

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: P1048209

Luminaire Tested: **GALN-SA3A-950-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048209
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-950-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (42) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8658.3 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 81.4
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

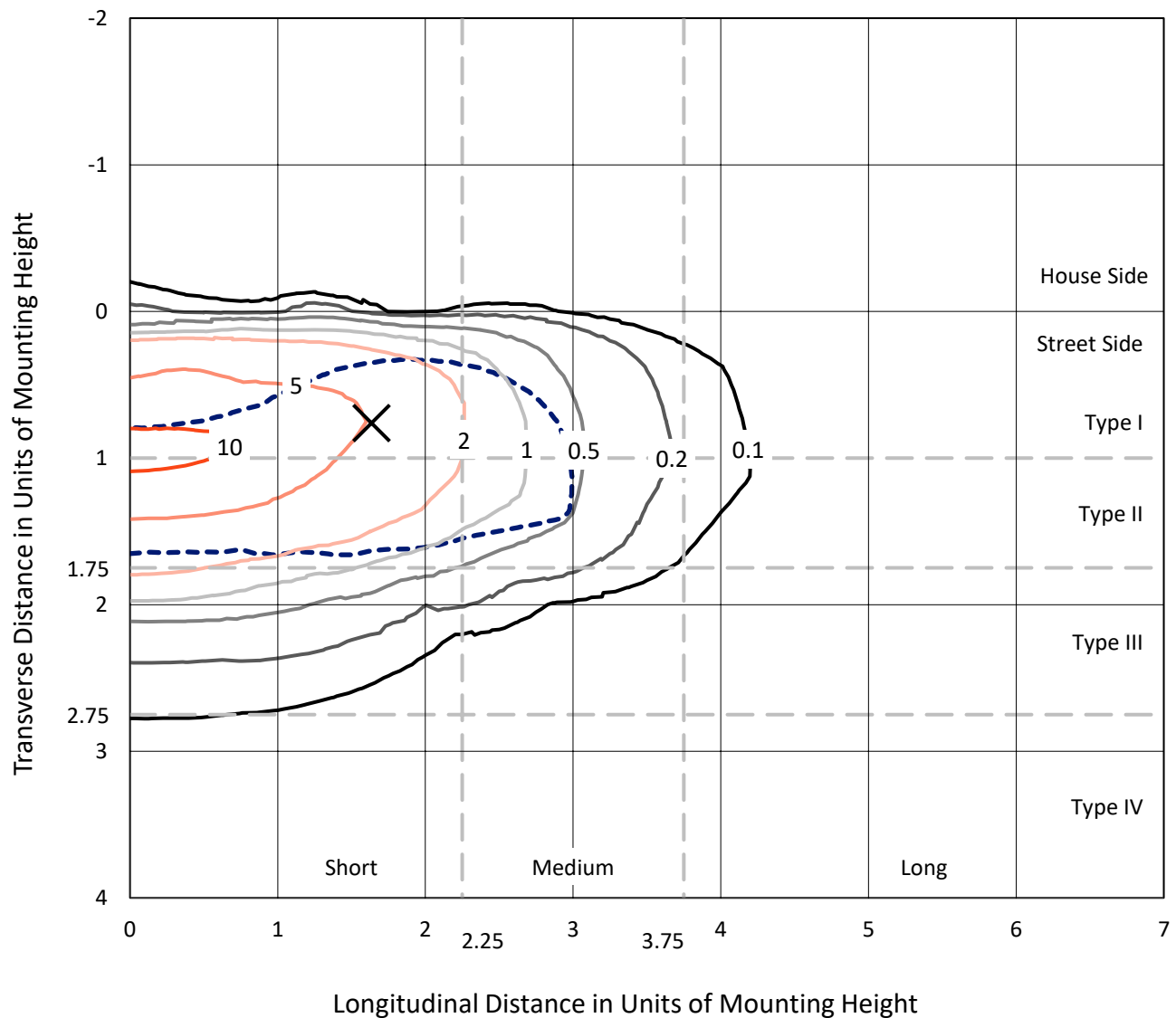


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

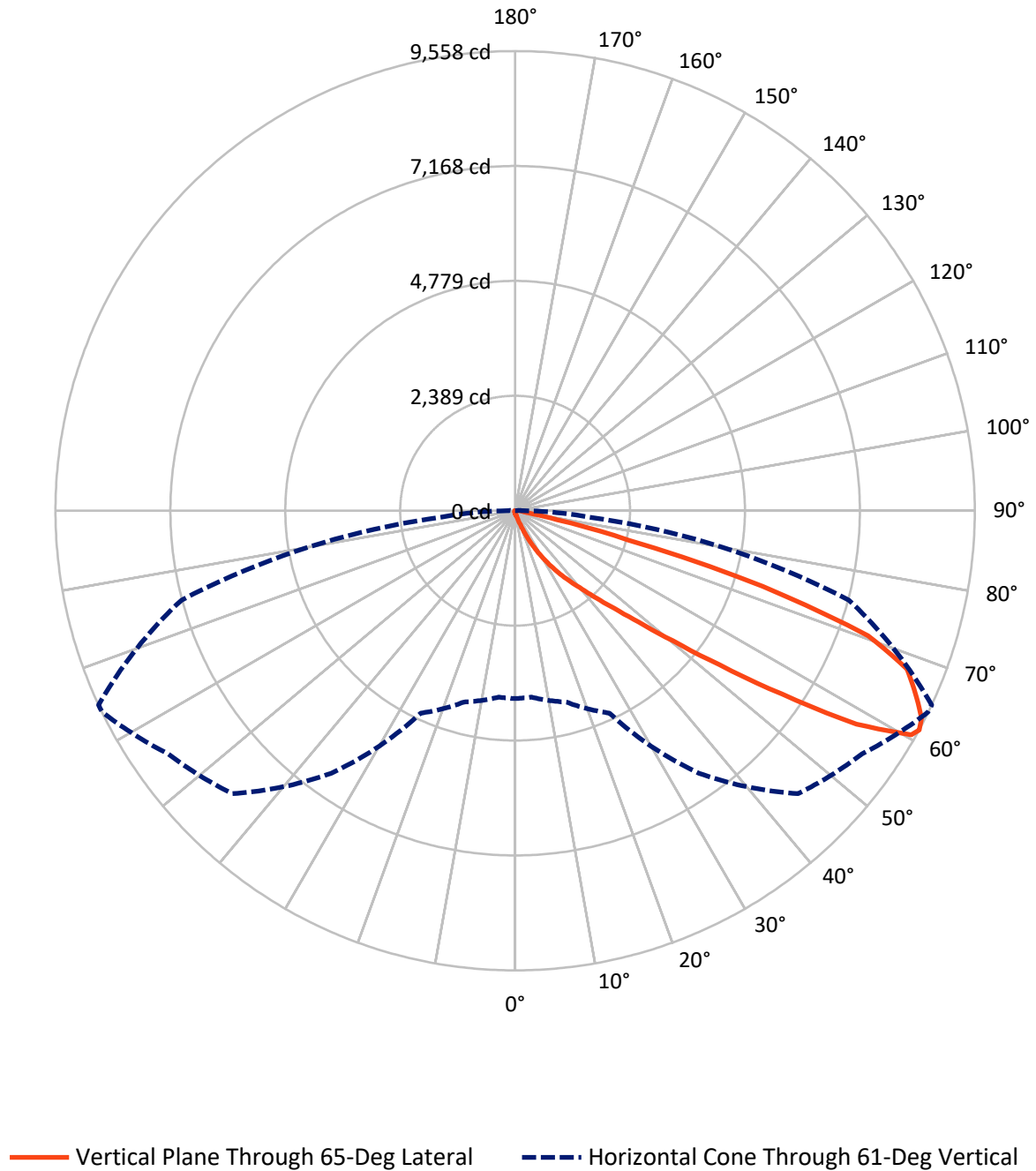


