

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: P1047498

Luminaire Tested: **GALN-SA5B-930-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047498
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-930-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16133 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

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

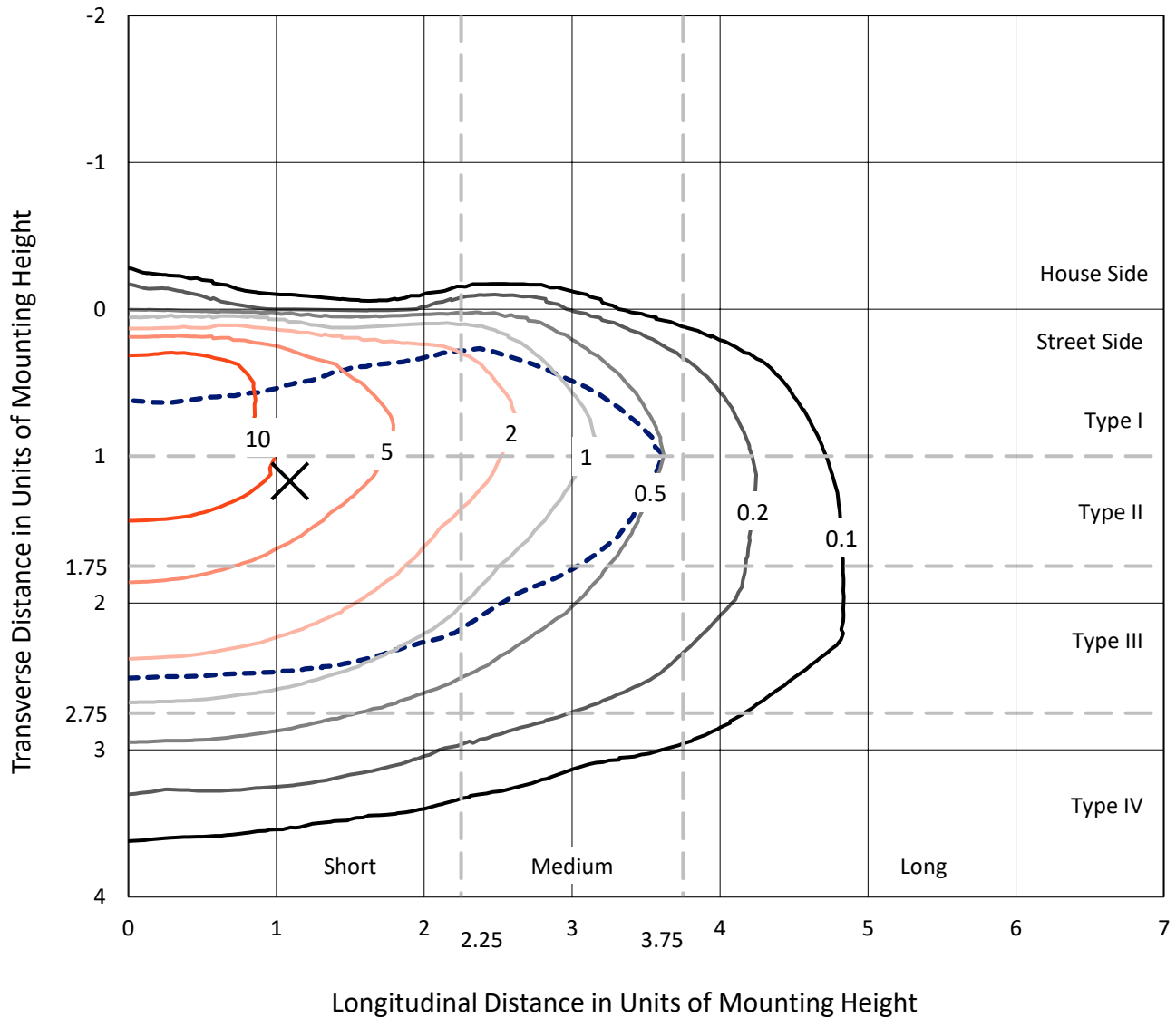


REPORT NUMBER: P1047498

CATALOG NUMBER: GALN-SA5B-930-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

