

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: P1047381

Luminaire Tested: **GALN-SA3A-840-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047381
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-840-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10484.7 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 81.4
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

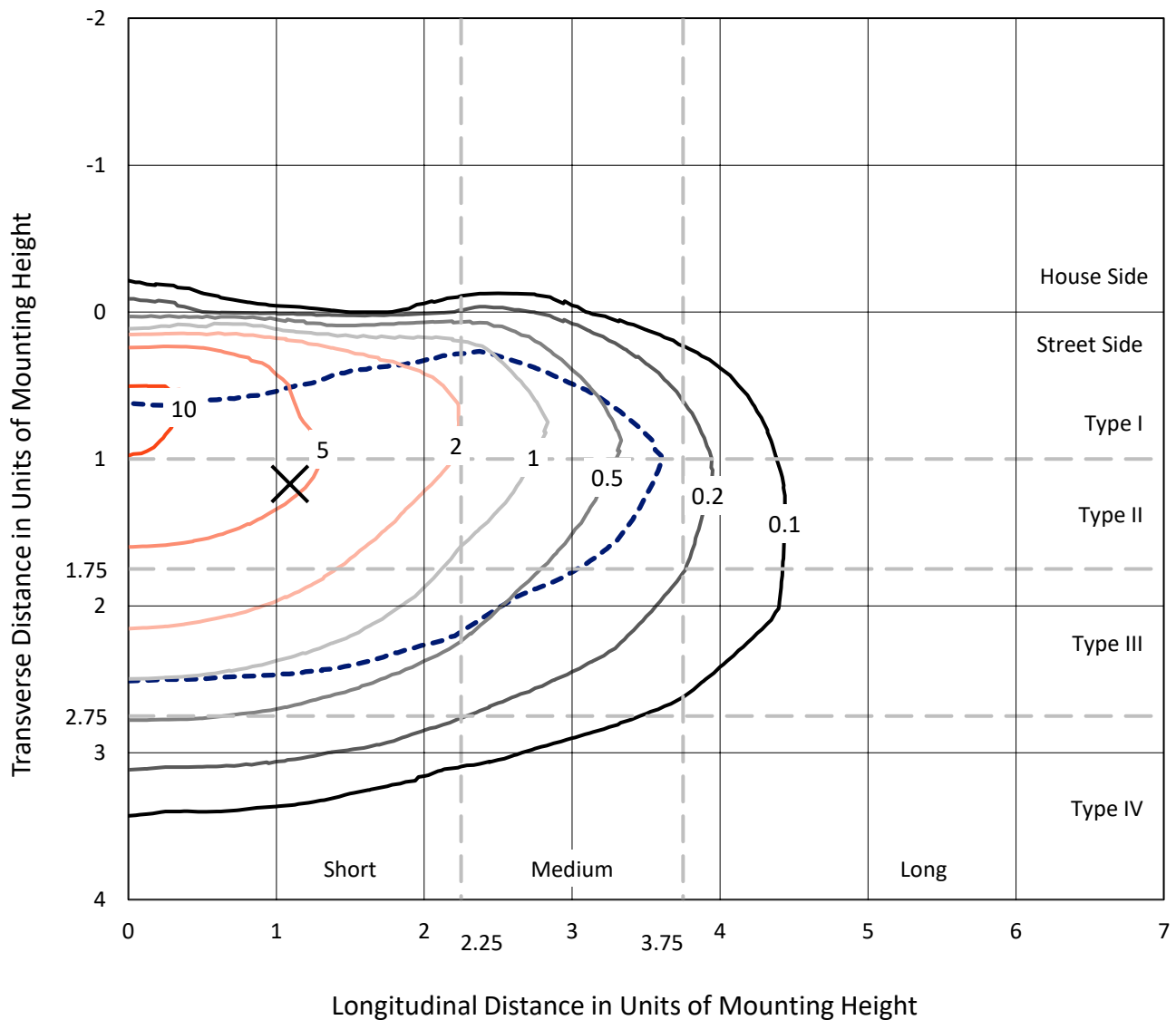


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

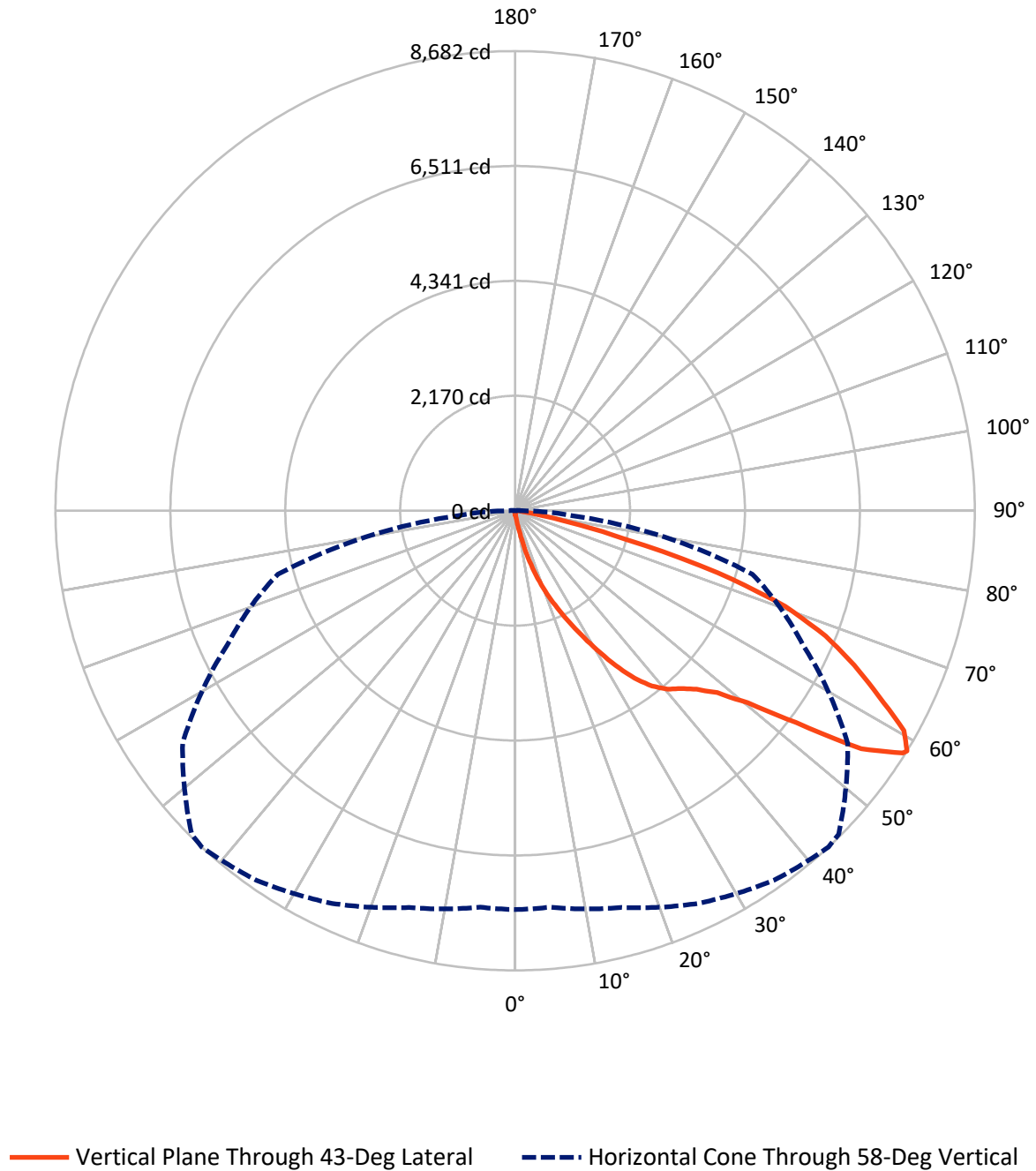


Based on 15 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.3	0.0	38.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10446.4	0.0	10446.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	10484.7	0.0	10484.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.1
10°-20°	120.5	1.1
20°-30°	434.4	4.1
30°-40°	993.9	9.5
40°-50°	1676.3	16.0
50°-60°	2766.3	26.4
60°-70°	3091.7	29.5
70°-80°	1276.5	12.2
80°-90°	115.1	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°	10484.7	100.0
0°-180°	10484.7	100.0



