

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: P1047494

Luminaire Tested: **GALN-SA4B-930-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047494
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-930-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 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: 13054.8 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 144.1
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

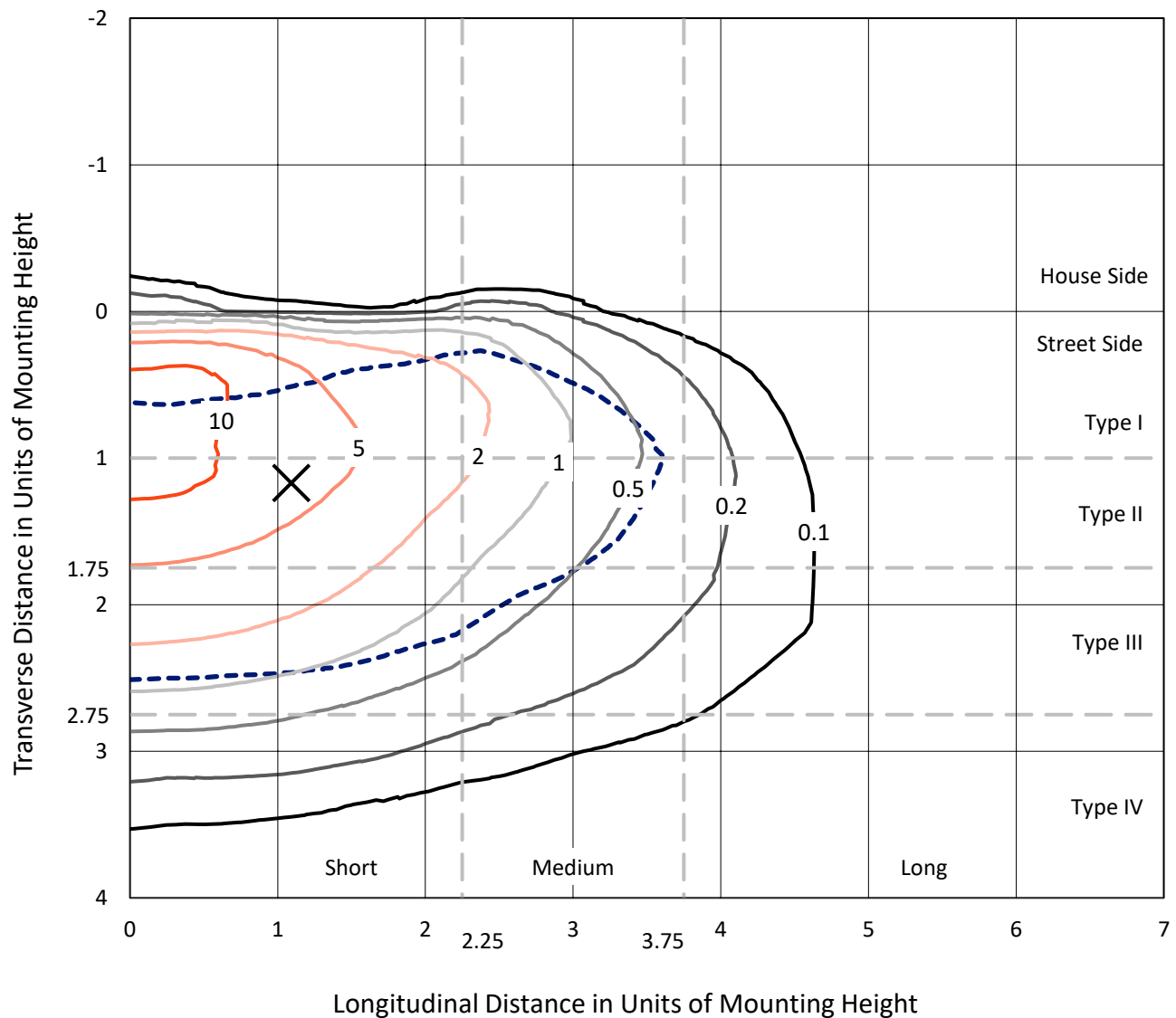


REPORT NUMBER: P1047494

CATALOG NUMBER: GALN-SA4B-930-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

