

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: P1048650

Luminaire Tested: **GALN-SA5B-850-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048650
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-850-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
80CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20573.9 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 178.8
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

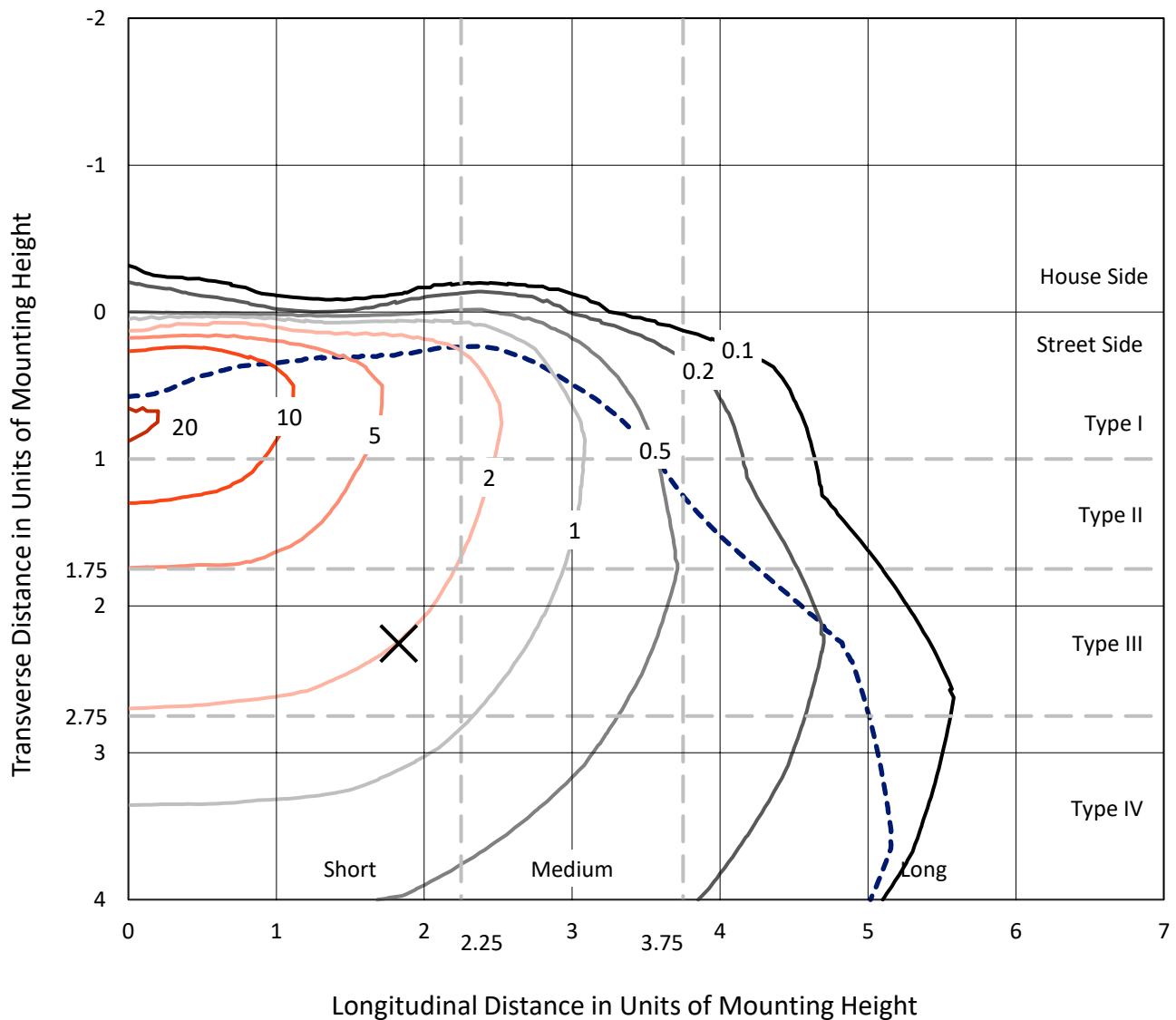


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CATALOG NUMBER: GALN-SA5B-850-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

