

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: P1048845

Luminaire Tested: **GALN-SA9A-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048845
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9A-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 9xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (126) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25803.9 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 244.6
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

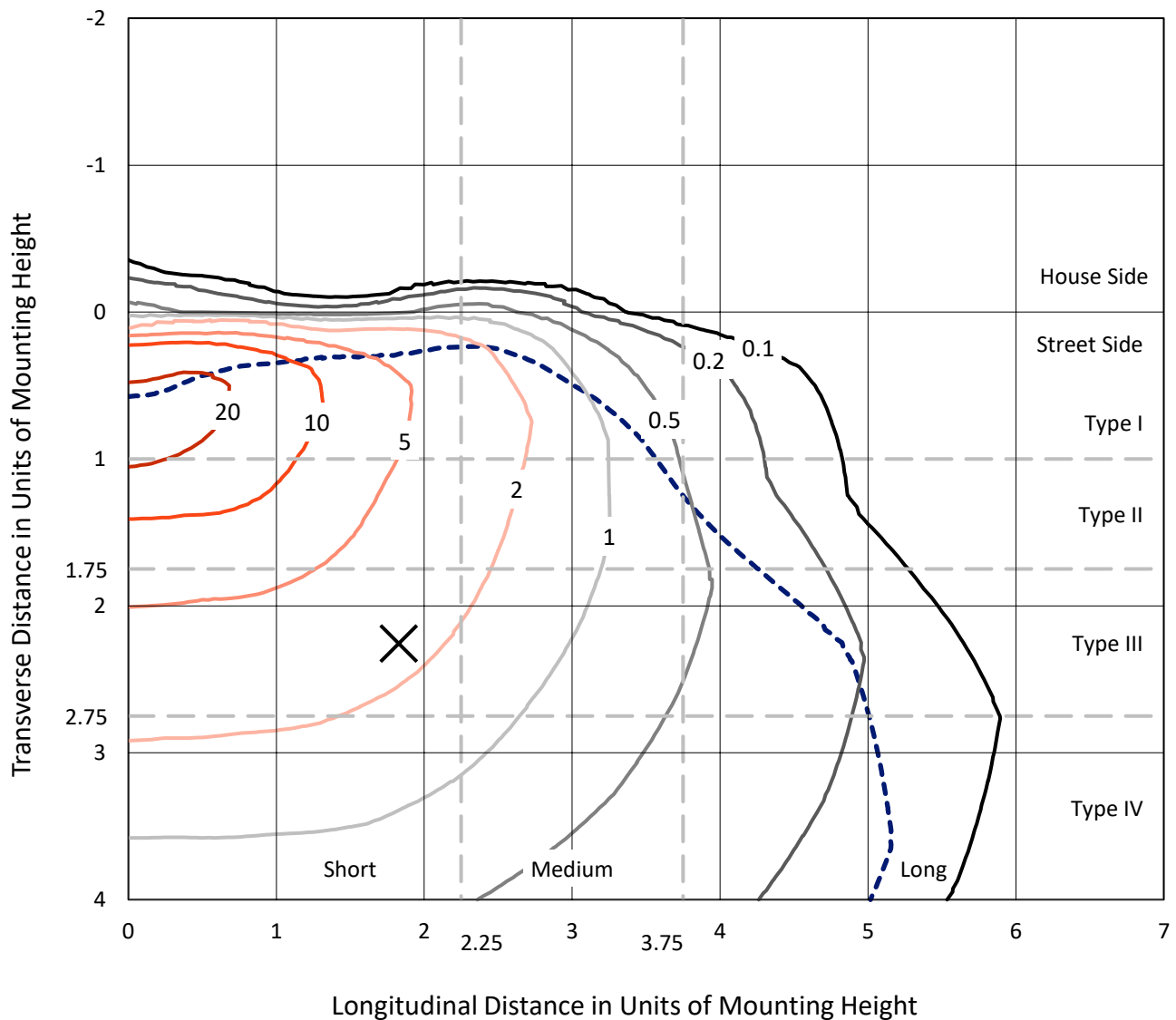


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

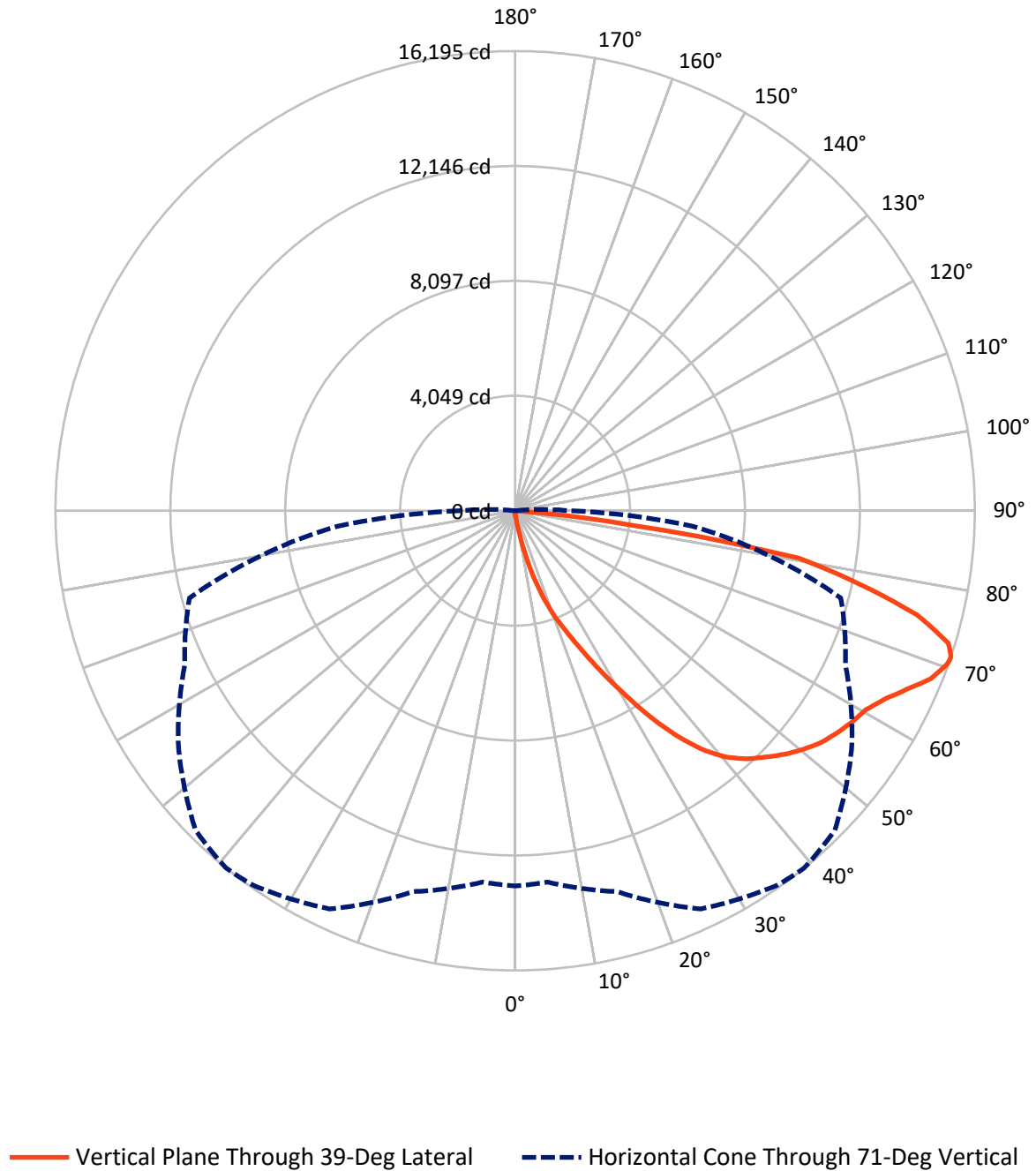


