

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: P1048607

Luminaire Tested: **GALN-SA3C-840-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048607
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3C-840-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15670.2 lumens
Efficiency: N/A
Efficacy: 111.6 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): 140.4
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

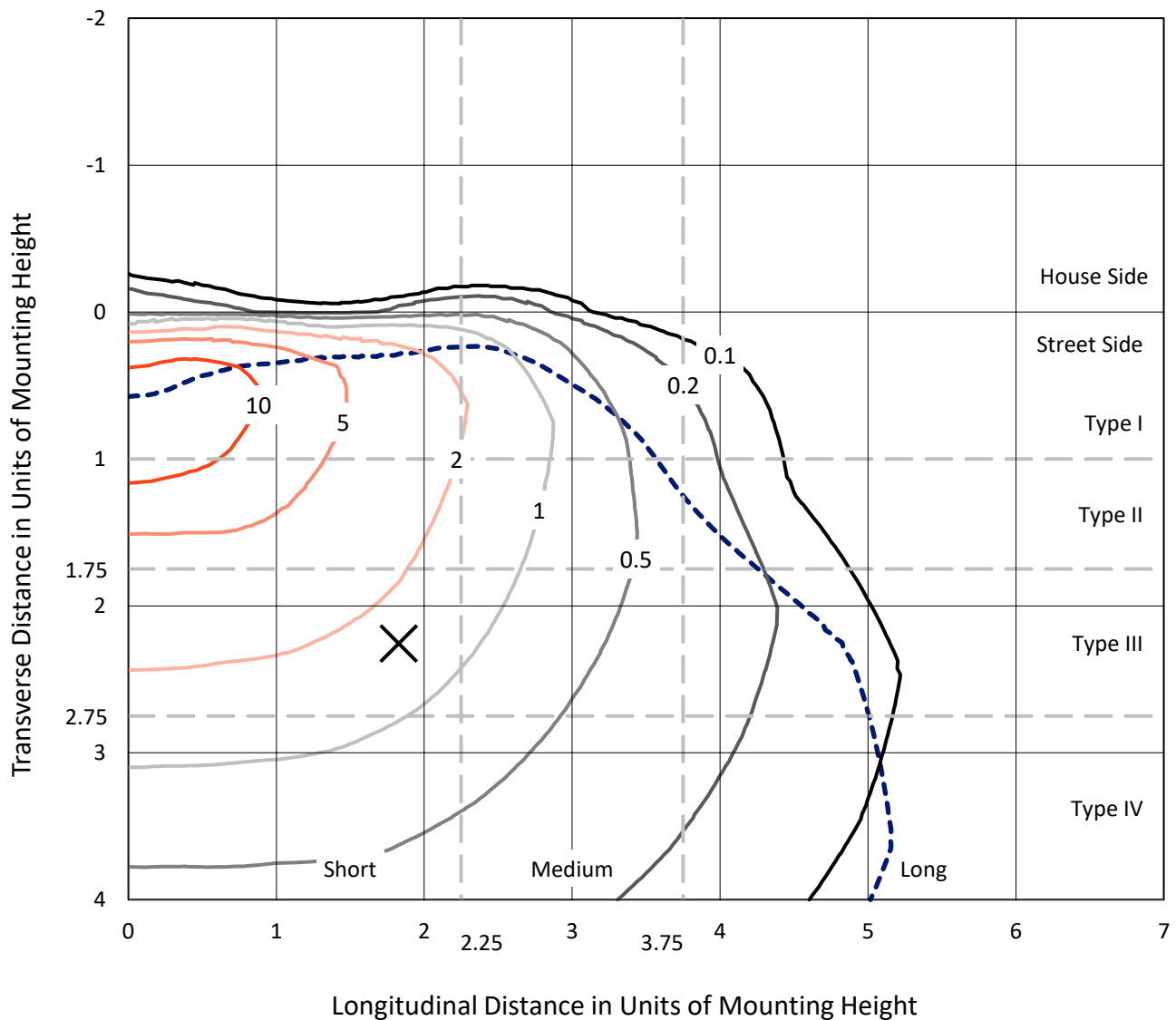


REPORT NUMBER: P1048607

CATALOG NUMBER: GALN-SA3C-840-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

