

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: P1048833

Luminaire Tested: **GALN-SA6A-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048833
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6A-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 6xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (84) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17088.9 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 162.9
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

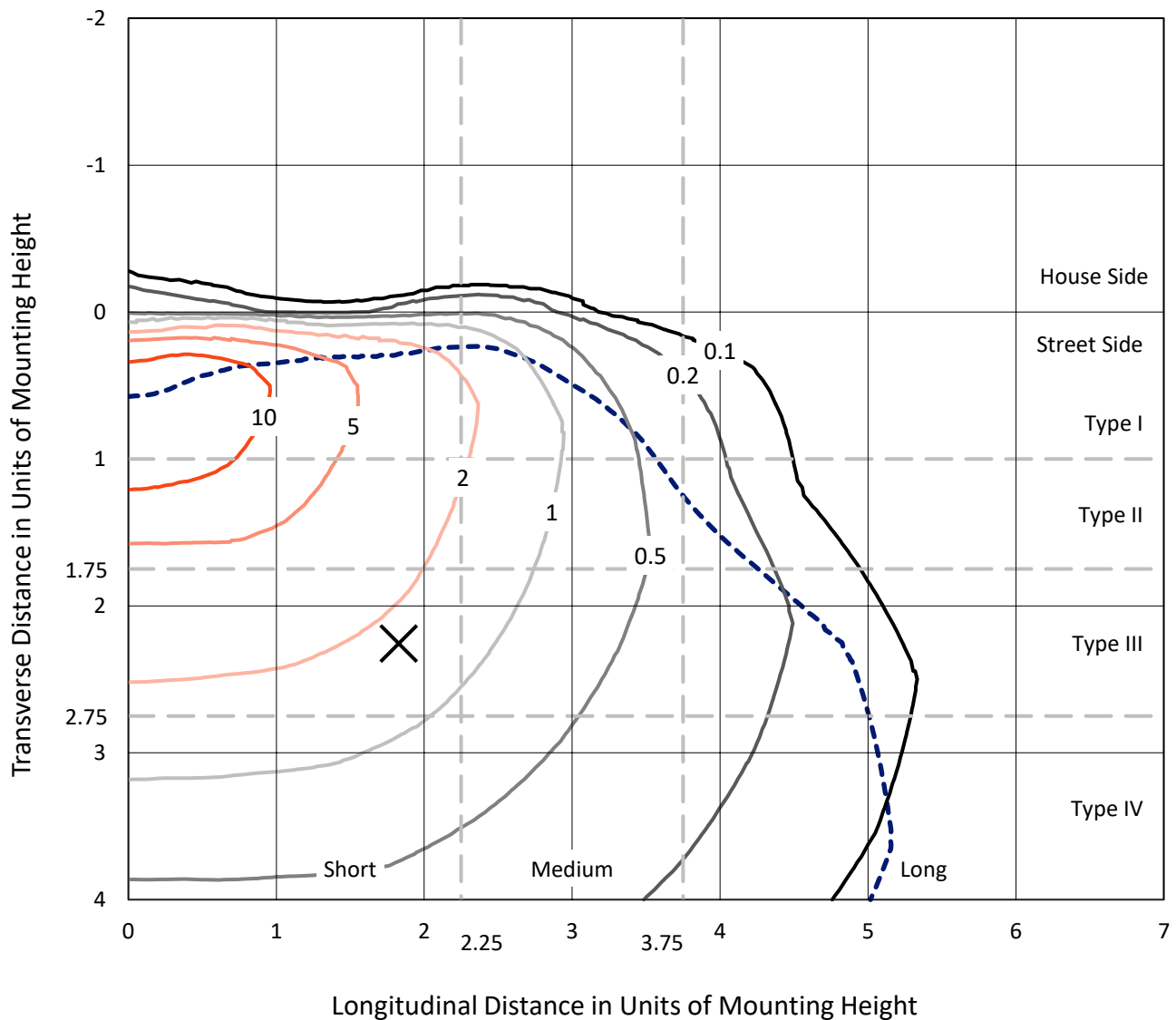


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

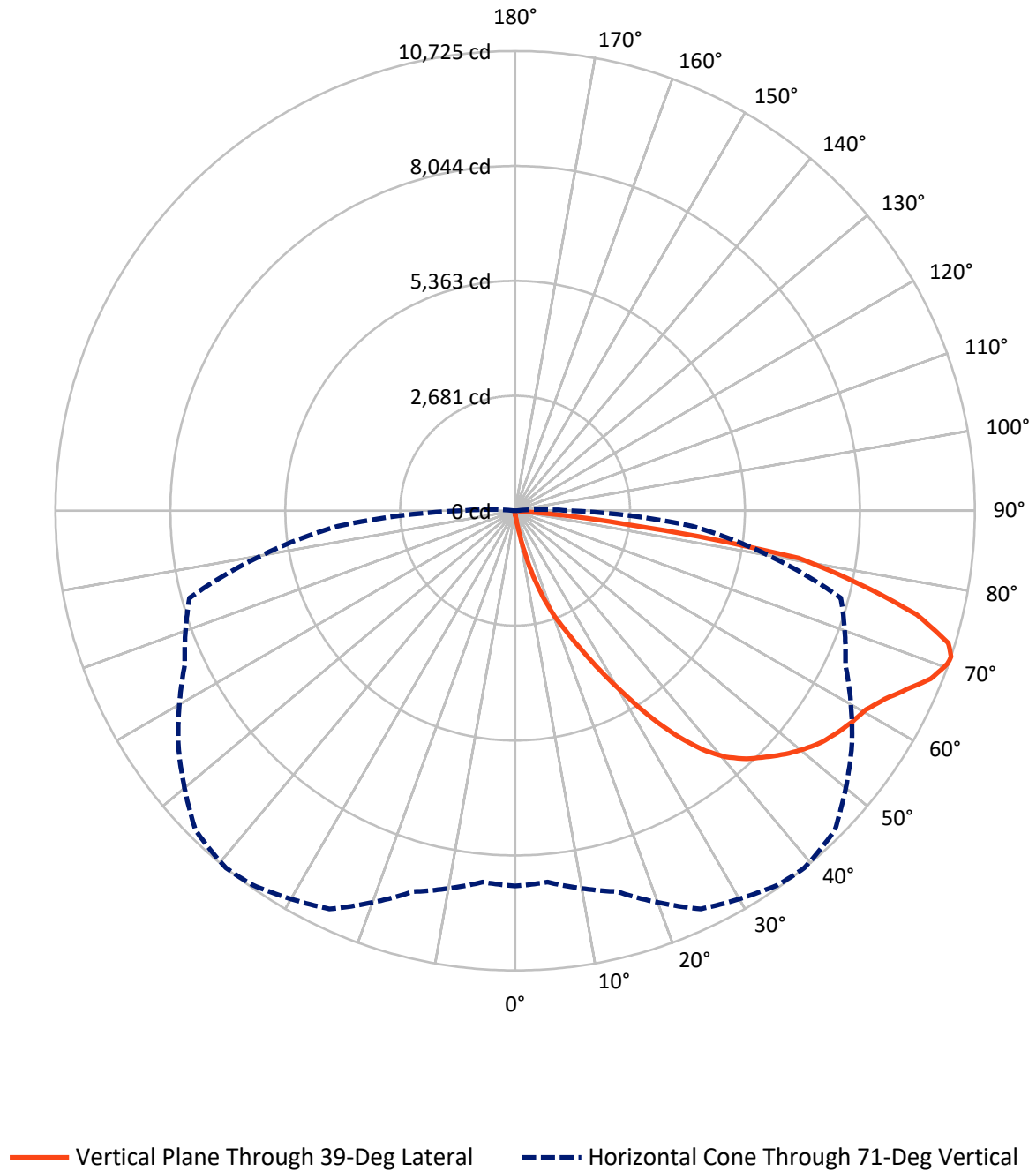


Based on 15 foot mounting height. Maximum calculated value = 17.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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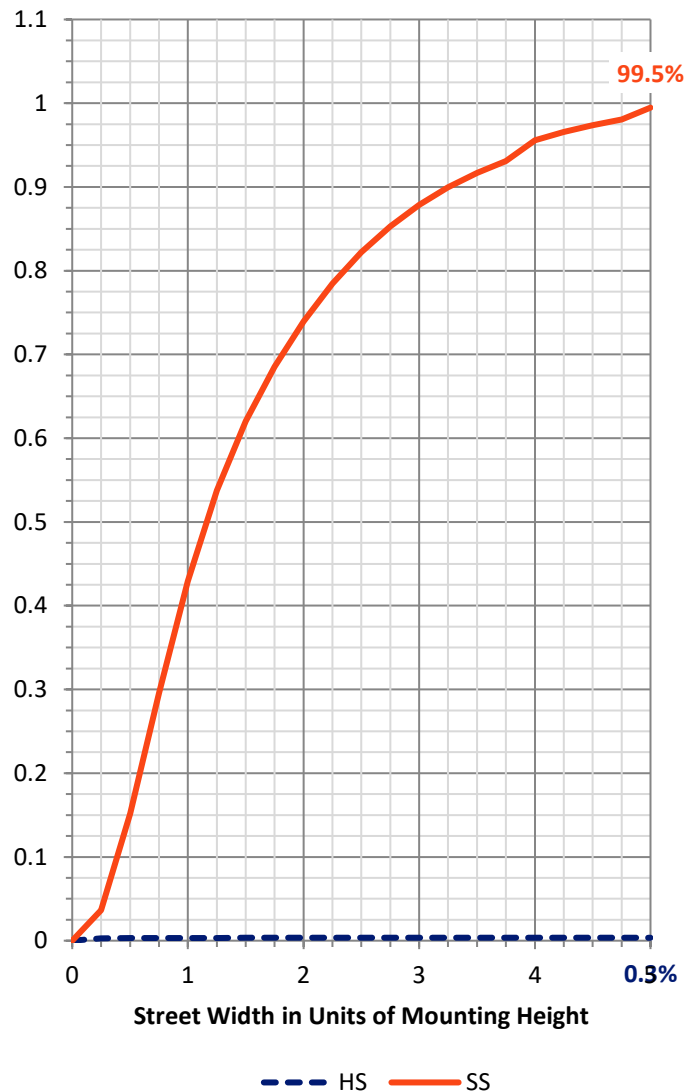
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	60.7	0.0	60.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17028.2	0.0	17028.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	17088.9	0.0	17088.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.1
10°-20°	182.6	1.1
20°-30°	650.5	3.8
30°-40°	1567.6	9.2
40°-50°	2623.6	15.4
50°-60°	3369.7	19.7
60°-70°	4264.3	25.0
70°-80°	3801.8	22.2
80°-90°	614.5	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°	17088.9	100.0
0°-180°	17088.9	100.0