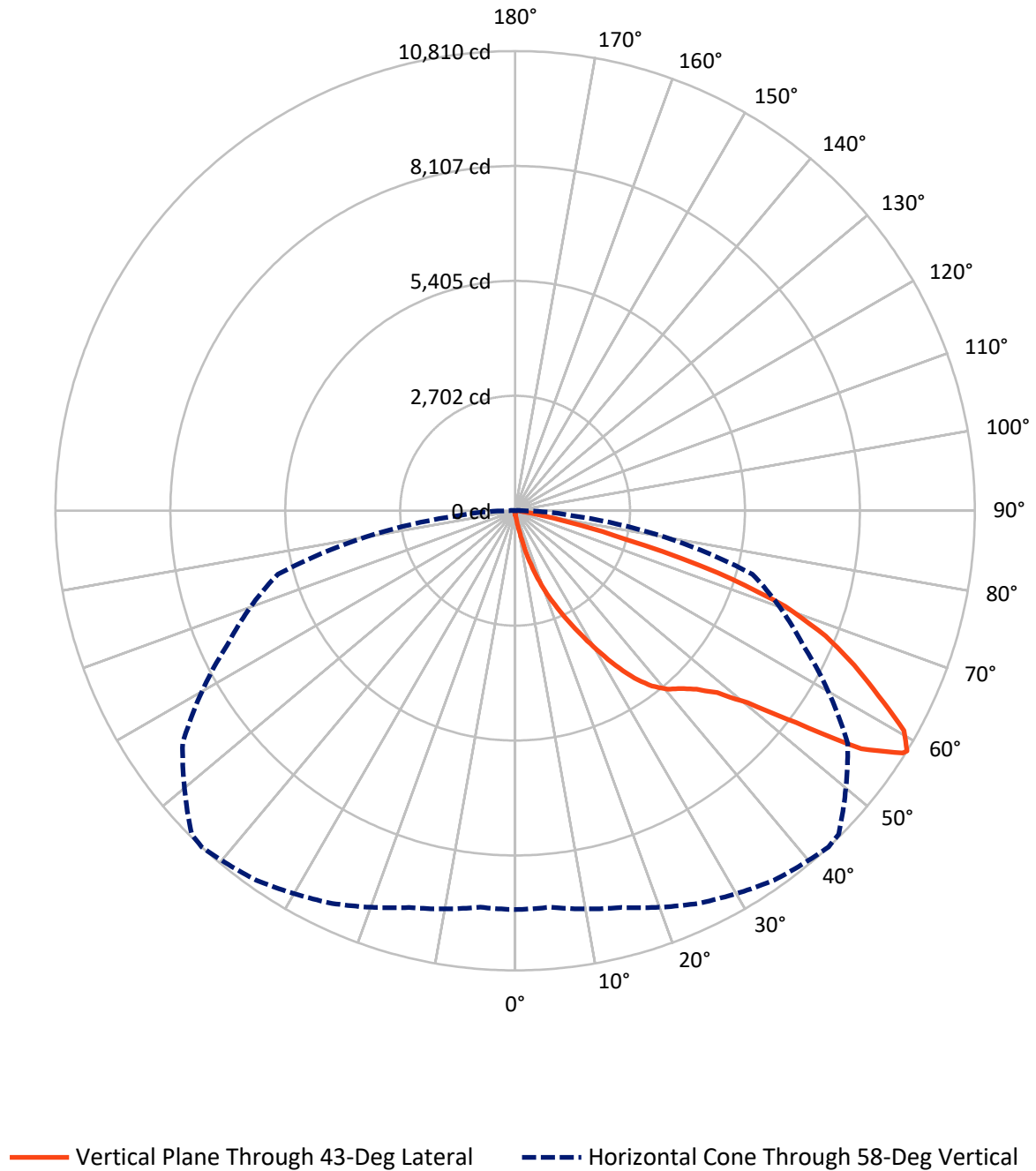


Based on 15 foot mounting height. Maximum calculated value = 14.6 fc
 Type III - Short - N/A

REPORT NUMBER: P1047494

CATALOG NUMBER: GALN-SA4B-930-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1047494

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	47.6	0.0	47.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13007.2	0.0	13007.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	13054.8	0.0	13054.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.1
10°-20°	150.1	1.1
20°-30°	540.9	4.1
30°-40°	1237.5	9.5
40°-50°	2087.2	16.0
50°-60°	3444.4	26.4
60°-70°	3849.6	29.5
70°-80°	1589.4	12.2
80°-90°	143.3	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°	13054.8	100.0
0°-180°	13054.8	100.0



REPORT NUMBER: P1047494

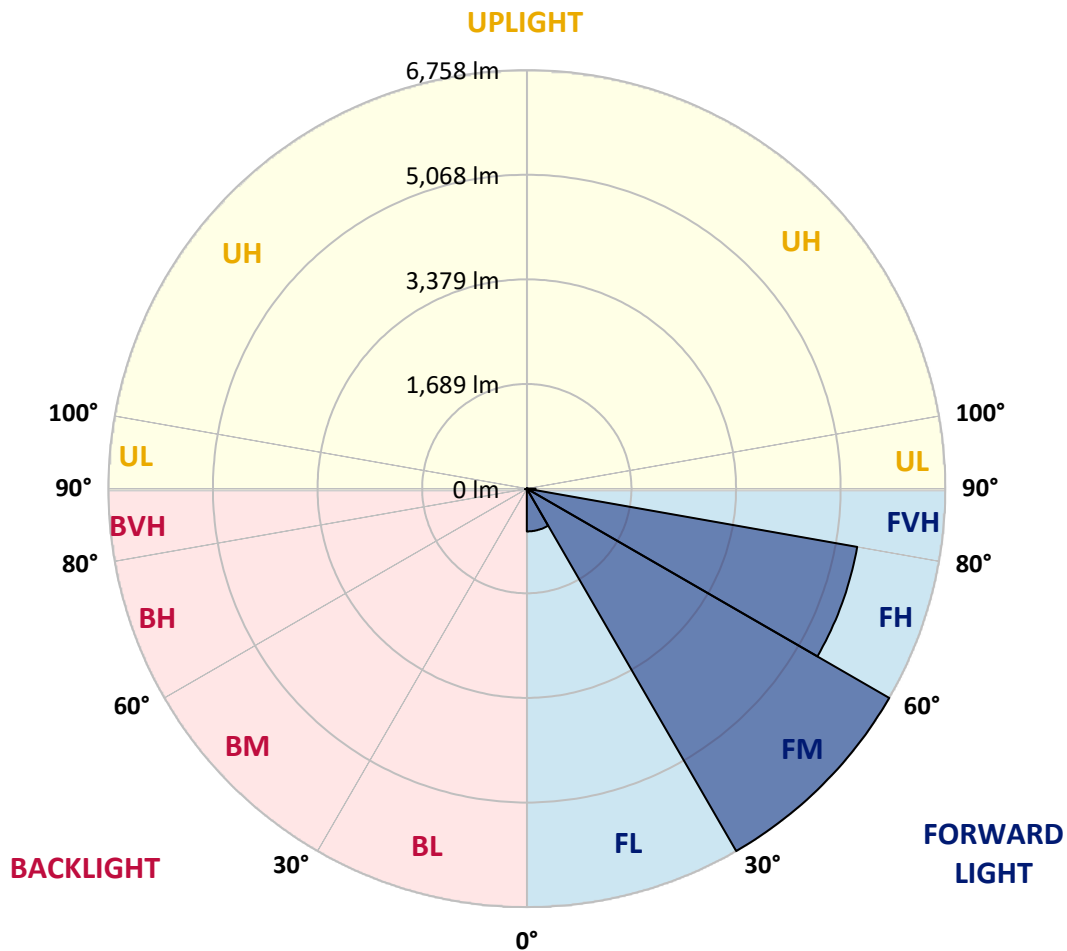
CATALOG NUMBER: GALN-SA4B-930-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	691.0	5.3			
FM	(30°-60°)	6757.7	51.8			
FH	(60°-80°)	5417.2	41.5			G3/7500
FVH	(80°-90°)	141.3	1.1			G2/225
BL	(0°-30°)	12.4	0.1	B0/110		
BM	(30°-60°)	11.4	0.1	B0/220		
BH	(60°-80°)	21.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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 III Short



