

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: P1048729

Luminaire Tested: **GALN-SA7A-930-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048729
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7A-930-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (98) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17444.7 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 193.1
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

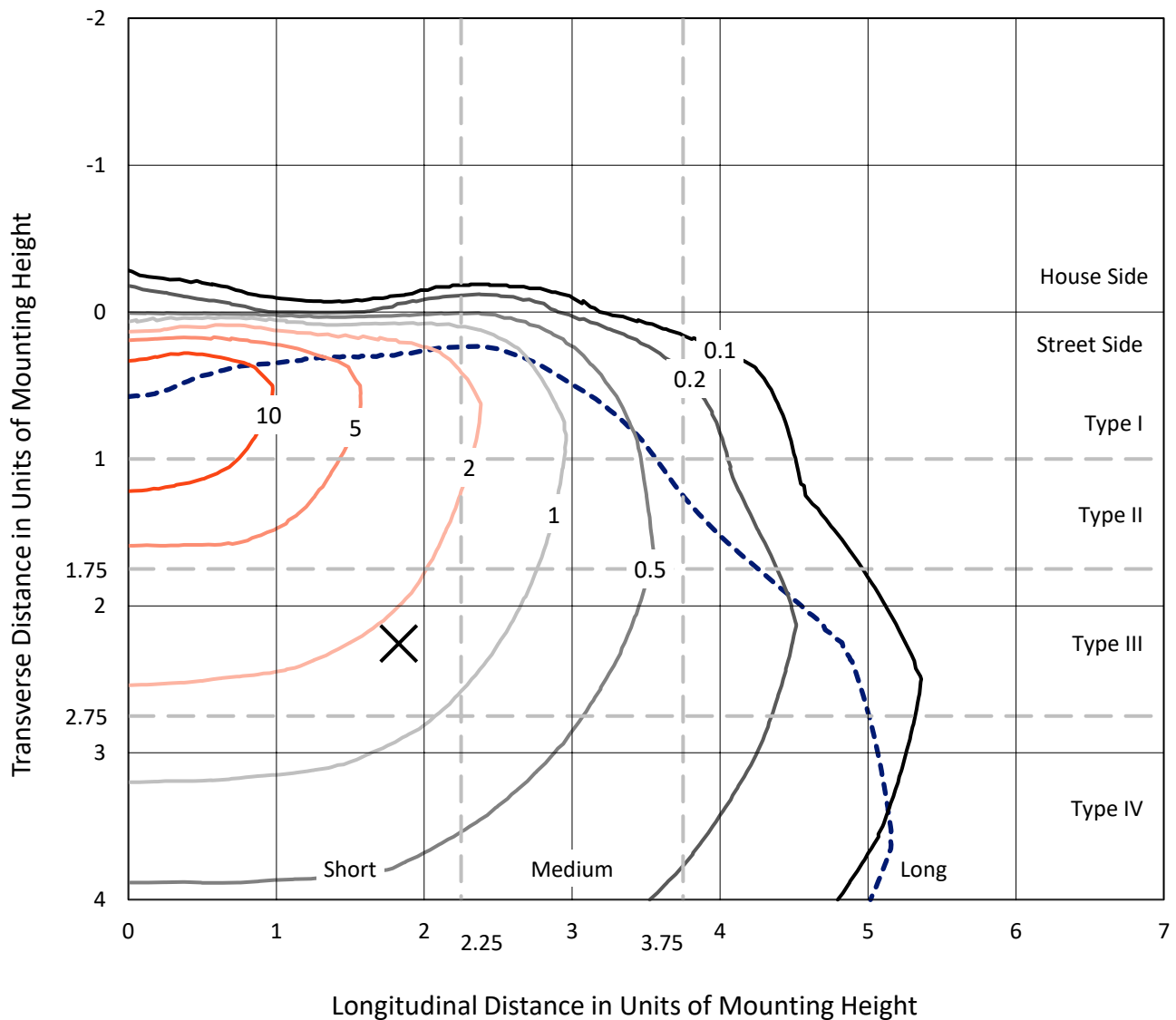


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

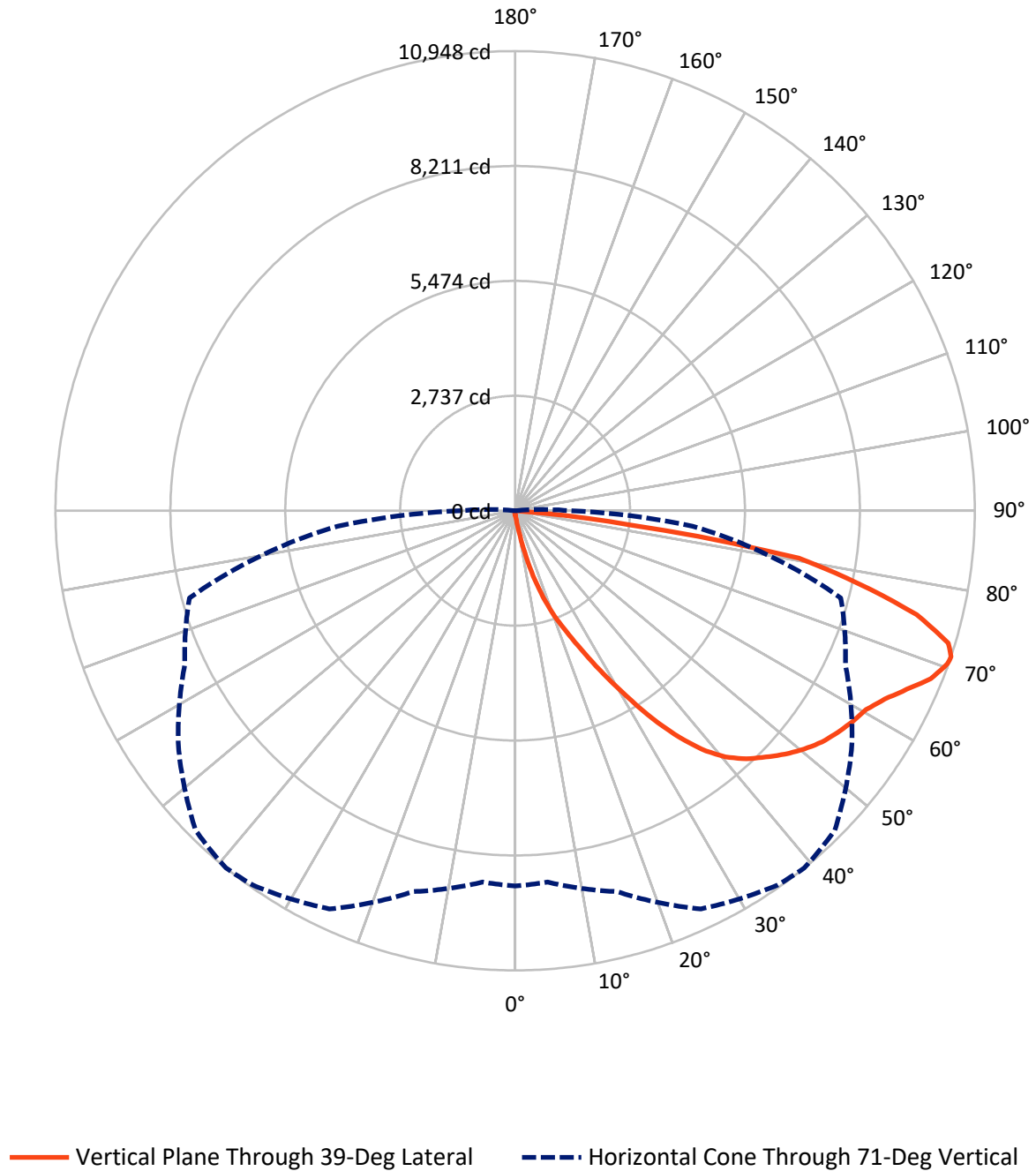