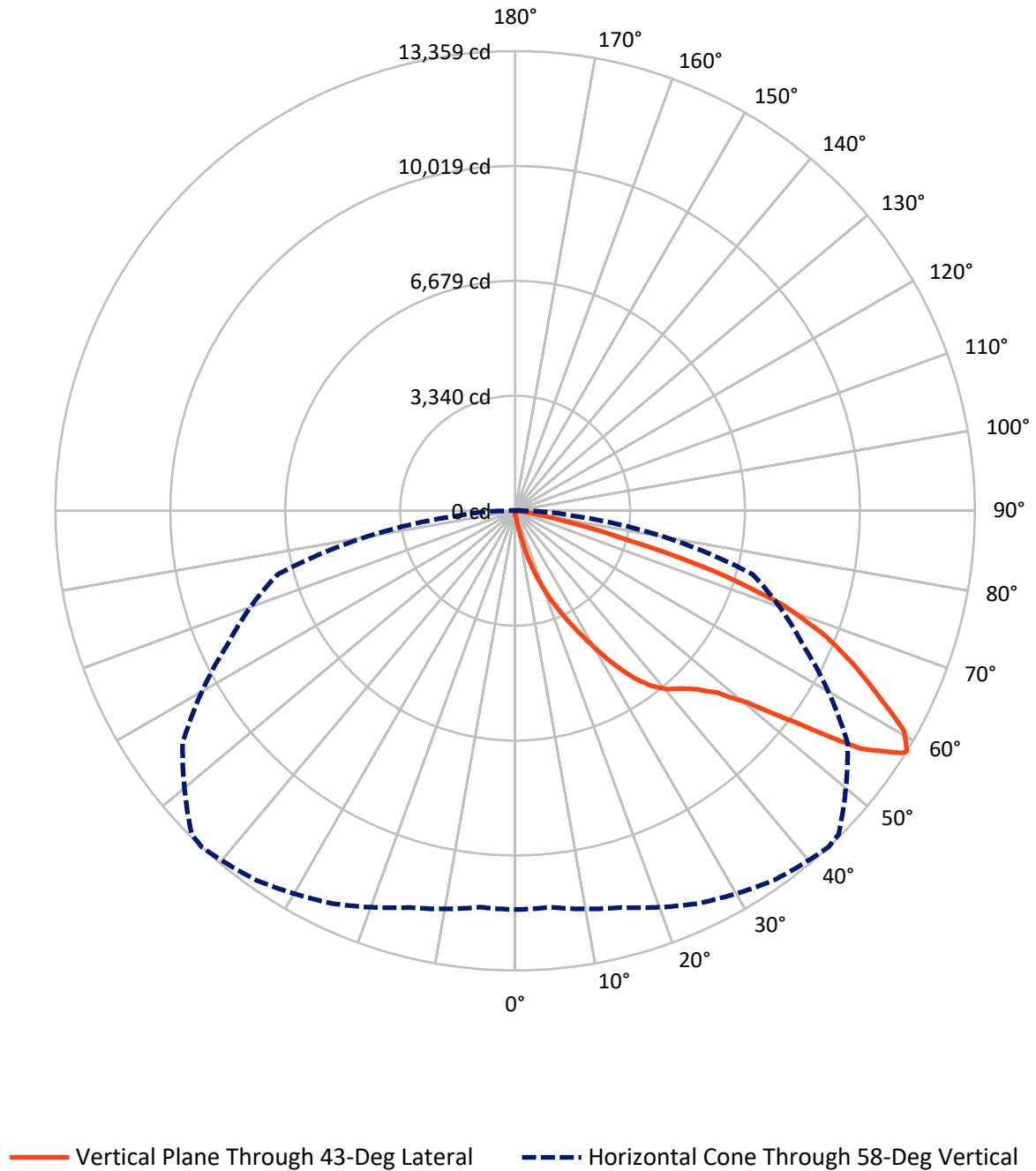


Based on 15 foot mounting height. Maximum calculated value = 18.1 fc
Type III - Short - N/A

REPORT NUMBER: P1047498

CATALOG NUMBER: GALN-SA5B-930-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1047498

CATALOG NUMBER: GALN-SA5B-930-U-T3BC

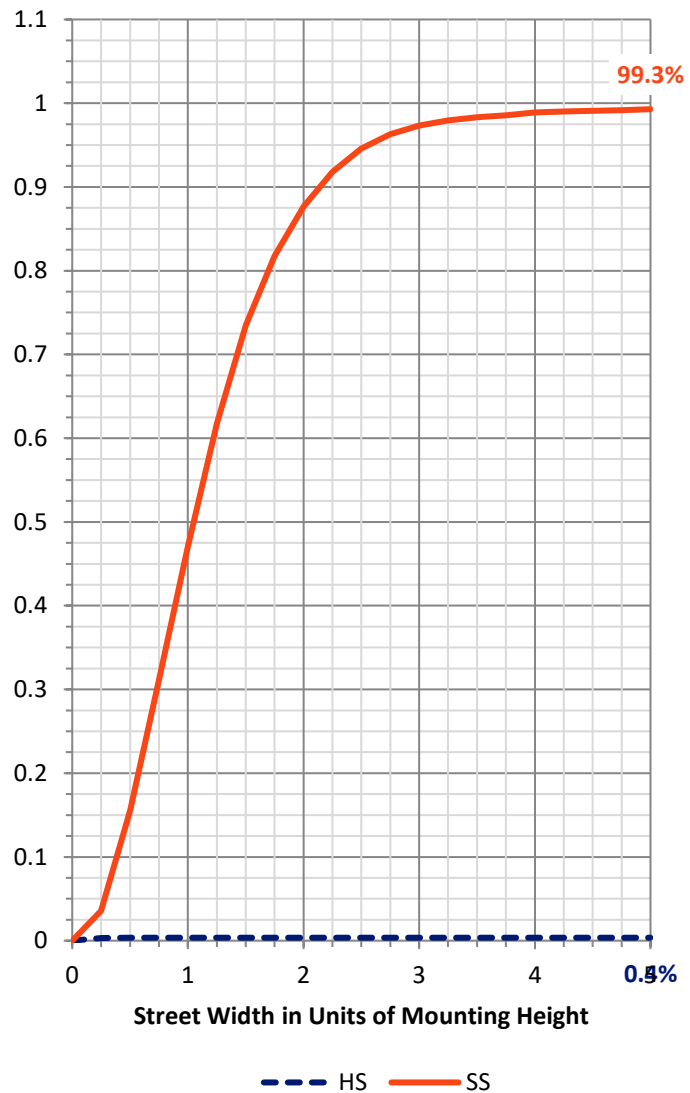
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	58.9	0.0	58.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16074.1	0.0	16074.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	16133.0	0.0	16133.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.1
10°-20°	185.4	1.1
20°-30°	668.4	4.1
30°-40°	1529.3	9.5
40°-50°	2579.3	16.0
50°-60°	4256.5	26.4
60°-70°	4757.3	29.5
70°-80°	1964.2	12.2
80°-90°	177.1	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°	16133.0	100.0
0°-180°	16133.0	100.0



