

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: P1047497

Luminaire Tested: **GALN-SA5A-930-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047497
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-930-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 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: 12885.5 lumens
Efficiency: N/A
Efficacy: 94.3 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): 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

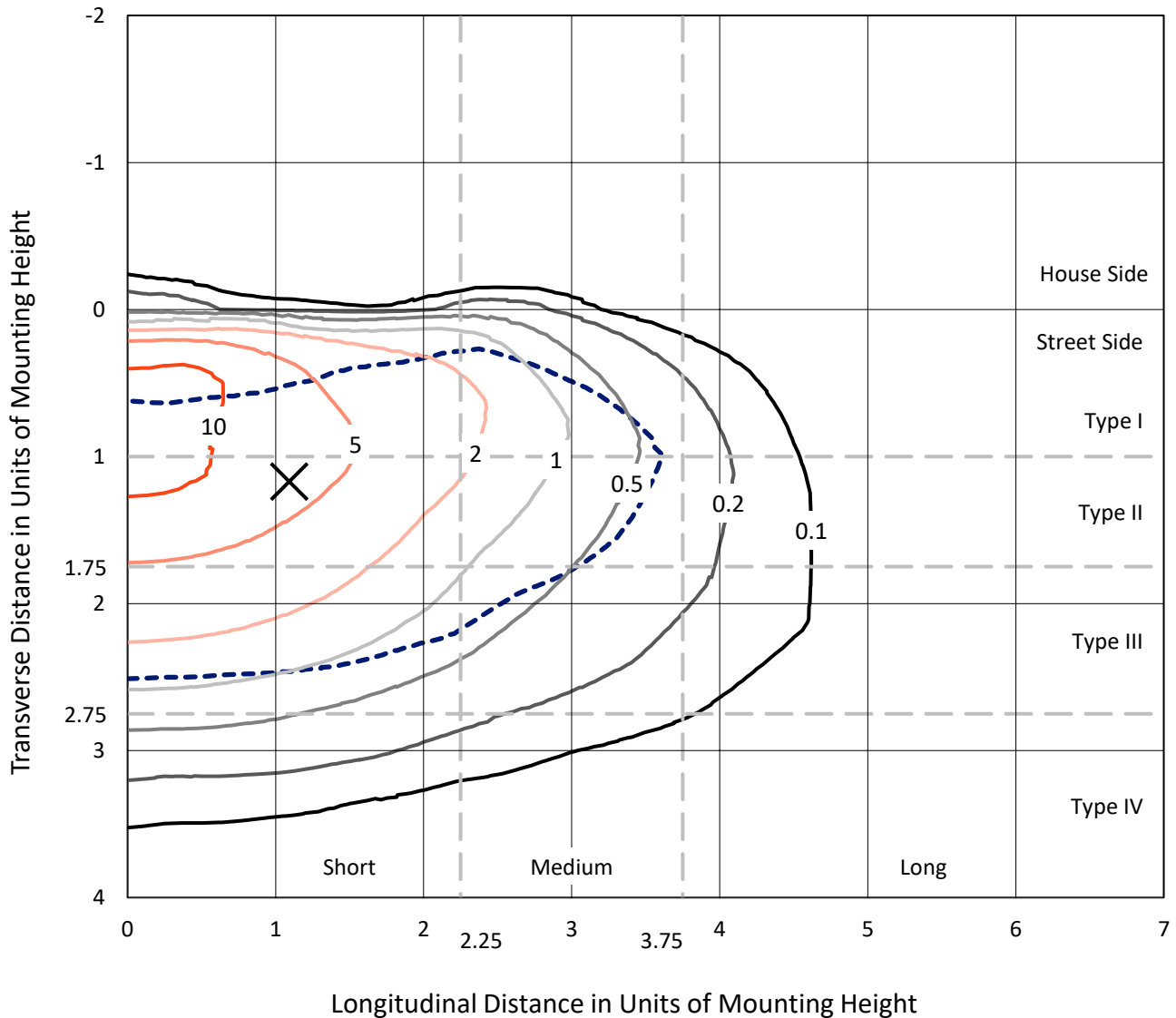


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

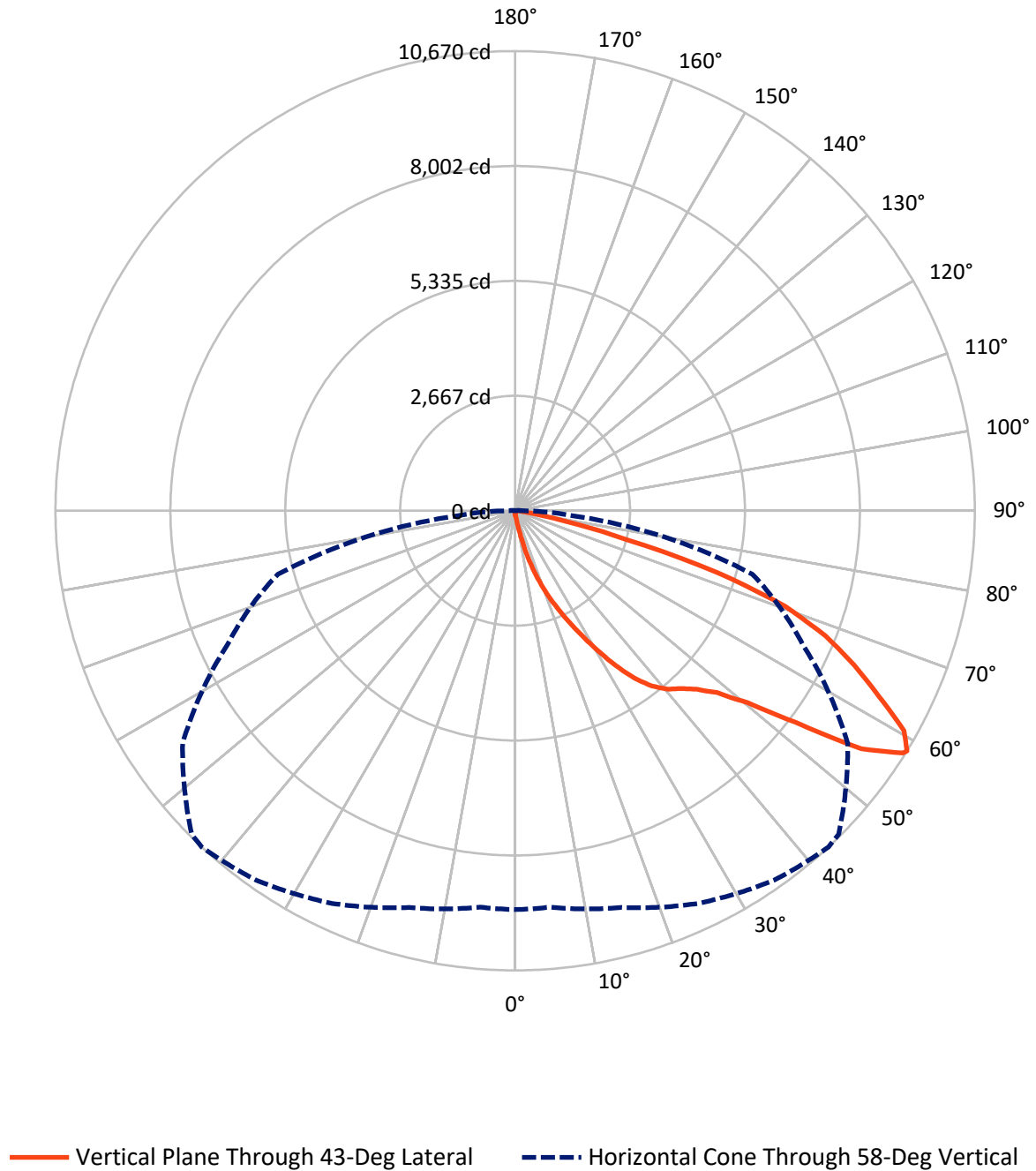


Based on 15 foot mounting height. Maximum calculated value = 14.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	47.0	0.0	47.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12838.5	0.0	12838.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	12885.5	0.0	12885.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.1
10°-20°	148.1	1.1
20°-30°	533.9	4.1
30°-40°	1221.5	9.5
40°-50°	2060.1	16.0
50°-60°	3399.7	26.4
60°-70°	3799.6	29.5
70°-80°	1568.8	12.2
80°-90°	141.4	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°	12885.5	100.0
0°-180°	12885.5	100.0