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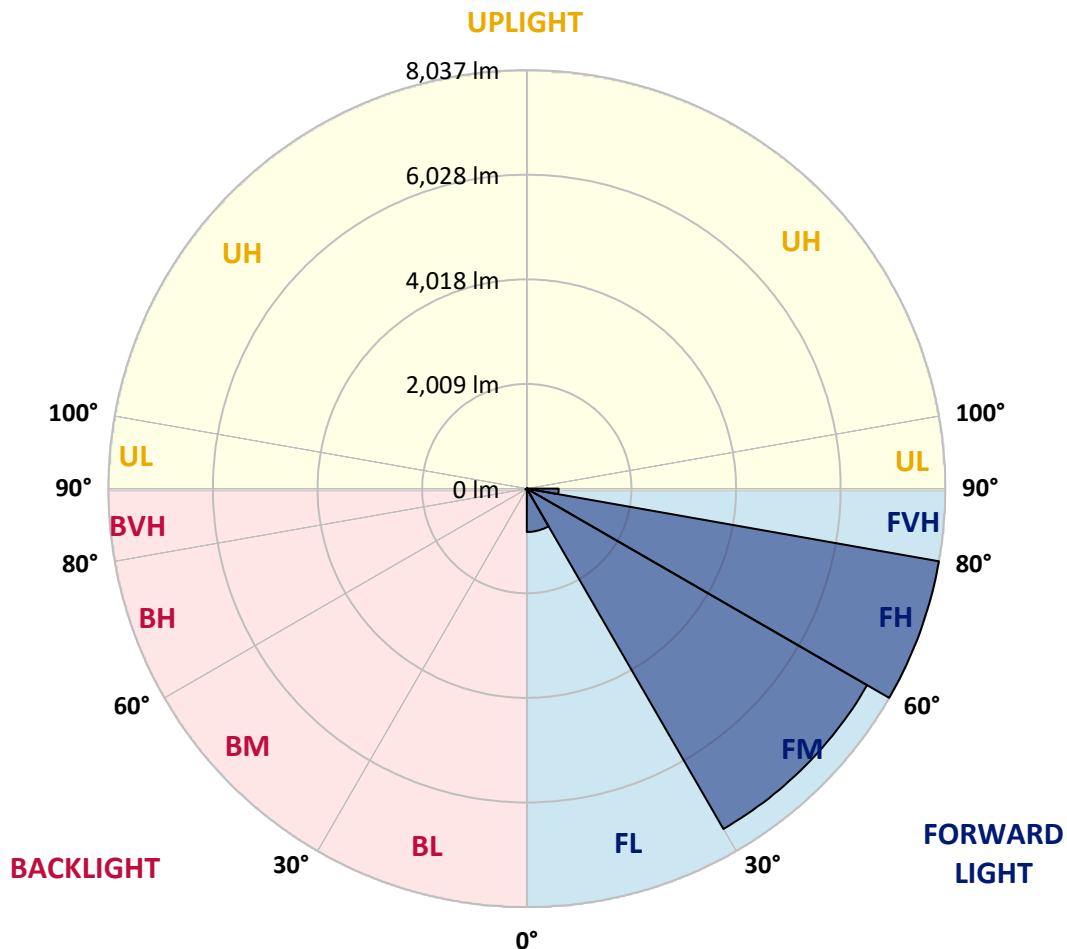
CATALOG NUMBER: GALN-SA6A-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	832.7	4.9			
FM	(30°-60°)	7546.8	44.2			
FH	(60°-80°)	8037.0	47.0			G4/12000
FVH	(80°-90°)	611.8	3.6			G4/750
BL	(0°-30°)	14.7	0.1	B0/110		
BM	(30°-60°)	14.1	0.1	B0/220		
BH	(60°-80°)	29.2	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°	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
2.5°	107.6	107.6	107.6	104.1	104.1	103.0	101.8	101.8	99.5	98.3	96.0
5°	163.1	159.6	151.5	146.9	137.7	131.9	126.1	118.0	109.9	104.1	97.2
7.5°	369.0	377.1	350.5	300.8	249.9	227.9	190.9	153.9	127.3	109.9	98.3
10°	940.5	935.9	845.6	746.2	576.1	507.8	397.9	251.0	164.3	120.3	99.5
12.5°	1599.9	1595.3	1488.8	1353.5	1129.1	986.8	778.5	468.5	236.0	136.5	99.5
15°	2154.0	2135.5	2102.0	1967.8	1705.2	1586.0	1310.7	828.3	381.8	164.3	101.8
17.5°	2520.7	2504.5	2473.3	2424.7	2258.1	2117.0	1896.0	1301.4	617.7	212.9	106.4
20°	2857.4	2845.8	2820.4	2811.1	2703.5	2628.3	2445.5	1845.1	962.5	289.2	113.4
22.5°	3320.1	3295.8	3306.2	3250.7	3145.4	3055.2	2943.0	2414.3	1383.6	416.5	126.1
25°	3886.9	3875.4	3846.5	3807.1	3661.4	3582.7	3410.3	2951.1	1854.4	583.0	140.0
27.5°	4571.8	4559.1	4552.1	4461.9	4294.2	4208.5	3967.9	3457.8	2384.2	816.7	158.5
30°	5360.8	5366.5	5321.4	5205.7	5010.2	4889.9	4642.4	3988.8	2926.8	1090.9	178.2
32.5°	6177.5	6165.9	6096.5	5960.0	5785.3	5673.1	5358.4	4570.6	3495.9	1453.0	201.3
35°	7057.8	7035.8	6853.1	6696.9	6547.7	6406.5	6119.6	5246.2	4065.1	1859.0	232.5
37.5°	7946.3	7843.3	7476.6	7278.8	7175.8	7060.1	6792.9	5966.9	4630.8	2312.5	270.7
40°	8617.2	8537.4	8102.4	7738.0	7655.9	7557.6	7358.6	6589.3	5232.3	2799.5	317.0
42.5°	8988.6	8944.6	8553.6	8193.8	8000.6	7913.9	7743.8	7133.0	5827.0	3337.5	384.1
45°	9147.1	9078.8	8817.4	8649.6	8341.9	8198.5	7996.0	7543.7	6448.2	3948.3	477.8
47.5°	9098.5	9059.1	8871.7	8933.0	8709.8	8486.5	8189.2	7858.3	6979.2	4649.3	606.2
50°	8793.1	8759.5	8701.7	9033.7	9005.9	8742.2	8439.1	8107.1	7413.0	5372.3	805.2
52.5°	8212.3	8198.5	8346.5	8955.0	9173.7	8967.7	8679.7	8326.9	7817.9	6127.7	1089.7
55°	7463.9	7520.6	7944.0	8832.4	9259.3	9134.3	8892.6	8532.8	8142.9	6803.3	1509.7
57.5°	7156.2	7171.2	7699.9	8745.6	9297.4	9281.2	9099.6	8729.4	8441.4	7343.6	2150.5
60°	7515.9	7492.8	7771.6	8811.6	9373.8	9413.1	9283.6	8912.2	8700.5	7807.4	3004.3
62.5°	8166.1	8153.3	8242.4	9092.7	9597.1	9676.9	9539.2	9044.1	8929.6	8112.9	3978.3
65°	8746.8	8720.2	8885.6	9591.3	9989.2	10045.9	9925.6	9269.7	9030.2	8335.0	4893.4
67.5°	8997.8	8992.0	9258.1	10065.6	10401.1	10462.4	10357.1	9580.9	9007.1	8405.5	5297.1
70°	8883.3	8861.3	9287.0	10266.9	10633.6	10703.0	10601.2	9696.6	8756.0	8182.3	4699.0
71°	8757.2	8698.2	9200.3	10253.0	10666.0	10725.0	10546.8	9591.3	8503.9	7865.3	4156.5
72.5°	8366.2	8376.6	8962.0	10108.4	10588.5	10571.1	10239.1	9214.2	8199.6	7145.7	3338.6
