

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: P1048637

Luminaire Tested: **GALN-SA2A-850-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048637
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2A-850-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
80CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6759.8 lumens
Efficiency: N/A
Efficacy: 121.1 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): 55.8
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

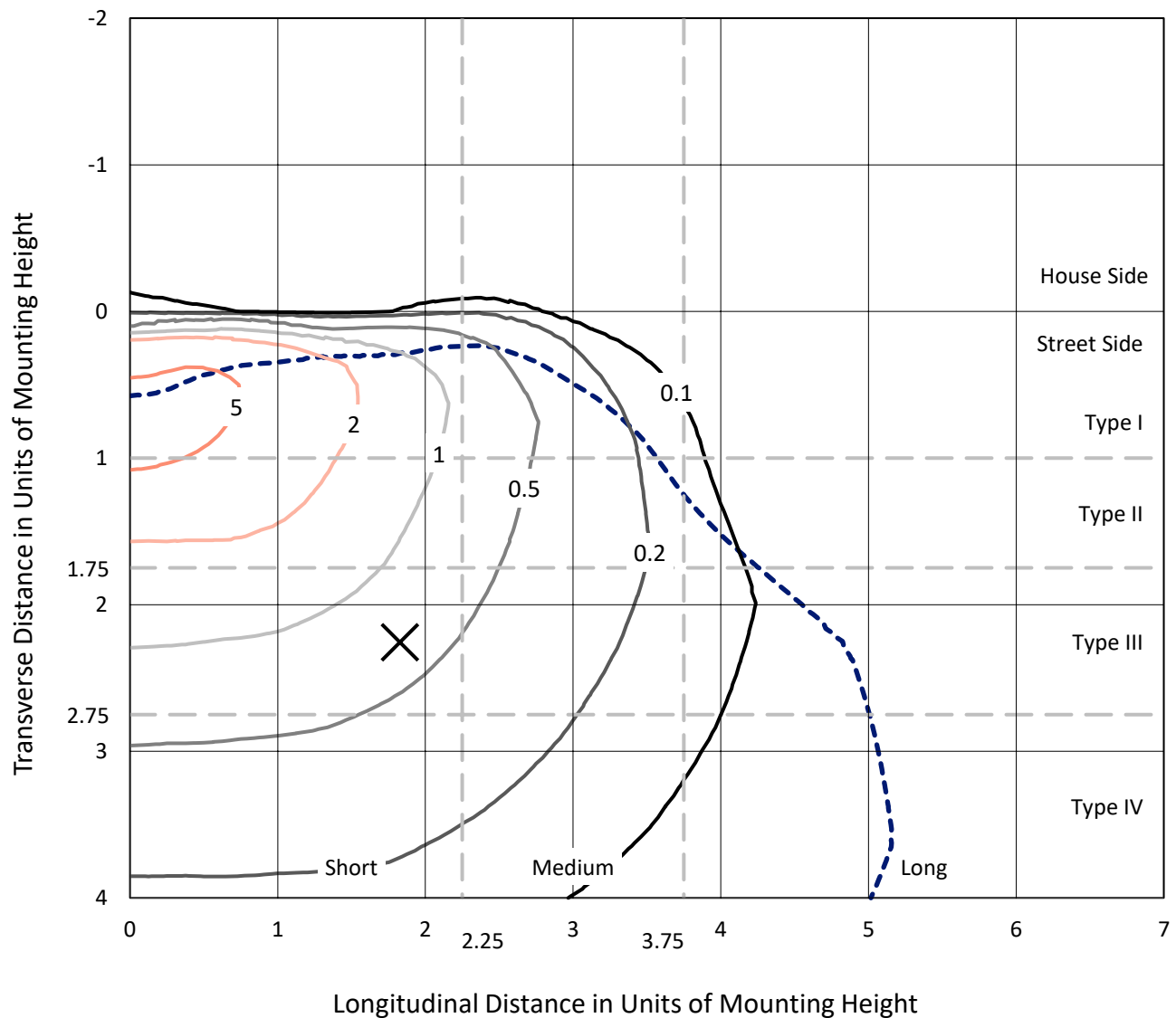


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

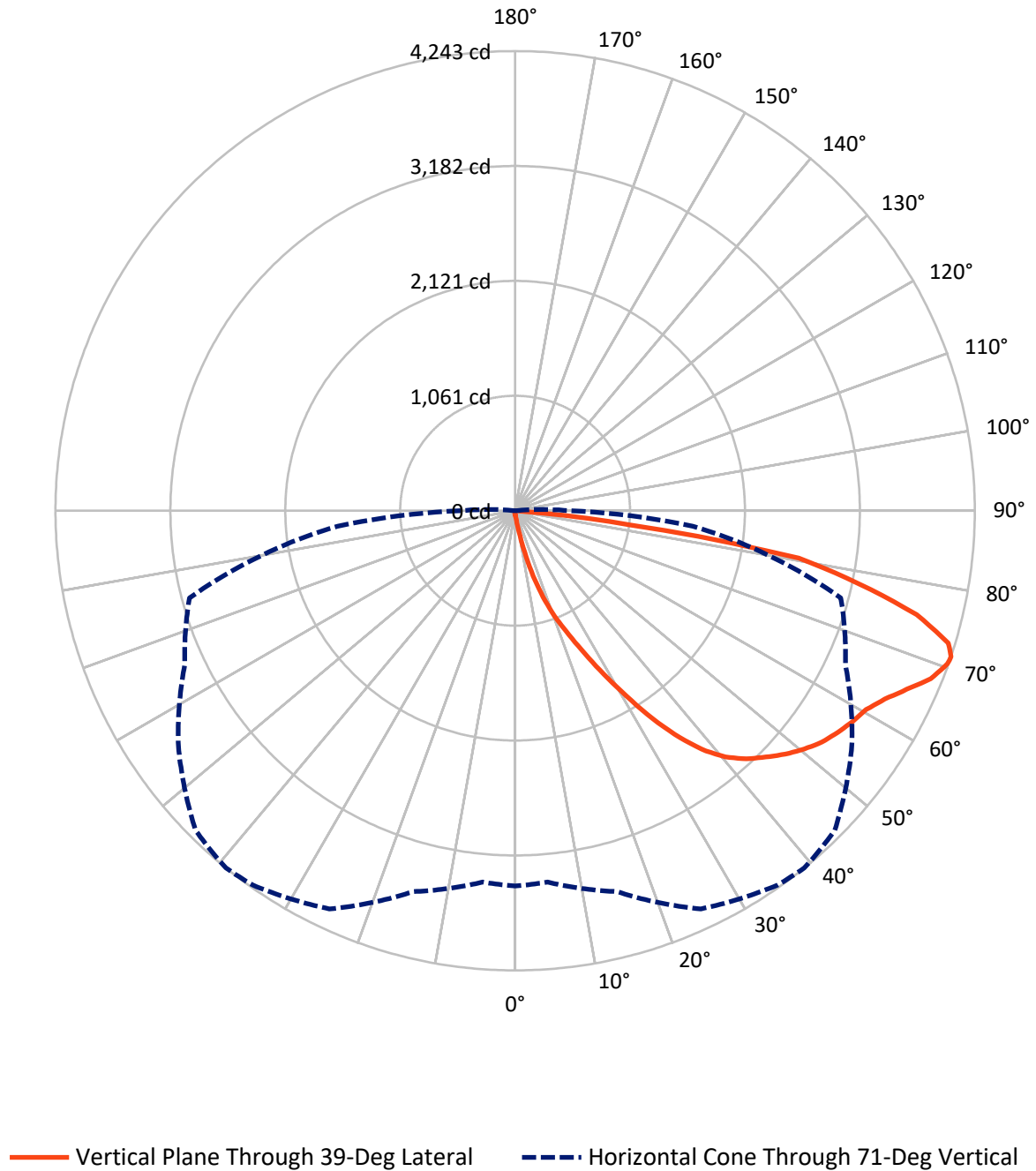


Based on 15 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

