

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: P1048214

Luminaire Tested: **GALN-SA4B-950-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048214
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-950-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14217.2 lumens
Efficiency: N/A
Efficacy: 98.7 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): 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



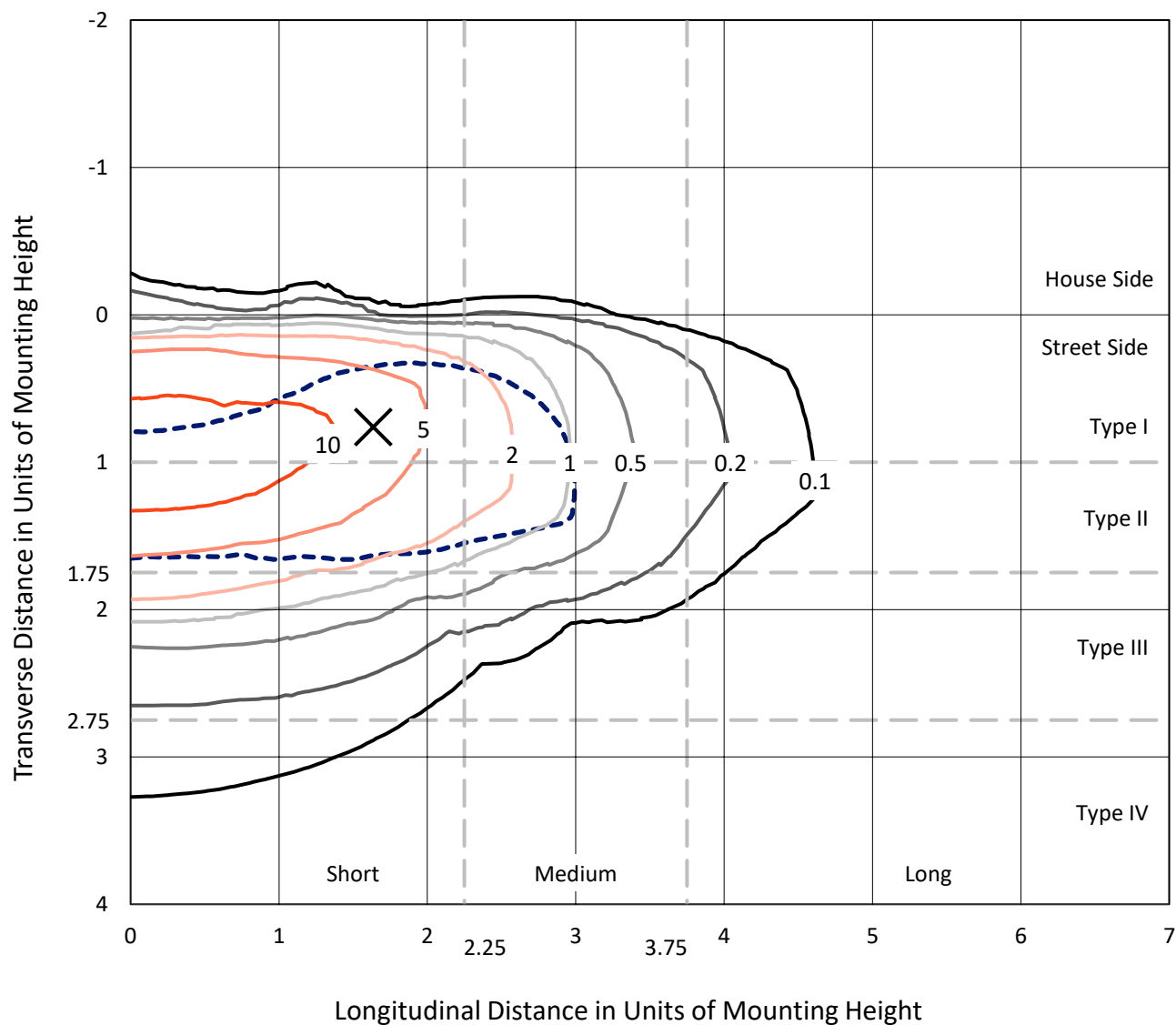
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CATALOG NUMBER: GALN-SA4B-950-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