Based on 15 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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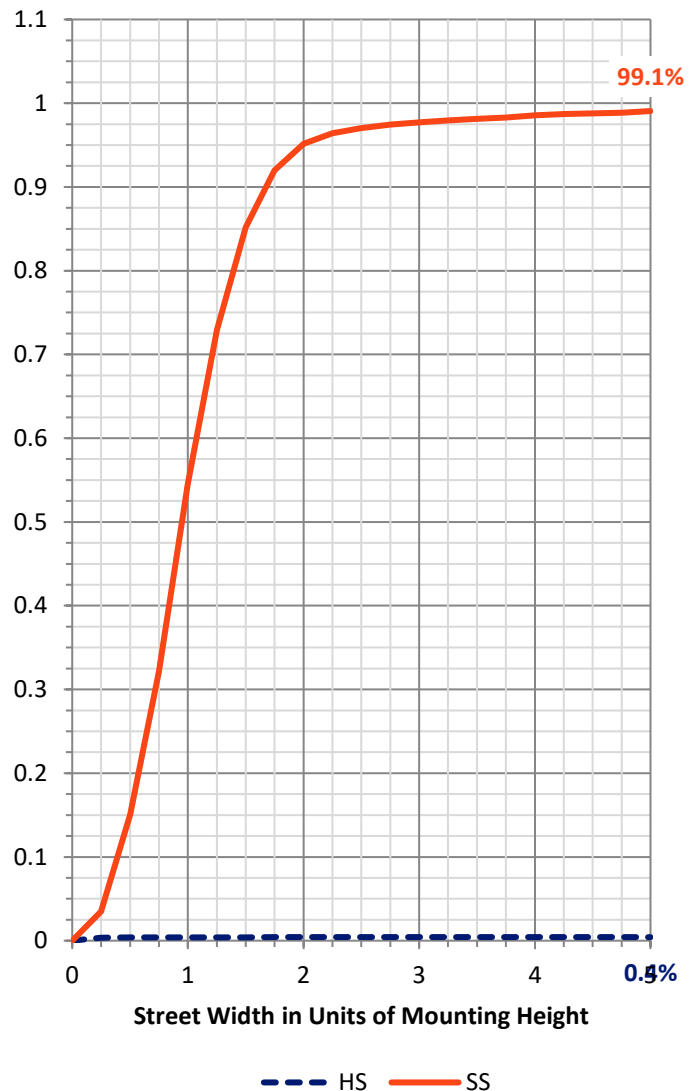
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.0	0.0	37.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	8621.3	0.0	8621.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	8658.3	0.0	8658.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.1
10°-20°	71.2	0.8
20°-30°	255.5	3.0
30°-40°	680.3	7.9
40°-50°	1787.1	20.6
50°-60°	2768.6	32.0
60°-70°	2321.4	26.8
70°-80°	683.2	7.9
80°-90°	84.3	1.0
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°	8658.3	100.0
0°-180°	8658.3	100.0