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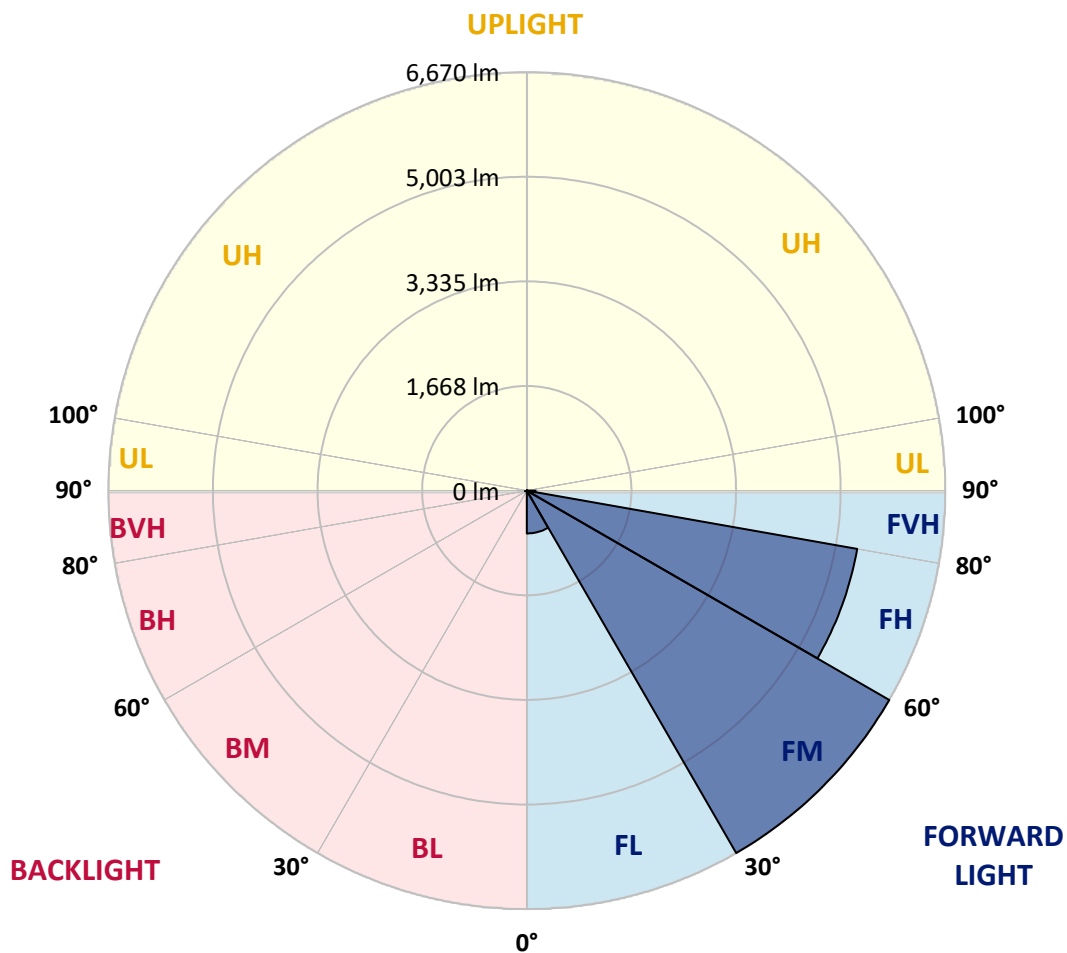
CATALOG NUMBER: GALN-SA5A-930-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	682.1	5.3			
FM	(30°-60°)	6670.0	51.8			
FH	(60°-80°)	5346.9	41.5			G3/7500
FVH	(80°-90°)	139.5	1.1			G2/225
BL	(0°-30°)	12.3	0.1	B0/110		
BM	(30°-60°)	11.3	0.1	B0/220		
BH	(60°-80°)	21.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
2.5°	101.1	104.5	101.1	101.1	101.1	97.7	97.7	94.4	94.4	91.0	87.6
5°	148.3	148.3	138.2	131.4	124.7	121.3	118.0	111.2	104.5	97.7	91.0
7.5°	330.3	330.3	299.9	259.5	205.6	175.2	168.5	138.2	118.0	104.5	91.0
10°	788.6	788.6	721.2	610.0	471.8	350.5	313.4	198.8	141.5	111.2	94.4
12.5°	1311.0	1327.8	1243.6	1102.0	896.4	684.1	610.0	364.0	188.7	121.3	94.4
15°	1779.4	1739.0	1715.4	1580.6	1385.1	1132.4	1038.0	613.4	273.0	138.2	94.4
17.5°	2096.2	2096.2	2062.5	1971.5	1792.9	1570.5	1493.0	990.8	441.5	158.4	97.7
20°	2466.9	2466.9	2406.2	2342.2	2183.8	1995.1	1921.0	1408.7	684.1	202.2	97.7
22.5°	2915.1	2921.9	2854.5	2739.9	2588.2	2379.3	2315.3	1796.3	990.8	269.6	101.1
25°	3461.1	3467.8	3370.1	3262.3	3029.7	2803.9	2706.2	2241.1	1364.9	377.5	101.1
27.5°	4064.3	4111.5	3966.6	3781.2	3535.2	3252.1	3178.0	2642.2	1735.6	532.5	107.8
30°	4815.9	4815.9	4623.8	4364.3	4098.0	3747.5	3653.2	3063.4	2129.9	738.1	114.6
32.5°	5462.9	5412.4	5166.4	4893.4	4610.3	4283.4	4182.3	3504.9	2534.3	994.2	128.1
35°	5958.3	5914.5	5611.2	5318.0	5072.0	4772.1	4650.7	3983.5	2962.3	1284.0	148.3
37.5°	6383.0	6366.1	5955.0	5587.6	5425.9	5163.0	5055.1	4435.0	3383.6	1597.4	171.9
40°	6848.0	6794.1	6356.0	5901.0	5658.4	5446.1	5348.3	4799.0	3788.0	1964.8	205.6
42.5°	7245.7	7181.7	6787.4	6342.5	5928.0	5641.5	5547.2	5105.7	4182.3	2332.1	249.4
45°	7687.2	7653.5	7255.8	6918.8	6366.1	5907.8	5783.1	5351.7	4542.9	2770.2	306.7
47.5°	8351.1	8290.4	7919.7	7643.4	7003.1	6312.2	6133.6	5604.5	4890.0	3201.6	394.3
50°	9122.8	9082.4	8863.4	8644.3	8007.3	7003.1	6790.7	5968.4	5277.6	3713.8	508.9
52.5°	9753.1	9746.3	9773.3	9776.6	9294.7	8165.7	7849.0	6554.8	5722.4	4219.4	670.6
55°	9739.6	9769.9	10066.5	10406.9	10443.9	9753.1	9446.4	7542.3	6302.1	4842.8	896.4
57.5°	9375.6	9352.0	9665.4	10177.7	10538.3	10612.4	10561.9	9075.7	7174.9	5594.4	1243.6
58°	9257.7	9237.4	9534.0	10056.4	10470.9	10669.7	10619.2	9422.8	7370.4	5702.2	1337.9
60°	8829.6	8833.0	9008.3	9483.4	9898.0	10369.8	10417.0	10413.6	8344.4	6423.4	1813.1
62.5°	8263.5	8236.5	8398.3	8785.8	9149.8	9466.6	9547.5	10481.0	9769.9	7340.1	2719.7
65°	7481.6	7441.2	7613.0	8051.2	8442.1	8647.7	8651.0	9577.8	10440.6	8324.1	4013.8
67.5°	6029.1	5995.4	6339.1	6902.0	7505.2	7774.8	7896.1	8310.7	9874.4	8991.4	4755.2
70°	3693.6	3764.4	4243.0	5125.9	6157.2	6652.6	6834.6	6962.6	8408.4	8890.3	3976.7
72.5°	1705.3	1621.0	2028.8	2645.5	3821.7	4923.7	5112.4	5614.6	6666.0	7717.5	2965.7