Based on 15 foot mounting height. Maximum calculated value = 17.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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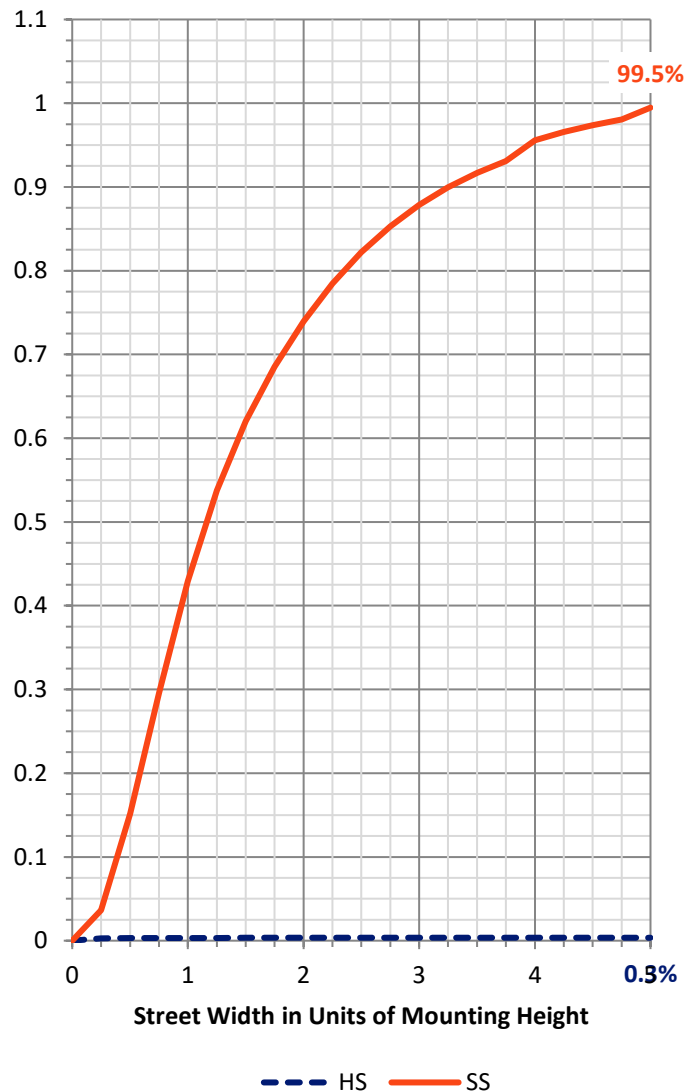
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	62.0	0.0	62.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17382.7	0.0	17382.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	17444.7	0.0	17444.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.1
10°-20°	186.4	1.1
20°-30°	664.0	3.8
30°-40°	1600.3	9.2
40°-50°	2678.2	15.4
50°-60°	3439.8	19.7
60°-70°	4353.1	25.0
70°-80°	3881.0	22.2
80°-90°	627.3	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°	17444.7	100.0
0°-180°	17444.7	100.0



