

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: P1048829

Luminaire Tested: **GALN-SA5A-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048829
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14259.9 lumens
Efficiency: N/A
Efficacy: 104.4 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): 136.6
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

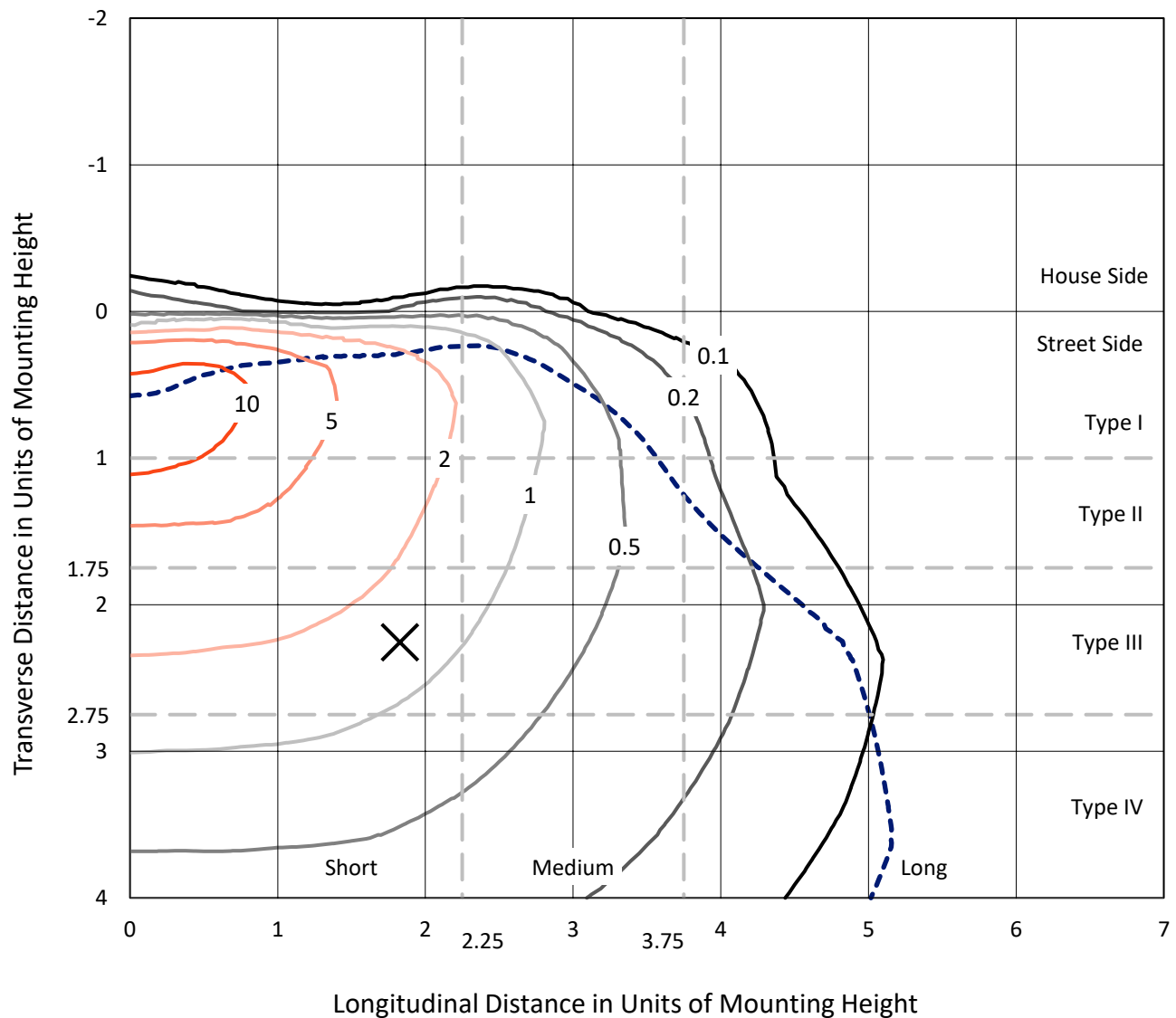


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

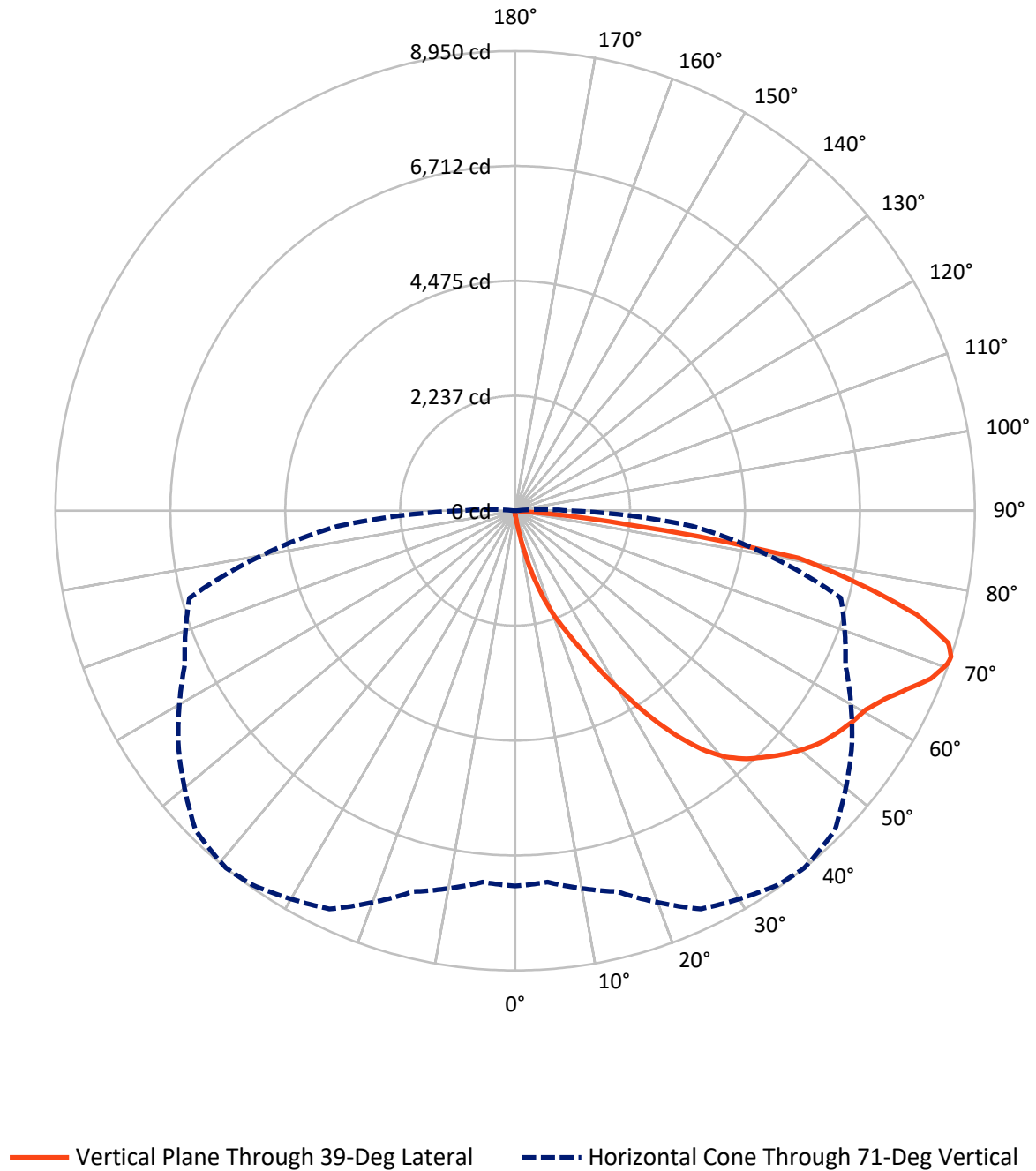


Based on 15 foot mounting height. Maximum calculated value = 14.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	50.7	0.0	50.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14209.2	0.0	14209.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	14259.9	0.0	14259.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.1
10°-20°	152.4	1.1
20°-30°	542.8	3.8
30°-40°	1308.1	9.2
40°-50°	2189.2	15.4
50°-60°	2811.8	19.7
60°-70°	3558.4	25.0
70°-80°	3172.4	22.2
80°-90°	512.8	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°	14259.9	100.0
0°-180°	14259.9	100.0



