

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: P1048718

Luminaire Tested: **GALN-SA4B-930-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048718
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-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12624.3 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - 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

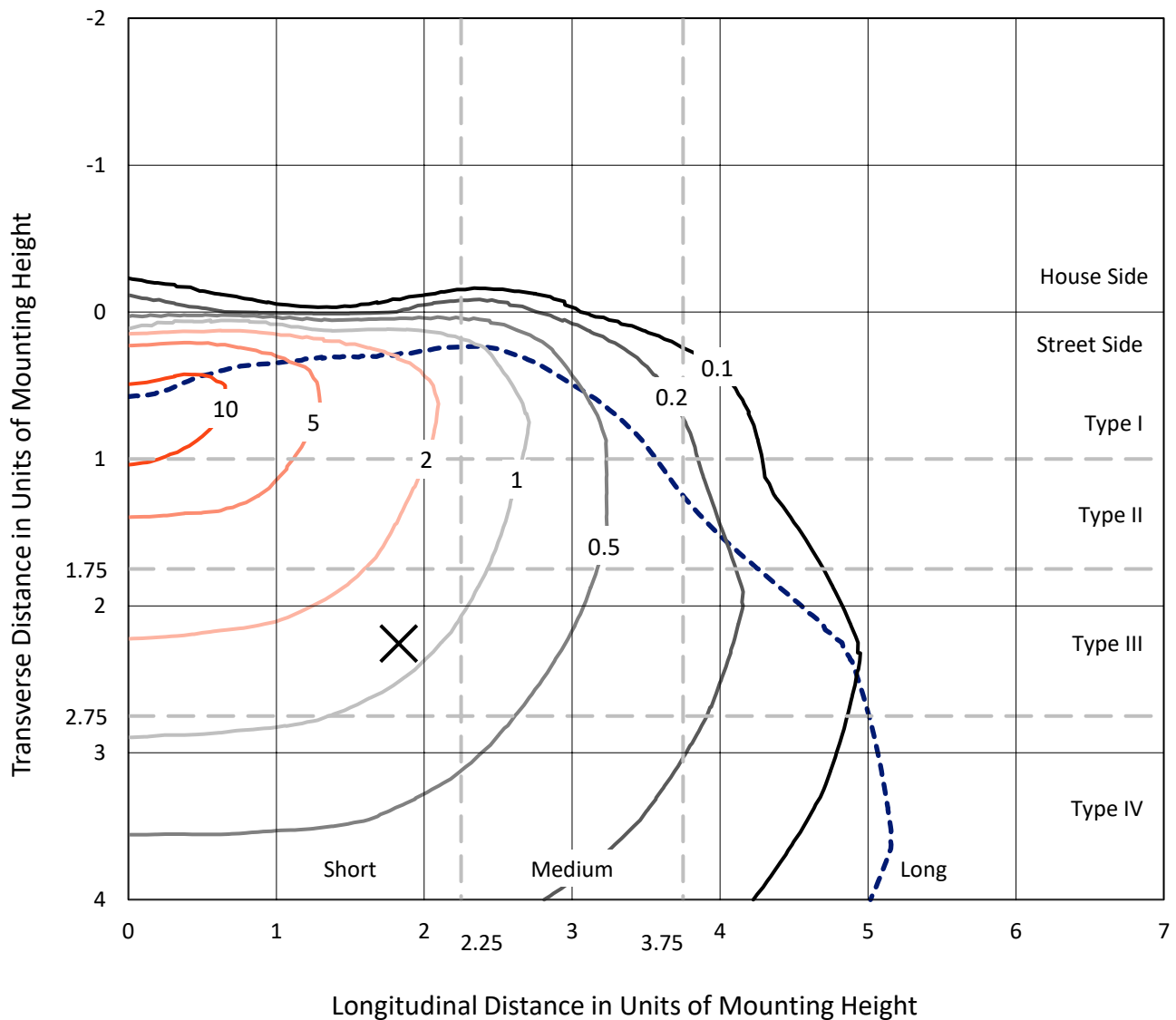


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

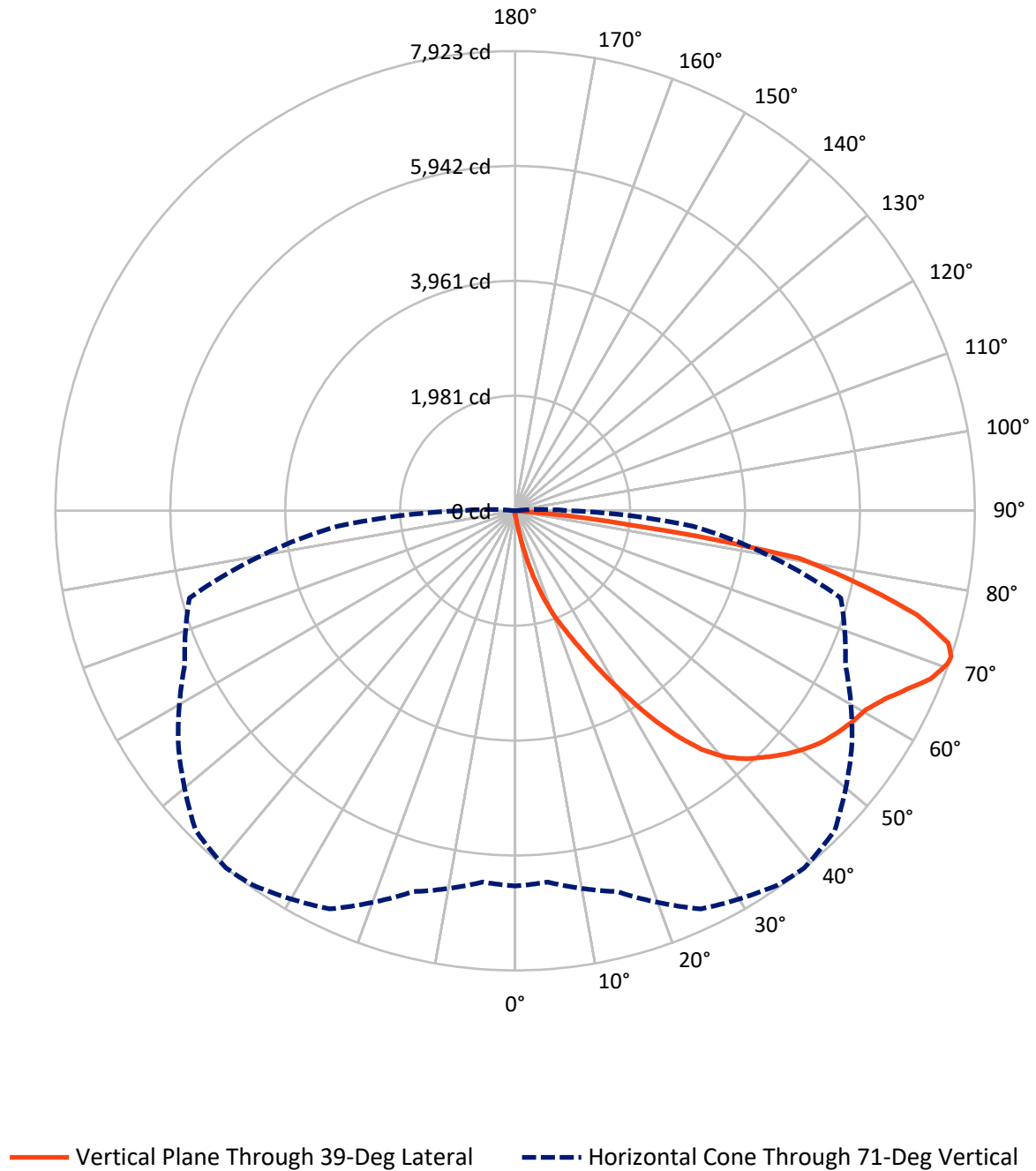


