

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: P1048029

Luminaire Tested: **GALN-SA3A-850-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048029
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-850-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 5000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (42) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9977.4 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - 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



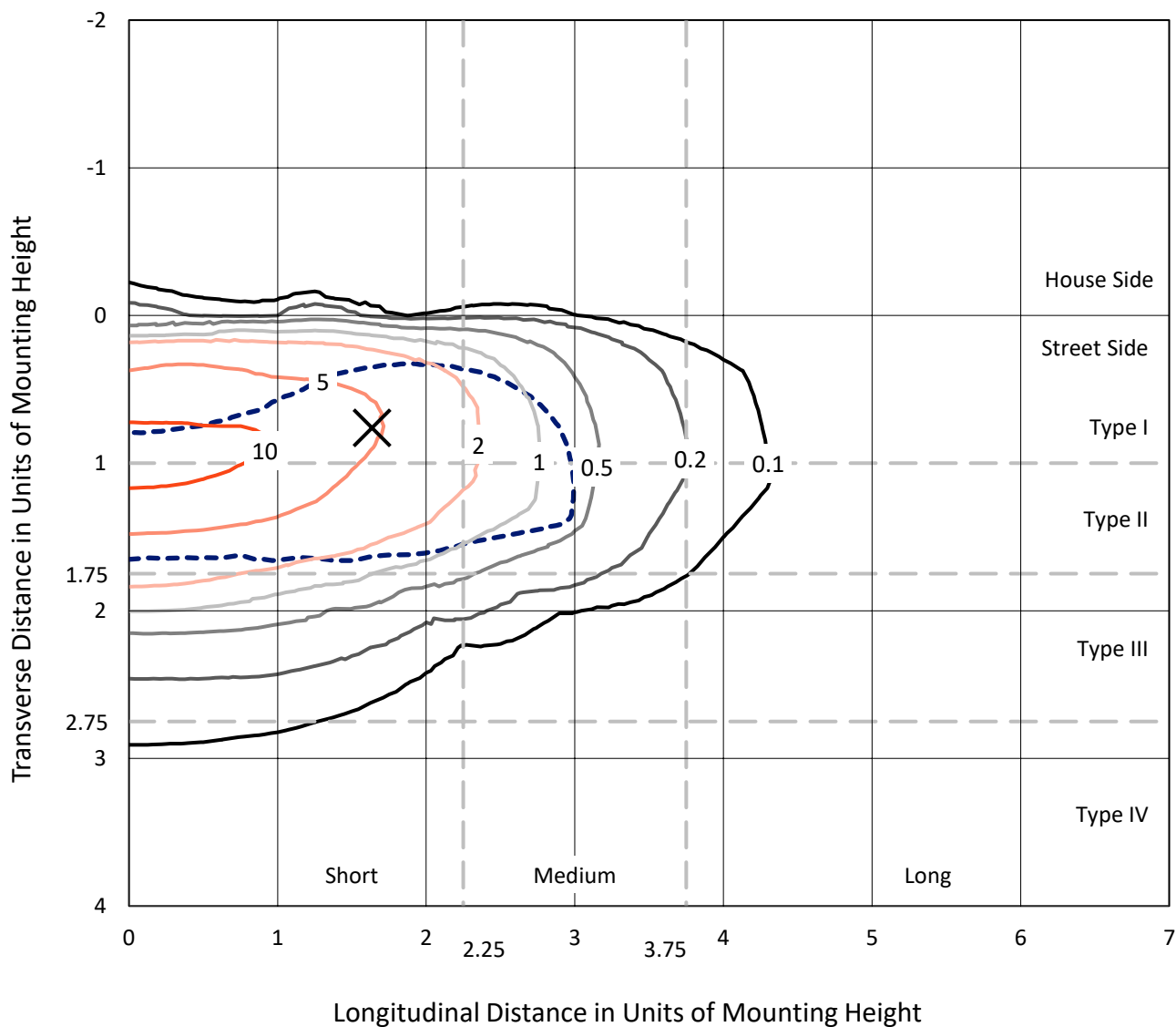
REPORT NUMBER: P1048029

CATALOG NUMBER: GALN-SA3A-850-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