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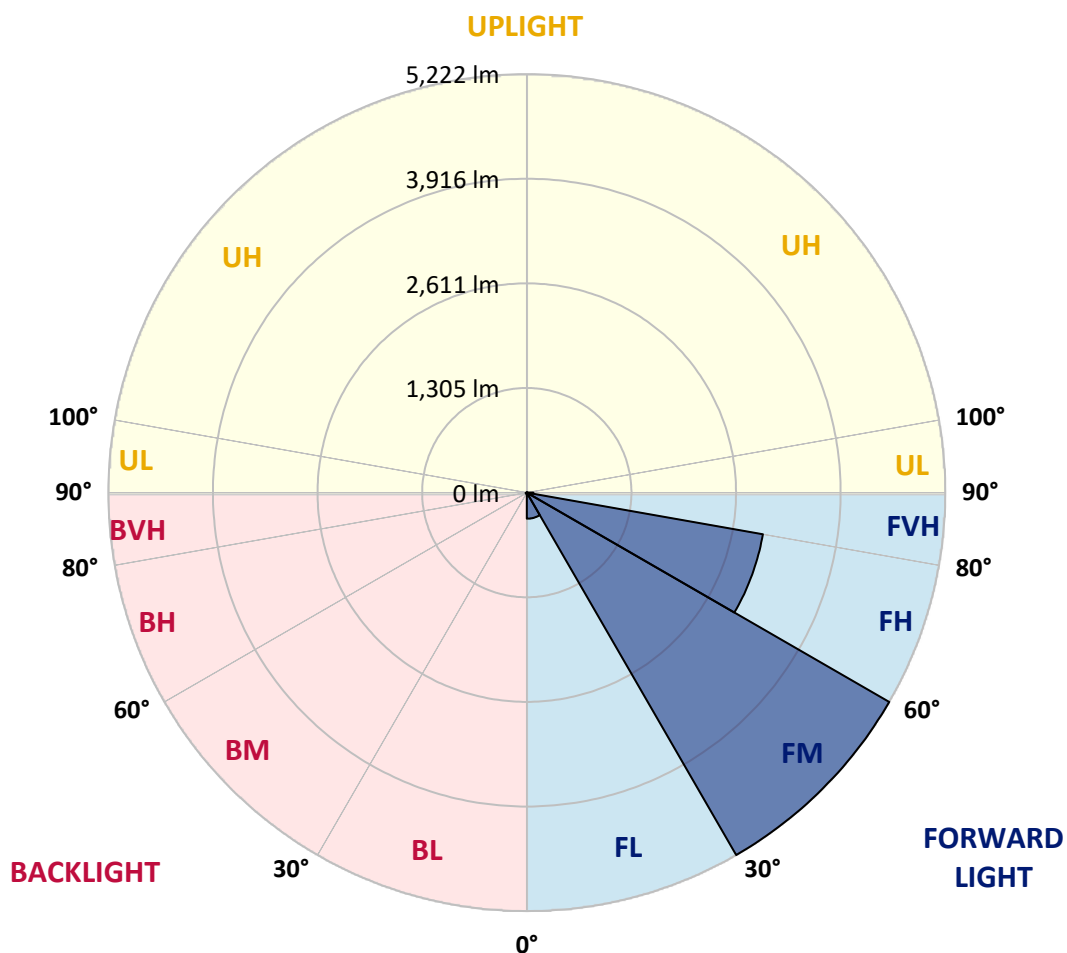
CATALOG NUMBER: GALN-SA3A-950-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.2	3.8			
FM	(30°-60°)	5221.9	60.3			
FH	(60°-80°)	2991.5	34.6			G2/5000
FVH	(80°-90°)	82.7	1.0			G1/100
BL	(0°-30°)	8.3	0.1	B0/110		
BM	(30°-60°)	14.1	0.2	B0/220		
BH	(60°-80°)	13.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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-G2

Type II Short



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CATALOG NUMBER: GALN-SA3A-950-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	64.3	64.9	63.7	61.3	59.6	59.6	59.0	57.2	57.2	55.4	54.2
5°	89.9	88.7	86.4	81.6	77.4	73.3	69.1	64.9	64.3	59.0	55.4
7.5°	147.1	148.3	140.6	125.7	113.2	97.1	82.2	73.3	72.1	63.1	56.0
10°	322.8	313.9	296.0	238.2	196.0	147.7	109.6	85.2	84.0	67.9	57.2
12.5°	588.4	581.3	548.5	489.0	380.0	264.4	160.2	105.4	101.8	72.1	57.8
15°	848.1	836.8	818.9	758.8	631.3	474.1	262.1	144.1	134.6	78.0	57.2
17.5°	1013.7	1015.5	999.4	973.8	891.6	701.6	452.7	215.0	196.5	88.7	56.0
20°	1158.4	1154.3	1163.2	1149.5	1091.7	953.5	658.7	340.7	309.1	106.0	56.6
22.5°	1325.2	1335.3	1341.9	1338.9	1275.2	1157.2	892.8	509.8	469.9	137.6	58.4
25°	1548.5	1547.4	1547.9	1540.2	1478.3	1347.2	1127.5	720.1	679.6	188.8	62.5
27.5°	1782.6	1789.8	1792.7	1764.7	1683.7	1555.1	1344.9	950.0	902.3	271.0	67.9
30°	2102.4	2096.5	2082.8	2025.6	1927.3	1767.7	1559.3	1191.2	1141.2	385.9	76.2
32.5°	2533.7	2527.1	2458.0	2331.7	2184.6	1989.3	1774.9	1433.0	1372.2	529.5	87.6
35°	3244.2	3254.3	3084.6	2757.6	2493.8	2255.5	2013.7	1673.6	1620.0	706.4	103.0
37.5°	4332.3	4277.0	4046.5	3468.7	2900.5	2587.9	2241.8	1916.6	1870.2	924.4	123.3
40°	5389.5	5334.7	5268.0	4720.7	3607.5	2954.1	2561.1	2201.9	2141.8	1170.3	153.1
42.5°	6500.9	6470.5	6467.6	6054.8	4897.6	3530.1	2945.2	2536.0	2484.8	1440.1	201.9
45°	7288.3	7257.9	7321.6	7393.7	6654.6	4764.2	3614.1	2970.2	2895.8	1767.7	279.9
47.5°	7394.3	7395.5	7565.8	7791.6	7960.1	6673.0	4505.1	3545.6	3455.0	2236.5	411.0
50°	7041.7	7055.4	7326.4	7730.2	8184.1	8274.6	6076.2	4380.6	4246.6	2792.1	596.8
52.5°	6370.5	6386.0	6763.6	7427.6	7978.0	8659.3	7926.2	5472.9	5318.7	3485.4	858.8
55°	5765.9	5775.5	6208.5	7047.7	7729.6	8450.3	9024.4	6931.5	6729.0	4338.3	1117.3
57.5°	5167.4	5145.3	5427.0	6387.7	7687.3	8193.6	9186.4	8593.8	8370.5	5270.4	1318.6
60°	4366.9	4330.0	4556.3	5167.4	7131.0	8362.1	8883.3	9513.4	9462.8	6568.2	1474.1
61°	3906.5	3891.0	4118.5	4642.7	6662.9	8319.3	8810.6	9552.1	9557.5	7182.3	1543.8
62.5°	2789.8	2833.8	3181.7	3863.0	5580.7	8041.1	8820.1	9432.4	9485.4	7998.2	1724.2
65°	1240.0	1310.9	1581.3	2135.8	3245.4	6689.1	8735.6	9169.8	9143.6	8222.2	2346.0
67.5°	735.6	746.3	880.9	1210.2	1718.9	3598.0	7708.8	8822.5	8787.4	7157.8	2919.0
70°	579.5	584.9	627.8	759.4	997.6	1378.2	4399.7	7633.1	7786.2	5804.1	2857.7