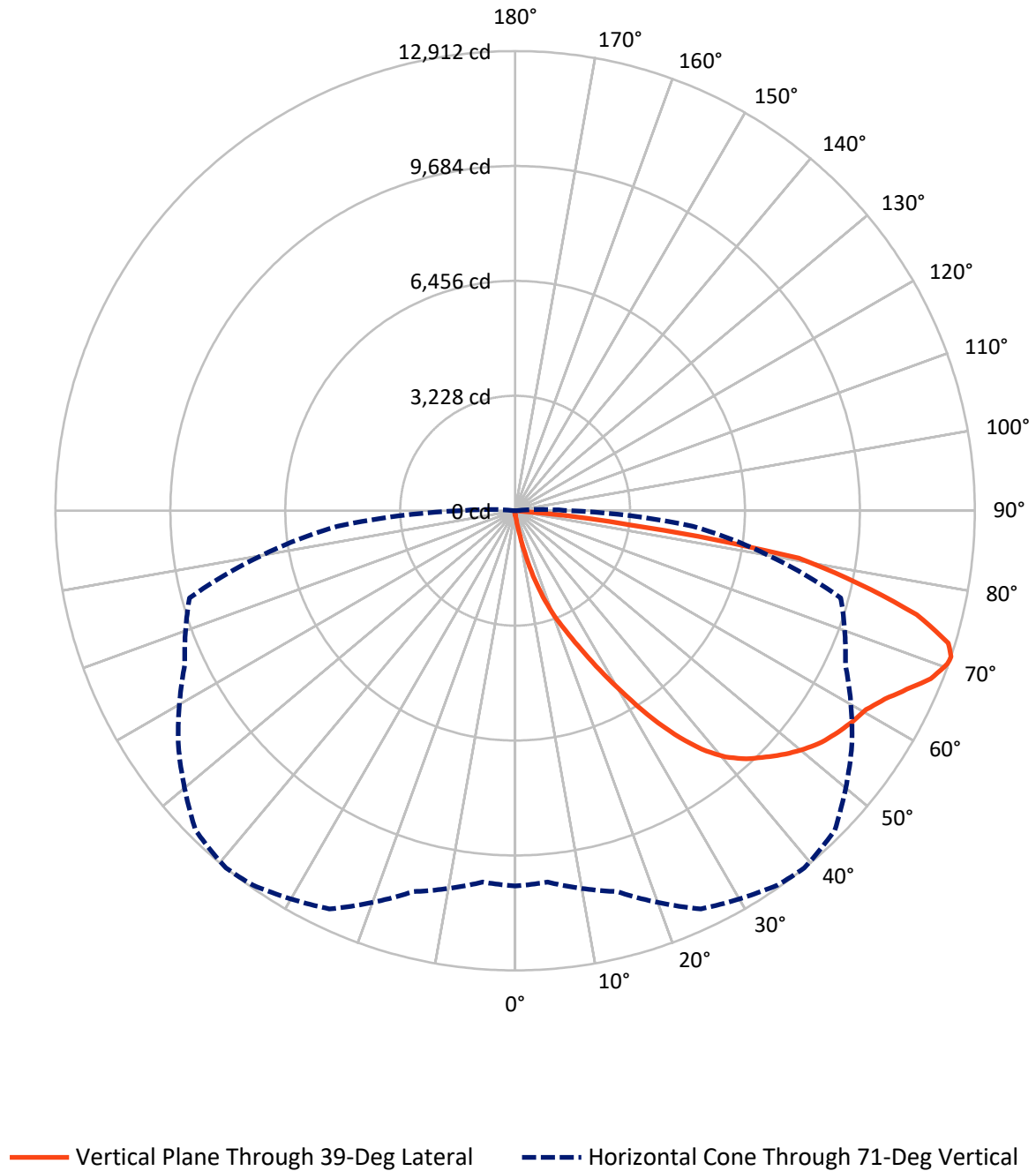


Based on 15 foot mounting height. Maximum calculated value = 21.2 fc
 Type IV - Short - N/A

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CATALOG NUMBER: GALN-SA5B-850-U-T4BC

Luminous Intensity Polar Plot



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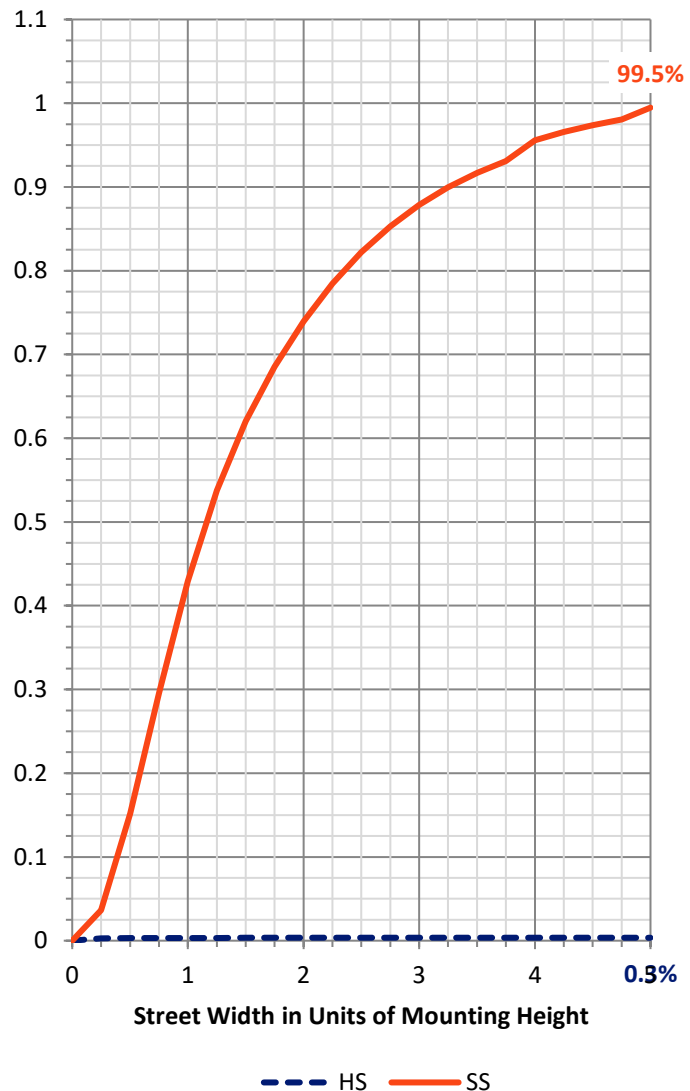
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	73.1	0.0	73.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	20500.8	0.0	20500.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	20573.9	0.0	20573.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.1
10°-20°	219.9	1.1
20°-30°	783.1	3.8
30°-40°	1887.3	9.2
40°-50°	3158.6	15.4
50°-60°	4056.8	19.7
60°-70°	5134.0	25.0
70°-80°	4577.1	22.2
80°-90°	739.9	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°	20573.9	100.0
0°-180°	20573.9	100.0