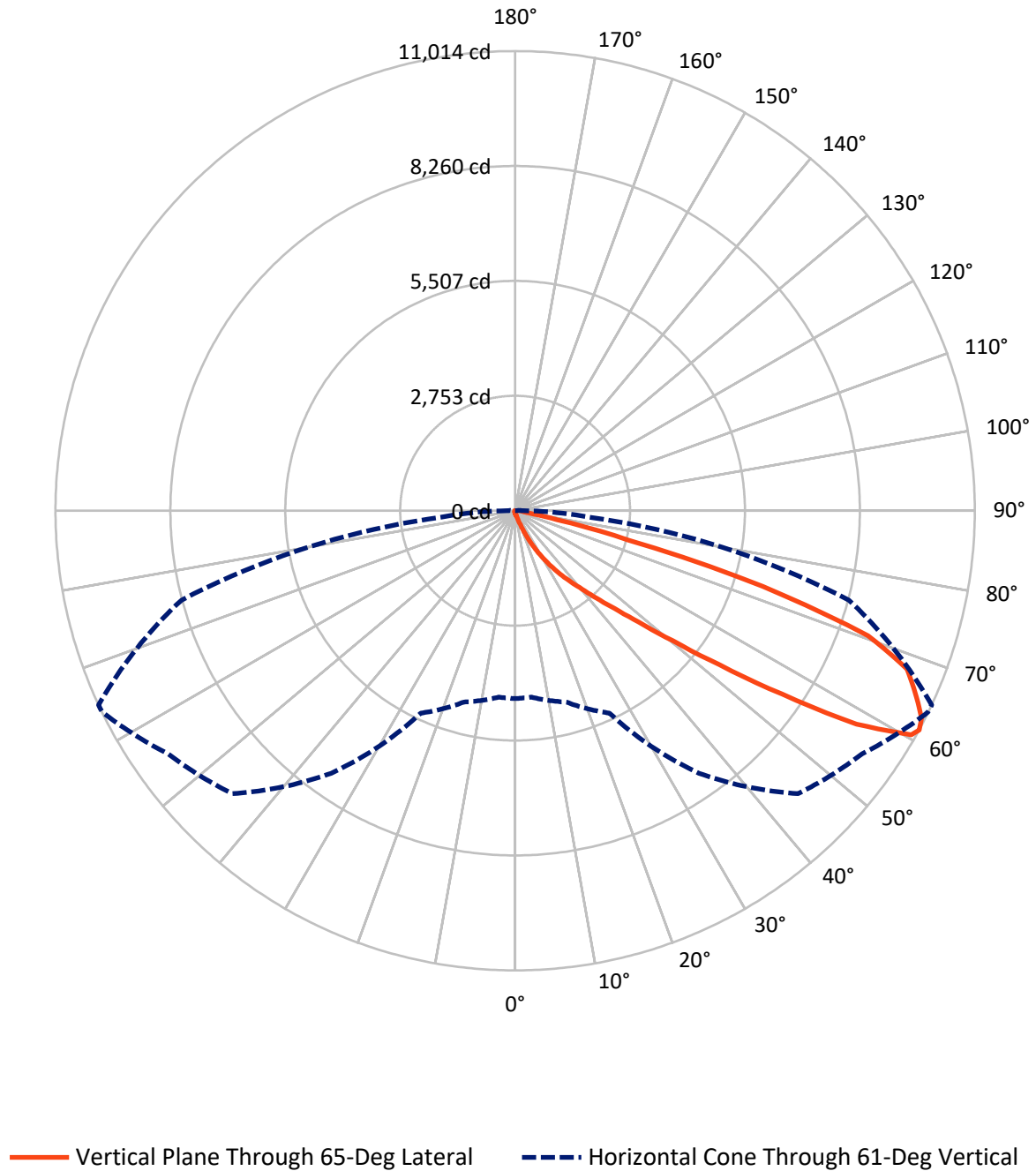


Based on 15 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - N/A

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CATALOG NUMBER: GALN-SA3A-850-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048029

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	42.6	0.0	42.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	9934.8	0.0	9934.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	9977.4	0.0	9977.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.1
10°-20°	82.0	0.8
20°-30°	294.4	3.0
30°-40°	783.9	7.9
40°-50°	2059.4	20.6
50°-60°	3190.4	32.0
60°-70°	2675.1	26.8
70°-80°	787.2	7.9
80°-90°	97.1	1.0
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°	9977.4	100.0
0°-180°	9977.4	100.0



