

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: P1047493

Luminaire Tested: **GALN-SA4A-930-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047493
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-930-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10557.2 lumens
Efficiency: N/A
Efficacy: 98.3 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): 107.4
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

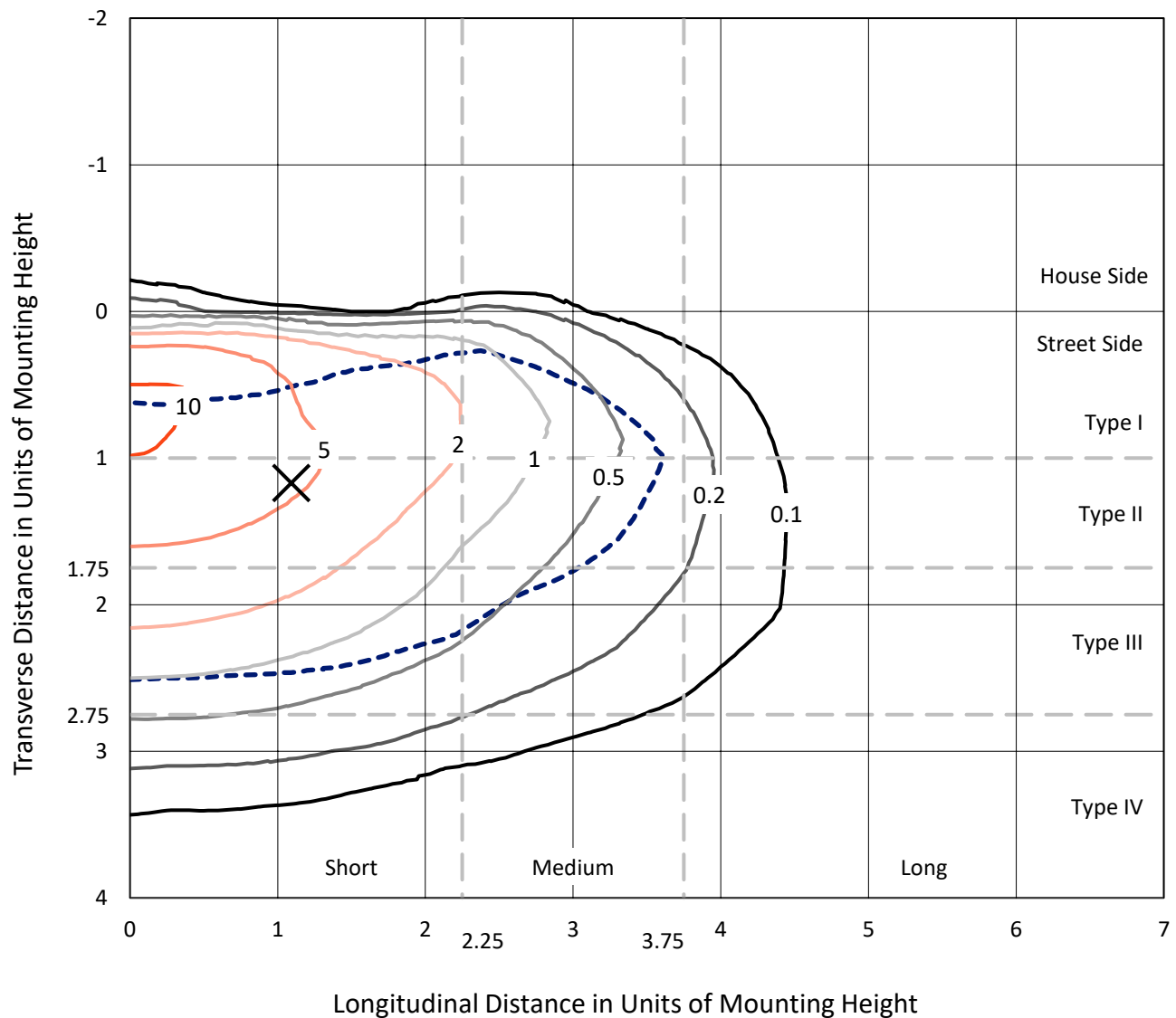


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CATALOG NUMBER: GALN-SA4A-930-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