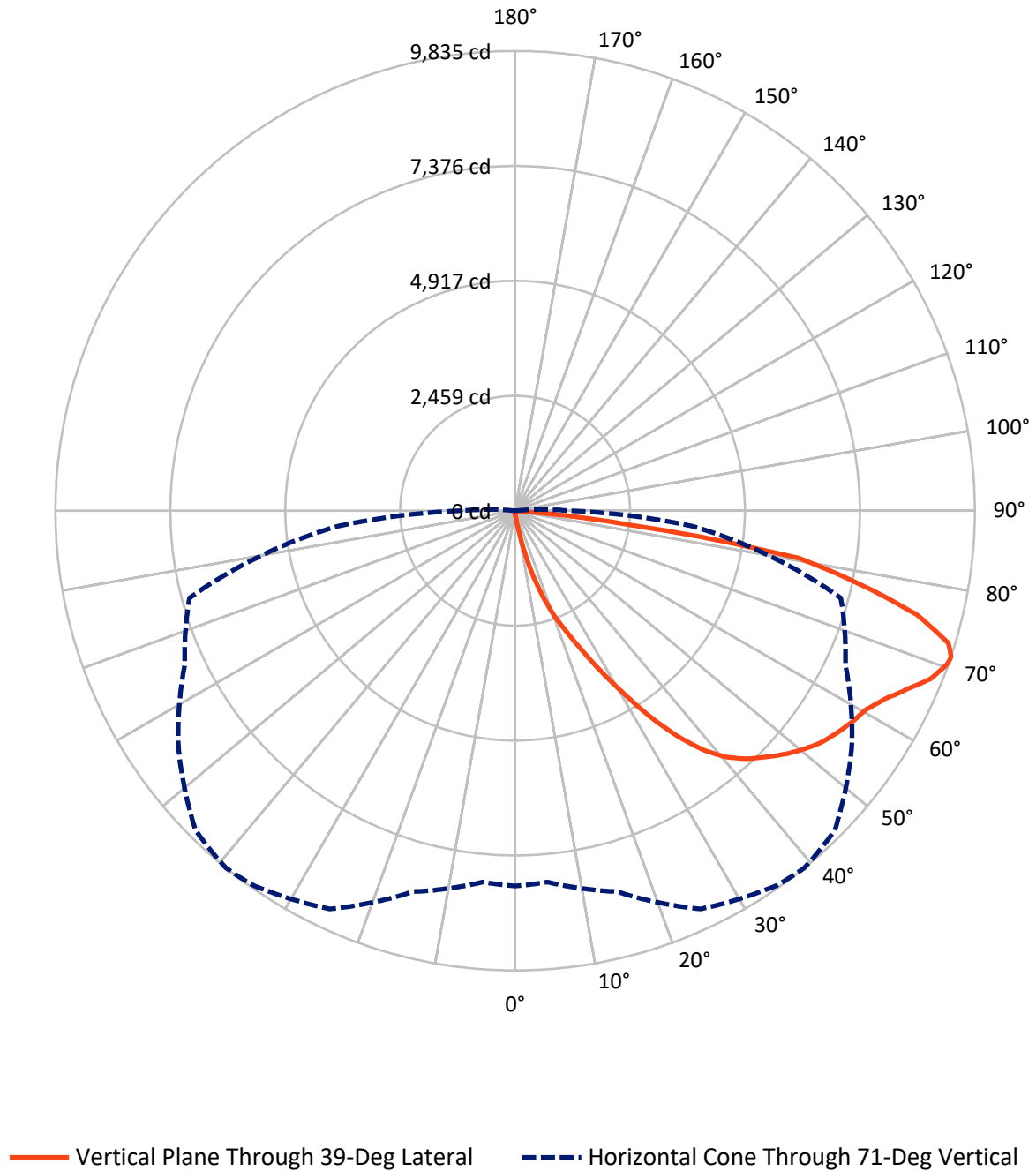


Based on 15 foot mounting height. Maximum calculated value = 16.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P1048607

CATALOG NUMBER: GALN-SA3C-840-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048607

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	55.7	0.0	55.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	15614.5	0.0	15614.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	15670.2	0.0	15670.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.1
10°-20°	167.5	1.1
20°-30°	596.4	3.8
30°-40°	1437.5	9.2
40°-50°	2405.8	15.4
50°-60°	3089.9	19.7
60°-70°	3910.3	25.0
70°-80°	3486.2	22.2
80°-90°	563.5	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°	15670.2	100.0
0°-180°	15670.2	100.0