REPORT NUMBER: P1047494

CATALOG NUMBER: GALN-SA4B-930-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
2.5°	102.4	105.8	102.4	102.4	102.4	99.0	99.0	95.6	95.6	92.2	88.8
5°	150.2	150.2	140.0	133.2	126.3	122.9	119.5	112.7	105.8	99.0	92.2
7.5°	334.6	334.6	303.9	262.9	208.3	177.5	170.7	140.0	119.5	105.8	92.2
10°	799.0	799.0	730.7	618.0	478.0	355.1	317.5	201.4	143.4	112.7	95.6
12.5°	1328.2	1345.3	1259.9	1116.5	908.2	693.1	618.0	368.8	191.2	122.9	95.6
15°	1802.8	1761.8	1737.9	1601.3	1403.3	1147.2	1051.6	621.4	276.6	140.0	95.6
17.5°	2123.7	2123.7	2089.6	1997.4	1816.4	1591.1	1512.6	1003.8	447.3	160.5	99.0
20°	2499.3	2499.3	2437.9	2373.0	2212.5	2021.3	1946.2	1427.2	693.1	204.9	99.0
22.5°	2953.4	2960.3	2892.0	2775.9	2622.2	2410.6	2345.7	1819.9	1003.8	273.2	102.4
25°	3506.6	3513.4	3414.4	3305.1	3069.5	2840.8	2741.7	2270.6	1382.8	382.4	102.4
27.5°	4117.7	4165.5	4018.7	3830.9	3581.7	3294.9	3219.8	2676.9	1758.4	539.5	109.3
30°	4879.1	4879.1	4684.5	4421.6	4151.9	3796.8	3701.2	3103.7	2157.9	747.7	116.1
32.5°	5534.7	5483.5	5234.2	4957.7	4670.9	4339.7	4237.2	3551.0	2567.6	1007.2	129.7
35°	6036.6	5992.2	5684.9	5387.9	5138.6	4834.8	4711.8	4035.8	3001.2	1300.9	150.2
37.5°	6466.8	6449.8	6033.2	5661.0	5497.2	5230.8	5121.6	4493.3	3428.0	1618.4	174.1
40°	6938.0	6883.4	6439.5	5978.6	5732.7	5517.6	5418.6	4862.1	3837.8	1990.6	208.3
42.5°	7340.9	7276.0	6876.6	6425.9	6005.9	5715.7	5620.1	5172.8	4237.2	2362.8	252.7
45°	7788.2	7754.1	7351.2	7009.7	6449.8	5985.4	5859.1	5422.0	4602.6	2806.6	310.7
47.5°	8460.8	8399.4	8023.8	7743.8	7095.1	6395.1	6214.2	5678.1	4954.3	3243.7	399.5
50°	9242.7	9201.8	8979.8	8757.9	8112.6	7095.1	6880.0	6046.9	5346.9	3762.6	515.6
52.5°	9881.2	9874.4	9901.7	9905.1	9416.9	8273.0	7952.1	6641.0	5797.6	4274.8	679.5
55°	9867.6	9898.3	10198.8	10543.6	10581.2	9881.2	9570.5	7641.4	6384.9	4906.5	908.2
57.5°	9498.8	9474.9	9792.4	10311.4	10676.8	10751.9	10700.7	9194.9	7269.2	5667.9	1259.9
58°	9379.3	9358.8	9659.3	10188.5	10608.5	10809.9	10758.7	9546.6	7467.2	5777.1	1355.5
60°	8945.7	8949.1	9126.6	9608.1	10028.0	10506.0	10553.8	10550.4	8454.0	6507.8	1836.9
62.5°	8372.1	8344.7	8508.6	8901.3	9270.0	9591.0	9672.9	10618.7	9898.3	7436.5	2755.4
65°	7579.9	7538.9	7713.1	8157.0	8553.0	8761.3	8764.7	9703.7	10577.7	8433.5	4066.5
67.5°	6108.3	6074.2	6422.4	6992.6	7603.8	7877.0	7999.9	8419.9	10004.1	9109.6	4817.7
70°	3742.2	3813.9	4298.7	5193.3	6238.1	6740.0	6924.4	7054.1	8518.9	9007.1	4029.0
72.5°	1727.7	1642.3	2055.5	2680.3	3871.9	4988.4	5179.6	5688.4	6753.6	7818.9	3004.7
75°	805.8	775.1	870.7	1171.1	1755.0	2693.9	3042.2	4541.1	5179.6	5439.1	2168.1
77.5°	413.1	416.6	495.1	532.6	723.8	1246.2	1430.6	2987.6	3796.8	3035.4	1454.5
80°	181.0	187.8	191.2	208.3	293.6	481.4	542.9	1386.2	2594.9	1546.7	795.6
82.5°	116.1	119.5	119.5	119.5	140.0	191.2	218.5	556.5	1294.0	768.2	245.8
85°	61.5	61.5	68.3	85.4	99.0	116.1	122.9	177.5	426.8	228.8	58.0
87.5°	34.1	37.6	41.0	51.2	64.9	78.5	85.4	122.9	163.9	157.1	13.7
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: P1047494