75°	7403.7	7465.0	8190.4	9501.0	9896.7	9675.7	9167.9	8493.4	7588.8	5123.6	2318.3
77.5°	6050.2	6141.6	6938.7	8332.6	8220.4	8198.5	8177.6	7483.5	6480.6	2752.1	1612.6
80°	2888.6	3086.4	4185.4	5948.4	6462.1	6710.8	6554.6	6030.6	5011.4	1310.7	963.6
82.5°	188.6	186.2	263.8	499.8	2106.6	2723.2	4326.5	4310.3	3493.6	638.6	393.3
85°	89.1	91.4	100.6	114.5	133.0	145.8	201.3	1180.0	1671.6	304.2	85.6
87.5°	52.1	53.2	62.5	79.8	104.1	115.7	137.7	177.0	217.5	167.7	18.5
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-SA6A-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
2.5°	94.9	93.7	90.2	86.8	83.3	81.0	79.8	81.0	81.0	82.1	82.1
5°	94.9	91.4	85.6	78.7	74.0	69.4	67.1	65.9	67.1	67.1	67.1
7.5°	93.7	87.9	79.8	71.7	65.9	60.2	57.8	56.7	56.7	57.8	57.8
10°	91.4	85.6	75.2	65.9	59.0	52.1	48.6	45.1	45.1	45.1	46.3
12.5°	90.2	82.1	69.4	60.2	50.9	42.8	35.9	32.4	33.5	33.5	33.5
15°	87.9	78.7	65.9	54.4	42.8	32.4	26.6	23.1	24.3	25.5	24.3
17.5°	87.9	77.5	61.3	47.4	33.5	24.3	19.7	17.4	17.4	18.5	18.5
20°	87.9	75.2	57.8	40.5	25.5	18.5	13.9	12.7	12.7	15.0	16.2
22.5°	90.2	75.2	53.2	33.5	20.8	13.9	10.4	9.3	10.4	12.7	13.9
25°	93.7	74.0	48.6	30.1	17.4	10.4	8.1	5.8	6.9	9.3	10.4
27.5°	97.2	72.9	44.0	26.6	13.9	8.1	5.8	4.6	3.5	4.6	4.6
30°	100.6	72.9	39.3	22.0	11.6	5.8	3.5	2.3	1.2	0.0	0.0
32.5°	103.0	70.6	35.9	17.4	9.3	4.6	2.3	1.2	0.0	0.0	0.0
35°	105.3	68.3	31.2	13.9	6.9	3.5	1.2	0.0	0.0	0.0	0.0
37.5°	107.6	64.8	26.6	11.6	5.8	2.3	0.0	0.0	0.0	0.0	0.0
40°	109.9	60.2	22.0	10.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	112.2	56.7	18.5	8.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	118.0	54.4	15.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	128.4	52.1	13.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	143.4	49.7	12.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	164.3	48.6	11.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	201.3	47.4	10.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	264.9	46.3	10.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	406.0	44.0	10.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	725.3	42.8	9.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1264.4	44.0	9.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1812.8	46.3	8.1	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1551.3	40.5	8.1	4.6	2.3	1.2	0.0	0.0	0.0	0.0	0.0
71°	1264.4	35.9	8.1	4.6	2.3	1.2	1.2	0.0	0.0	0.0	0.0
72.5°	813.3	27.8	6.9	4.6	2.3	2.3	1.2	0.0	0.0	0.0	0.0
75°	343.6	23.1	6.9	4.6	3.5	2.3	2.3	1.2	0.0	0.0	0.0
77.5°	146.9	17.4	6.9	5.8	4.6	3.5	3.5	2.3	1.2	0.0	0.0
80°	55.5	13.9	8.1	6.9	5.8	5.8	4.6	2.3	1.2	0.0	0.0
82.5°	25.5	11.6	8.1	6.9	6.9	5.8	4.6	3.5	2.3	0.0	0.0
85°	16.2	10.4	8.1	6.9	6.9	5.8	5.8	3.5	2.3	0.0	0.0
87.5°	12.7	10.4	8.1	8.1	6.9	6.9	4.6	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: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