75°	795.3	765.0	859.4	1155.9	1732.2	2659.0	3002.8	4482.2	5112.4	5368.6	2140.0
77.5°	407.8	411.2	488.7	525.7	714.5	1230.1	1412.1	2948.8	3747.5	2996.0	1435.7
80°	178.6	185.4	188.7	205.6	289.8	475.2	535.8	1368.3	2561.3	1526.7	785.2
82.5°	114.6	118.0	118.0	118.0	138.2	188.7	215.7	549.3	1277.3	758.3	242.6
85°	60.7	60.7	67.4	84.3	97.7	114.6	121.3	175.2	421.3	225.8	57.3
87.5°	33.7	37.1	40.4	50.6	64.0	77.5	84.3	121.3	161.8	155.0	13.5
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-930-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
2.5°	87.6	84.3	80.9	77.5	74.1	70.8	70.8	70.8	70.8	70.8	70.8
5°	84.3	80.9	77.5	70.8	64.0	60.7	57.3	53.9	53.9	53.9	53.9
7.5°	84.3	80.9	70.8	64.0	57.3	50.6	43.8	43.8	43.8	43.8	43.8
10°	84.3	77.5	67.4	57.3	47.2	40.4	37.1	33.7	33.7	33.7	33.7
12.5°	84.3	74.1	64.0	50.6	40.4	33.7	30.3	27.0	27.0	27.0	27.0
15°	84.3	74.1	60.7	47.2	37.1	27.0	23.6	20.2	20.2	20.2	20.2
17.5°	80.9	70.8	57.3	40.4	30.3	20.2	16.9	13.5	13.5	16.9	16.9
20°	77.5	67.4	50.6	33.7	23.6	16.9	10.1	10.1	10.1	10.1	10.1
22.5°	77.5	67.4	47.2	30.3	20.2	10.1	6.7	6.7	6.7	6.7	10.1
25°	77.5	64.0	40.4	23.6	13.5	6.7	3.4	3.4	3.4	3.4	3.4
27.5°	77.5	64.0	37.1	20.2	10.1	6.7	3.4	0.0	0.0	0.0	0.0
30°	74.1	60.7	33.7	16.9	6.7	3.4	0.0	0.0	0.0	0.0	0.0
32.5°	74.1	57.3	27.0	13.5	6.7	3.4	0.0	0.0	0.0	0.0	0.0
35°	77.5	53.9	23.6	10.1	3.4	0.0	0.0	0.0	0.0	0.0	3.4
37.5°	80.9	50.6	20.2	6.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	84.3	47.2	20.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	91.0	47.2	16.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	97.7	47.2	13.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	111.2	50.6	13.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	121.3	53.9	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	134.8	50.6	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	151.7	50.6	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	165.1	47.2	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	171.9	43.8	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	205.6	40.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	320.2	33.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	650.4	30.3	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1213.2	27.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1358.1	30.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	856.0	23.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	451.6	23.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	225.8	23.6	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	104.5	16.9	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	43.8	10.1	6.7	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.2	10.1	6.7	6.7	3.4	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	10.1	10.1	10.1	6.7	6.7	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