Based on 15 foot mounting height. Maximum calculated value = 13 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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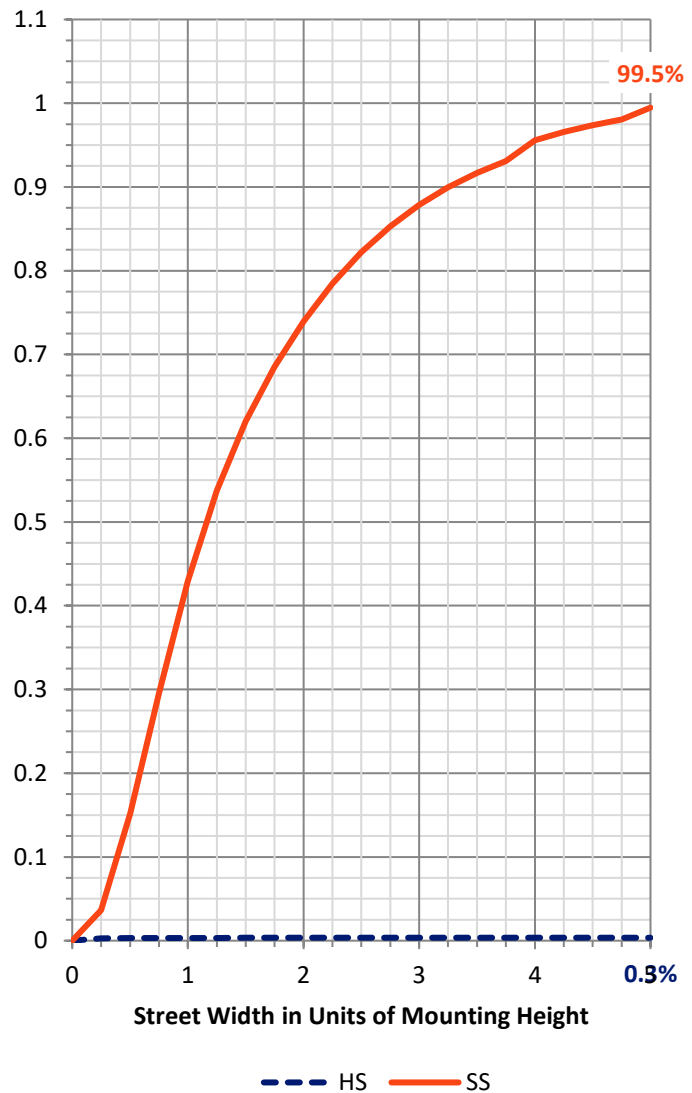
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	44.9	0.0	44.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12579.4	0.0	12579.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	12624.3	0.0	12624.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	134.9	1.1
20°-30°	480.5	3.8
30°-40°	1158.1	9.2
40°-50°	1938.1	15.4
50°-60°	2489.3	19.7
60°-70°	3150.2	25.0
70°-80°	2808.5	22.2
80°-90°	454.0	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°	12624.3	100.0
0°-180°	12624.3	100.0