REPORT NUMBER: P1048607

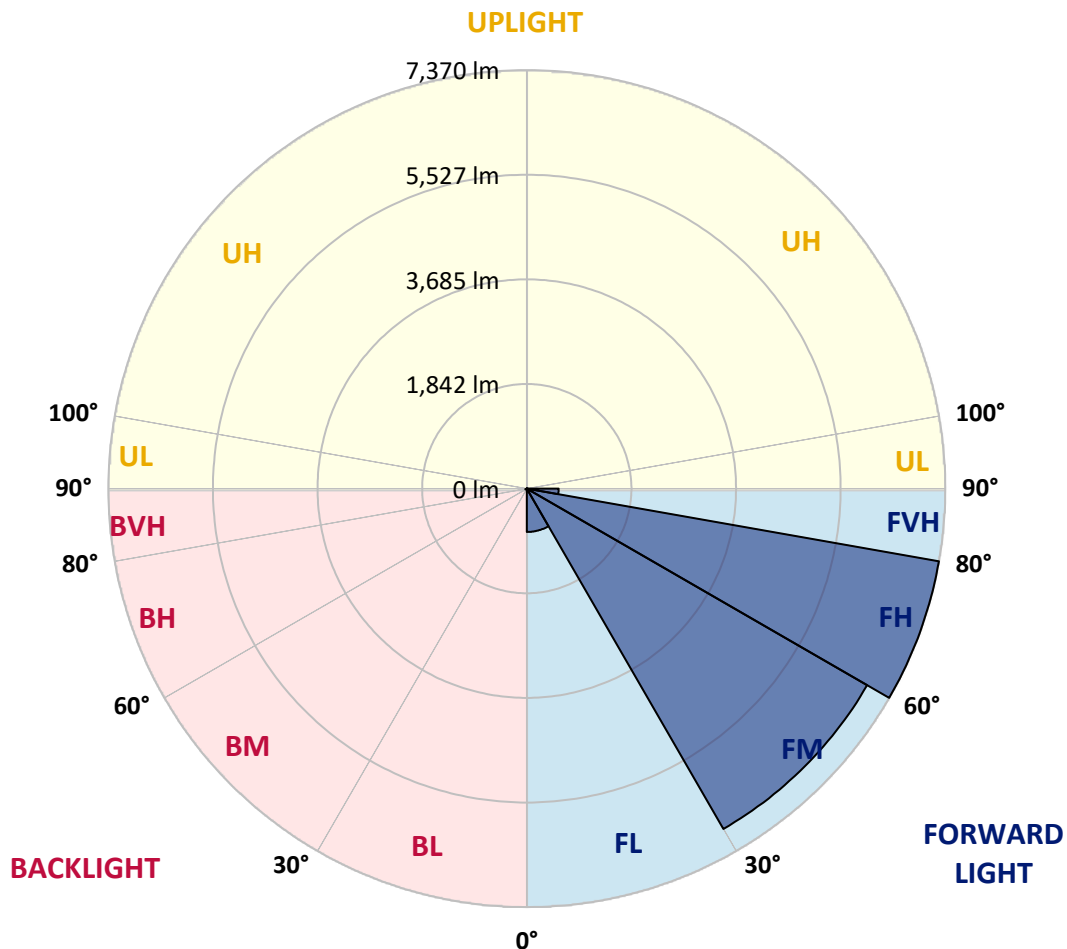
CATALOG NUMBER: GALN-SA3C-840-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	763.6	4.9			
FM	(30°-60°)	6920.3	44.2			
FH	(60°-80°)	7369.7	47.0			G3/7500
FVH	(80°-90°)	561.0	3.6			G4/750
BL	(0°-30°)	13.5	0.1	B0/110		
BM	(30°-60°)	12.9	0.1	B0/220		
BH	(60°-80°)	26.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.6	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



REPORT NUMBER: P1048607

CATALOG NUMBER: GALN-SA3C-840-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2.5°	98.7	98.7	98.7	95.5	95.5	94.4	93.3	93.3	91.2	90.2	88.0
5°	149.6	146.4	139.0	134.7	126.2	120.9	115.6	108.2	100.8	95.5	89.1
7.5°	338.4	345.8	321.4	275.8	229.1	209.0	175.0	141.1	116.7	100.8	90.2
10°	862.4	858.2	775.4	684.2	528.3	465.7	364.9	230.2	150.6	110.3	91.2
12.5°	1467.1	1462.8	1365.2	1241.1	1035.3	904.9	713.9	429.6	216.4	125.2	91.2
15°	1975.2	1958.2	1927.4	1804.4	1563.6	1454.3	1201.9	759.5	350.1	150.6	93.3
17.5°	2311.5	2296.6	2268.0	2223.4	2070.7	1941.2	1738.6	1193.4	566.5	195.2	97.6
20°	2620.1	2609.5	2586.2	2577.7	2479.1	2410.1	2242.5	1692.0	882.6	265.2	104.0
22.5°	3044.5	3022.2	3031.7	2980.8	2884.3	2801.5	2698.6	2213.9	1268.7	381.9	115.6
25°	3564.2	3553.6	3527.1	3491.0	3357.4	3285.3	3127.2	2706.1	1700.4	534.6	128.4
27.5°	4192.2	4180.6	4174.2	4091.5	3937.6	3859.1	3638.5	3170.7	2186.3	748.9	145.3
30°	4915.7	4921.0	4879.6	4773.5	4594.3	4483.9	4256.9	3657.6	2683.8	1000.3	163.4
32.5°	5664.6	5654.0	5590.3	5465.2	5305.0	5202.1	4913.6	4191.2	3205.7	1332.3	184.6
35°	6471.9	6451.7	6284.1	6140.9	6004.1	5874.6	5611.6	4810.7	3727.6	1704.7	213.2
37.5°	7286.5	7192.1	6855.9	6674.5	6580.1	6474.0	6228.9	5471.5	4246.3	2120.5	248.2
40°	7901.8	7828.6	7429.7	7095.6	7020.3	6930.1	6747.7	6042.2	4797.9	2567.1	290.7
42.5°	8242.3	8202.0	7843.5	7513.6	7336.4	7256.8	7100.9	6540.8	5343.2	3060.4	352.2
45°	8387.6	8325.1	8085.3	7931.5	7649.3	7517.8	7332.2	6917.4	5912.8	3620.5	438.1
47.5°	8343.1	8307.0	8135.2	8191.4	7986.7	7781.9	7509.3	7205.9	6399.7	4263.3	555.9
50°	8063.0	8032.3	7979.2	8283.7	8258.2	8016.4	7738.4	7434.0	6797.5	4926.3	738.3
52.5°	7530.5	7517.8	7653.6	8211.5	8412.0	8223.2	7959.1	7635.5	7168.8	5619.0	999.3
55°	6844.2	6896.2	7284.4	8099.1	8490.5	8376.0	8154.3	7824.4	7466.9	6238.5	1384.3
57.5°	6562.0	6575.8	7060.6	8019.5	8525.5	8510.7	8344.1	8004.7	7740.6	6733.9	1972.0
60°	6891.9	6870.7	7126.4	8080.0	8595.6	8631.6	8512.8	8172.3	7978.2	7159.2	2754.9
62.5°	7488.1	7476.4	7558.1	8337.8	8800.3	8873.5	8747.2	8293.2	8188.2	7439.3	3648.0
65°	8020.6	7996.2	8147.9	8795.0	9159.9	9211.9	9101.5	8500.1	8280.5	7643.0	4487.1
67.5°	8250.8	8245.5	8489.5	9229.9	9537.5	9593.8	9497.2	8785.4	8259.3	7707.7	4857.3
70°	8145.8	8125.6	8516.0	9414.5	9750.7	9814.4	9721.0	8891.5	8029.1	7502.9	4308.9
71°	8030.2	7976.1	8436.4	9401.8	9780.5	9834.6	9671.2	8795.0	7797.8	7212.3	3811.4
72.5°	7671.6	7681.2	8217.9	9269.2	9709.4	9693.5	9389.0	8449.2	7518.9	6552.5	3061.4
75°	6789.0	6845.3	7510.4	8712.2	9075.0	8872.4	8406.7	7788.3	6958.8	4698.2	2125.8
77.5°	5547.9	5631.7	6362.6	7640.8	7537.9	7517.8	7498.7	6862.2	5942.5	2523.6	1478.7
80°	2648.8	2830.2	3837.9	5454.6	5925.6	6153.6	6010.4	5529.9	4595.3	1201.9	883.6
82.5°	172.9	170.8	241.9	458.3	1931.7	2497.1	3967.3	3952.5	3203.6	585.6	360.7
85°	81.7	83.8	92.3	105.0	122.0	133.7	184.6	1082.0	1532.8	279.0	78.5
87.5°	47.7	48.8	57.3	73.2	95.5	106.1	126.2	162.3	199.4	153.8	17.0
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: P1048607