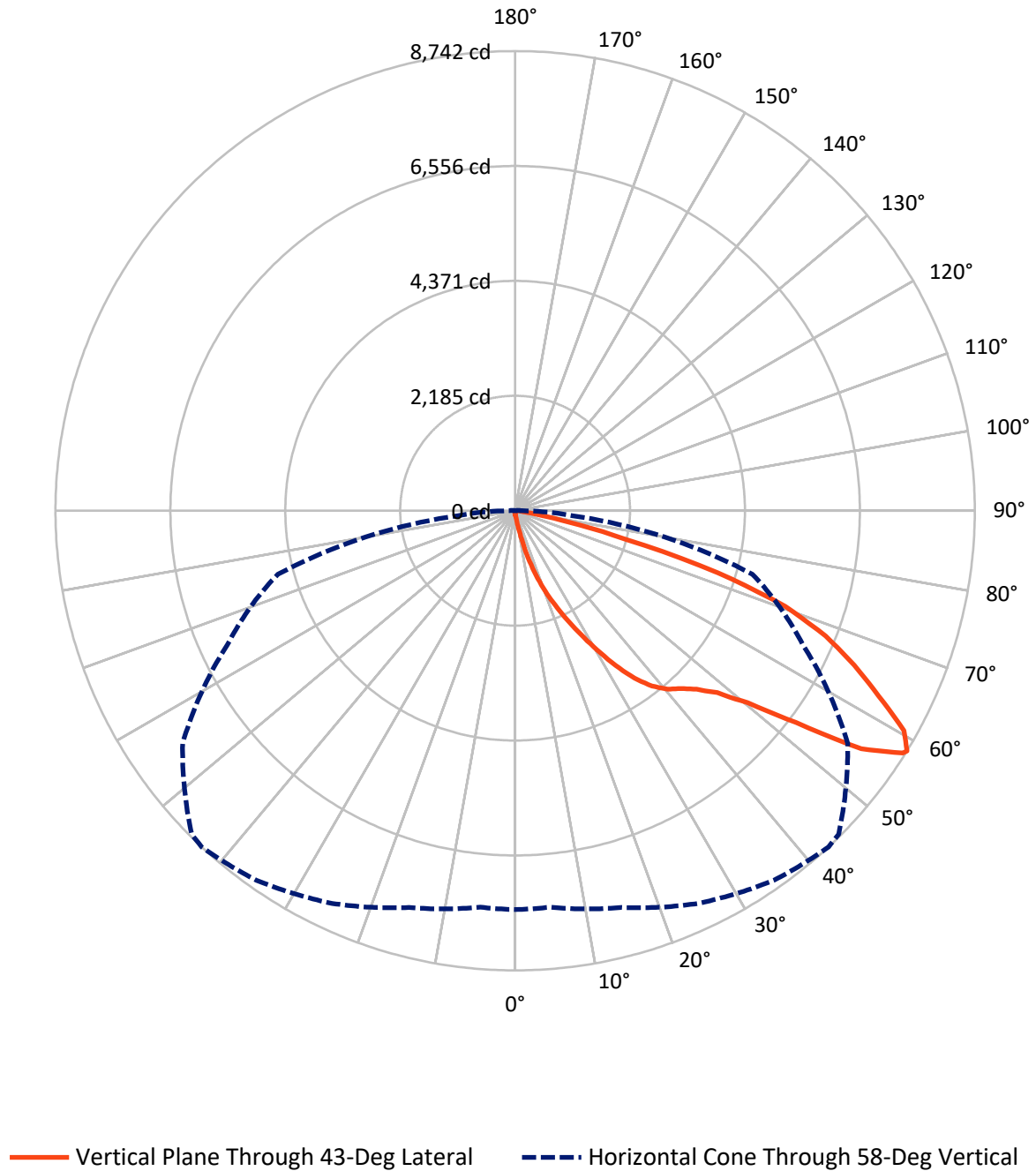


Based on 15 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - N/A

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CATALOG NUMBER: GALN-SA4A-930-U-T3BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.6	0.0	38.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10518.7	0.0	10518.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	10557.2	0.0	10557.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.1
10°-20°	121.4	1.1
20°-30°	437.4	4.1
30°-40°	1000.8	9.5
40°-50°	1687.9	16.0
50°-60°	2785.4	26.4
60°-70°	3113.1	29.5
70°-80°	1285.3	12.2
80°-90°	115.9	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°	10557.2	100.0
0°-180°	10557.2	100.0