REPORT NUMBER: P1047498

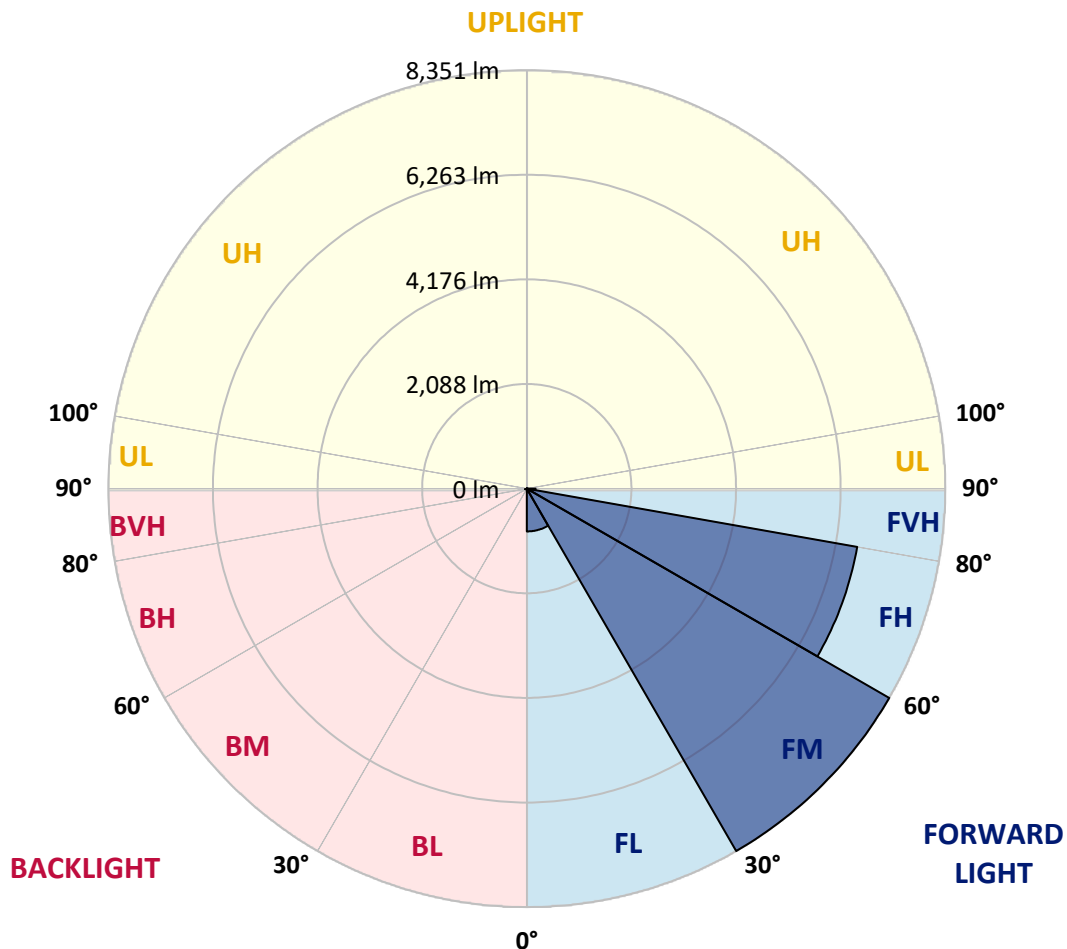
CATALOG NUMBER: GALN-SA5B-930-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	853.9	5.3			
FM	(30°-60°)	8351.1	51.8			
FH	(60°-80°)	6694.4	41.5			G3/7500
FVH	(80°-90°)	174.6	1.1			G2/225
BL	(0°-30°)	15.4	0.1	B0/110		
BM	(30°-60°)	14.1	0.1	B0/220		
BH	(60°-80°)	27.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.4	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-G3

Type III Short



REPORT NUMBER: P1047498

CATALOG NUMBER: GALN-SA5B-930-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5
2.5°	126.6	130.8	126.6	126.6	126.6	122.4	122.4	118.1	118.1	113.9	109.7
5°	185.7	185.7	173.0	164.6	156.1	151.9	147.7	139.2	130.8	122.4	113.9
7.5°	413.5	413.5	375.5	324.9	257.4	219.4	211.0	173.0	147.7	130.8	113.9
10°	987.3	987.3	903.0	763.7	590.7	438.8	392.4	248.9	177.2	139.2	118.1
12.5°	1641.4	1662.5	1557.0	1379.8	1122.4	856.5	763.7	455.7	236.3	151.9	118.1
15°	2227.9	2177.2	2147.7	1978.9	1734.2	1417.7	1299.6	767.9	341.8	173.0	118.1
17.5°	2624.5	2624.5	2582.3	2468.4	2244.7	1966.3	1869.2	1240.5	552.7	198.3	122.4
20°	3088.6	3088.6	3012.7	2932.5	2734.2	2497.9	2405.1	1763.7	856.5	253.2	122.4
22.5°	3649.8	3658.3	3573.9	3430.4	3240.5	2978.9	2898.8	2249.0	1240.5	337.6	126.6
25°	4333.4	4341.8	4219.4	4084.4	3793.3	3510.6	3388.2	2805.9	1708.9	472.6	126.6
27.5°	5088.6	5147.7	4966.3	4734.2	4426.2	4071.8	3978.9	3308.0	2173.0	666.7	135.0
30°	6029.6	6029.6	5789.1	5464.2	5130.8	4692.0	4573.9	3835.5	2666.7	924.1	143.5
32.5°	6839.7	6776.4	6468.4	6126.6	5772.2	5362.9	5236.3	4388.2	3173.0	1244.7	160.3
35°	7460.0	7405.1	7025.4	6658.3	6350.3	5974.7	5822.8	4987.4	3708.9	1607.6	185.7
37.5°	7991.6	7970.5	7455.8	6995.8	6793.3	6464.2	6329.2	5552.8	4236.3	2000.0	215.2
40°	8573.9	8506.4	7957.9	7388.2	7084.4	6818.6	6696.3	6008.5	4742.7	2459.9	257.4
42.5°	9071.8	8991.6	8498.0	7941.0	7422.0	7063.3	6945.2	6392.5	5236.3	2919.9	312.2
45°	9624.5	9582.4	9084.5	8662.5	7970.5	7396.7	7240.6	6700.5	5687.8	3468.4	384.0
47.5°	10455.8	10379.8	9915.7	9569.7	8768.0	7903.0	7679.4	7016.9	6122.4	4008.5	493.7
50°	11422.0	11371.4	11097.1	10822.9	10025.4	8768.0	8502.2	7472.6	6607.6	4649.8	637.1
52.5°	12211.1	12202.6	12236.4	12240.6	11637.2	10223.7	9827.1	8206.8	7164.6	5282.7	839.7
55°	12194.2	12232.2	12603.5	13029.6	13076.1	12211.1	11827.1	9443.1	7890.4	6063.3	1122.4
57.5°	11738.5	11709.0	12101.4	12742.7	13194.2	13287.0	13223.7	11363.0	8983.2	7004.3	1557.0
58°	11590.8	11565.5	11936.8	12590.8	13109.8	13358.8	13295.5	11797.6	9227.9	7139.3	1675.1
60°	11054.9	11059.2	11278.6	11873.5	12392.5	12983.2	13042.3	13038.1	10447.3	8042.3	2270.1
62.5°	10346.1	10312.3	10514.9	11000.1	11455.8	11852.4	11953.7	13122.5	12232.2	9189.9	3405.1
65°	9367.2	9316.5	9531.7	10080.2	10569.7	10827.1	10831.3	11991.7	13071.8	10422.0	5025.4
67.5°	7548.6	7506.4	7936.8	8641.4	9396.7	9734.3	9886.2	10405.1	12363.0	11257.5	5953.6
70°	4624.5	4713.1	5312.3	6417.8	7708.9	8329.2	8557.0	8717.4	10527.5	11130.9	4978.9
72.5°	2135.0	2029.6	2540.1	3312.3	4784.8	6164.6	6400.9	7029.6	8346.1	9662.5	3713.1
75°	995.8	957.8	1076.0	1447.3	2168.8	3329.1	3759.5	5611.9	6400.9	6721.6	2679.3
77.5°	510.6	514.8	611.8	658.2	894.5	1540.1	1767.9	3692.0	4692.0	3751.1	1797.5
80°	223.6	232.1	236.3	257.4	362.9	594.9	670.9	1713.1	3206.8	1911.4	983.1
82.5°	143.5	147.7	147.7	147.7	173.0	236.3	270.0	687.8	1599.2	949.4	303.8
85°	75.9	75.9	84.4	105.5	122.4	143.5	151.9	219.4	527.4	282.7	71.7
87.5°	42.2	46.4	50.6	63.3	80.2	97.0	105.5	151.9	202.5	194.1	16.9
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: P1047498