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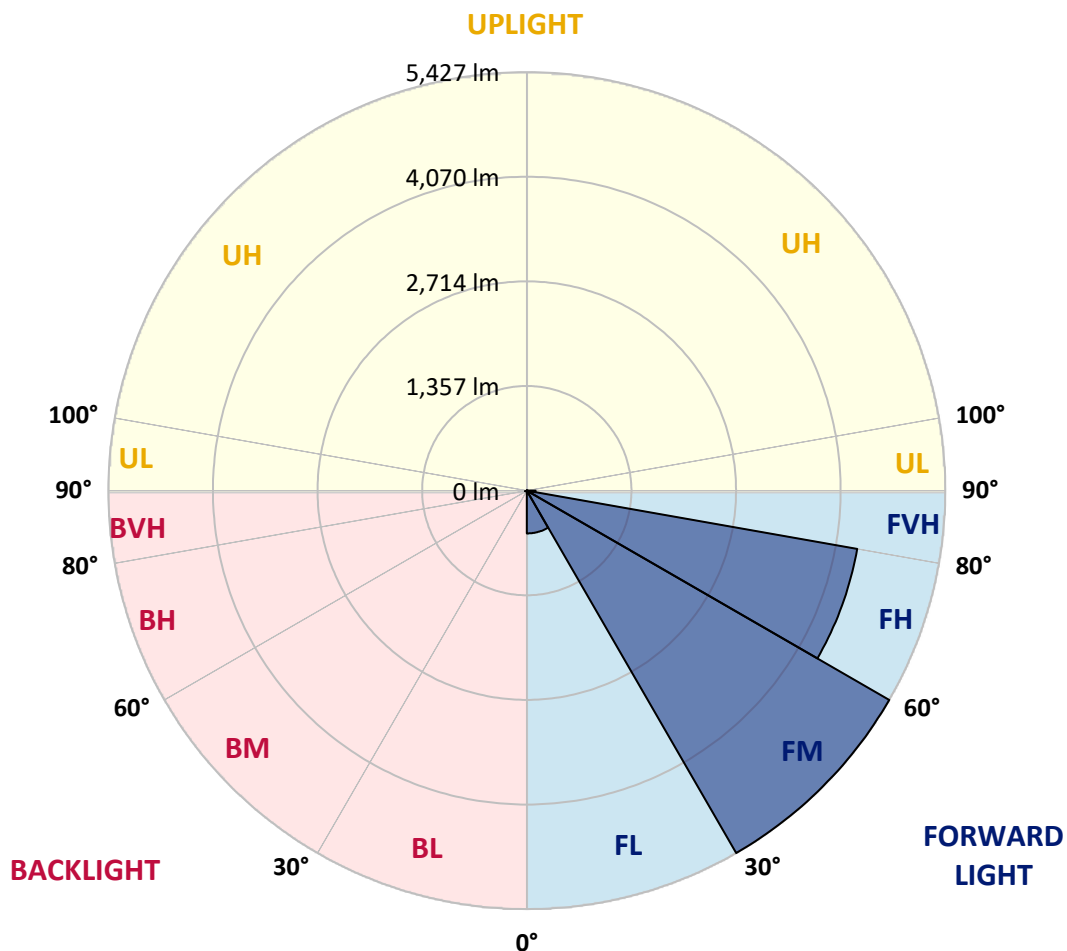
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	555.0	5.3			
FM	(30°-60°)	5427.3	51.8			
FH	(60°-80°)	4350.7	41.5			G2/5000
FVH	(80°-90°)	113.5	1.1			G2/225
BL	(0°-30°)	10.0	0.1	B0/110		
BM	(30°-60°)	9.2	0.1	B0/220		
BH	(60°-80°)	17.5	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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-G2

