

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: P1048721

Luminaire Tested: **GALN-SA5A-930-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048721
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-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12460.5 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - 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

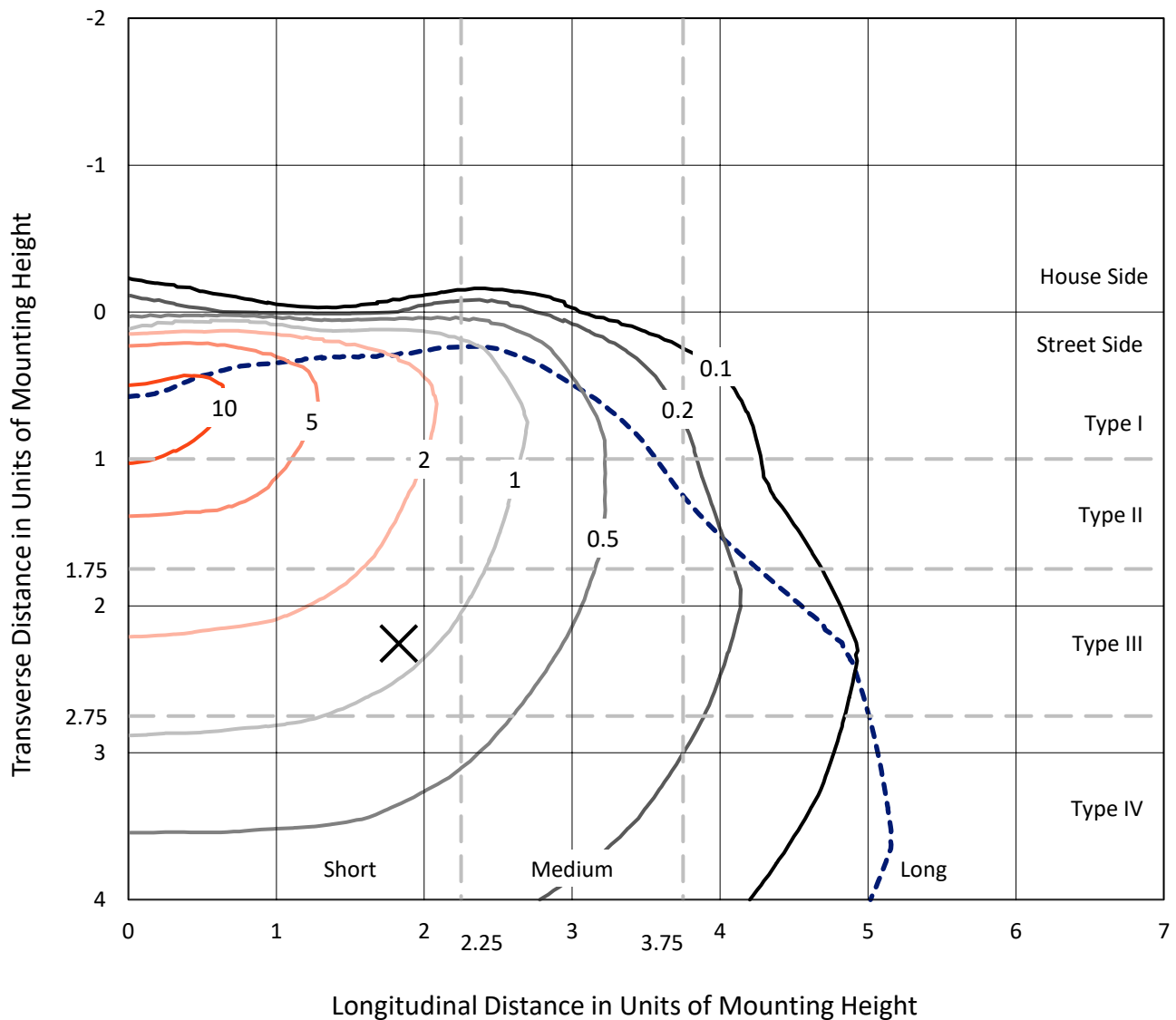


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

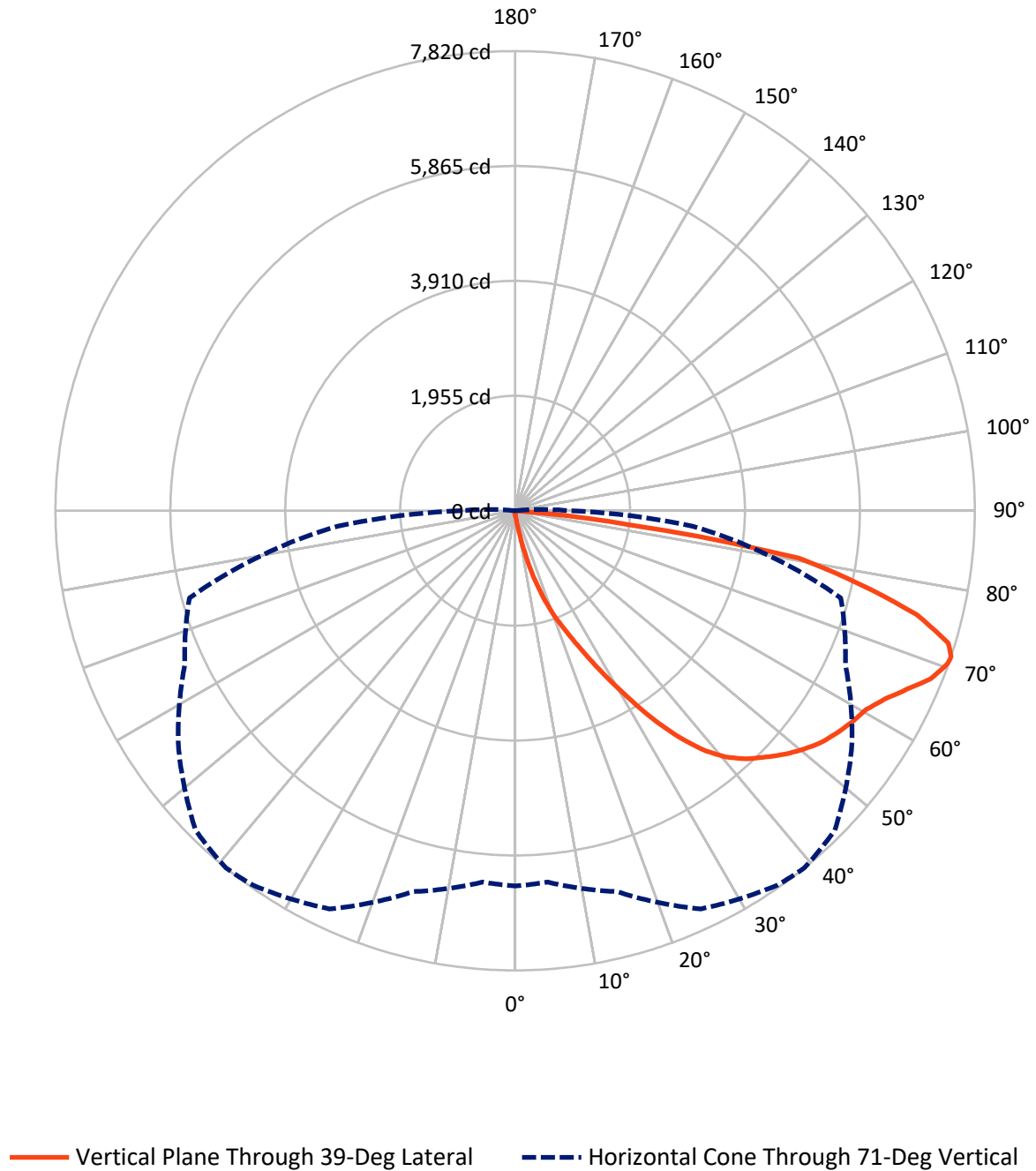


Based on 15 foot mounting height. Maximum calculated value = 12.