CATALOG NUMBER: GALN-SA4B-930-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
2.5°	88.8	85.4	81.9	78.5	75.1	71.7	71.7	71.7	71.7	71.7	71.7
5°	85.4	81.9	78.5	71.7	64.9	61.5	58.0	54.6	54.6	54.6	54.6
7.5°	85.4	81.9	71.7	64.9	58.0	51.2	44.4	44.4	44.4	44.4	44.4
10°	85.4	78.5	68.3	58.0	47.8	41.0	37.6	34.1	34.1	34.1	34.1
12.5°	85.4	75.1	64.9	51.2	41.0	34.1	30.7	27.3	27.3	27.3	27.3
15°	85.4	75.1	61.5	47.8	37.6	27.3	23.9	20.5	20.5	20.5	20.5
17.5°	81.9	71.7	58.0	41.0	30.7	20.5	17.1	13.7	13.7	17.1	17.1
20°	78.5	68.3	51.2	34.1	23.9	17.1	10.2	10.2	10.2	10.2	10.2
22.5°	78.5	68.3	47.8	30.7	20.5	10.2	6.8	6.8	6.8	6.8	10.2
25°	78.5	64.9	41.0	23.9	13.7	6.8	3.4	3.4	3.4	3.4	3.4
27.5°	78.5	64.9	37.6	20.5	10.2	6.8	3.4	0.0	0.0	0.0	0.0
30°	75.1	61.5	34.1	17.1	6.8	3.4	0.0	0.0	0.0	0.0	0.0
32.5°	75.1	58.0	27.3	13.7	6.8	3.4	0.0	0.0	0.0	0.0	0.0
35°	78.5	54.6	23.9	10.2	3.4	0.0	0.0	0.0	0.0	0.0	3.4
37.5°	81.9	51.2	20.5	6.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	85.4	47.8	20.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	92.2	47.8	17.1	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	99.0	47.8	13.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	112.7	51.2	13.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	122.9	54.6	10.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	136.6	51.2	10.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	153.6	51.2	10.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	167.3	47.8	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	174.1	44.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	208.3	41.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	324.4	34.1	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	659.0	30.7	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1229.2	27.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1376.0	30.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	867.3	23.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	457.5	23.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	228.8	23.9	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	105.8	17.1	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	44.4	10.2	6.8	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.5	10.2	6.8	6.8	3.4	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	10.2	10.2	10.2	6.8	6.8	3.4	3.4	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: SP1-2407-184-14

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

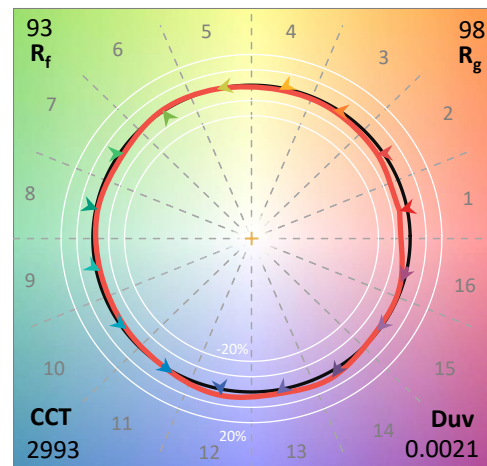
Test Information

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

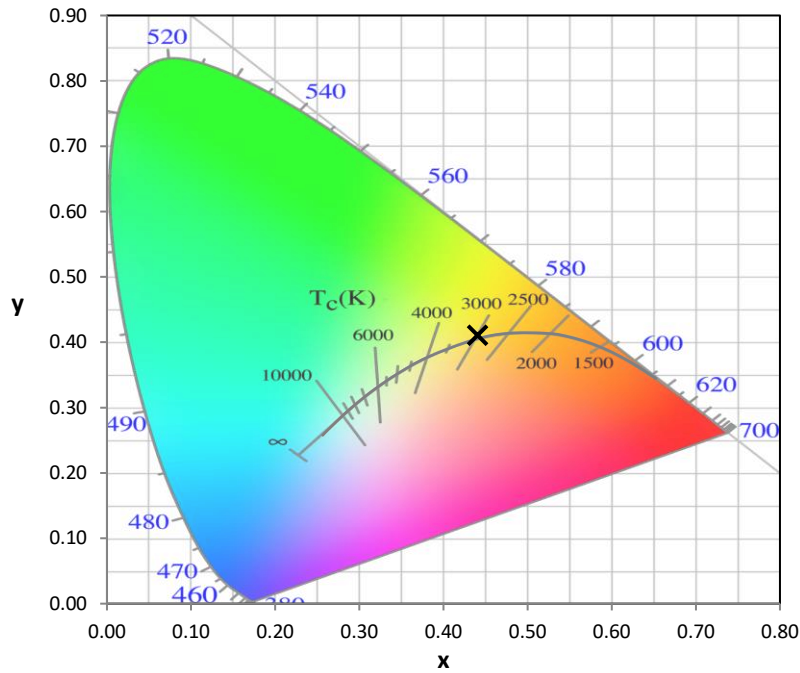
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