Based on 15 foot mounting height. Maximum calculated value = 26.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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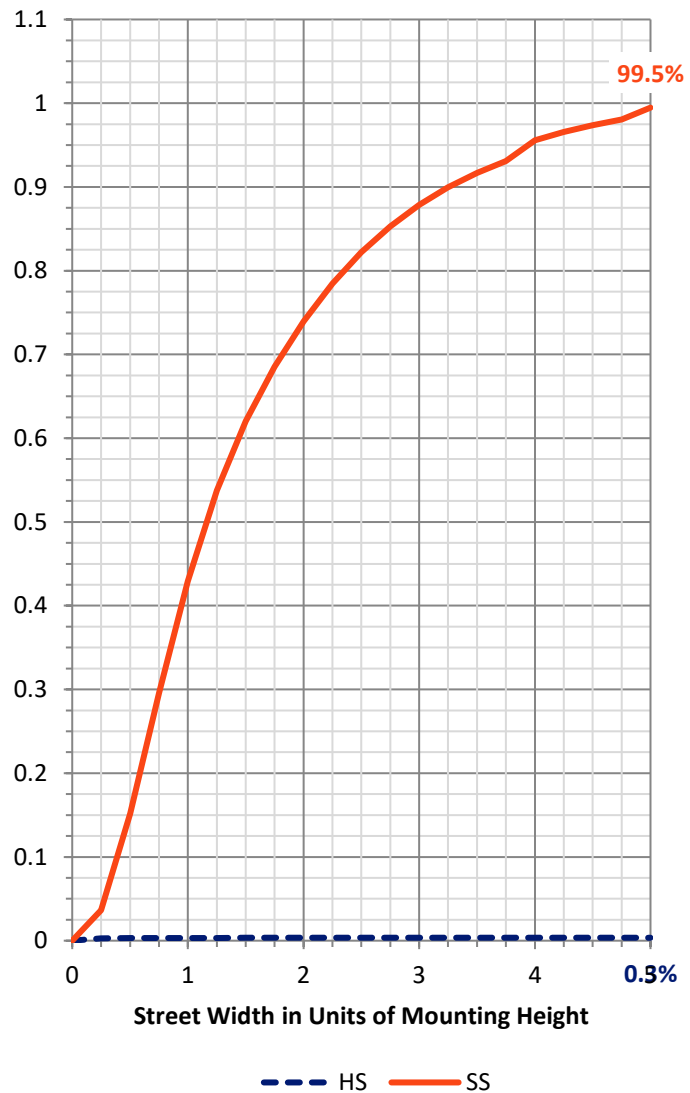
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	91.7	0.0	91.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	25712.3	0.0	25712.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	25803.9	0.0	25803.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.1
10°-20°	275.8	1.1
20°-30°	982.2	3.8
30°-40°	2367.1	9.2
40°-50°	3961.5	15.4
50°-60°	5088.1	19.7
60°-70°	6439.0	25.0
70°-80°	5740.7	22.2
80°-90°	927.9	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°	25803.9	100.0
0°-180°	25803.9	100.0