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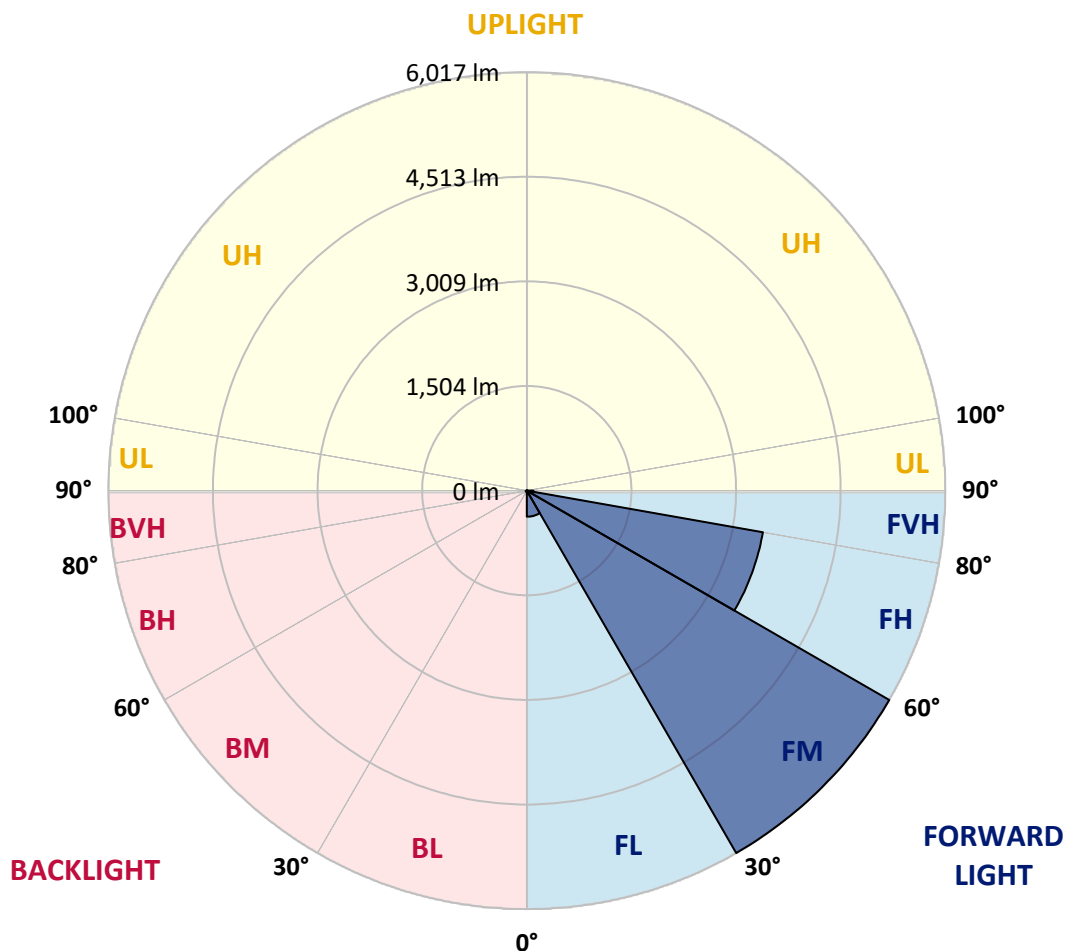
CATALOG NUMBER: GALN-SA3A-850-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	374.7	3.8			
FM	(30°-60°)	6017.5	60.3			
FH	(60°-80°)	3447.3	34.6			G2/5000
FVH	(80°-90°)	95.3	1.0			G1/100
BL	(0°-30°)	9.6	0.1	B0/110		
BM	(30°-60°)	16.2	0.2	B0/220		
BH	(60°-80°)	15.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	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-G2

Type II Short



REPORT NUMBER: P1048029

CATALOG NUMBER: GALN-SA3A-850-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
2.5°	74.1	74.8	73.4	70.7	68.6	68.6	67.9	65.9	65.9	63.8	62.5
5°	103.6	102.3	99.5	94.0	89.2	84.4	79.6	74.8	74.1	67.9	63.8
7.5°	169.5	170.9	162.0	144.8	130.4	111.9	94.7	84.4	83.0	72.8	64.5
10°	372.0	361.7	341.1	274.5	225.8	170.2	126.3	98.1	96.8	78.2	65.9
12.5°	678.1	669.9	632.1	563.5	437.9	304.7	184.6	121.5	117.4	83.0	66.6
15°	977.3	964.3	943.7	874.4	727.5	546.3	302.0	166.1	155.1	89.9	65.9
17.5°	1168.1	1170.2	1151.7	1122.2	1027.4	808.5	521.6	247.8	226.5	102.3	64.5
20°	1334.9	1330.1	1340.4	1324.6	1258.1	1098.8	759.1	392.6	356.2	122.2	65.2
22.5°	1527.1	1538.8	1546.3	1542.9	1469.4	1333.6	1028.8	587.5	541.5	158.5	67.3
25°	1784.5	1783.1	1783.8	1774.9	1703.5	1552.5	1299.2	829.8	783.1	217.6	72.1
27.5°	2054.2	2062.4	2065.9	2033.6	1940.3	1792.0	1549.7	1094.7	1039.8	312.3	78.2
30°	2422.8	2415.9	2400.1	2334.2	2221.0	2037.0	1796.8	1372.7	1315.0	444.7	87.9
32.5°	2919.7	2912.1	2832.5	2687.0	2517.5	2292.4	2045.3	1651.3	1581.3	610.2	100.9
35°	3738.5	3750.1	3554.5	3177.7	2873.7	2599.2	2320.5	1928.6	1866.8	814.0	118.7
37.5°	4992.4	4928.6	4663.0	3997.2	3342.5	2982.1	2583.4	2208.6	2155.1	1065.2	142.1
40°	6210.7	6147.5	6070.7	5439.9	4157.1	3404.2	2951.2	2537.4	2468.1	1348.7	176.4
42.5°	7491.4	7456.4	7452.9	6977.3	5643.8	4067.9	3393.9	2922.4	2863.4	1659.6	232.7
45°	8398.7	8363.7	8437.1	8520.2	7668.4	5490.0	4164.7	3422.8	3337.0	2037.0	322.6
47.5°	8520.9	8522.2	8718.5	8978.7	9172.9	7689.7	5191.5	4085.8	3981.4	2577.2	473.6
50°	8114.6	8130.4	8442.6	8908.0	9431.0	9535.3	7002.0	5048.0	4893.6	3217.5	687.7
52.5°	7341.1	7358.9	7794.0	8559.3	9193.5	9978.7	9133.8	6306.8	6129.0	4016.4	989.7
55°	6644.4	6655.4	7154.4	8121.4	8907.3	9737.8	10399.4	7987.6	7754.2	4999.3	1287.6
57.5°	5954.7	5929.3	6253.9	7361.0	8858.6	9441.9	10586.1	9903.2	9645.8	6073.4	1519.6
60°	5032.2	4989.7	5250.5	5954.7	8217.5	9636.2	10236.7	10962.9	10904.5	7568.9	1698.7
61°	4501.7	4483.8	4746.0	5350.0	7678.1	9586.8	10153.0	11007.5	11013.7	8276.5	1779.0
62.5°	3214.8	3265.6	3666.4	4451.6	6431.0	9266.2	10164.0	10869.5	10930.6	9216.8	1986.9
65°	1429.0	1510.6	1822.2	2461.2	3739.9	7708.3	10066.5	10566.8	10536.6	9474.9	2703.5
67.5°	847.6	860.0	1015.1	1394.6	1980.8	4146.2	8883.3	10166.7	10126.2	8248.4	3363.7
70°	667.8	674.0	723.4	875.1	1149.6	1588.2	5070.0	8796.1	8972.5	6688.4	3293.0
72.5°	633.5	632.1	639.0	665.7	724.1	787.9	1962.9	5846.9	6205.9	4816.7	2761.1
75°	625.3	622.5	615.6	605.3	524.4	464.0	608.1	2586.1	2794.1	3291.0	2078.9
77.5°	606.7	607.4	608.8	580.6	449.6	328.1	294.4	829.8	1020.6	2088.5	1477.7
80°	410.4	416.6	426.9	415.9	404.3	237.5	208.0	295.1	299.2	1172.3	976.0
82.5°	208.0	208.0	203.2	181.2	156.5	154.4	165.4	214.1	216.9	593.0	459.2
85°	125.6	132.5	135.2	122.9	112.6	103.6	126.3	170.2	176.4	229.9	107.1
87.5°	28.1	28.8	31.6	41.9	61.1	83.0	117.4	155.8	158.5	147.6	13.0
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: P1048029