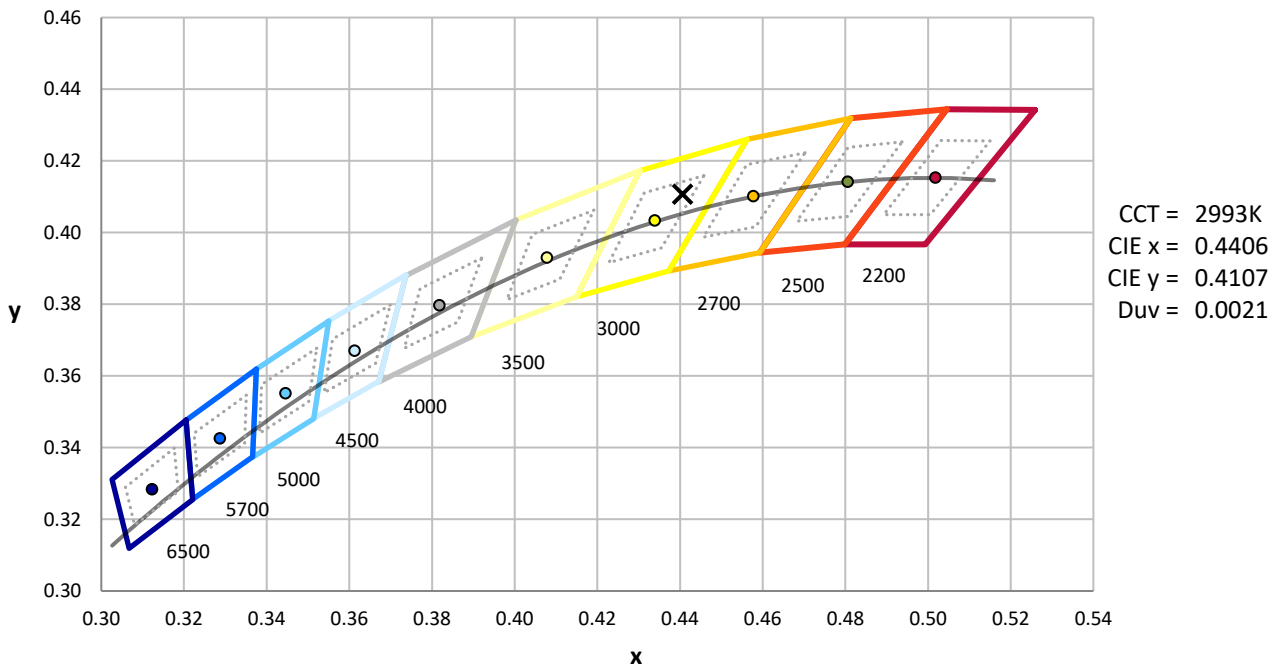
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-14

CIE 1931 Chromaticity Diagram



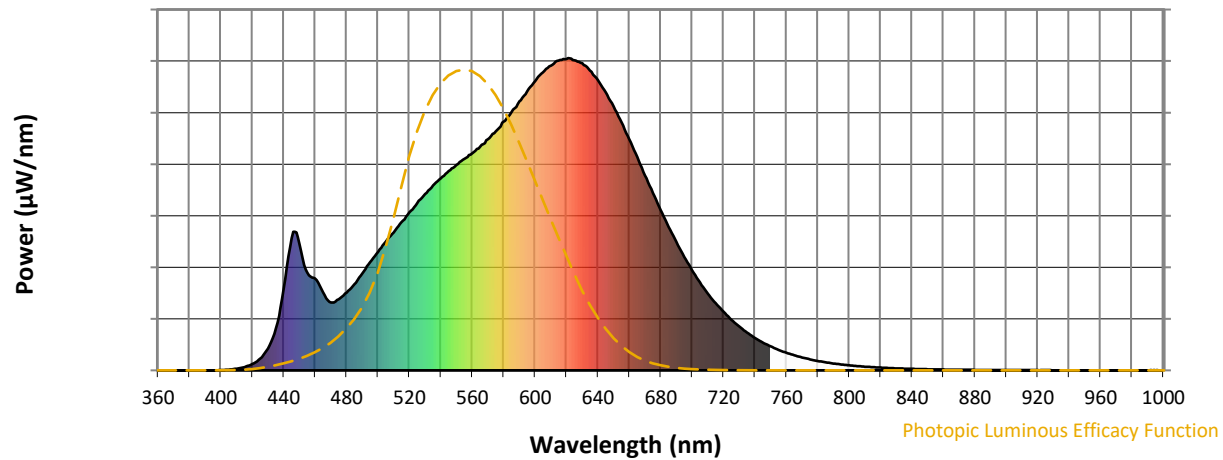
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-14

