5	111.7	111.7
10°	176.6	165.4	145.3	127.4	114.0	100.6	93.9	87.2	87.2	87.2	89.4
12.5°	174.3	158.7	134.1	116.2	98.3	82.7	69.3	62.6	64.8	64.8	64.8
15°	169.9	152.0	127.4	105.0	82.7	62.6	51.4	44.7	46.9	49.2	46.9
17.5°	169.9	149.7	118.5	91.6	64.8	46.9	38.0	33.5	33.5	35.8	35.8
20°	169.9	145.3	111.7	78.2	49.2	35.8	26.8	24.6	24.6	29.1	31.3
22.5°	174.3	145.3	102.8	64.8	40.2	26.8	20.1	17.9	20.1	24.6	26.8
25°	181.0	143.0	93.9	58.1	33.5	20.1	15.6	11.2	13.4	17.9	20.1
27.5°	187.7	140.8	84.9	51.4	26.8	15.6	11.2	8.9	6.7	8.9	8.9
30°	194.4	140.8	76.0	42.5	22.3	11.2	6.7	4.5	2.2	0.0	0.0
32.5°	198.9	136.3	69.3	33.5	17.9	8.9	4.5	2.2	0.0	0.0	0.0
35°	203.4	131.9	60.3	26.8	13.4	6.7	2.2	0.0	0.0	0.0	0.0
37.5°	207.8	125.2	51.4	22.3	11.2	4.5	0.0	0.0	0.0	0.0	0.0
40°	212.3	116.2	42.5	20.1	6.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	216.8	109.5	35.8	15.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	228.0	105.0	29.1	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	248.1	100.6	26.8	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	277.1	96.1	24.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	317.4	93.9	22.3	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	388.9	91.6	20.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	511.8	89.4	20.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	784.5	84.9	20.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1401.3	82.7	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2442.8	84.9	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3502.1	89.4	15.6	6.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	2997.0	78.2	15.6	8.9	4.5	2.2	0.0	0.0	0.0	0.0	0.0
71°	2442.8	69.3	15.6	8.9	4.5	2.2	2.2	0.0	0.0	0.0	0.0
72.5°	1571.2	53.6	13.4	8.9	4.5	4.5	2.2	0.0	0.0	0.0	0.0
75°	663.8	44.7	13.4	8.9	6.7	4.5	4.5	2.2	0.0	0.0	0.0
77.5°	283.8	33.5	13.4	11.2	8.9	6.7	6.7	4.5	2.2	0.0	0.0
80°	107.3	26.8	15.6	13.4	11.2	11.2	8.9	4.5	2.2	0.0	0.0
82.5°	49.2	22.3	15.6	13.4	13.4	11.2	8.9	6.7	4.5	0.0	0.0
85°	31.3	20.1	15.6	13.4	13.4	11.2	11.2	6.7	4.5	0.0	0.0
87.5°	24.6	20.1	15.6	15.6	13.4	13.4	8.9	6.7	2.2	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

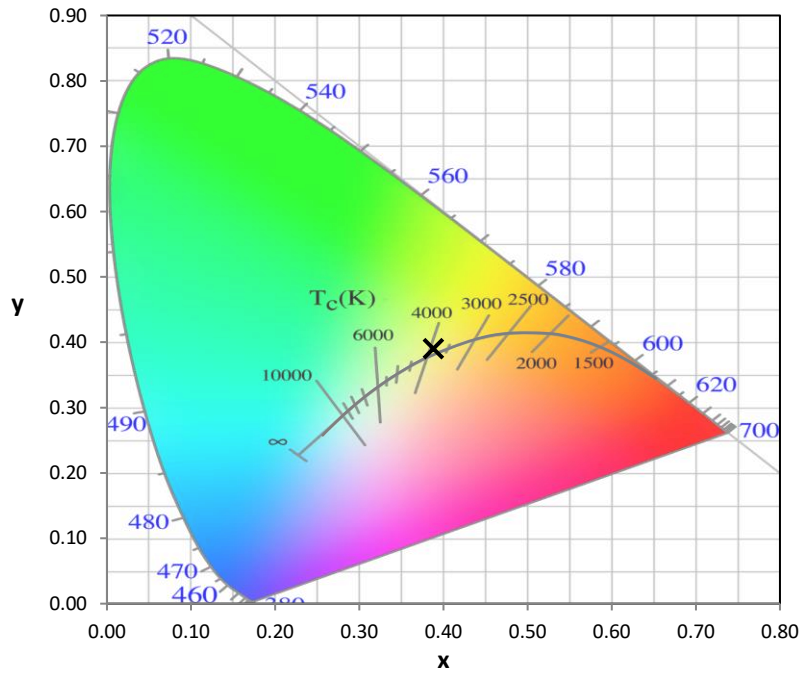
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