72.5°	549.7	548.5	554.5	577.7	628.4	683.7	1703.4	5073.9	5385.4	4179.9	2396.1
75°	542.6	540.2	534.2	525.3	455.0	402.6	527.7	2244.2	2424.7	2855.9	1804.1
77.5°	526.5	527.1	528.3	503.9	390.1	284.7	255.5	720.1	885.6	1812.4	1282.3
80°	356.2	361.5	370.5	360.9	350.8	206.1	180.5	256.1	259.7	1017.3	846.9
82.5°	180.5	180.5	176.3	157.2	135.8	134.0	143.5	185.8	188.2	514.6	398.5
85°	109.0	114.9	117.3	106.6	97.7	89.9	109.6	147.7	153.1	199.5	92.9
87.5°	24.4	25.0	27.4	36.3	53.0	72.1	101.8	135.2	137.6	128.1	11.3
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-SA3A-950-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	53.6	52.4	51.8	50.0	48.2	46.5	45.3	44.7	45.3	45.9	45.9
5°	53.0	51.2	48.2	45.3	42.9	40.5	38.1	37.5	37.5	38.1	38.1
7.5°	53.0	50.0	45.9	42.3	38.7	35.1	33.4	32.2	32.8	32.8	32.8
10°	53.0	49.4	44.1	38.7	34.5	30.4	27.4	26.2	26.2	26.2	26.2
12.5°	52.4	48.8	42.3	35.7	29.8	25.0	21.4	19.7	20.3	20.3	20.3
15°	51.2	47.1	39.9	30.4	23.8	19.1	15.5	13.7	14.3	15.5	16.1
17.5°	49.4	45.3	35.7	25.6	19.1	14.3	10.7	9.5	10.1	11.9	11.9
20°	48.8	43.5	31.6	20.8	14.3	10.1	7.1	6.0	6.6	8.9	9.5
22.5°	48.8	42.3	28.6	17.3	10.7	6.6	4.2	2.4	2.4	4.2	4.2
25°	49.4	41.7	26.2	14.3	7.7	4.8	2.4	1.2	2.4	6.6	7.7
27.5°	50.6	41.1	25.0	11.9	6.0	4.2	1.8	4.2	7.1	7.1	7.1
30°	51.8	39.9	23.2	10.1	5.4	3.0	3.0	6.0	6.0	7.1	7.7
32.5°	53.6	39.3	22.0	8.9	4.2	2.4	4.2	3.6	3.6	4.2	4.8
35°	57.2	39.9	20.8	8.9	4.2	3.0	3.6	1.8	1.2	1.2	1.2
37.5°	61.9	40.5	19.1	7.7	3.6	3.6	1.8	0.0	0.0	0.0	0.0
40°	69.7	42.3	17.9	7.1	3.0	3.0	0.6	0.0	0.0	0.0	0.0
42.5°	82.8	45.9	17.3	6.6	3.0	2.4	0.0	0.0	0.0	0.0	0.0
45°	109.0	54.2	16.1	6.0	3.0	1.2	0.0	0.0	0.0	0.0	0.0
47.5°	156.6	73.9	15.5	4.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	228.7	100.1	14.9	4.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	291.8	105.4	10.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	299.0	72.7	7.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	238.2	47.1	6.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	180.5	35.7	6.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	173.3	32.2	6.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	191.2	28.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	310.9	23.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	540.2	20.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	682.6	19.1	3.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	595.0	17.3	3.6	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	358.0	14.9	3.6	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	187.6	11.3	3.6	3.0	1.8	0.6	0.0	0.0	0.0	0.0	0.0
80°	91.1	10.1	4.2	3.0	2.4	1.2	0.0	0.0	0.0	0.0	0.0
82.5°	35.7	8.3	4.8	4.2	3.0	1.8	0.6	0.0	0.0	0.0	0.0
85°	16.1	7.1	5.4	4.8	4.2	2.4	0.6	0.0	0.0	0.0	0.0
87.5°	8.3	6.6	6.0	5.4	4.2	3.0	1.2	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: SP1-2407-184-17