CATALOG NUMBER: GALN-SA3C-840-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2.5°	87.0	85.9	82.7	79.6	76.4	74.3	73.2	74.3	74.3	75.3	75.3
5°	87.0	83.8	78.5	72.1	67.9	63.6	61.5	60.5	61.5	61.5	61.5
7.5°	85.9	80.6	73.2	65.8	60.5	55.2	53.0	52.0	52.0	53.0	53.0
10°	83.8	78.5	69.0	60.5	54.1	47.7	44.6	41.4	41.4	41.4	42.4
12.5°	82.7	75.3	63.6	55.2	46.7	39.2	32.9	29.7	30.8	30.8	30.8
15°	80.6	72.1	60.5	49.9	39.2	29.7	24.4	21.2	22.3	23.3	22.3
17.5°	80.6	71.1	56.2	43.5	30.8	22.3	18.0	15.9	15.9	17.0	17.0
20°	80.6	69.0	53.0	37.1	23.3	17.0	12.7	11.7	11.7	13.8	14.9
22.5°	82.7	69.0	48.8	30.8	19.1	12.7	9.5	8.5	9.5	11.7	12.7
25°	85.9	67.9	44.6	27.6	15.9	9.5	7.4	5.3	6.4	8.5	9.5
27.5°	89.1	66.8	40.3	24.4	12.7	7.4	5.3	4.2	3.2	4.2	4.2
30°	92.3	66.8	36.1	20.2	10.6	5.3	3.2	2.1	1.1	0.0	0.0
32.5°	94.4	64.7	32.9	15.9	8.5	4.2	2.1	1.1	0.0	0.0	0.0
35°	96.5	62.6	28.6	12.7	6.4	3.2	1.1	0.0	0.0	0.0	0.0
37.5°	98.7	59.4	24.4	10.6	5.3	2.1	0.0	0.0	0.0	0.0	0.0
40°	100.8	55.2	20.2	9.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	102.9	52.0	17.0	7.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	108.2	49.9	13.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	117.7	47.7	12.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	131.5	45.6	11.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	150.6	44.6	10.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	184.6	43.5	9.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	242.9	42.4	9.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	372.3	40.3	9.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	665.1	39.2	8.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1159.4	40.3	8.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1662.3	42.4	7.4	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1422.5	37.1	7.4	4.2	2.1	1.1	0.0	0.0	0.0	0.0	0.0
71°	1159.4	32.9	7.4	4.2	2.1	1.1	1.1	0.0	0.0	0.0	0.0
72.5°	745.7	25.5	6.4	4.2	2.1	2.1	1.1	0.0	0.0	0.0	0.0
75°	315.1	21.2	6.4	4.2	3.2	2.1	2.1	1.1	0.0	0.0	0.0
77.5°	134.7	15.9	6.4	5.3	4.2	3.2	3.2	2.1	1.1	0.0	0.0
80°	50.9	12.7	7.4	6.4	5.3	5.3	4.2	2.1	1.1	0.0	0.0
82.5°	23.3	10.6	7.4	6.4	6.4	5.3	4.2	3.2	2.1	0.0	0.0
85°	14.9	9.5	7.4	6.4	6.4	5.3	5.3	3.2	2.1	0.0	0.0
87.5°	11.7	9.5	7.4	7.4	6.4	6.4	4.2	3.2	1.1	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