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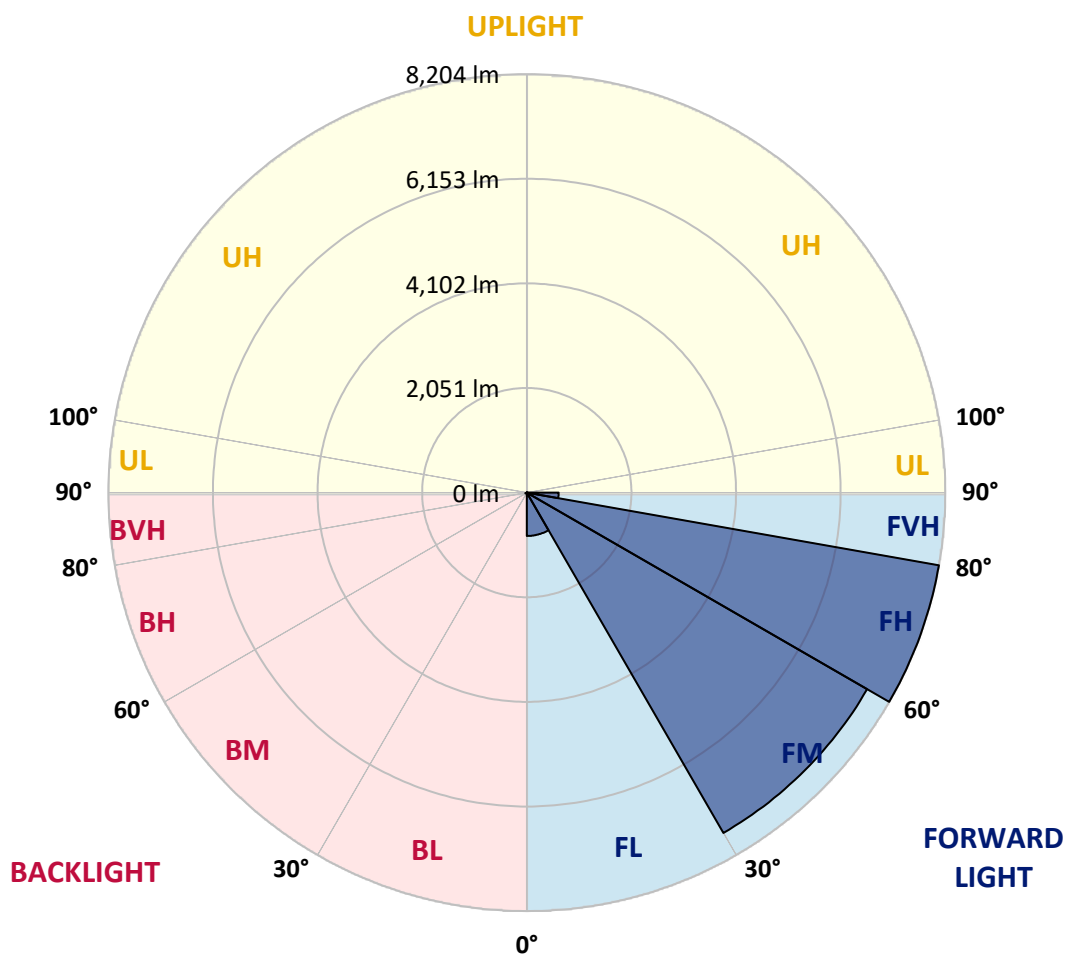
CATALOG NUMBER: GALN-SA7A-930-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	850.0	4.9			
FM	(30°-60°)	7703.9	44.2			
FH	(60°-80°)	8204.3	47.0			G4/12000
FVH	(80°-90°)	624.5	3.6			G4/750
BL	(0°-30°)	15.0	0.1	B0/110		
BM	(30°-60°)	14.3	0.1	B0/220		
BH	(60°-80°)	29.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.8	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°	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
2.5°	109.8	109.8	109.8	106.3	106.3	105.1	103.9	103.9	101.6	100.4	98.0
5°	166.5	163.0	154.7	150.0	140.5	134.6	128.7	120.5	112.2	106.3	99.2
7.5°	376.7	385.0	357.8	307.0	255.1	232.6	194.9	157.1	129.9	112.2	100.4
10°	960.1	955.4	863.2	761.7	588.1	518.4	406.2	256.3	167.7	122.8	101.6
12.5°	1633.2	1628.5	1519.8	1381.7	1152.6	1007.3	794.8	478.3	240.9	139.3	101.6
15°	2198.9	2180.0	2145.7	2008.7	1740.7	1619.0	1338.0	845.5	389.7	167.7	103.9
17.5°	2573.2	2556.7	2524.8	2475.2	2305.1	2161.1	1935.5	1328.5	630.6	217.3	108.6
20°	2916.9	2905.0	2879.1	2869.6	2759.8	2683.0	2496.5	1883.6	982.5	295.2	115.7
22.5°	3389.2	3364.4	3375.1	3318.4	3210.9	3118.8	3004.2	2464.6	1412.4	425.1	128.7
25°	3967.9	3956.1	3926.5	3886.4	3737.6	3657.3	3481.3	3012.5	1893.0	595.2	142.9
27.5°	4667.0	4654.0	4646.9	4554.8	4383.6	4296.2	4050.5	3529.8	2433.9	833.7	161.8
30°	5472.4	5478.3	5432.2	5314.1	5114.5	4991.7	4739.0	4071.8	2987.7	1113.6	181.9
32.5°	6306.1	6294.3	6223.4	6084.1	5905.8	5791.2	5470.0	4665.8	3568.7	1483.2	205.5
35°	7204.8	7182.3	6995.7	6836.3	6684.0	6539.9	6247.0	5355.4	4149.7	1897.7	237.4
37.5°	8111.7	8006.6	7632.3	7430.3	7325.2	7207.1	6934.3	6091.2	4727.2	2360.6	276.3
40°	8796.6	8715.1	8271.1	7899.1	7815.3	7714.9	7511.8	6726.5	5341.3	2857.8	323.6
42.5°	9175.7	9130.8	8731.7	8364.4	8167.2	8078.6	7905.0	7281.5	5948.3	3406.9	392.1
45°	9337.5	9267.8	9000.9	8829.7	8515.6	8369.1	8162.5	7700.7	6582.4	4030.5	487.7
47.5°	9287.9	9247.7	9056.4	9119.0	8891.1	8663.2	8359.7	8022.0	7124.5	4746.1	618.8
50°	8976.1	8941.9	8882.8	9221.8	9193.4	8924.2	8614.8	8275.8	7567.3	5484.2	821.9
52.5°	8383.3	8369.1	8520.3	9141.5	9364.7	9154.4	8860.4	8500.2	7980.6	6255.3	1112.4
55°	7619.3	7677.1	8109.3	9016.3	9452.0	9324.5	9077.7	8710.4	8312.5	6945.0	1541.1
57.5°	7305.1	7320.5	7860.2	8927.7	9491.0	9474.5	9289.1	8911.2	8617.1	7496.4	2195.3
60°	7672.4	7648.8	7933.4	8995.0	9569.0	9609.1	9476.8	9097.8	8881.7	7970.0	3066.8
62.5°	8336.1	8323.1	8414.0	9282.0	9796.9	9878.4	9737.8	9232.4	9115.5	8281.8	4061.2
65°	8928.9	8901.7	9070.6	9791.0	10197.2	10255.1	10132.2	9462.7	9218.2	8508.5	4995.3
67.5°	9185.2	9179.2	9450.9	10275.1	10617.6	10680.2	10572.7	9780.3	9194.6	8580.5	5407.4
70°	9068.2	9045.8	9480.4	10480.6	10855.0	10925.8	10821.9	9898.4	8938.3	8352.6	4796.9
71°	8939.5	8879.3	9391.8	10466.4	10888.0	10948.3	10766.4	9791.0	8680.9	8029.0	4243.0
72.5°	8540.4	8551.0	9148.5	10318.8	10808.9	10791.2	10452.3	9406.0	8370.3	7294.5	3408.1
75°	7557.9	7620.4	8360.9	9698.9	10102.7	9877.2	9358.7	8670.3	7746.8	5230.3	2366.6
77.5°	6176.2	6269.5	7083.1	8506.1	8391.6	8369.1	8347.9	7639.3	6615.5	2809.4	1646.2
80°	2948.7	3150.7	4272.5	6072.3	6596.6	6850.5	6691.1	6156.1	5115.7	1338.0	983.7
82.5°	192.5	190.1	269.2	510.2	2150.4	2779.9	4416.6	4400.1	3566.4	651.9	401.5
85°	90.9	93.3	102.7	116.9	135.8	148.8	205.5	1204.5	1706.4	310.6	87.4
87.5°	53.1	54.3	63.8	81.5	106.3	118.1	140.5	180.7	222.0	171.2	18.9
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: P1048729