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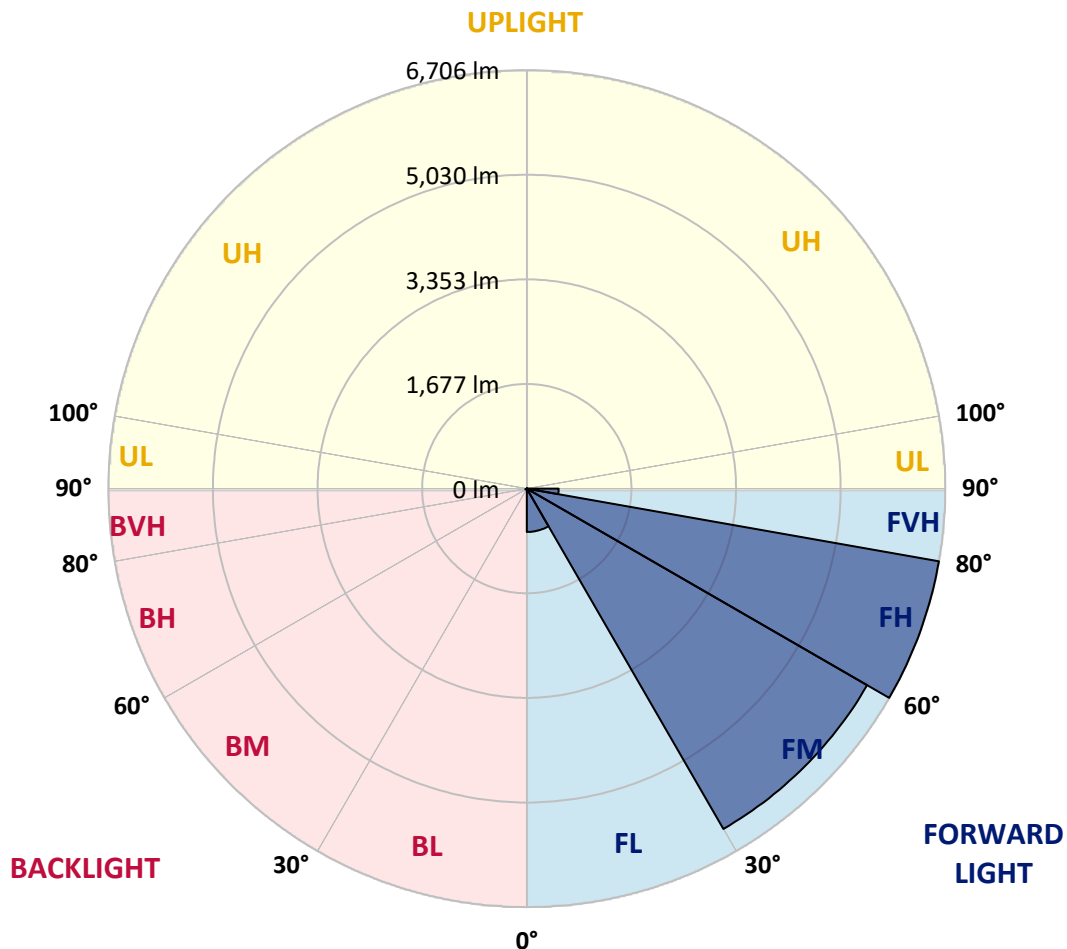
CATALOG NUMBER: GALN-SA5A-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	694.8	4.9			
FM	(30°-60°)	6297.5	44.2			
FH	(60°-80°)	6706.5	47.0			G3/7500
FVH	(80°-90°)	510.5	3.6			G4/750
BL	(0°-30°)	12.3	0.1	B0/110		
BM	(30°-60°)	11.7	0.1	B0/220		
BH	(60°-80°)	24.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2.5°	89.8	89.8	89.8	86.9	86.9	85.9	84.9	84.9	83.0	82.1	80.1
5°	136.1	133.2	126.5	122.6	114.9	110.0	105.2	98.5	91.7	86.9	81.1
7.5°	307.9	314.7	292.5	251.0	208.5	190.2	159.3	128.4	106.2	91.7	82.1
10°	784.8	780.9	705.6	622.6	480.7	423.8	332.1	209.5	137.1	100.4	83.0
12.5°	1335.0	1331.2	1242.4	1129.4	942.2	823.4	649.7	391.0	196.9	113.9	83.0
15°	1797.4	1782.0	1754.0	1642.0	1422.9	1323.5	1093.7	691.2	318.6	137.1	84.9
17.5°	2103.4	2089.9	2063.9	2023.3	1884.3	1766.5	1582.2	1086.0	515.5	177.6	88.8
20°	2384.3	2374.7	2353.4	2345.7	2256.0	2193.2	2040.7	1539.7	803.1	241.3	94.6
22.5°	2770.5	2750.2	2758.9	2712.5	2624.7	2549.4	2455.8	2014.6	1154.5	347.5	105.2
25°	3243.5	3233.8	3209.7	3176.9	3055.2	2989.6	2845.8	2462.5	1547.4	486.5	116.8
27.5°	3814.9	3804.3	3798.5	3723.2	3583.3	3511.8	3311.0	2885.3	1989.5	681.5	132.2
30°	4473.3	4478.1	4440.5	4343.9	4180.8	4080.4	3873.8	3328.4	2442.3	910.3	148.7
32.5°	5154.8	5145.2	5087.2	4973.3	4827.6	4733.9	4471.4	3814.0	2917.2	1212.4	168.0
35°	5889.4	5871.1	5718.6	5588.2	5463.7	5345.9	5106.5	4377.7	3392.1	1551.3	194.0
37.5°	6630.8	6544.9	6238.9	6073.8	5987.9	5891.3	5668.4	4979.1	3864.2	1929.7	225.9
40°	7190.7	7124.1	6761.1	6457.0	6388.5	6306.4	6140.4	5498.5	4366.1	2336.1	264.5
42.5°	7500.5	7463.9	7137.6	6837.4	6676.2	6603.8	6461.8	5952.2	4862.3	2784.9	320.5
45°	7632.8	7575.8	7357.7	7217.7	6960.9	6841.2	6672.3	6294.8	5380.7	3294.6	398.7
47.5°	7592.2	7559.4	7403.0	7454.2	7267.9	7081.6	6833.5	6557.4	5823.8	3879.6	505.8
50°	7337.4	7309.4	7261.1	7538.2	7515.0	7294.9	7042.0	6765.0	6185.8	4482.9	671.9
52.5°	6852.8	6841.2	6964.8	7472.5	7655.0	7483.2	7242.8	6948.4	6523.6	5113.3	909.3
55°	6228.2	6275.5	6628.8	7370.2	7726.4	7622.2	7420.4	7120.2	6794.9	5677.0	1259.7
57.5°	5971.5	5984.0	6425.2	7297.8	7758.3	7744.8	7593.2	7284.3	7043.9	6127.8	1794.5
60°	6271.7	6252.4	6485.0	7352.8	7822.0	7854.8	7746.7	7436.8	7260.2	6514.9	2506.9
62.5°	6814.2	6803.6	6877.9	7587.4	8008.3	8074.9	7960.0	7546.9	7451.3	6769.8	3319.7
65°	7298.8	7276.6	7414.6	8003.5	8335.5	8382.8	8282.4	7735.1	7535.3	6955.1	4083.3
67.5°	7508.3	7503.4	7725.5	8399.2	8679.2	8730.4	8642.5	7994.8	7516.0	7014.0	4420.2
70°	7412.7	7394.3	7749.6	8567.2	8873.2	8931.1	8846.2	8091.3	7306.5	6827.7	3921.1
71°	7307.5	7258.2	7677.2	8555.6	8900.2	8949.5	8800.8	8003.5	7096.1	6563.2	3468.4
72.5°	6981.2	6989.9	7478.3	8435.0	8835.6	8821.1	8544.0	7688.8	6842.2	5962.8	2785.9