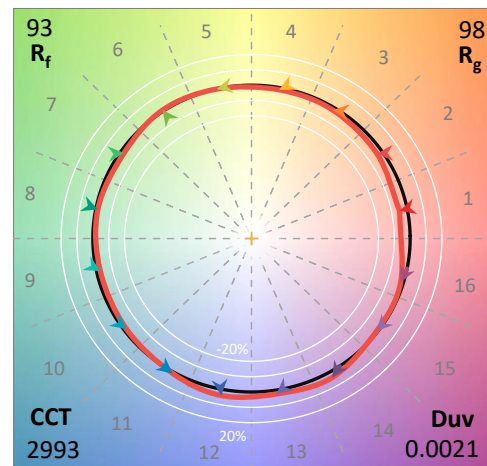
Test Information

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

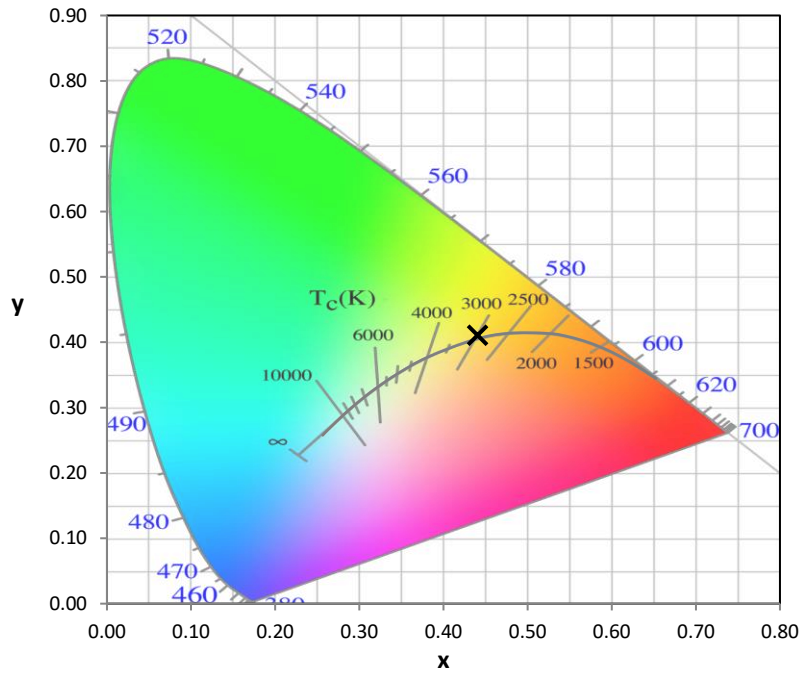
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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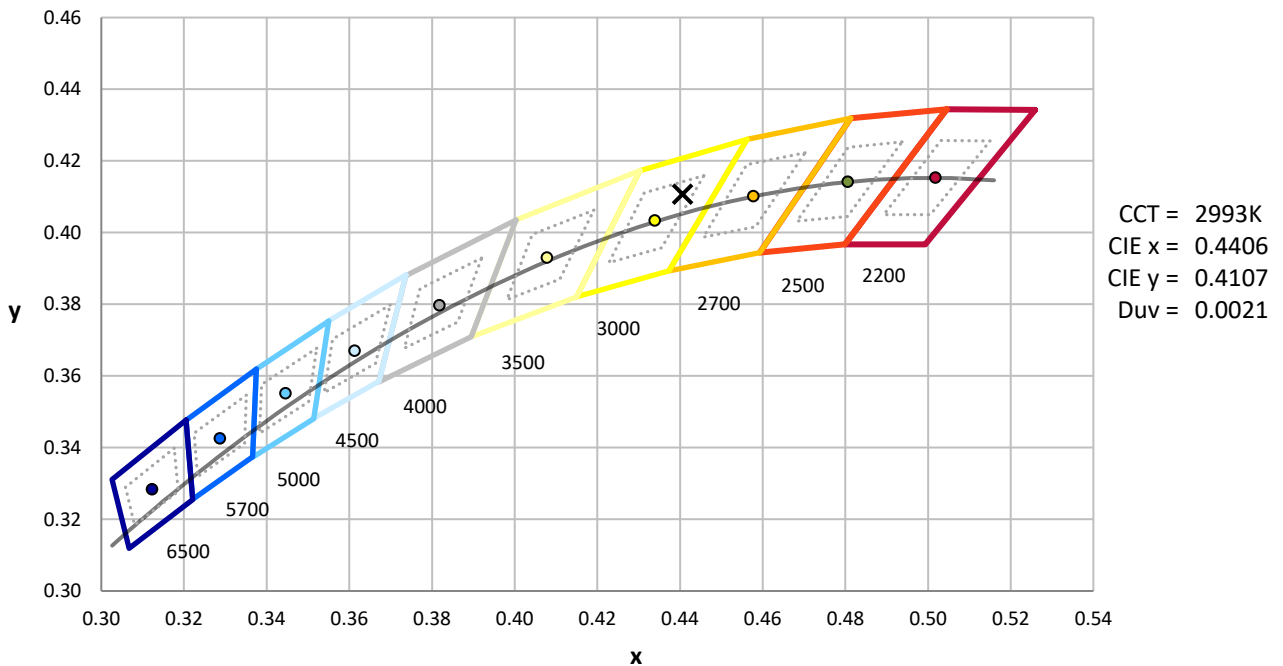
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