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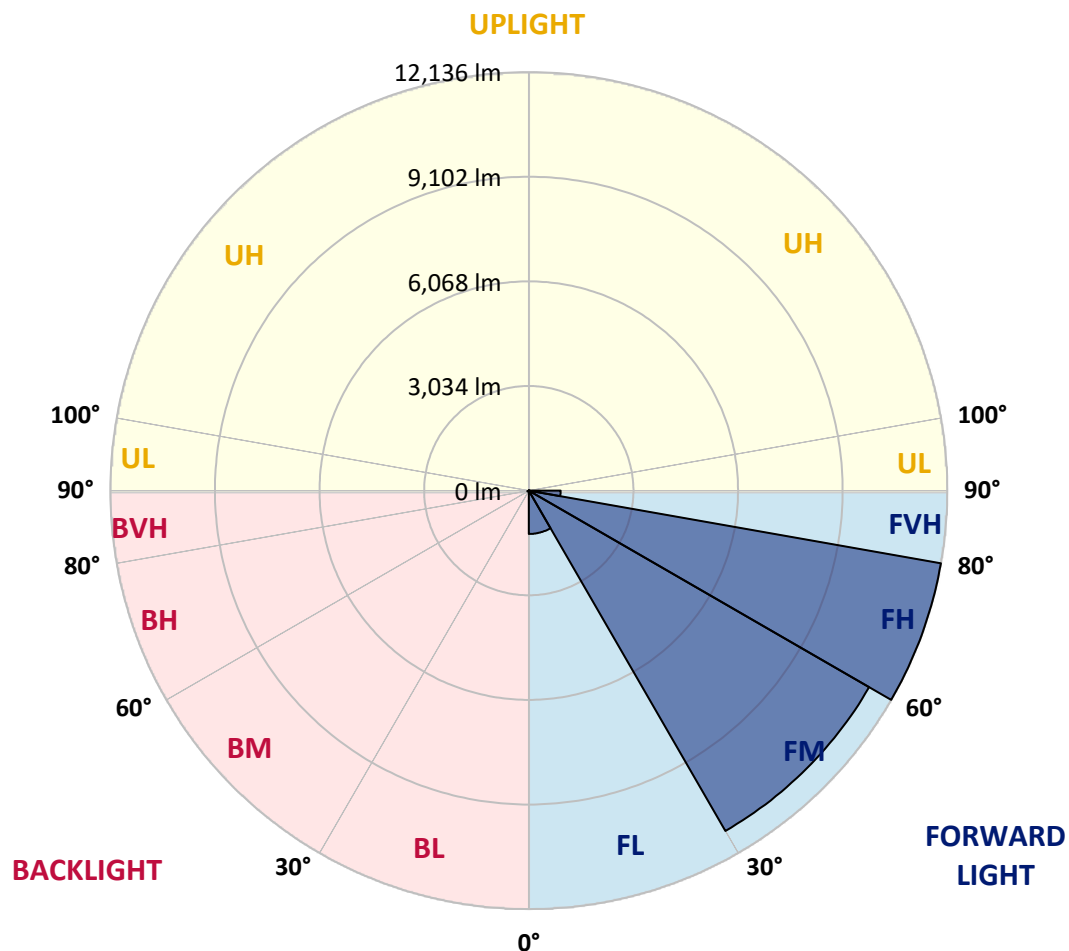
CATALOG NUMBER: GALN-SA9A-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1257.3	4.9			
FM	(30°-60°)	11395.5	44.2			
FH	(60°-80°)	12135.6	47.0			G5
FVH	(80°-90°)	923.7	3.6			G5
BL	(0°-30°)	22.2	0.1	B0/110		
BM	(30°-60°)	21.2	0.1	B0/220		
BH	(60°-80°)	44.1	0.2	B0/110		G0/110
BVH	(80°-90°)	4.2	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5
2.5°	162.5	162.5	162.5	157.2	157.2	155.5	153.7	153.7	150.2	148.5	145.0
5°	246.3	241.1	228.8	221.8	207.9	199.1	190.4	178.2	165.9	157.2	146.7
7.5°	557.2	569.5	529.3	454.2	377.3	344.1	288.2	232.3	192.1	165.9	148.5
10°	1420.1	1413.2	1276.9	1126.7	869.9	766.8	600.9	379.1	248.0	181.7	150.2
12.5°	2415.8	2408.8	2248.1	2043.7	1704.9	1490.0	1175.6	707.5	356.3	206.1	150.2
15°	3252.5	3224.6	3173.9	2971.3	2574.8	2394.9	1979.1	1250.7	576.4	248.0	153.7
17.5°	3806.3	3781.8	3734.6	3661.3	3409.7	3196.6	2863.0	1965.1	932.8	321.4	160.7
20°	4314.6	4297.1	4258.7	4244.7	4082.3	3968.7	3692.7	2786.1	1453.3	436.7	171.2
22.5°	5013.3	4976.6	4992.3	4908.5	4749.5	4613.3	4443.8	3645.6	2089.2	628.8	190.4
25°	5869.2	5851.8	5808.1	5748.7	5528.6	5409.8	5149.5	4456.1	2800.1	880.4	211.4
27.5°	6903.3	6884.1	6873.6	6737.4	6484.1	6354.8	5991.5	5221.2	3600.1	1233.2	239.3
30°	8094.6	8103.4	8035.2	7860.6	7565.4	7383.7	7009.9	6022.9	4419.4	1647.2	269.0
32.5°	9327.9	9310.4	9205.6	8999.5	8735.7	8566.3	8091.1	6901.6	5278.8	2194.0	303.9
35°	10657.2	10624.0	10348.0	10112.2	9886.8	9673.7	9240.5	7921.7	6138.2	2807.1	351.1
37.5°	11998.7	11843.2	11289.5	10990.8	10835.3	10660.7	10257.2	9009.9	6992.4	3491.8	408.7
40°	13011.8	12891.3	12234.5	11684.3	11560.3	11411.8	11111.3	9949.7	7900.7	4227.2	478.6
42.5°	13572.6	13506.2	12915.8	12372.5	12080.8	11949.8	11693.0	10770.7	8798.6	5039.5	579.9
45°	13811.9	13708.8	13314.0	13060.8	12596.1	12379.5	12073.8	11390.8	9736.6	5961.8	721.4
47.5°	13738.5	13679.1	13396.1	13488.7	13151.6	12814.5	12365.5	11866.0	10538.4	7020.4	915.3
50°	13277.4	13226.7	13139.4	13640.7	13598.8	13200.5	12742.8	12241.5	11193.4	8112.1	1215.8
52.5°	12400.5	12379.5	12603.1	13521.9	13852.1	13541.1	13106.2	12573.4	11804.8	9252.8	1645.5
55°	11270.3	11355.9	11995.2	13336.7	13981.3	13792.7	13427.6	12884.3	12295.7	10272.9	2279.6
57.5°	10805.6	10828.4	11626.6	13205.7	14039.0	14014.5	13740.3	13181.3	12746.3	11088.6	3247.3
60°	11348.9	11314.0	11734.9	13305.3	14154.2	14213.6	14018.0	13457.3	13137.6	11789.1	4536.4
62.5°	12330.6	12311.4	12445.9	13729.8	14491.4	14611.9	14404.0	13656.4	13483.5	12250.2	6007.2
65°	13207.5	13167.3	13417.1	14482.6	15083.5	15169.1	14987.5	13997.0	13635.5	12585.6	7388.9
67.5°	13586.5	13577.8	13979.6	15198.8	15705.4	15798.0	15639.0	14466.9	13600.5	12692.2	7998.6
70°	13413.6	13380.4	14023.2	15502.8	16056.5	16161.3	16007.6	14641.6	13221.5	12355.1	7095.5
71°	13223.2	13134.1	13892.2	15481.8	16105.4	16194.5	15925.5	14482.6	12840.7	11876.4	6276.2
72.5°	12632.8	12648.5	13532.4	15263.5	15988.4	15962.2	15460.8	13913.2	12381.3	10789.9	5041.2
75°	11179.5	11272.0	12367.3	14346.4	14943.8	14610.2	13843.3	12824.9	11458.9	7736.5	3500.6
77.5°	9135.7	9273.7	10477.3	12582.1	12412.7	12379.5	12348.1	11300.0	9785.5	4155.6	2435.0
80°	4361.7	4660.4	6319.9	8982.0	9757.6	10133.1	9897.3	9106.0	7567.1	1979.1	1455.1
82.5°	284.7	281.2	398.3	754.6	3180.9	4111.9	6533.0	6508.5	5275.3	964.2	593.9
85°	134.5	138.0	152.0	172.9	200.9	220.1	303.9	1781.7	2524.1	459.4	129.3
87.5°	78.6	80.4	94.3	120.5	157.2	174.7	207.9	267.3	328.4	253.3	27.9
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: P1048845