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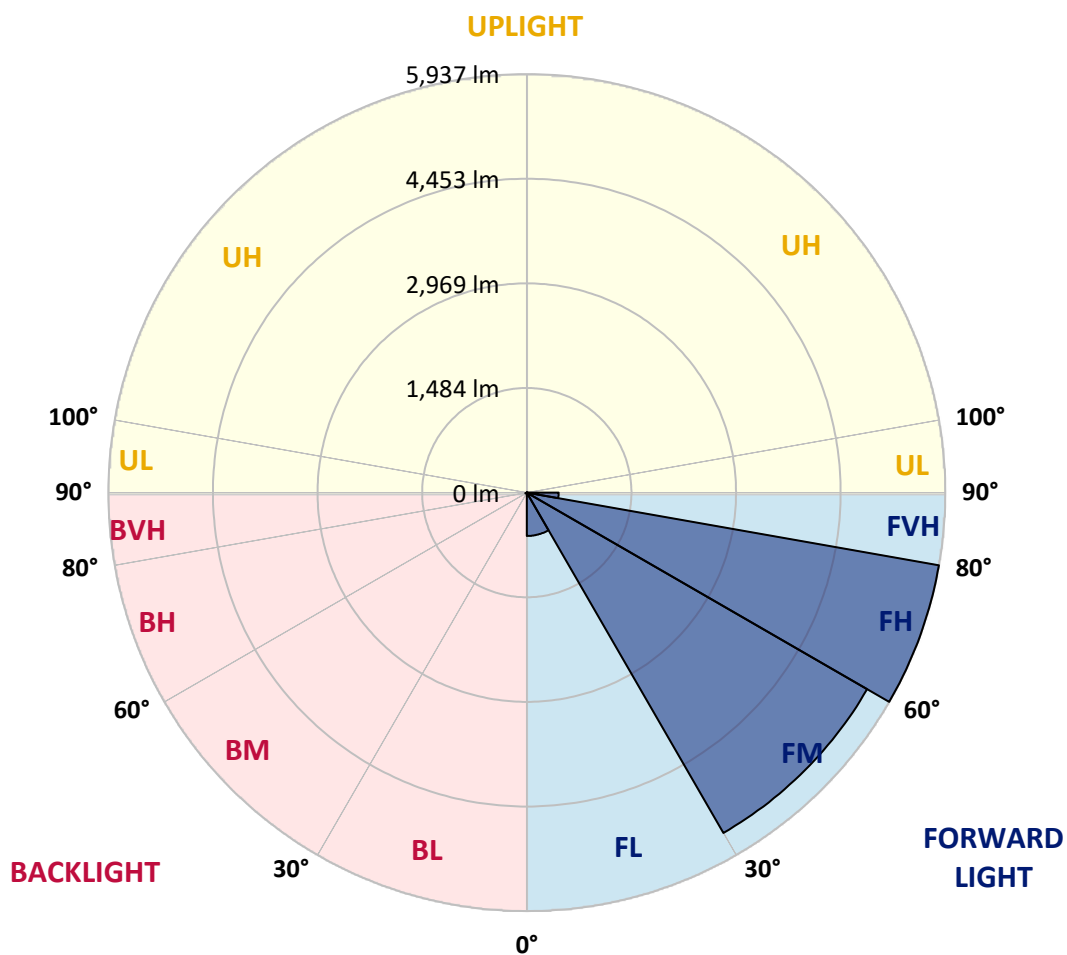
CATALOG NUMBER: GALN-SA4B-930-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	615.1	4.9			
FM	(30°-60°)	5575.1	44.2			
FH	(60°-80°)	5937.2	47.0			G3/7500
FVH	(80°-90°)	451.9	3.6			G3/500
BL	(0°-30°)	10.8	0.1	B0/110		
BM	(30°-60°)	10.4	0.1	B0/220		
BH	(60°-80°)	21.6	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2.5°	79.5	79.5	79.5	76.9	76.9	76.1	75.2	75.2	73.5	72.6	70.9
5°	120.5	117.9	112.0	108.5	101.7	97.4	93.2	87.2	81.2	76.9	71.8
7.5°	272.6	278.6	258.9	222.2	184.6	168.4	141.0	113.7	94.0	81.2	72.6
10°	694.8	691.4	624.7	551.2	425.6	375.2	294.0	185.4	121.4	88.9	73.5
12.5°	1181.9	1178.5	1099.9	999.9	834.1	729.0	575.1	346.1	174.3	100.8	73.5
15°	1591.3	1577.6	1552.8	1453.7	1259.7	1171.6	968.3	611.9	282.0	121.4	75.2
17.5°	1862.2	1850.2	1827.1	1791.2	1668.2	1563.9	1400.7	961.4	456.4	157.2	78.6
20°	2110.8	2102.3	2083.5	2076.7	1997.2	1941.6	1806.6	1363.1	711.0	213.6	83.8
22.5°	2452.7	2434.7	2442.4	2401.4	2323.6	2257.0	2174.1	1783.5	1022.1	307.7	93.2
25°	2871.4	2862.9	2841.5	2812.5	2704.8	2646.7	2519.3	2180.1	1369.9	430.7	103.4
27.5°	3377.4	3368.0	3362.8	3296.2	3172.3	3109.0	2931.3	2554.4	1761.3	603.3	117.1
30°	3960.2	3964.5	3931.1	3845.7	3701.2	3612.4	3429.5	2946.6	2162.1	805.9	131.6
32.5°	4563.5	4555.0	4503.7	4402.9	4273.8	4190.9	3958.5	3376.5	2582.6	1073.4	148.7
35°	5213.9	5197.6	5062.6	4947.2	4837.0	4732.7	4520.8	3875.6	3003.0	1373.3	171.8
37.5°	5870.2	5794.1	5523.2	5377.1	5301.0	5215.6	5018.2	4408.0	3420.9	1708.3	200.0
40°	6365.9	6306.9	5985.6	5716.4	5655.7	5583.1	5436.1	4867.8	3865.3	2068.1	234.2
42.5°	6640.2	6607.7	6318.9	6053.1	5910.4	5846.3	5720.7	5269.4	4304.6	2465.5	283.7
45°	6757.3	6706.9	6513.7	6389.8	6162.5	6056.5	5907.0	5572.8	4763.5	2916.7	352.9
47.5°	6721.4	6692.3	6553.9	6599.2	6434.2	6269.3	6049.7	5805.3	5155.8	3434.6	447.8
50°	6495.8	6471.0	6428.3	6673.5	6653.0	6458.2	6234.3	5989.0	5476.2	3968.7	594.8
52.5°	6066.8	6056.5	6165.9	6615.4	6776.9	6624.8	6412.0	6151.4	5775.3	4526.8	805.0
55°	5513.8	5555.7	5868.5	6524.8	6840.2	6747.9	6569.3	6303.5	6015.5	5025.9	1115.2
57.5°	5286.5	5297.6	5688.2	6460.7	6868.4	6856.4	6722.2	6448.8	6236.0	5425.0	1588.7
60°	5552.3	5535.2	5741.2	6509.4	6924.8	6953.8	6858.1	6583.8	6427.4	5767.7	2219.4
62.5°	6032.6	6023.2	6089.0	6717.1	7089.7	7148.7	7047.0	6681.2	6596.6	5993.3	2939.0
65°	6461.6	6441.9	6564.1	7085.4	7379.4	7421.3	7332.4	6847.9	6671.0	6157.4	3614.9
67.5°	6647.0	6642.8	6839.3	7435.8	7683.7	7729.0	7651.2	7077.8	6653.9	6209.5	3913.2
70°	6562.4	6546.2	6860.7	7584.5	7855.4	7906.7	7831.5	7163.2	6468.4	6044.5	3471.4
71°	6469.3	6425.7	6796.6	7574.3	7879.4	7922.9	7791.3	7085.4	6282.1	5810.4	3070.6
72.5°	6180.4	6188.1	6620.5	7467.4	7822.1	7809.3	7564.0	6806.8	6057.4	5278.8	2466.4
75°	5469.4	5514.7	6050.5	7018.8	7311.1	7147.8	6772.7	6274.4	5606.1	3785.0	1712.6
77.5°	4469.5	4537.0	5125.9	6155.6	6072.7	6056.5	6041.1	5528.4	4787.4	2033.1	1191.3
80°	2133.9	2280.1	3091.9	4394.3	4773.8	4957.5	4842.1	4455.0	3702.1	968.3	711.9
82.5°	139.3	137.6	194.8	369.2	1556.2	2011.7	3196.2	3184.2	2580.9	471.7	290.6
85°	65.8	67.5	74.3	84.6	98.3	107.7	148.7	871.7	1234.9	224.8	63.2
87.5°	38.5	39.3	46.1	59.0	76.9	85.5	101.7	130.8	160.7	123.9	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