CATALOG NUMBER: GALN-SA3A-850-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
2.5°	61.8	60.4	59.7	57.7	55.6	53.5	52.2	51.5	52.2	52.8	52.8
5°	61.1	59.0	55.6	52.2	49.4	46.7	43.9	43.2	43.2	43.9	43.9
7.5°	61.1	57.7	52.8	48.7	44.6	40.5	38.4	37.1	37.7	37.7	37.7
10°	61.1	57.0	50.8	44.6	39.8	35.0	31.6	30.2	30.2	30.2	30.2
12.5°	60.4	56.3	48.7	41.2	34.3	28.8	24.7	22.6	23.3	23.3	23.3
15°	59.0	54.2	46.0	35.0	27.5	22.0	17.8	15.8	16.5	17.8	18.5
17.5°	57.0	52.2	41.2	29.5	22.0	16.5	12.4	11.0	11.7	13.7	13.7
20°	56.3	50.1	36.4	24.0	16.5	11.7	8.2	6.9	7.5	10.3	11.0
22.5°	56.3	48.7	32.9	19.9	12.4	7.5	4.8	2.7	2.7	4.8	4.8
25°	57.0	48.0	30.2	16.5	8.9	5.5	2.7	1.4	2.7	7.5	8.9
27.5°	58.3	47.4	28.8	13.7	6.9	4.8	2.1	4.8	8.2	8.2	8.2
30°	59.7	46.0	26.8	11.7	6.2	3.4	3.4	6.9	6.9	8.2	8.9
32.5°	61.8	45.3	25.4	10.3	4.8	2.7	4.8	4.1	4.1	4.8	5.5
35°	65.9	46.0	24.0	10.3	4.8	3.4	4.1	2.1	1.4	1.4	1.4
37.5°	71.4	46.7	22.0	8.9	4.1	4.1	2.1	0.0	0.0	0.0	0.0
40°	80.3	48.7	20.6	8.2	3.4	3.4	0.7	0.0	0.0	0.0	0.0
42.5°	95.4	52.8	19.9	7.5	3.4	2.7	0.0	0.0	0.0	0.0	0.0
45°	125.6	62.5	18.5	6.9	3.4	1.4	0.0	0.0	0.0	0.0	0.0
47.5°	180.5	85.1	17.8	5.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	263.6	115.3	17.2	4.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	336.3	121.5	11.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	344.5	83.7	8.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	274.5	54.2	7.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	208.0	41.2	6.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	199.7	37.1	6.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	220.3	32.3	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	358.3	26.8	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	622.5	23.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	786.5	22.0	4.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	685.7	19.9	4.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	412.5	17.2	4.1	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	216.2	13.0	4.1	3.4	2.1	0.7	0.0	0.0	0.0	0.0	0.0
80°	105.0	11.7	4.8	3.4	2.7	1.4	0.0	0.0	0.0	0.0	0.0
82.5°	41.2	9.6	5.5	4.8	3.4	2.1	0.7	0.0	0.0	0.0	0.0
85°	18.5	8.2	6.2	5.5	4.8	2.7	0.7	0.0	0.0	0.0	0.0
87.5°	9.6	7.5	6.9	6.2	4.8	3.4	1.4	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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