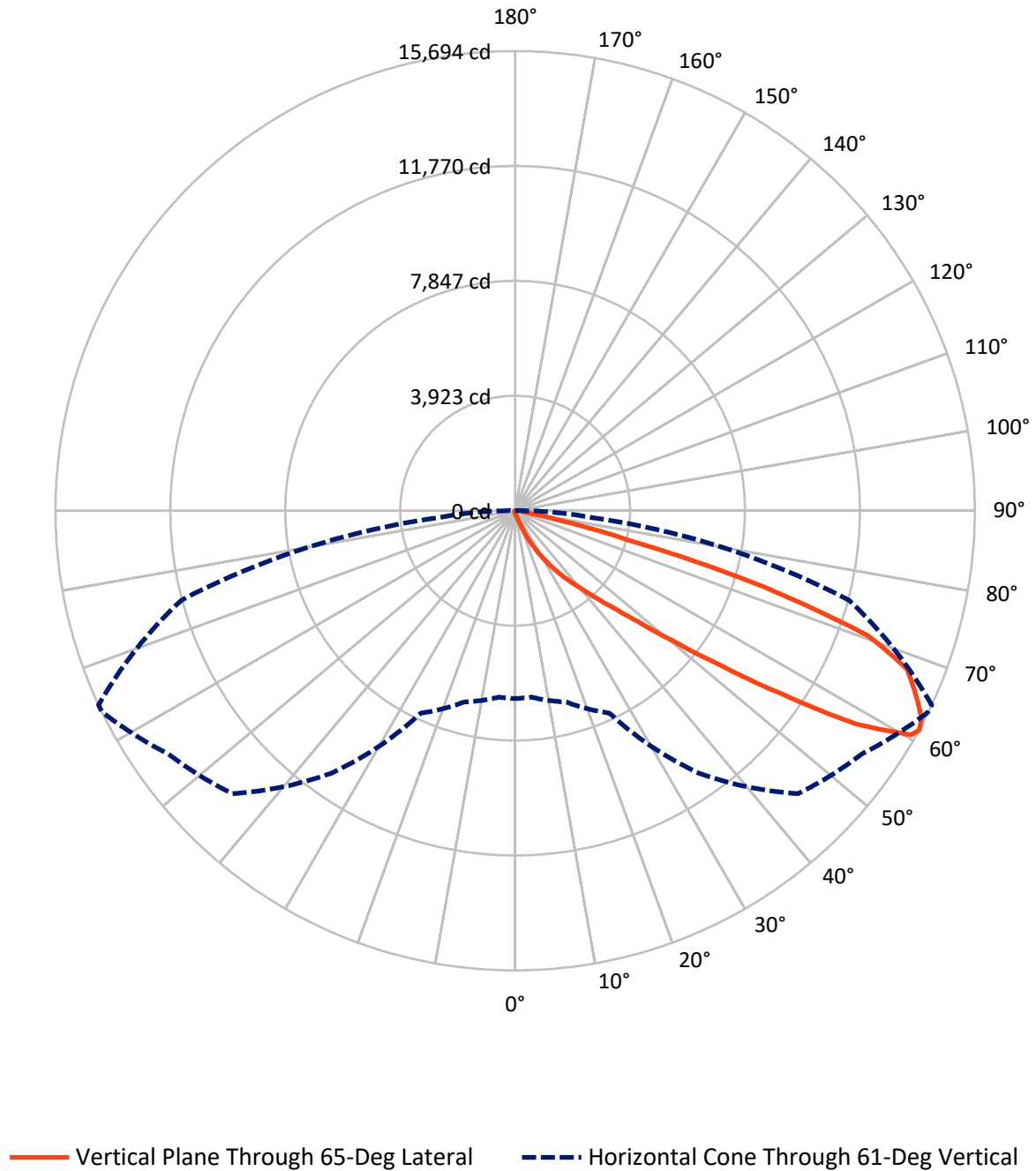


Based on 15 foot mounting height. Maximum calculated value = 18.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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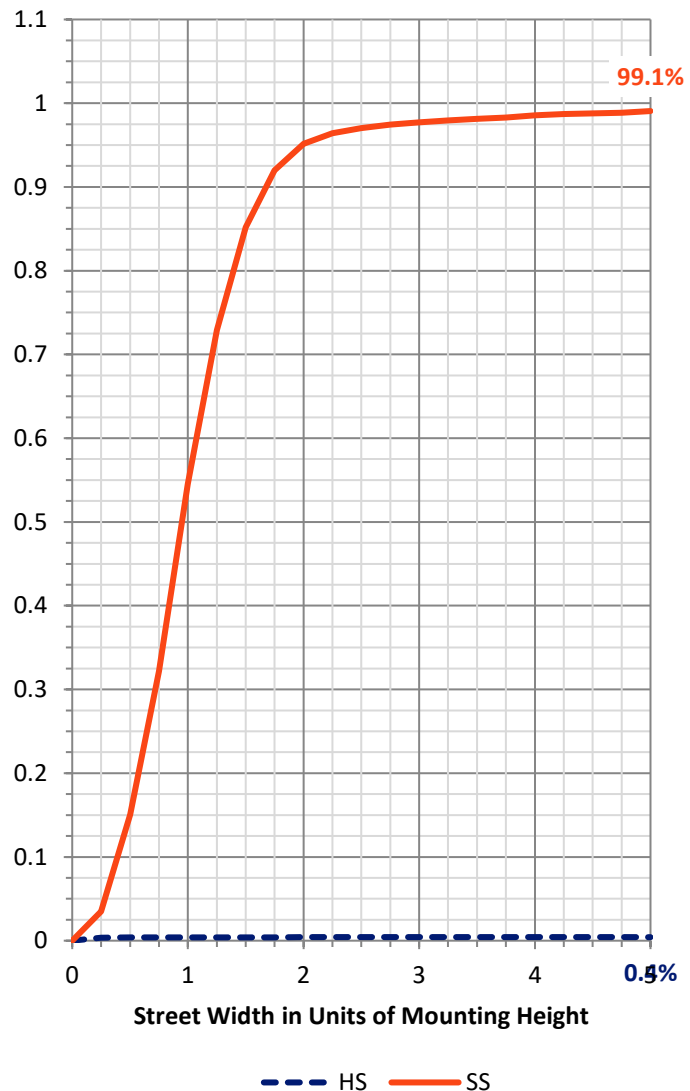
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	60.7	0.0	60.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14156.5	0.0	14156.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	14217.2	0.0	14217.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.1
10°-20°	116.9	0.8
20°-30°	419.6	3.0
30°-40°	1117.1	7.9
40°-50°	2934.5	20.6
50°-60°	4546.1	32.0
60°-70°	3811.8	26.8
70°-80°	1121.8	7.9
80°-90°	138.4	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°	14217.2	100.0
0°-180°	14217.2	100.0