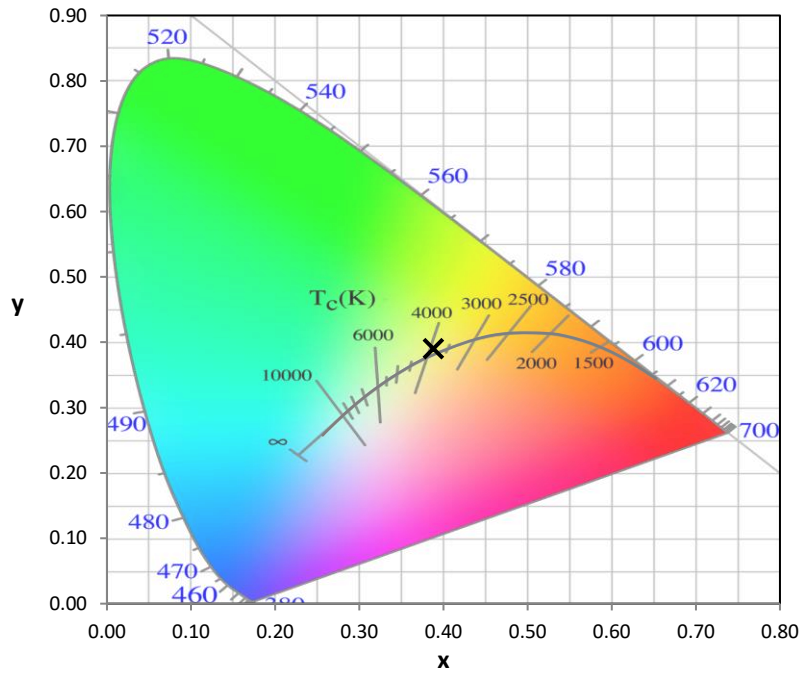
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

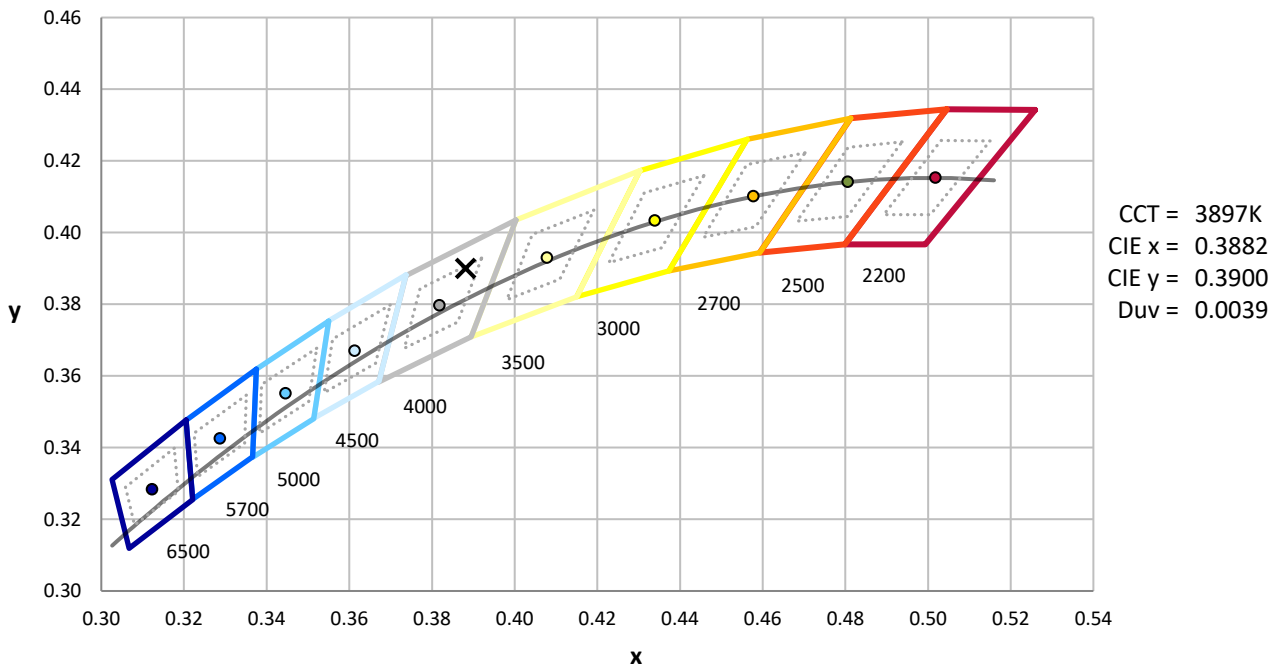
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