75°	6178.0	6229.2	6834.5	7928.2	8258.3	8073.9	7650.2	7087.4	6332.5	4275.4	1934.5
77.5°	5048.6	5124.9	5790.0	6953.2	6859.6	6841.2	6823.8	6244.7	5407.7	2296.5	1345.7
80°	2410.4	2575.5	3492.5	4963.7	5392.3	5599.8	5469.5	5032.2	4181.8	1093.7	804.1
82.5°	157.3	155.4	220.1	417.0	1757.8	2272.4	3610.3	3596.8	2915.3	532.9	328.2
85°	74.3	76.3	84.0	95.6	111.0	121.6	168.0	984.6	1394.9	253.9	71.4
87.5°	43.4	44.4	52.1	66.6	86.9	96.5	114.9	147.7	181.5	140.0	15.4
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-SA5A-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2.5°	79.2	78.2	75.3	72.4	69.5	67.6	66.6	67.6	67.6	68.5	68.5
5°	79.2	76.3	71.4	65.6	61.8	57.9	56.0	55.0	56.0	56.0	56.0
7.5°	78.2	73.4	66.6	59.8	55.0	50.2	48.3	47.3	47.3	48.3	48.3
10°	76.3	71.4	62.7	55.0	49.2	43.4	40.5	37.6	37.6	37.6	38.6
12.5°	75.3	68.5	57.9	50.2	42.5	35.7	29.9	27.0	28.0	28.0	28.0
15°	73.4	65.6	55.0	45.4	35.7	27.0	22.2	19.3	20.3	21.2	20.3
17.5°	73.4	64.7	51.2	39.6	28.0	20.3	16.4	14.5	14.5	15.4	15.4
20°	73.4	62.7	48.3	33.8	21.2	15.4	11.6	10.6	10.6	12.5	13.5
22.5°	75.3	62.7	44.4	28.0	17.4	11.6	8.7	7.7	8.7	10.6	11.6
25°	78.2	61.8	40.5	25.1	14.5	8.7	6.8	4.8	5.8	7.7	8.7
27.5°	81.1	60.8	36.7	22.2	11.6	6.8	4.8	3.9	2.9	3.9	3.9
30°	84.0	60.8	32.8	18.3	9.7	4.8	2.9	1.9	1.0	0.0	0.0
32.5°	85.9	58.9	29.9	14.5	7.7	3.9	1.9	1.0	0.0	0.0	0.0
35°	87.8	57.0	26.1	11.6	5.8	2.9	1.0	0.0	0.0	0.0	0.0
37.5°	89.8	54.1	22.2	9.7	4.8	1.9	0.0	0.0	0.0	0.0	0.0
40°	91.7	50.2	18.3	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	93.6	47.3	15.4	6.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	98.5	45.4	12.5	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	107.2	43.4	11.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	119.7	41.5	10.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	137.1	40.5	9.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	168.0	39.6	8.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	221.1	38.6	8.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	338.8	36.7	8.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	605.3	35.7	7.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1055.1	36.7	7.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1512.7	38.6	6.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1294.5	33.8	6.8	3.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0
71°	1055.1	29.9	6.8	3.9	1.9	1.0	1.0	0.0	0.0	0.0	0.0
72.5°	678.6	23.2	5.8	3.9	1.9	1.9	1.0	0.0	0.0	0.0	0.0
75°	286.7	19.3	5.8	3.9	2.9	1.9	1.9	1.0	0.0	0.0	0.0
77.5°	122.6	14.5	5.8	4.8	3.9	2.9	2.9	1.9	1.0	0.0	0.0
80°	46.3	11.6	6.8	5.8	4.8	4.8	3.9	1.9	1.0	0.0	0.0
82.5°	21.2	9.7	6.8	5.8	5.8	4.8	3.9	2.9	1.9	0.0	0.0
85°	13.5	8.7	6.8	5.8	5.8	4.8	4.8	2.9	1.9	0.0	0.0
87.5°	10.6	8.7	6.8	6.8	5.8	5.8	3.9	2.9	1.0	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: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