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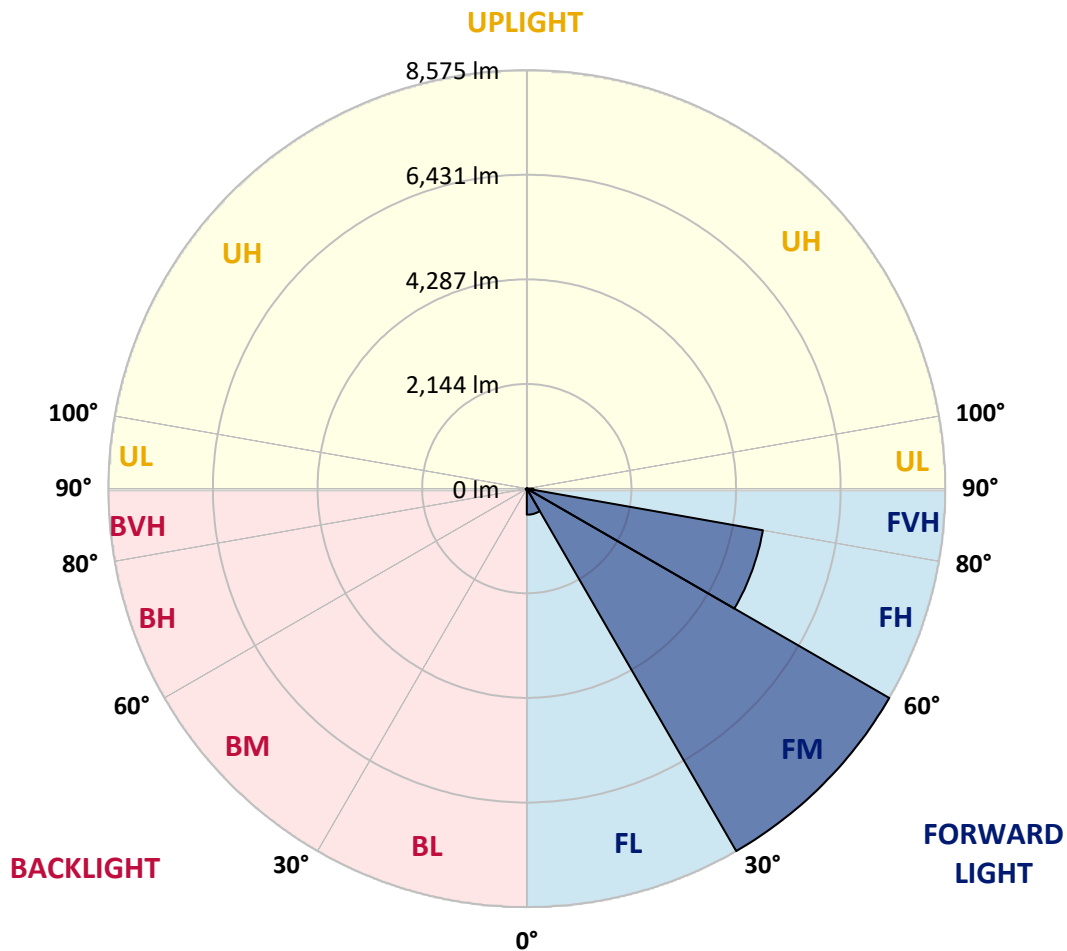
CATALOG NUMBER: GALN-SA4B-950-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.9	3.8			
FM	(30°-60°)	8574.5	60.3			
FH	(60°-80°)	4912.2	34.6			G2/5000
FVH	(80°-90°)	135.8	1.0			G2/225
BL	(0°-30°)	13.6	0.1	B0/110		
BM	(30°-60°)	23.1	0.2	B0/220		
BH	(60°-80°)	21.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.6	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2.5°	105.6	106.6	104.6	100.7	97.8	97.8	96.8	93.9	93.9	91.0	89.0
5°	147.7	145.7	141.8	134.0	127.1	120.3	113.4	106.6	105.6	96.8	91.0
7.5°	241.6	243.5	230.8	206.4	185.8	159.4	135.0	120.3	118.3	103.7	91.9
10°	530.1	515.4	486.1	391.2	321.8	242.5	179.9	139.9	137.9	111.5	93.9
12.5°	966.3	954.5	900.7	802.9	624.0	434.2	263.1	173.1	167.2	118.3	94.9
15°	1392.7	1374.1	1344.7	1246.0	1036.7	778.5	430.3	236.7	221.0	128.1	93.9
17.5°	1664.5	1667.5	1641.1	1599.0	1464.0	1152.1	743.3	353.1	322.7	145.7	91.9
20°	1902.2	1895.3	1910.0	1887.5	1792.7	1565.8	1081.7	559.4	507.6	174.1	92.9
22.5°	2176.0	2192.6	2203.4	2198.5	2093.9	1900.2	1466.0	837.2	771.6	225.9	95.8
25°	2542.8	2540.8	2541.8	2529.1	2427.4	2212.2	1851.3	1182.4	1115.9	310.0	102.7
27.5°	2927.1	2938.9	2943.7	2897.8	2764.8	2553.5	2208.3	1559.9	1481.7	445.0	111.5
30°	3452.3	3442.5	3420.0	3326.1	3164.8	2902.7	2560.4	1956.0	1873.8	633.7	125.2
32.5°	4160.4	4149.6	4036.2	3828.8	3587.3	3266.5	2914.4	2353.0	2253.3	869.4	143.8
35°	5327.1	5343.7	5065.0	4528.1	4094.8	3703.6	3306.6	2748.1	2660.1	1159.9	169.2
37.5°	7113.9	7022.9	6644.4	5695.8	4762.8	4249.4	3681.1	3147.2	3070.9	1517.8	202.4
40°	8849.8	8759.8	8650.3	7751.5	5923.7	4850.8	4205.3	3615.6	3516.8	1921.7	251.3
42.5°	10674.7	10624.9	10620.0	9942.2	8042.0	5796.5	4836.1	4164.3	4080.2	2364.8	331.5
45°	11967.6	11917.8	12022.4	12140.7	10927.1	7822.9	5934.4	4877.2	4755.0	2902.7	459.7
47.5°	12141.7	12143.7	12423.4	12794.0	13070.8	10957.4	7397.5	5822.0	5673.3	3672.3	674.8
50°	11562.7	11585.2	12030.2	12693.3	13438.5	13587.2	9977.4	7193.1	6973.0	4584.8	979.9
52.5°	10460.6	10486.0	11106.0	12196.5	13100.1	14219.0	13015.1	8986.7	8733.4	5723.2	1410.3
55°	9467.9	9483.5	10194.5	11572.5	12692.3	13875.7	14818.5	11381.8	11049.3	7123.7	1834.7
57.5°	8485.0	8448.8	8911.4	10488.9	12622.9	13454.2	15084.5	14111.4	13744.6	8654.2	2165.3
60°	7170.6	7110.0	7481.6	8485.0	11709.4	13730.9	14586.7	15621.4	15538.3	10785.2	2420.5
61°	6414.6	6389.2	6762.8	7623.4	10940.7	13660.5	14467.4	15685.0	15693.8	11793.5	2534.9
62.5°	4580.9	4653.3	5224.4	6343.2	9163.7	13203.8	14483.0	15488.4	15575.4	13133.4	2831.3
65°	2036.2	2152.5	2596.6	3507.1	5329.1	10983.8	14344.1	15057.1	15014.1	13501.1	3852.3
67.5°	1207.8	1225.4	1446.4	1987.3	2822.5	5908.0	12658.1	14486.9	14429.2	11753.5	4793.1
70°	951.6	960.4	1030.8	1246.9	1638.1	2263.1	7224.4	12533.9	12785.2	9530.5	4692.4
72.5°	902.7	900.7	910.5	948.6	1031.8	1122.7	2797.0	8331.5	8843.0	6863.5	3934.4
75°	890.9	887.0	877.3	862.6	747.2	661.1	866.5	3685.1	3981.4	4689.4	2962.3
77.5°	864.5	865.5	867.5	827.4	640.6	467.5	419.6	1182.4	1454.3	2976.0	2105.6
80°	584.8	593.6	608.3	592.7	576.0	338.4	296.3	420.5	426.4	1670.4	1390.7
82.5°	296.3	296.3	289.5	258.2	223.0	220.0	235.7	305.1	309.0	845.0	654.3
85°	179.0	188.8	192.7	175.1	160.4	147.7	179.9	242.5	251.3	327.6	152.6
87.5°	40.1	41.1	45.0	59.7	87.0	118.3	167.2	222.0	225.9	210.3	18.6
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: P1048214