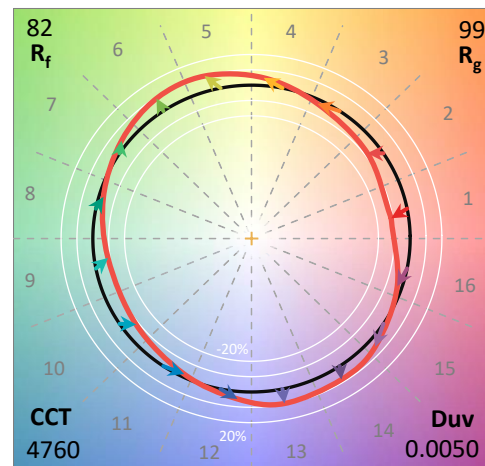
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-12
 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-850-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4760
 CIE u' : 0.2107
 CIE v' : 0.4939
 Duv: 0.0050
 CIE x: 0.3537
 CIE y: 0.3685
 CIE z: 0.2779
 Peak Wavelength (nm): 443
 Dominant Wavelength (nm): 571
 Purity: 16.69598
 R_f: 82
 R_g: 99.4

CRI (Ra): 81.1
 R1: 79.8
 R2: 83.5
 R3: 87.9
 R4: 83.1
 R5: 80.5
 R6: 79.1
 R7: 86.1
 R8: 69.0
 R9: 8.7
 R10: 62.4
 R11: 83.8
 R12: 63.0
 R13: 79.9
 R14: 93.3
 R15: 72.7



Test Conditions

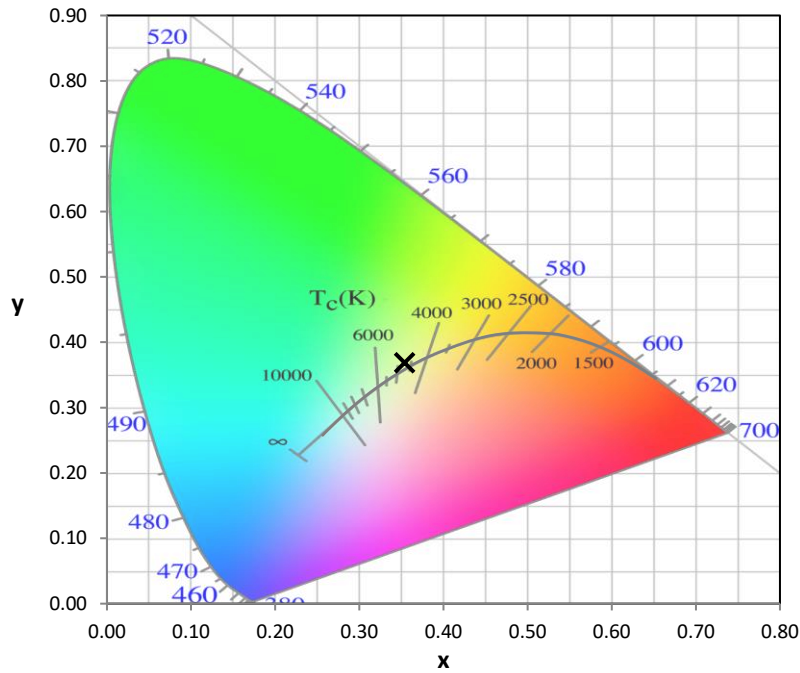
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-12