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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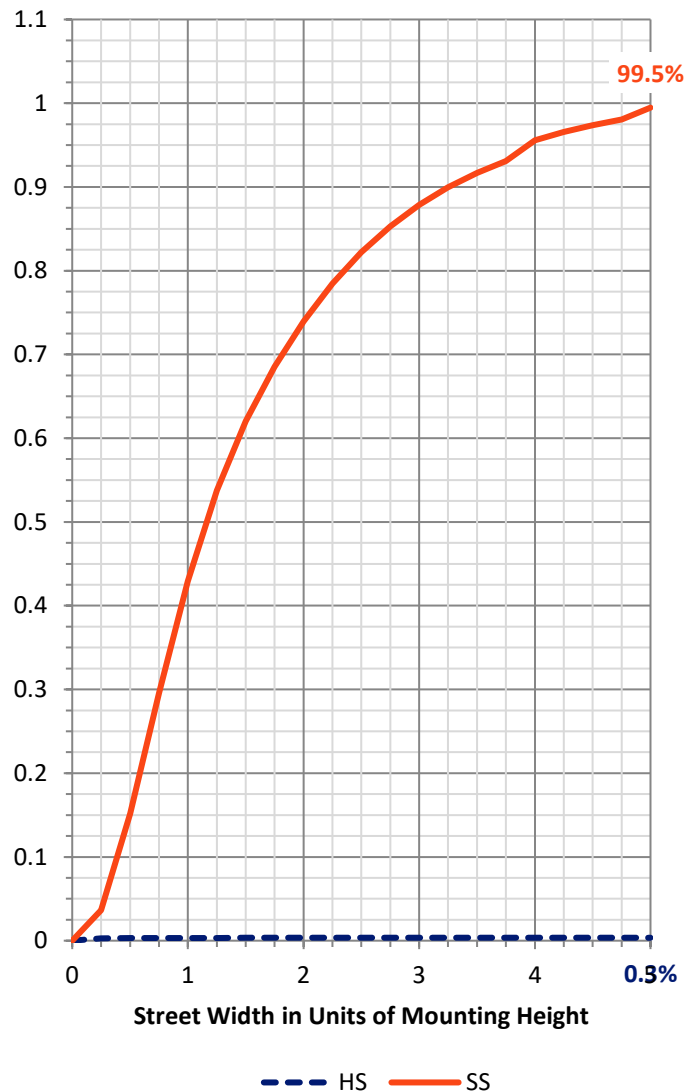
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	44.3	0.0	44.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12416.2	0.0	12416.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	12460.5	0.0	12460.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.1
10°-20°	133.2	1.1
20°-30°	474.3	3.8
30°-40°	1143.1	9.2
40°-50°	1913.0	15.4
50°-60°	2457.0	19.7
60°-70°	3109.4	25.0
70°-80°	2772.1	22.2
80°-90°	448.1	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°	12460.5	100.0
0°-180°	12460.5	100.0