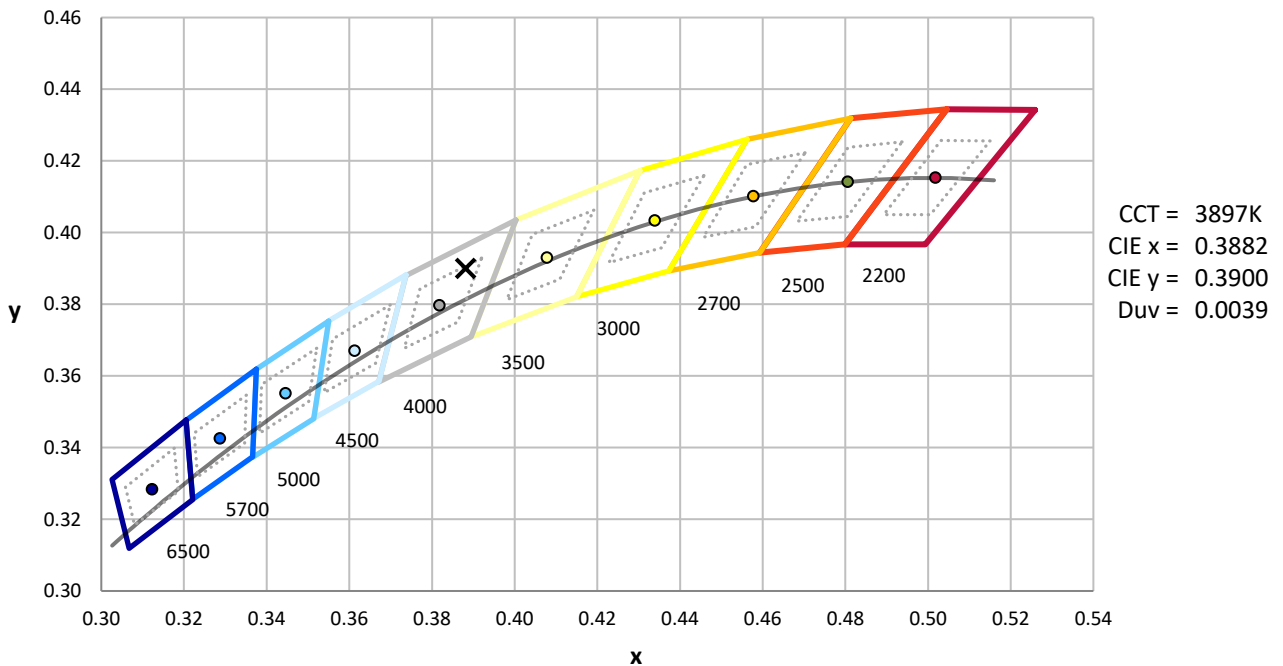
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