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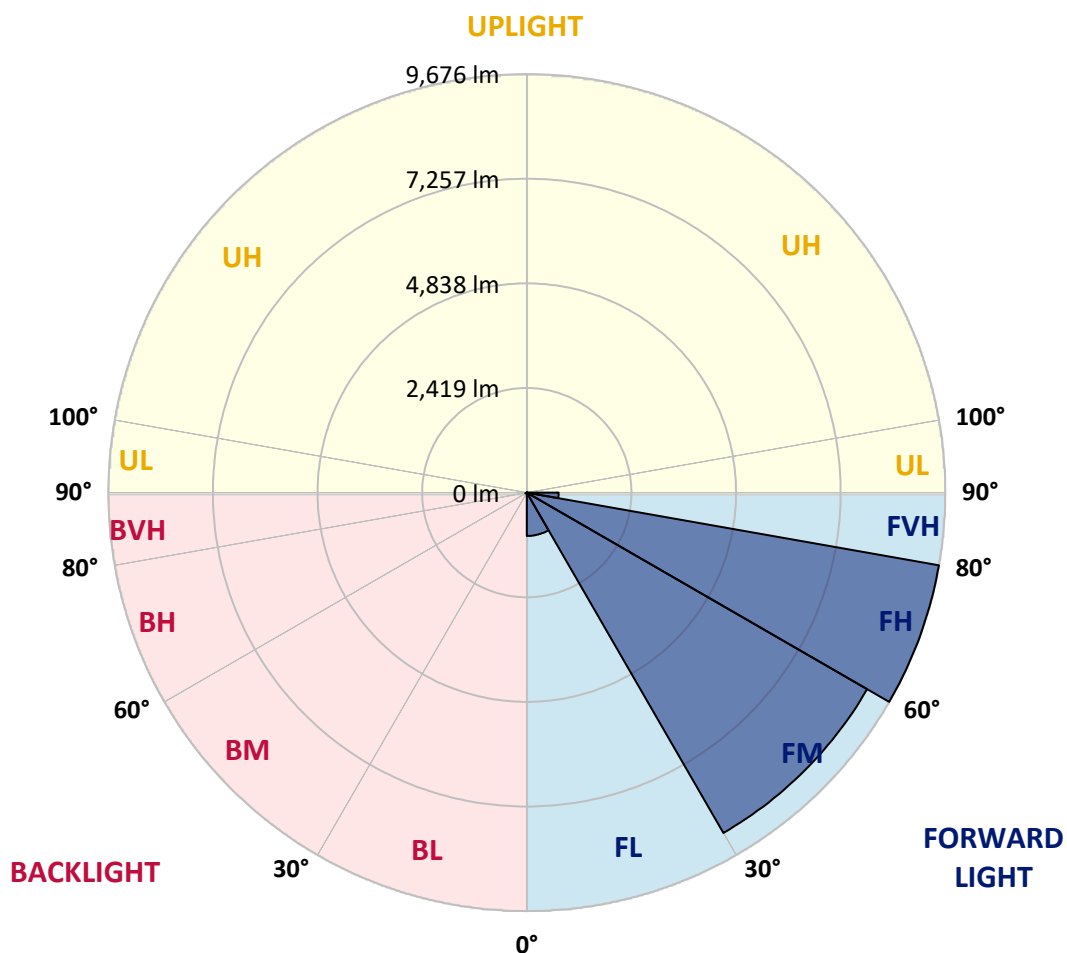
CATALOG NUMBER: GALN-SA5B-850-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1002.5	4.9			
FM	(30°-60°)	9085.9	44.2			
FH	(60°-80°)	9675.9	47.0			G4/12000
FVH	(80°-90°)	736.5	3.6			G4/750
BL	(0°-30°)	17.7	0.1	B0/110		
BM	(30°-60°)	16.9	0.1	B0/220		
BH	(60°-80°)	35.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.4	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-G4