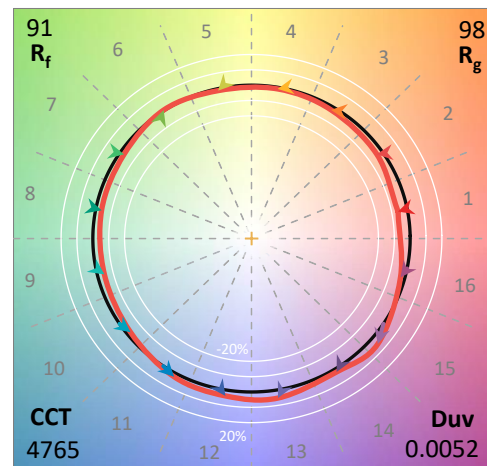
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 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-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4765
 CIE u' : 0.2105
 CIE v' : 0.4941
 Duv: 0.0052
 CIE x: 0.3536
 CIE y: 0.3689
 CIE z: 0.2775
 Peak Wavelength (nm): 449
 Dominant Wavelength (nm): 571
 Purity: 16.80041
 R_f: 90.7
 R_g: 98

CRI (Ra): 90.8
 R1: 89.8
 R2: 93.1
 R3: 95.3
 R4: 90.3
 R5: 89.0
 R6: 89.7
 R7: 94.9
 R8: 84.0
 R9: 54.9
 R10: 83.0
 R11: 89.6
 R12: 68.0
 R13: 90.6
 R14: 97.3
 R15: 86.2