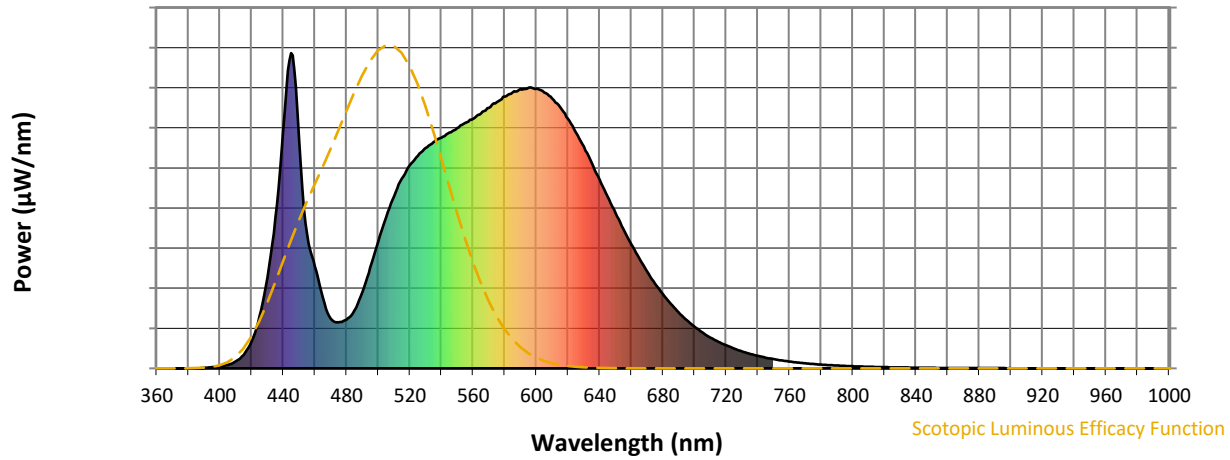


Photopic Lumens: NR

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

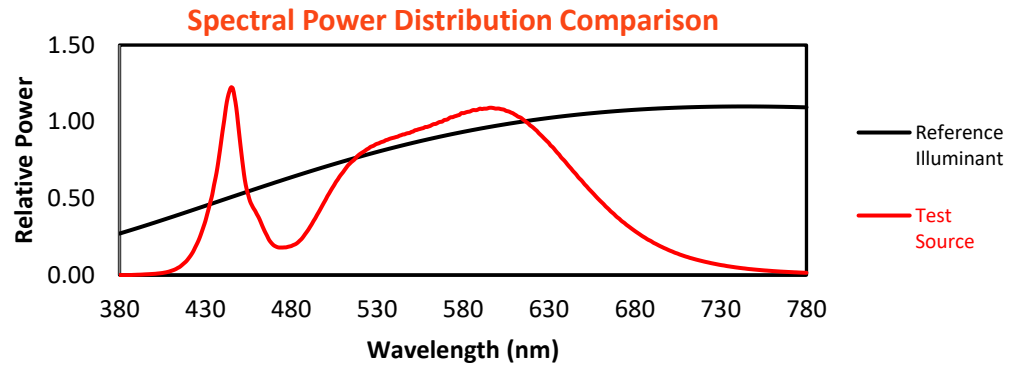
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	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