CATALOG NUMBER: GALN-SA4B-950-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2.5°	88.0	86.1	85.1	82.2	79.2	76.3	74.3	73.3	74.3	75.3	75.3
5°	87.0	84.1	79.2	74.3	70.4	66.5	62.6	61.6	61.6	62.6	62.6
7.5°	87.0	82.2	75.3	69.4	63.6	57.7	54.8	52.8	53.8	53.8	53.8
10°	87.0	81.2	72.4	63.6	56.7	49.9	45.0	43.0	43.0	43.0	43.0
12.5°	86.1	80.2	69.4	58.7	48.9	41.1	35.2	32.3	33.3	33.3	33.3
15°	84.1	77.3	65.5	49.9	39.1	31.3	25.4	22.5	23.5	25.4	26.4
17.5°	81.2	74.3	58.7	42.1	31.3	23.5	17.6	15.6	16.6	19.6	19.6
20°	80.2	71.4	51.8	34.2	23.5	16.6	11.7	9.8	10.8	14.7	15.6
22.5°	80.2	69.4	46.9	28.4	17.6	10.8	6.8	3.9	3.9	6.8	6.8
25°	81.2	68.5	43.0	23.5	12.7	7.8	3.9	2.0	3.9	10.8	12.7
27.5°	83.1	67.5	41.1	19.6	9.8	6.8	2.9	6.8	11.7	11.7	11.7
30°	85.1	65.5	38.1	16.6	8.8	4.9	4.9	9.8	9.8	11.7	12.7
32.5°	88.0	64.5	36.2	14.7	6.8	3.9	6.8	5.9	5.9	6.8	7.8
35°	93.9	65.5	34.2	14.7	6.8	4.9	5.9	2.9	2.0	2.0	2.0
37.5°	101.7	66.5	31.3	12.7	5.9	5.9	2.9	0.0	0.0	0.0	0.0
40°	114.4	69.4	29.3	11.7	4.9	4.9	1.0	0.0	0.0	0.0	0.0
42.5°	135.9	75.3	28.4	10.8	4.9	3.9	0.0	0.0	0.0	0.0	0.0
45°	179.0	89.0	26.4	9.8	4.9	2.0	0.0	0.0	0.0	0.0	0.0
47.5°	257.2	121.3	25.4	7.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
50°	375.5	164.3	24.4	6.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	479.2	173.1	16.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	490.9	119.3	12.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	391.2	77.3	10.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	296.3	58.7	9.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	284.6	52.8	9.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	313.9	46.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	510.5	38.1	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	887.0	33.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1120.8	31.3	5.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	977.0	28.4	5.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	587.8	24.4	5.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	308.1	18.6	5.9	4.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0
80°	149.6	16.6	6.8	4.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	58.7	13.7	7.8	6.8	4.9	2.9	1.0	0.0	0.0	0.0	0.0
85°	26.4	11.7	8.8	7.8	6.8	3.9	1.0	0.0	0.0	0.0	0.0
87.5°	13.7	10.8	9.8	8.8	6.8	4.9	2.0	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