CATALOG NUMBER: GALN-SA7A-930-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
2.5°	96.8	95.7	92.1	88.6	85.0	82.7	81.5	82.7	82.7	83.8	83.8
5°	96.8	93.3	87.4	80.3	75.6	70.9	68.5	67.3	68.5	68.5	68.5
7.5°	95.7	89.7	81.5	73.2	67.3	61.4	59.0	57.9	57.9	59.0	59.0
10°	93.3	87.4	76.8	67.3	60.2	53.1	49.6	46.1	46.1	46.1	47.2
12.5°	92.1	83.8	70.9	61.4	52.0	43.7	36.6	33.1	34.2	34.2	34.2
15°	89.7	80.3	67.3	55.5	43.7	33.1	27.2	23.6	24.8	26.0	24.8
17.5°	89.7	79.1	62.6	48.4	34.2	24.8	20.1	17.7	17.7	18.9	18.9
20°	89.7	76.8	59.0	41.3	26.0	18.9	14.2	13.0	13.0	15.4	16.5
22.5°	92.1	76.8	54.3	34.2	21.3	14.2	10.6	9.4	10.6	13.0	14.2
25°	95.7	75.6	49.6	30.7	17.7	10.6	8.3	5.9	7.1	9.4	10.6
27.5°	99.2	74.4	44.9	27.2	14.2	8.3	5.9	4.7	3.5	4.7	4.7
30°	102.7	74.4	40.2	22.4	11.8	5.9	3.5	2.4	1.2	0.0	0.0
32.5°	105.1	72.0	36.6	17.7	9.4	4.7	2.4	1.2	0.0	0.0	0.0
35°	107.5	69.7	31.9	14.2	7.1	3.5	1.2	0.0	0.0	0.0	0.0
37.5°	109.8	66.1	27.2	11.8	5.9	2.4	0.0	0.0	0.0	0.0	0.0
40°	112.2	61.4	22.4	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	114.5	57.9	18.9	8.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	120.5	55.5	15.4	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	131.1	53.1	14.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	146.4	50.8	13.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	167.7	49.6	11.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	205.5	48.4	10.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	270.4	47.2	10.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	414.5	44.9	10.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	740.4	43.7	9.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1290.7	44.9	9.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1850.5	47.2	8.3	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1583.6	41.3	8.3	4.7	2.4	1.2	0.0	0.0	0.0	0.0	0.0
71°	1290.7	36.6	8.3	4.7	2.4	1.2	1.2	0.0	0.0	0.0	0.0
72.5°	830.2	28.3	7.1	4.7	2.4	2.4	1.2	0.0	0.0	0.0	0.0
75°	350.7	23.6	7.1	4.7	3.5	2.4	2.4	1.2	0.0	0.0	0.0
77.5°	150.0	17.7	7.1	5.9	4.7	3.5	3.5	2.4	1.2	0.0	0.0
80°	56.7	14.2	8.3	7.1	5.9	5.9	4.7	2.4	1.2	0.0	0.0
82.5°	26.0	11.8	8.3	7.1	7.1	5.9	4.7	3.5	2.4	0.0	0.0
85°	16.5	10.6	8.3	7.1	7.1	5.9	5.9	3.5	2.4	0.0	0.0
87.5°	13.0	10.6	8.3	8.3	7.1	7.1	4.7	3.5	1.2	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

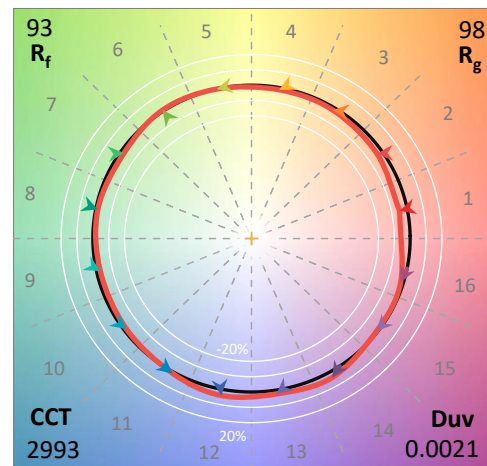
Test Information

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

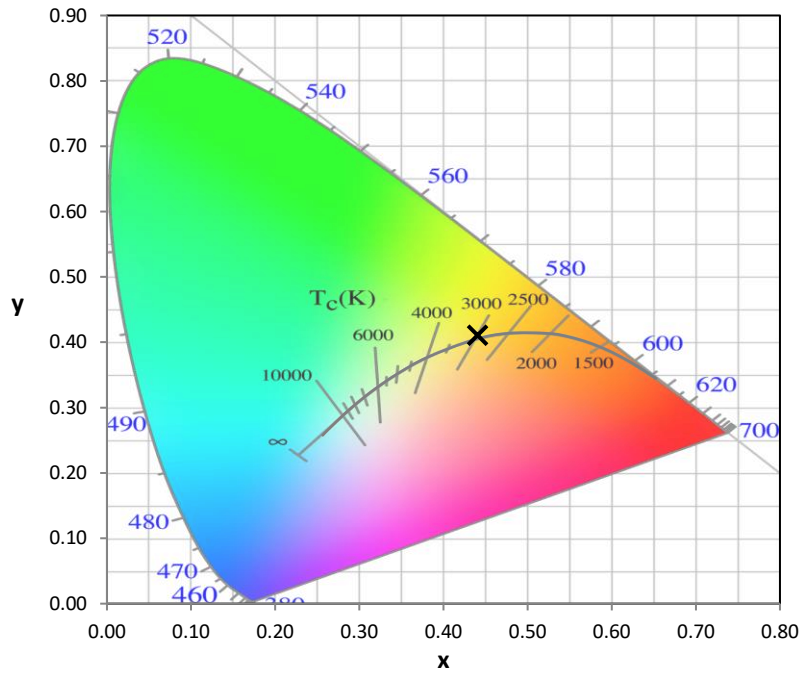
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