Type III Short



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CATALOG NUMBER: GALN-SA3A-840-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2.5°	82.3	85.0	82.3	82.3	82.3	79.5	79.5	76.8	76.8	74.0	71.3
5°	120.7	120.7	112.4	106.9	101.5	98.7	96.0	90.5	85.0	79.5	74.0
7.5°	268.7	268.7	244.1	211.1	167.3	142.6	137.1	112.4	96.0	85.0	74.0
10°	641.7	641.7	586.8	496.3	383.9	285.2	255.0	161.8	115.2	90.5	76.8
12.5°	1066.7	1080.4	1011.9	896.7	729.4	556.7	496.3	296.2	153.6	98.7	76.8
15°	1447.9	1415.0	1395.8	1286.1	1127.0	921.4	844.6	499.1	222.1	112.4	76.8
17.5°	1705.6	1705.6	1678.2	1604.2	1458.8	1277.9	1214.8	806.2	359.2	128.9	79.5
20°	2007.3	2007.3	1957.9	1905.8	1776.9	1623.4	1563.0	1146.2	556.7	164.5	79.5
22.5°	2372.0	2377.5	2322.6	2229.4	2106.0	1936.0	1883.9	1461.6	806.2	219.4	82.3
25°	2816.2	2821.7	2742.2	2654.4	2465.2	2281.5	2202.0	1823.6	1110.6	307.1	82.3
27.5°	3307.1	3345.5	3227.6	3076.7	2876.6	2646.2	2585.9	2149.9	1412.2	433.3	87.7
30°	3918.6	3918.6	3762.3	3551.1	3334.5	3049.3	2972.5	2492.6	1733.1	600.5	93.2
32.5°	4445.1	4403.9	4203.8	3981.7	3751.3	3485.3	3403.1	2851.9	2062.1	808.9	104.2
35°	4848.2	4812.5	4565.7	4327.2	4127.0	3882.9	3784.2	3241.3	2410.4	1044.8	120.7
37.5°	5193.7	5180.0	4845.4	4546.5	4414.9	4201.0	4113.3	3608.7	2753.2	1299.8	139.9
40°	5572.1	5528.2	5171.8	4801.6	4604.1	4431.4	4351.8	3904.9	3082.2	1598.7	167.3
42.5°	5895.7	5843.6	5522.8	5160.8	4823.5	4590.4	4513.6	4154.4	3403.1	1897.6	202.9
45°	6254.9	6227.5	5903.9	5629.7	5180.0	4807.1	4705.6	4354.6	3696.5	2254.1	249.5
47.5°	6795.1	6745.8	6444.1	6219.3	5698.3	5136.1	4990.8	4560.3	3978.9	2605.1	320.8
50°	7423.1	7390.2	7211.9	7033.7	6515.4	5698.3	5525.5	4856.4	4294.3	3021.9	414.1
52.5°	7935.9	7930.4	7952.3	7955.1	7562.9	6644.3	6386.5	5333.6	4656.2	3433.2	545.7
55°	7924.9	7949.6	8190.9	8467.9	8498.0	7935.9	7686.3	6137.0	5127.9	3940.5	729.4
57.5°	7628.8	7609.6	7864.6	8281.4	8574.8	8635.1	8594.0	7384.7	5838.1	4552.0	1011.9
58°	7532.8	7516.3	7757.6	8182.7	8520.0	8681.8	8640.6	7667.2	5997.2	4639.8	1088.6
60°	7184.5	7187.3	7329.9	7716.5	8053.8	8437.7	8476.1	8473.4	6789.7	5226.6	1475.3
62.5°	6723.8	6701.9	6833.5	7148.9	7445.0	7702.8	7768.6	8528.2	7949.6	5972.5	2212.9
65°	6087.7	6054.7	6194.6	6551.1	6869.2	7036.4	7039.2	7793.3	8495.3	6773.2	3265.9
67.5°	4905.8	4878.3	5158.1	5616.0	6106.8	6326.2	6424.9	6762.2	8034.6	7316.2	3869.2
70°	3005.4	3063.0	3452.4	4170.9	5010.0	5413.1	5561.2	5665.4	6841.8	7233.9	3235.8
72.5°	1387.5	1319.0	1650.8	2152.6	3109.6	4006.3	4159.9	4568.5	5424.0	6279.6	2413.1
75°	647.2	622.5	699.3	940.6	1409.5	2163.6	2443.3	3647.1	4159.9	4368.3	1741.3
77.5°	331.8	334.5	397.6	427.8	581.3	1000.9	1149.0	2399.4	3049.3	2437.8	1168.2
80°	145.3	150.8	153.6	167.3	235.8	386.6	436.0	1113.3	2084.1	1242.2	638.9
82.5°	93.2	96.0	96.0	96.0	112.4	153.6	175.5	447.0	1039.3	617.0	197.4
85°	49.4	49.4	54.8	68.6	79.5	93.2	98.7	142.6	342.8	183.7	46.6
87.5°	27.4	30.2	32.9	41.1	52.1	63.1	68.6	98.7	131.6	126.1	11.0
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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CATALOG NUMBER: GALN-SA3A-840-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2.5°	71.3	68.6	65.8	63.1	60.3	57.6	57.6	57.6	57.6	57.6	57.6
5°	68.6	65.8	63.1	57.6	52.1	49.4	46.6	43.9	43.9	43.9	43.9
7.5°	68.6	65.8	57.6	52.1	46.6	41.1	35.6	35.6	35.6	35.6	35.6
10°	68.6	63.1	54.8	46.6	38.4	32.9	30.2	27.4	27.4	27.4	27.4
12.5°	68.6	60.3	52.1	41.1	32.9	27.4	24.7	21.9	21.9	21.9	21.9
15°	68.6	60.3	49.4	38.4	30.2	21.9	19.2	16.5	16.5	16.5	16.5
17.5°	65.8	57.6	46.6	32.9	24.7	16.5	13.7	11.0	11.0	13.7	13.7
20°	63.1	54.8	41.1	27.4	19.2	13.7	8.2	8.2	8.2	8.2	8.2
22.5°	63.1	54.8	38.4	24.7	16.5	8.2	5.5	5.5	5.5	5.5	8.2
25°	63.1	52.1	32.9	19.2	11.0	5.5	2.7	2.7	2.7	2.7	2.7
27.5°	63.1	52.1	30.2	16.5	8.2	5.5	2.7	0.0	0.0	0.0	0.0
30°	60.3	49.4	27.4	13.7	5.5	2.7	0.0	0.0	0.0	0.0	0.0
32.5°	60.3	46.6	21.9	11.0	5.5	2.7	0.0	0.0	0.0	0.0	0.0
35°	63.1	43.9	19.2	8.2	2.7	0.0	0.0	0.0	0.0	0.0	2.7
37.5°	65.8	41.1	16.5	5.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	68.6	38.4	16.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	74.0	38.4	13.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	79.5	38.4	11.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	90.5	41.1	11.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	98.7	43.9	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	109.7	41.1	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	123.4	41.1	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	134.4	38.4	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	139.9	35.6	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	167.3	32.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	260.5	27.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	529.2	24.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	987.2	21.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1105.1	24.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	696.5	19.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	367.5	19.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	183.7	19.2	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	85.0	13.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	35.6	8.2	5.5	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.5	8.2	5.5	5.5	2.7	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	8.2	8.2	8.2	5.5	5.5	2.7	2.7	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: SP1-2407-184-11