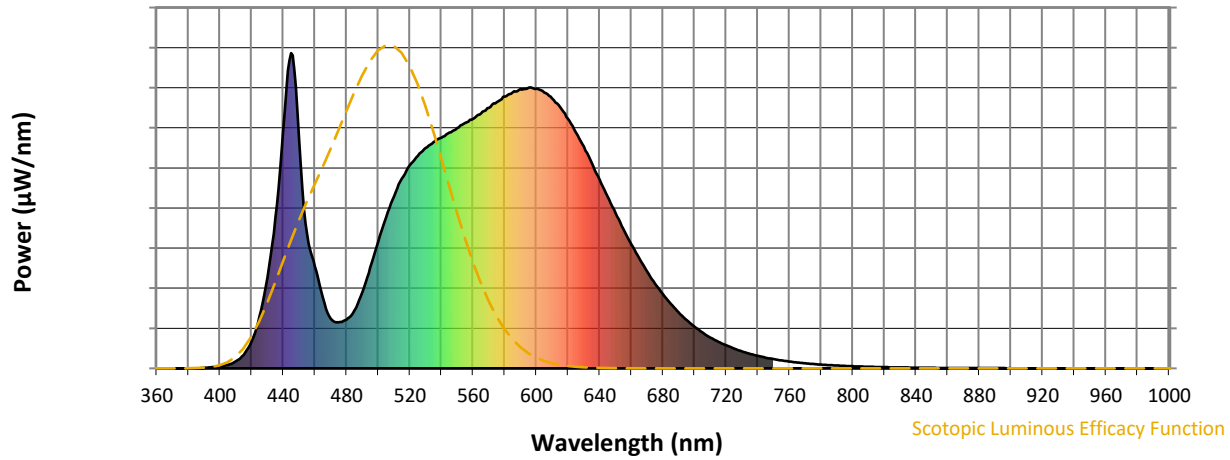


Photopic Lumens: NR

λ (nm)	Power W ^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	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

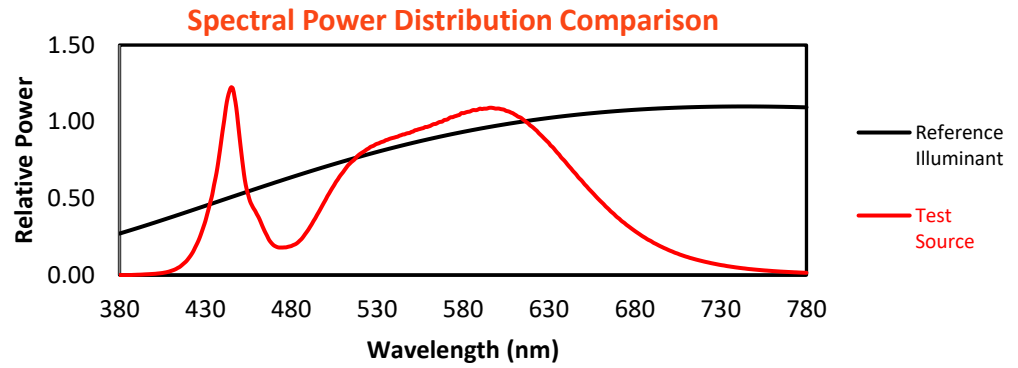
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401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

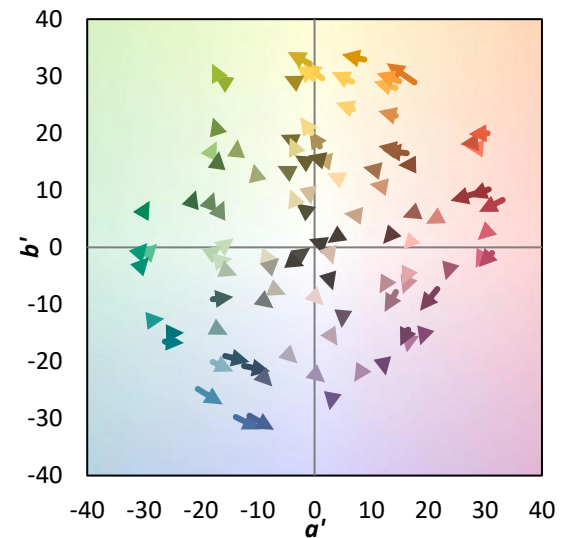
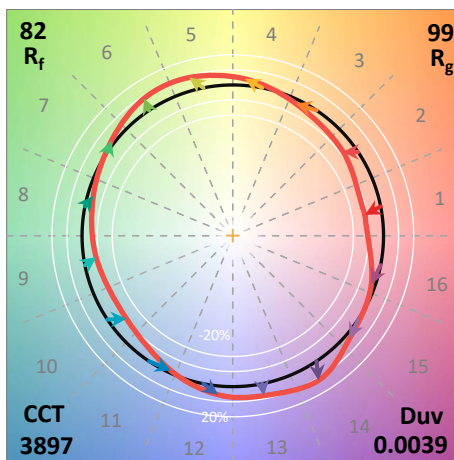
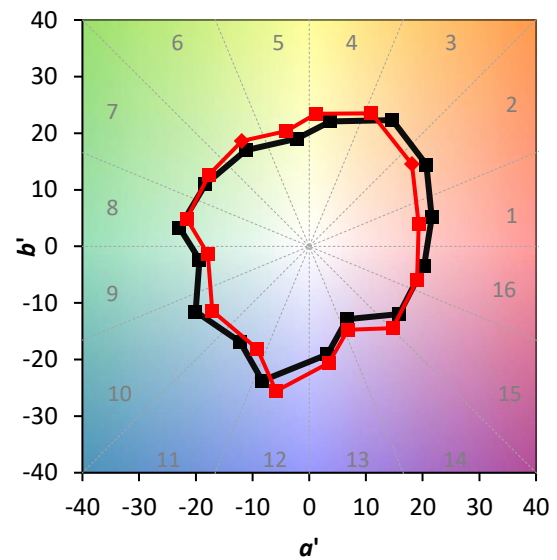
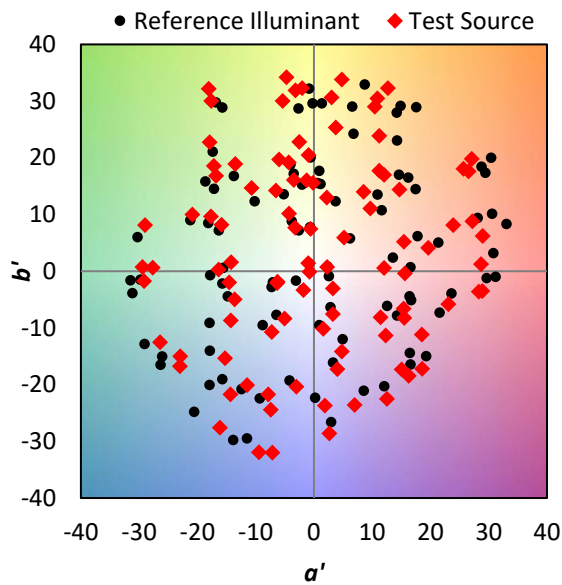
TM-30-18