CATALOG NUMBER: GALN-SA5B-930-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5
2.5°	109.7	105.5	101.3	97.0	92.8	88.6	88.6	88.6	88.6	88.6	88.6
5°	105.5	101.3	97.0	88.6	80.2	75.9	71.7	67.5	67.5	67.5	67.5
7.5°	105.5	101.3	88.6	80.2	71.7	63.3	54.9	54.9	54.9	54.9	54.9
10°	105.5	97.0	84.4	71.7	59.1	50.6	46.4	42.2	42.2	42.2	42.2
12.5°	105.5	92.8	80.2	63.3	50.6	42.2	38.0	33.8	33.8	33.8	33.8
15°	105.5	92.8	75.9	59.1	46.4	33.8	29.5	25.3	25.3	25.3	25.3
17.5°	101.3	88.6	71.7	50.6	38.0	25.3	21.1	16.9	16.9	21.1	21.1
20°	97.0	84.4	63.3	42.2	29.5	21.1	12.7	12.7	12.7	12.7	12.7
22.5°	97.0	84.4	59.1	38.0	25.3	12.7	8.4	8.4	8.4	8.4	12.7
25°	97.0	80.2	50.6	29.5	16.9	8.4	4.2	4.2	4.2	4.2	4.2
27.5°	97.0	80.2	46.4	25.3	12.7	8.4	4.2	0.0	0.0	0.0	0.0
30°	92.8	75.9	42.2	21.1	8.4	4.2	0.0	0.0	0.0	0.0	0.0
32.5°	92.8	71.7	33.8	16.9	8.4	4.2	0.0	0.0	0.0	0.0	0.0
35°	97.0	67.5	29.5	12.7	4.2	0.0	0.0	0.0	0.0	0.0	4.2
37.5°	101.3	63.3	25.3	8.4	4.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	105.5	59.1	25.3	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	113.9	59.1	21.1	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	122.4	59.1	16.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	139.2	63.3	16.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	151.9	67.5	12.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	168.8	63.3	12.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	189.9	63.3	12.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	206.8	59.1	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	215.2	54.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	257.4	50.6	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	400.8	42.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	814.4	38.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1519.0	33.8	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1700.4	38.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1071.7	29.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	565.4	29.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	282.7	29.5	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	130.8	21.1	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	54.9	12.7	8.4	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.3	12.7	8.4	8.4	4.2	4.2	0.0	0.0	0.0	0.0	0.0
87.5°	12.7	12.7	12.7	8.4	8.4	4.2	4.2	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

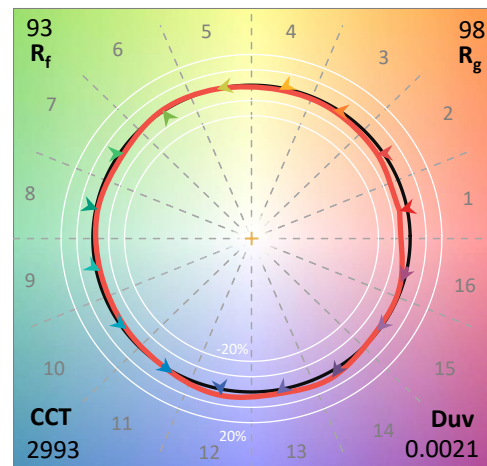
Test Information

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

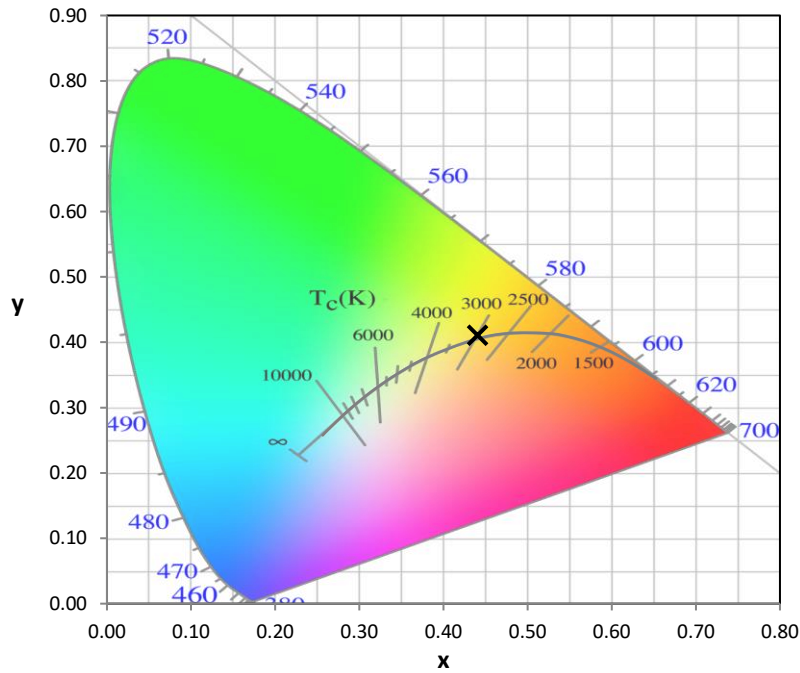
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