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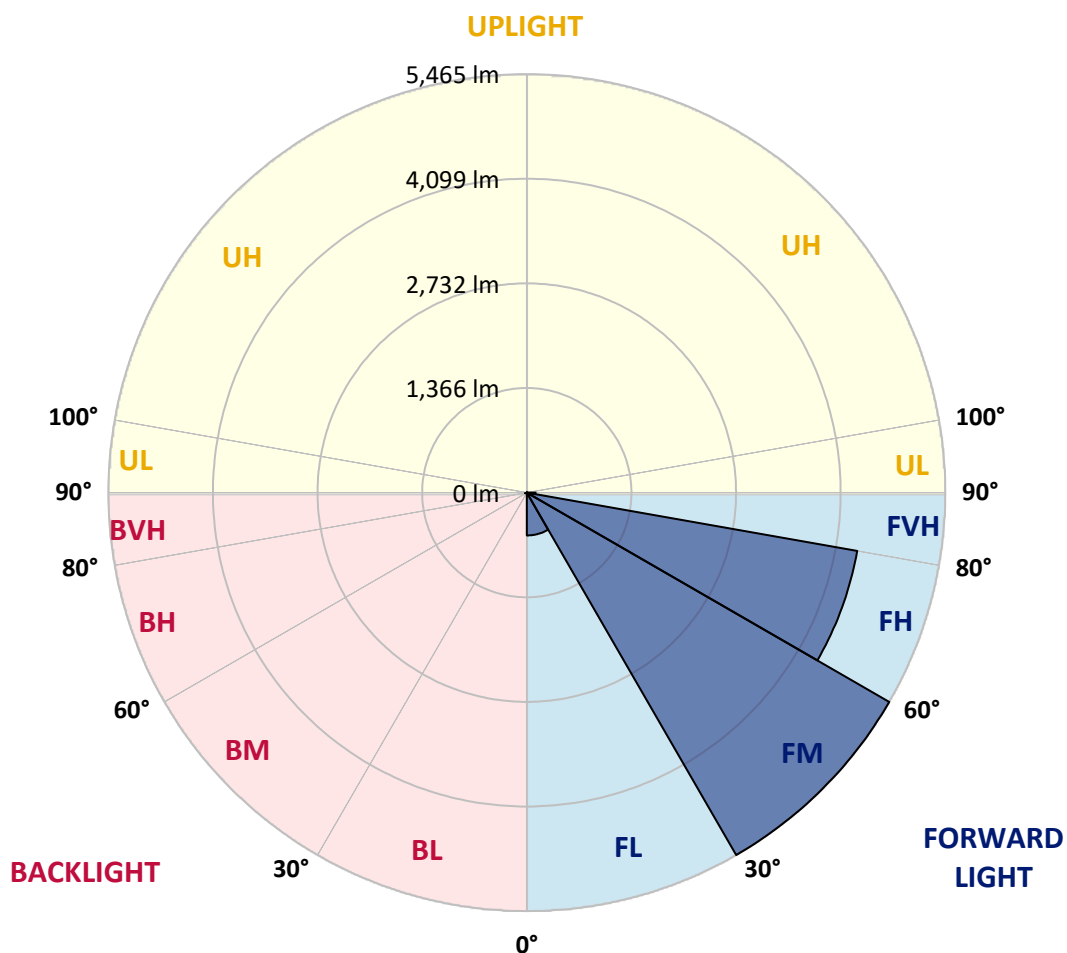
CATALOG NUMBER: GALN-SA4A-930-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	558.8	5.3			
FM	(30°-60°)	5464.8	51.8			
FH	(60°-80°)	4380.8	41.5			G2/5000
FVH	(80°-90°)	114.3	1.1			G2/225
BL	(0°-30°)	10.1	0.1	B0/110		
BM	(30°-60°)	9.2	0.1	B0/220		
BH	(60°-80°)	17.7	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2.5°	82.8	85.6	82.8	82.8	82.8	80.1	80.1	77.3	77.3	74.6	71.8
5°	121.5	121.5	113.2	107.7	102.2	99.4	96.6	91.1	85.6	80.1	74.6
7.5°	270.6	270.6	245.7	212.6	168.4	143.6	138.1	113.2	96.6	85.6	74.6
10°	646.1	646.1	590.9	499.8	386.6	287.2	256.8	162.9	116.0	91.1	77.3
12.5°	1074.1	1087.9	1018.9	902.9	734.5	560.5	499.8	298.2	154.6	99.4	77.3
15°	1457.9	1424.8	1405.4	1295.0	1134.8	927.7	850.4	502.5	223.7	113.2	77.3
17.5°	1717.4	1717.4	1689.8	1615.3	1468.9	1286.7	1223.2	811.8	361.7	129.8	80.1
20°	2021.2	2021.2	1971.5	1919.0	1789.2	1634.6	1573.9	1154.2	560.5	165.7	80.1
22.5°	2388.4	2393.9	2338.7	2244.8	2120.6	1949.4	1896.9	1471.7	811.8	220.9	82.8
25°	2835.7	2841.2	2761.1	2672.8	2482.3	2297.3	2217.2	1836.2	1118.3	309.2	82.8
27.5°	3329.9	3368.6	3249.9	3098.0	2896.4	2664.5	2603.8	2164.7	1422.0	436.3	88.4
30°	3945.7	3945.7	3788.3	3575.7	3357.6	3070.4	2993.1	2509.9	1745.0	604.7	93.9
32.5°	4475.8	4434.4	4232.8	4009.2	3777.2	3509.4	3426.6	2871.6	2076.4	814.5	104.9
35°	4881.7	4845.8	4597.3	4357.1	4155.5	3909.8	3810.4	3263.7	2427.0	1052.0	121.5
37.5°	5229.6	5215.8	4878.9	4578.0	4445.4	4230.1	4141.7	3633.7	2772.2	1308.8	140.8
40°	5610.6	5566.5	5207.5	4834.8	4636.0	4462.0	4381.9	3931.9	3103.5	1609.7	168.4
42.5°	5936.5	5884.0	5560.9	5196.5	4856.9	4622.2	4544.8	4183.1	3426.6	1910.7	204.3
45°	6298.2	6270.6	5944.7	5668.6	5215.8	4840.3	4738.1	4384.7	3722.0	2269.7	251.3
47.5°	6842.1	6792.4	6488.7	6262.3	5737.7	5171.6	5025.3	4591.8	4006.4	2623.1	323.1
50°	7474.4	7441.3	7261.8	7082.3	6560.5	5737.7	5563.7	4890.0	4324.0	3042.8	416.9
52.5°	7990.8	7985.2	8007.3	8010.1	7615.2	6690.3	6430.7	5370.4	4688.4	3457.0	549.5
55°	7979.7	8004.6	8247.5	8526.4	8556.8	7990.8	7739.5	6179.4	5163.3	3967.8	734.5
57.5°	7681.5	7662.2	7919.0	8338.7	8634.1	8694.9	8653.4	7435.8	5878.5	4583.5	1018.9
58°	7584.9	7568.3	7811.3	8239.3	8578.9	8741.8	8700.4	7720.2	6038.6	4671.9	1096.2
60°	7234.2	7237.0	7380.5	7769.9	8109.5	8496.0	8534.7	8531.9	6836.6	5262.7	1485.5
62.5°	6770.3	6748.2	6880.8	7198.3	7496.5	7756.1	7822.3	8587.2	8004.6	6013.8	2228.2
65°	6129.7	6096.6	6237.4	6596.4	6916.7	7085.1	7087.9	7847.2	8554.0	6820.0	3288.5
67.5°	4939.7	4912.1	5193.7	5654.8	6149.1	6370.0	6469.4	6809.0	8090.2	7366.7	3896.0
70°	3026.2	3084.2	3476.3	4199.7	5044.6	5450.5	5599.6	5704.5	6889.1	7283.9	3258.2
72.5°	1397.1	1328.1	1662.2	2167.5	3131.1	4034.0	4188.7	4600.1	5461.5	6323.0	2429.8
75°	651.6	626.8	704.1	947.1	1419.2	2178.5	2460.2	3672.3	4188.7	4398.5	1753.3
77.5°	334.1	336.9	400.4	430.7	585.4	1007.8	1156.9	2416.0	3070.4	2454.7	1176.2
80°	146.3	151.9	154.6	168.4	237.5	389.3	439.0	1121.0	2098.5	1250.8	643.3
82.5°	93.9	96.6	96.6	96.6	113.2	154.6	176.7	450.1	1046.5	621.3	198.8
85°	49.7	49.7	55.2	69.0	80.1	93.9	99.4	143.6	345.1	185.0	46.9
87.5°	27.6	30.4	33.1	41.4	52.5	63.5	69.0	99.4	132.5	127.0	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-SA4A-930-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2.5°	71.8	69.0	66.3	63.5	60.7	58.0	58.0	58.0	58.0	58.0	58.0
5°	69.0	66.3	63.5	58.0	52.5	49.7	46.9	44.2	44.2	44.2	44.2
7.5°	69.0	66.3	58.0	52.5	46.9	41.4	35.9	35.9	35.9	35.9	35.9
10°	69.0	63.5	55.2	46.9	38.7	33.1	30.4	27.6	27.6	27.6	27.6
12.5°	69.0	60.7	52.5	41.4	33.1	27.6	24.9	22.1	22.1	22.1	22.1
15°	69.0	60.7	49.7	38.7	30.4	22.1	19.3	16.6	16.6	16.6	16.6
17.5°	66.3	58.0	46.9	33.1	24.9	16.6	13.8	11.0	11.0	13.8	13.8
20°	63.5	55.2	41.4	27.6	19.3	13.8	8.3	8.3	8.3	8.3	8.3
22.5°	63.5	55.2	38.7	24.9	16.6	8.3	5.5	5.5	5.5	5.5	8.3
25°	63.5	52.5	33.1	19.3	11.0	5.5	2.8	2.8	2.8	2.8	2.8
27.5°	63.5	52.5	30.4	16.6	8.3	5.5	2.8	0.0	0.0	0.0	0.0
30°	60.7	49.7	27.6	13.8	5.5	2.8	0.0	0.0	0.0	0.0	0.0
32.5°	60.7	46.9	22.1	11.0	5.5	2.8	0.0	0.0	0.0	0.0	0.0
35°	63.5	44.2	19.3	8.3	2.8	0.0	0.0	0.0	0.0	0.0	2.8
37.5°	66.3	41.4	16.6	5.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	69.0	38.7	16.6	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	74.6	38.7	13.8	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	80.1	38.7	11.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	91.1	41.4	11.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	99.4	44.2	8.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	110.4	41.4	8.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	124.3	41.4	8.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	135.3	38.7	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	140.8	35.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	168.4	33.1	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	262.3	27.6	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	532.9	24.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	994.0	22.1	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1112.7	24.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	701.3	19.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	370.0	19.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	185.0	19.3	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	85.6	13.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	35.9	8.3	5.5	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.6	8.3	5.5	5.5	2.8	2.8	0.0	0.0	0.0	0.0	0.0
87.5°	8.3	8.3	8.3	5.5	5.5	2.8	2.8	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: SP1-2407-184-14