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CATALOG NUMBER: GALN-SA2A-850-U-T4BC

Luminous Intensity Polar Plot



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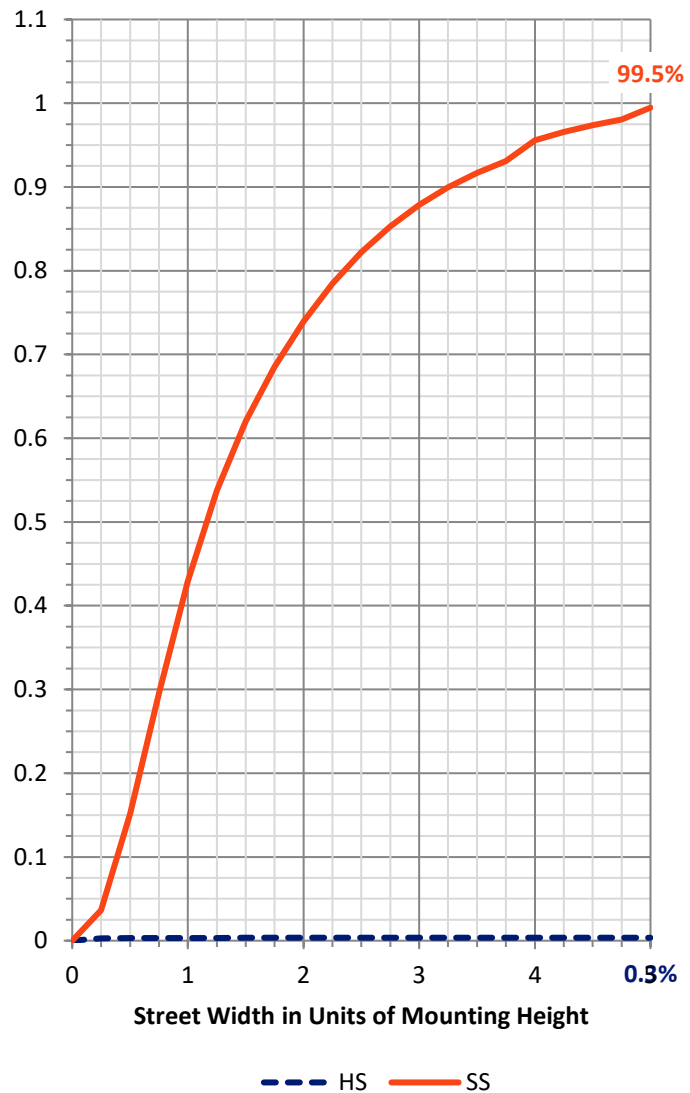
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24.0	0.0	24.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	6735.8	0.0	6735.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	6759.8	0.0	6759.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.1
10°-20°	72.2	1.1
20°-30°	257.3	3.8
30°-40°	620.1	9.2
40°-50°	1037.8	15.4
50°-60°	1332.9	19.7
60°-70°	1686.8	25.0
70°-80°	1503.9	22.2
80°-90°	243.1	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°	6759.8	100.0
0°-180°	6759.8	100.0