Photopic Flux vs. Wavelength

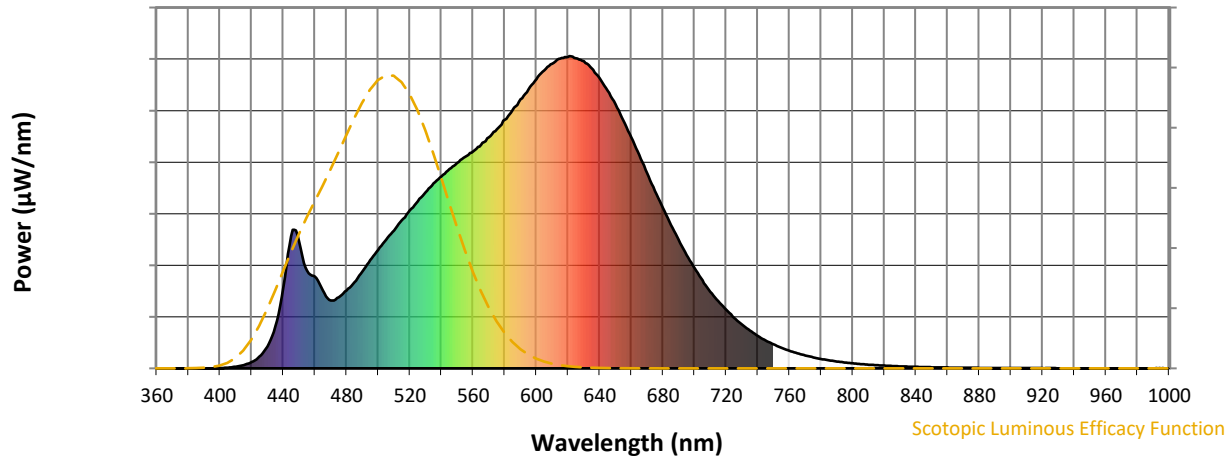


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-14

Scotopic Flux vs. Wavelength



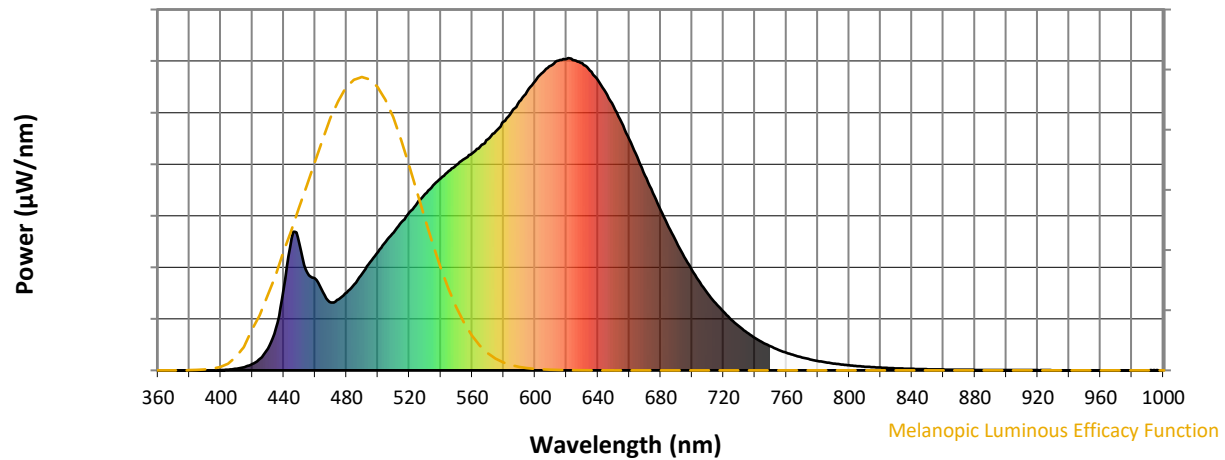
Scotopic Lumens: NR

S/P: 1.39

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	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			

REPORT NUMBER: SP1-2407-184-14

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

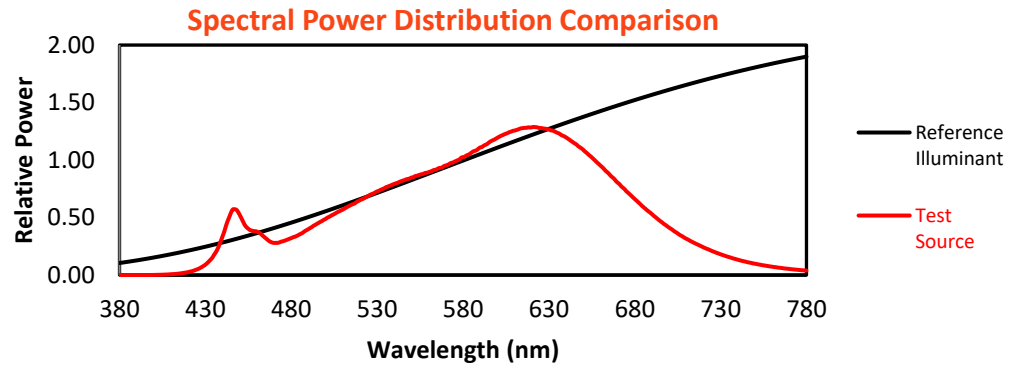
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	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			

REPORT NUMBER: SP1-2407-184-14

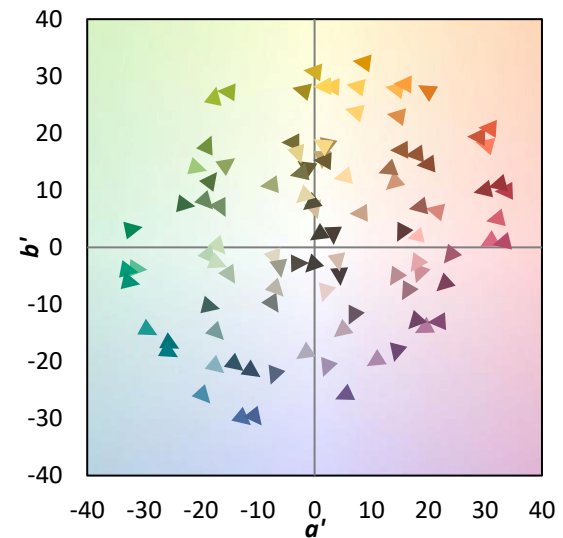
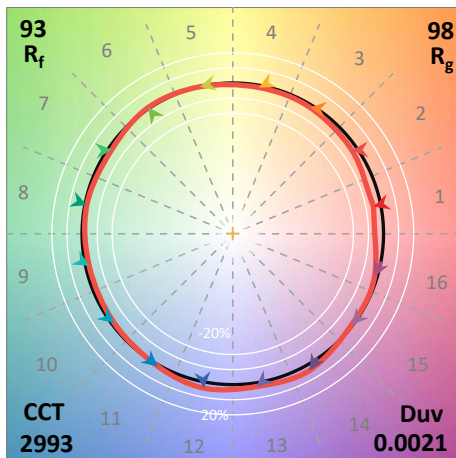
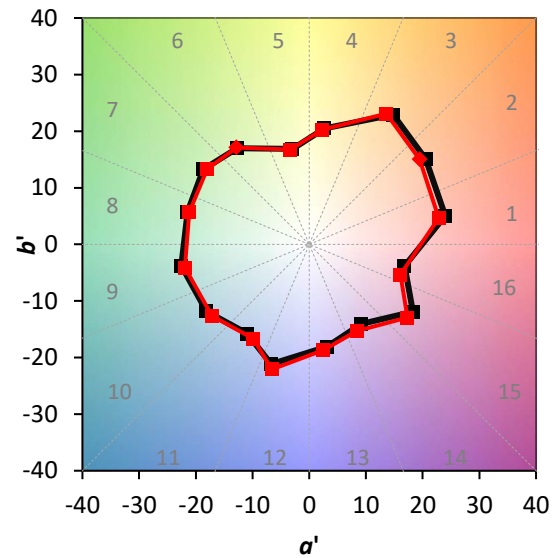
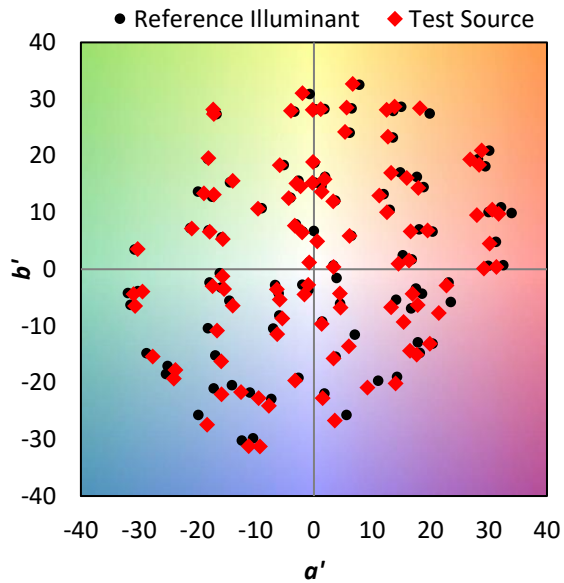
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $CIE R_a = 92.4$
 $R_9 = 58.2$