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-930-U-5WQ

Data in this report applies to families of products including GSS-SB1A-930-U-5WQ

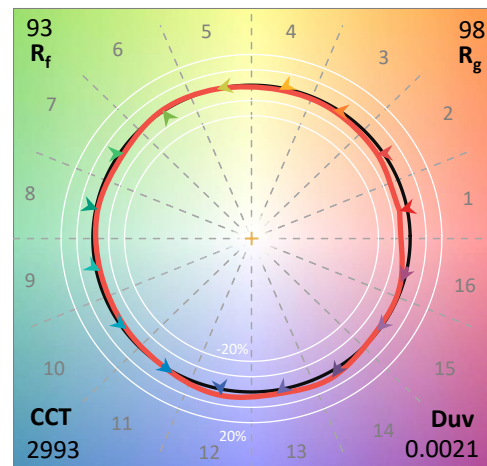
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-14
 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-930-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2993
 CIE u' : 0.2501
 CIE v' : 0.5245
 Duv: 0.0021
 CIE x: 0.4406
 CIE y: 0.4107
 CIE z: 0.1487
 Peak Wavelength (nm): 621
 Dominant Wavelength (nm): 582
 Purity: 55.53327
 R_f: 92.6
 R_g: 98.5

CRI (Ra): 92.4
 R1: 92.2
 R2: 95.2
 R3: 97.0
 R4: 93.1
 R5: 91.7
 R6: 94.2
 R7: 93.3
 R8: 82.3
 R9: 58.2
 R10: 87.7
 R11: 93.5
 R12: 81.7
 R13: 92.9
 R14: 97.6
 R15: 88.1



Test Conditions

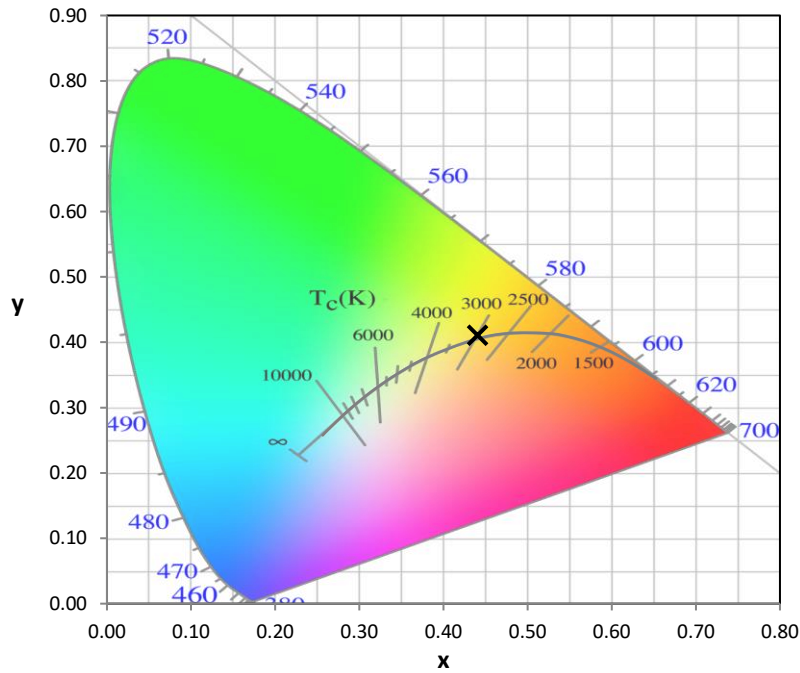
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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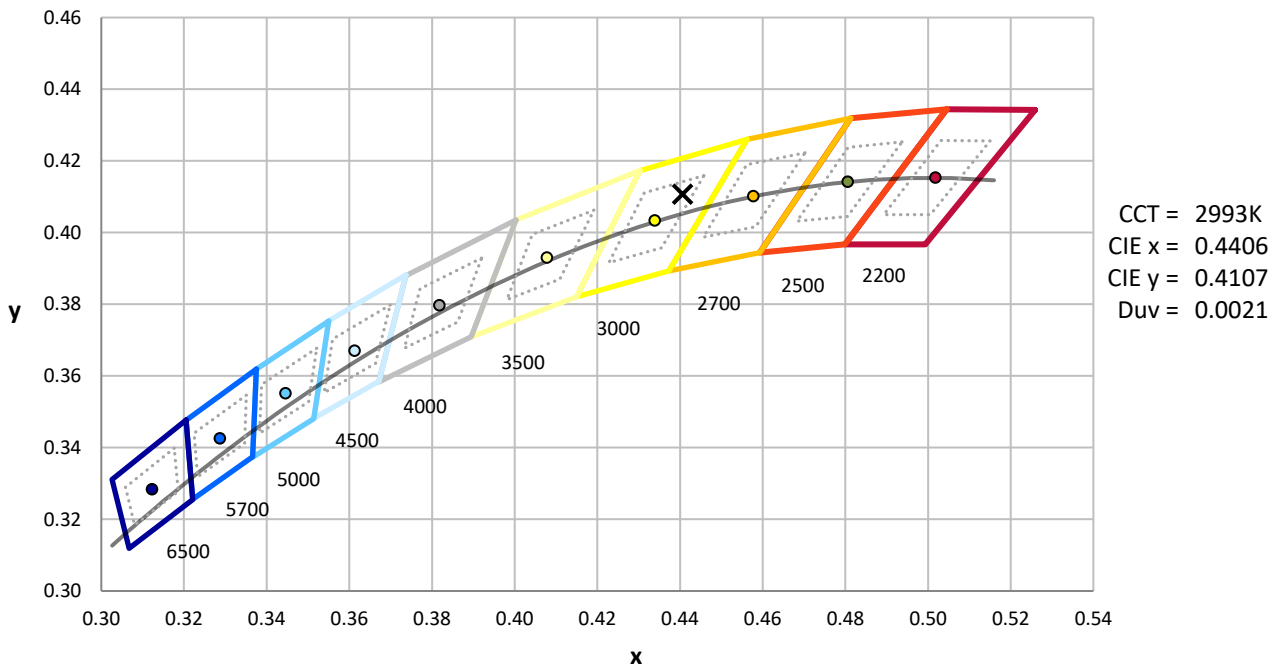
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