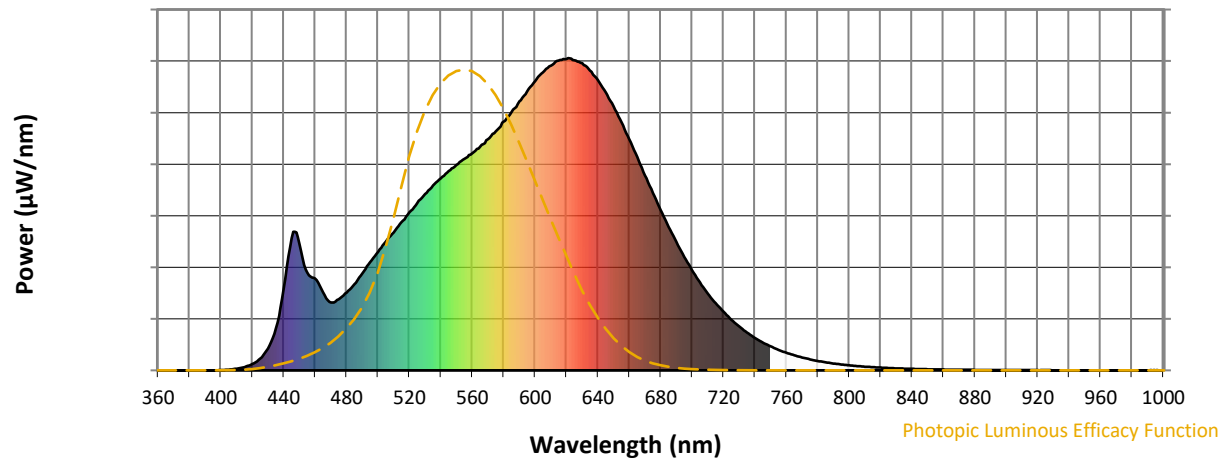


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

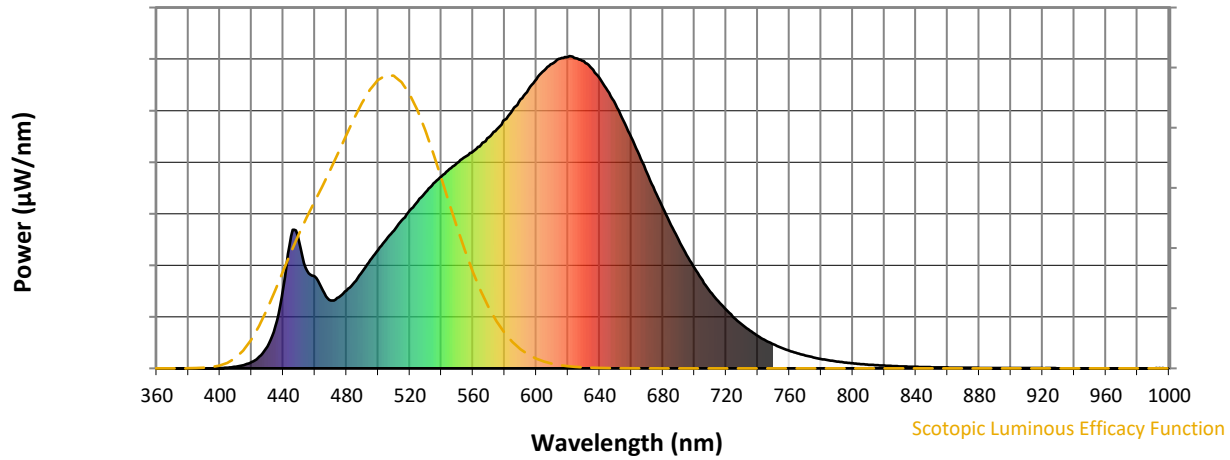
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Photopic Flux vs. Wavelength

Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Scotopic Flux vs. Wavelength