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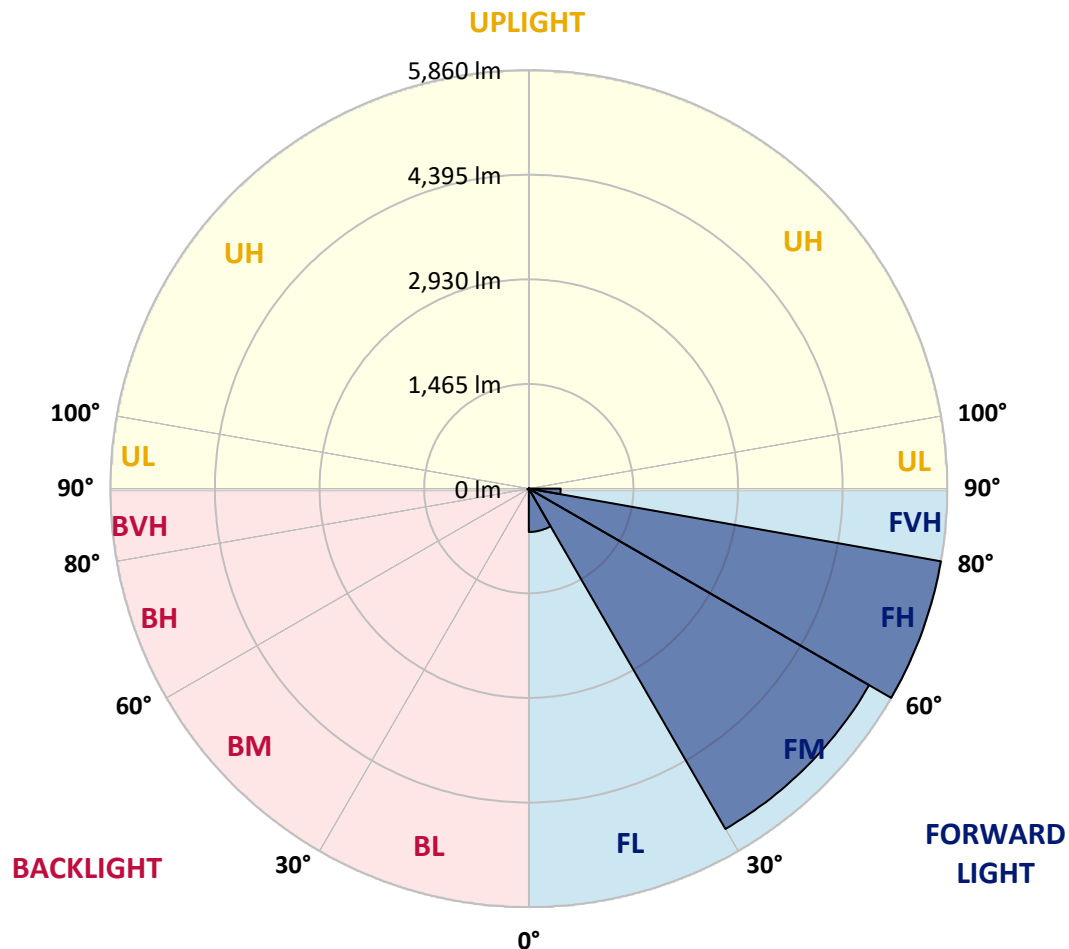
CATALOG NUMBER: GALN-SA5A-930-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	607.2	4.9			
FM	(30°-60°)	5502.8	44.2			
FH	(60°-80°)	5860.2	47.0			G3/7500
FVH	(80°-90°)	446.1	3.6			G3/500
BL	(0°-30°)	10.7	0.1	B0/110		
BM	(30°-60°)	10.2	0.1	B0/220		
BH	(60°-80°)	21.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2.5°	78.4	78.4	78.4	75.9	75.9	75.1	74.2	74.2	72.5	71.7	70.0
5°	118.9	116.4	110.5	107.1	100.4	96.2	91.9	86.0	80.1	75.9	70.9
7.5°	269.1	275.0	255.6	219.3	182.2	166.2	139.2	112.2	92.8	80.1	71.7
10°	685.8	682.4	616.6	544.1	420.1	370.3	290.2	183.0	119.8	87.7	72.5
12.5°	1166.6	1163.2	1085.6	986.9	823.3	719.5	567.7	341.6	172.1	99.5	72.5
15°	1570.6	1557.1	1532.7	1434.8	1243.3	1156.5	955.7	604.0	278.4	119.8	74.2
17.5°	1838.0	1826.2	1803.4	1768.0	1646.5	1543.6	1382.5	948.9	450.4	155.2	77.6
20°	2083.5	2075.0	2056.5	2049.7	1971.3	1916.5	1783.2	1345.4	701.8	210.9	82.7
22.5°	2420.9	2403.2	2410.8	2370.3	2293.5	2227.7	2145.9	1760.4	1008.8	303.7	91.9
25°	2834.2	2825.8	2804.7	2776.0	2669.7	2612.4	2486.7	2151.8	1352.1	425.1	102.1
27.5°	3333.6	3324.3	3319.2	3253.4	3131.1	3068.7	2893.2	2521.3	1738.5	595.5	115.6
30°	3908.8	3913.0	3880.1	3795.8	3653.2	3565.5	3385.0	2908.4	2134.1	795.4	129.9
32.5°	4504.3	4495.9	4445.3	4345.8	4218.4	4136.6	3907.1	3332.7	2549.1	1059.4	146.8
35°	5146.3	5130.2	4997.0	4883.1	4774.3	4671.4	4462.2	3825.3	2964.1	1355.5	169.5
37.5°	5794.1	5719.0	5451.6	5307.4	5232.3	5147.9	4953.1	4350.8	3376.6	1686.2	197.4
40°	6283.3	6225.1	5907.9	5642.2	5582.4	5510.7	5365.6	4804.6	3815.2	2041.3	231.1
42.5°	6554.1	6522.0	6236.9	5974.6	5833.7	5770.5	5646.5	5201.1	4248.8	2433.5	280.0
45°	6669.6	6619.9	6429.2	6306.9	6082.6	5978.0	5830.3	5500.5	4701.7	2878.9	348.4
47.5°	6634.2	6605.5	6468.9	6513.6	6350.8	6188.0	5971.2	5730.0	5088.9	3390.1	442.0
50°	6411.5	6387.1	6344.9	6587.0	6566.7	6374.4	6153.4	5911.3	5405.2	3917.3	587.1
52.5°	5988.1	5978.0	6085.9	6529.6	6689.0	6538.9	6328.9	6071.6	5700.4	4468.1	794.6
55°	5442.3	5483.7	5792.4	6440.2	6751.5	6660.4	6484.1	6221.7	5937.5	4960.7	1100.8
57.5°	5218.0	5228.9	5614.4	6376.9	6779.3	6767.5	6635.1	6365.1	6155.1	5354.6	1568.1
60°	5480.3	5463.4	5666.7	6425.0	6835.0	6863.6	6769.2	6498.4	6344.0	5692.9	2190.6
62.5°	5954.3	5945.1	6010.0	6630.0	6997.8	7056.0	6955.6	6594.6	6511.1	5915.5	2900.8
65°	6377.8	6358.4	6479.0	6993.5	7283.7	7325.0	7237.3	6759.0	6584.4	6077.5	3568.0
67.5°	6560.8	6556.6	6750.6	7339.4	7584.0	7628.7	7551.9	6986.0	6567.6	6128.9	3862.4
70°	6477.3	6461.3	6771.7	7486.2	7753.5	7804.2	7729.9	7070.3	6384.5	5966.1	3426.3
71°	6385.4	6342.4	6708.4	7476.0	7777.2	7820.2	7690.3	6993.5	6200.6	5735.0	3030.7
72.5°	6100.3	6107.9	6534.7	7370.6	7720.7	7708.0	7465.9	6718.6	5978.8	5210.4	2434.4