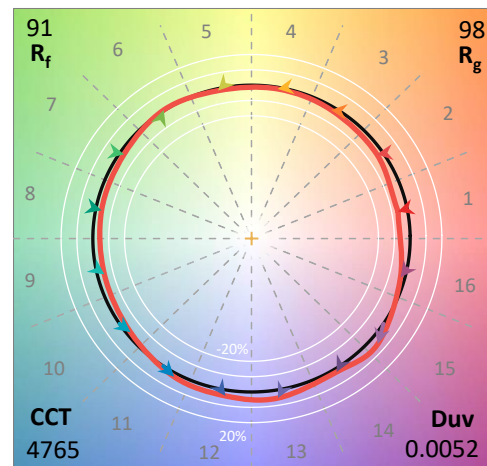
Test Information

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

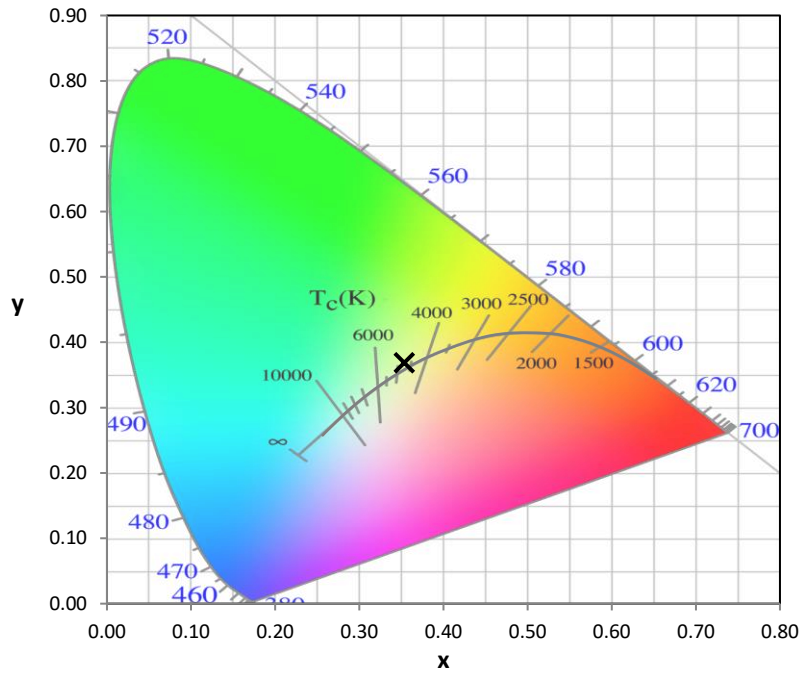
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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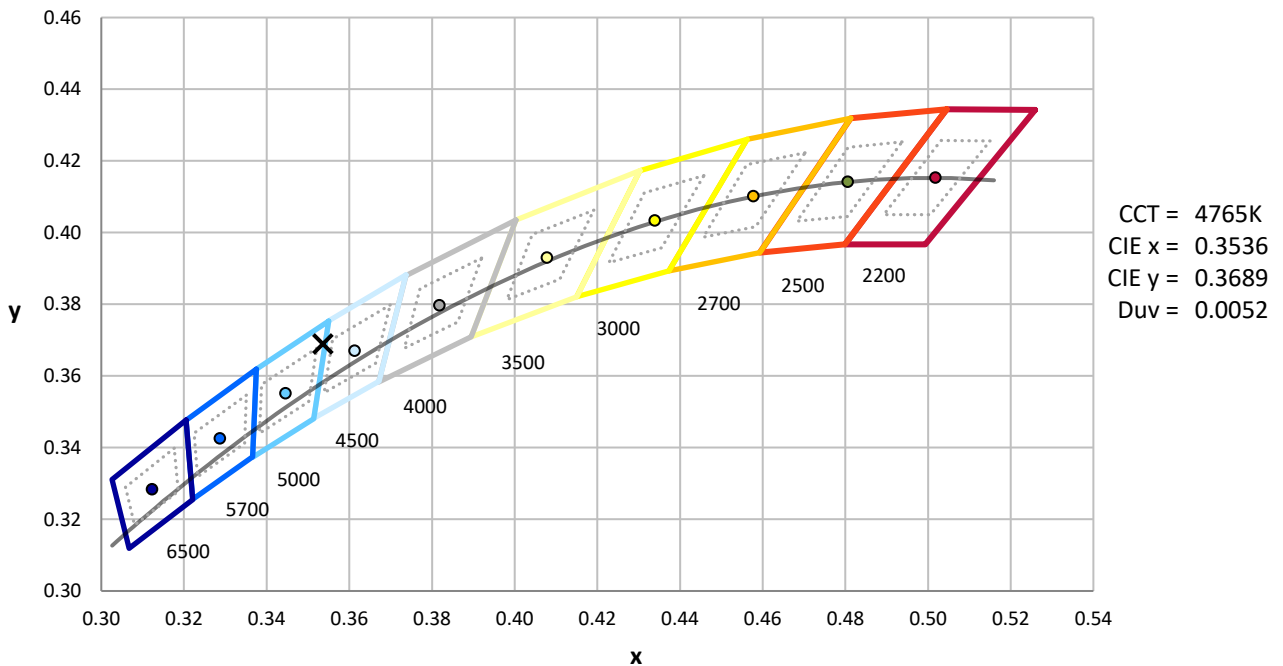
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



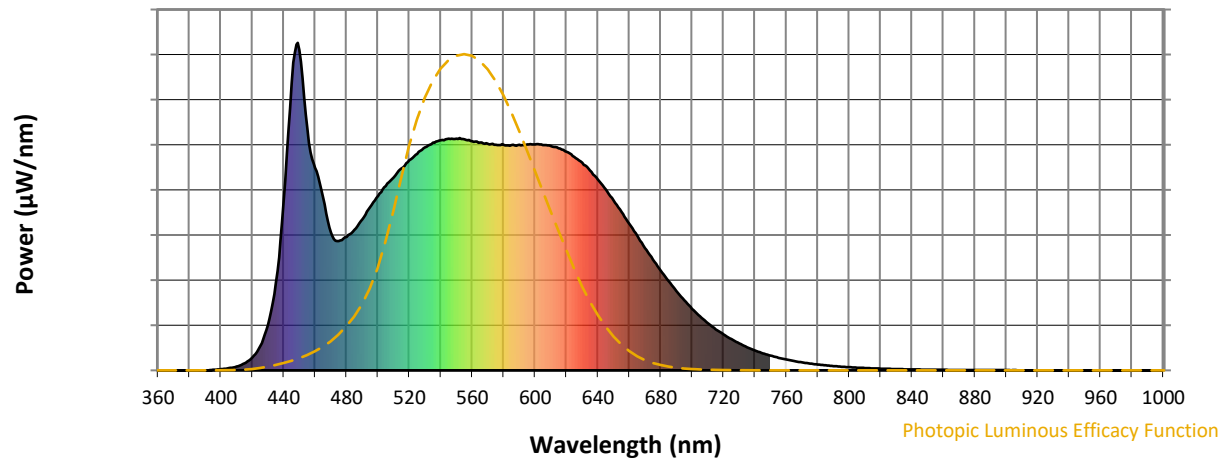
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