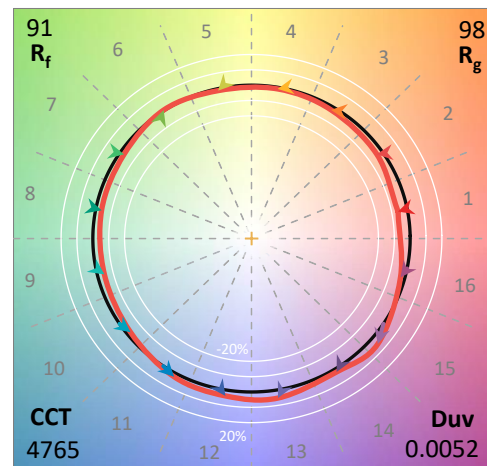
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 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-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4765
 CIE u' : 0.2105
 CIE v' : 0.4941
 Duv: 0.0052
 CIE x: 0.3536
 CIE y: 0.3689
 CIE z: 0.2775
 Peak Wavelength (nm): 449
 Dominant Wavelength (nm): 571
 Purity: 16.80041
 R_f: 90.7
 R_g: 98

CRI (Ra): 90.8
 R1: 89.8
 R2: 93.1
 R3: 95.3
 R4: 90.3
 R5: 89.0
 R6: 89.7
 R7: 94.9
 R8: 84.0
 R9: 54.9
 R10: 83.0
 R11: 89.6
 R12: 68.0
 R13: 90.6
 R14: 97.3
 R15: 86.2



Test Conditions

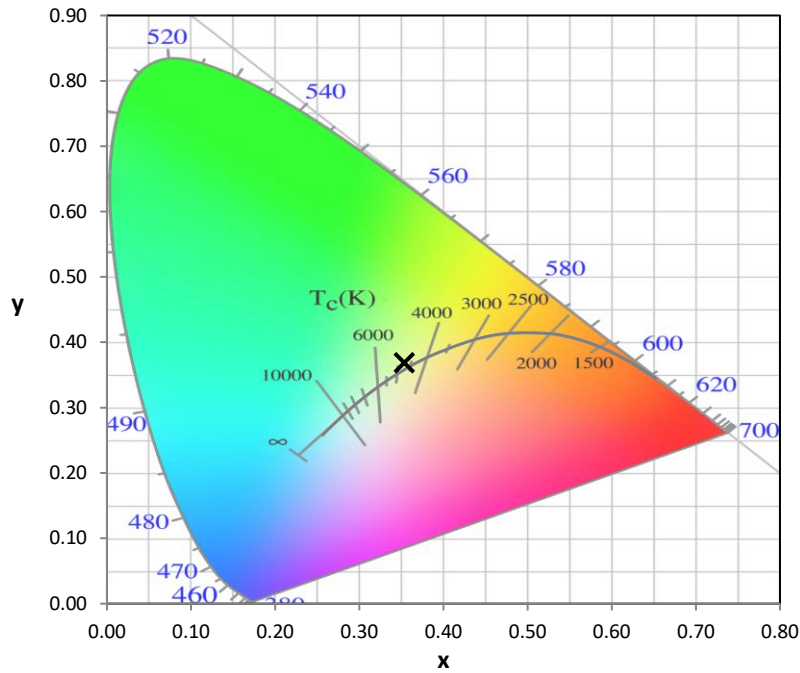
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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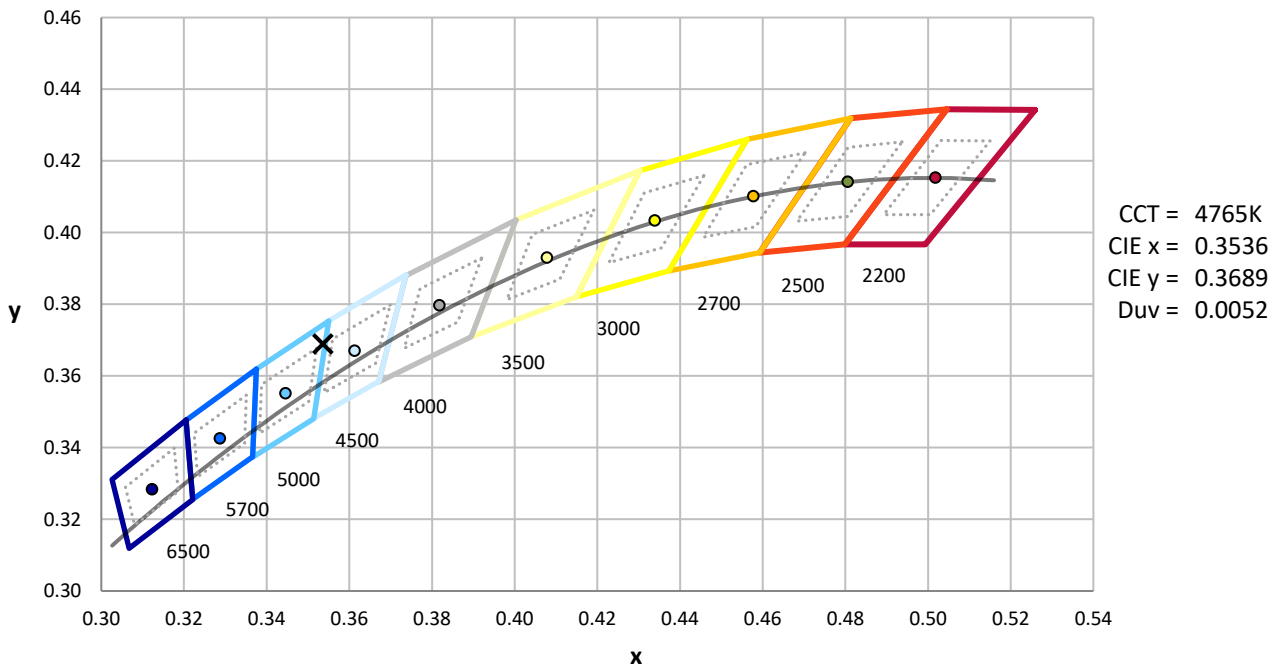
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



