

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: P1048229

Luminaire Tested: **GALN-SA8A-950-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048229
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-950-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 8xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (112) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22548.8 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 217.6
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



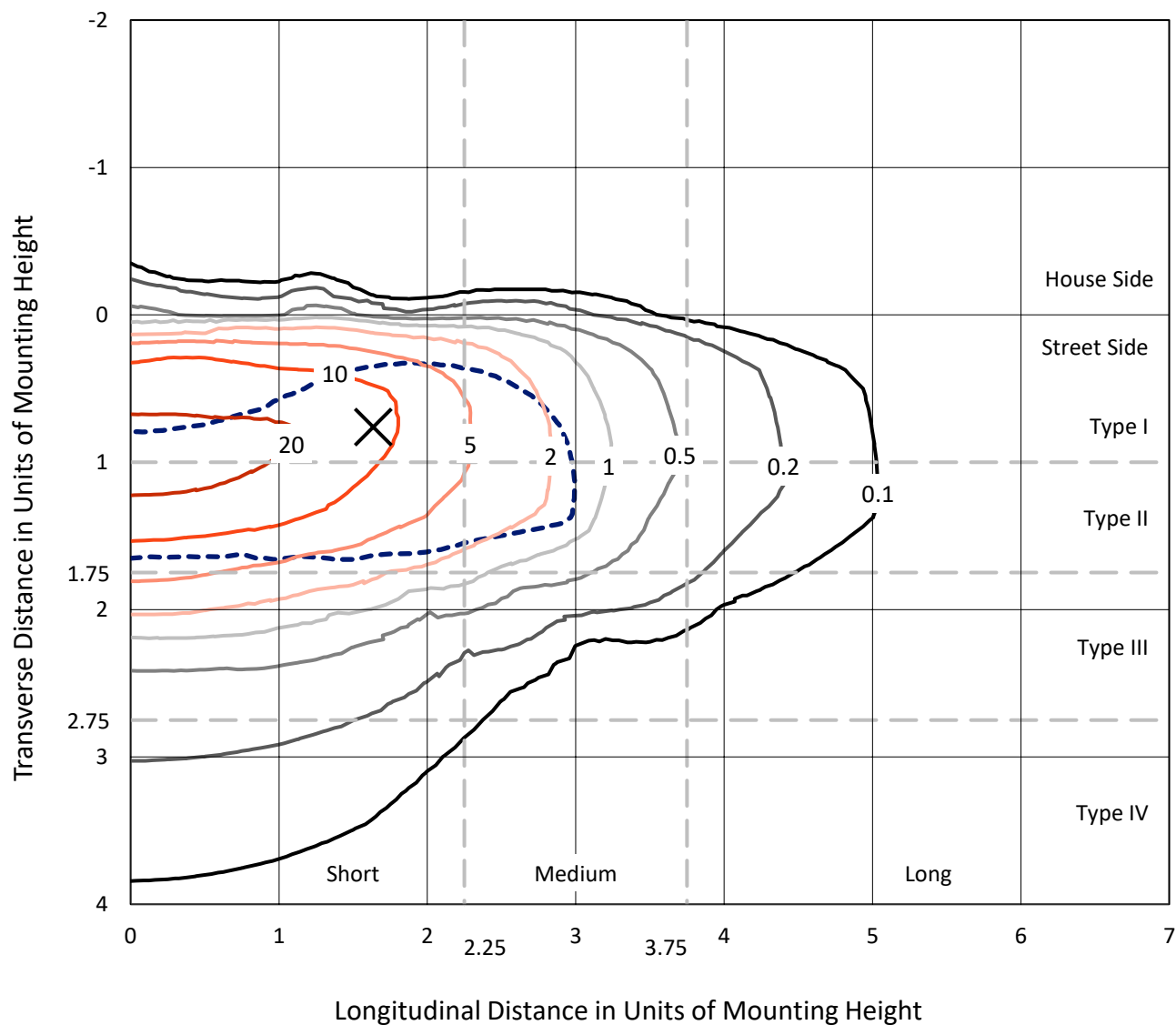
REPORT NUMBER: P1048229

CATALOG NUMBER: GALN-SA8A-950-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