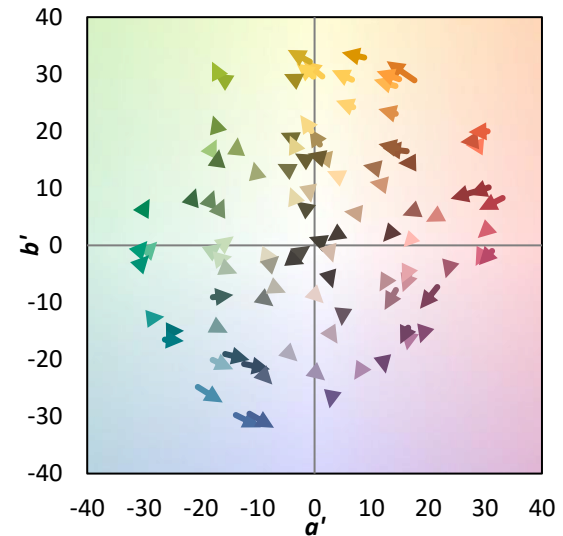
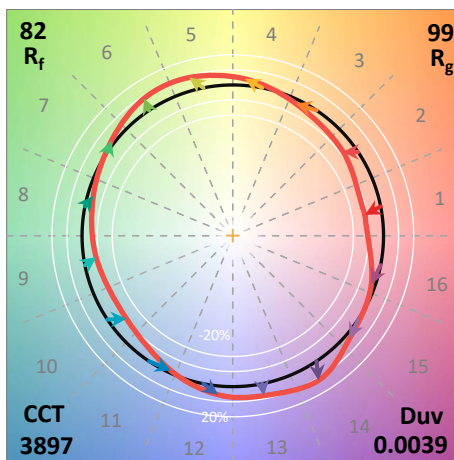
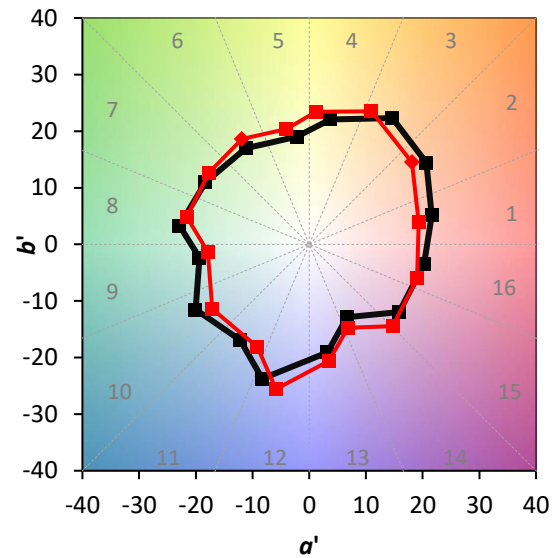
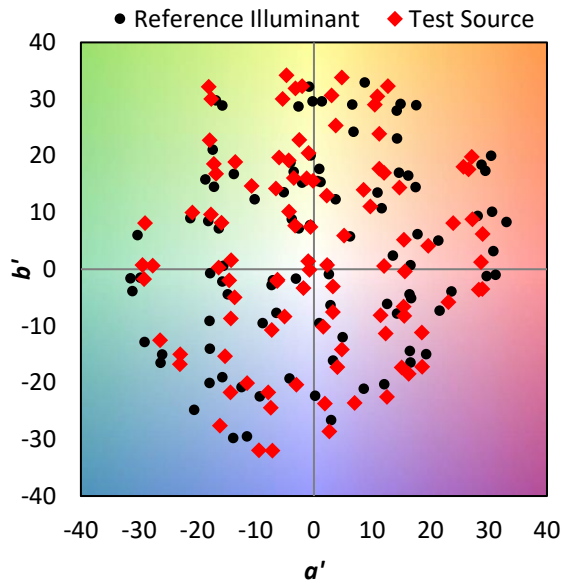
TM-30-18