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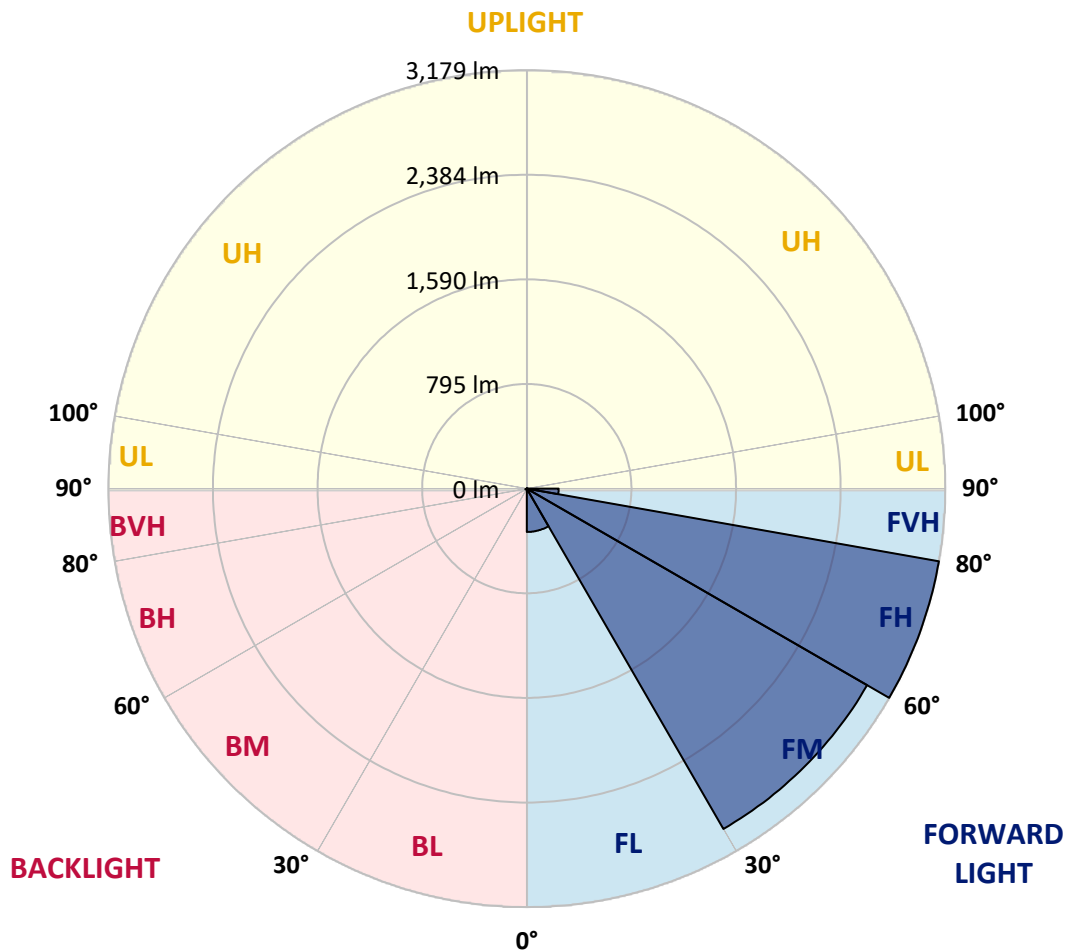
CATALOG NUMBER: GALN-SA2A-850-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.4	4.9			
FM	(30°-60°)	2985.3	44.2			
FH	(60°-80°)	3179.2	47.0			G2/5000
FVH	(80°-90°)	242.0	3.6			G3/500
BL	(0°-30°)	5.8	0.1	B0/110		
BM	(30°-60°)	5.6	0.1	B0/220		
BH	(60°-80°)	11.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2.5°	42.6	42.6	42.6	41.2	41.2	40.7	40.3	40.3	39.4	38.9	38.0
5°	64.5	63.1	59.9	58.1	54.5	52.2	49.9	46.7	43.5	41.2	38.4
7.5°	146.0	149.2	138.7	119.0	98.8	90.1	75.5	60.9	50.3	43.5	38.9
10°	372.0	370.2	334.5	295.2	227.9	200.9	157.4	99.3	65.0	47.6	39.4
12.5°	632.9	631.0	588.9	535.4	446.6	390.3	308.0	185.3	93.4	54.0	39.4
15°	852.1	844.7	831.5	778.4	674.5	627.4	518.5	327.6	151.0	65.0	40.3
17.5°	997.1	990.7	978.4	959.1	893.2	837.4	750.0	514.8	244.4	84.2	42.1
20°	1130.3	1125.7	1115.6	1112.0	1069.4	1039.7	967.4	729.9	380.7	114.4	44.8
22.5°	1313.3	1303.7	1307.8	1285.9	1244.2	1208.5	1164.1	955.0	547.3	164.7	49.9
25°	1537.6	1533.0	1521.5	1506.0	1448.3	1417.2	1349.0	1167.4	733.5	230.6	55.4
27.5°	1808.5	1803.4	1800.7	1765.0	1698.6	1664.8	1569.6	1367.8	943.1	323.1	62.7
30°	2120.5	2122.8	2105.0	2059.2	1981.9	1934.3	1836.4	1577.8	1157.7	431.5	70.5
32.5°	2443.6	2439.0	2411.6	2357.6	2288.5	2244.1	2119.6	1808.0	1382.9	574.8	79.6
35°	2791.9	2783.2	2710.9	2649.1	2590.0	2534.2	2420.7	2075.2	1608.0	735.4	92.0
37.5°	3143.3	3102.6	2957.5	2879.3	2838.5	2792.8	2687.1	2360.3	1831.8	914.8	107.1
40°	3408.7	3377.1	3205.1	3060.9	3028.4	2989.5	2910.8	2606.5	2069.8	1107.4	125.4