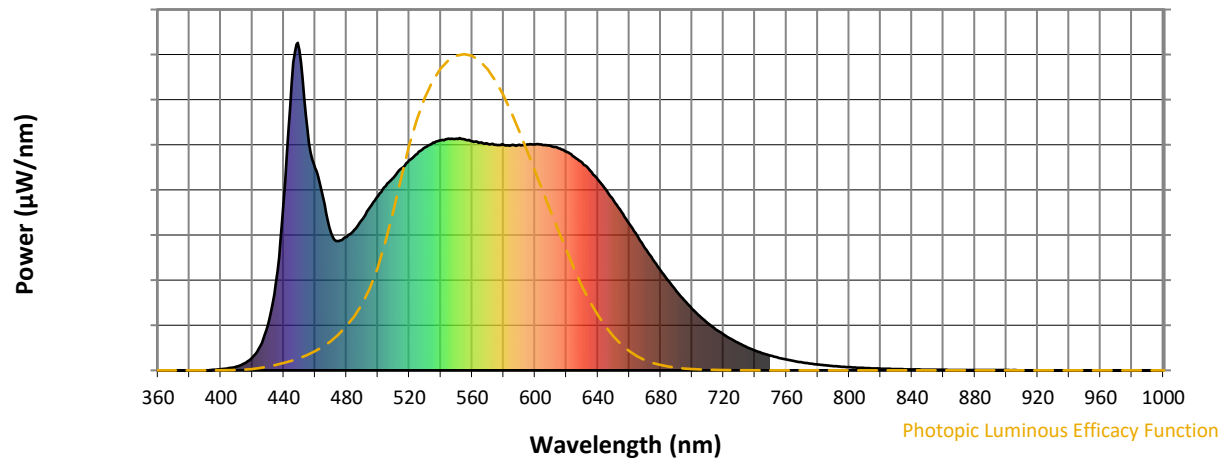
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

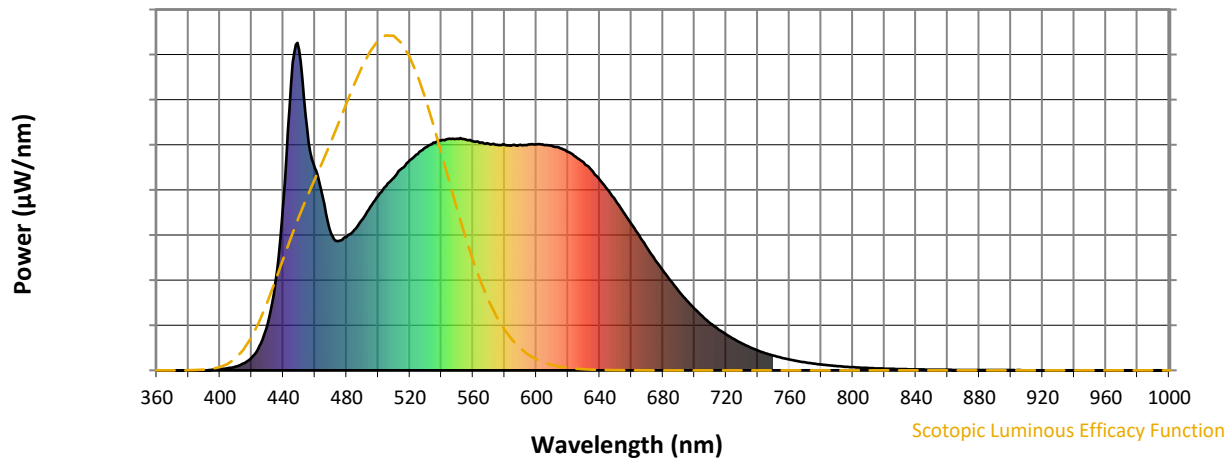


Photopic Lumens: NR

λ (nm)	Power W [^] /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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



