

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: P1047601

Luminaire Tested: **GALN-SA4A-950-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047601
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-950-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12081.8 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107.4
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

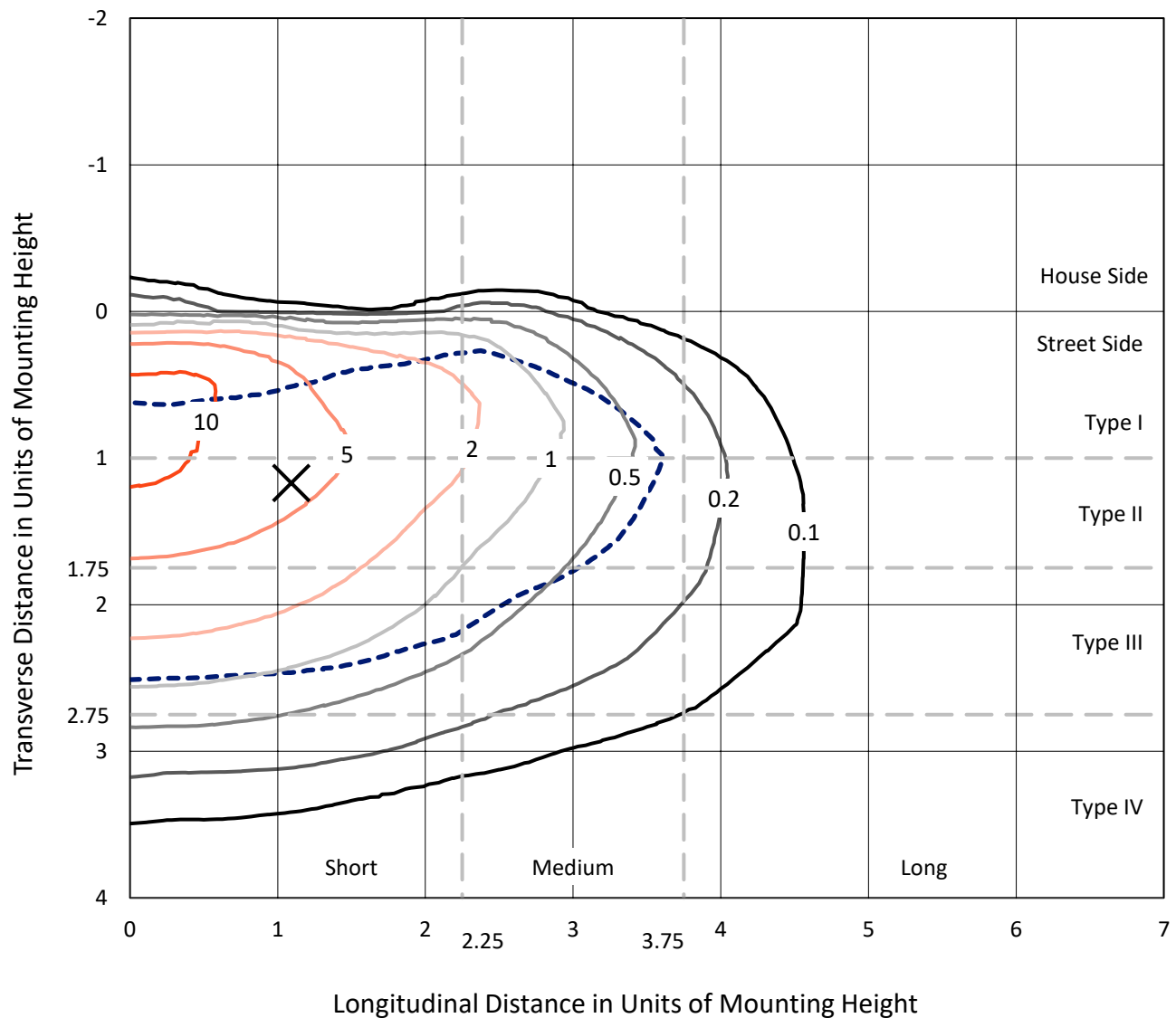


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

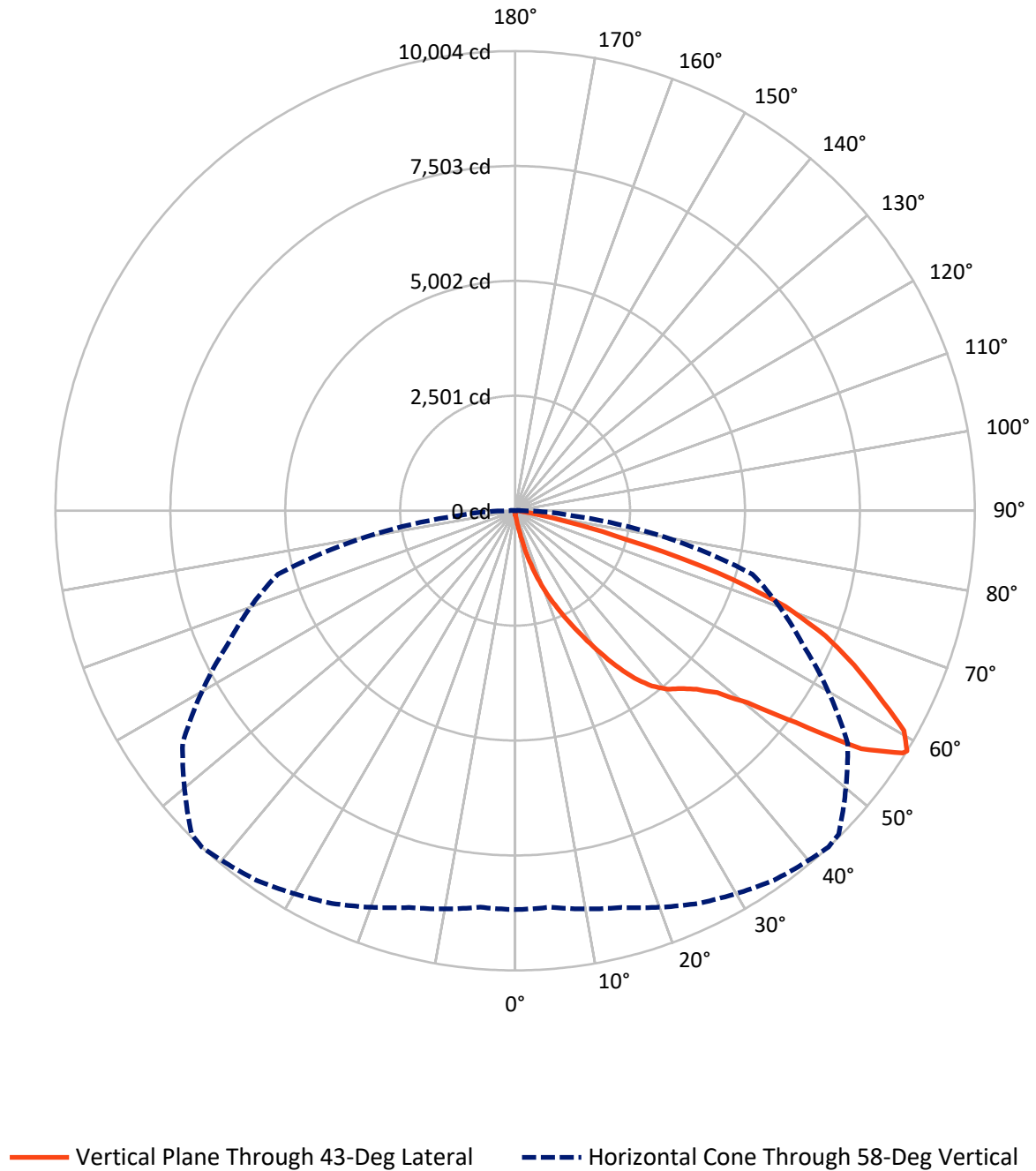