Summary

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

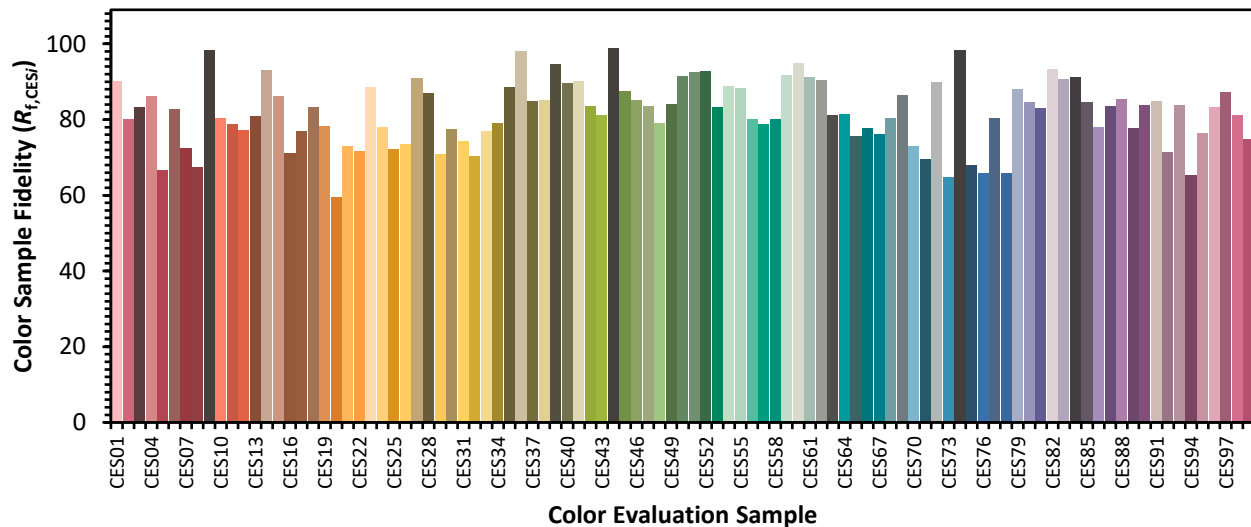


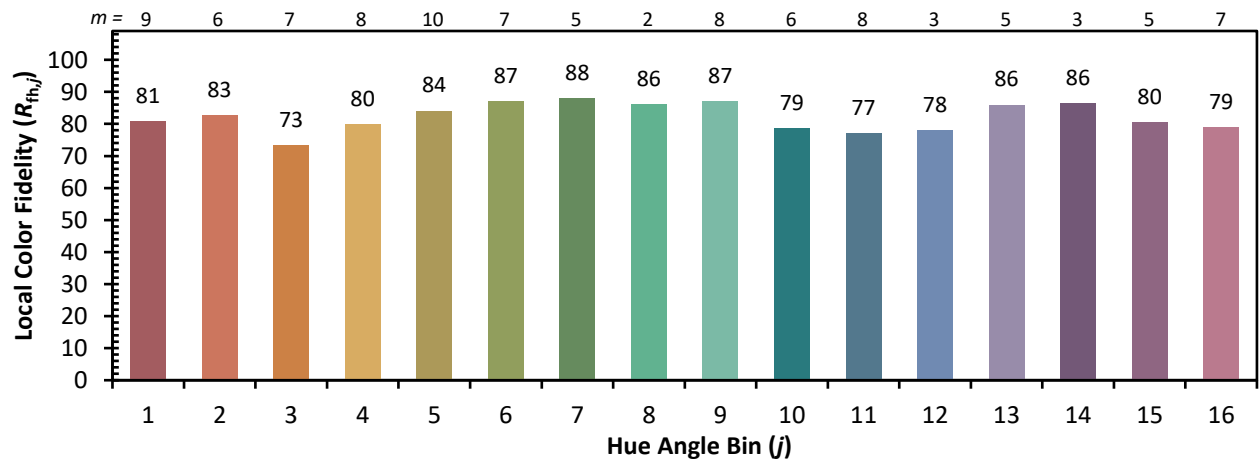
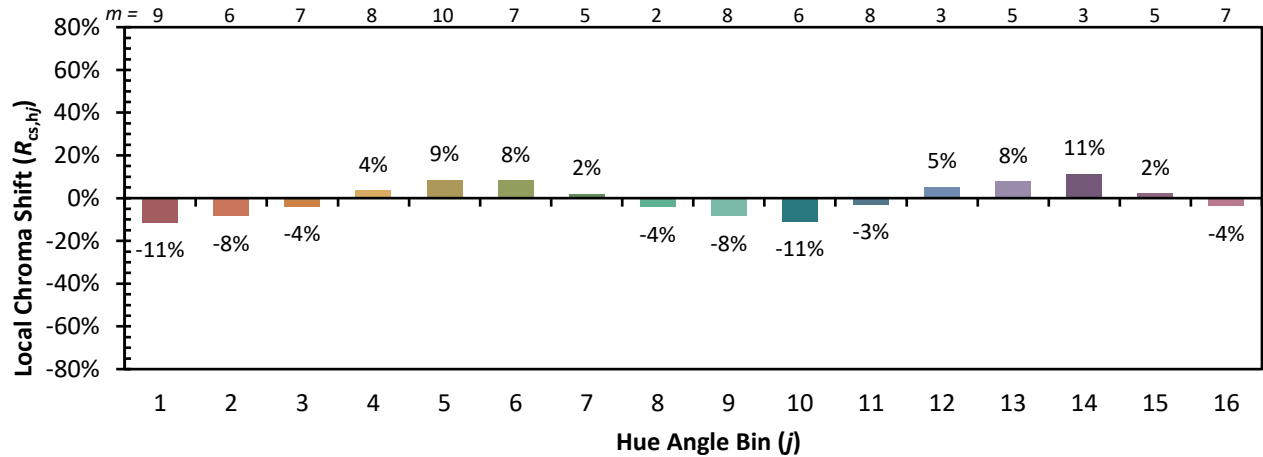
Color Vector Graphics