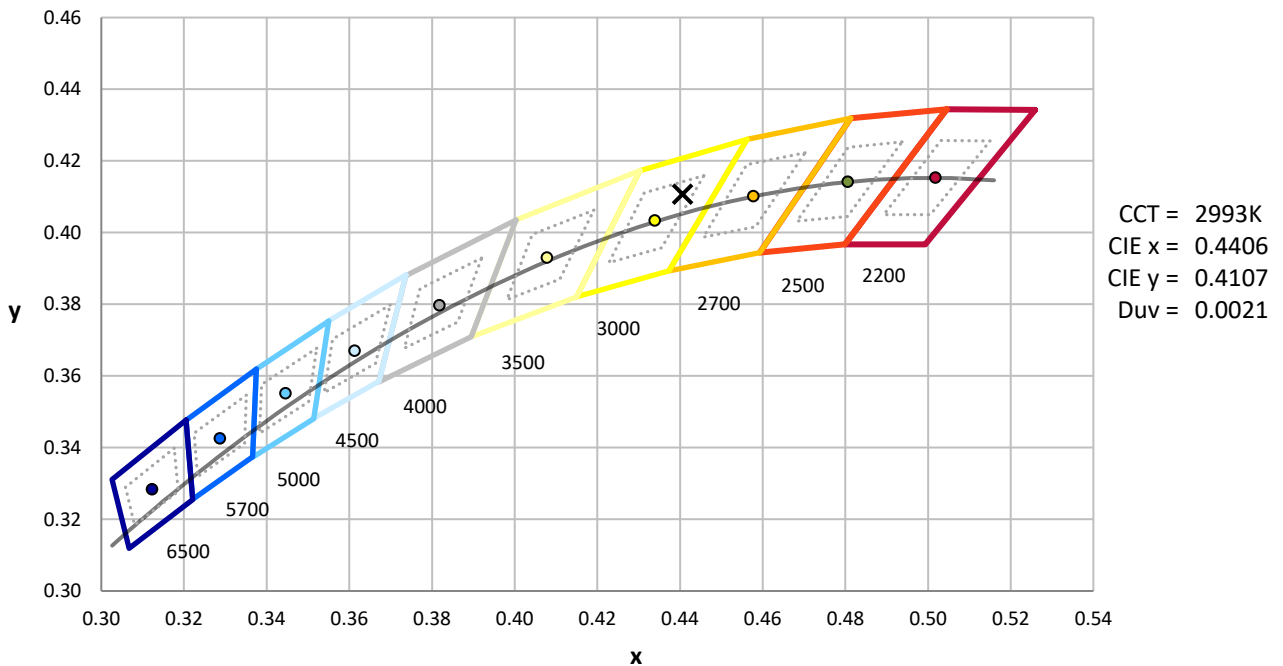
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

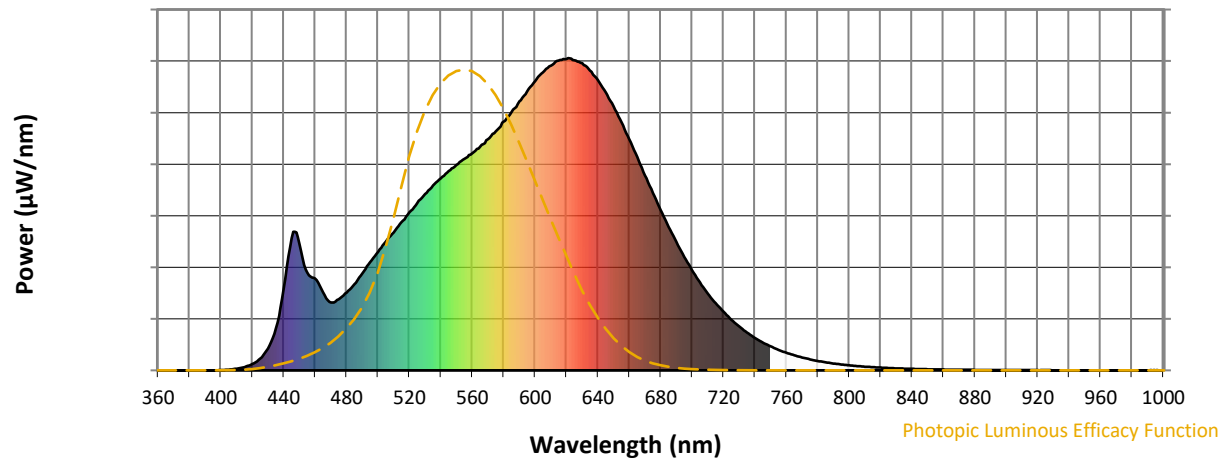


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

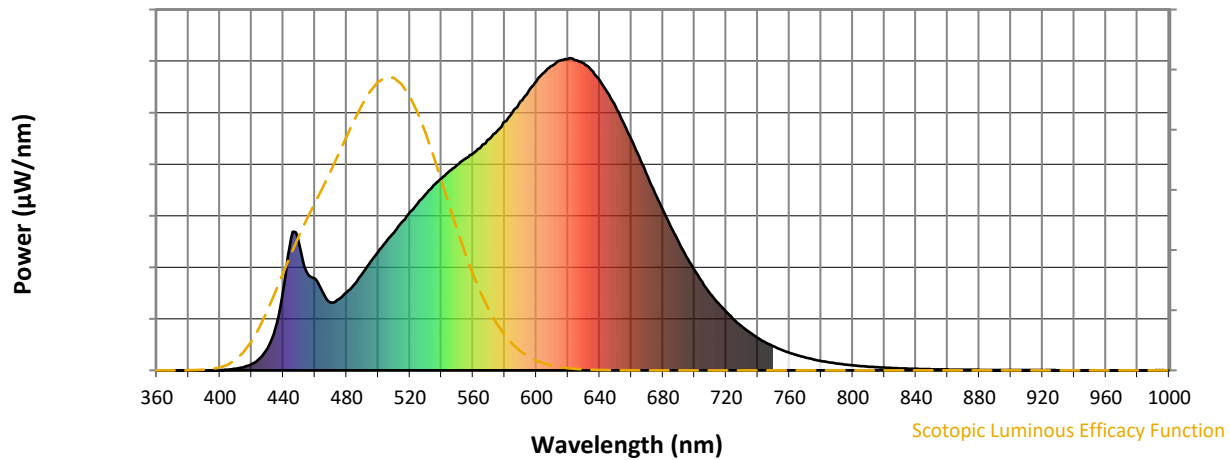
REPORT NUMBER: SP1-2407-184-14

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			

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Scotopic Flux vs. Wavelength