Based on 15 foot mounting height. Maximum calculated value = 13.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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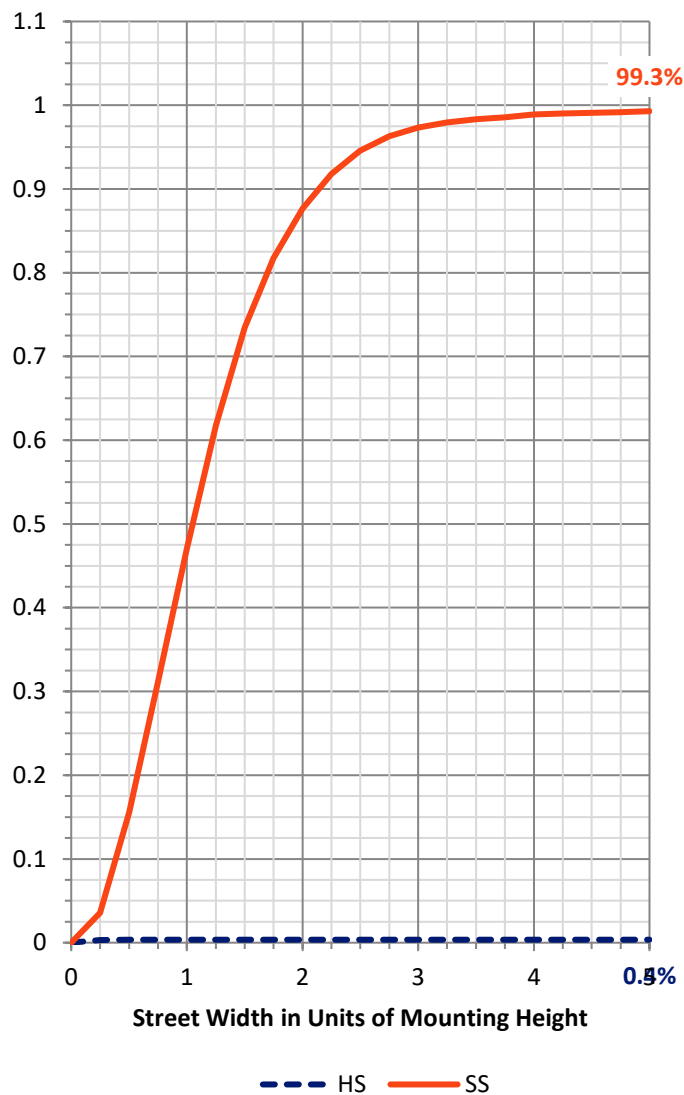
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	44.1	0.0	44.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12037.6	0.0	12037.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	12081.8	0.0	12081.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.1
10°-20°	138.9	1.1
20°-30°	500.6	4.1
30°-40°	1145.3	9.5
40°-50°	1931.6	16.0
50°-60°	3187.7	26.4
60°-70°	3562.6	29.5
70°-80°	1471.0	12.2
80°-90°	132.6	1.1
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°	12081.8	100.0
0°-180°	12081.8	100.0