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

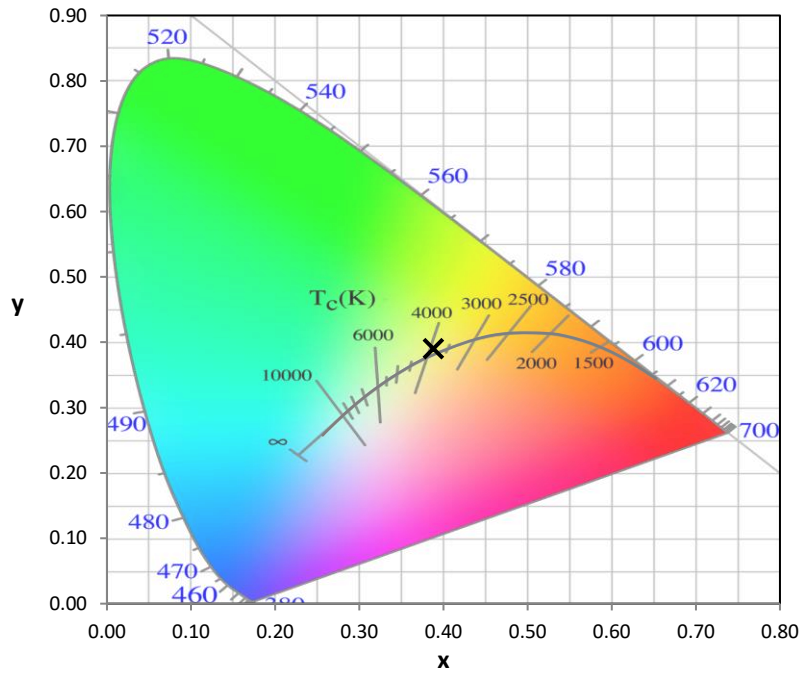
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

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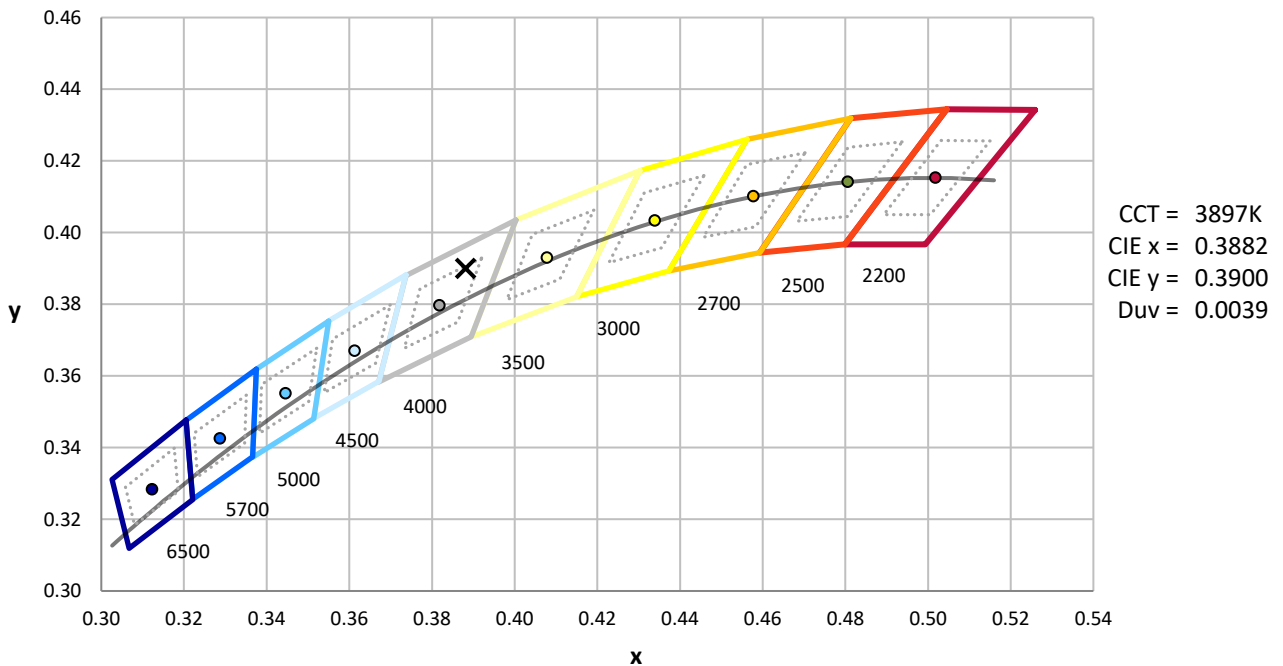
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