Test Conditions

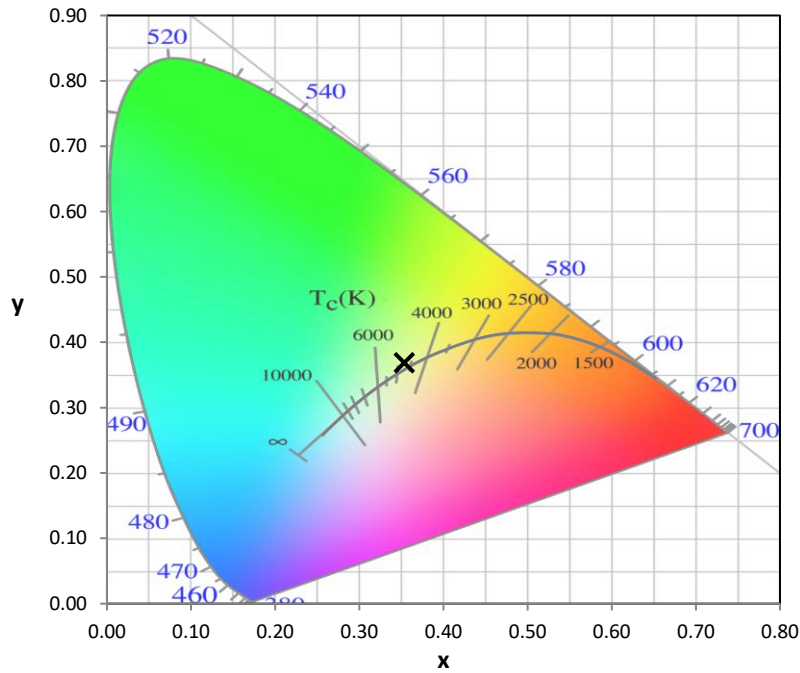
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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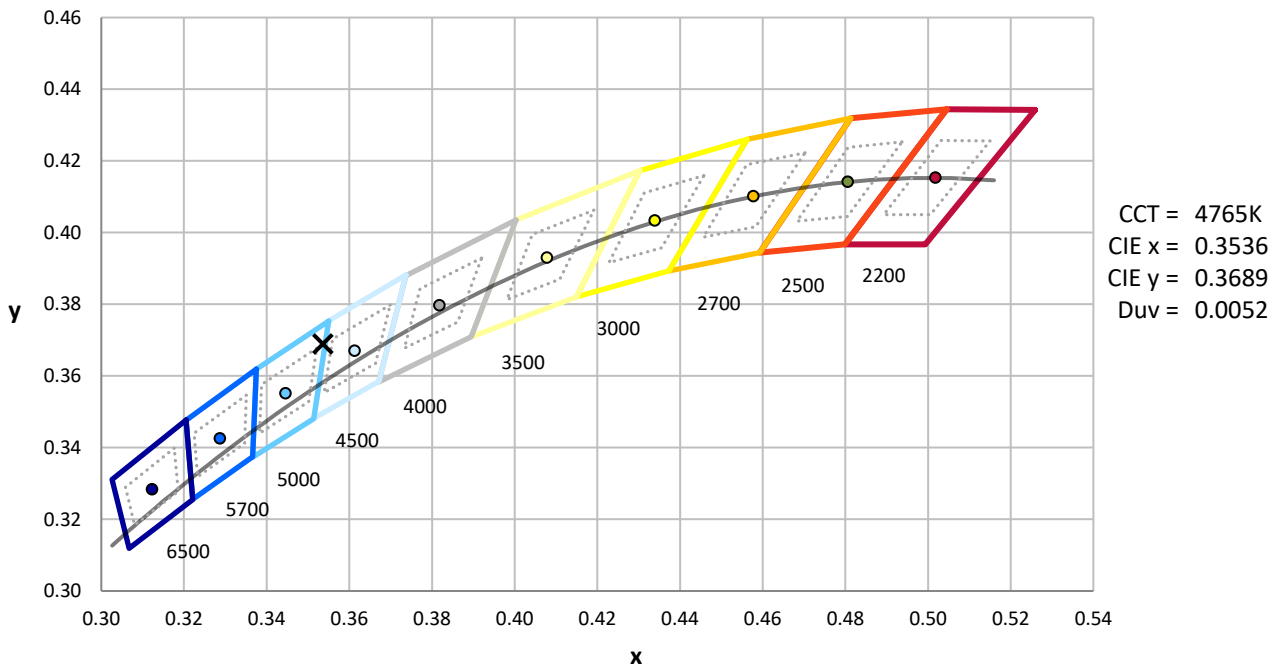
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



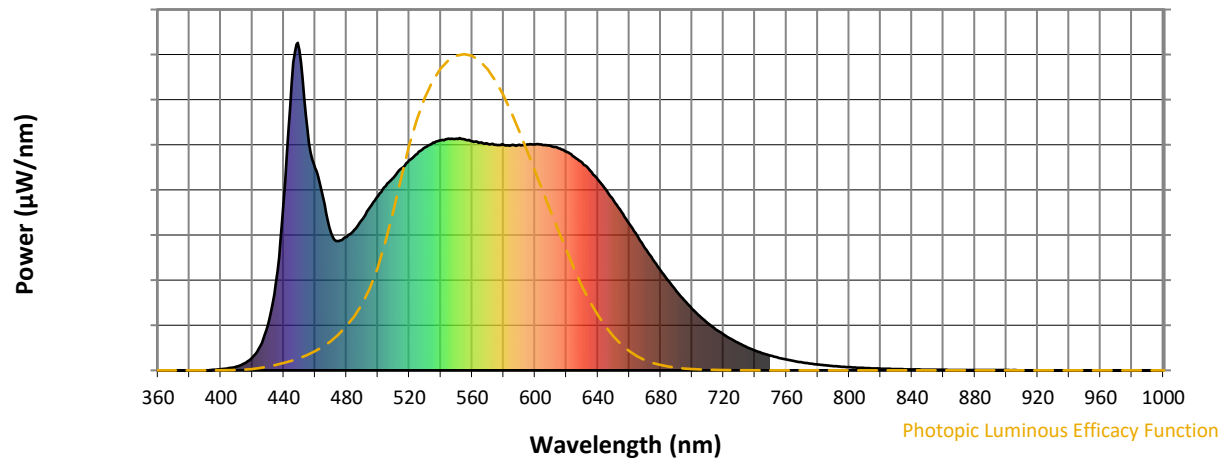
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