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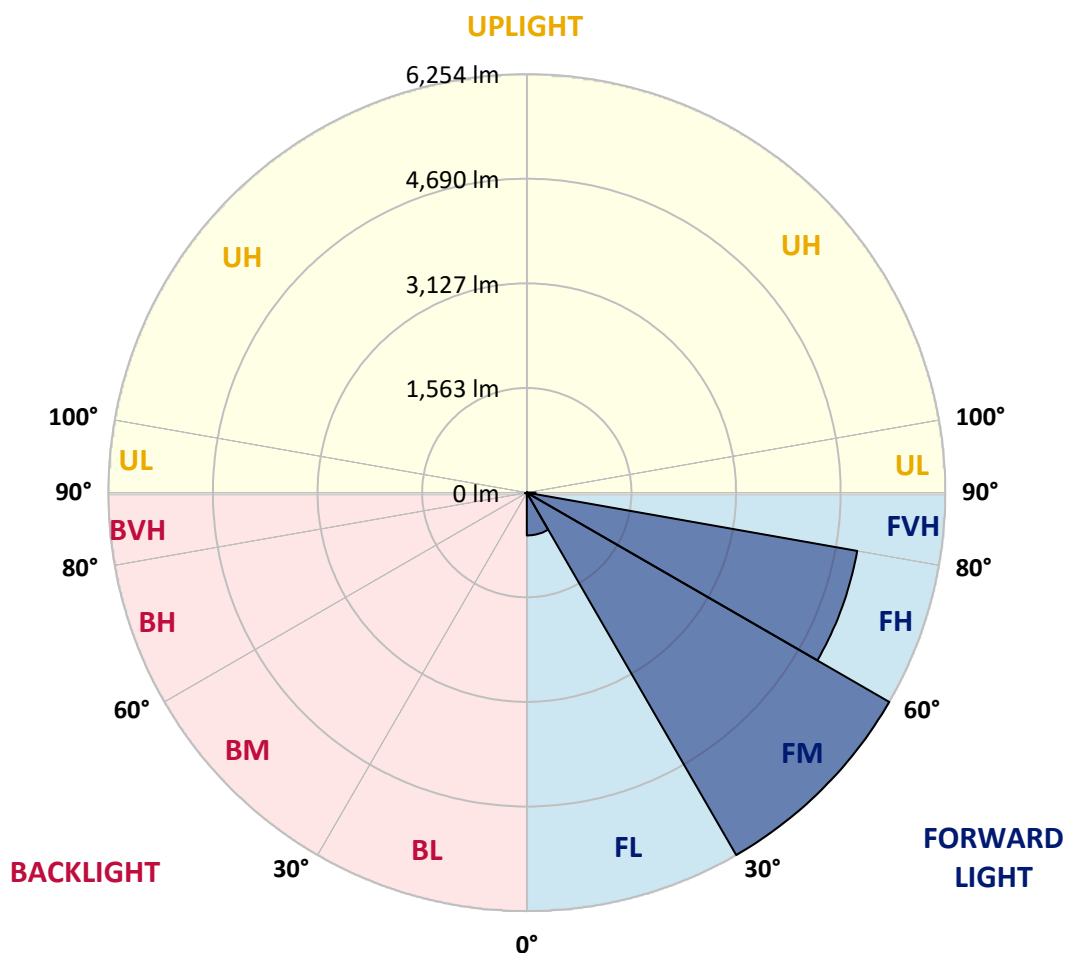
CATALOG NUMBER: GALN-SA4A-950-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	639.5	5.3			
FM	(30°-60°)	6254.0	51.8			
FH	(60°-80°)	5013.4	41.5			G3/7500
FVH	(80°-90°)	130.8	1.1			G2/225
BL	(0°-30°)	11.5	0.1	B0/110		
BM	(30°-60°)	10.6	0.1	B0/220		
BH	(60°-80°)	20.2	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
2.5°	94.8	98.0	94.8	94.8	94.8	91.6	91.6	88.5	88.5	85.3	82.2
5°	139.0	139.0	129.6	123.2	116.9	113.8	110.6	104.3	98.0	91.6	85.3
7.5°	309.7	309.7	281.2	243.3	192.8	164.3	158.0	129.6	110.6	98.0	85.3
10°	739.4	739.4	676.2	571.9	442.4	328.6	293.9	186.4	132.7	104.3	88.5
12.5°	1229.2	1245.0	1166.0	1033.3	840.5	641.5	571.9	341.3	177.0	113.8	88.5
15°	1668.4	1630.5	1608.4	1482.0	1298.7	1061.7	973.2	575.1	256.0	129.6	88.5
17.5°	1965.4	1965.4	1933.8	1848.5	1681.1	1472.5	1399.8	929.0	413.9	148.5	91.6
20°	2313.0	2313.0	2256.2	2196.1	2047.6	1870.6	1801.1	1320.8	641.5	189.6	91.6
22.5°	2733.3	2739.6	2676.4	2569.0	2426.8	2230.9	2170.8	1684.2	929.0	252.8	94.8
25°	3245.2	3251.5	3159.9	3058.8	2840.7	2629.0	2537.4	2101.3	1279.8	353.9	94.8
27.5°	3810.8	3855.0	3719.2	3545.4	3314.7	3049.3	2979.8	2477.3	1627.3	499.3	101.1
30°	4515.5	4515.5	4335.4	4092.0	3842.4	3513.8	3425.3	2872.3	1997.0	692.0	107.4
32.5°	5122.2	5074.8	4844.1	4588.1	4322.7	4016.2	3921.4	3286.3	2376.2	932.2	120.1
35°	5586.7	5545.6	5261.2	4986.3	4755.6	4474.4	4360.6	3735.0	2777.5	1203.9	139.0
37.5°	5984.8	5969.0	5583.5	5239.1	5087.4	4840.9	4739.8	4158.4	3172.5	1497.8	161.2
40°	6420.9	6370.3	5959.5	5532.9	5305.4	5106.4	5014.7	4499.7	3551.7	1842.2	192.8
42.5°	6793.7	6733.7	6364.0	5946.9	5558.2	5289.6	5201.2	4787.2	3921.4	2186.6	233.8
45°	7207.7	7176.1	6803.2	6487.2	5969.0	5539.3	5422.3	5017.9	4259.5	2597.4	287.5
47.5°	7830.2	7773.3	7425.7	7166.6	6566.2	5918.4	5751.0	5254.9	4585.0	3001.9	369.7
50°	8553.8	8515.9	8310.5	8105.1	7507.9	6566.2	6367.2	5596.1	4948.4	3482.2	477.1
52.5°	9144.7	9138.4	9163.6	9166.8	8714.9	7656.4	7359.4	6146.0	5365.5	3956.2	628.8
55°	9132.0	9160.5	9438.6	9757.7	9792.5	9144.7	8857.1	7071.8	5909.0	4540.7	840.5
57.5°	8790.8	8768.7	9062.5	9542.8	9880.9	9950.5	9903.1	8509.5	6727.4	5245.4	1166.0
58°	8680.2	8661.2	8939.3	9429.1	9817.7	10004.2	9956.8	8835.0	6910.7	5346.5	1254.5
60°	8278.9	8282.0	8446.4	8891.9	9280.6	9722.9	9767.2	9764.0	7823.9	6022.7	1700.0
62.5°	7748.0	7722.7	7874.4	8237.8	8579.1	8876.1	8951.9	9827.2	9160.5	6882.2	2550.0
65°	7014.9	6977.0	7138.2	7548.9	7915.5	8108.2	8111.4	8980.4	9789.3	7804.9	3763.4
67.5°	5653.0	5621.4	5943.7	6471.4	7037.0	7289.8	7403.6	7792.3	9258.4	8430.6	4458.6
70°	3463.2	3529.6	3978.3	4806.2	5773.1	6237.6	6408.2	6528.3	7883.9	8335.8	3728.7
72.5°	1598.9	1519.9	1902.2	2480.5	3583.3	4616.6	4793.5	5264.4	6250.2	7236.1	2780.7
75°	745.7	717.3	805.8	1083.8	1624.2	2493.1	2815.5	4202.6	4793.5	5033.7	2006.5
77.5°	382.3	385.5	458.2	492.9	669.9	1153.4	1324.0	2764.9	3513.8	2809.1	1346.1
80°	167.5	173.8	177.0	192.8	271.7	445.5	502.4	1282.9	2401.5	1431.4	736.3
82.5°	107.4	110.6	110.6	110.6	129.6	177.0	202.2	515.1	1197.6	711.0	227.5
85°	56.9	56.9	63.2	79.0	91.6	107.4	113.8	164.3	395.0	211.7	53.7
87.5°	31.6	34.8	37.9	47.4	60.0	72.7	79.0	113.8	151.7	145.4	12.6
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: P1047601