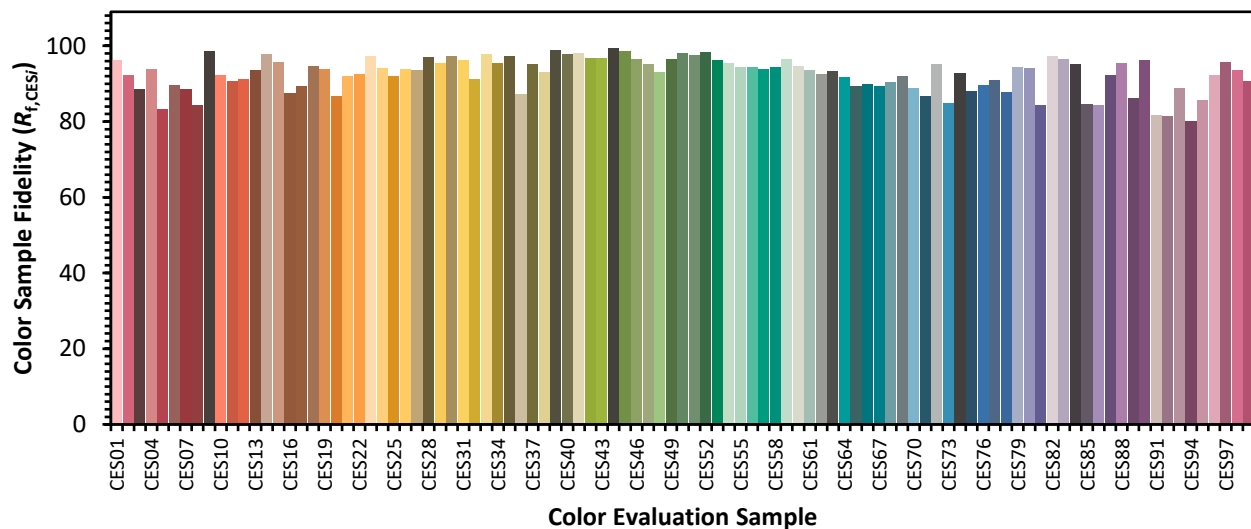


Color Vector Graphics

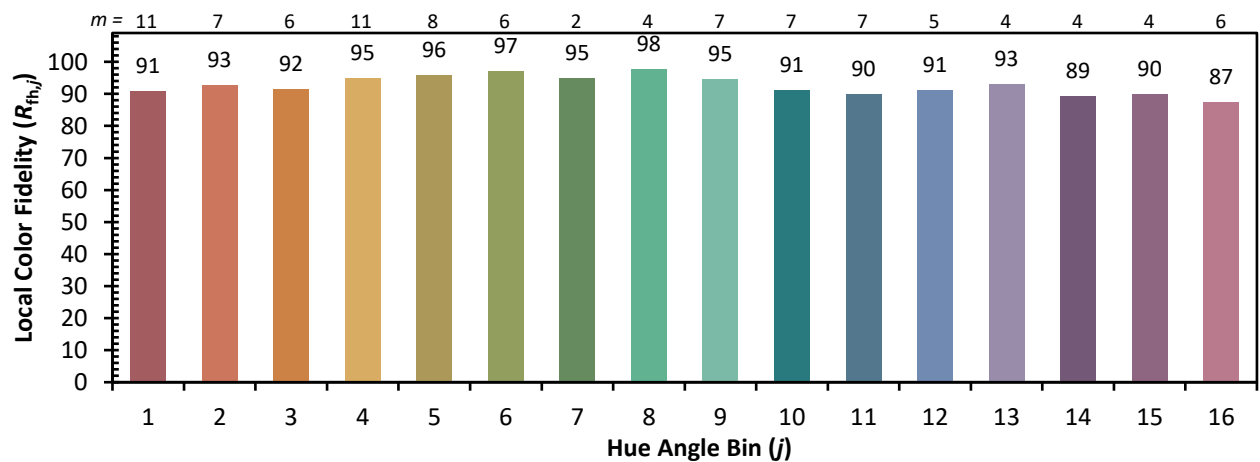
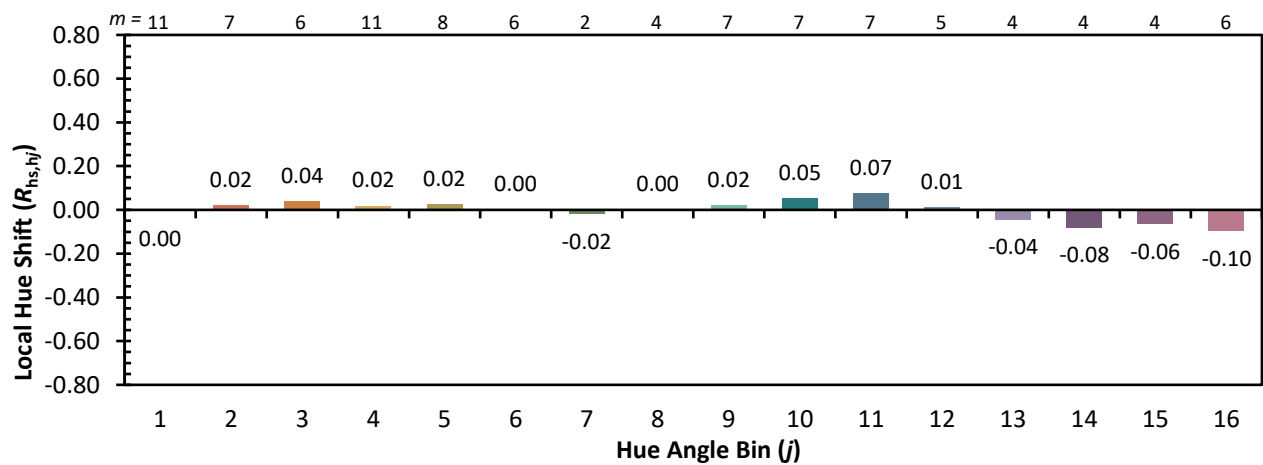
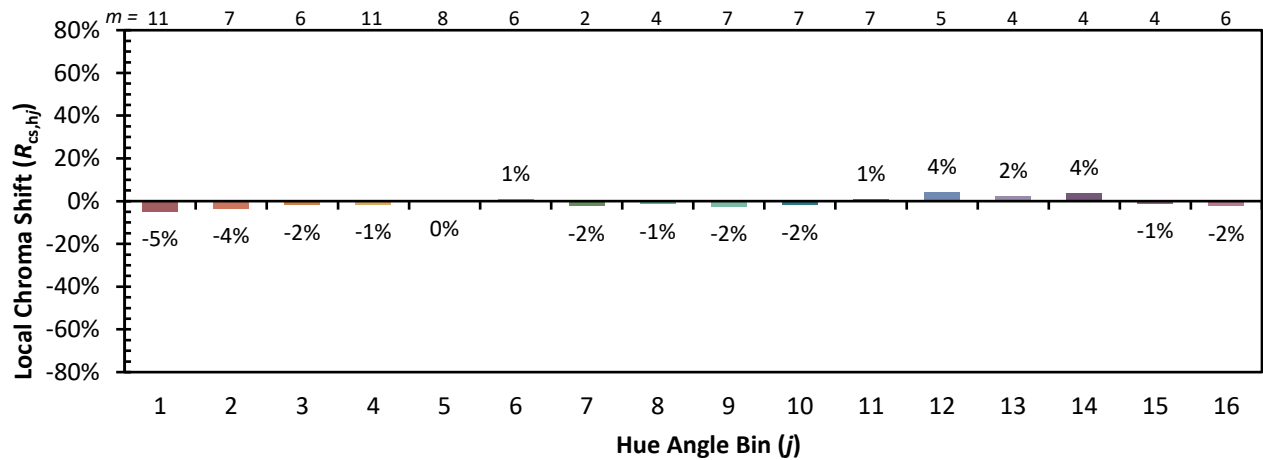