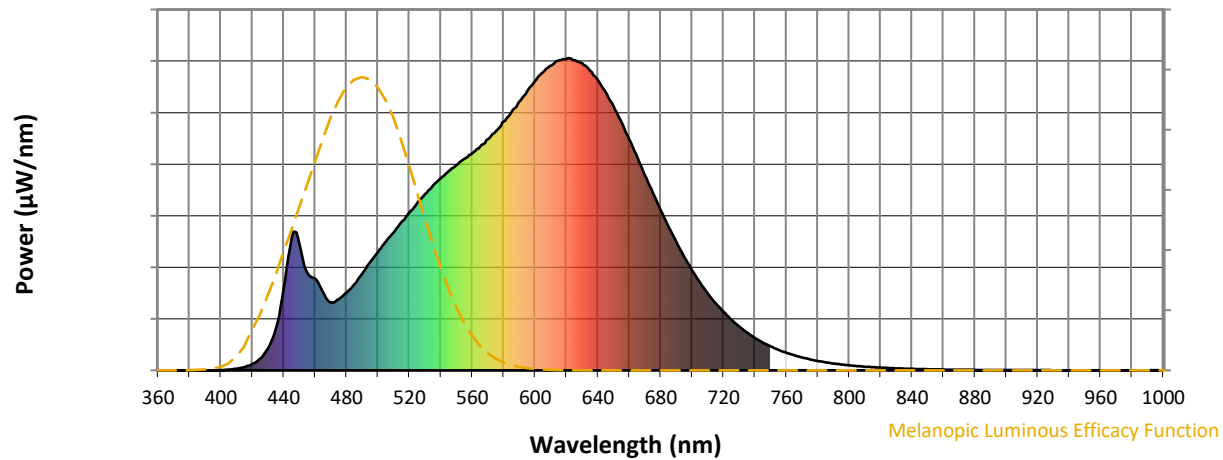
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

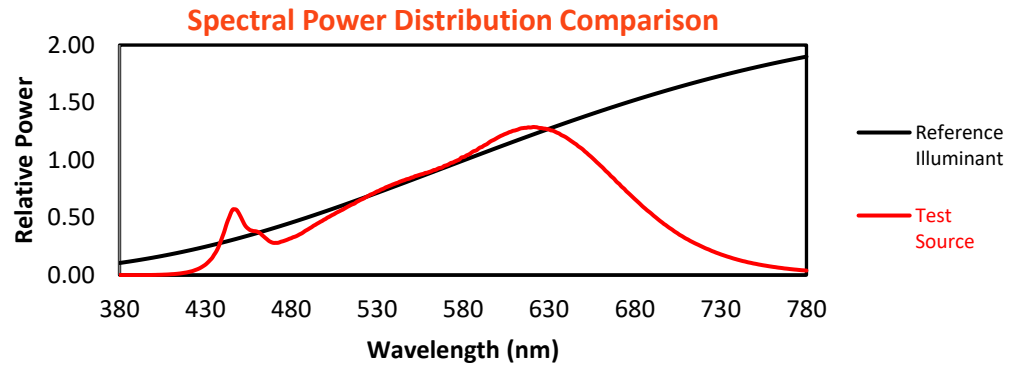
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310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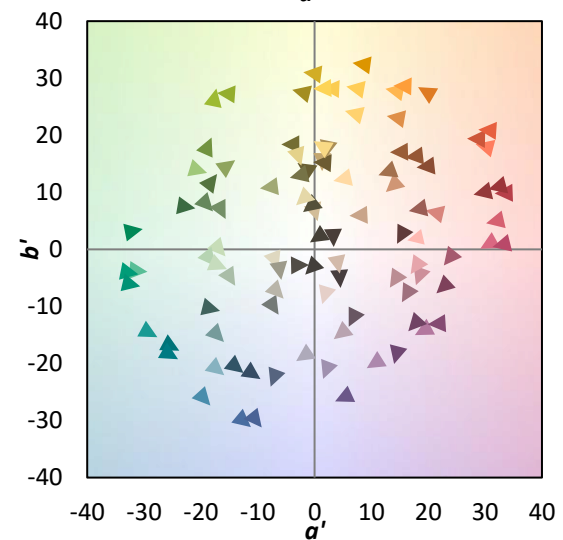
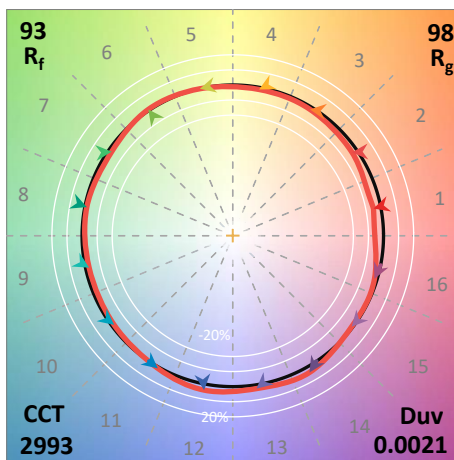
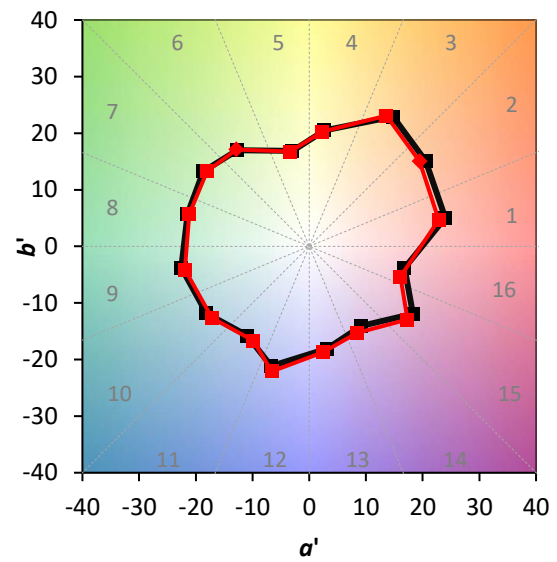
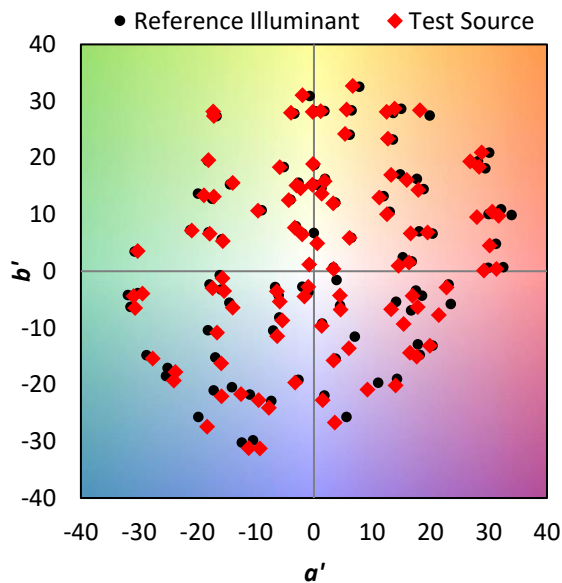
TM-30-18