CATALOG NUMBER: GALN-SA4A-950-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
2.5°	82.2	79.0	75.8	72.7	69.5	66.4	66.4	66.4	66.4	66.4	66.4
5°	79.0	75.8	72.7	66.4	60.0	56.9	53.7	50.6	50.6	50.6	50.6
7.5°	79.0	75.8	66.4	60.0	53.7	47.4	41.1	41.1	41.1	41.1	41.1
10°	79.0	72.7	63.2	53.7	44.2	37.9	34.8	31.6	31.6	31.6	31.6
12.5°	79.0	69.5	60.0	47.4	37.9	31.6	28.4	25.3	25.3	25.3	25.3
15°	79.0	69.5	56.9	44.2	34.8	25.3	22.1	19.0	19.0	19.0	19.0
17.5°	75.8	66.4	53.7	37.9	28.4	19.0	15.8	12.6	12.6	15.8	15.8
20°	72.7	63.2	47.4	31.6	22.1	15.8	9.5	9.5	9.5	9.5	9.5
22.5°	72.7	63.2	44.2	28.4	19.0	9.5	6.3	6.3	6.3	6.3	9.5
25°	72.7	60.0	37.9	22.1	12.6	6.3	3.2	3.2	3.2	3.2	3.2
27.5°	72.7	60.0	34.8	19.0	9.5	6.3	3.2	0.0	0.0	0.0	0.0
30°	69.5	56.9	31.6	15.8	6.3	3.2	0.0	0.0	0.0	0.0	0.0
32.5°	69.5	53.7	25.3	12.6	6.3	3.2	0.0	0.0	0.0	0.0	0.0
35°	72.7	50.6	22.1	9.5	3.2	0.0	0.0	0.0	0.0	0.0	3.2
37.5°	75.8	47.4	19.0	6.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	79.0	44.2	19.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	85.3	44.2	15.8	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	91.6	44.2	12.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	104.3	47.4	12.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	113.8	50.6	9.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	126.4	47.4	9.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	142.2	47.4	9.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	154.8	44.2	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	161.2	41.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	192.8	37.9	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	300.2	31.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	609.9	28.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1137.6	25.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1273.4	28.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	802.6	22.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	423.4	22.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	211.7	22.1	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	98.0	15.8	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.1	9.5	6.3	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.0	9.5	6.3	6.3	3.2	3.2	0.0	0.0	0.0	0.0	0.0
87.5°	9.5	9.5	9.5	6.3	6.3	3.2	3.2	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

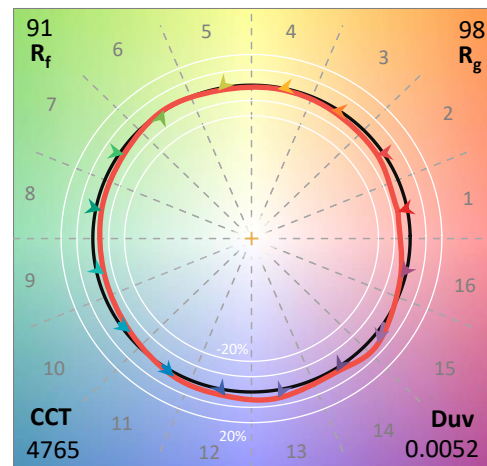
Test Information

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

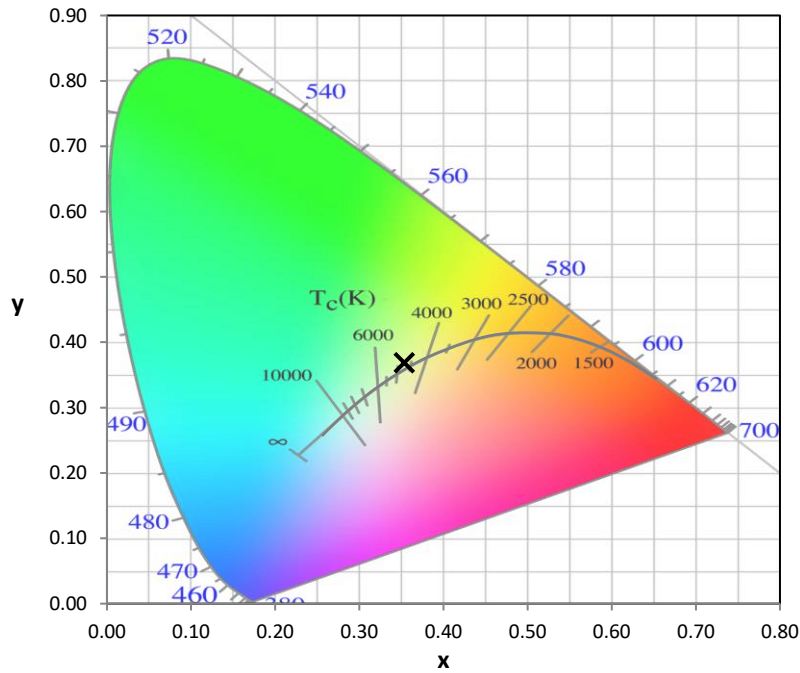
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