42.5°	3555.6	3538.2	3383.5	3241.2	3164.8	3130.5	3063.2	2821.6	2305.0	1320.2	151.9
45°	3618.3	3591.3	3487.9	3421.5	3299.8	3243.1	3163.0	2984.0	2550.7	1561.8	189.0
47.5°	3599.1	3583.5	3509.4	3533.6	3445.3	3357.0	3239.4	3108.5	2760.7	1839.1	239.8
50°	3478.3	3465.0	3442.1	3573.4	3562.5	3458.1	3338.2	3206.9	2932.3	2125.1	318.5
52.5°	3248.5	3243.1	3301.6	3542.3	3628.8	3547.4	3433.4	3293.8	3092.5	2423.9	431.1
55°	2952.5	2974.9	3142.4	3493.8	3662.7	3613.3	3517.6	3375.3	3221.1	2691.2	597.2
57.5°	2830.7	2836.7	3045.8	3459.5	3677.8	3671.4	3599.5	3453.1	3339.1	2904.9	850.7
60°	2973.1	2963.9	3074.2	3485.6	3708.0	3723.5	3672.3	3525.4	3441.7	3088.4	1188.4
62.5°	3230.2	3225.2	3260.4	3596.8	3796.3	3827.9	3773.4	3577.6	3532.3	3209.2	1573.7
65°	3460.0	3449.4	3514.9	3794.0	3951.4	3973.8	3926.3	3666.8	3572.1	3297.1	1935.7
67.5°	3559.3	3557.0	3662.2	3981.6	4114.3	4138.6	4096.9	3789.9	3562.9	3325.0	2095.4
70°	3514.0	3505.3	3673.7	4061.3	4206.3	4233.8	4193.5	3835.7	3463.6	3236.6	1858.8
71°	3464.1	3440.7	3639.3	4055.8	4219.1	4242.5	4172.0	3794.0	3363.9	3111.3	1644.2
72.5°	3309.4	3313.5	3545.1	3998.6	4188.5	4181.6	4050.3	3644.8	3243.5	2826.6	1320.7
75°	2928.7	2952.9	3239.8	3758.3	3914.8	3827.4	3626.5	3359.7	3001.9	2026.7	917.0
77.5°	2393.3	2429.4	2744.7	3296.1	3251.7	3243.1	3234.8	2960.3	2563.5	1088.6	637.9
80°	1142.6	1220.9	1655.6	2353.0	2556.2	2654.6	2592.8	2385.5	1982.3	518.5	381.2
82.5°	74.6	73.7	104.3	197.7	833.3	1077.2	1711.4	1705.0	1382.0	252.6	155.6
85°	35.2	36.2	39.8	45.3	52.6	57.7	79.6	466.8	661.2	120.4	33.9
87.5°	20.6	21.0	24.7	31.6	41.2	45.8	54.5	70.0	86.0	66.4	7.3
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: P1048637