CATALOG NUMBER: GALN-SA9A-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5
2.5°	143.2	141.5	136.2	131.0	125.8	122.3	120.5	122.3	122.3	124.0	124.0
5°	143.2	138.0	129.3	118.8	111.8	104.8	101.3	99.6	101.3	101.3	101.3
7.5°	141.5	132.8	120.5	108.3	99.6	90.8	87.3	85.6	85.6	87.3	87.3
10°	138.0	129.3	113.5	99.6	89.1	78.6	73.4	68.1	68.1	68.1	69.9
12.5°	136.2	124.0	104.8	90.8	76.9	64.6	54.2	48.9	50.7	50.7	50.7
15°	132.8	118.8	99.6	82.1	64.6	48.9	40.2	34.9	36.7	38.4	36.7
17.5°	132.8	117.0	92.6	71.6	50.7	36.7	29.7	26.2	26.2	27.9	27.9
20°	132.8	113.5	87.3	61.1	38.4	27.9	21.0	19.2	19.2	22.7	24.5
22.5°	136.2	113.5	80.4	50.7	31.4	21.0	15.7	14.0	15.7	19.2	21.0
25°	141.5	111.8	73.4	45.4	26.2	15.7	12.2	8.7	10.5	14.0	15.7
27.5°	146.7	110.0	66.4	40.2	21.0	12.2	8.7	7.0	5.2	7.0	7.0
30°	152.0	110.0	59.4	33.2	17.5	8.7	5.2	3.5	1.7	0.0	0.0
32.5°	155.5	106.6	54.2	26.2	14.0	7.0	3.5	1.7	0.0	0.0	0.0
35°	159.0	103.1	47.2	21.0	10.5	5.2	1.7	0.0	0.0	0.0	0.0
37.5°	162.5	97.8	40.2	17.5	8.7	3.5	0.0	0.0	0.0	0.0	0.0
40°	165.9	90.8	33.2	15.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	169.4	85.6	27.9	12.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	178.2	82.1	22.7	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	193.9	78.6	21.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	216.6	75.1	19.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	248.0	73.4	17.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	303.9	71.6	15.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	400.0	69.9	15.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	613.1	66.4	15.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1095.2	64.6	14.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1909.2	66.4	14.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2737.2	69.9	12.2	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	2342.4	61.1	12.2	7.0	3.5	1.7	0.0	0.0	0.0	0.0	0.0
71°	1909.2	54.2	12.2	7.0	3.5	1.7	1.7	0.0	0.0	0.0	0.0
72.5°	1228.0	41.9	10.5	7.0	3.5	3.5	1.7	0.0	0.0	0.0	0.0
75°	518.8	34.9	10.5	7.0	5.2	3.5	3.5	1.7	0.0	0.0	0.0
77.5°	221.8	26.2	10.5	8.7	7.0	5.2	5.2	3.5	1.7	0.0	0.0
80°	83.8	21.0	12.2	10.5	8.7	8.7	7.0	3.5	1.7	0.0	0.0
82.5°	38.4	17.5	12.2	10.5	10.5	8.7	7.0	5.2	3.5	0.0	0.0
85°	24.5	15.7	12.2	10.5	10.5	8.7	8.7	5.2	3.5	0.0	0.0
87.5°	19.2	15.7	12.2	12.2	10.5	10.5	7.0	5.2	1.7	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