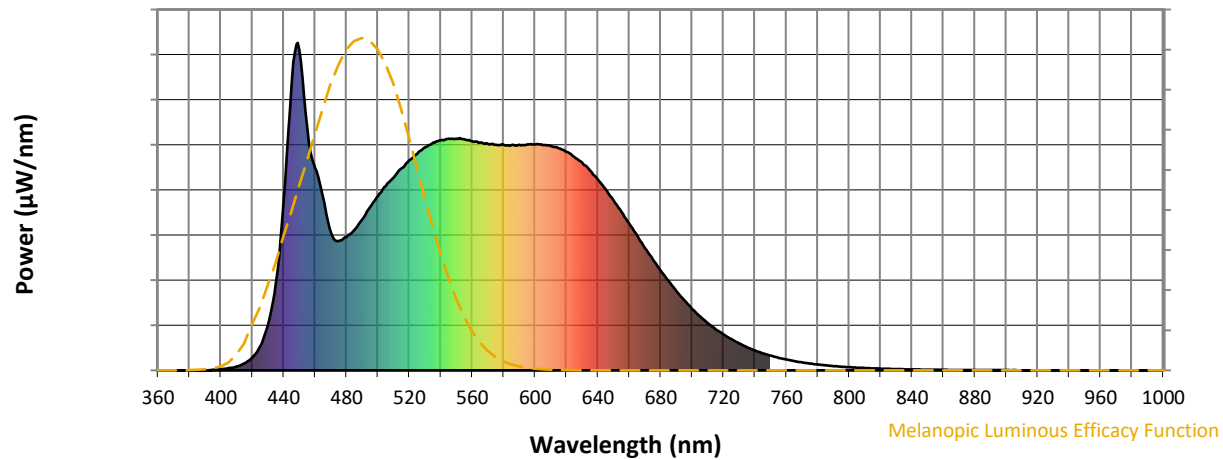
Scotopic Lumens: NR

S/P: 1.99

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

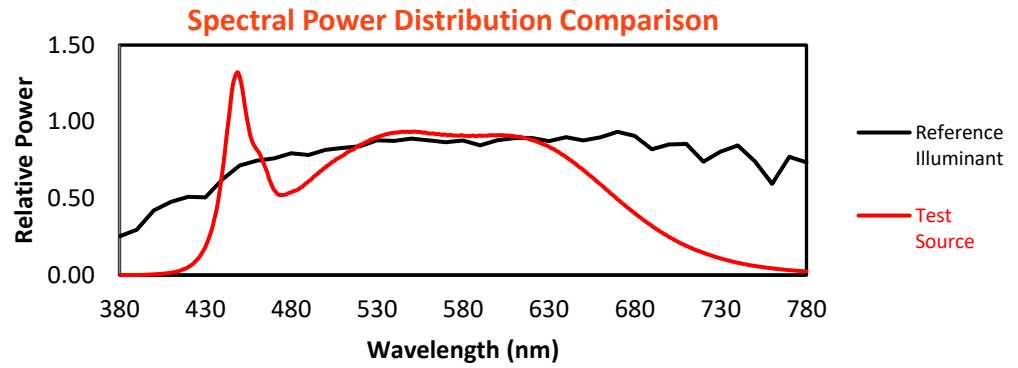
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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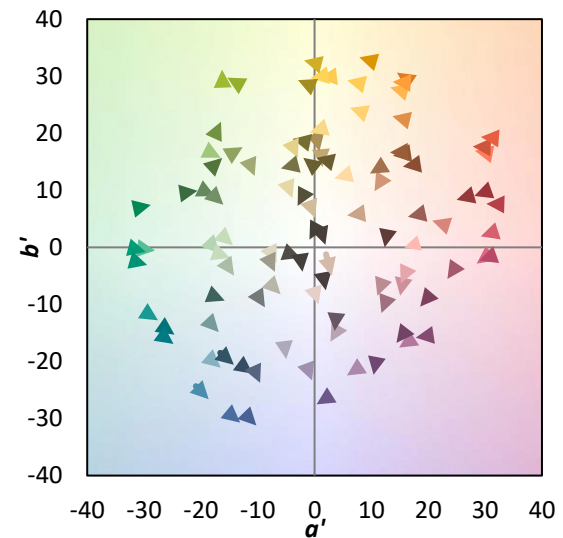
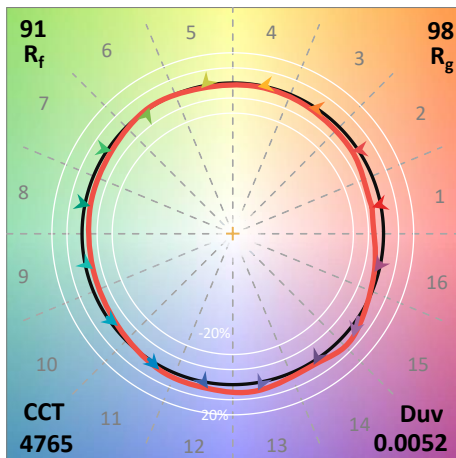
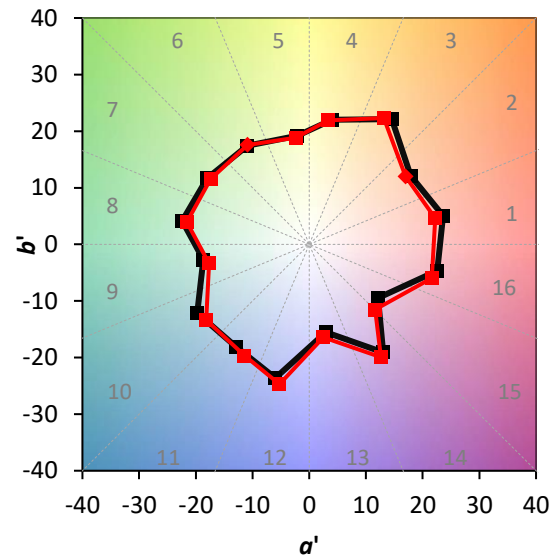
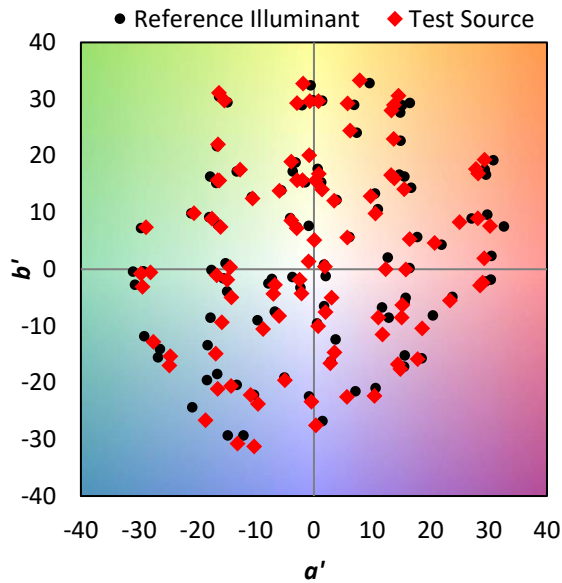
TM-30-18