75°	5398.5	5443.2	5972.1	6927.8	7216.2	7055.1	6684.8	6193.1	5533.4	3735.9	1690.4
77.5°	4411.6	4478.2	5059.4	6075.8	5994.0	5978.0	5962.8	5456.7	4725.3	2006.7	1175.9
80°	2106.2	2250.5	3051.8	4337.3	4711.8	4893.2	4779.3	4397.2	3654.1	955.7	702.6
82.5°	137.5	135.8	192.3	364.4	1536.0	1985.6	3154.7	3142.9	2547.4	465.6	286.8
85°	65.0	66.6	73.4	83.5	97.0	106.3	146.8	860.4	1218.9	221.8	62.4
87.5°	38.0	38.8	45.5	58.2	75.9	84.4	100.4	129.1	158.6	122.3	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-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2.5°	69.2	68.3	65.8	63.3	60.7	59.0	58.2	59.0	59.0	59.9	59.9
5°	69.2	66.6	62.4	57.4	54.0	50.6	48.9	48.1	48.9	48.9	48.9
7.5°	68.3	64.1	58.2	52.3	48.1	43.9	42.2	41.3	41.3	42.2	42.2
10°	66.6	62.4	54.8	48.1	43.0	38.0	35.4	32.9	32.9	32.9	33.7
12.5°	65.8	59.9	50.6	43.9	37.1	31.2	26.1	23.6	24.5	24.5	24.5
15°	64.1	57.4	48.1	39.6	31.2	23.6	19.4	16.9	17.7	18.6	17.7
17.5°	64.1	56.5	44.7	34.6	24.5	17.7	14.3	12.7	12.7	13.5	13.5
20°	64.1	54.8	42.2	29.5	18.6	13.5	10.1	9.3	9.3	11.0	11.8
22.5°	65.8	54.8	38.8	24.5	15.2	10.1	7.6	6.7	7.6	9.3	10.1
25°	68.3	54.0	35.4	21.9	12.7	7.6	5.9	4.2	5.1	6.7	7.6
27.5°	70.9	53.1	32.1	19.4	10.1	5.9	4.2	3.4	2.5	3.4	3.4
30°	73.4	53.1	28.7	16.0	8.4	4.2	2.5	1.7	0.8	0.0	0.0
32.5°	75.1	51.5	26.1	12.7	6.7	3.4	1.7	0.8	0.0	0.0	0.0
35°	76.8	49.8	22.8	10.1	5.1	2.5	0.8	0.0	0.0	0.0	0.0
37.5°	78.4	47.2	19.4	8.4	4.2	1.7	0.0	0.0	0.0	0.0	0.0
40°	80.1	43.9	16.0	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	81.8	41.3	13.5	5.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	86.0	39.6	11.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	93.6	38.0	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	104.6	36.3	9.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	119.8	35.4	8.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	146.8	34.6	7.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	193.2	33.7	7.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	296.1	32.1	7.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	528.9	31.2	6.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	922.0	32.1	6.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1321.8	33.7	5.9	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
70°	1131.1	29.5	5.9	3.4	1.7	0.8	0.0	0.0	0.0	0.0	0.0
71°	922.0	26.1	5.9	3.4	1.7	0.8	0.8	0.0	0.0	0.0	0.0
72.5°	593.0	20.2	5.1	3.4	1.7	1.7	0.8	0.0	0.0	0.0	0.0
75°	250.5	16.9	5.1	3.4	2.5	1.7	1.7	0.8	0.0	0.0	0.0
77.5°	107.1	12.7	5.1	4.2	3.4	2.5	2.5	1.7	0.8	0.0	0.0
80°	40.5	10.1	5.9	5.1	4.2	4.2	3.4	1.7	0.8	0.0	0.0
82.5°	18.6	8.4	5.9	5.1	5.1	4.2	3.4	2.5	1.7	0.0	0.0
85°	11.8	7.6	5.9	5.1	5.1	4.2	4.2	2.5	1.7	0.0	0.0
87.5°	9.3	7.6	5.9	5.9	5.1	5.1	3.4	2.5	0.8	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