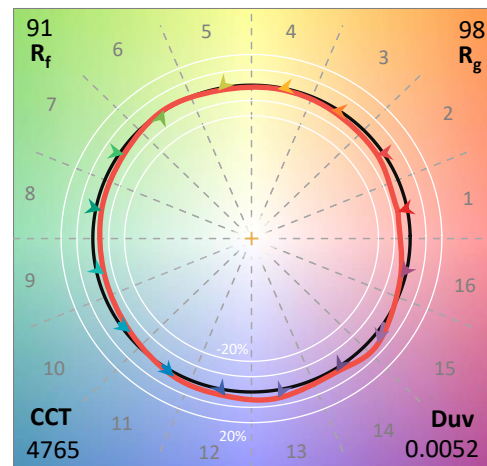
Test Information

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

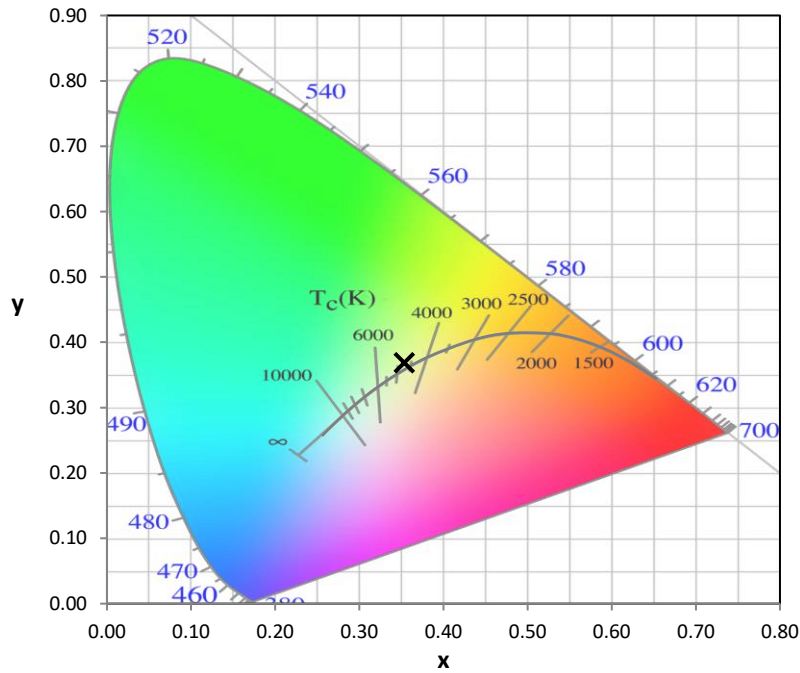
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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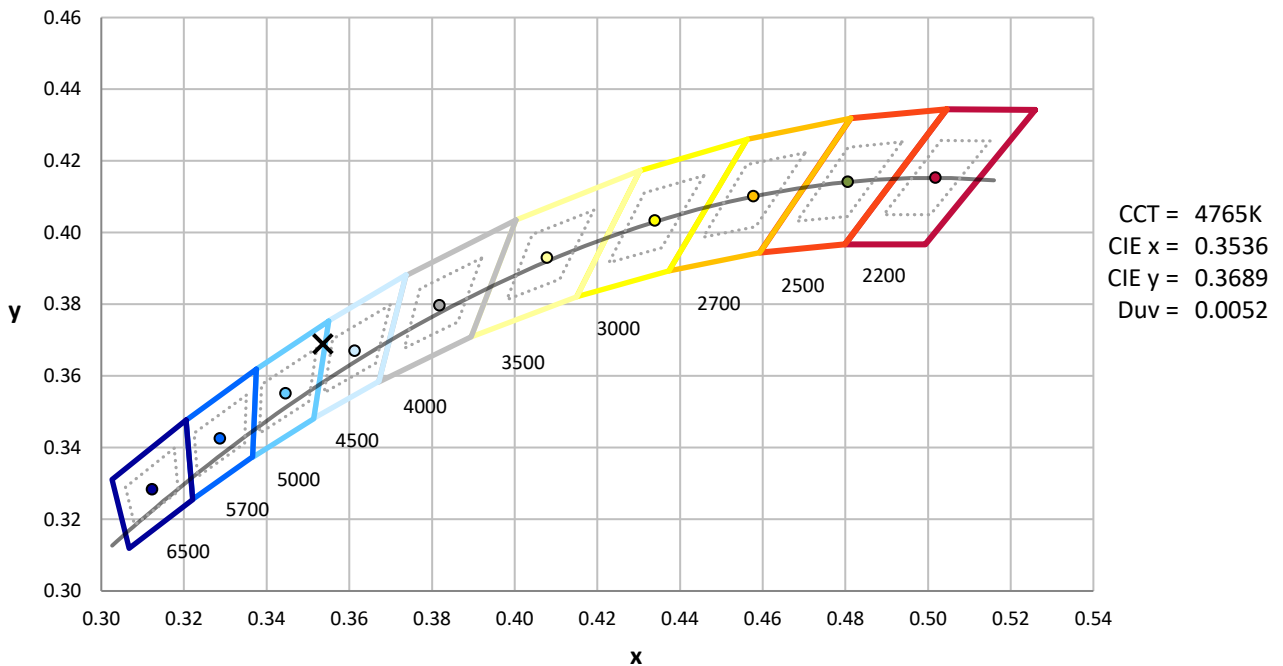
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



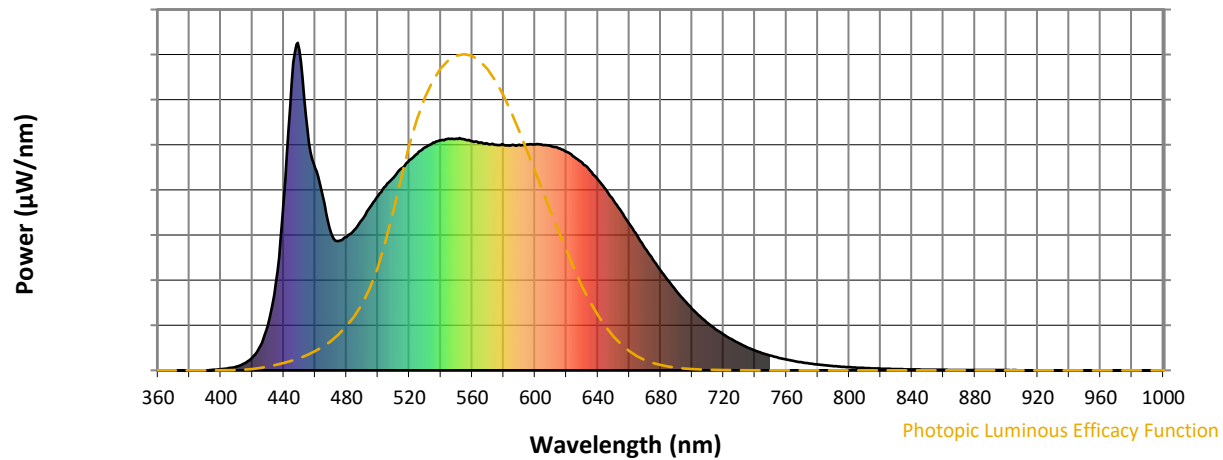
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