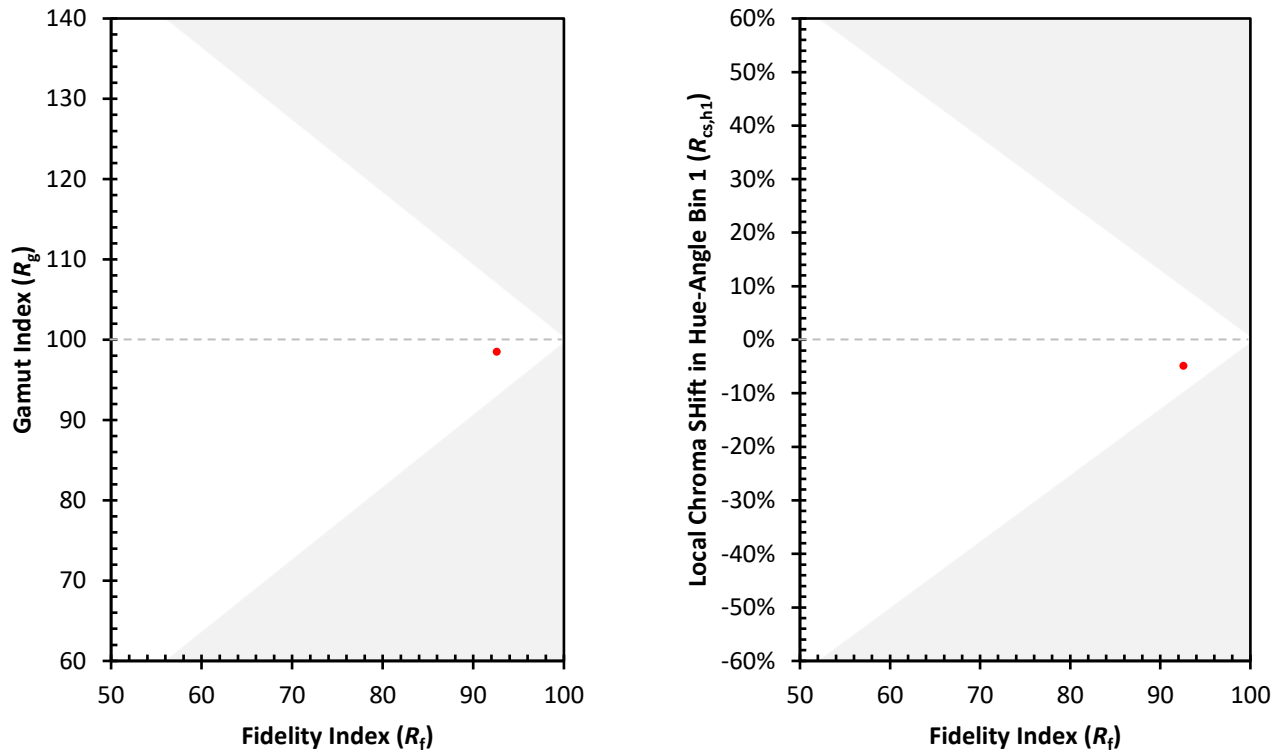
Individual Sample Fidelity Index ($R_{f,i}$)

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)