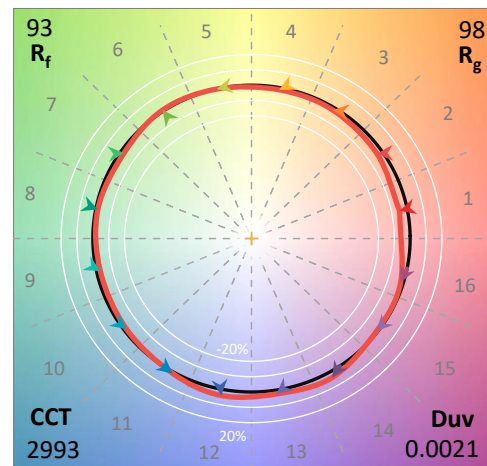
Test Information

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

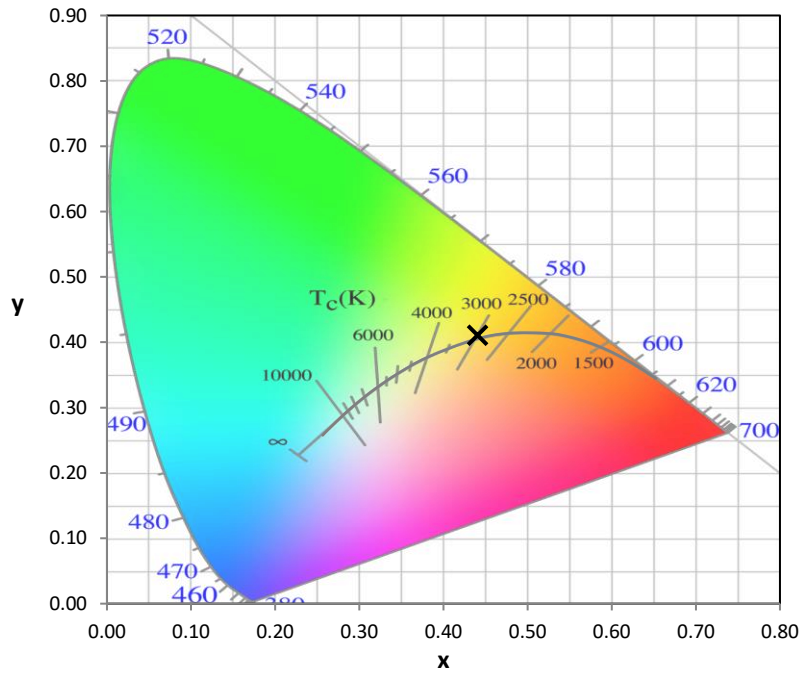
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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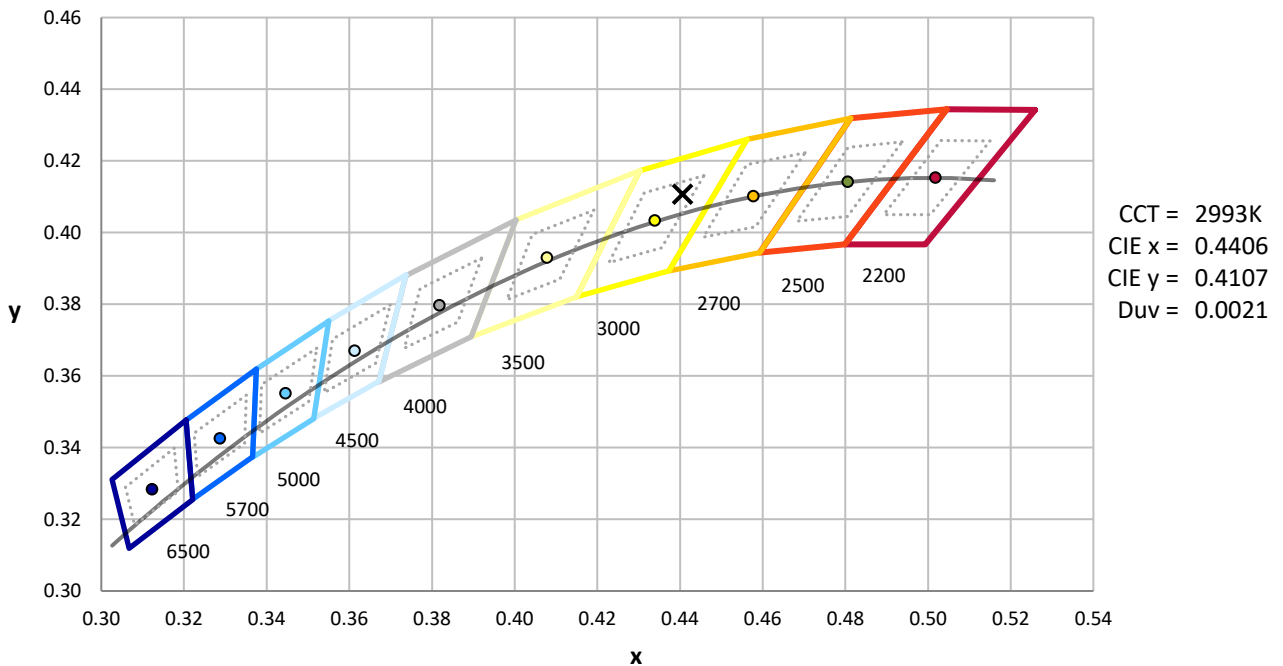
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



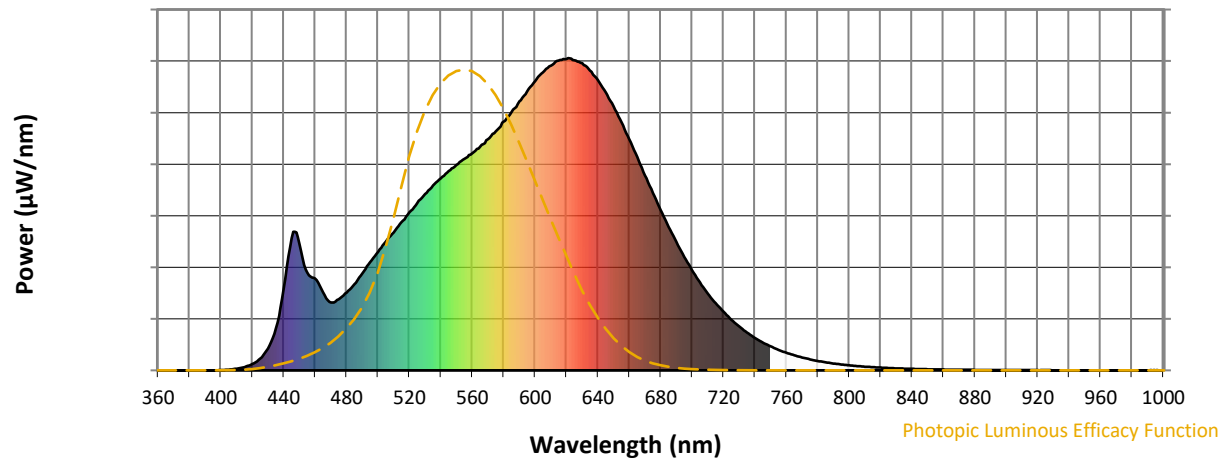
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