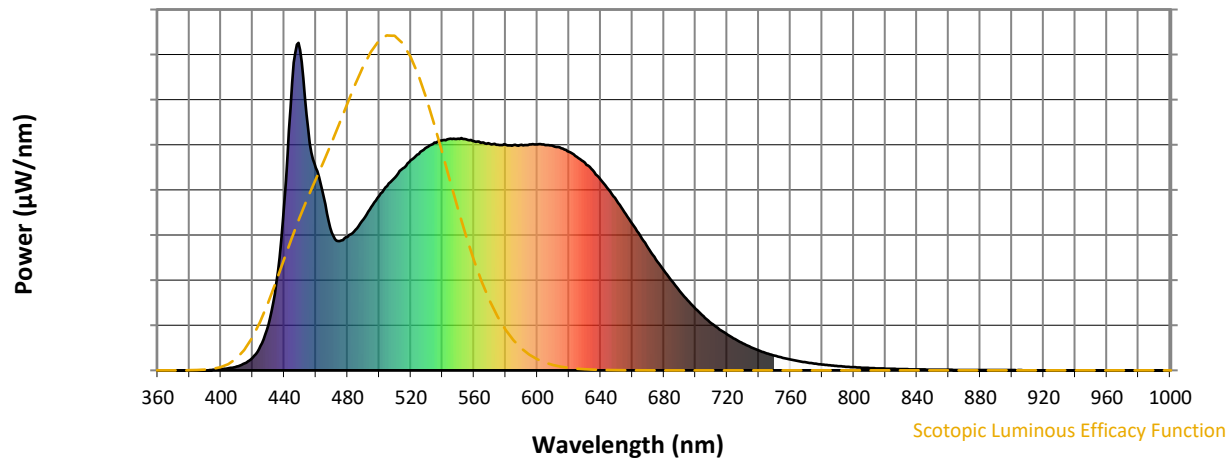


Photopic Lumens: NR

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



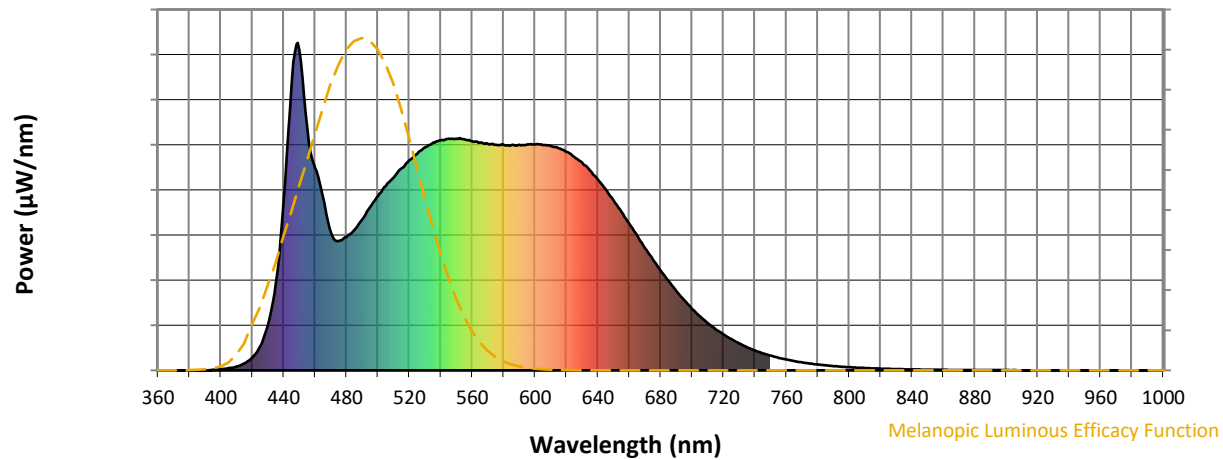
Scotopic Lumens: NR

S/P: 1.99

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 4.22

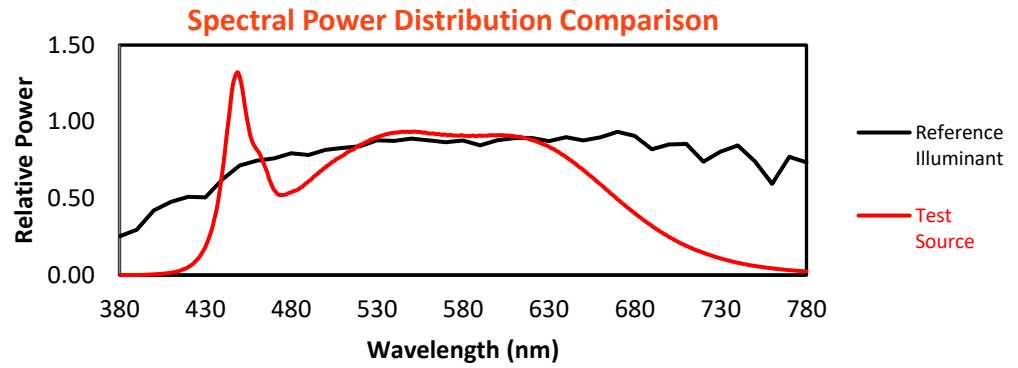
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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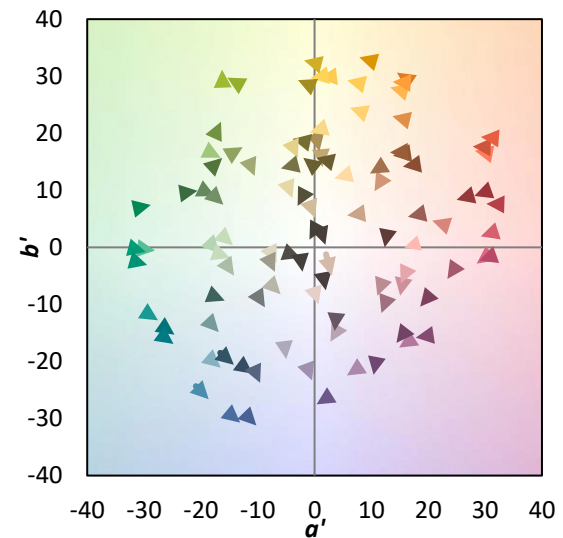
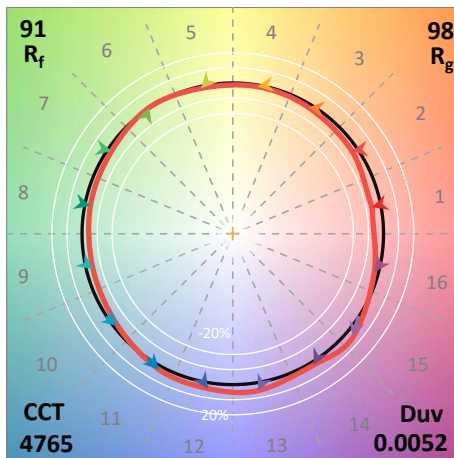
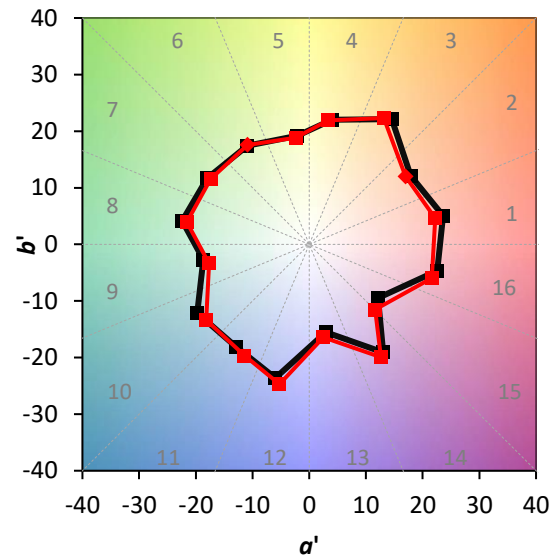
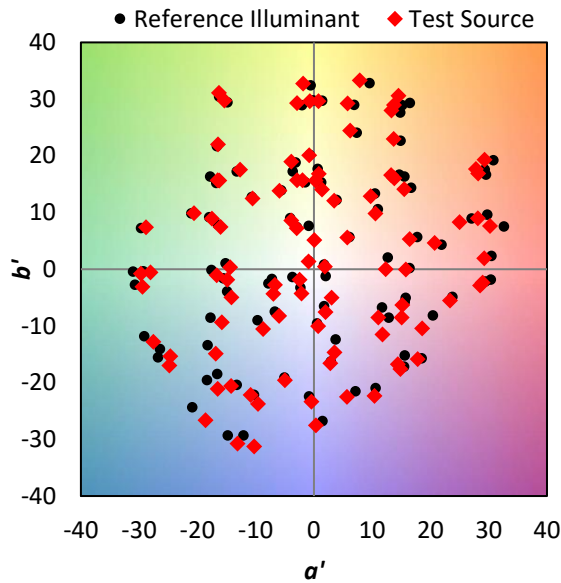
TM-30-18