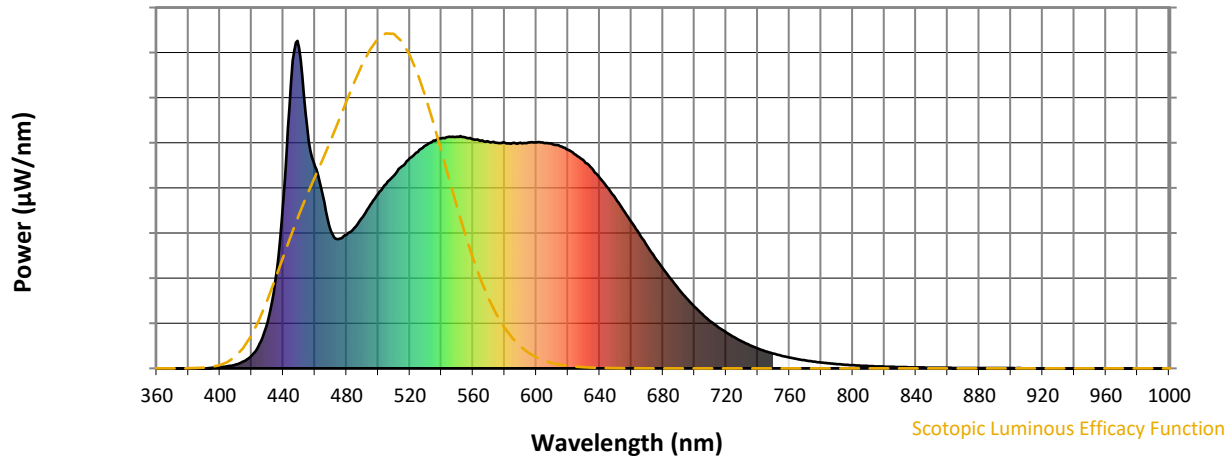


Photopic Lumens: NR

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



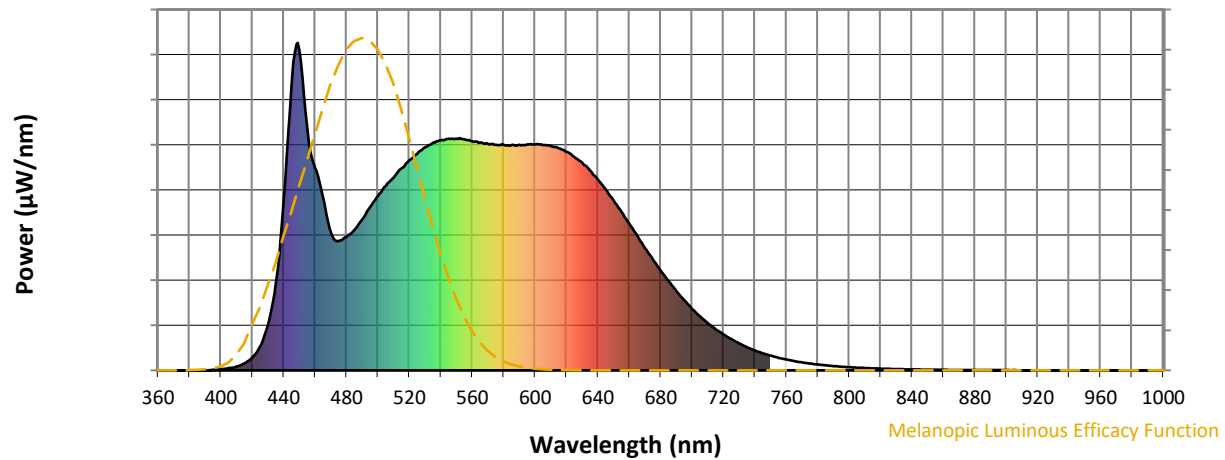
Scotopic Lumens: NR

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

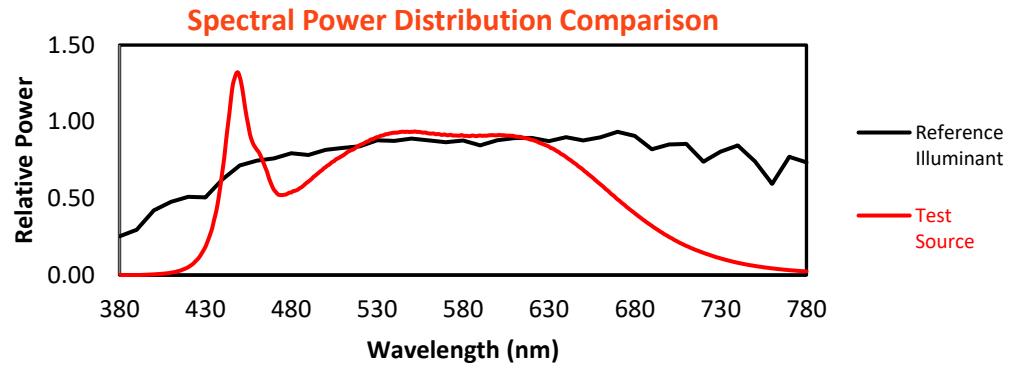
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	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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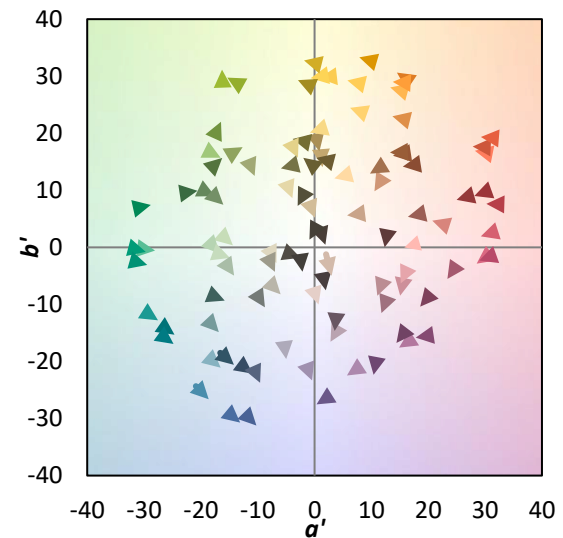
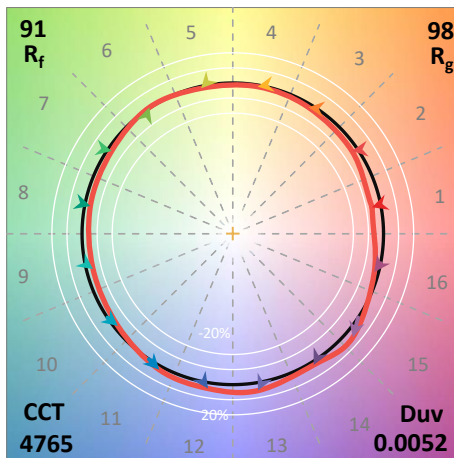
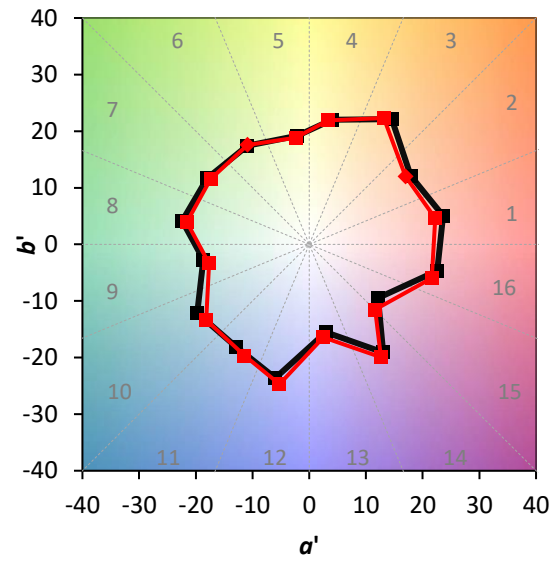
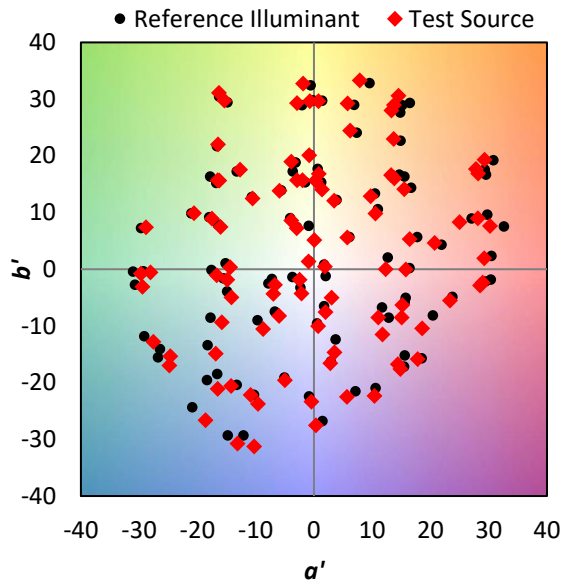
TM-30-18