Summary

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

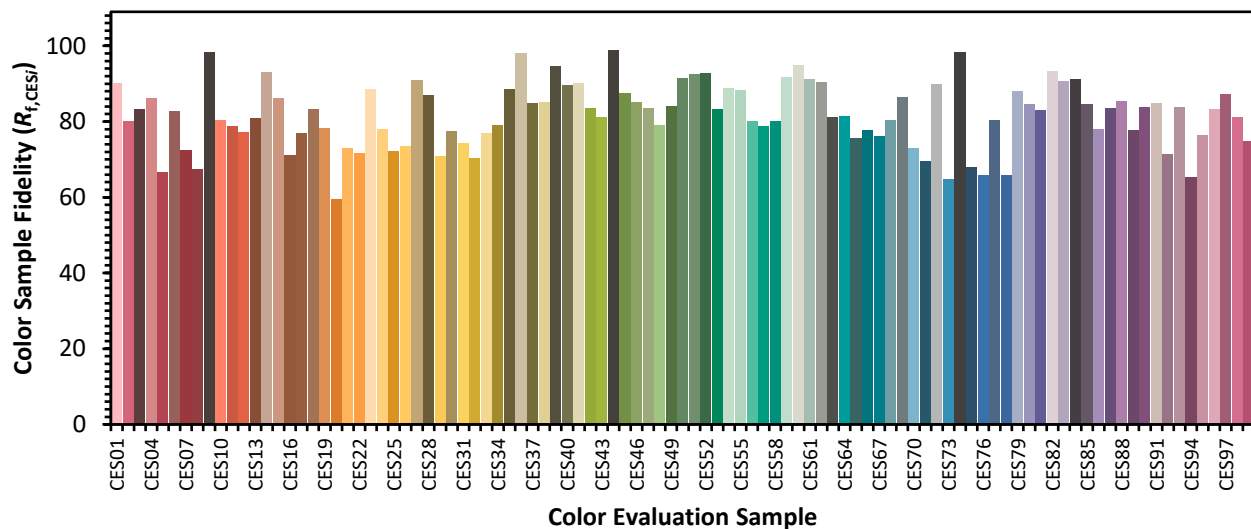


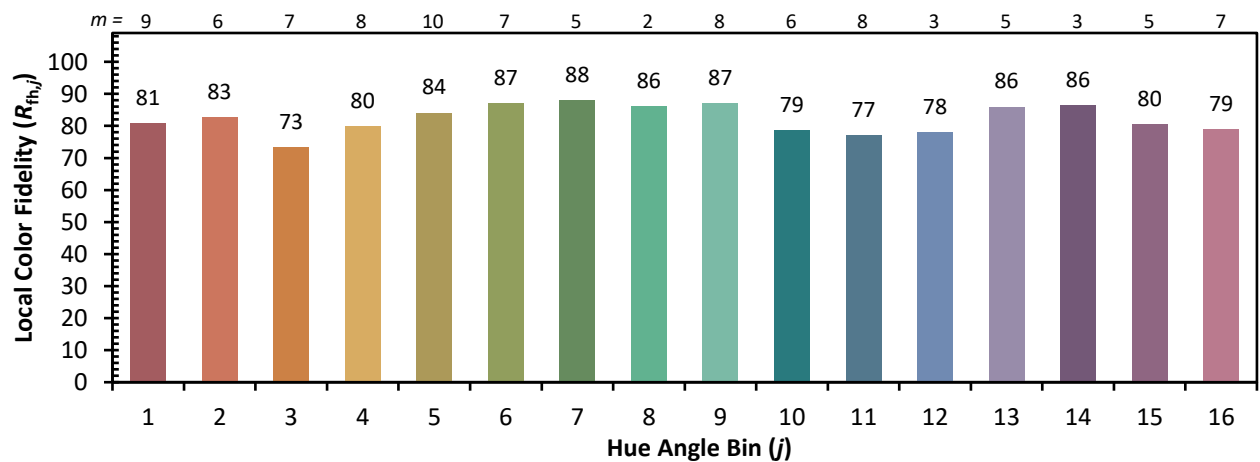
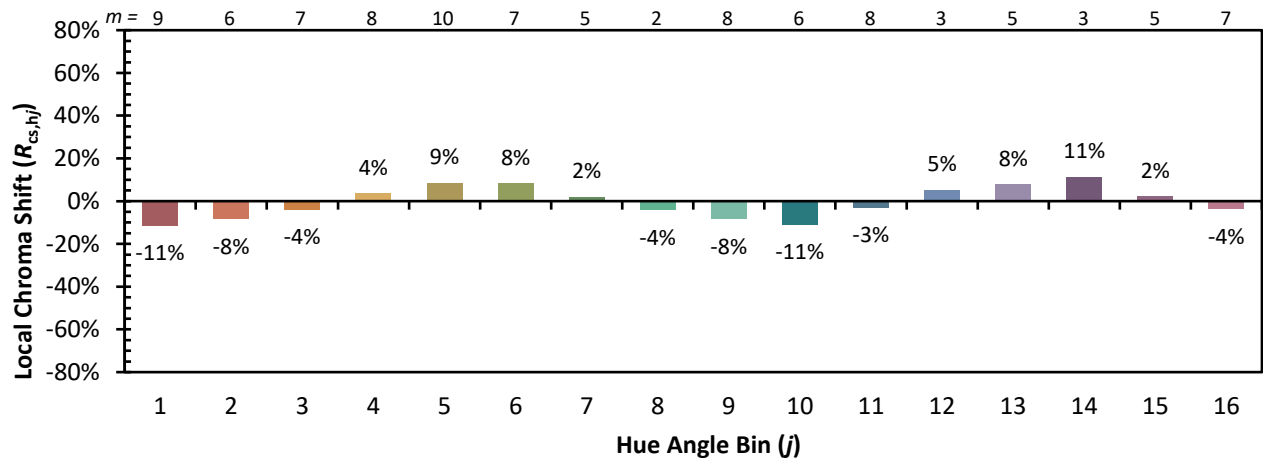