Summary

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

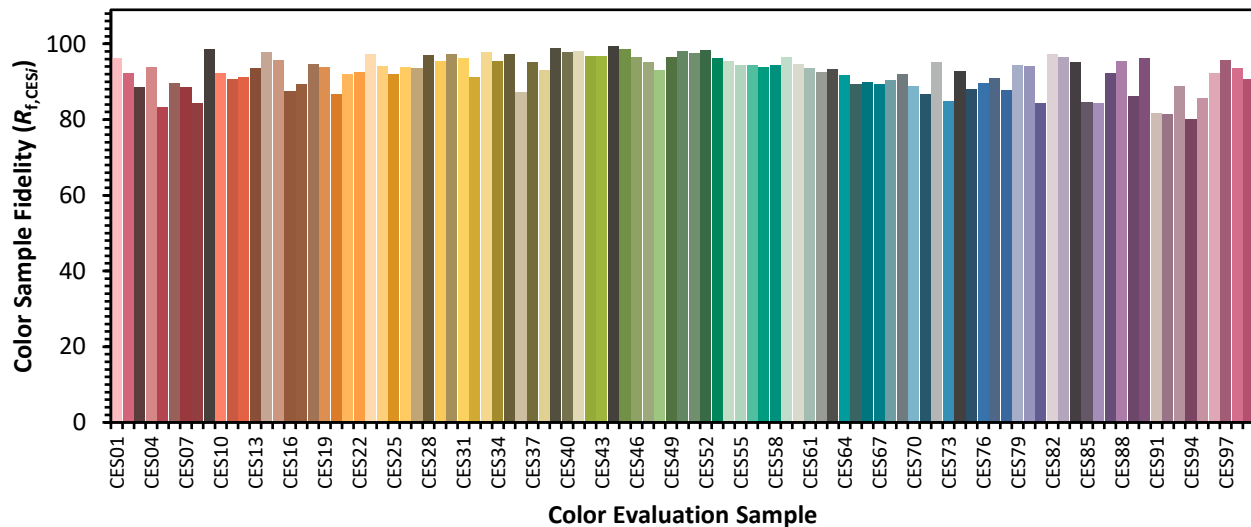


Color Vector Graphics

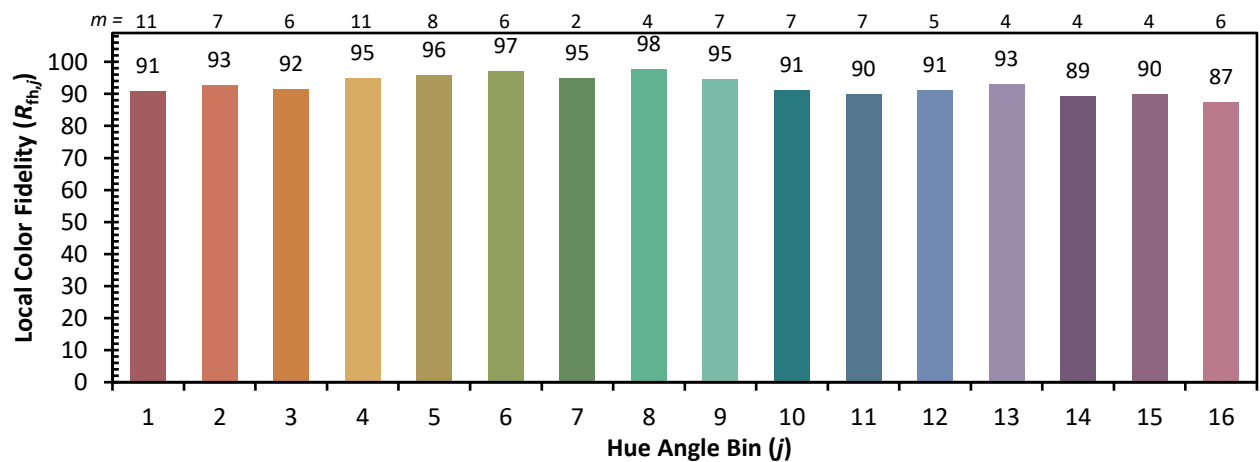
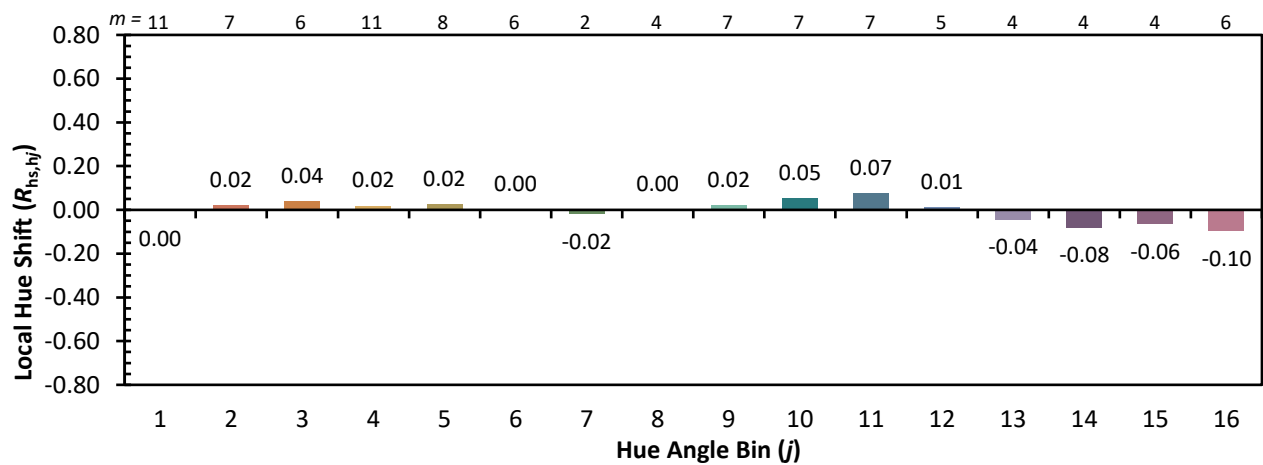
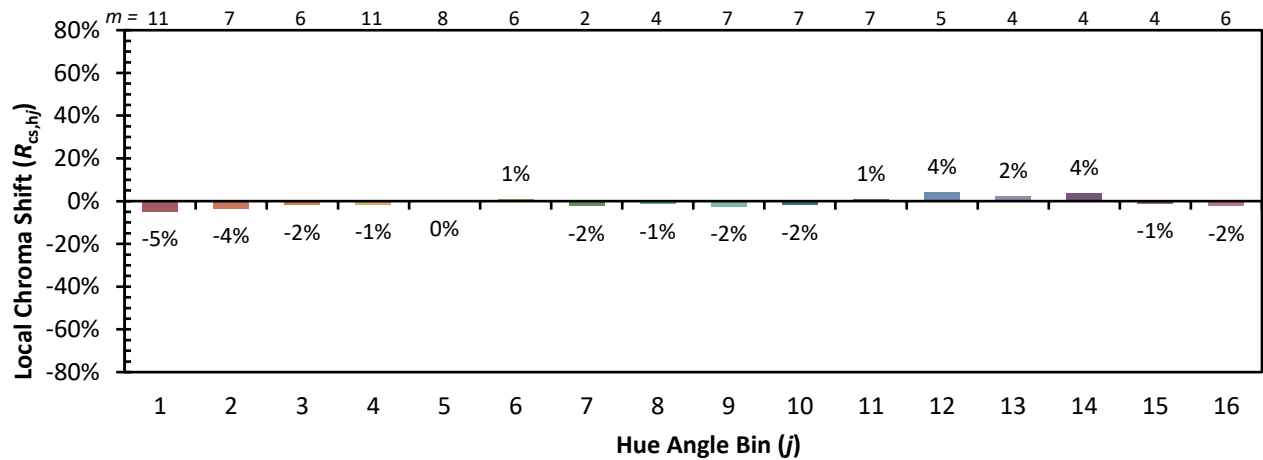