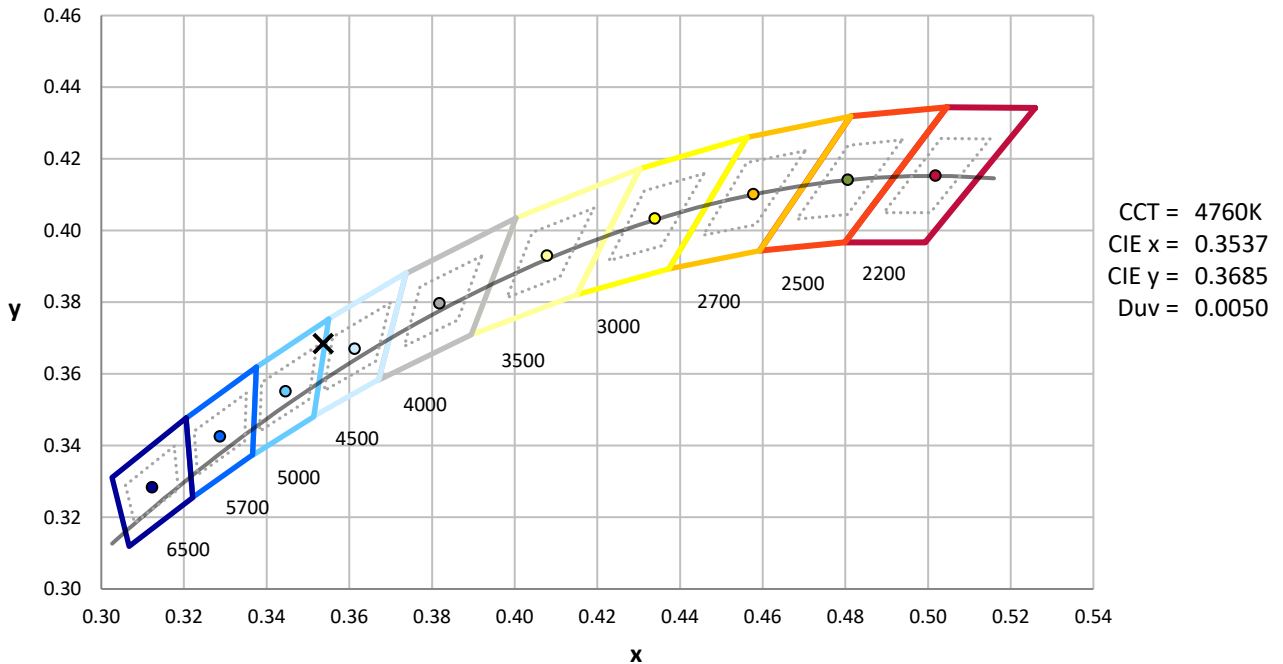
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 7-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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Scotopic Flux vs. Wavelength