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CATALOG NUMBER: GALN-SA4B-930-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2.5°	70.1	69.2	66.7	64.1	61.5	59.8	59.0	59.8	59.8	60.7	60.7
5°	70.1	67.5	63.2	58.1	54.7	51.3	49.6	48.7	49.6	49.6	49.6
7.5°	69.2	64.9	59.0	53.0	48.7	44.4	42.7	41.9	41.9	42.7	42.7
10°	67.5	63.2	55.5	48.7	43.6	38.5	35.9	33.3	33.3	33.3	34.2
12.5°	66.7	60.7	51.3	44.4	37.6	31.6	26.5	23.9	24.8	24.8	24.8
15°	64.9	58.1	48.7	40.2	31.6	23.9	19.7	17.1	17.9	18.8	17.9
17.5°	64.9	57.3	45.3	35.0	24.8	17.9	14.5	12.8	12.8	13.7	13.7
20°	64.9	55.5	42.7	29.9	18.8	13.7	10.3	9.4	9.4	11.1	12.0
22.5°	66.7	55.5	39.3	24.8	15.4	10.3	7.7	6.8	7.7	9.4	10.3
25°	69.2	54.7	35.9	22.2	12.8	7.7	6.0	4.3	5.1	6.8	7.7
27.5°	71.8	53.8	32.5	19.7	10.3	6.0	4.3	3.4	2.6	3.4	3.4
30°	74.3	53.8	29.1	16.2	8.5	4.3	2.6	1.7	0.9	0.0	0.0
32.5°	76.1	52.1	26.5	12.8	6.8	3.4	1.7	0.9	0.0	0.0	0.0
35°	77.8	50.4	23.1	10.3	5.1	2.6	0.9	0.0	0.0	0.0	0.0
37.5°	79.5	47.9	19.7	8.5	4.3	1.7	0.0	0.0	0.0	0.0	0.0
40°	81.2	44.4	16.2	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	82.9	41.9	13.7	6.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	87.2	40.2	11.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	94.9	38.5	10.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	106.0	36.7	9.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	121.4	35.9	8.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	148.7	35.0	7.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	195.7	34.2	7.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	300.0	32.5	7.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	535.8	31.6	6.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	934.1	32.5	6.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1339.1	34.2	6.0	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	1146.0	29.9	6.0	3.4	1.7	0.9	0.0	0.0	0.0	0.0	0.0
71°	934.1	26.5	6.0	3.4	1.7	0.9	0.9	0.0	0.0	0.0	0.0
72.5°	600.8	20.5	5.1	3.4	1.7	1.7	0.9	0.0	0.0	0.0	0.0
75°	253.8	17.1	5.1	3.4	2.6	1.7	1.7	0.9	0.0	0.0	0.0
77.5°	108.5	12.8	5.1	4.3	3.4	2.6	2.6	1.7	0.9	0.0	0.0
80°	41.0	10.3	6.0	5.1	4.3	4.3	3.4	1.7	0.9	0.0	0.0
82.5°	18.8	8.5	6.0	5.1	5.1	4.3	3.4	2.6	1.7	0.0	0.0
85°	12.0	7.7	6.0	5.1	5.1	4.3	4.3	2.6	1.7	0.0	0.0
87.5°	9.4	7.7	6.0	6.0	5.1	5.1	3.4	2.6	0.9	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