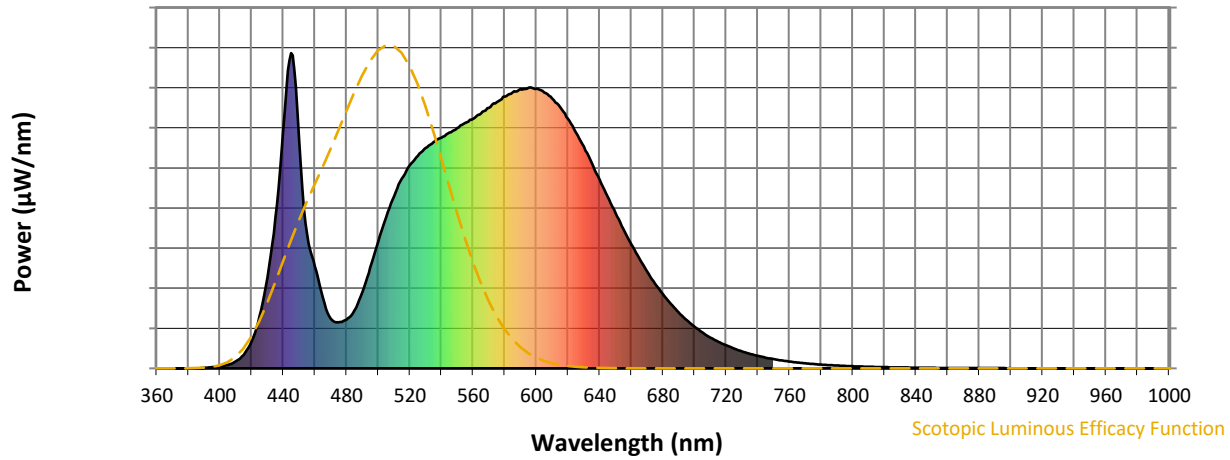


Photopic Lumens: NR

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			

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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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.06

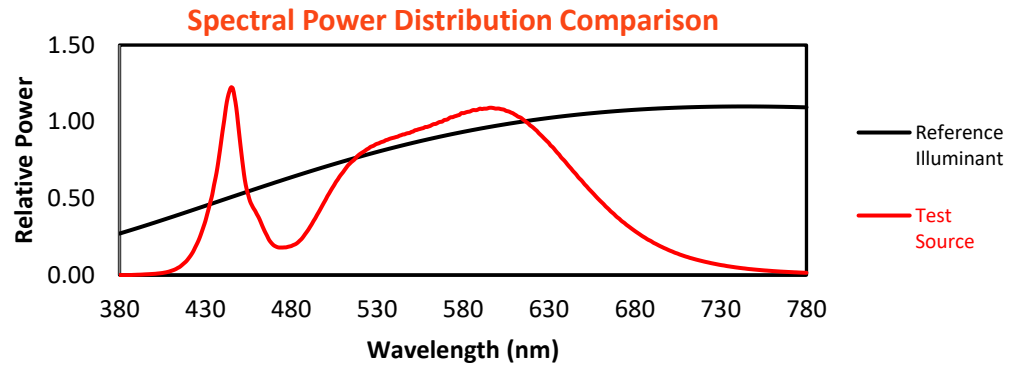
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	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			

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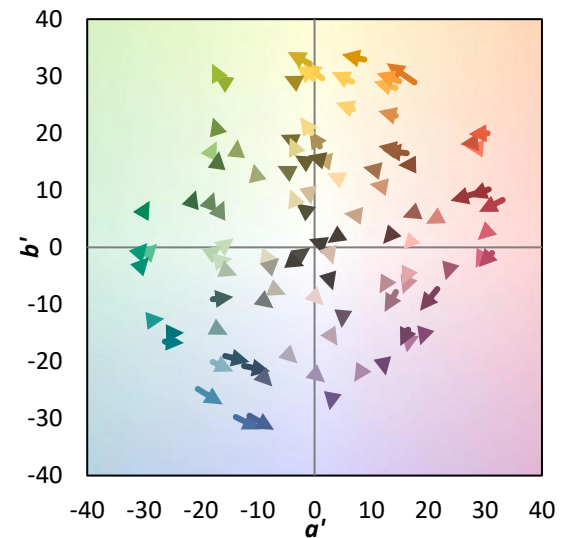
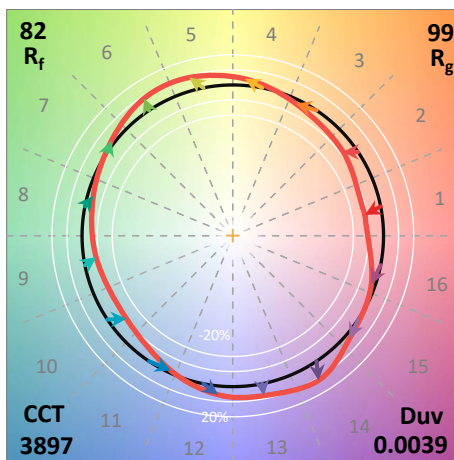
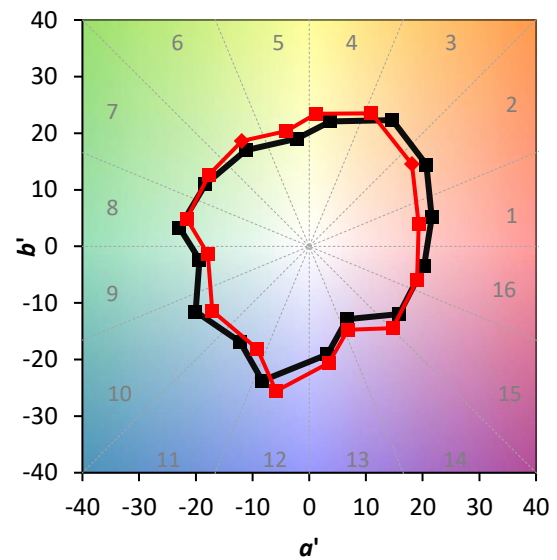
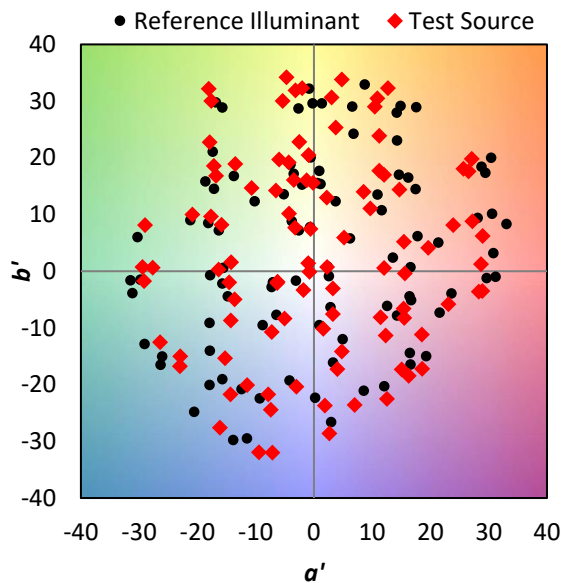
TM-30-18