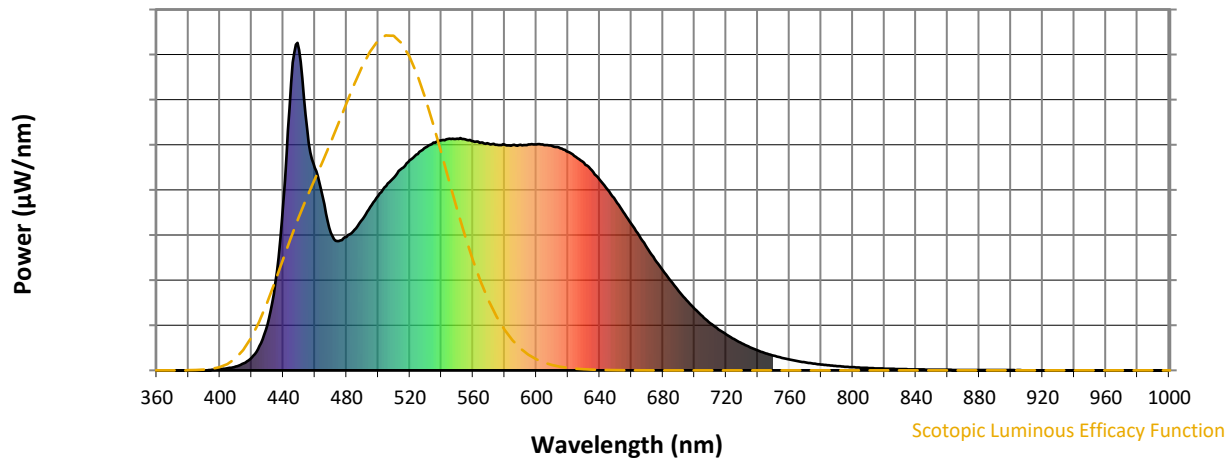


Photopic Lumens: NR

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



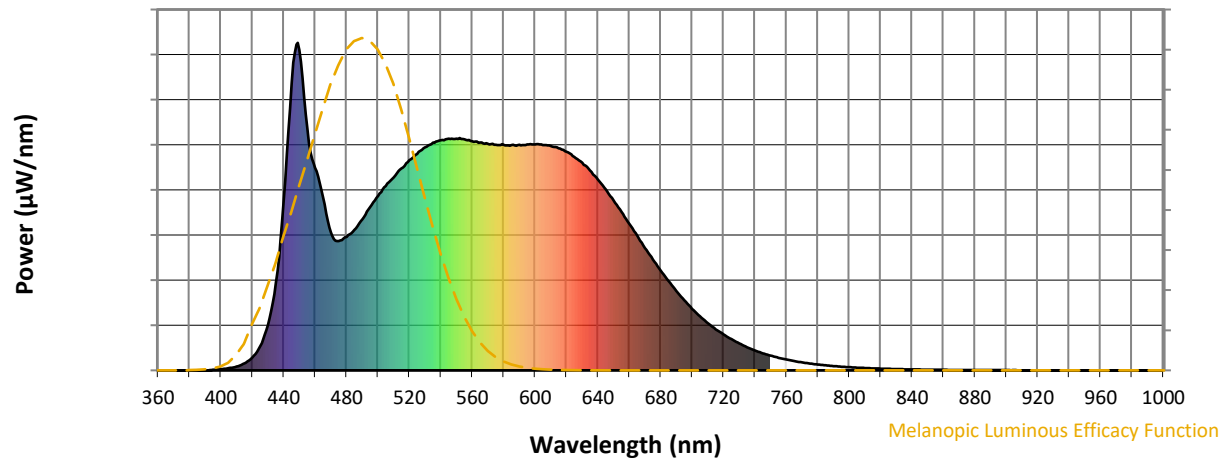
Scotopic Lumens: NR

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

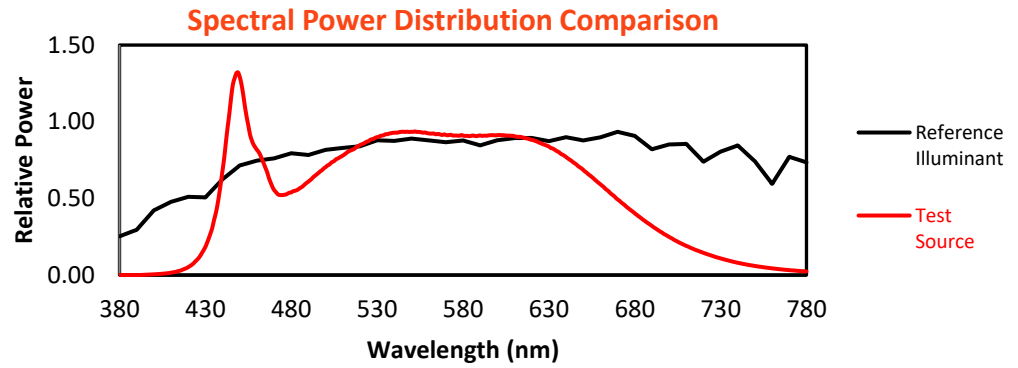
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533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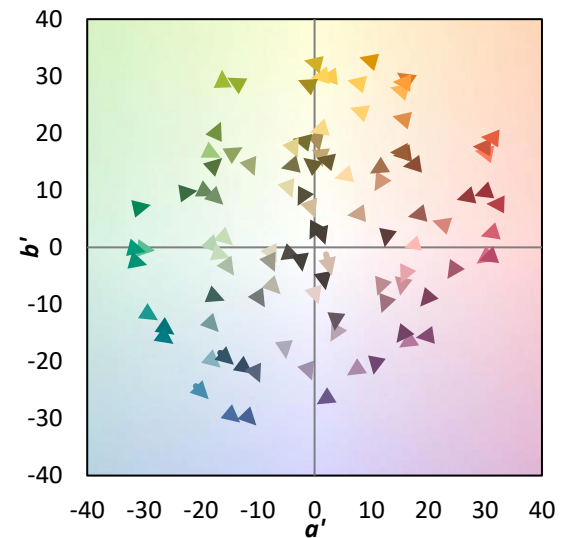
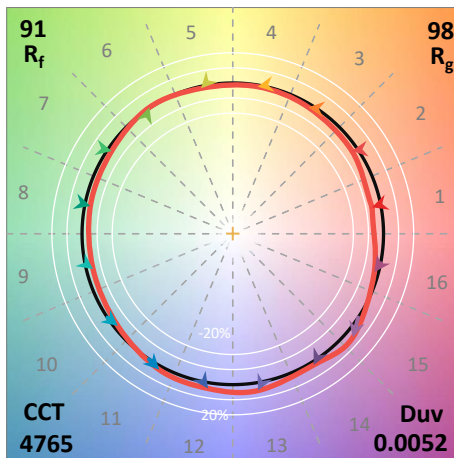
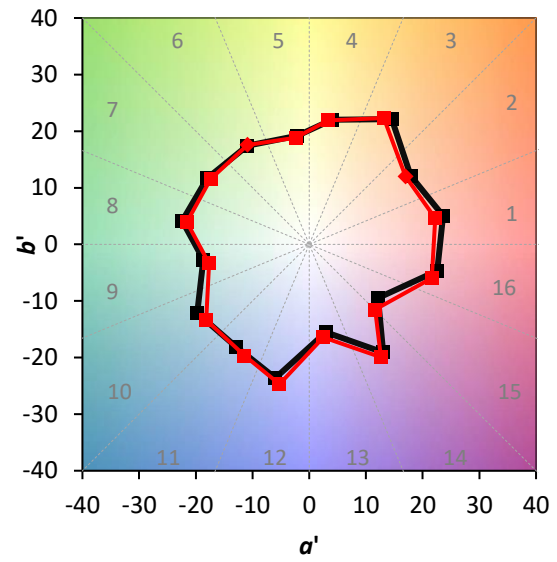
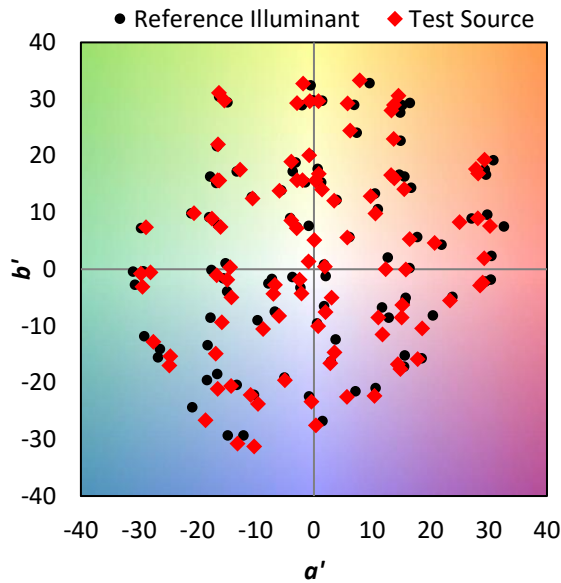
TM-30-18