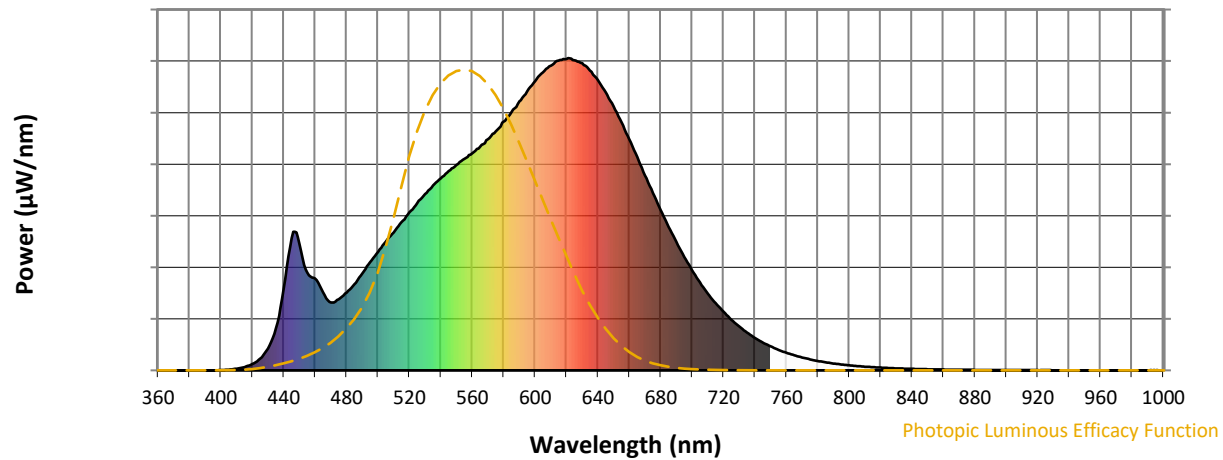
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