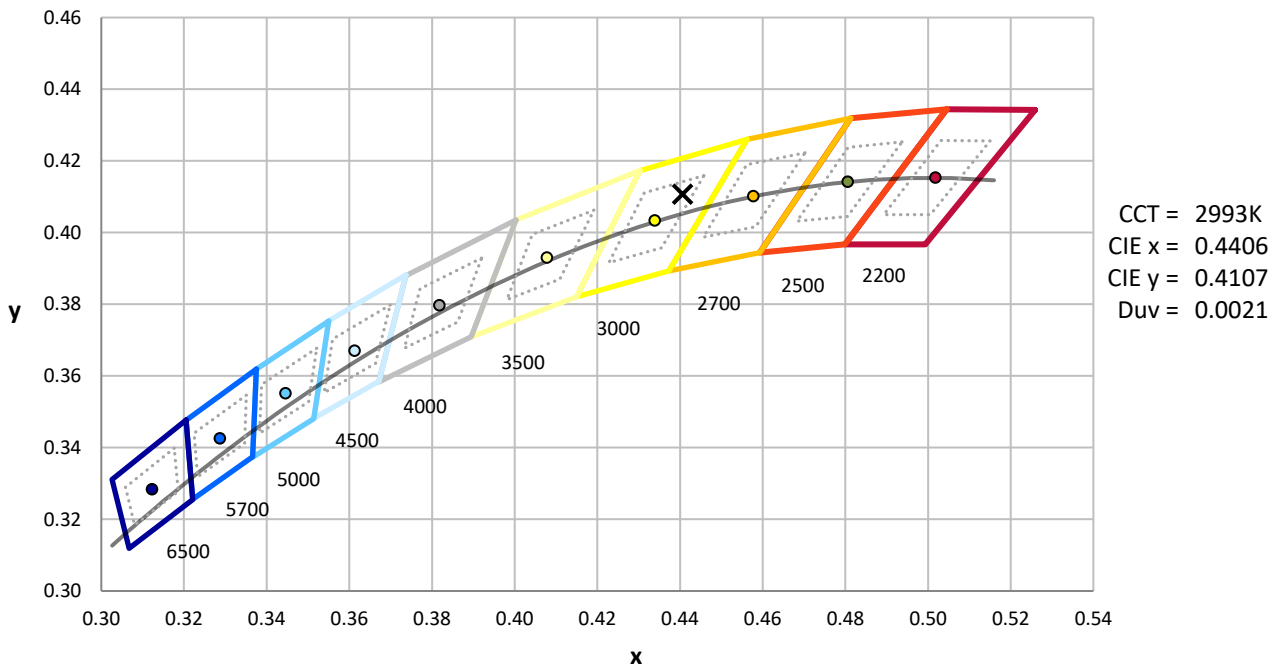
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



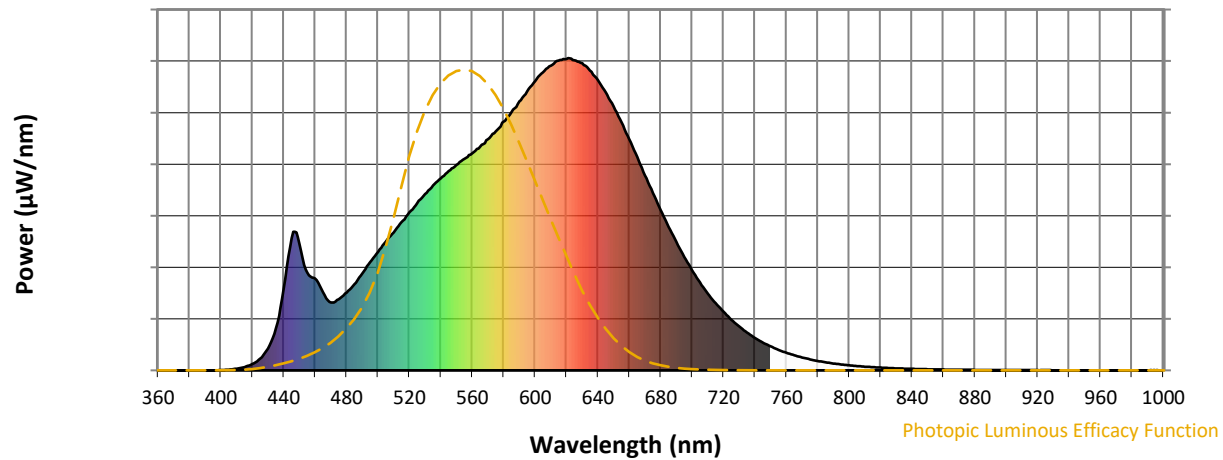
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-14