Type IV Short



REPORT NUMBER: P1048650

CATALOG NUMBER: GALN-SA5B-850-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	112.8	112.8	112.8	112.8	112.8	112.8	112.8	112.8	112.8	112.8	112.8
2.5°	129.5	129.5	129.5	125.3	125.3	124.0	122.6	122.6	119.8	118.4	115.6
5°	196.4	192.2	182.4	176.9	165.7	158.8	151.8	142.1	132.3	125.3	117.0
7.5°	444.3	454.0	422.0	362.1	300.8	274.4	229.8	185.2	153.2	132.3	118.4
10°	1132.3	1126.7	1018.1	898.3	693.6	611.4	479.1	302.2	197.8	144.8	119.8
12.5°	1926.2	1920.6	1792.5	1629.5	1359.3	1188.0	937.3	564.1	284.1	164.3	119.8
15°	2593.3	2571.0	2530.6	2369.1	2052.9	1909.5	1578.0	997.2	459.6	197.8	122.6
17.5°	3034.8	3015.3	2977.7	2919.2	2718.6	2548.7	2282.7	1566.8	743.7	256.3	128.1
20°	3440.1	3426.2	3395.5	3384.4	3254.8	3164.3	2944.3	2221.4	1158.8	348.2	136.5
22.5°	3997.2	3967.9	3980.5	3913.6	3786.9	3678.2	3543.1	2906.7	1665.7	501.4	151.8
25°	4679.6	4665.7	4630.9	4583.5	4408.0	4313.3	4105.8	3552.9	2232.6	701.9	168.5
27.5°	5504.1	5488.8	5480.4	5371.8	5169.9	5066.8	4777.1	4162.9	2870.4	983.3	190.8
30°	6454.0	6460.9	6406.6	6267.4	6032.0	5887.1	5589.1	4802.2	3523.6	1313.4	214.5
32.5°	7437.3	7423.3	7339.8	7175.4	6965.1	6830.0	6451.2	5502.7	4208.9	1749.3	242.3
35°	8497.1	8470.7	8250.6	8062.6	7882.9	7713.0	7367.6	6316.1	4894.1	2238.1	279.9
37.5°	9566.8	9442.8	9001.3	8763.1	8639.2	8499.9	8178.2	7183.8	5575.2	2784.1	325.9
40°	10374.6	10278.5	9754.8	9316.1	9217.2	9098.8	8859.2	7933.1	6299.4	3370.4	381.6
42.5°	10821.6	10768.7	10298.0	9864.8	9632.2	9527.8	9323.0	8587.7	7015.3	4018.1	462.4
45°	11012.4	10930.3	10615.5	10413.6	10043.1	9870.4	9626.7	9082.1	7763.2	4753.4	575.2
47.5°	10953.9	10906.6	10681.0	10754.8	10486.0	10217.2	9859.2	9460.9	8402.4	5597.4	729.8
50°	10586.3	10545.9	10476.2	10875.9	10842.5	10525.0	10160.1	9760.4	8924.7	6467.9	969.4
52.5°	9887.1	9870.4	10048.7	10781.2	11044.5	10796.6	10449.8	10025.0	9412.2	7377.4	1312.0
55°	8986.0	9054.2	9564.0	10633.6	11147.5	10997.1	10706.0	10272.9	9803.5	8190.7	1817.5
57.5°	8615.5	8633.6	9270.1	10529.1	11193.5	11174.0	10955.3	10509.7	10162.9	8841.1	2589.1
60°	9048.7	9020.8	9356.5	10608.5	11285.4	11332.8	11176.8	10729.7	10474.8	9399.6	3617.0
62.5°	9831.4	9816.1	9923.3	10947.0	11554.2	11650.3	11484.6	10888.5	10750.6	9767.3	4789.6
65°	10530.5	10498.5	10697.7	11547.2	12026.3	12094.6	11949.7	11160.1	10871.8	10034.7	5891.3
67.5°	10832.8	10825.8	11146.1	12118.3	12522.2	12596.0	12469.2	11534.7	10843.9	10119.7	6377.4
70°	10694.9	10668.4	11181.0	12360.6	12802.1	12885.7	12763.1	11674.0	10541.7	9850.9	5657.3
71°	10543.1	10472.0	11076.5	12343.9	12841.1	12912.1	12697.7	11547.2	10238.1	9469.3	5004.1
72.5°	10072.3	10084.9	10789.6	12169.8	12747.8	12726.9	12327.2	11093.2	9871.8	8603.0	4019.5
75°	8913.6	8987.4	9860.6	11438.6	11914.9	11648.9	11037.5	10225.5	9136.4	6168.5	2791.1
77.5°	7284.1	7394.1	8353.7	10031.9	9896.8	9870.4	9845.3	9009.7	7802.2	3313.3	1941.5
80°	3477.7	3715.8	5038.9	7161.5	7779.9	8079.3	7891.3	7260.4	6033.4	1578.0	1160.2
82.5°	227.0	224.2	317.5	601.7	2536.2	3278.5	5208.9	5189.4	4206.1	768.8	473.5
85°	107.2	110.0	121.2	137.9	160.2	175.5	242.3	1420.6	2012.5	366.3	103.1
87.5°	62.7	64.1	75.2	96.1	125.3	139.3	165.7	213.1	261.8	201.9	22.3
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: P1048650