Summary

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

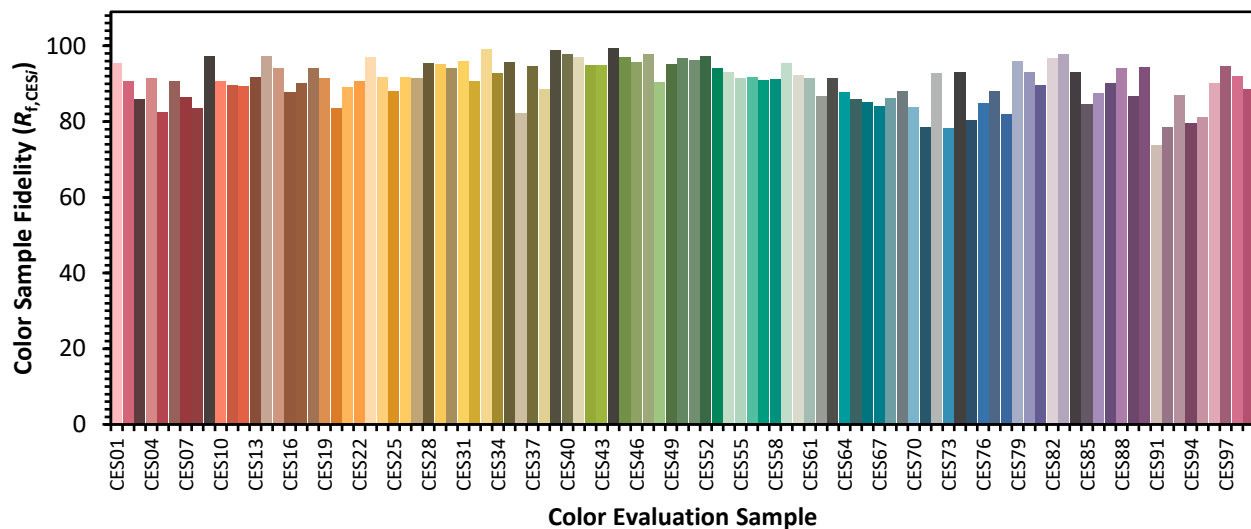


Color Vector Graphics

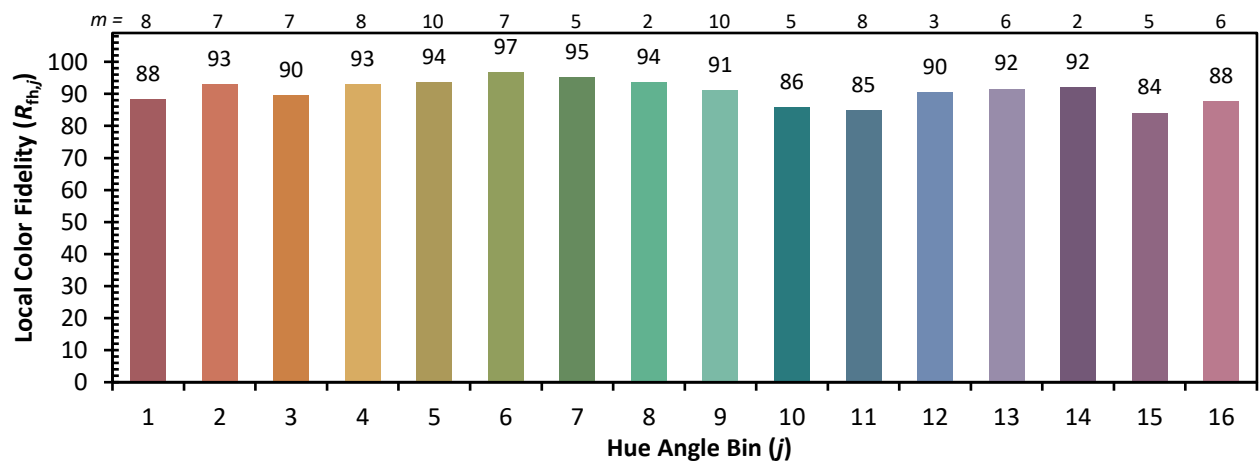
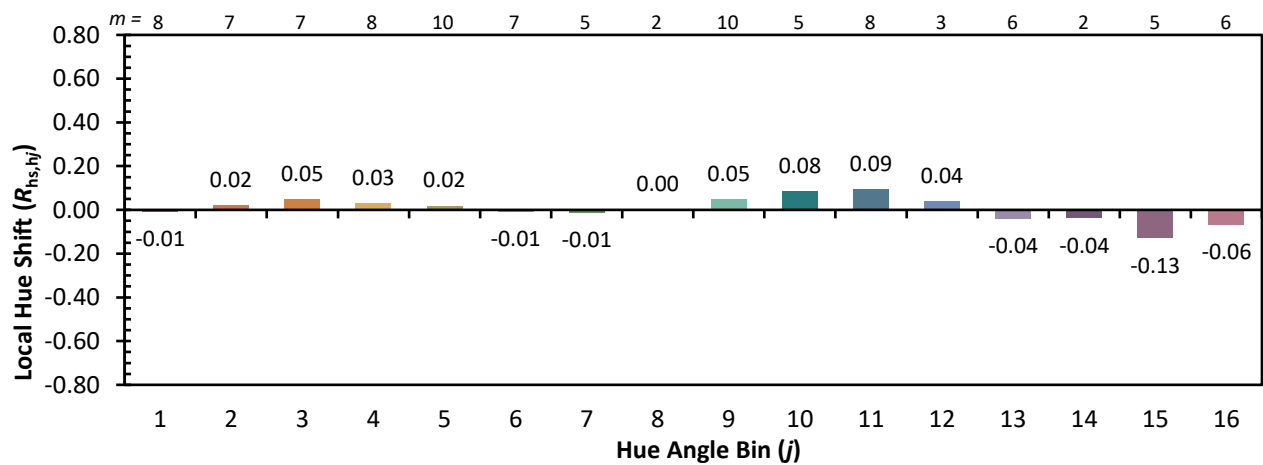