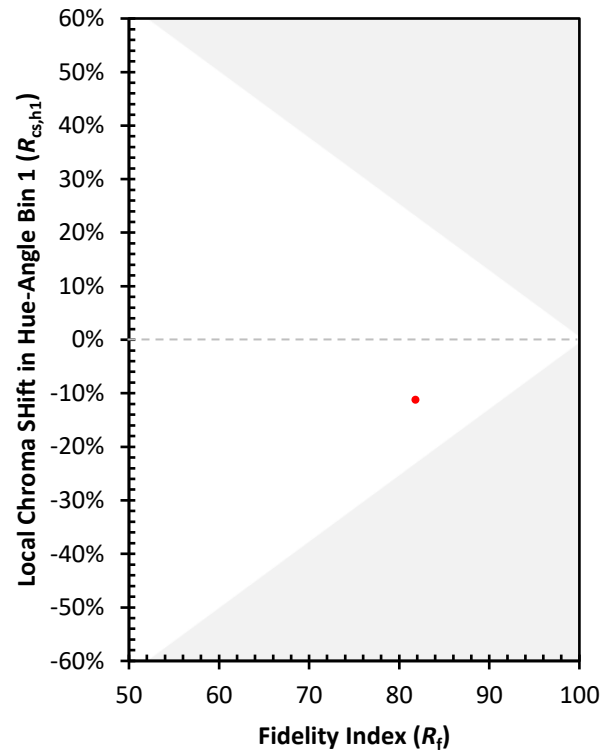
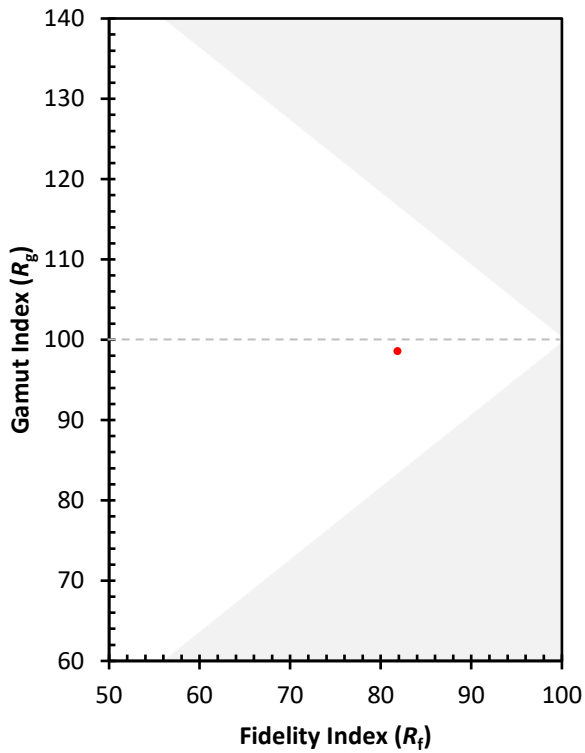
Individual Sample Fidelity Index ($R_{f,i}$)

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)