CATALOG NUMBER: GALN-SA5B-850-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	112.8	112.8	112.8	112.8	112.8	112.8	112.8	112.8	112.8	112.8	112.8
2.5°	114.2	112.8	108.6	104.5	100.3	97.5	96.1	97.5	97.5	98.9	98.9
5°	114.2	110.0	103.1	94.7	89.1	83.6	80.8	79.4	80.8	80.8	80.8
7.5°	112.8	105.8	96.1	86.4	79.4	72.4	69.6	68.2	68.2	69.6	69.6
10°	110.0	103.1	90.5	79.4	71.0	62.7	58.5	54.3	54.3	54.3	55.7
12.5°	108.6	98.9	83.6	72.4	61.3	51.5	43.2	39.0	40.4	40.4	40.4
15°	105.8	94.7	79.4	65.5	51.5	39.0	32.0	27.9	29.2	30.6	29.2
17.5°	105.8	93.3	73.8	57.1	40.4	29.2	23.7	20.9	20.9	22.3	22.3
20°	105.8	90.5	69.6	48.7	30.6	22.3	16.7	15.3	15.3	18.1	19.5
22.5°	108.6	90.5	64.1	40.4	25.1	16.7	12.5	11.1	12.5	15.3	16.7
25°	112.8	89.1	58.5	36.2	20.9	12.5	9.7	7.0	8.4	11.1	12.5
27.5°	117.0	87.7	52.9	32.0	16.7	9.7	7.0	5.6	4.2	5.6	5.6
30°	121.2	87.7	47.4	26.5	13.9	7.0	4.2	2.8	1.4	0.0	0.0
32.5°	124.0	85.0	43.2	20.9	11.1	5.6	2.8	1.4	0.0	0.0	0.0
35°	126.7	82.2	37.6	16.7	8.4	4.2	1.4	0.0	0.0	0.0	0.0
37.5°	129.5	78.0	32.0	13.9	7.0	2.8	0.0	0.0	0.0	0.0	0.0
40°	132.3	72.4	26.5	12.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	135.1	68.2	22.3	9.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	142.1	65.5	18.1	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	154.6	62.7	16.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	172.7	59.9	15.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	197.8	58.5	13.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	242.3	57.1	12.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	318.9	55.7	12.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	488.9	52.9	12.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	873.3	51.5	11.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1522.3	52.9	11.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2182.4	55.7	9.7	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	1867.7	48.7	9.7	5.6	2.8	1.4	0.0	0.0	0.0	0.0	0.0
71°	1522.3	43.2	9.7	5.6	2.8	1.4	1.4	0.0	0.0	0.0	0.0
72.5°	979.1	33.4	8.4	5.6	2.8	2.8	1.4	0.0	0.0	0.0	0.0
75°	413.6	27.9	8.4	5.6	4.2	2.8	2.8	1.4	0.0	0.0	0.0
77.5°	176.9	20.9	8.4	7.0	5.6	4.2	4.2	2.8	1.4	0.0	0.0
80°	66.9	16.7	9.7	8.4	7.0	7.0	5.6	2.8	1.4	0.0	0.0
82.5°	30.6	13.9	9.7	8.4	8.4	7.0	5.6	4.2	2.8	0.0	0.0
85°	19.5	12.5	9.7	8.4	8.4	7.0	7.0	4.2	2.8	0.0	0.0
87.5°	15.3	12.5	9.7	9.7	8.4	8.4	5.6	4.2	1.4	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