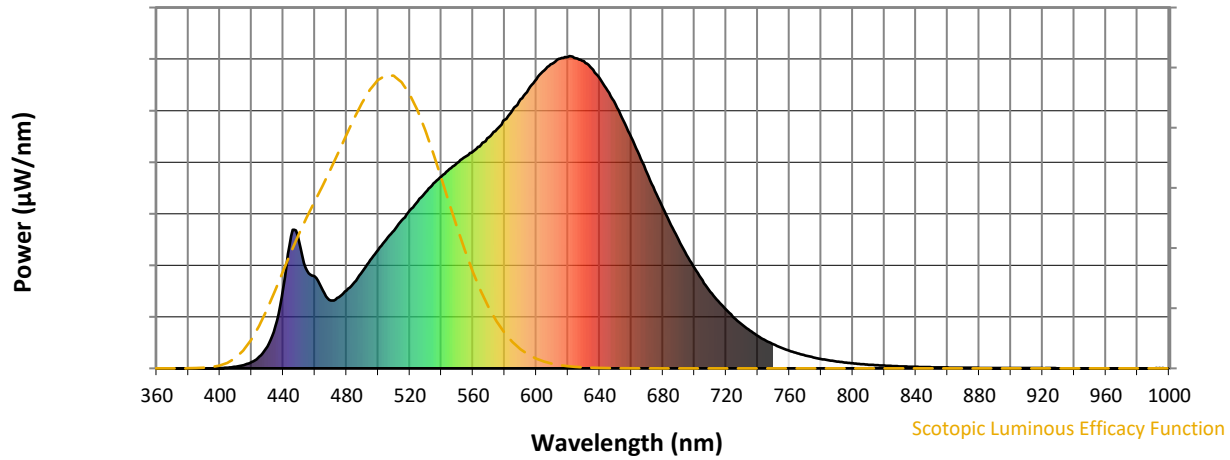


Photopic Lumens: NR

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



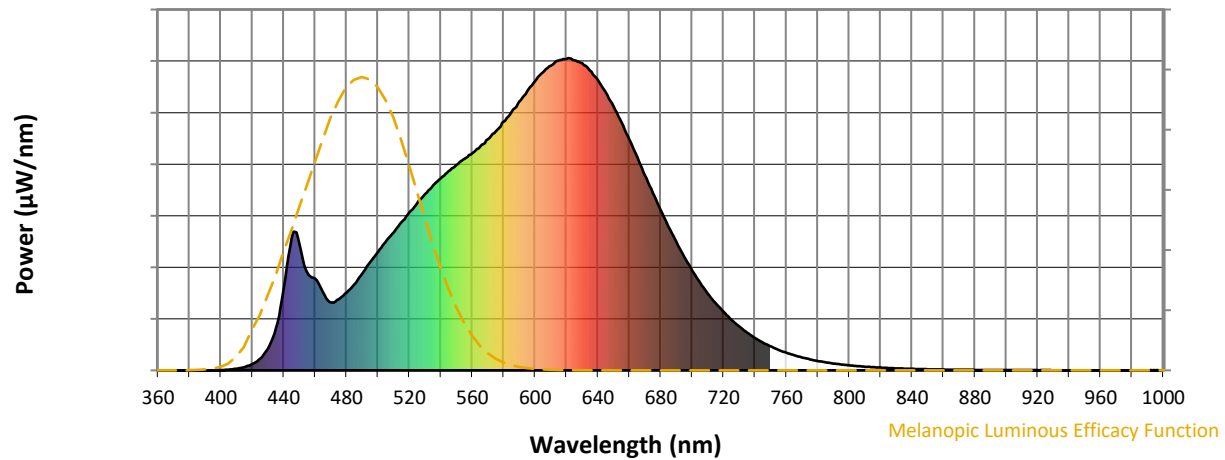
Scotopic Lumens: NR

S/P: 1.39

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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

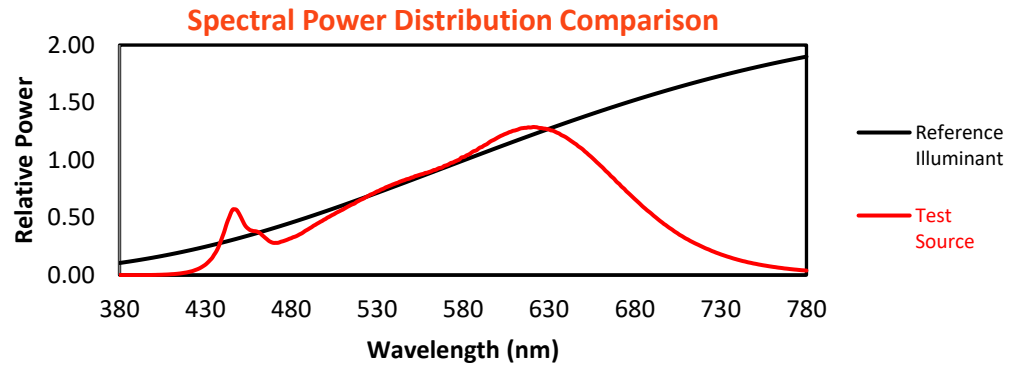
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310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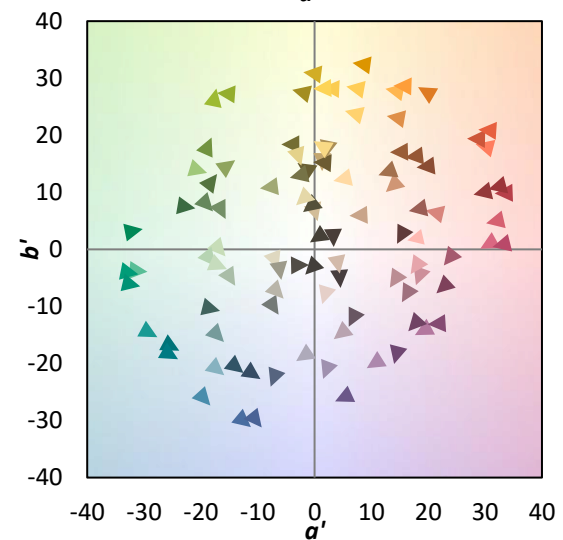
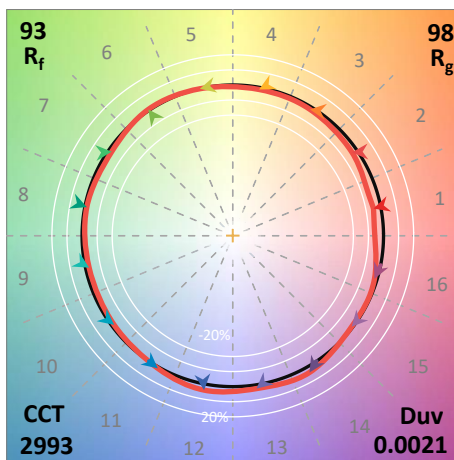
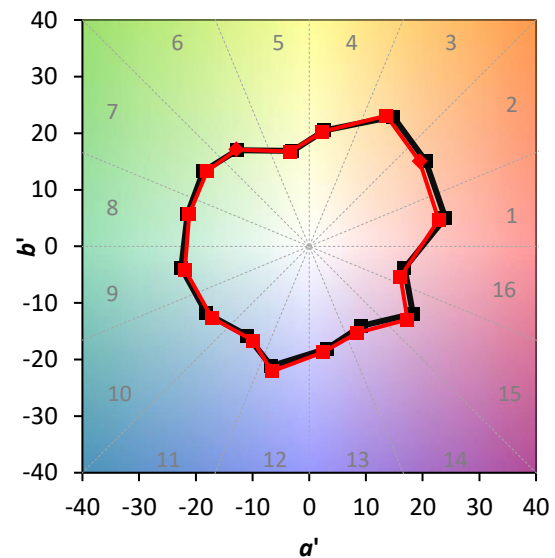
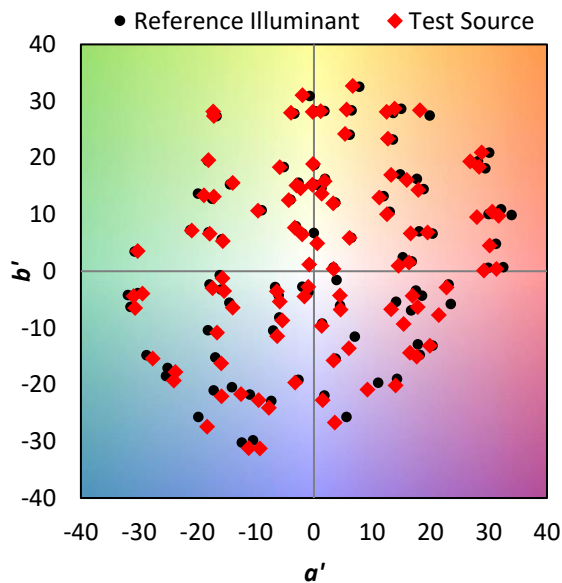
TM-30-18