Summary

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

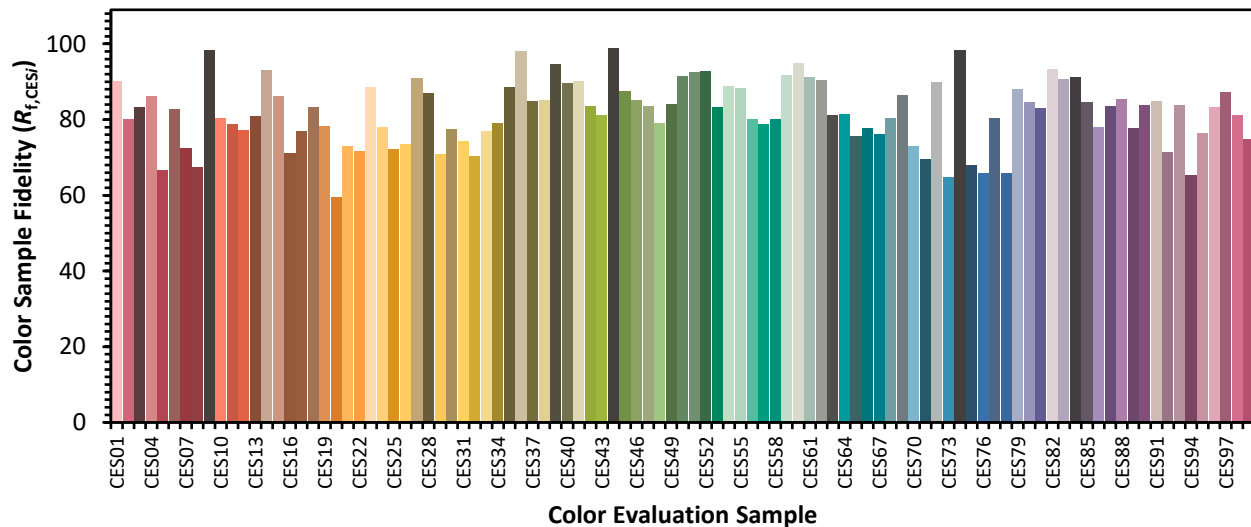


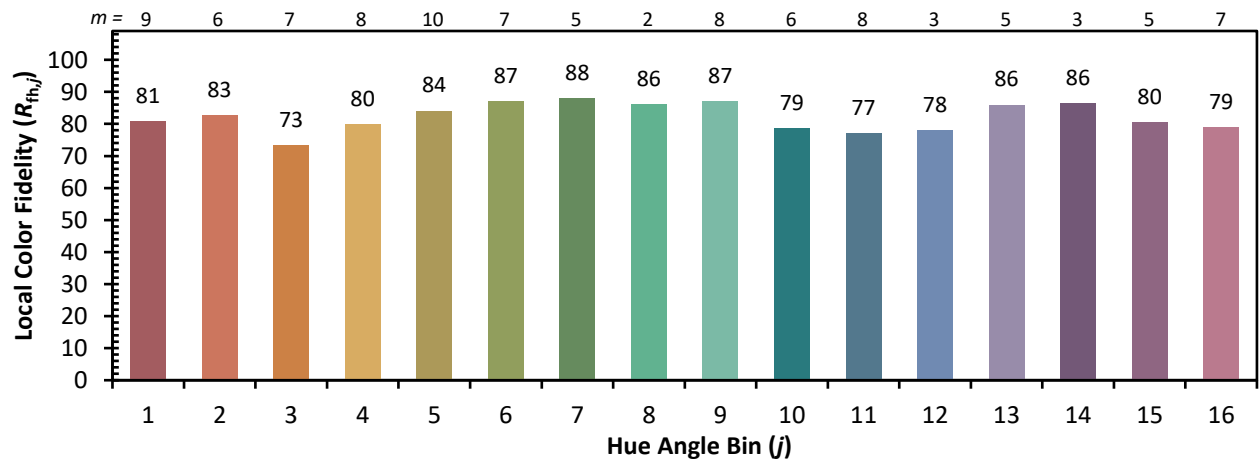
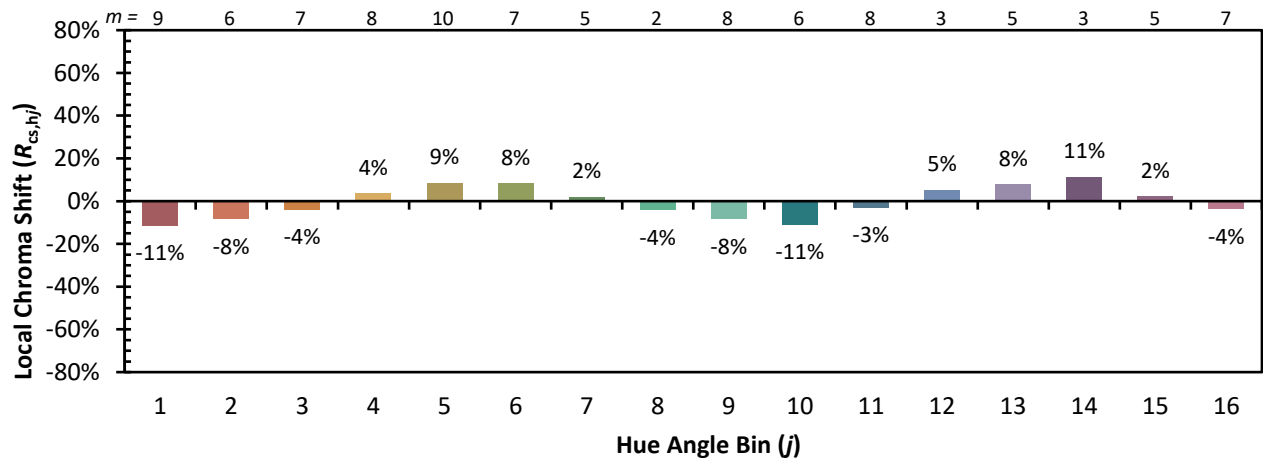