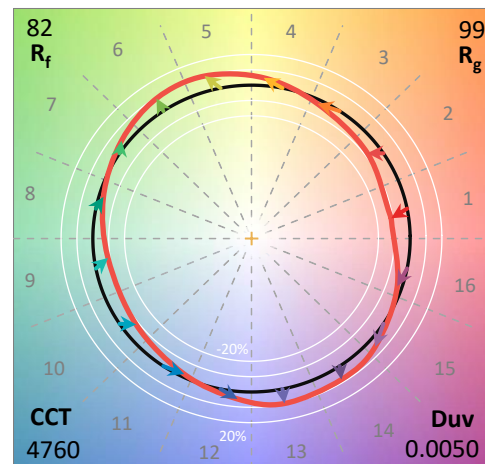
Test Information

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

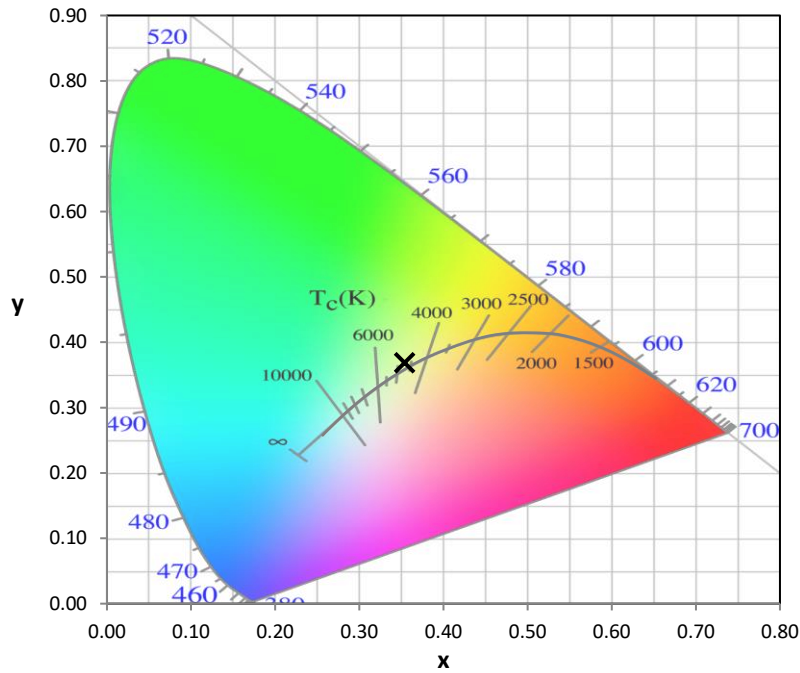
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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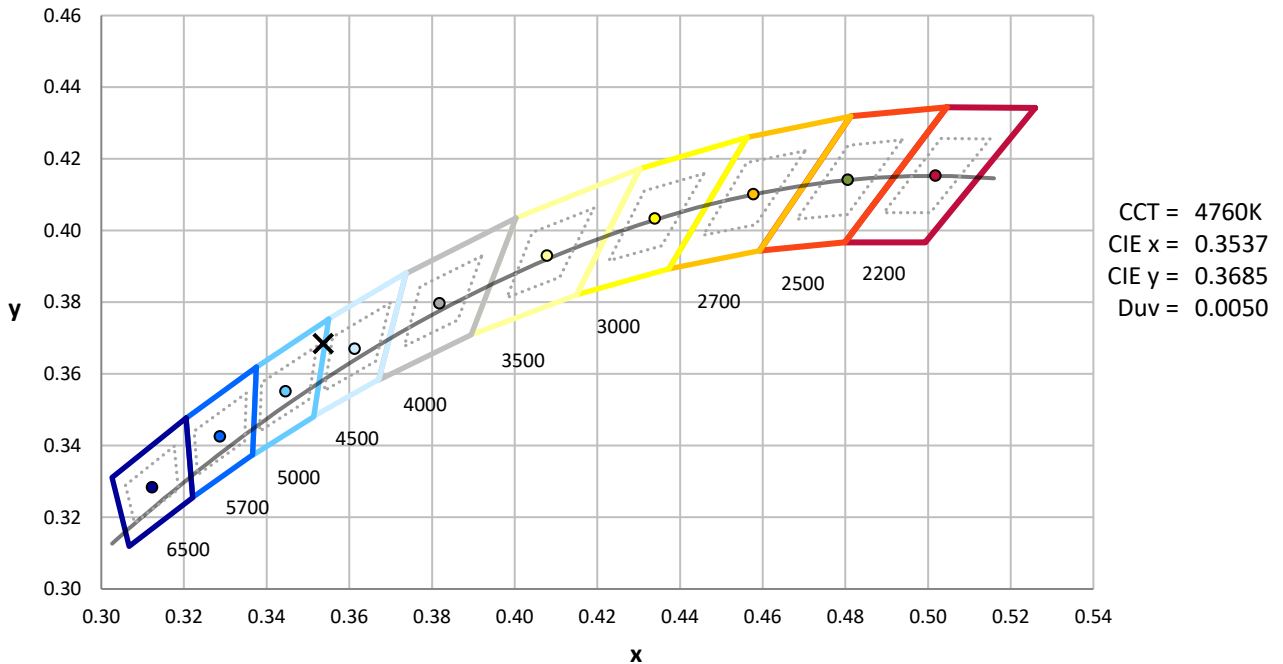
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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Scotopic Flux vs. Wavelength