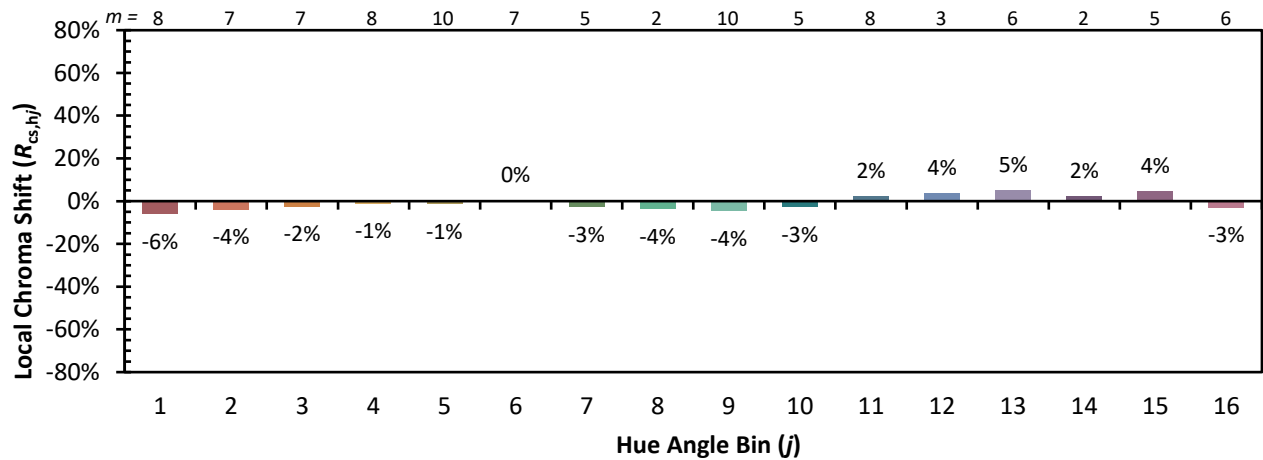


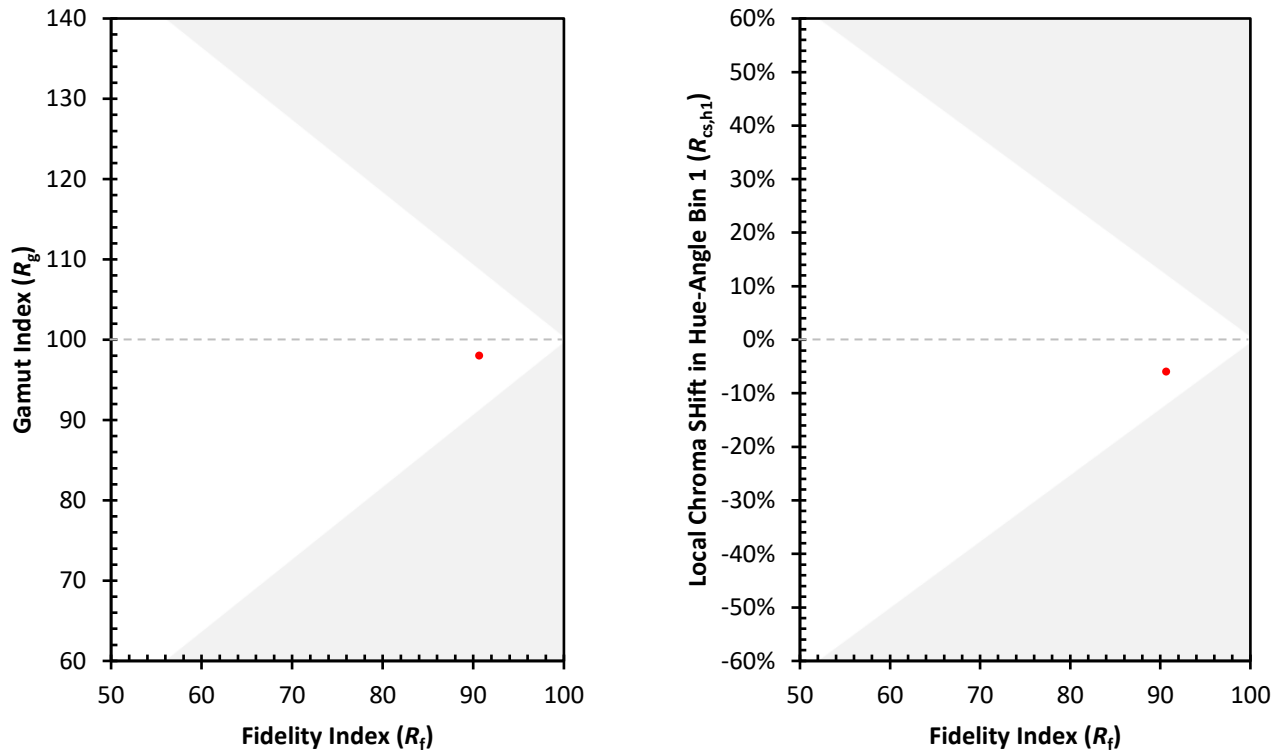
Individual Sample Fidelity Index ($R_{f,i}$)

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)