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

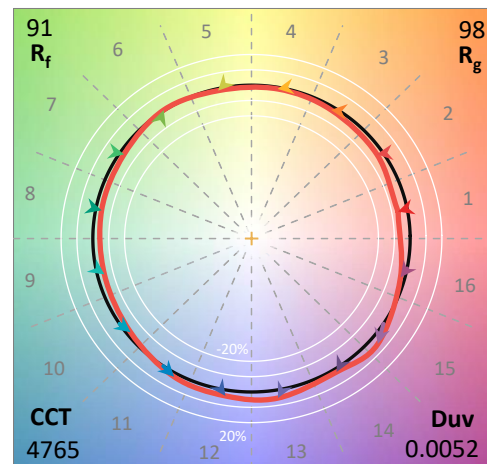
Test Information

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

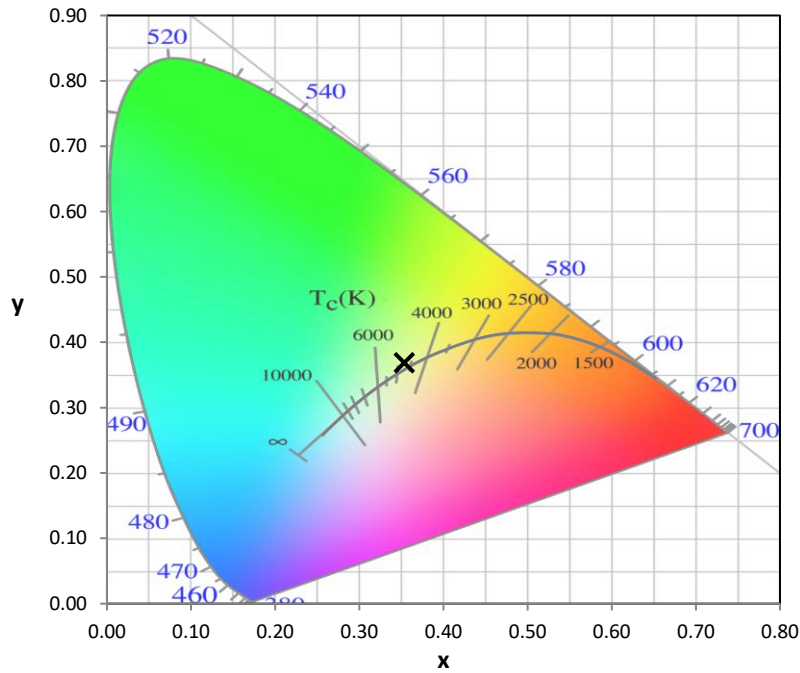
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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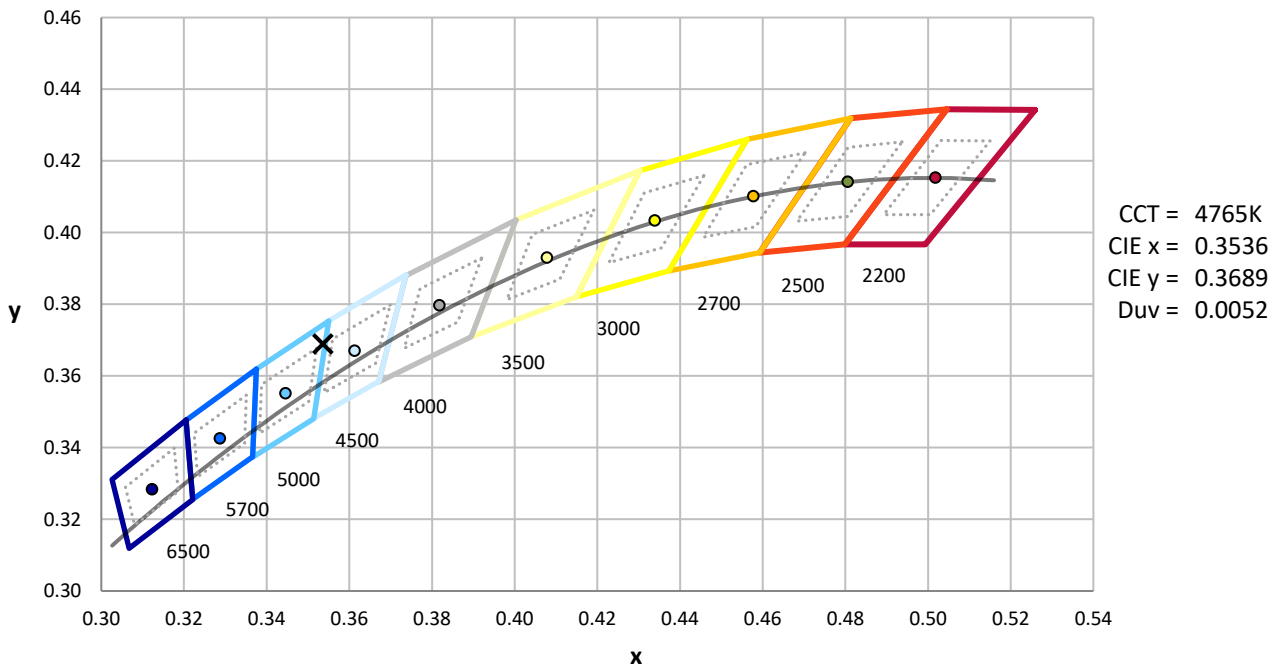
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



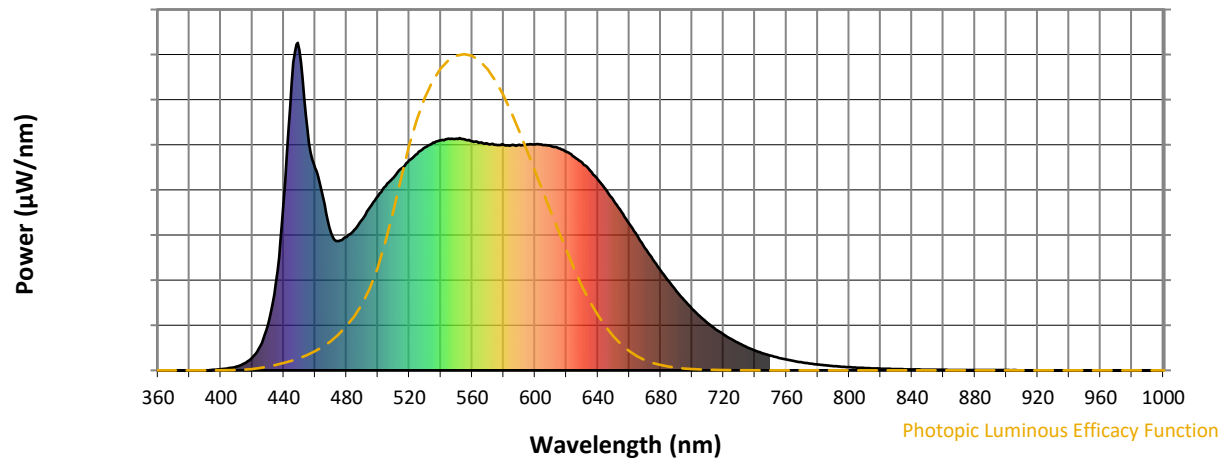
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