Color Vector Graphics



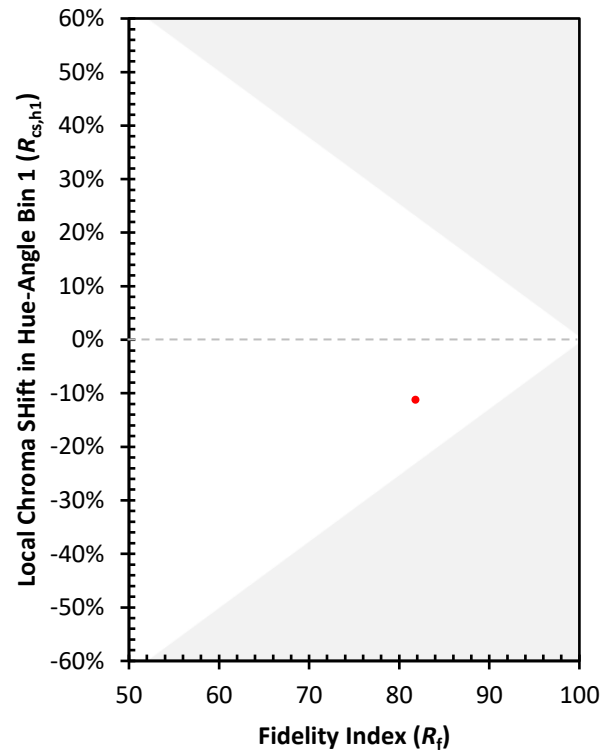
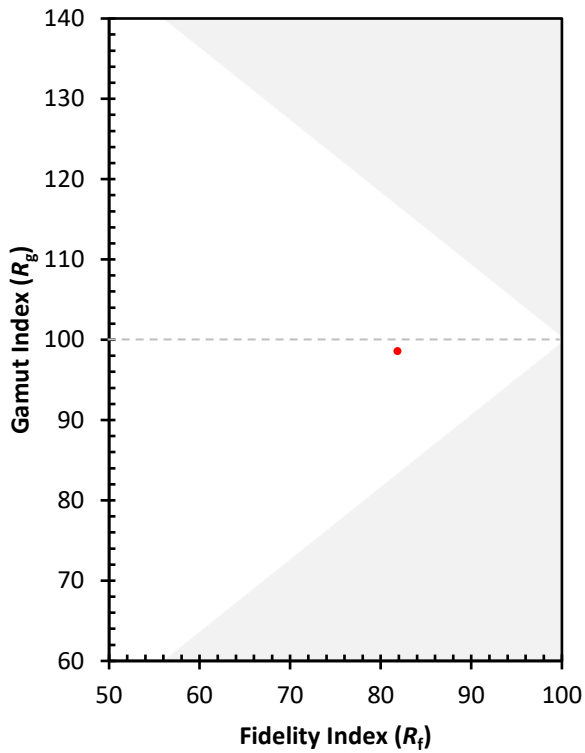
Individual Sample Fidelity Index ($R_{f,i}$)

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)