Summary

$R_f = 90.7$
 $R_g = 98$
 CIE $R_a = 90.8$
 $R_9 = 54.9$

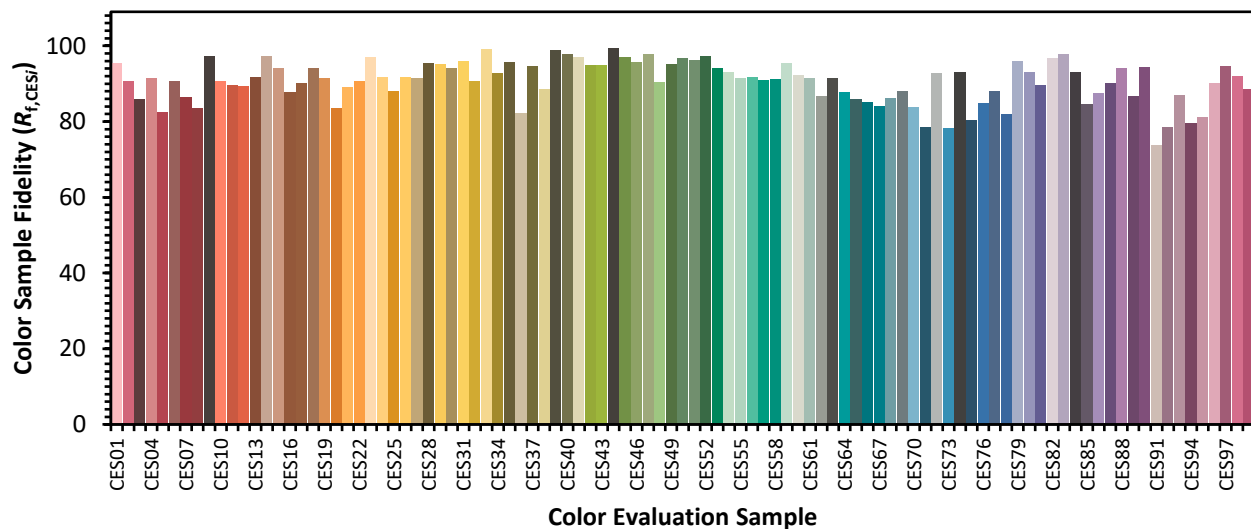


Color Vector Graphics

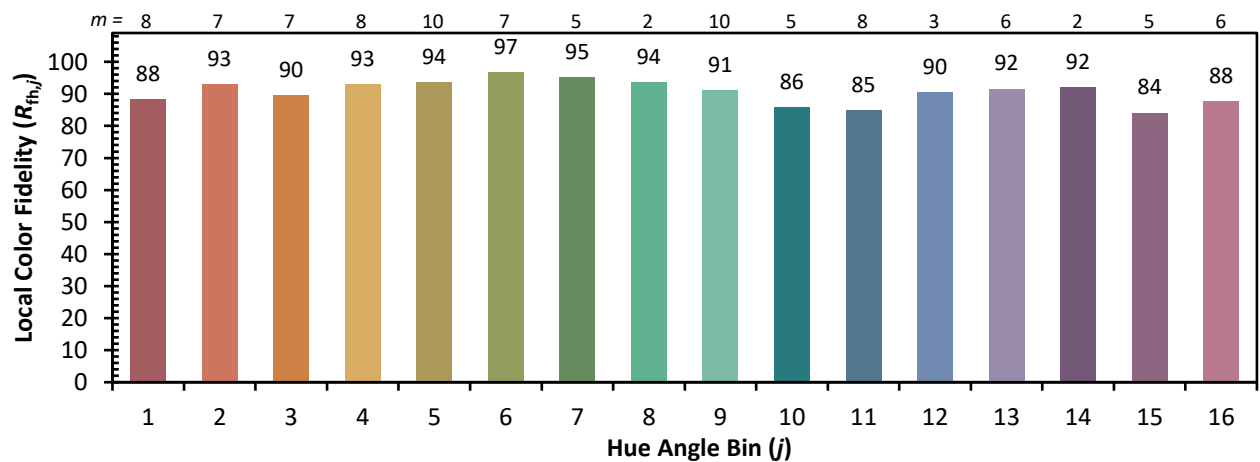
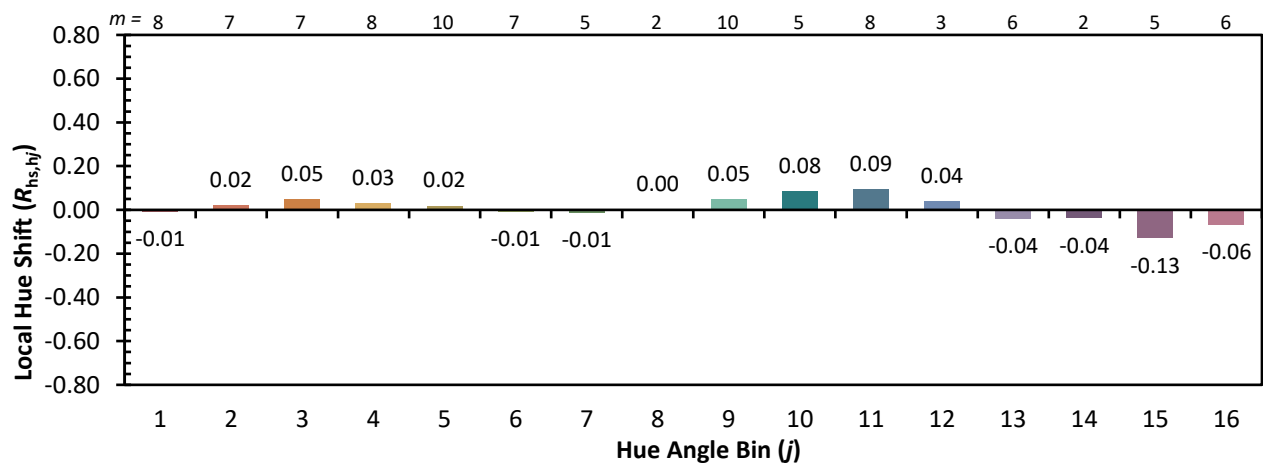