Photopic Flux vs. Wavelength

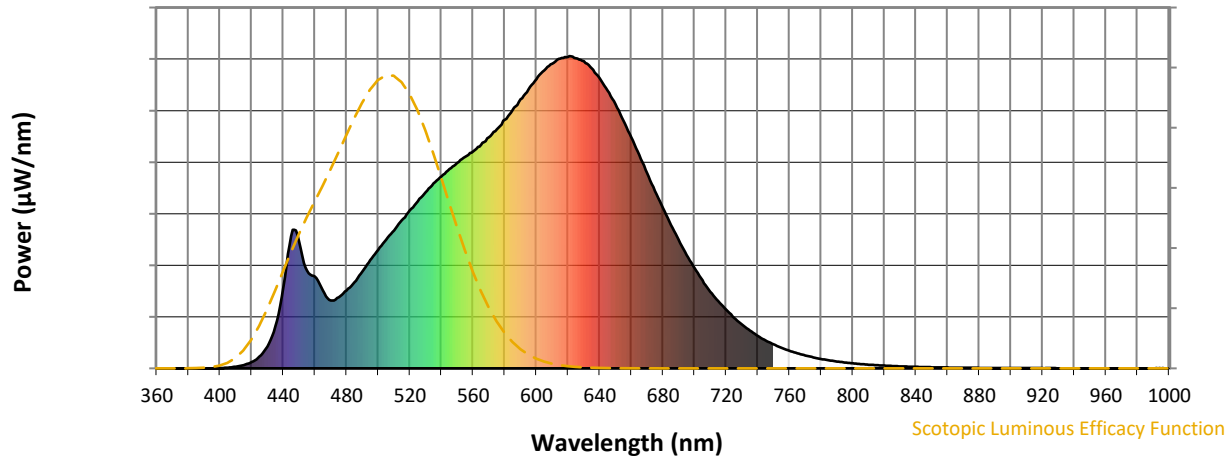


Photopic Lumens: NR

λ (nm)	Power 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

Scotopic Flux vs. Wavelength



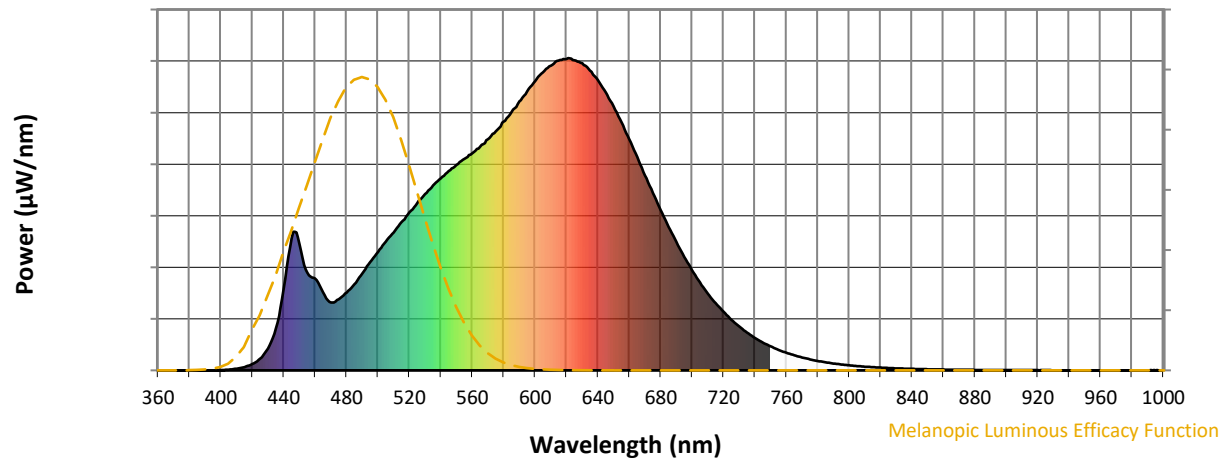
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-14

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

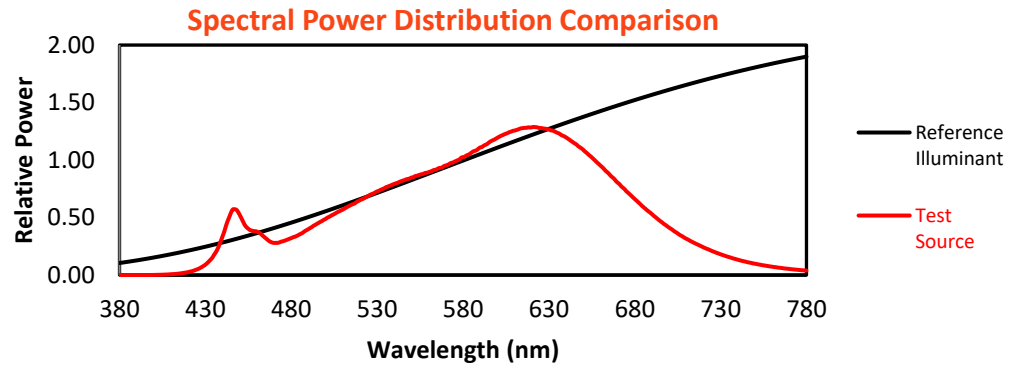
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310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

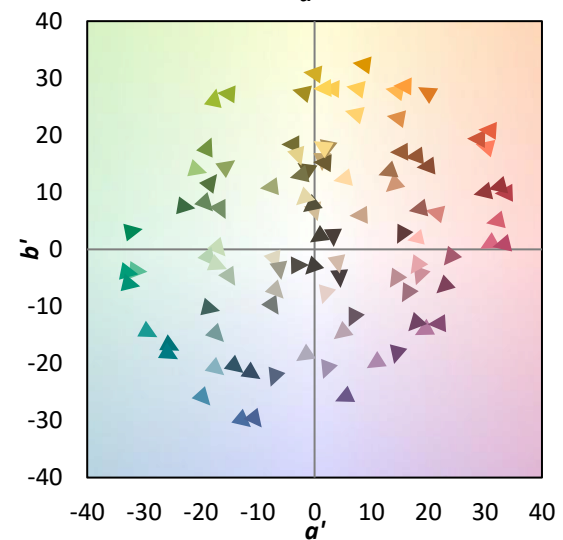
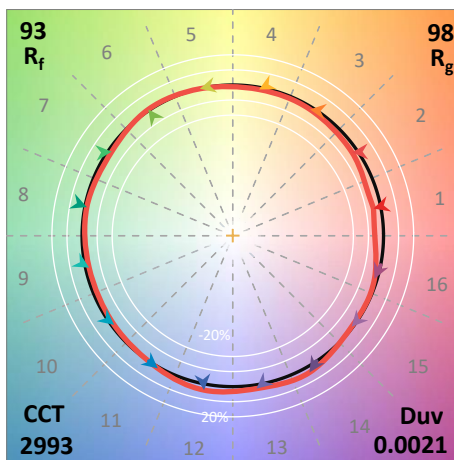
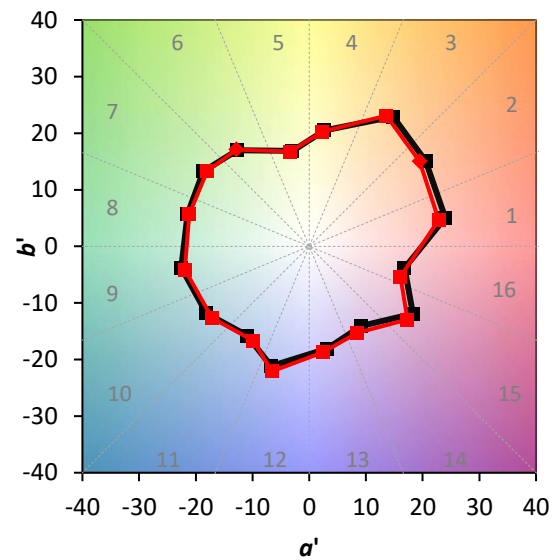
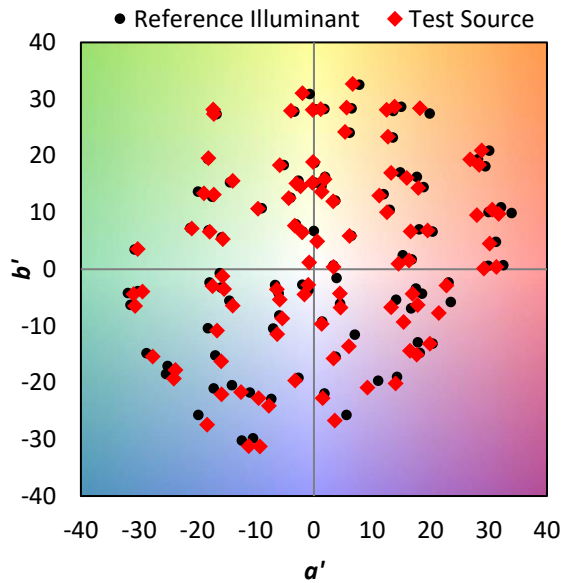
TM-30-18