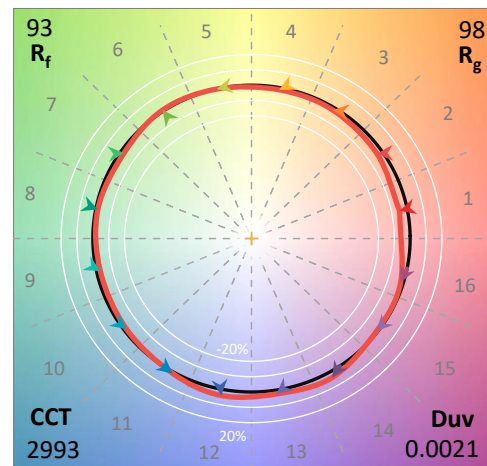
Test Information

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

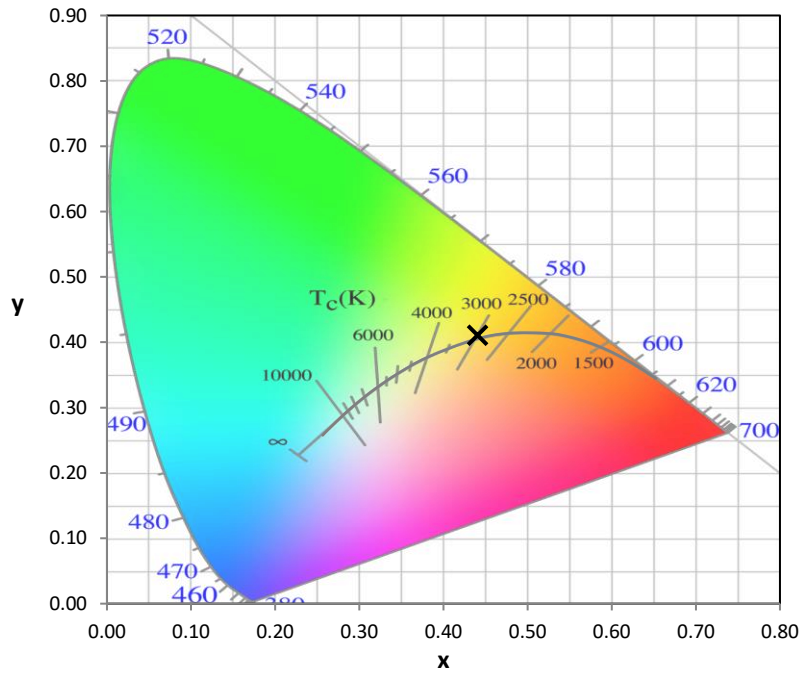
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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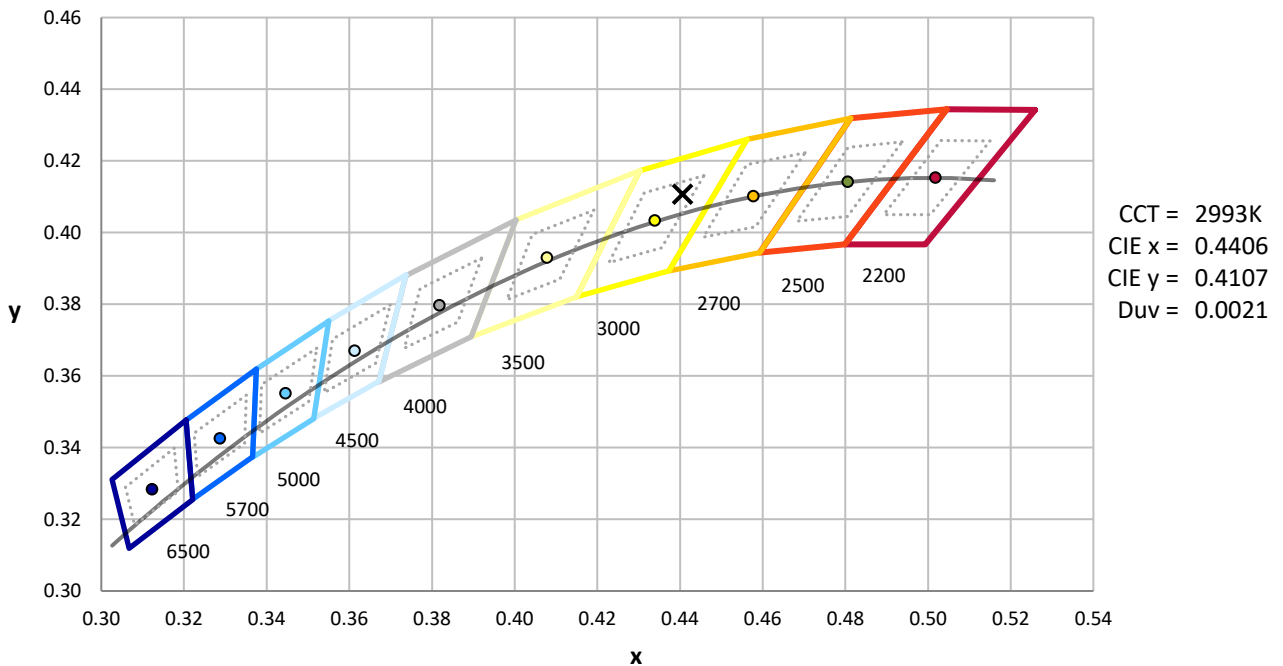
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



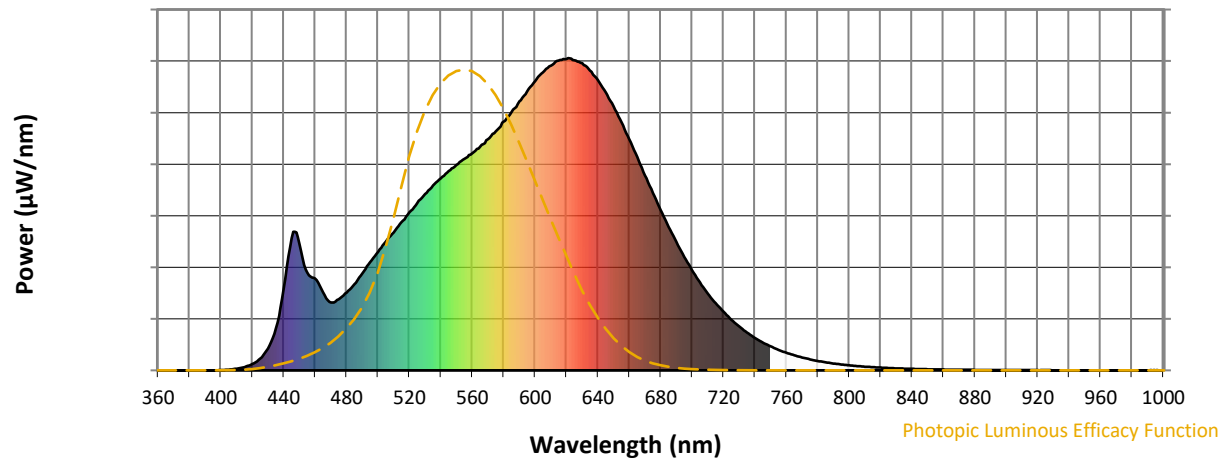
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