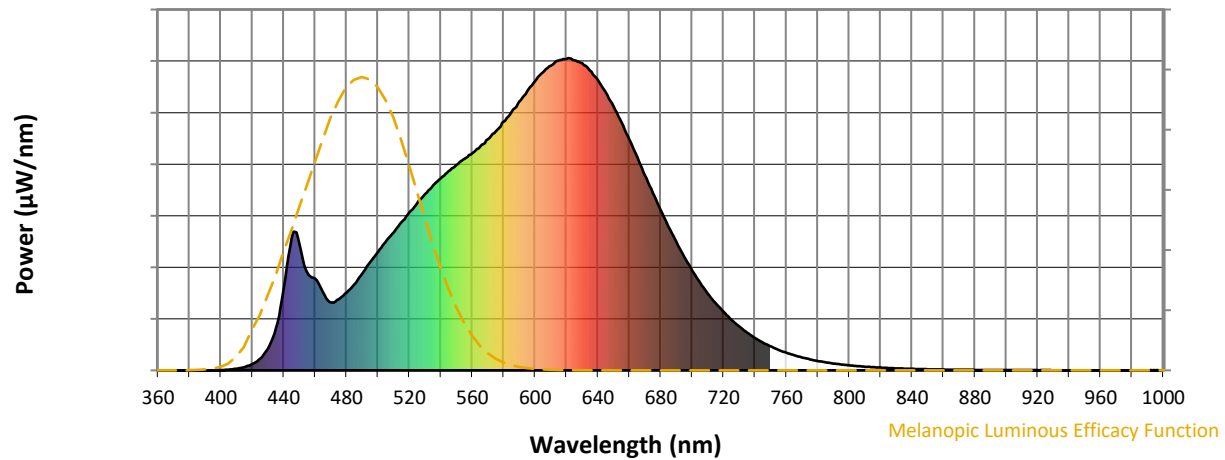
Scotopic Lumens: NR

S/P: 1.39

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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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

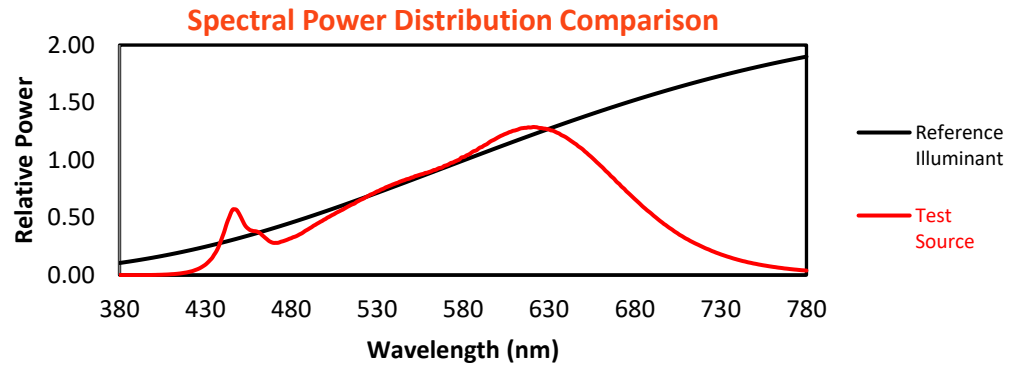
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	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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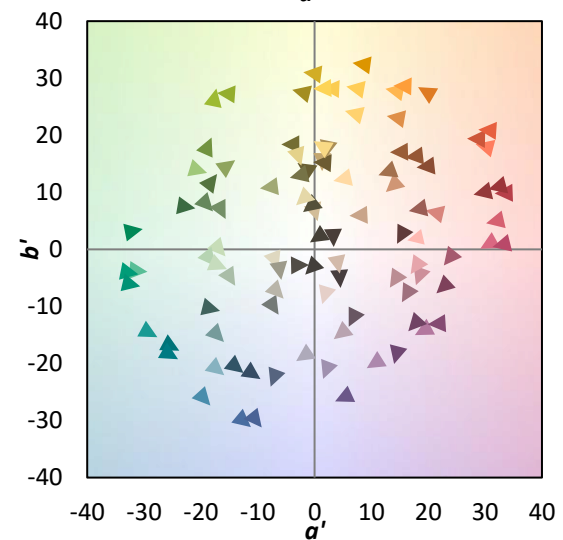
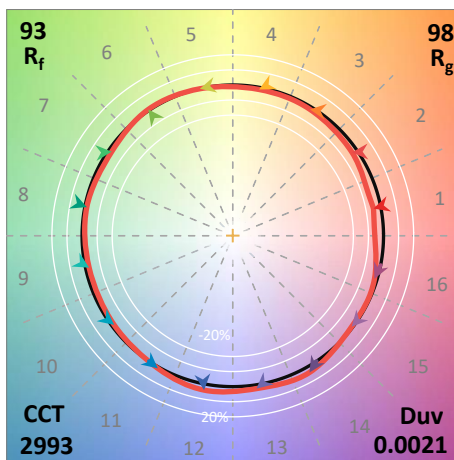
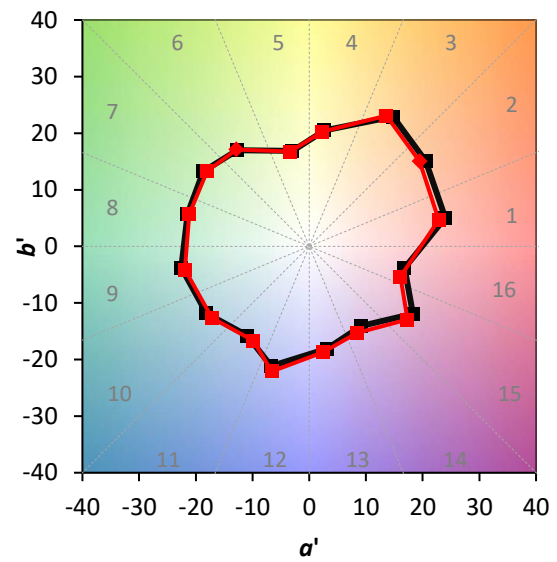
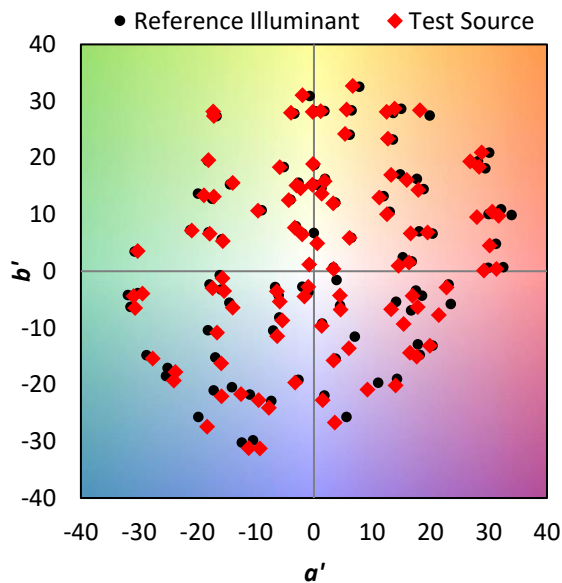
TM-30-18