Summary

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

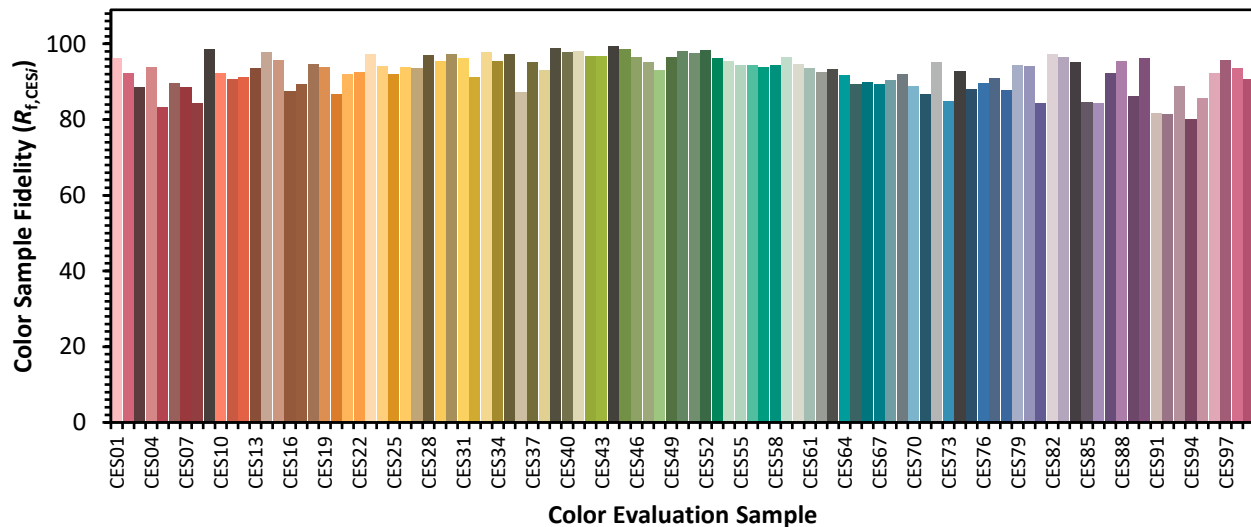


Color Vector Graphics

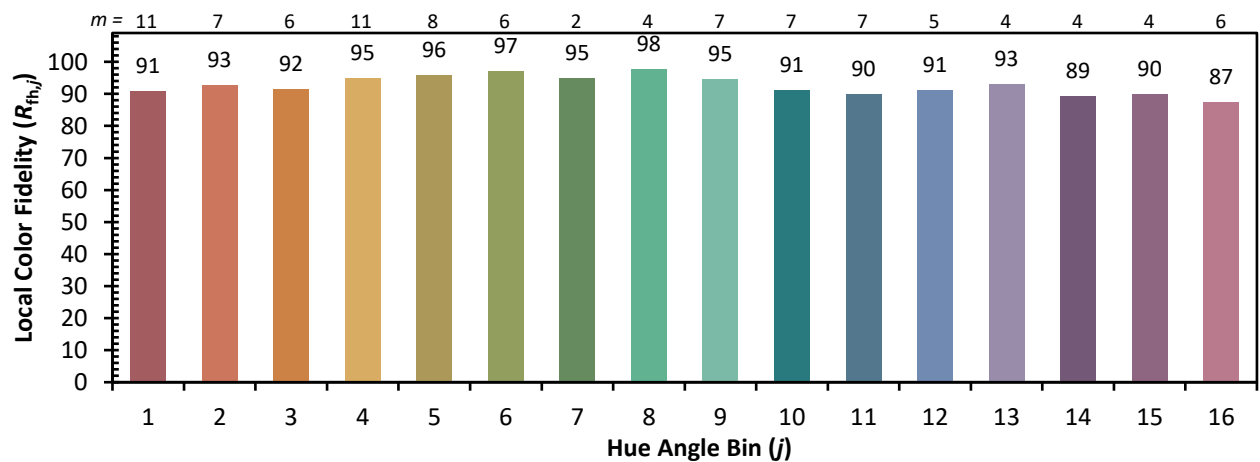
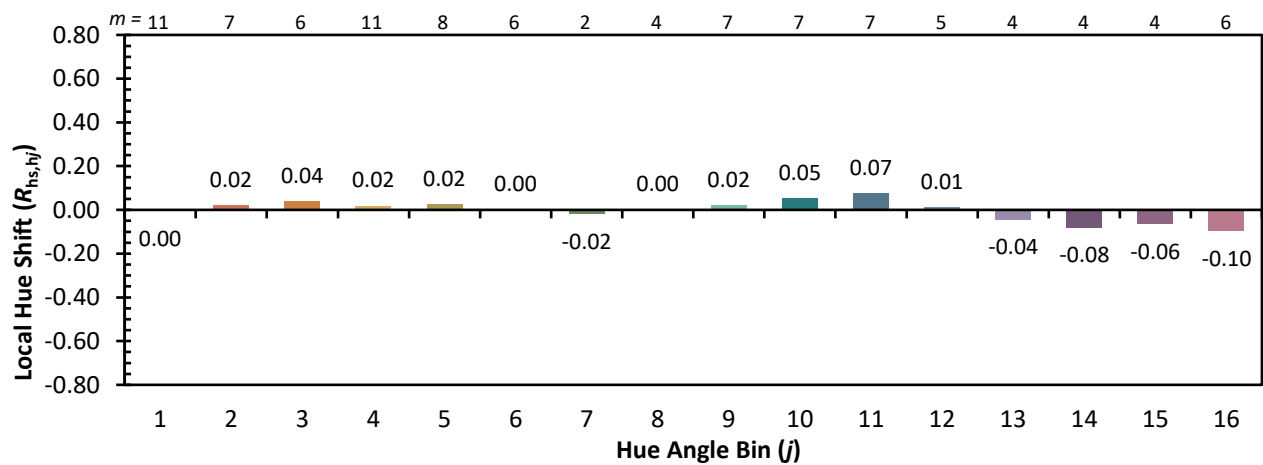
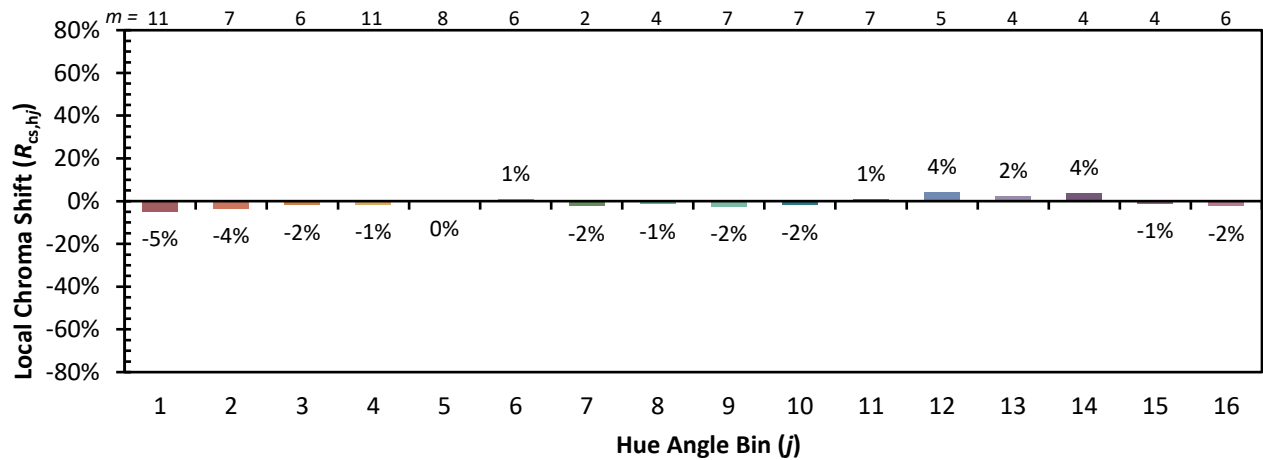