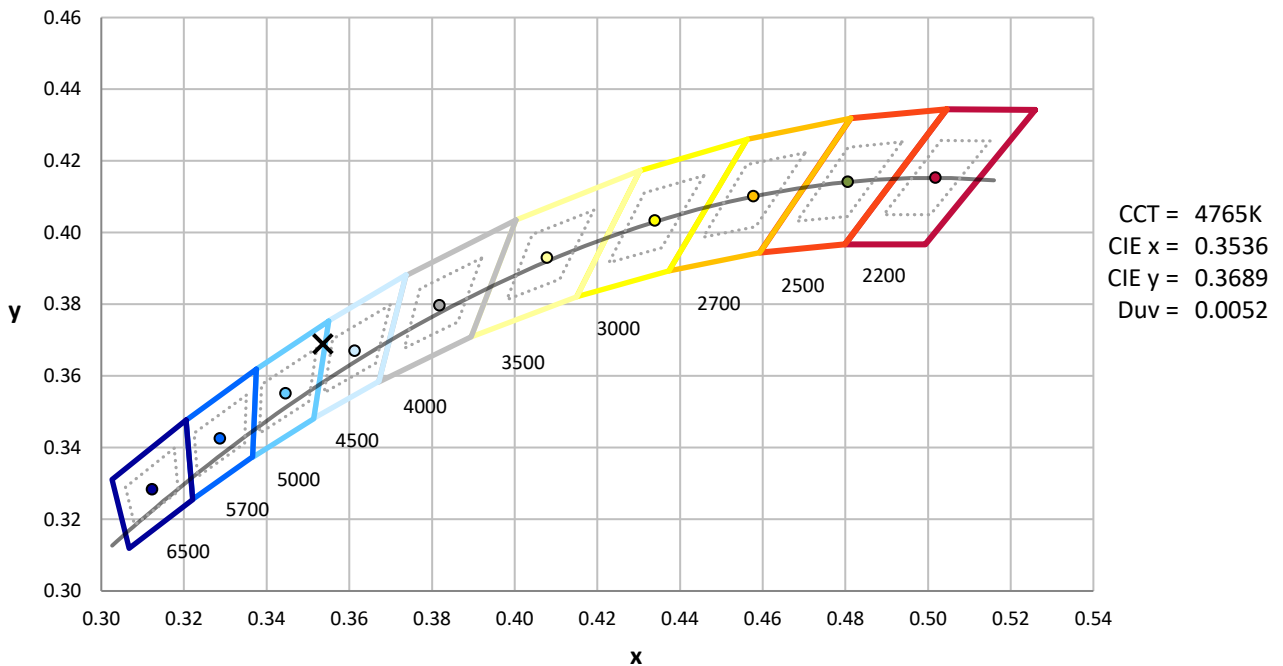
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



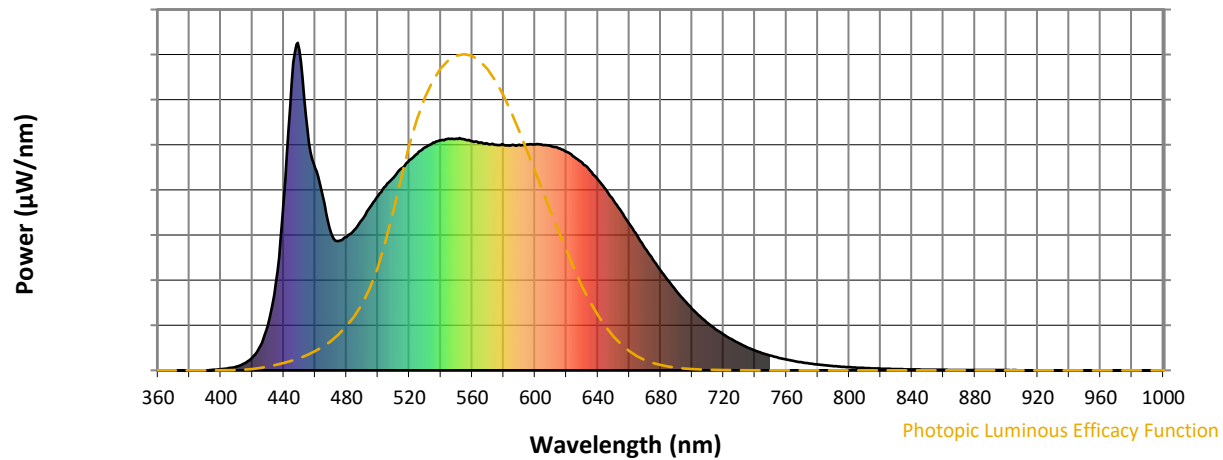
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