Summary

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

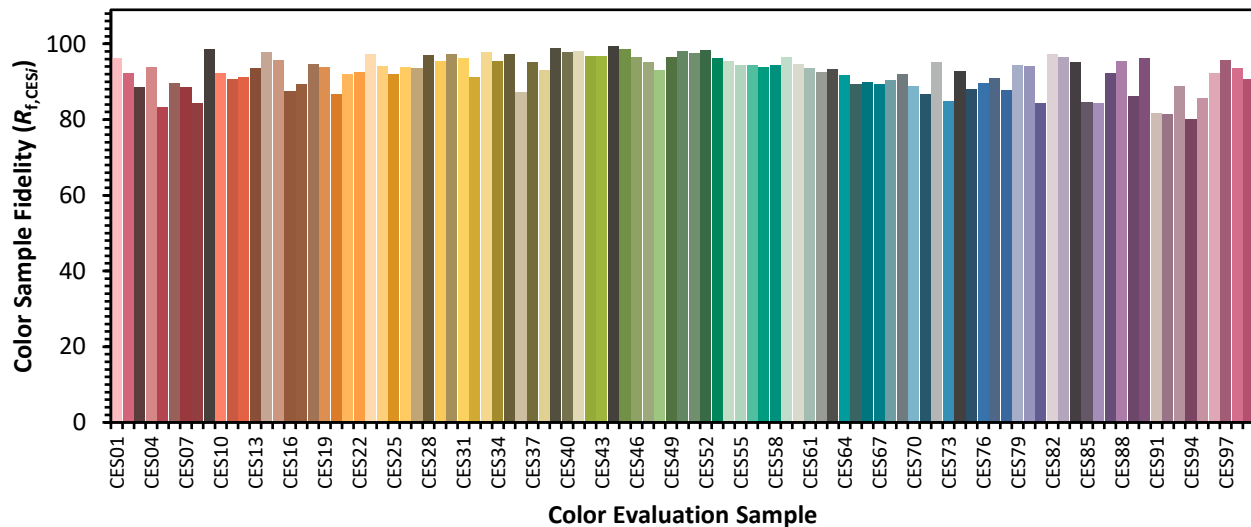


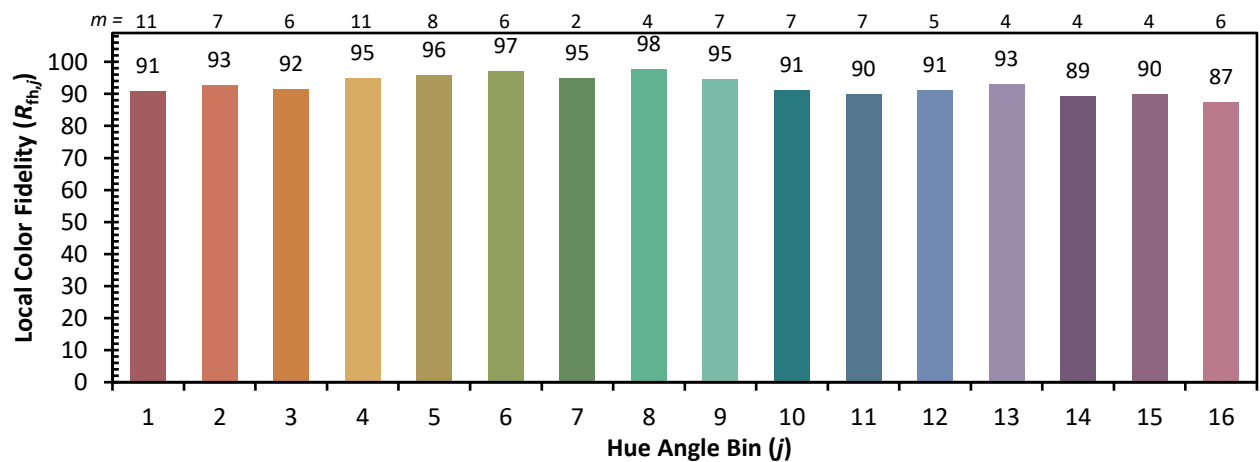
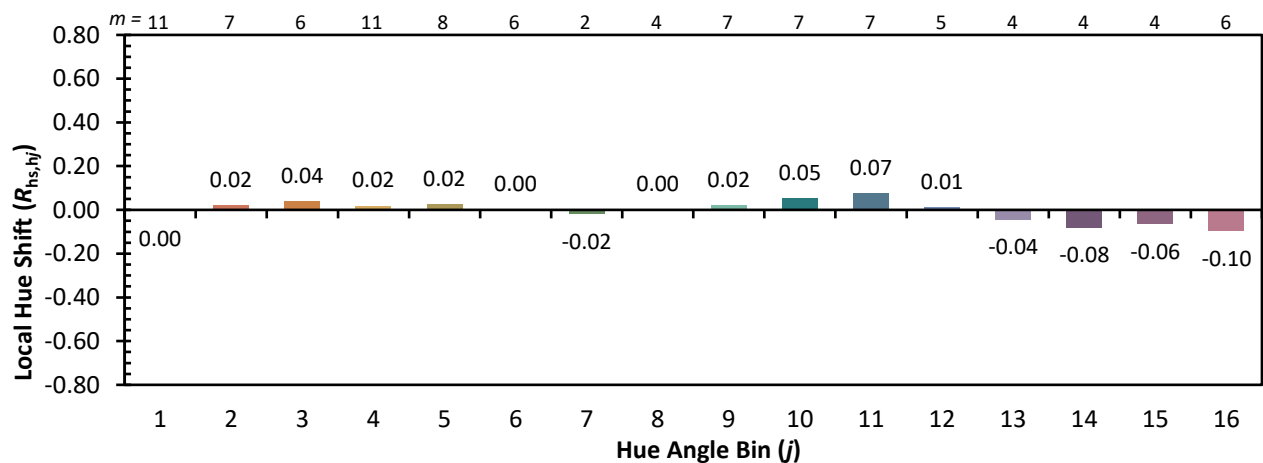
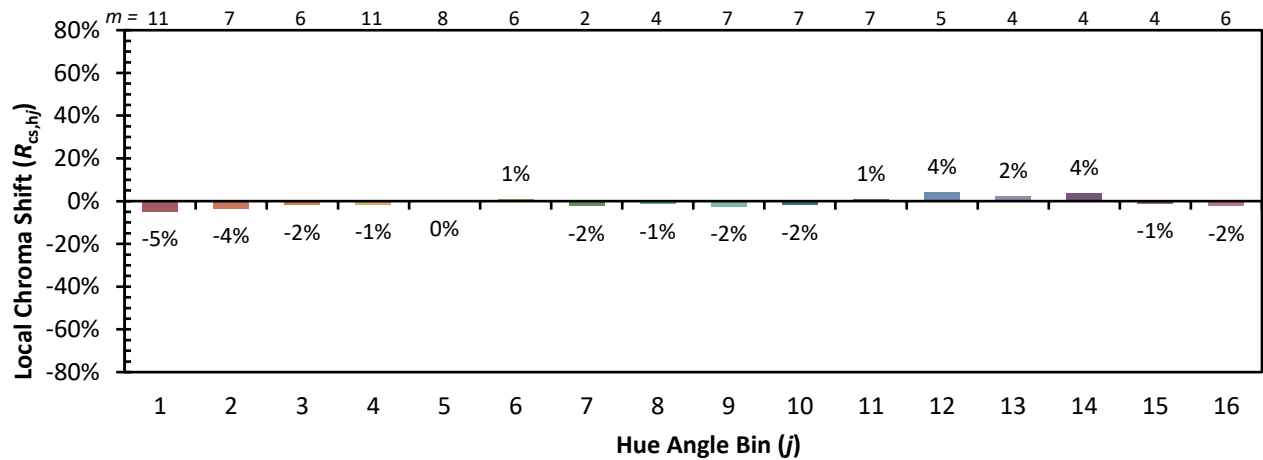
Color Vector Graphics