CATALOG NUMBER: GALN-SA2A-850-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2.5°	37.5	37.1	35.7	34.3	32.9	32.0	31.6	32.0	32.0	32.5	32.5
5°	37.5	36.2	33.9	31.1	29.3	27.5	26.5	26.1	26.5	26.5	26.5
7.5°	37.1	34.8	31.6	28.4	26.1	23.8	22.9	22.4	22.4	22.9	22.9
10°	36.2	33.9	29.7	26.1	23.3	20.6	19.2	17.8	17.8	17.8	18.3
12.5°	35.7	32.5	27.5	23.8	20.1	16.9	14.2	12.8	13.3	13.3	13.3
15°	34.8	31.1	26.1	21.5	16.9	12.8	10.5	9.2	9.6	10.1	9.6
17.5°	34.8	30.7	24.3	18.8	13.3	9.6	7.8	6.9	6.9	7.3	7.3
20°	34.8	29.7	22.9	16.0	10.1	7.3	5.5	5.0	5.0	5.9	6.4
22.5°	35.7	29.7	21.0	13.3	8.2	5.5	4.1	3.7	4.1	5.0	5.5
25°	37.1	29.3	19.2	11.9	6.9	4.1	3.2	2.3	2.7	3.7	4.1
27.5°	38.4	28.8	17.4	10.5	5.5	3.2	2.3	1.8	1.4	1.8	1.8
30°	39.8	28.8	15.6	8.7	4.6	2.3	1.4	0.9	0.5	0.0	0.0
32.5°	40.7	27.9	14.2	6.9	3.7	1.8	0.9	0.5	0.0	0.0	0.0
35°	41.6	27.0	12.4	5.5	2.7	1.4	0.5	0.0	0.0	0.0	0.0
37.5°	42.6	25.6	10.5	4.6	2.3	0.9	0.0	0.0	0.0	0.0	0.0
40°	43.5	23.8	8.7	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	44.4	22.4	7.3	3.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	46.7	21.5	5.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	50.8	20.6	5.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	56.7	19.7	5.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	65.0	19.2	4.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	79.6	18.8	4.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	104.8	18.3	4.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	160.6	17.4	4.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	286.9	16.9	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	500.2	17.4	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	717.1	18.3	3.2	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	613.6	16.0	3.2	1.8	0.9	0.5	0.0	0.0	0.0	0.0	0.0
71°	500.2	14.2	3.2	1.8	0.9	0.5	0.5	0.0	0.0	0.0	0.0
72.5°	321.7	11.0	2.7	1.8	0.9	0.9	0.5	0.0	0.0	0.0	0.0
75°	135.9	9.2	2.7	1.8	1.4	0.9	0.9	0.5	0.0	0.0	0.0
77.5°	58.1	6.9	2.7	2.3	1.8	1.4	1.4	0.9	0.5	0.0	0.0
80°	22.0	5.5	3.2	2.7	2.3	2.3	1.8	0.9	0.5	0.0	0.0
82.5°	10.1	4.6	3.2	2.7	2.7	2.3	1.8	1.4	0.9	0.0	0.0
85°	6.4	4.1	3.2	2.7	2.7	2.3	2.3	1.4	0.9	0.0	0.0
87.5°	5.0	4.1	3.2	3.2	2.7	2.7	1.8	1.4	0.5	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