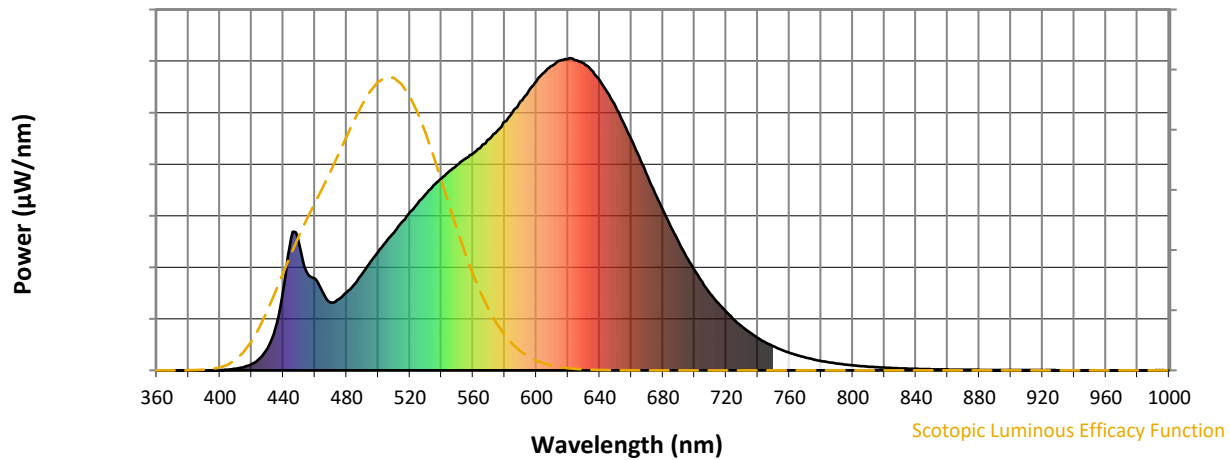


Photopic Lumens: NR

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



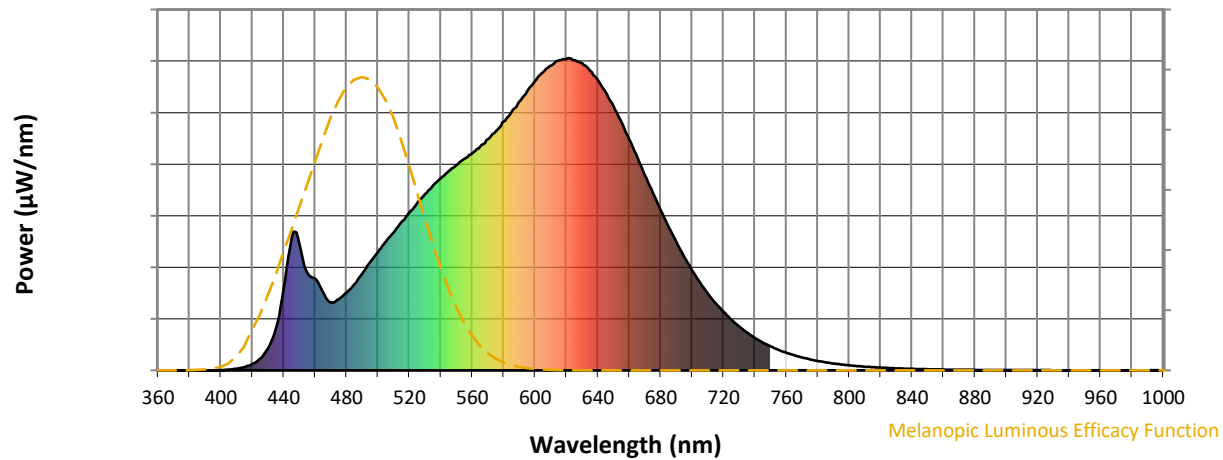
Scotopic Lumens: NR

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

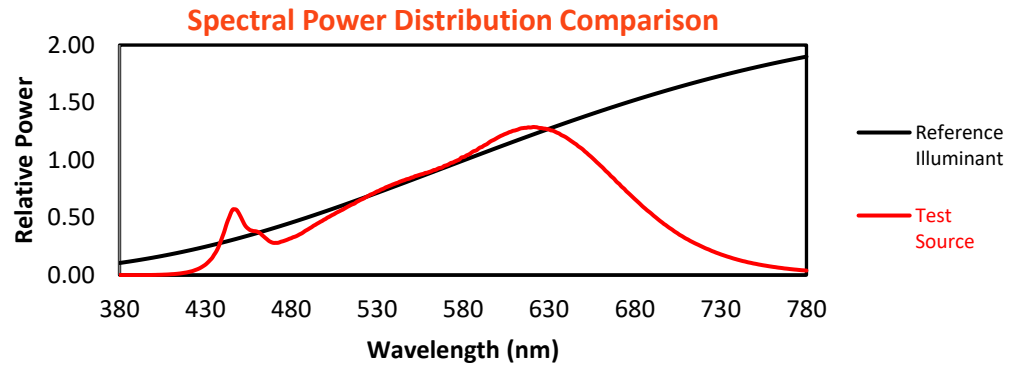
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310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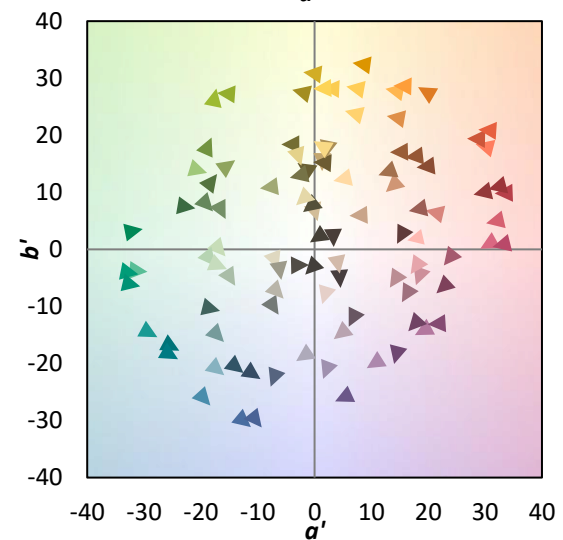
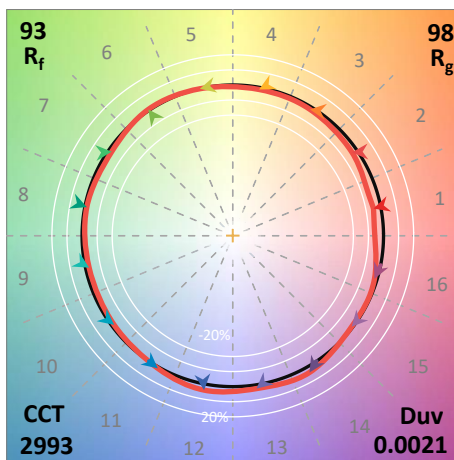
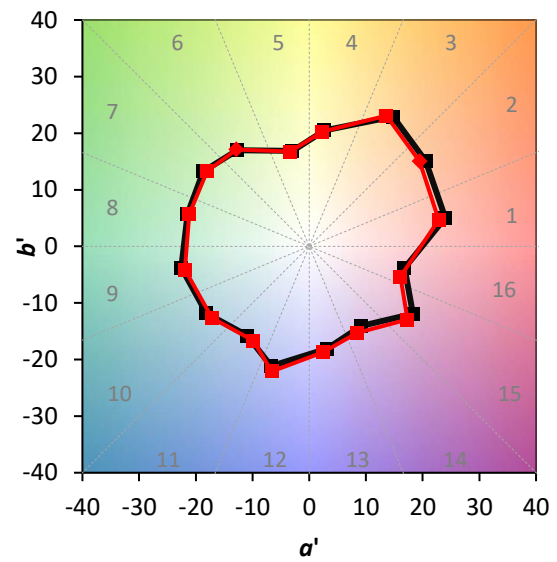
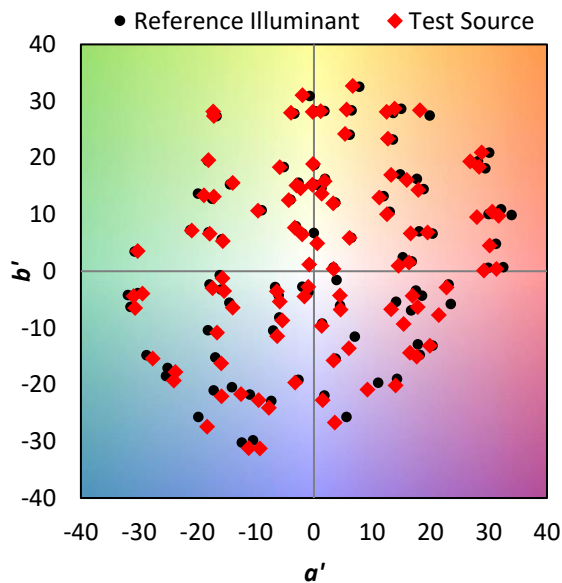
TM-30-18