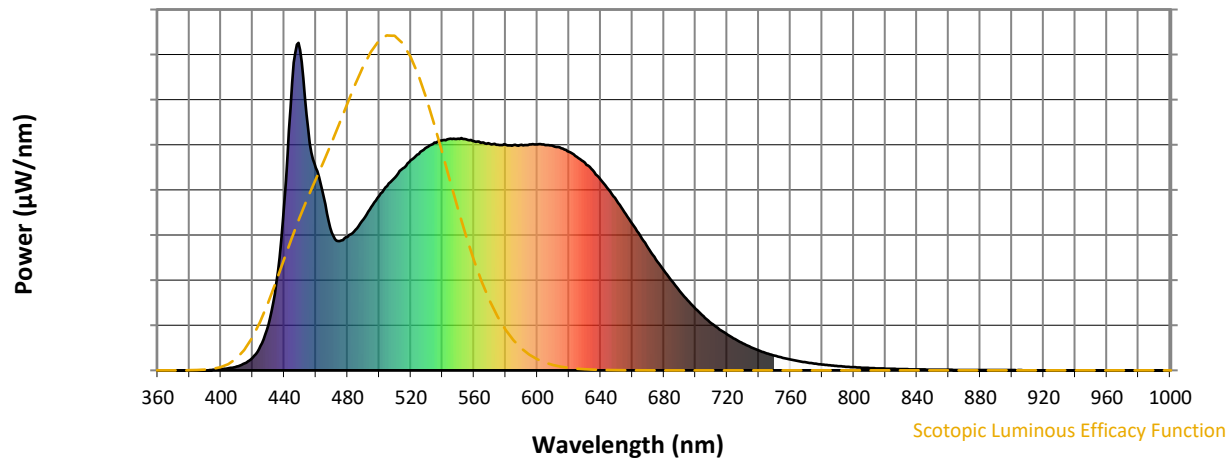


Photopic Lumens: NR

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



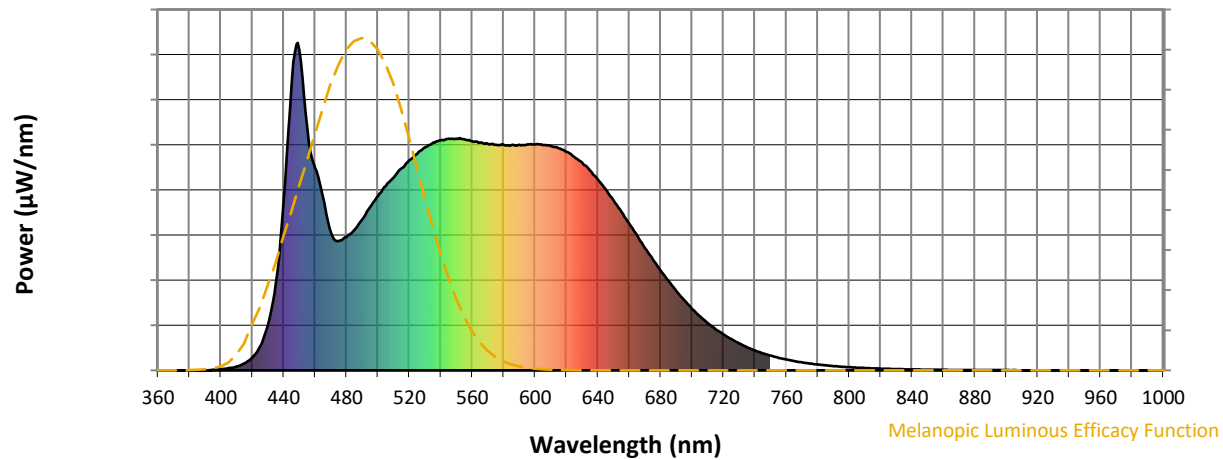
Scotopic Lumens: NR

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

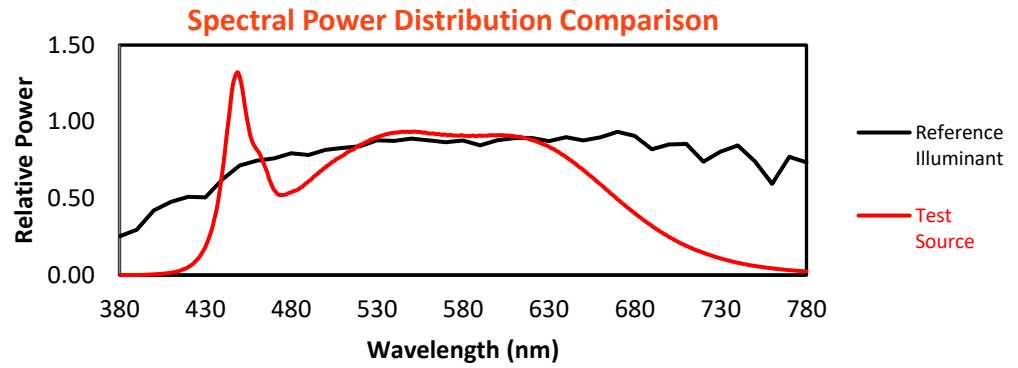
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	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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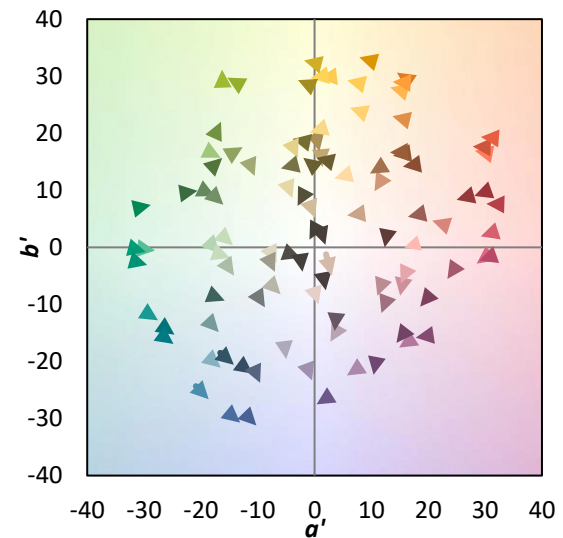
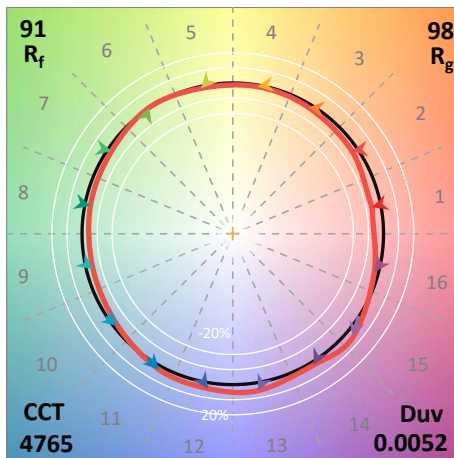
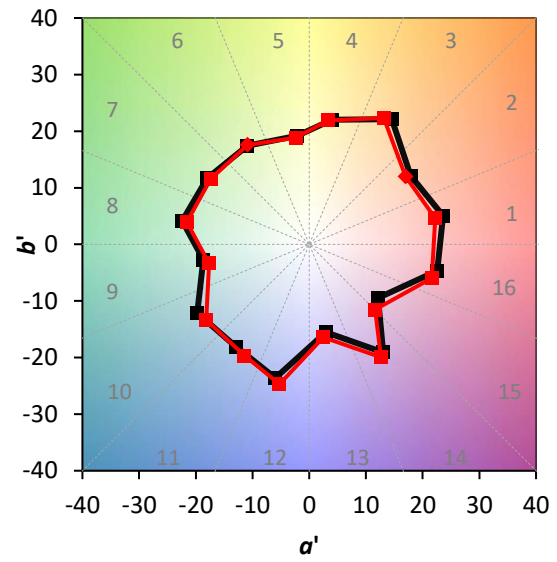
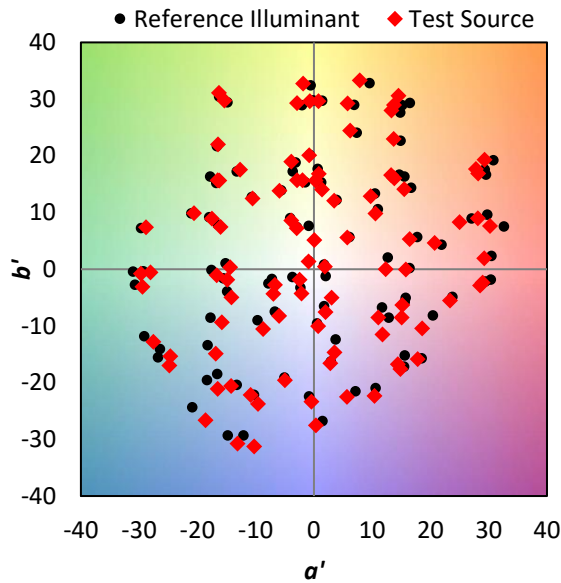
TM-30-18