Summary

$R_f = 90.7$
 $R_g = 98$
 CIE $R_a = 90.8$
 $R_9 = 54.9$

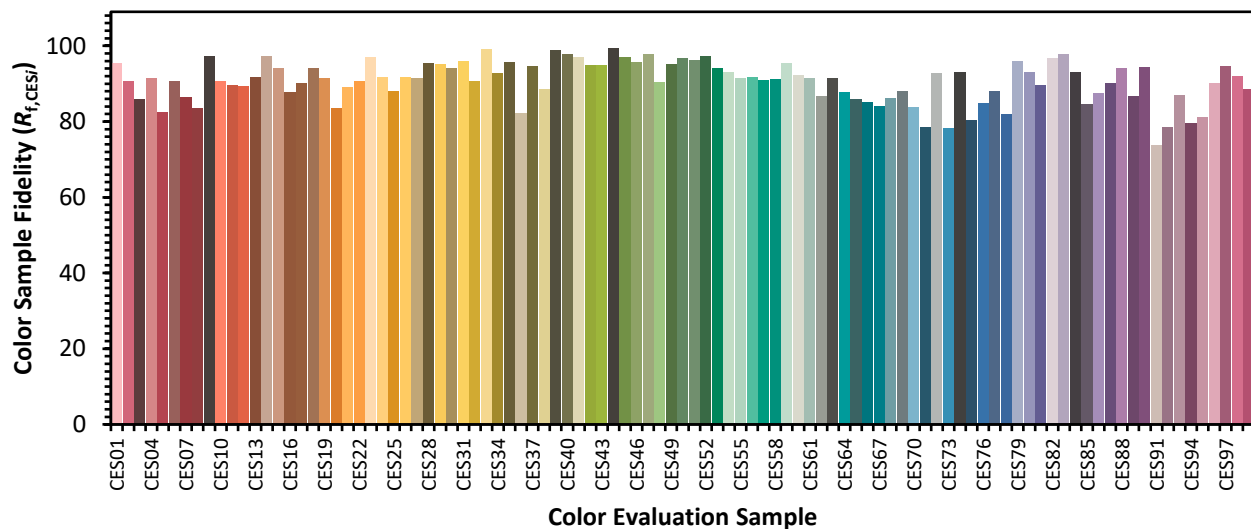


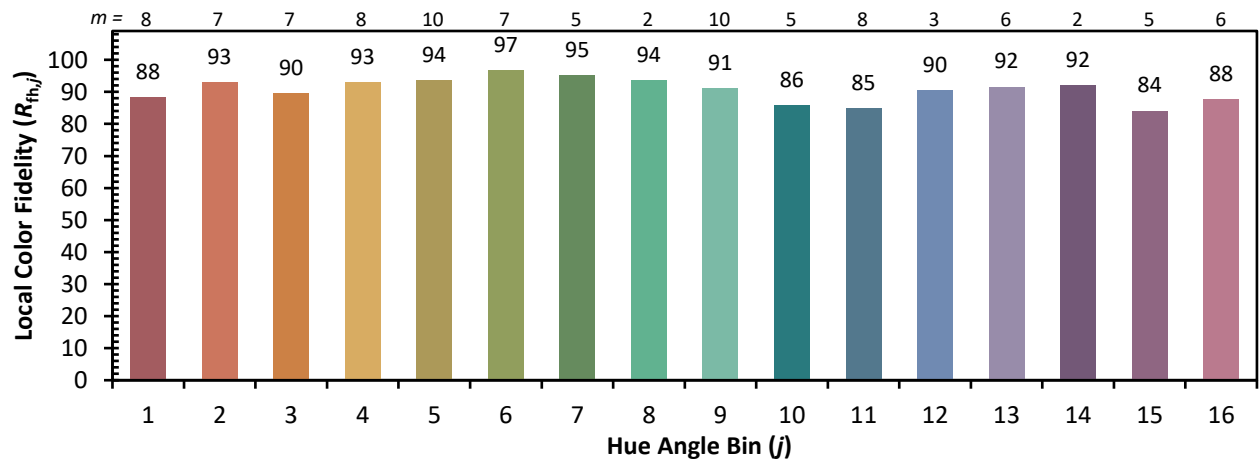
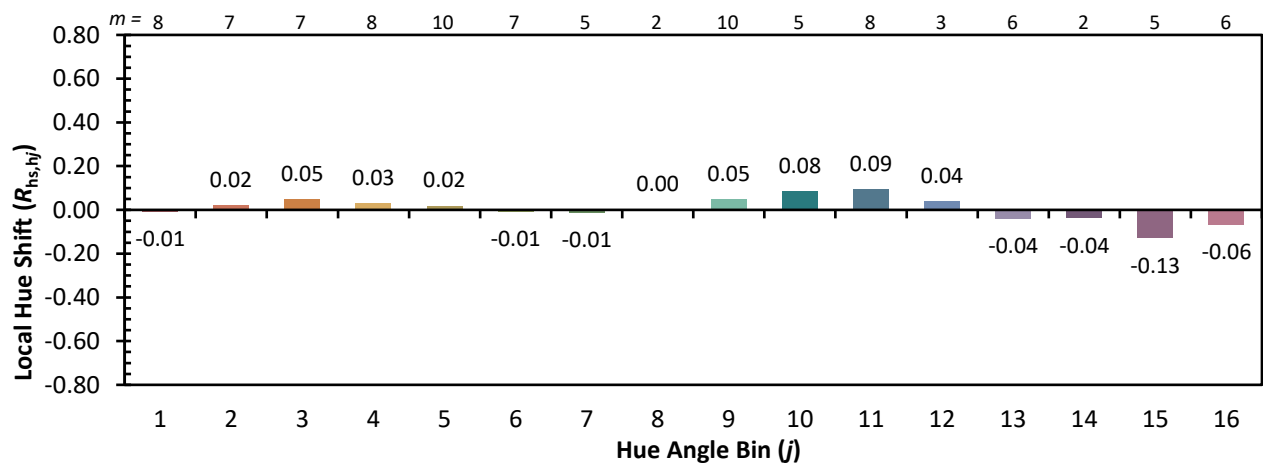