Summary

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

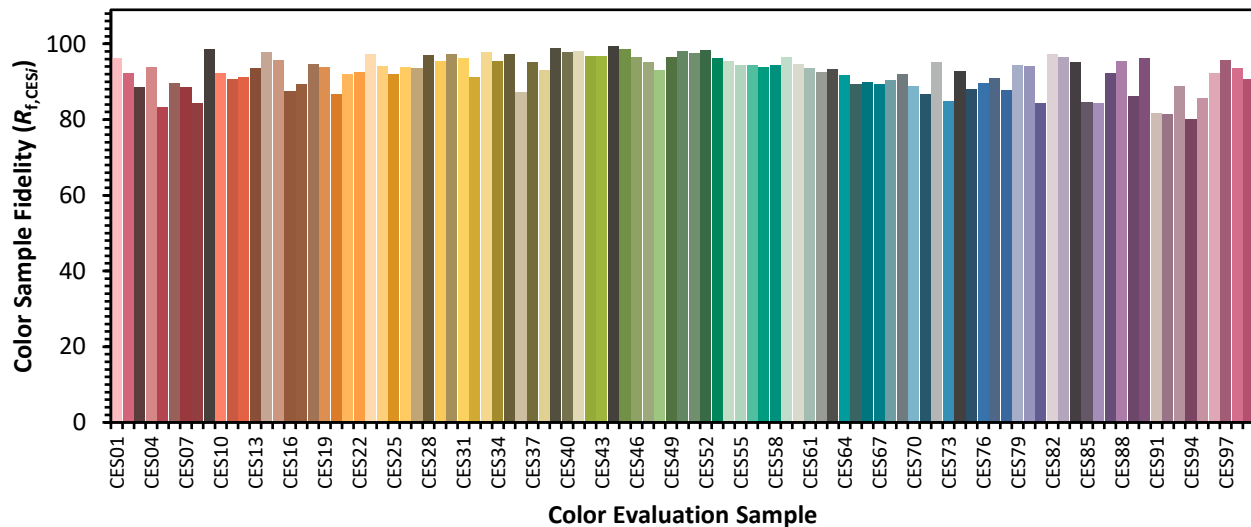


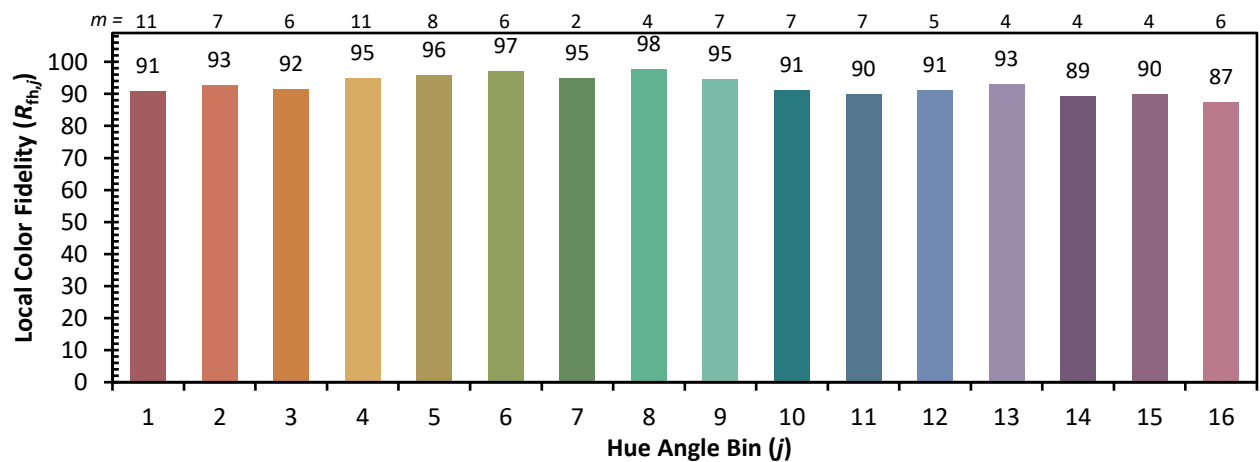
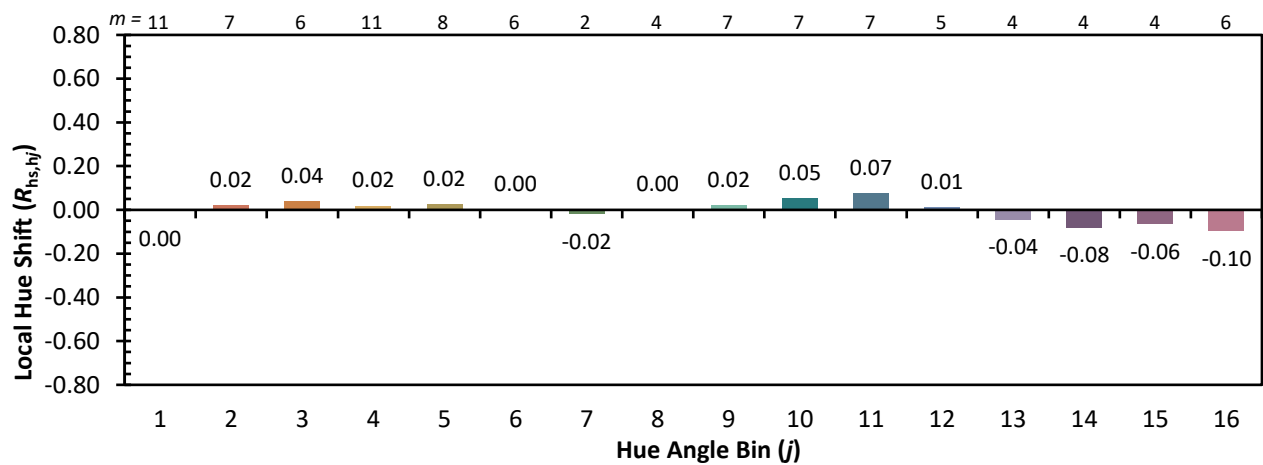
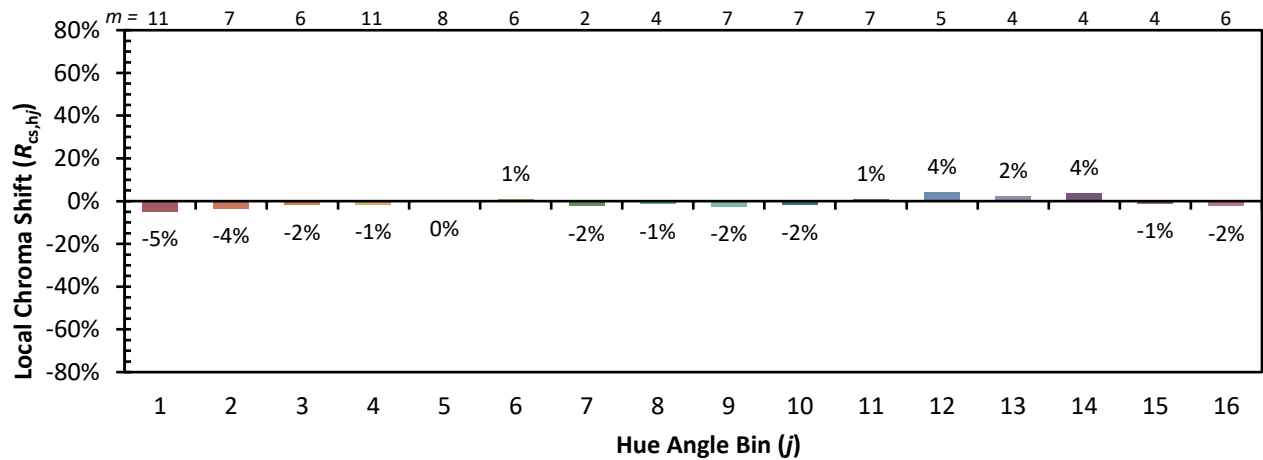