Summary

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

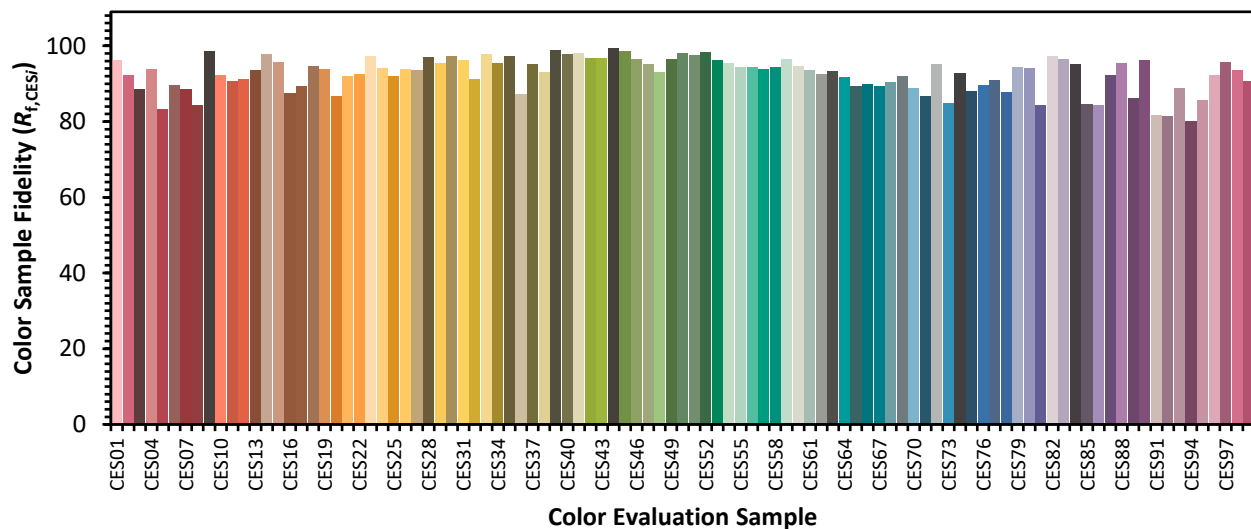


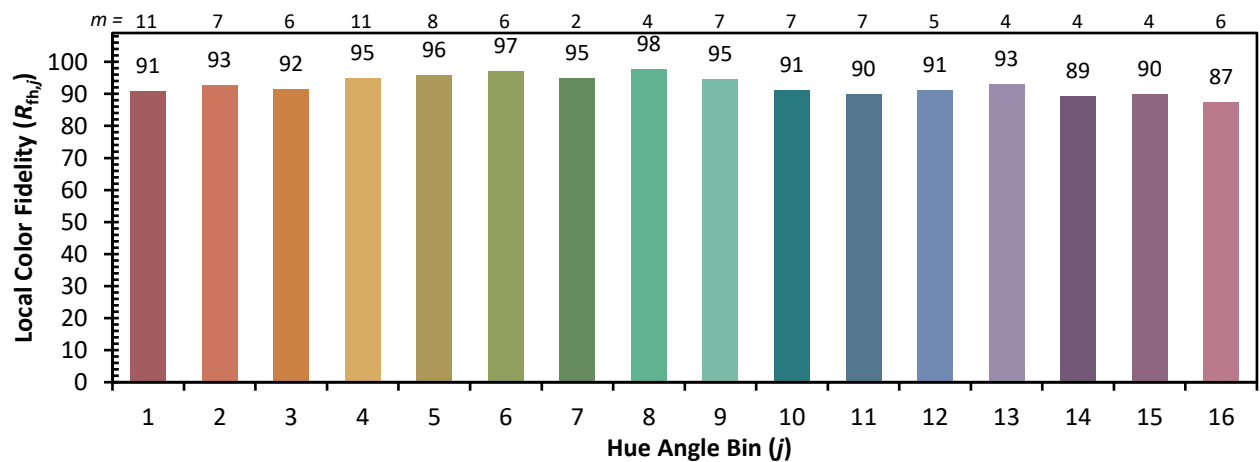
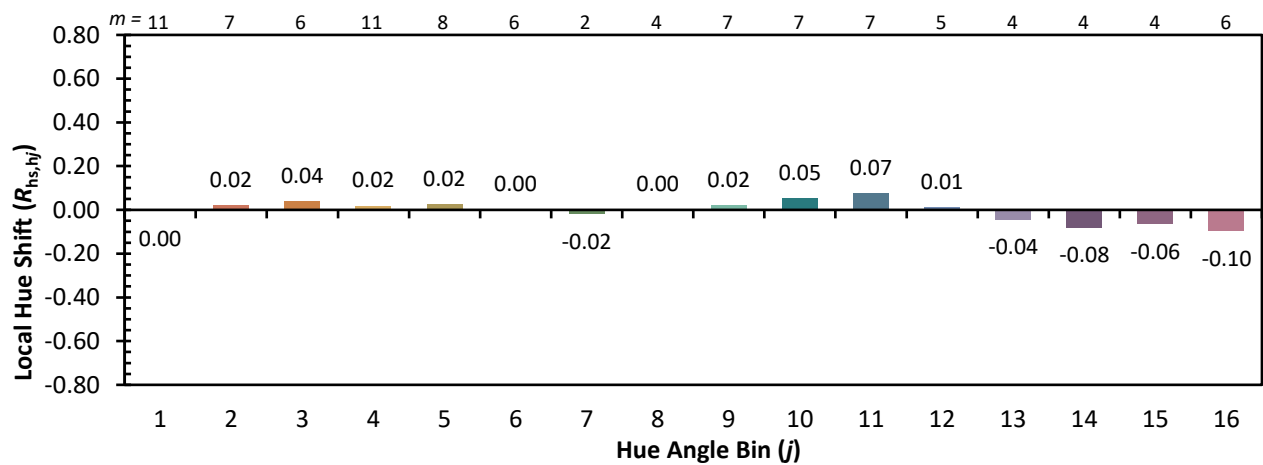
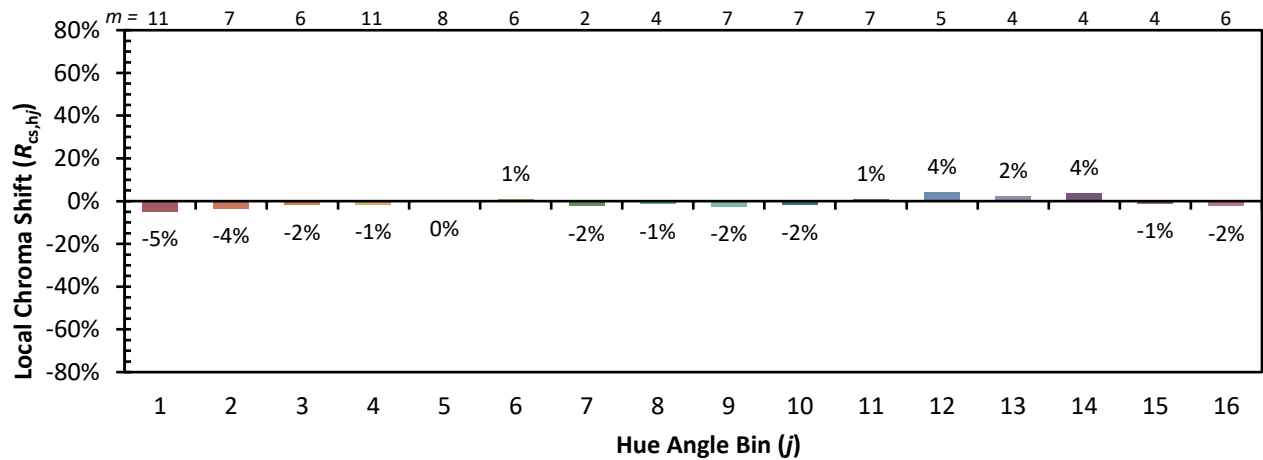