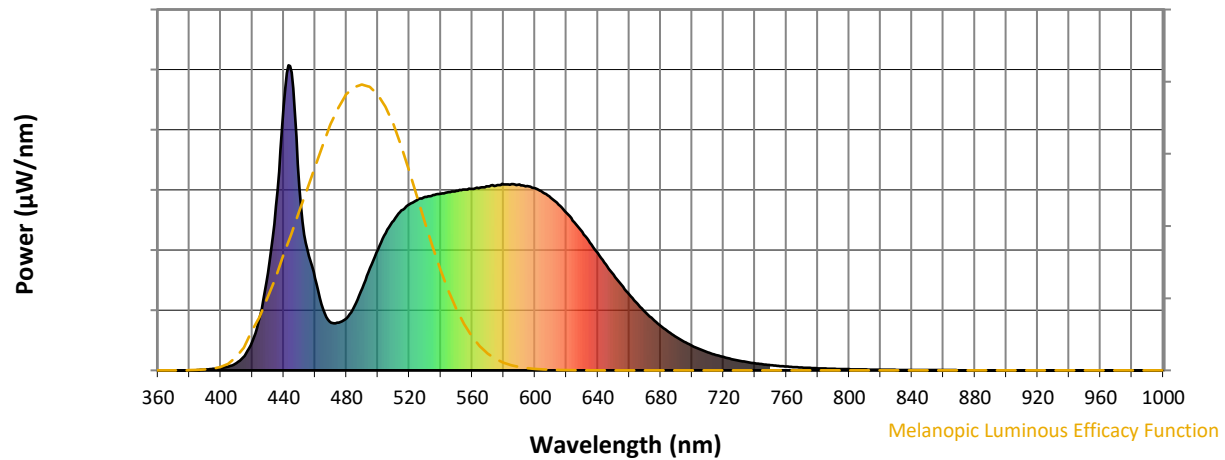
Scotopic Lumens: NR

S/P: 1.83

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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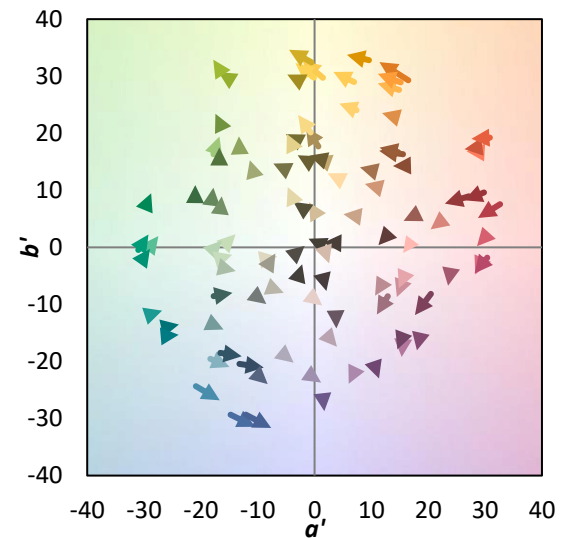
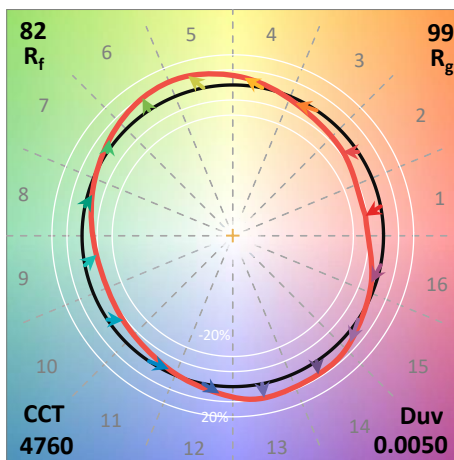
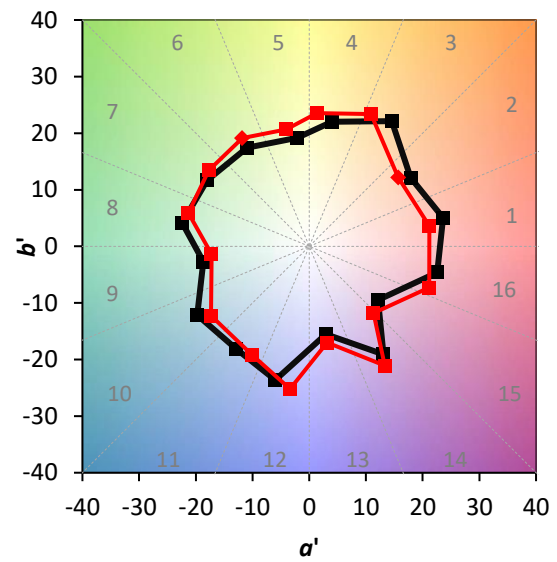
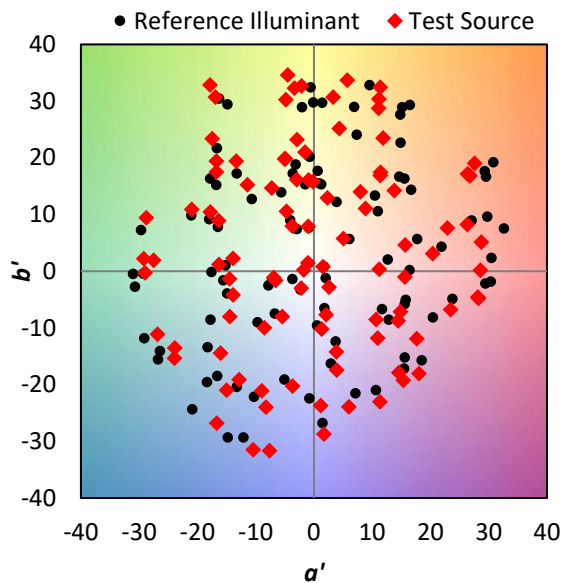
TM-30-18