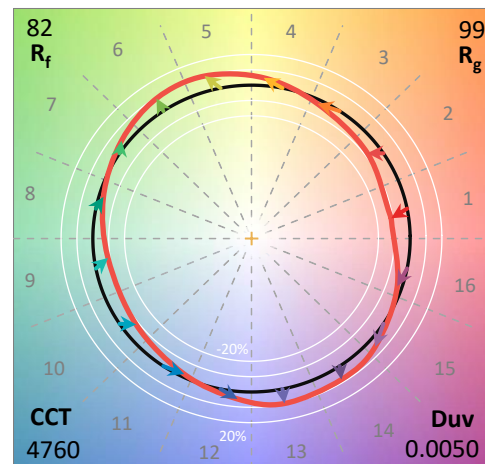
Test Information

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

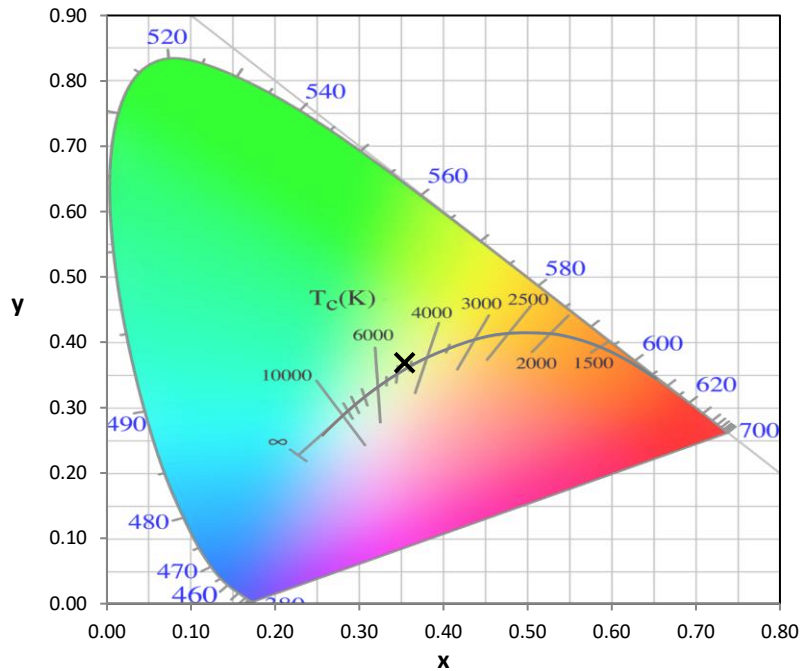
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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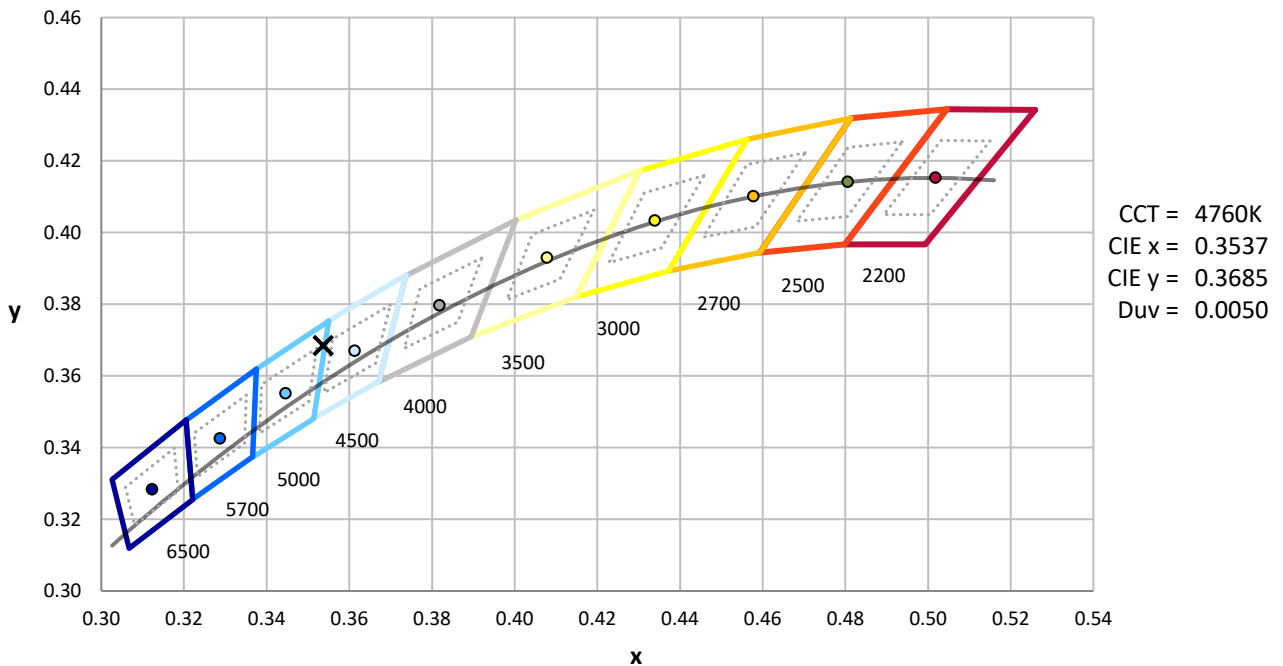
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



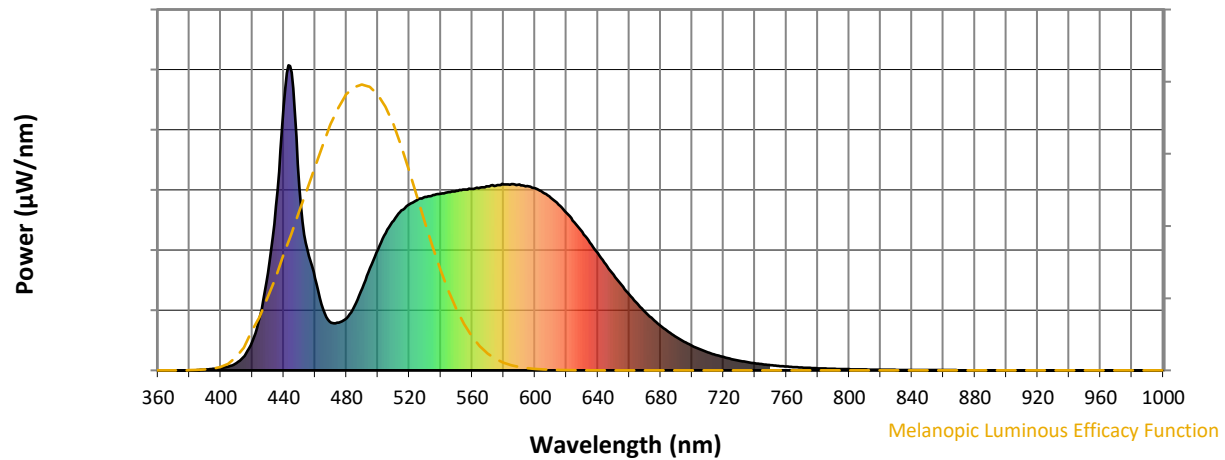
Scotopic Lumens: NR

S/P: 1.83

λ (nm)	Power 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	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 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			