Color Vector Graphics



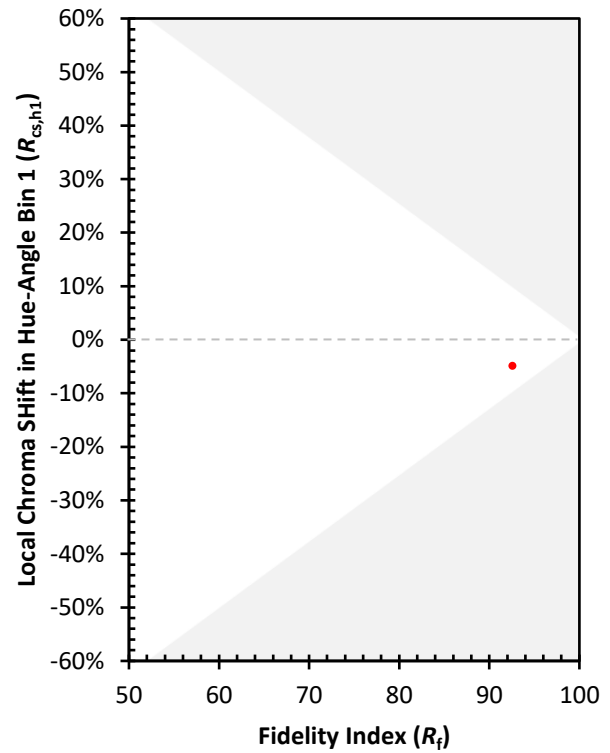
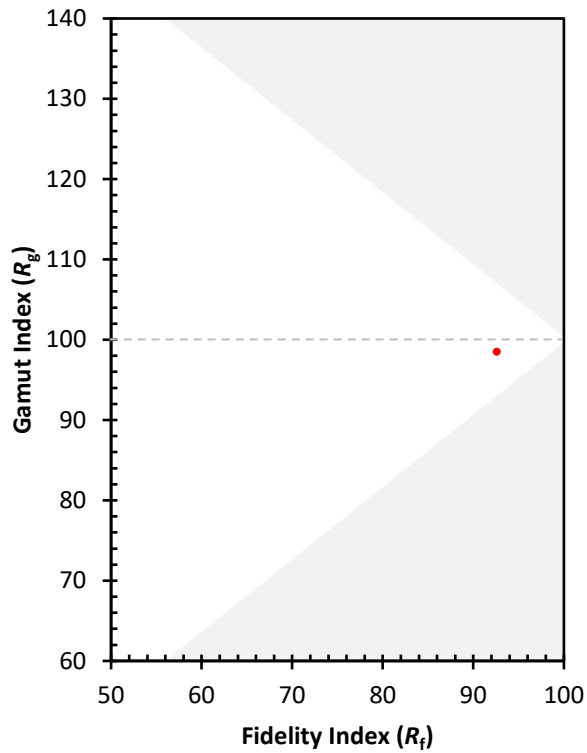
Individual Sample Fidelity Index ($R_{f,i}$)

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)