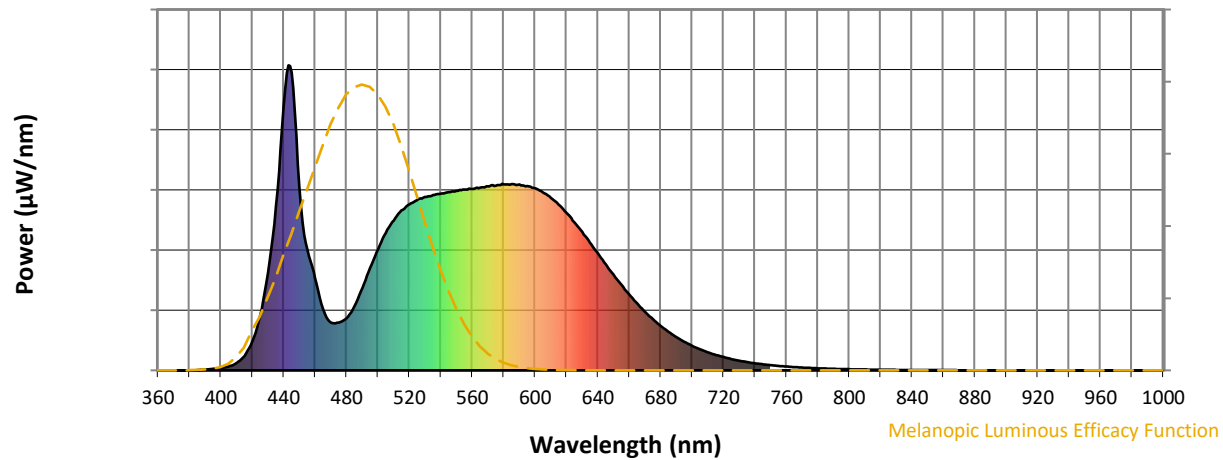
Scotopic Lumens: NR

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 [^] /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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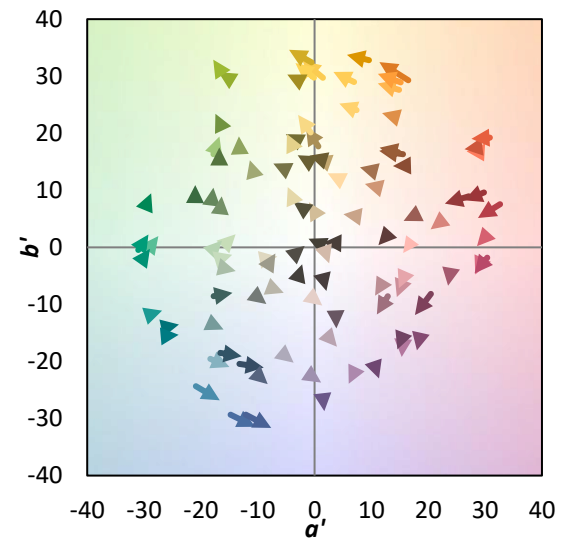
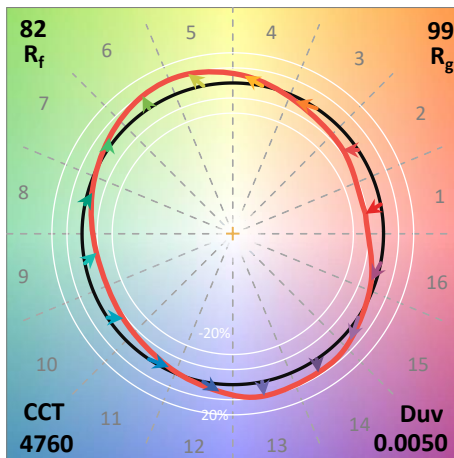
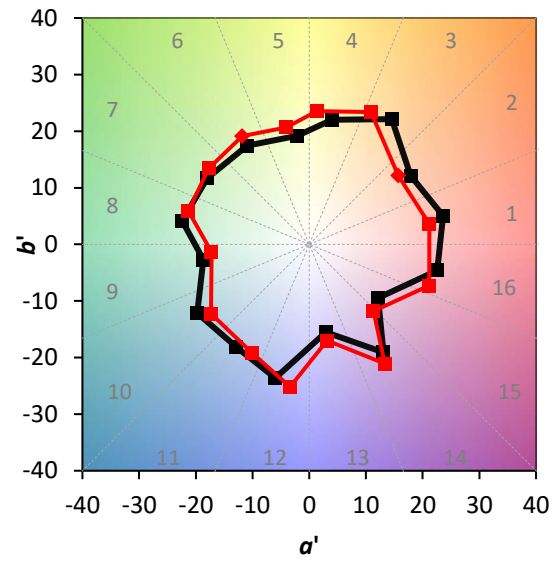
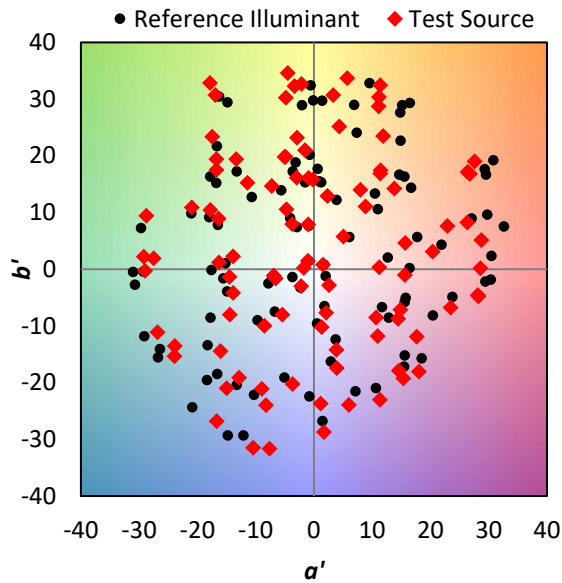
TM-30-18