Individual Sample Fidelity Index ($R_{f,i}$)

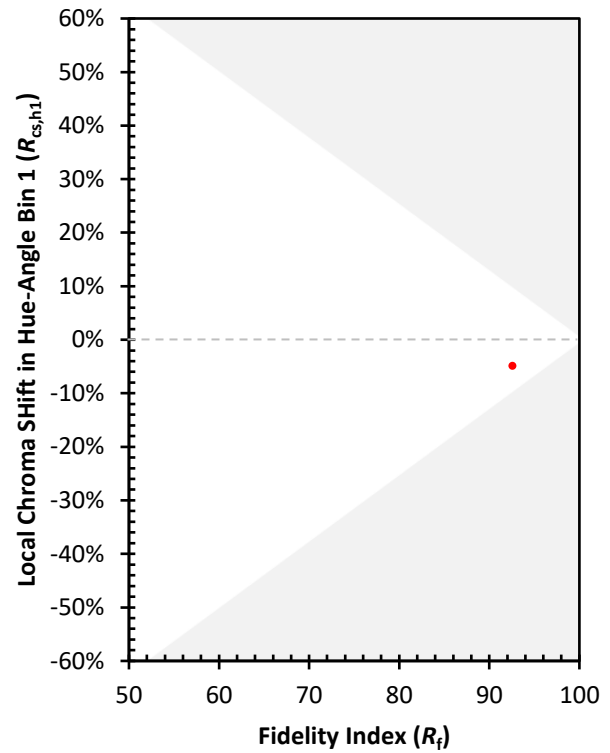
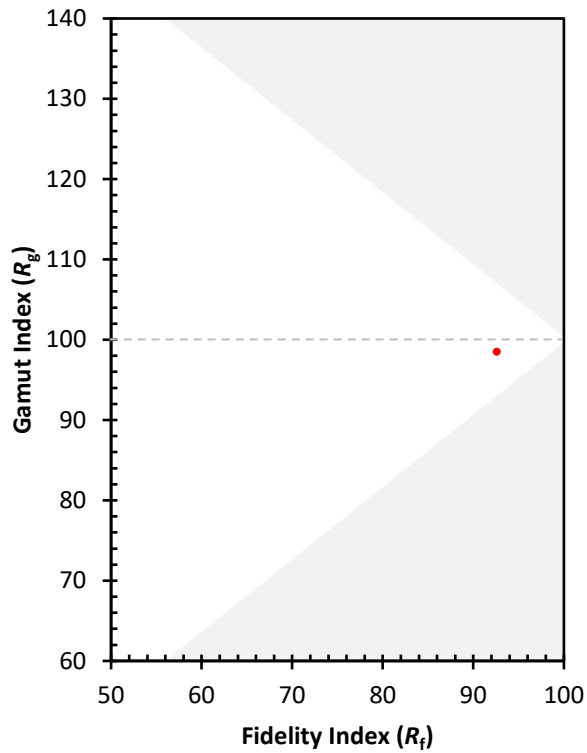
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82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