Summary

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

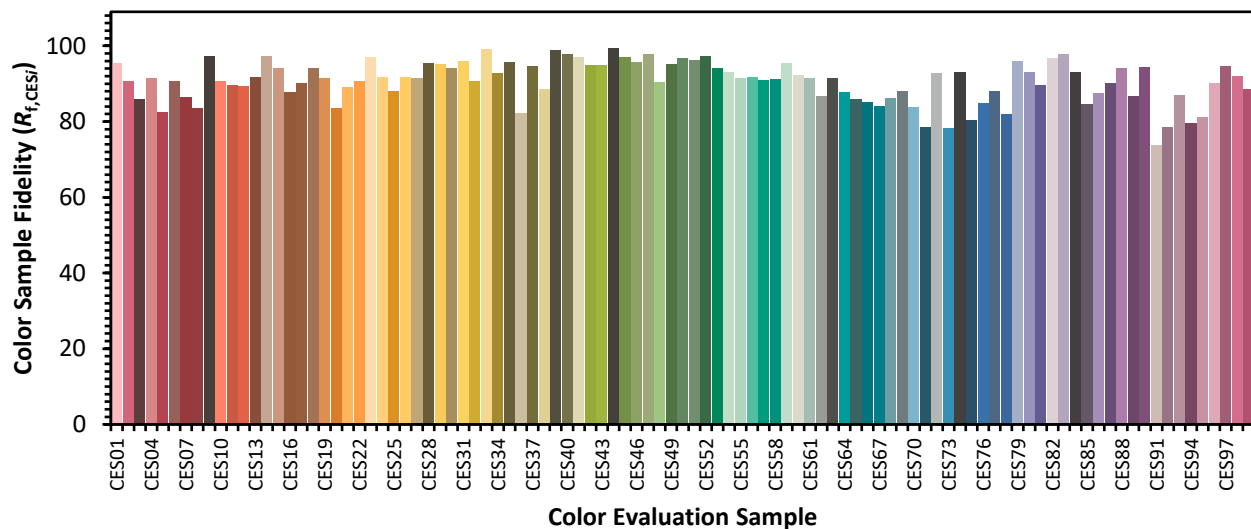


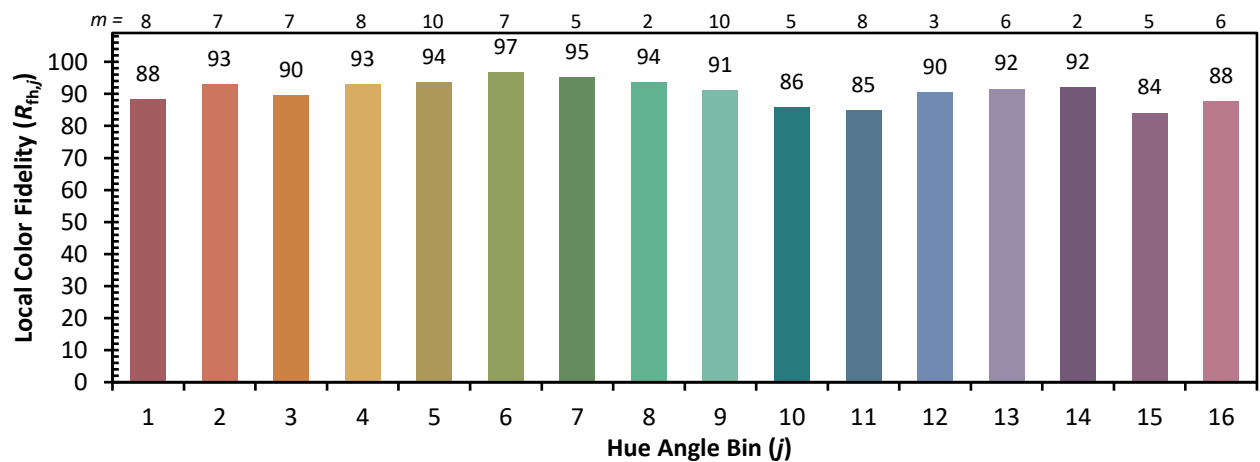
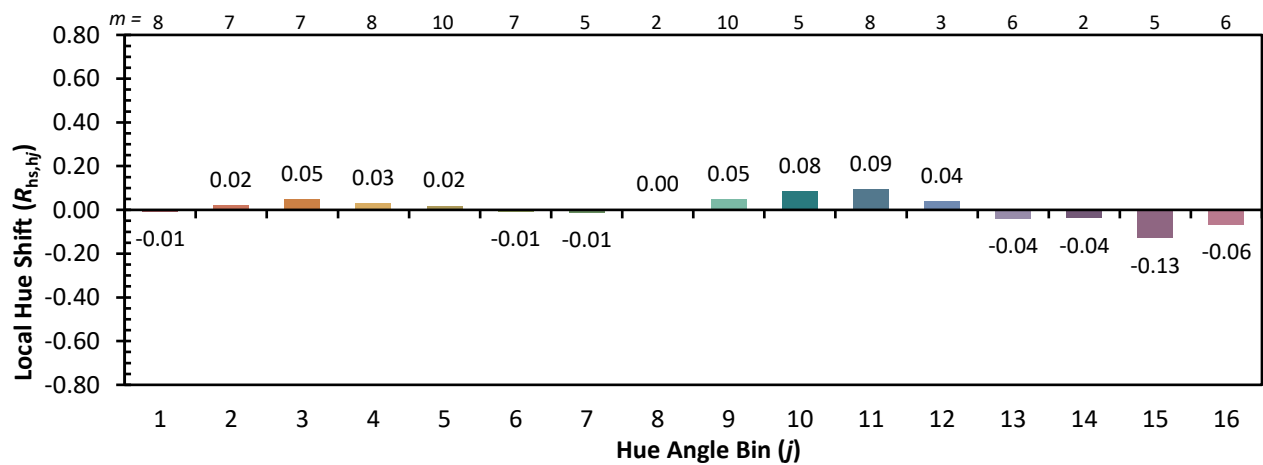
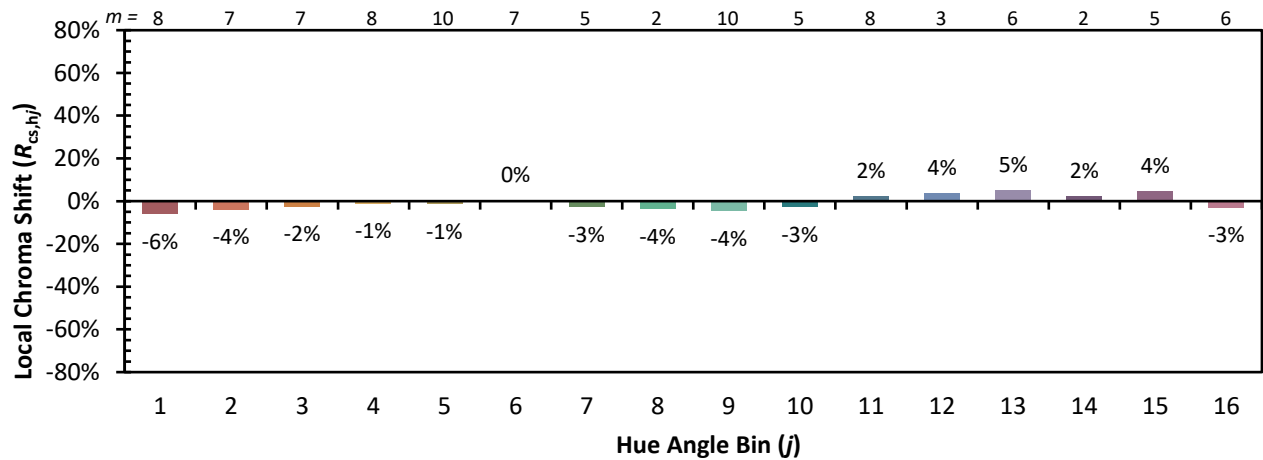