Individual Sample Fidelity Index ($R_{f,i}$)

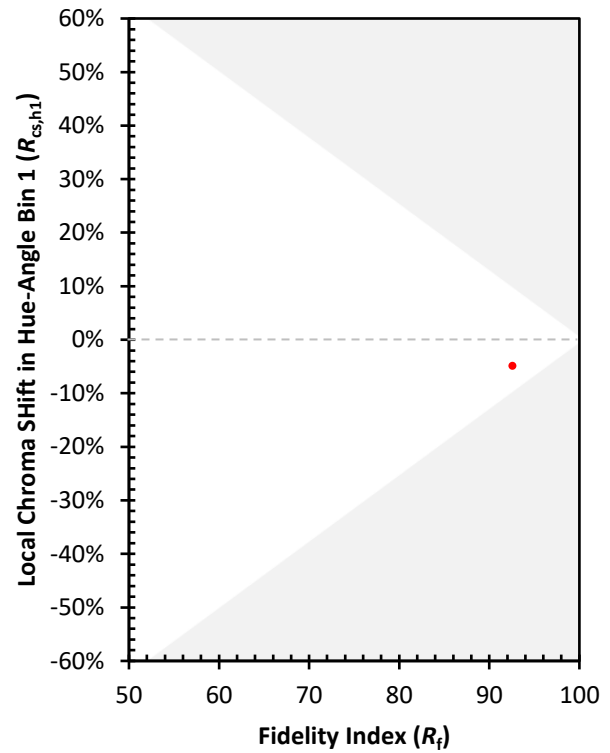
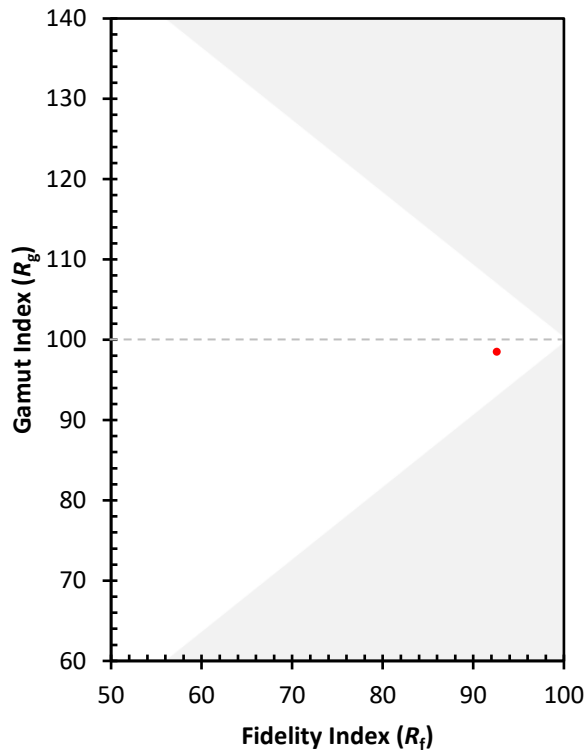
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 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)