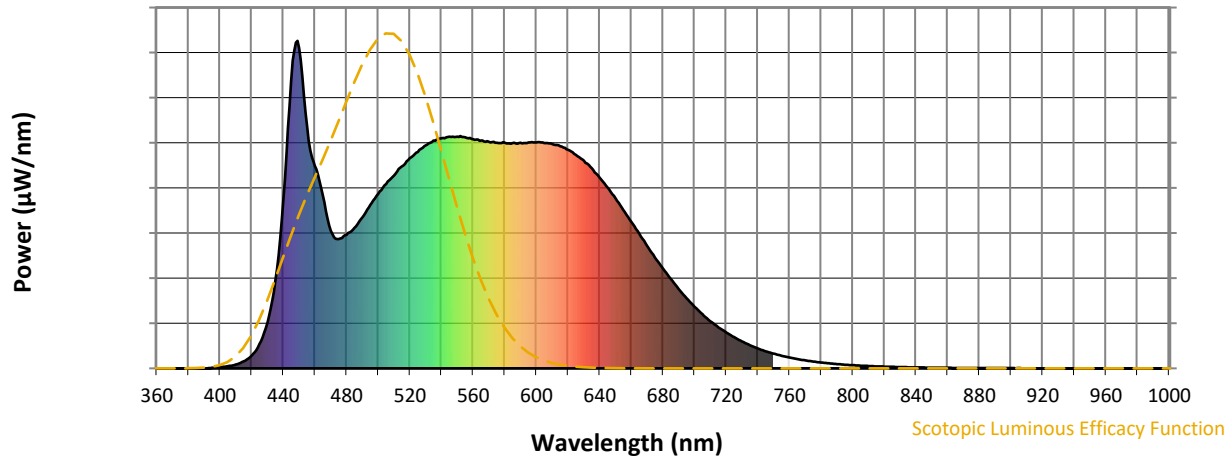


Photopic Lumens: NR

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



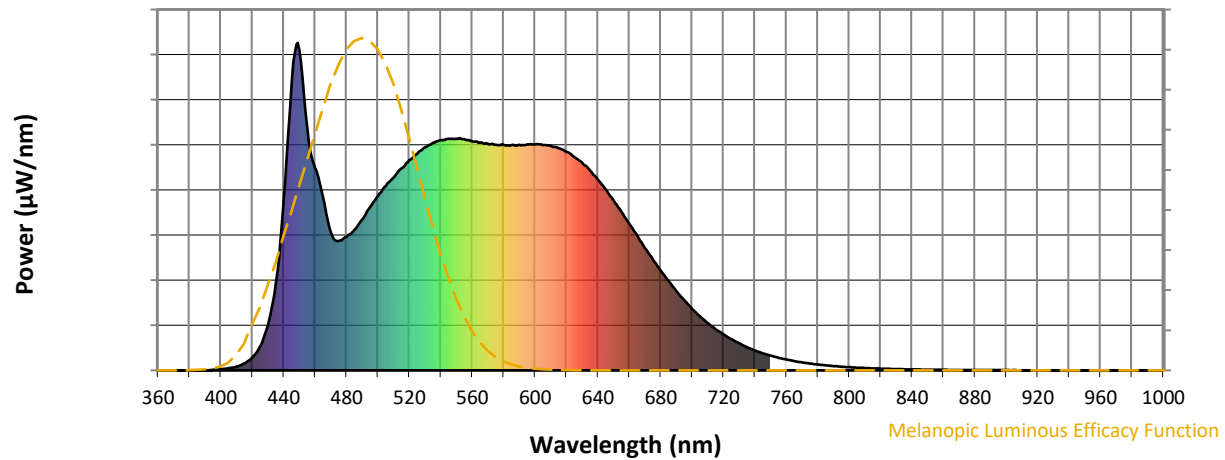
Scotopic Lumens: NR

S/P: 1.99

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 4.22

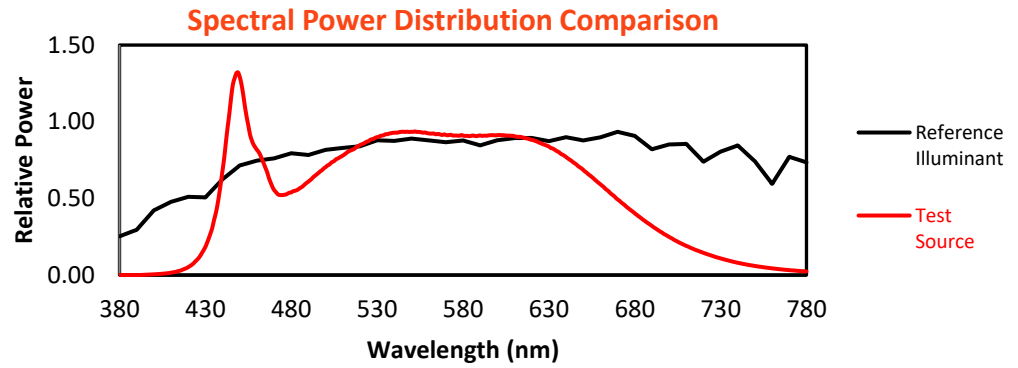
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462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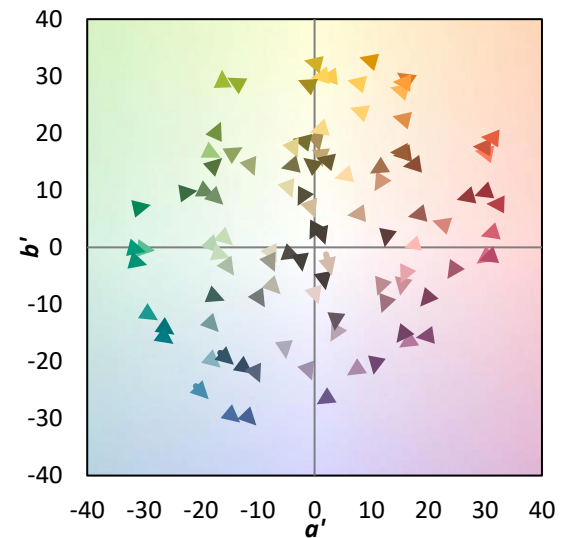
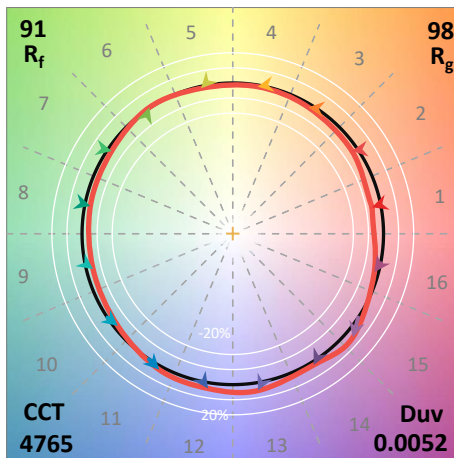
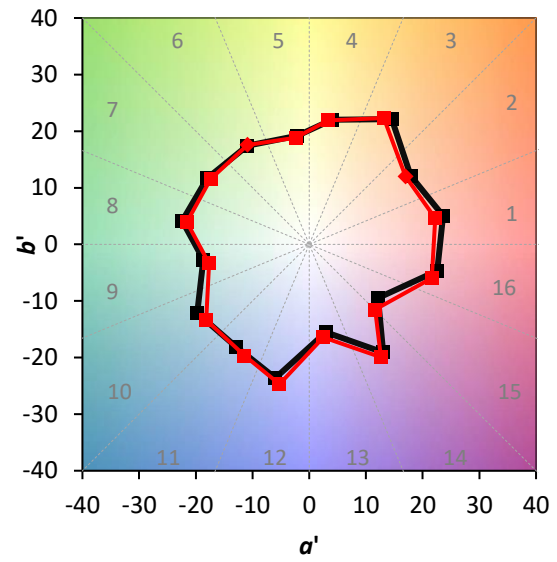
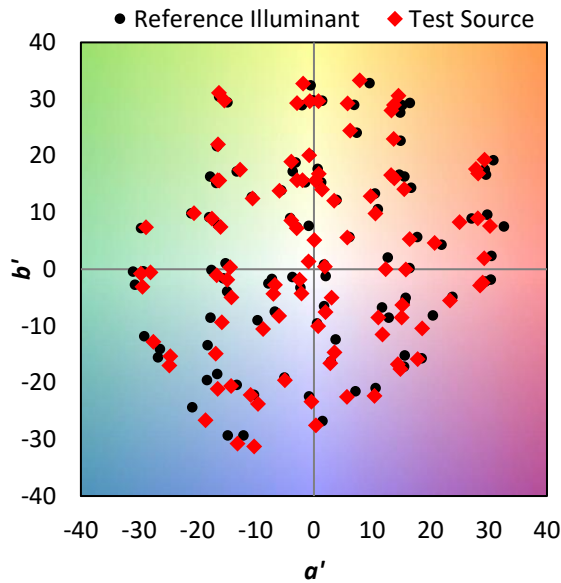
TM-30-18