Summary

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

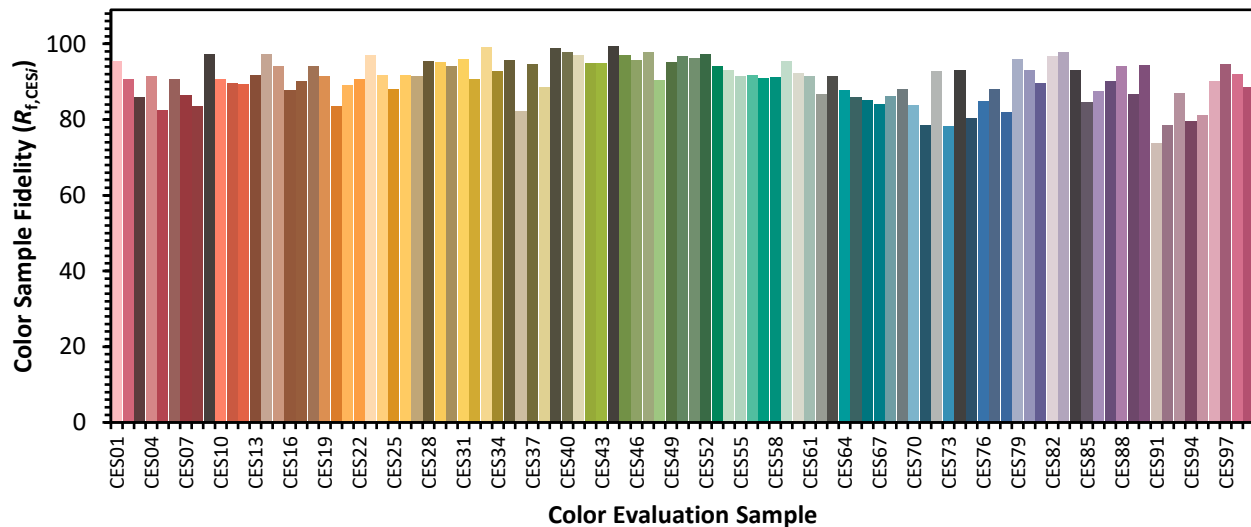


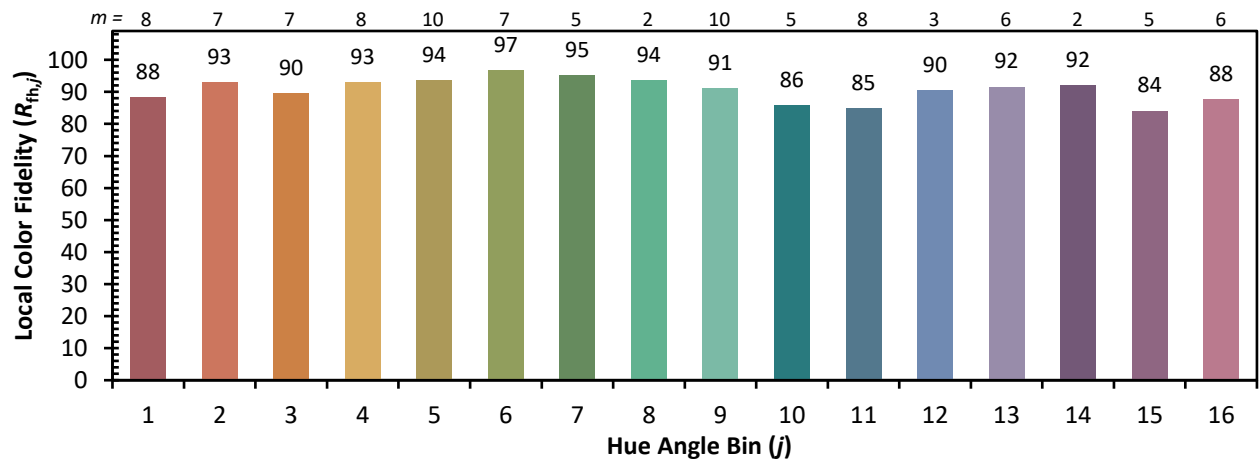
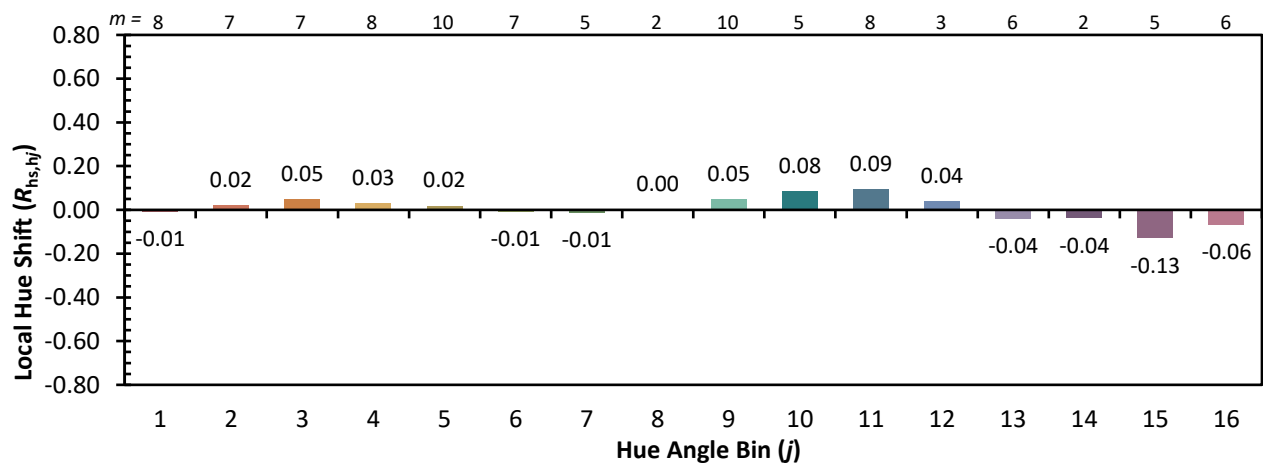
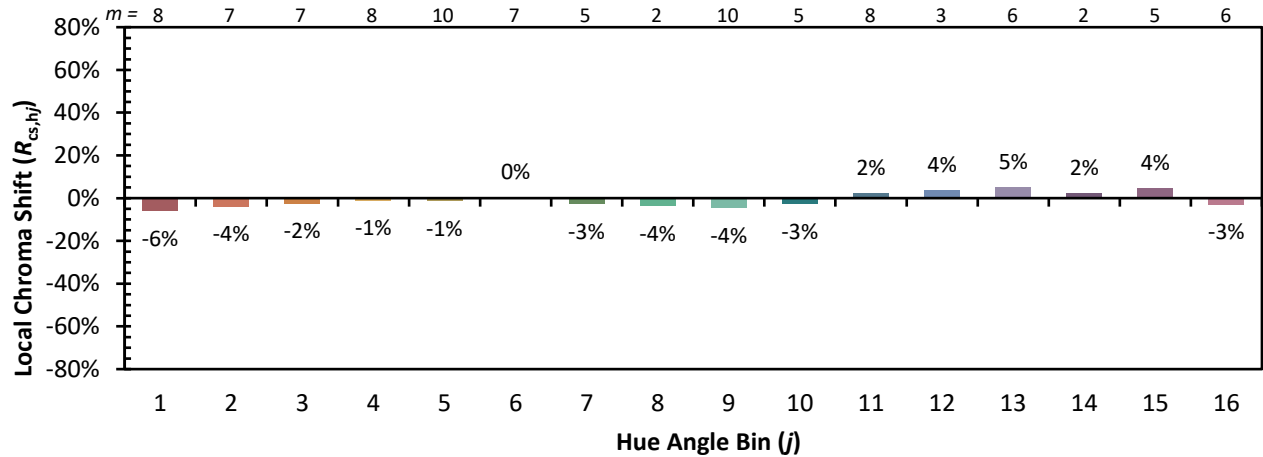