Color Vector Graphics



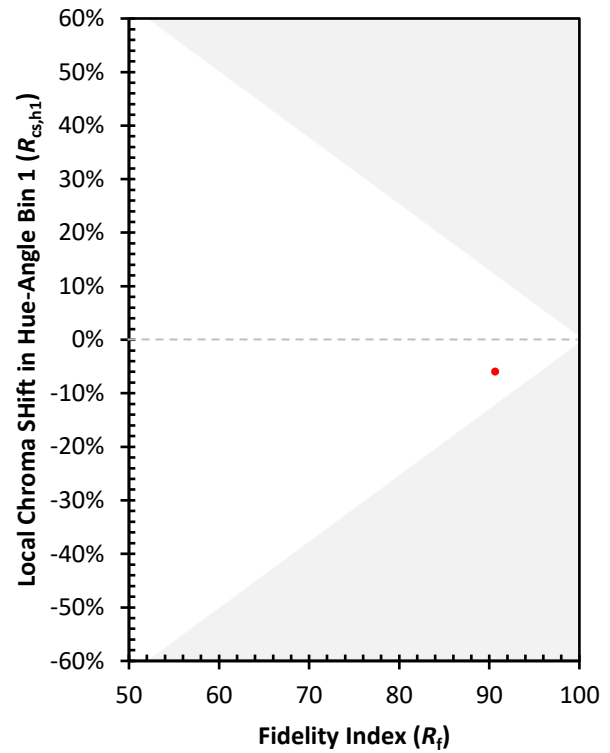
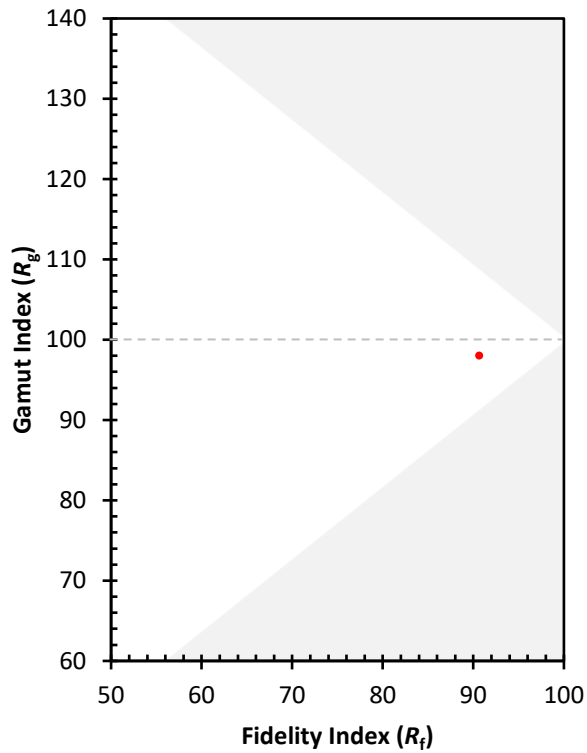
Individual Sample Fidelity Index ($R_{f,i}$)

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)