Color Vector Graphics

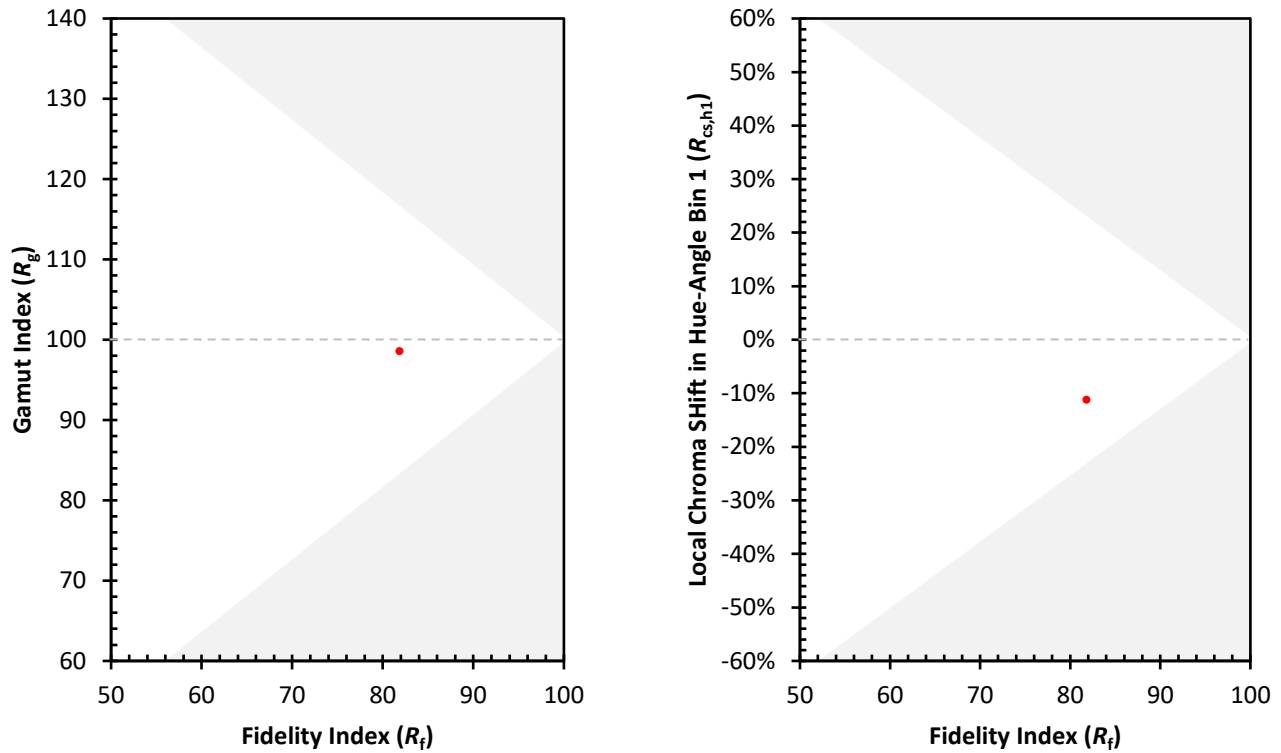


Individual Sample Fidelity Index ($R_{f,i}$)

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)