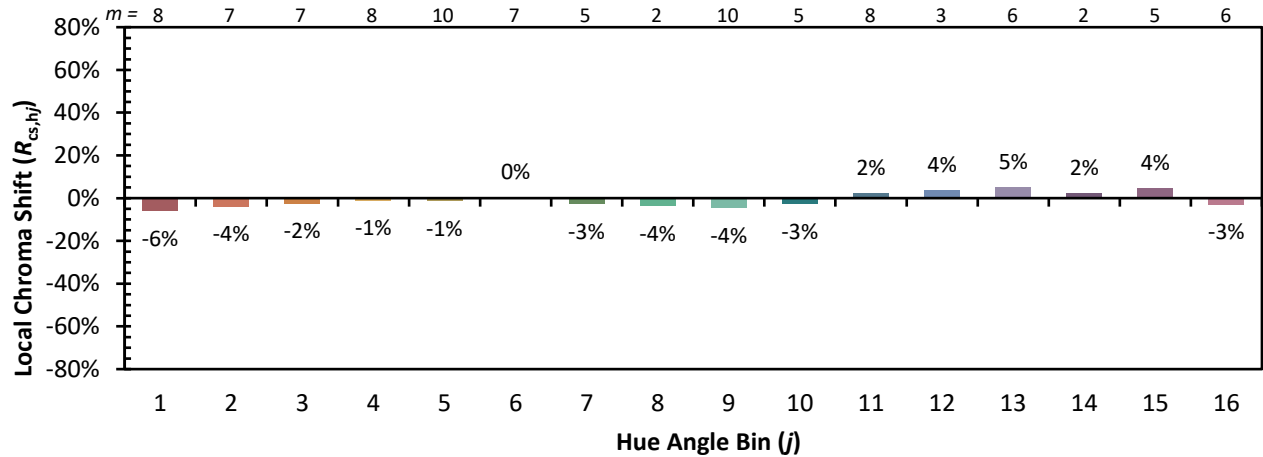
Color Vector Graphics



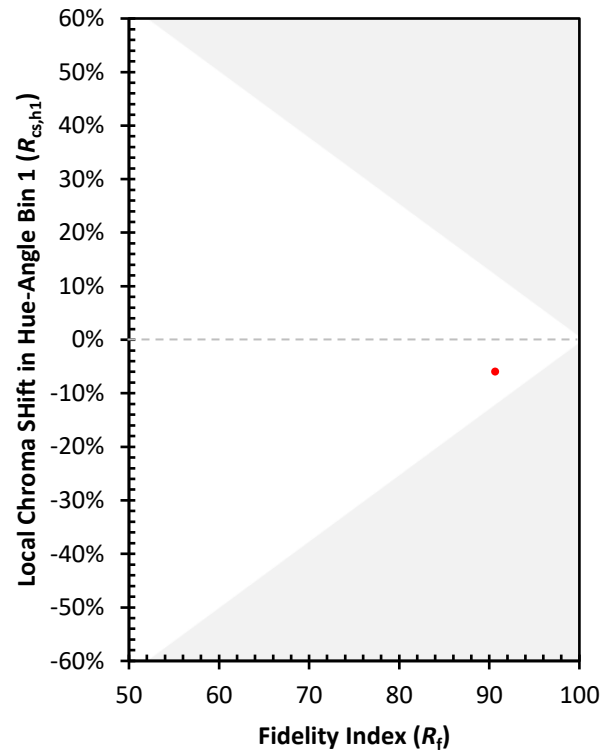
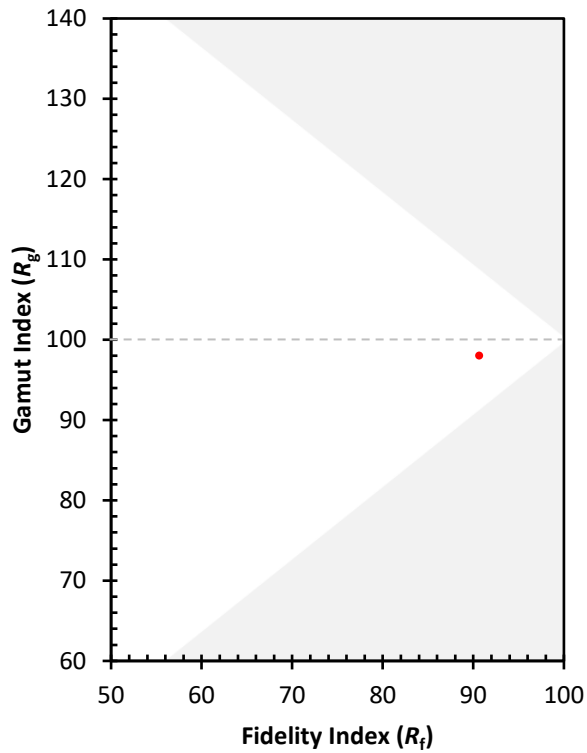
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)