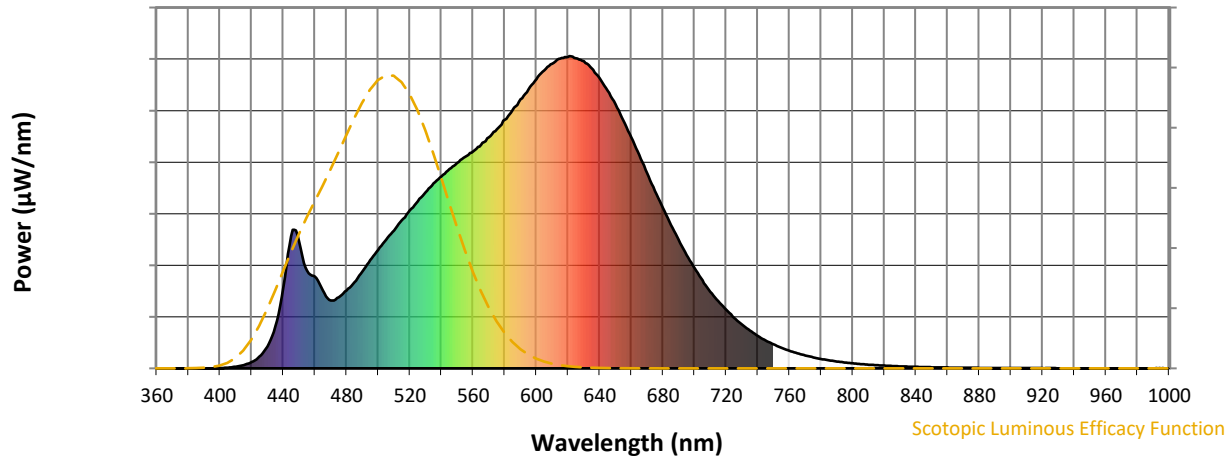


Photopic Lumens: NR

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



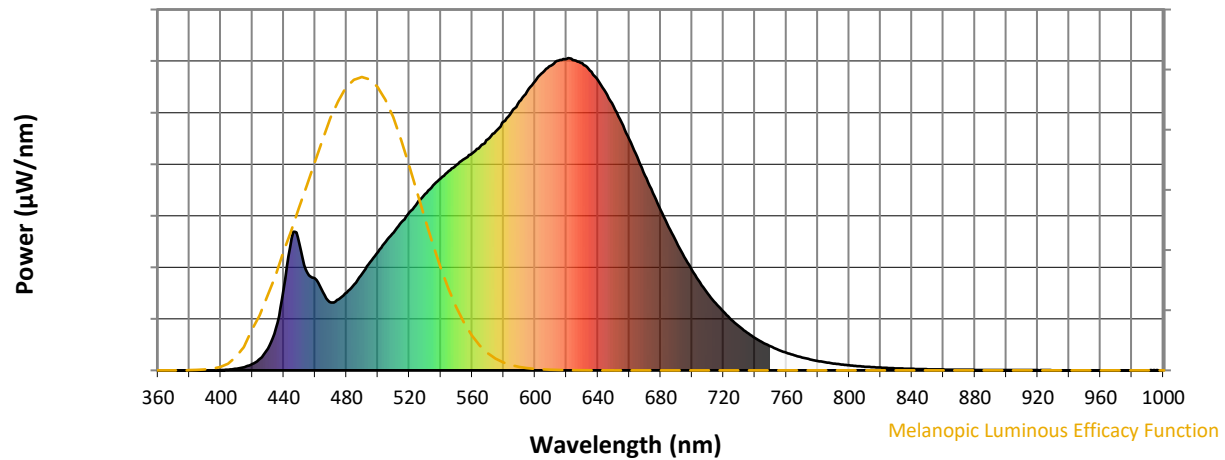
Scotopic Lumens: NR

S/P: 1.39

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

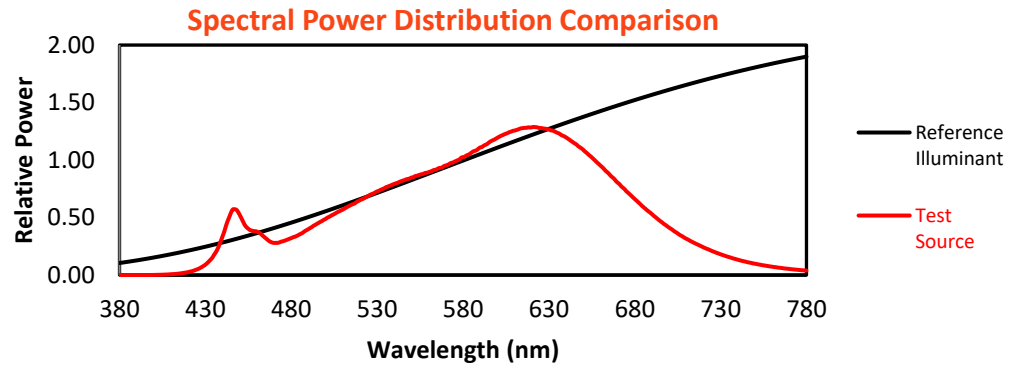
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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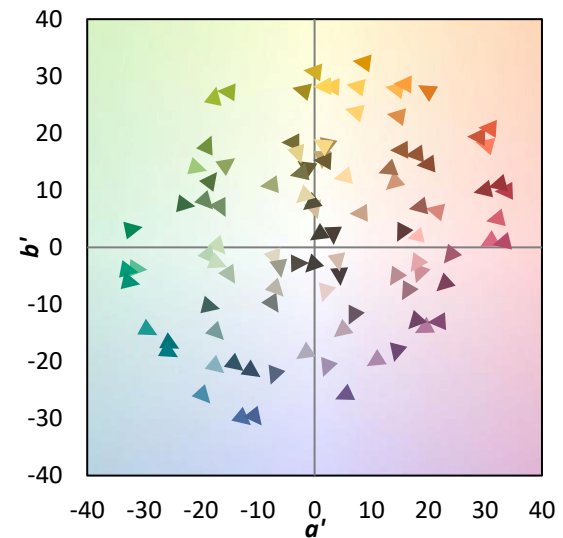
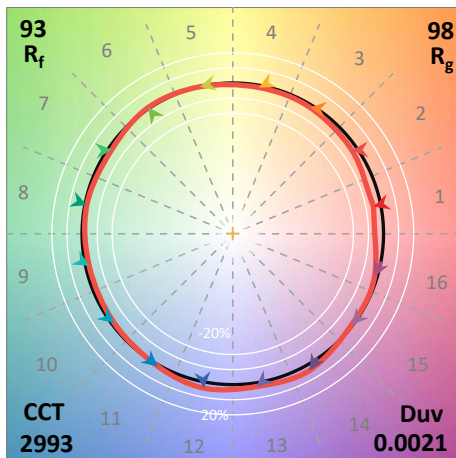
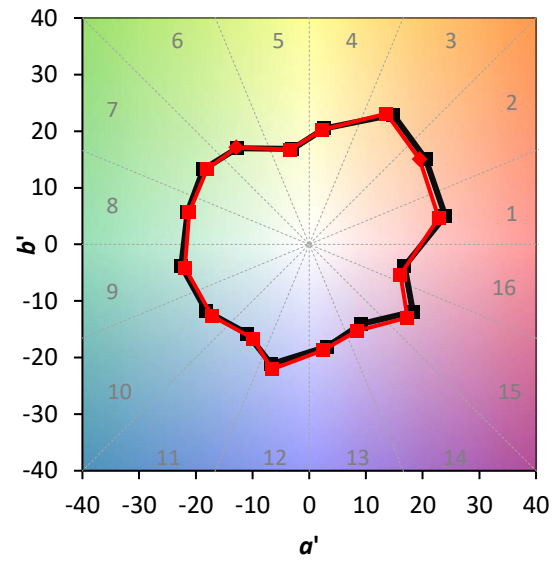
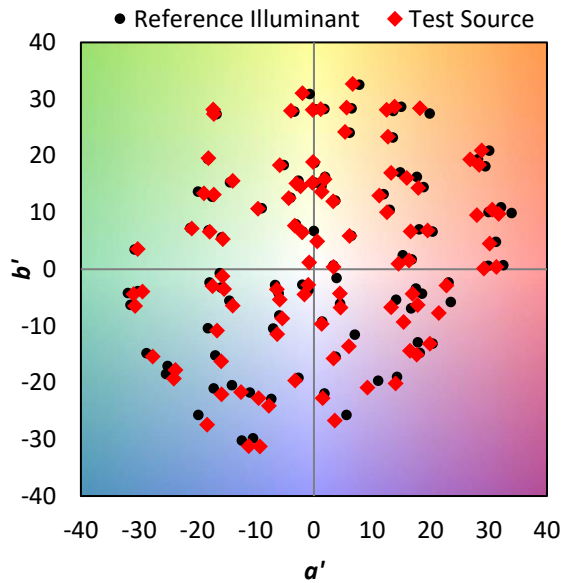
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $\text{CIE } R_a = 92.4$
 $R_9 = 58.2$