Color Vector Graphics



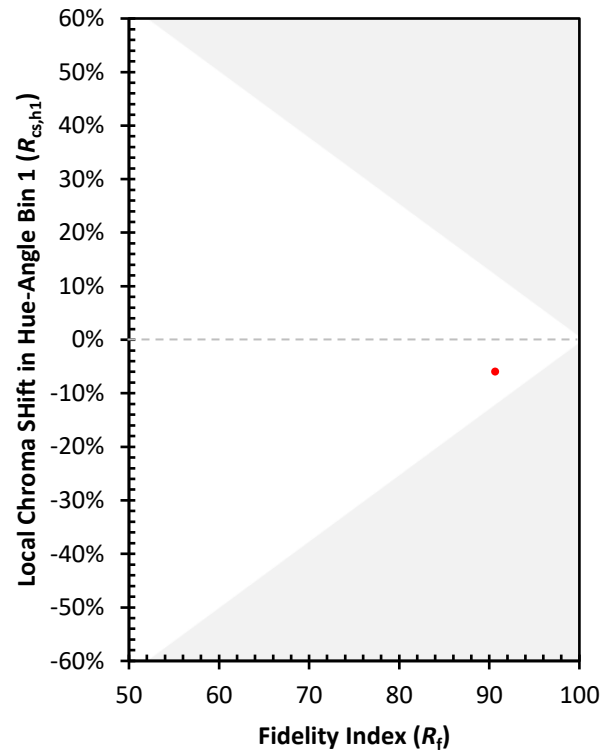
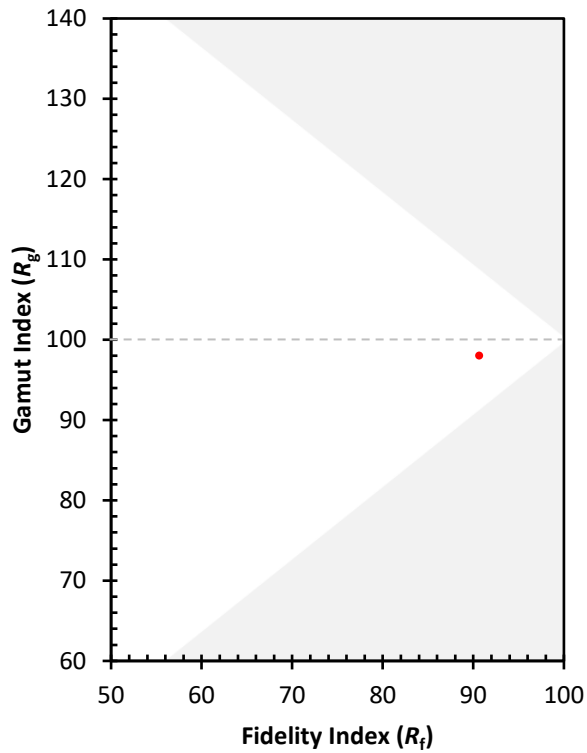
Individual Sample Fidelity Index ($R_{f,i}$)

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)