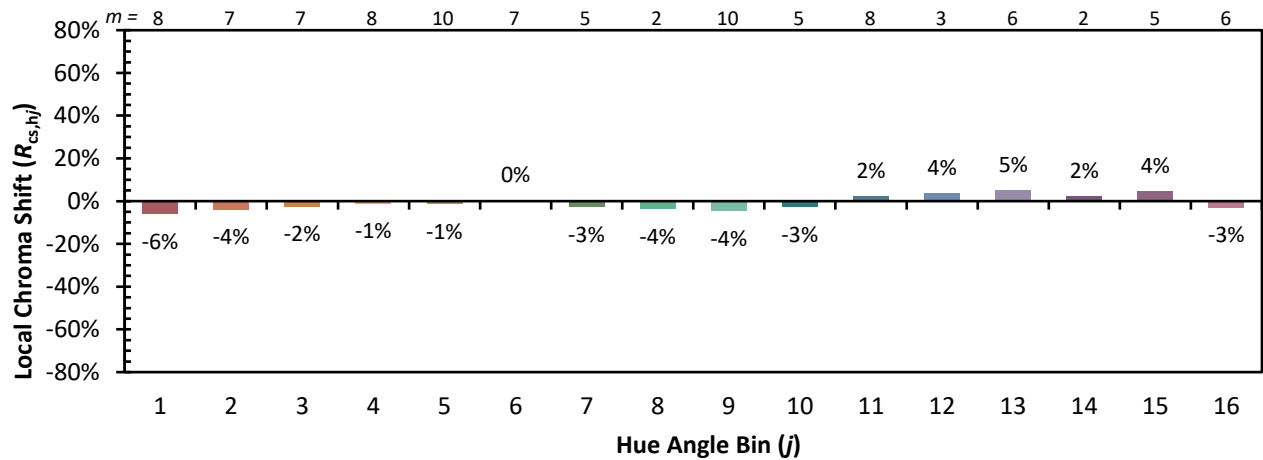


Individual Sample Fidelity Index ($R_{f,i}$)

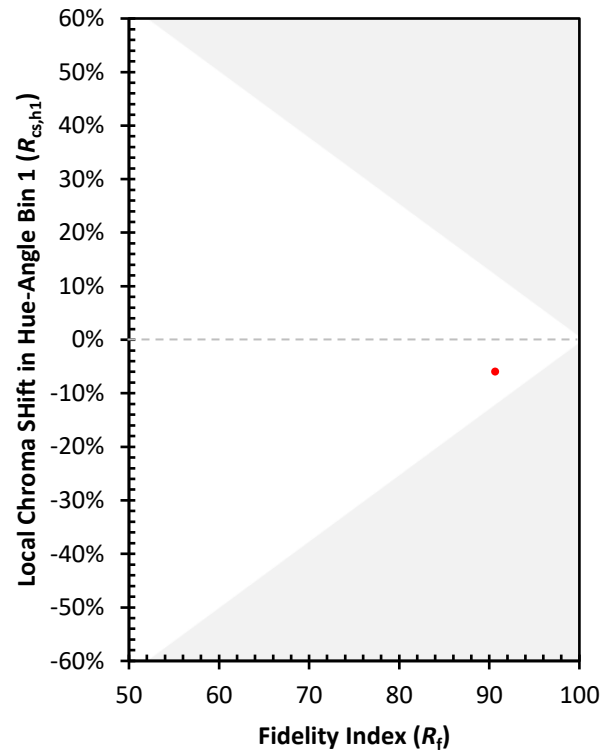
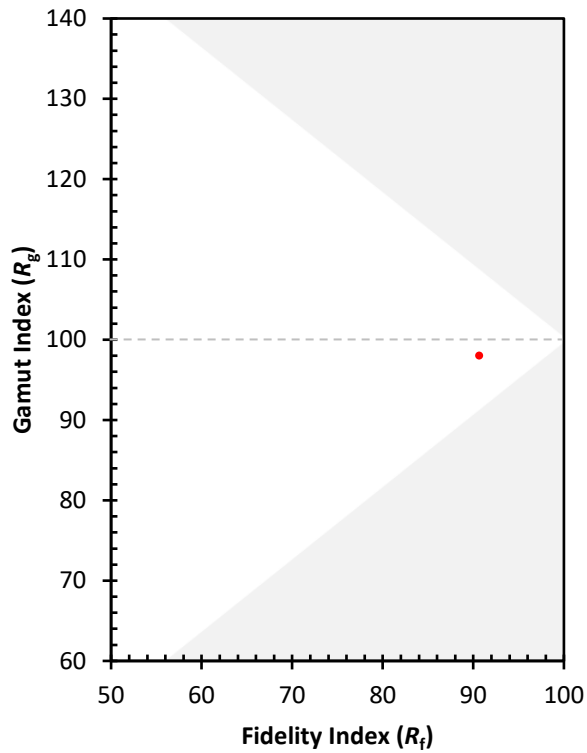
CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)