Color Vector Graphics



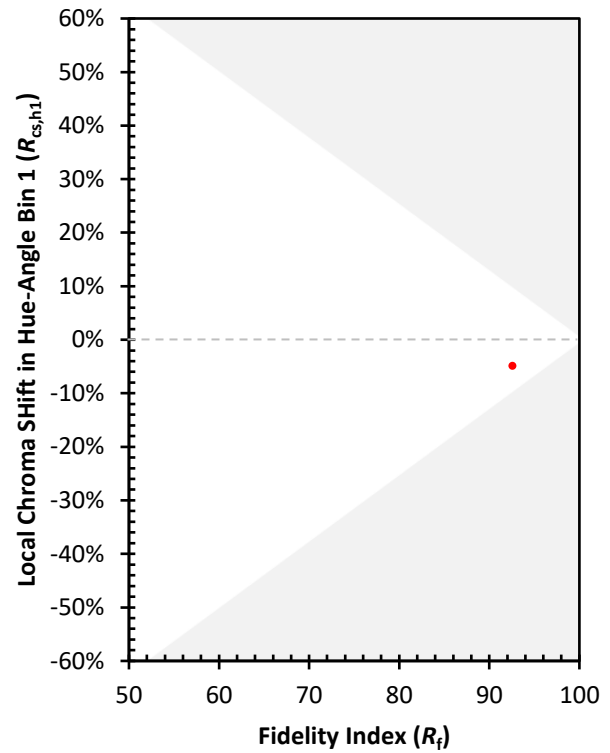
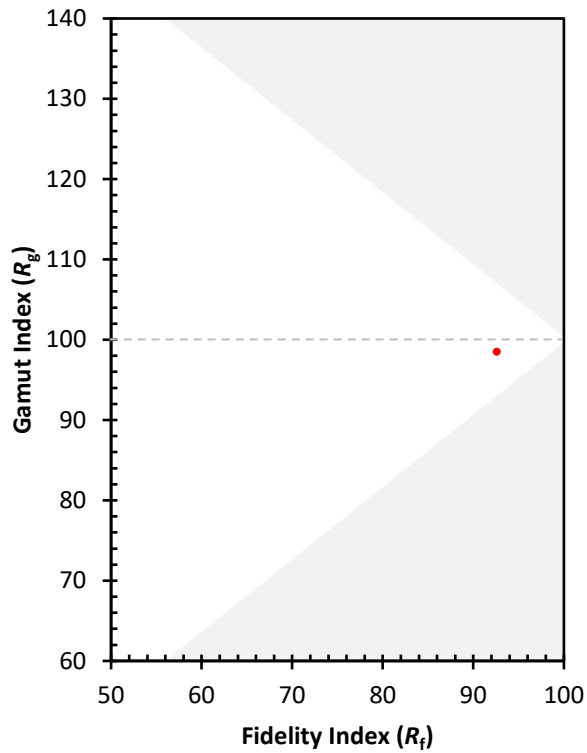
Individual Sample Fidelity Index ($R_{f,i}$)

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)