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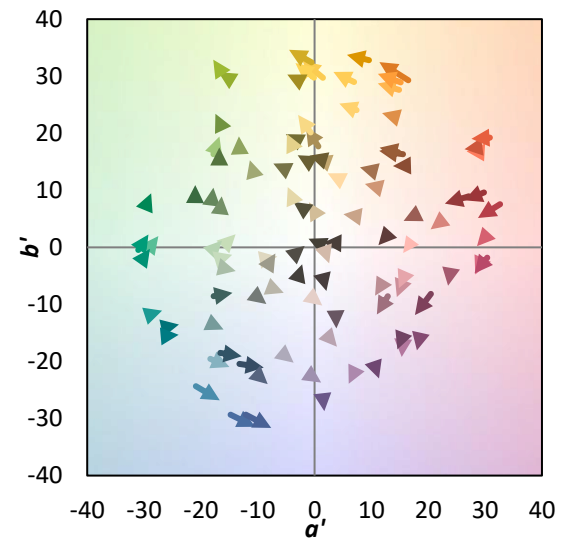
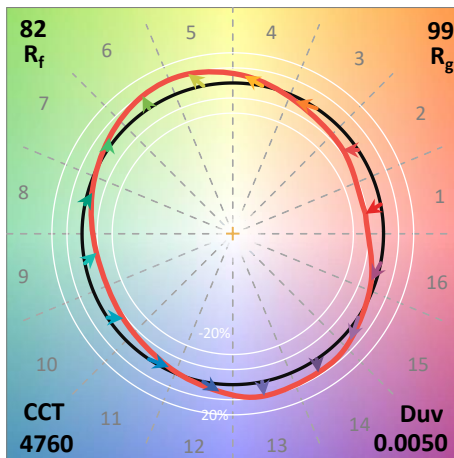
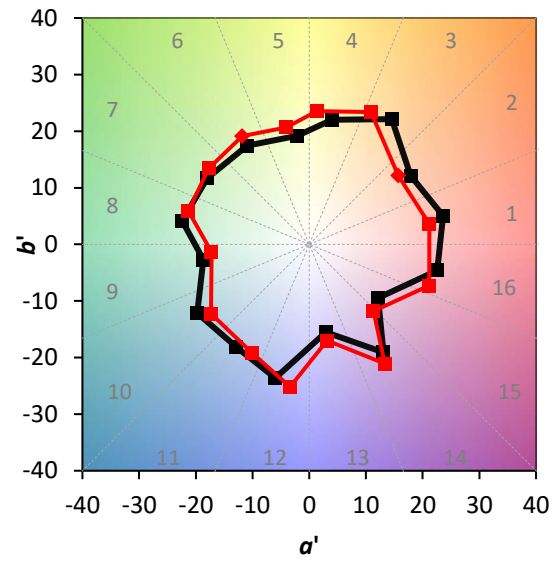
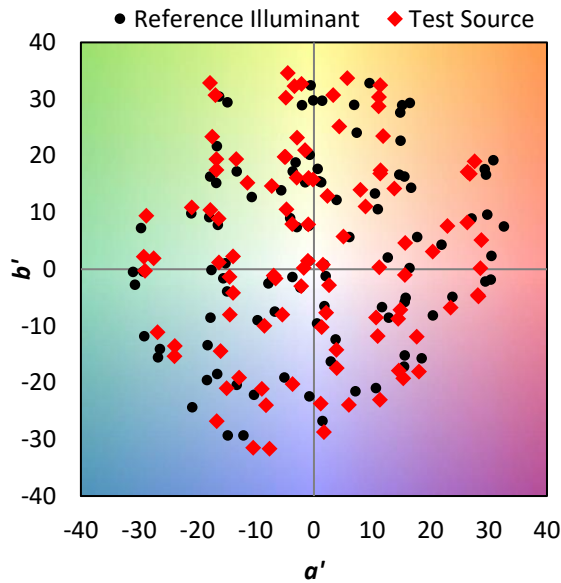
TM-30-18