Summary

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

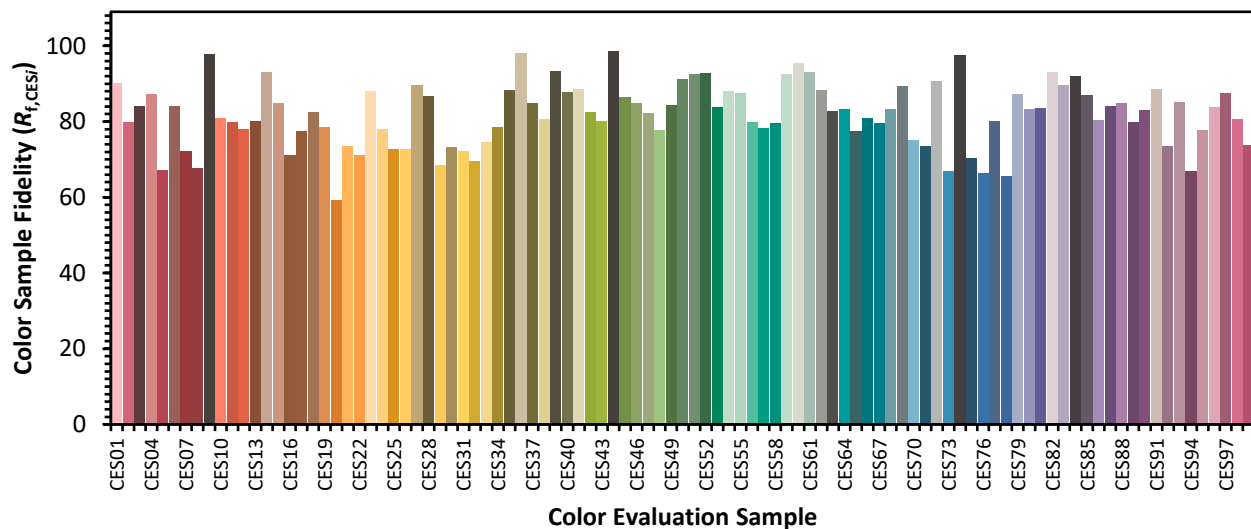


Color Vector Graphics

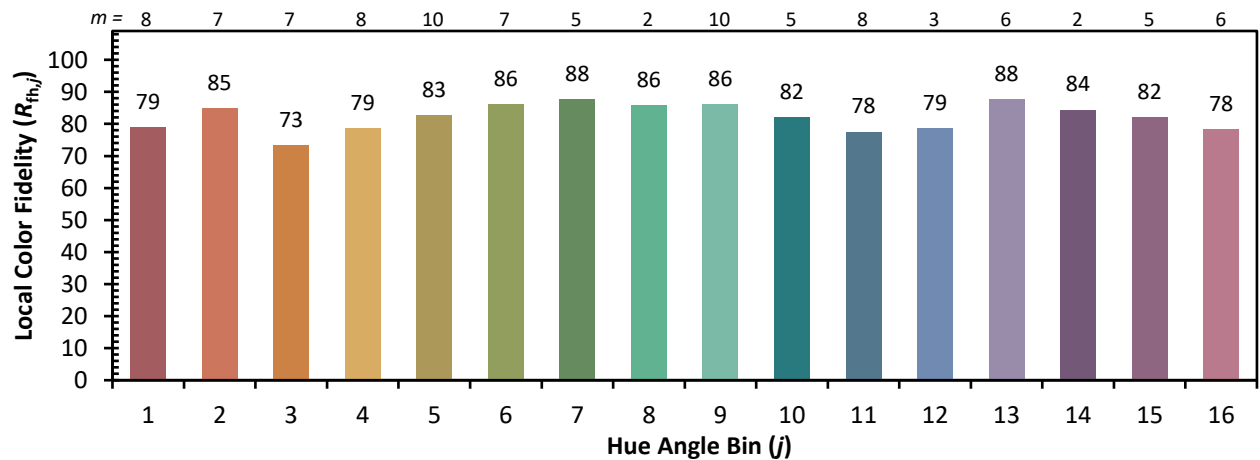


Individual Sample Fidelity Index ($R_{f,i}$)

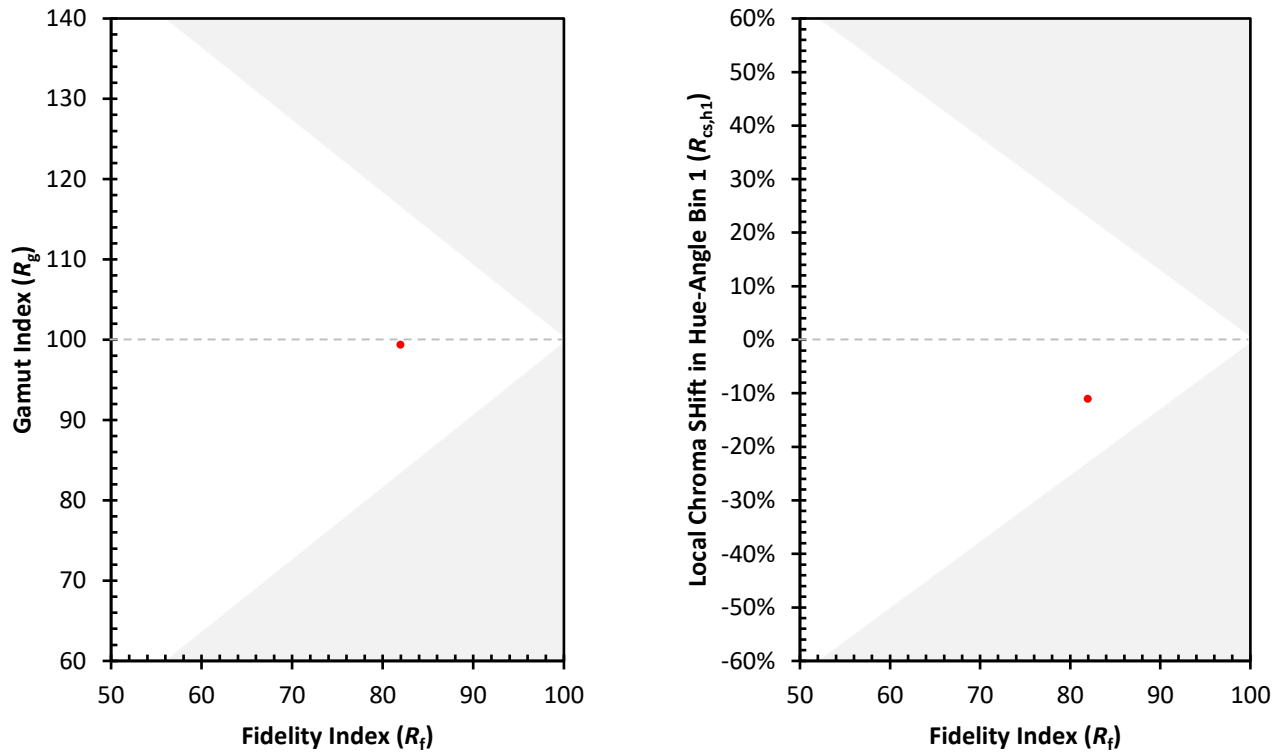
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82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