Summary

$R_f = 82$
 $R_g = 99.4$
 $CIE R_a = 81.1$
 $R_9 = 8.7$

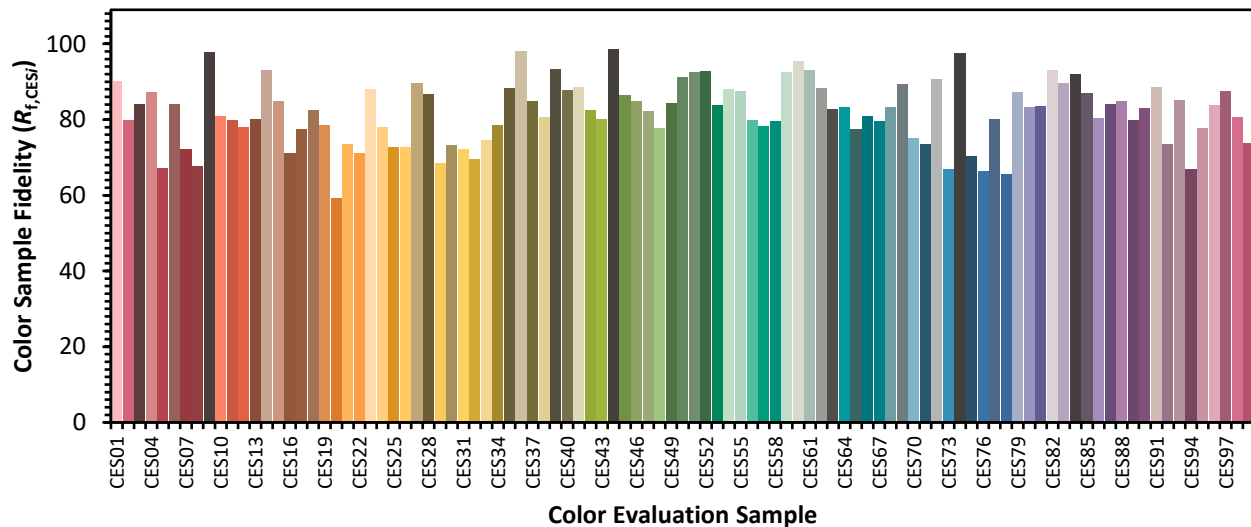


Color Vector Graphics

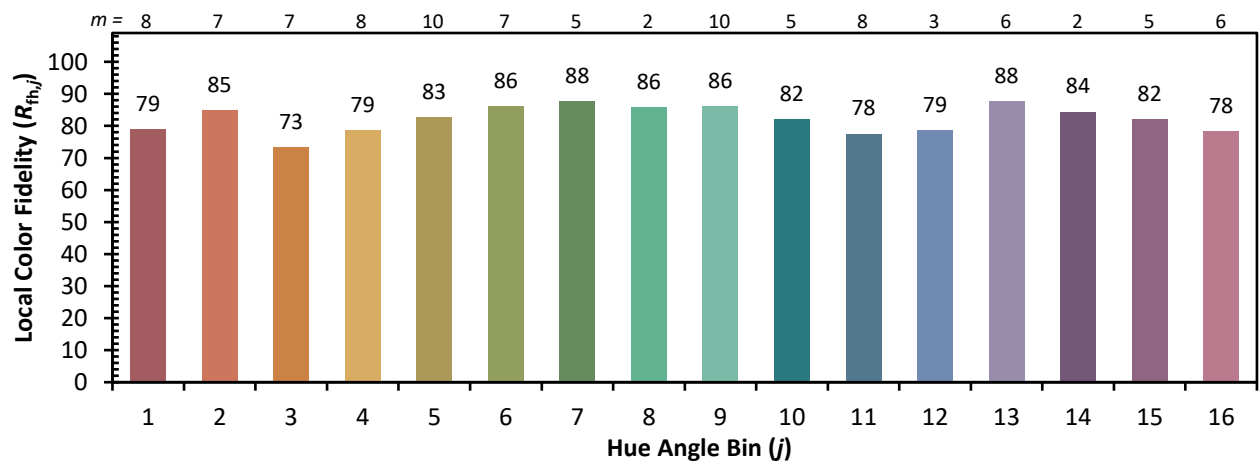


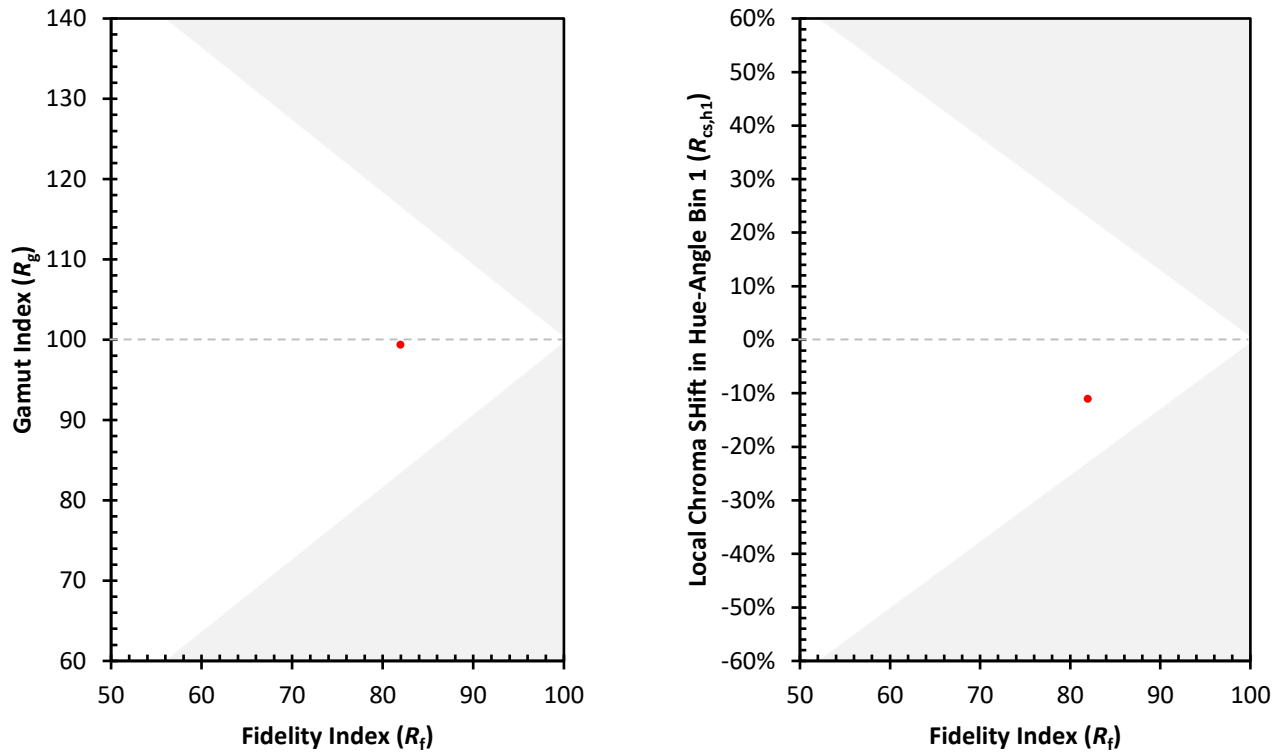
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)