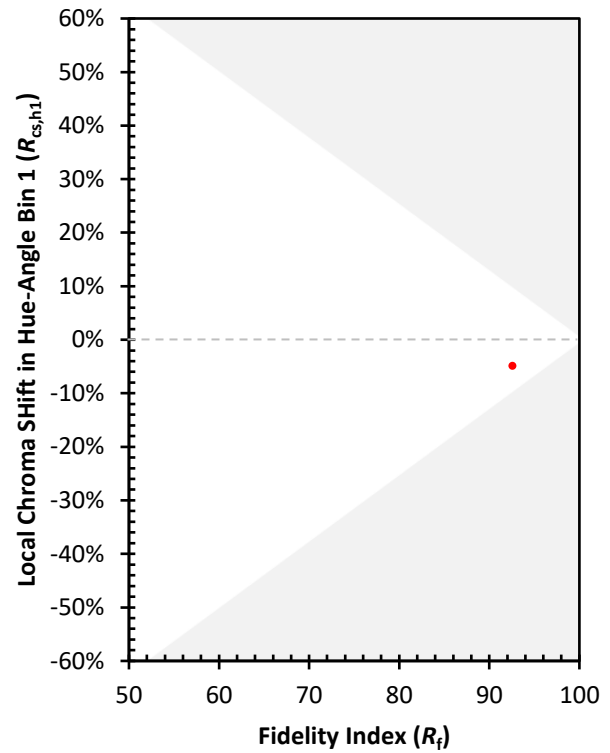
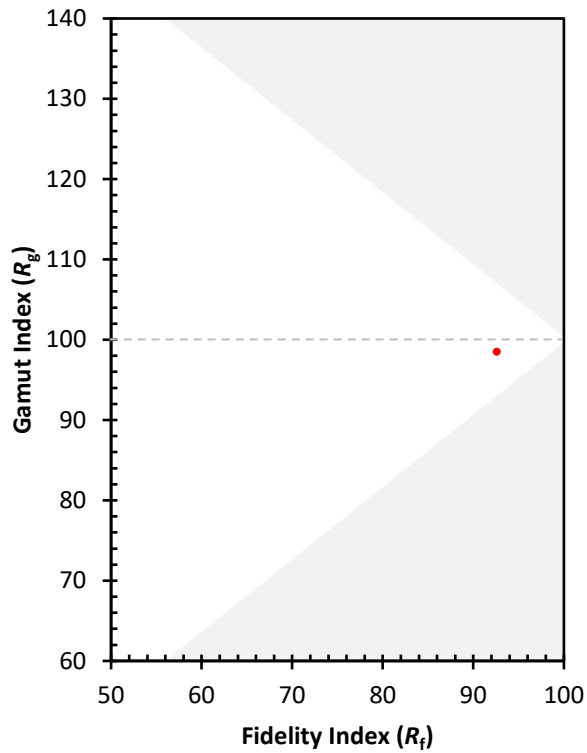
Individual Sample Fidelity Index ($R_{f,i}$)

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)