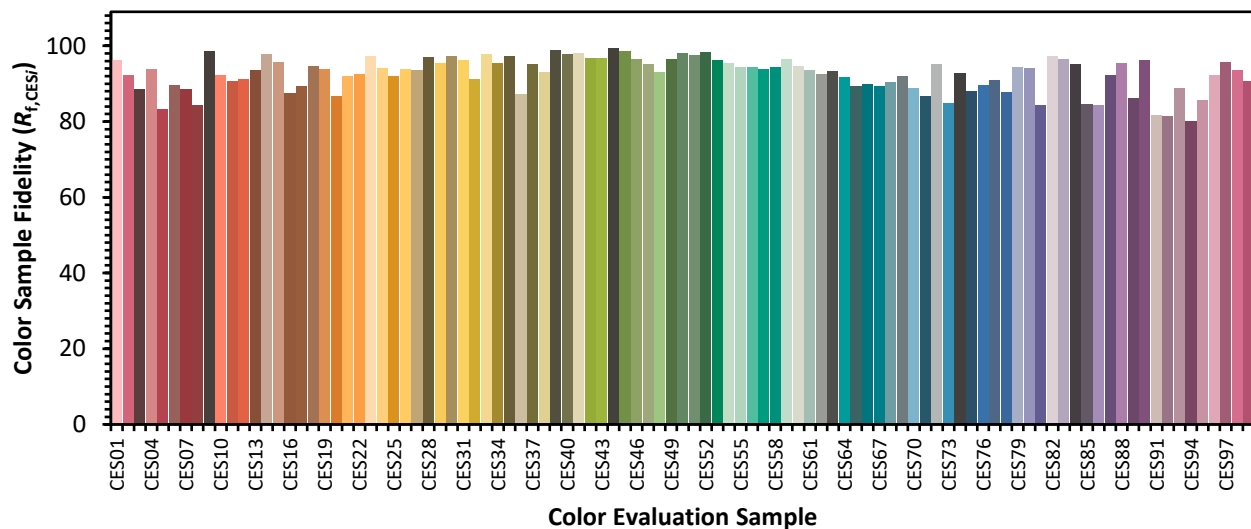


Color Vector Graphics

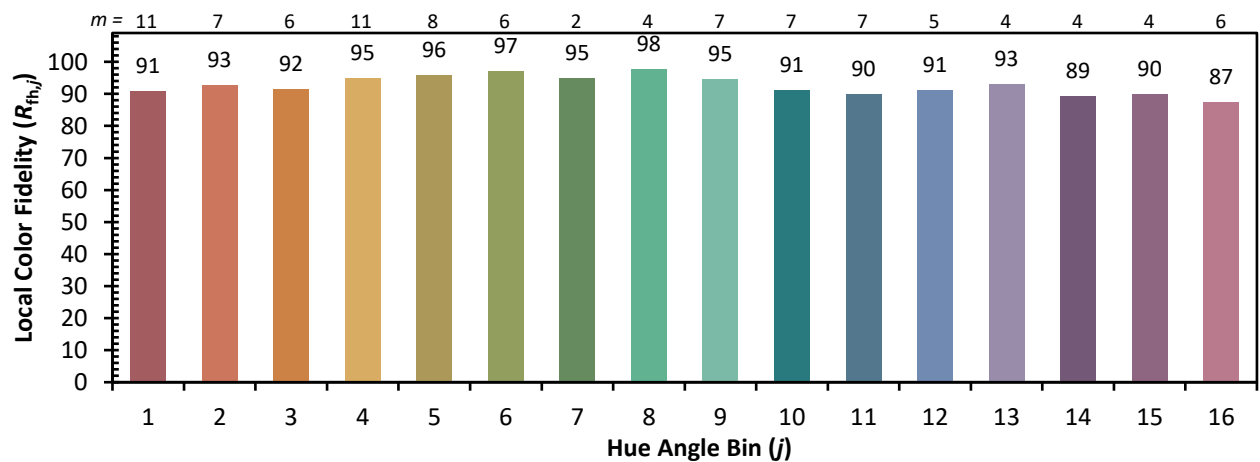
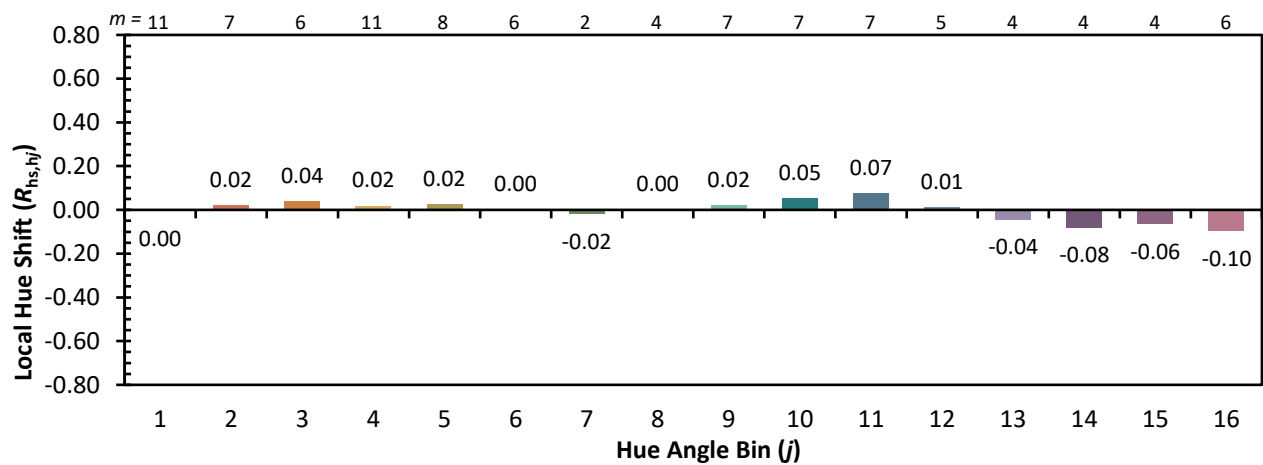
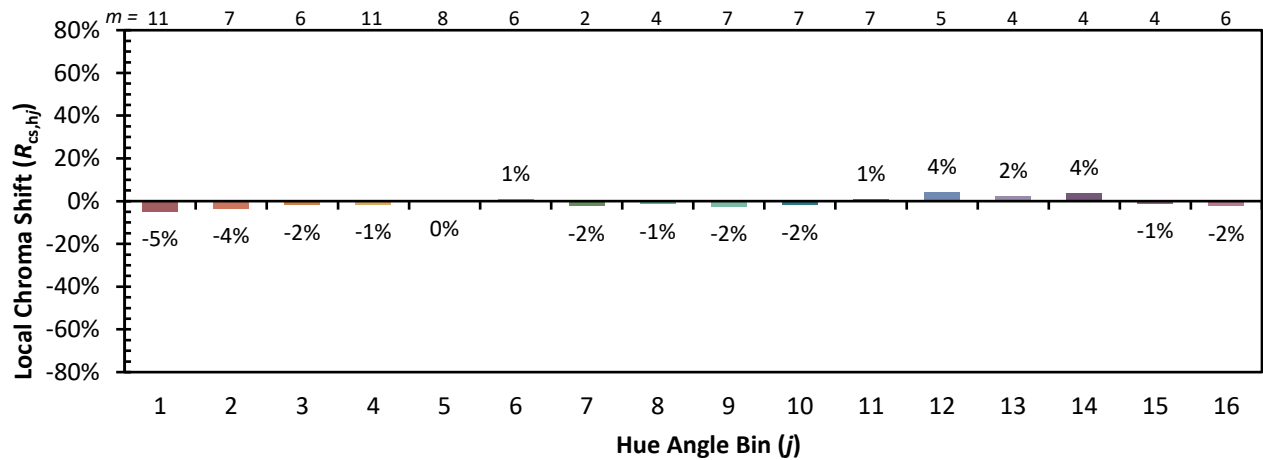