Summary

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

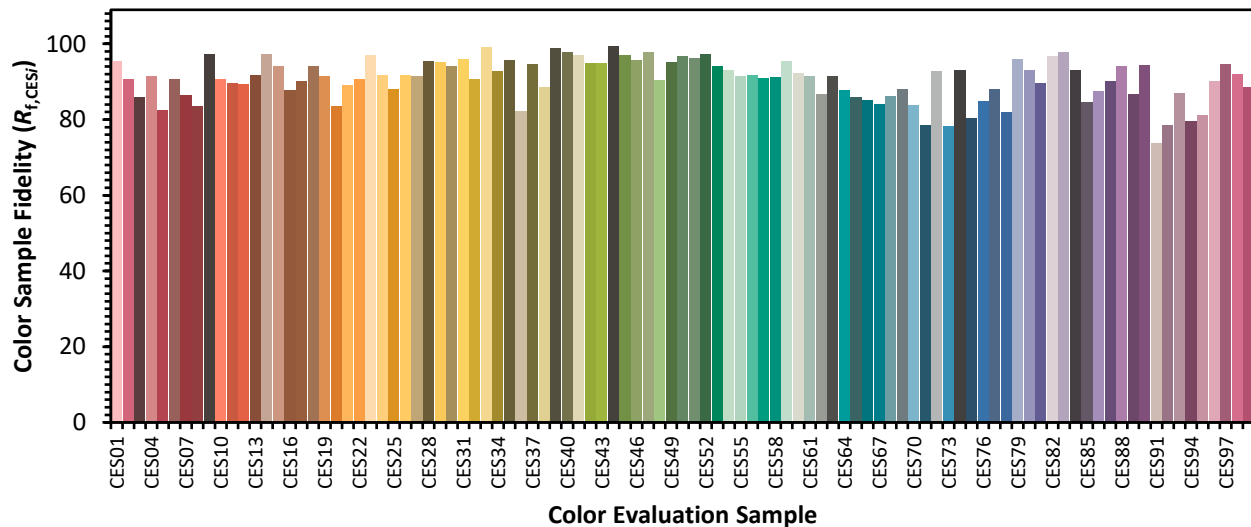


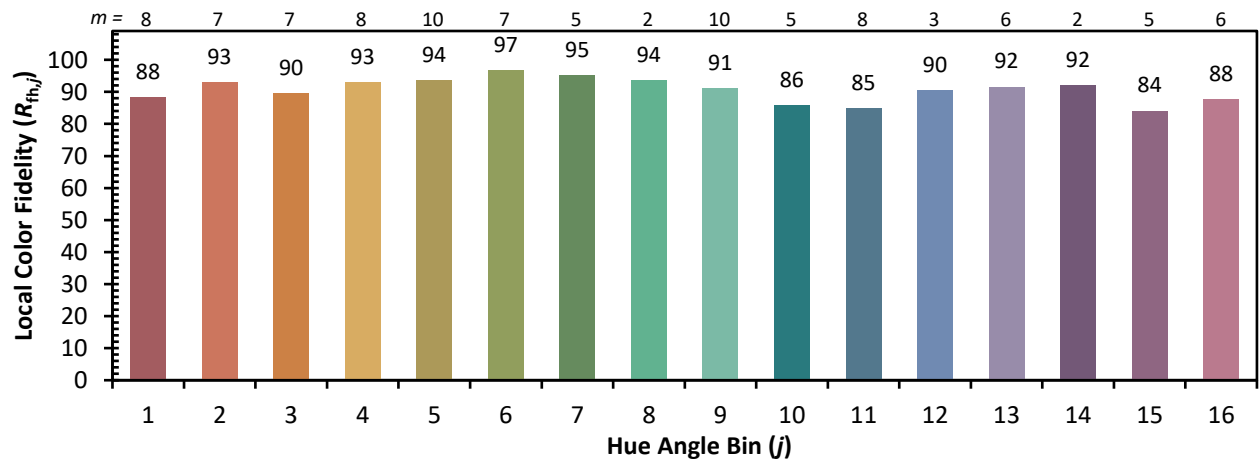
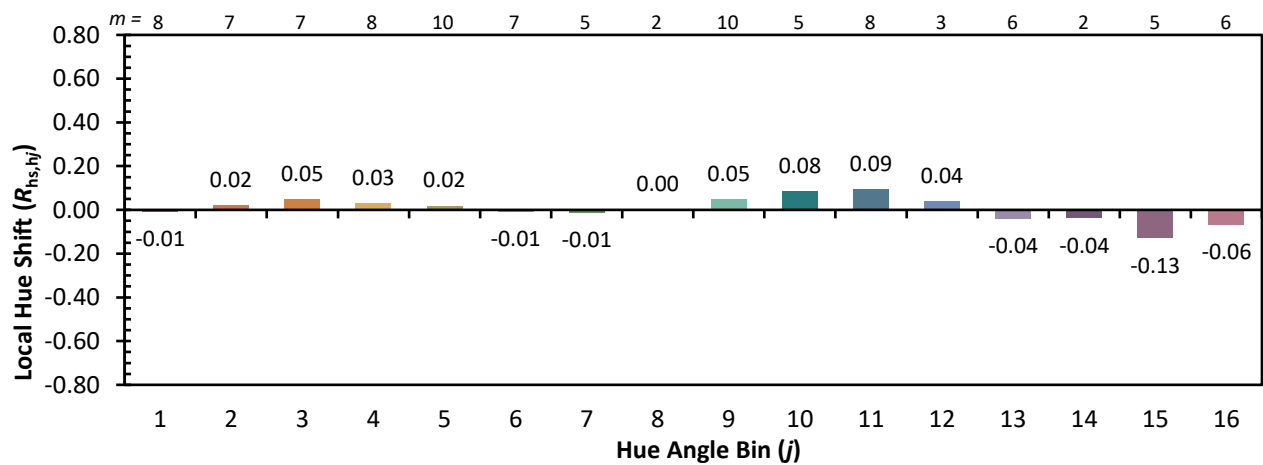
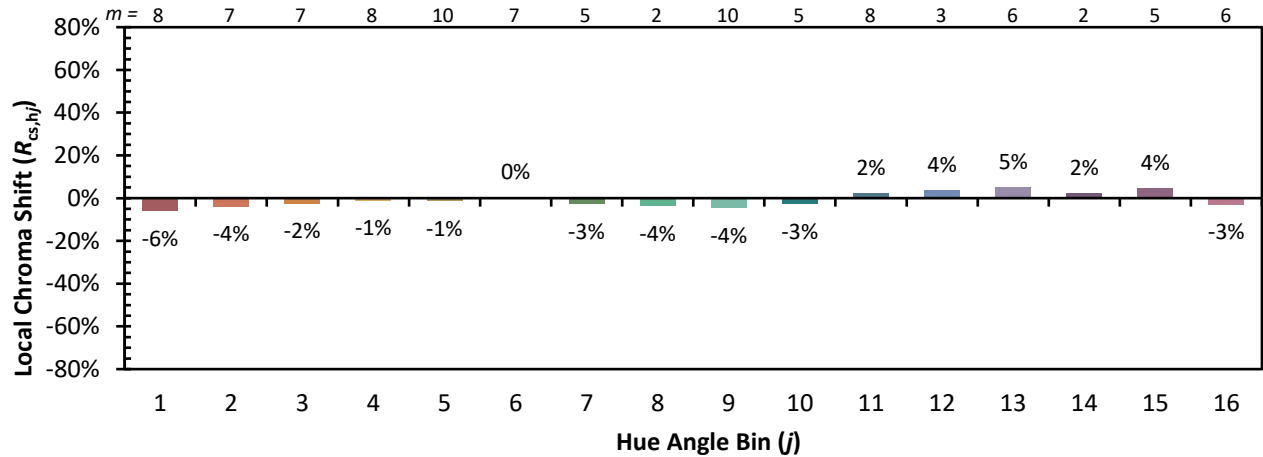