Summary

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

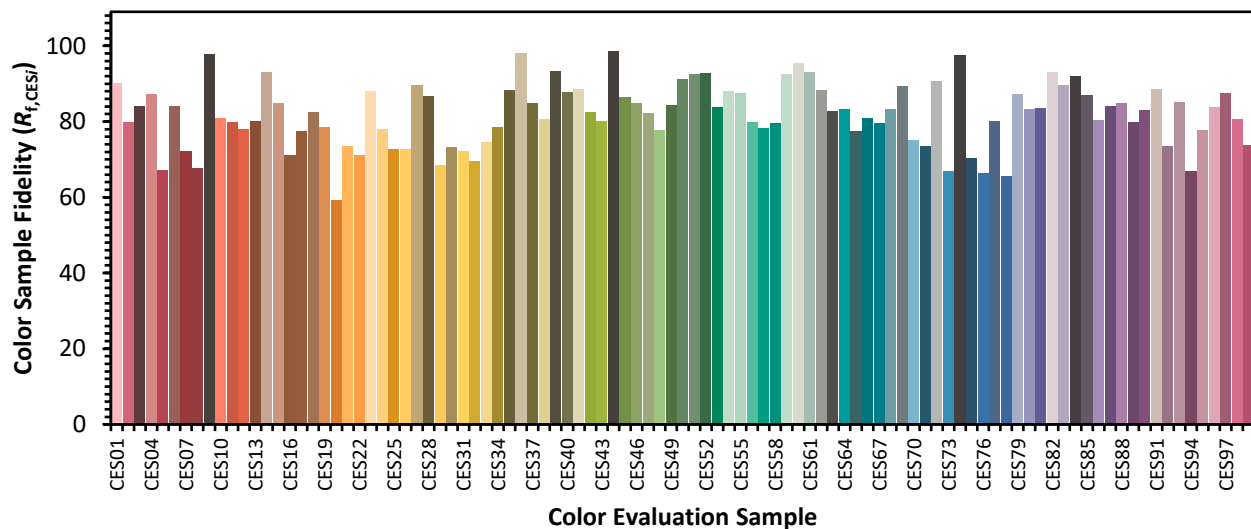


Color Vector Graphics

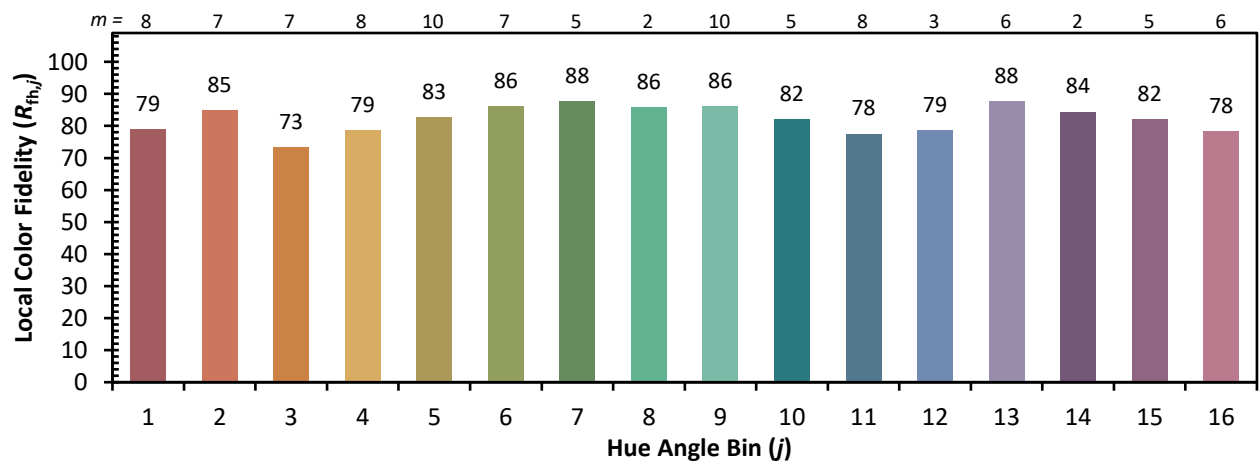


Individual Sample Fidelity Index ($R_{f,i}$)

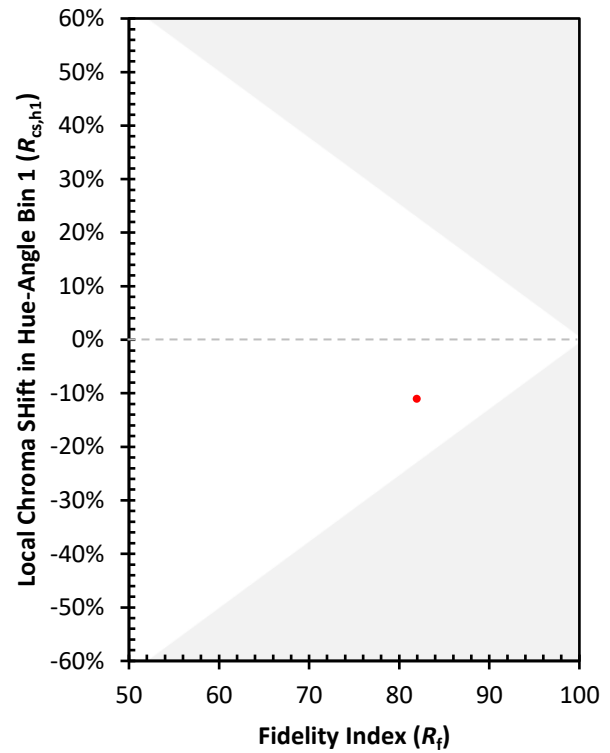
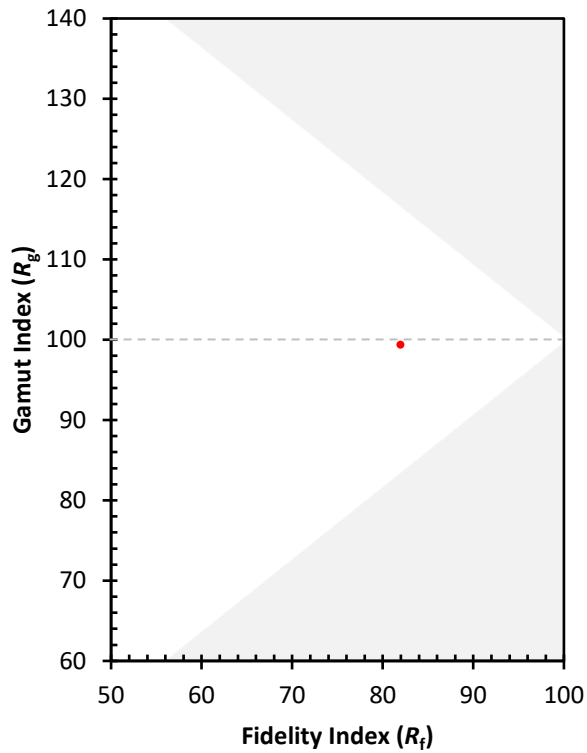
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 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)