Individual Sample Fidelity Index ($R_{f,i}$)

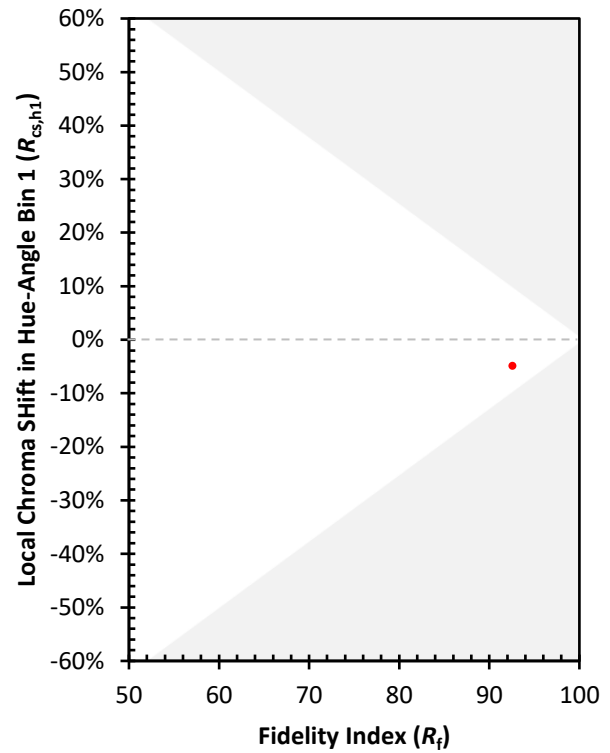
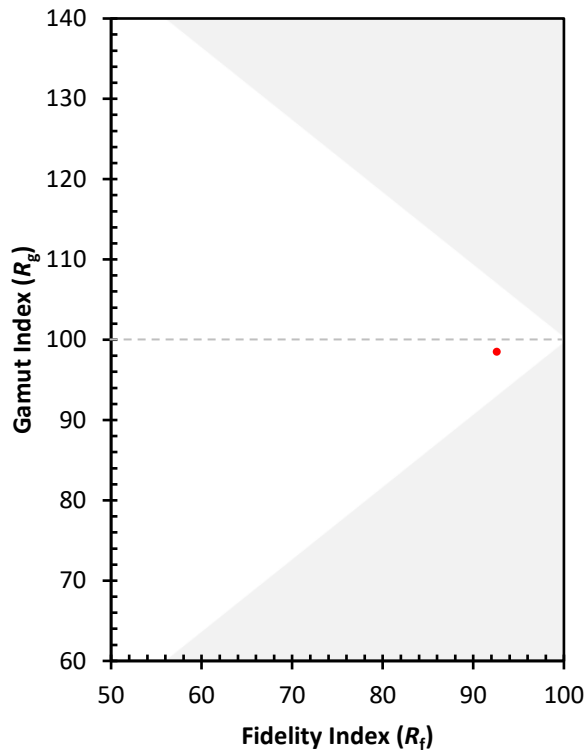
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 42	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 97	CES60 = 95	CES85 = 85
CES11 = 59	CES36 = 87	CES61 = 94	CES86 = 84
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 93	CES63 = 93	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 90	CES91 = 82
CES17 = 50	CES42 = 97	CES67 = 89	CES92 = 81
CES18 = 57	CES43 = 97	CES68 = 90	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 80
CES20 = 67	CES45 = 99	CES70 = 89	CES95 = 86
CES21 = 86	CES46 = 96	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 97	CES74 = 93	CES99 = 91
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)