Color Vector Graphics



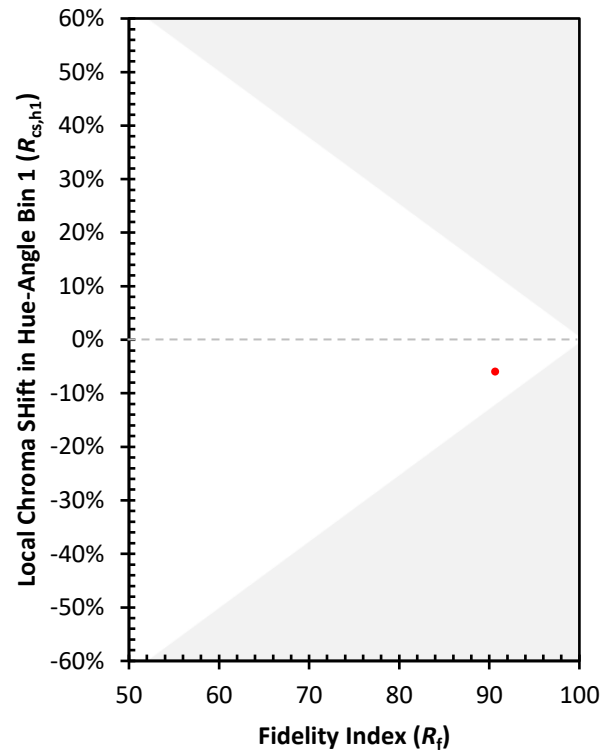
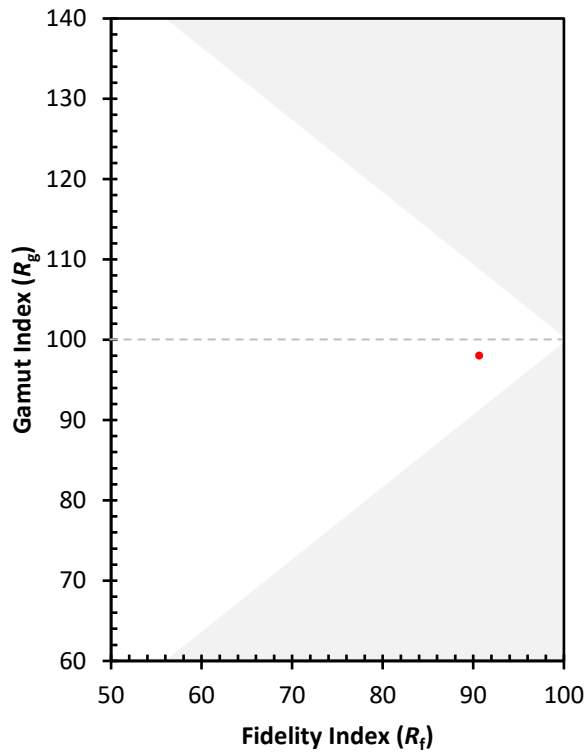
Individual Sample Fidelity Index ($R_{f,i}$)

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)