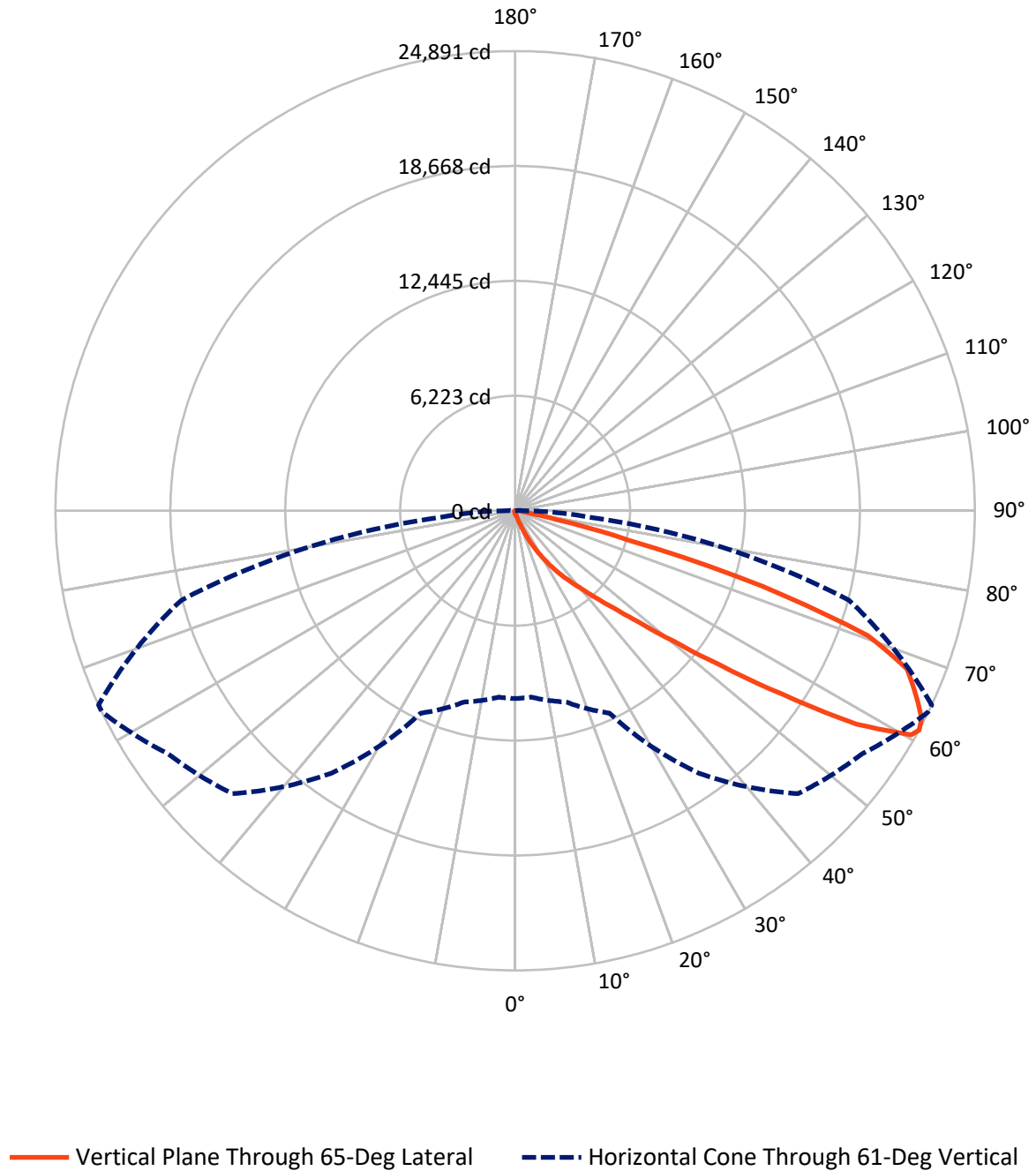


Based on 15 foot mounting height. Maximum calculated value = 29.8 fc
 Type II - Short - N/A

REPORT NUMBER: P1048229

CATALOG NUMBER: GALN-SA8A-950-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048229

CATALOG NUMBER: GALN-SA8A-950-U-T2BC

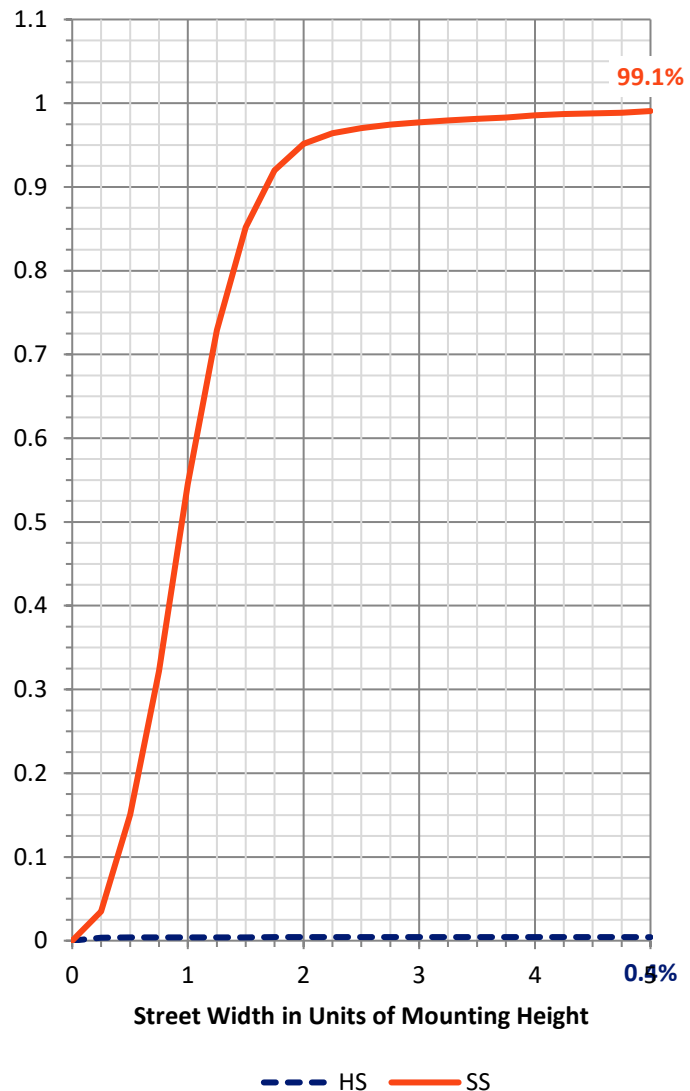
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	96.3	0.0	96.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	22452.5	0.0	22452.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	22548.8	0.0	22548.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.1
10°-20°	185.4	0.8
20°-30°	665.4	3.0
30°-40°	1771.7	7.9
40°-50°	4654.2	20.6
50°-60°	7210.2	32.0
60°-70°	6045.7	26.8
70°-80°	1779.1	7.9
80°-90°	219.5	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°	22548.8	100.0
0°-180°	22548.8	100.0



REPORT NUMBER: P1048229

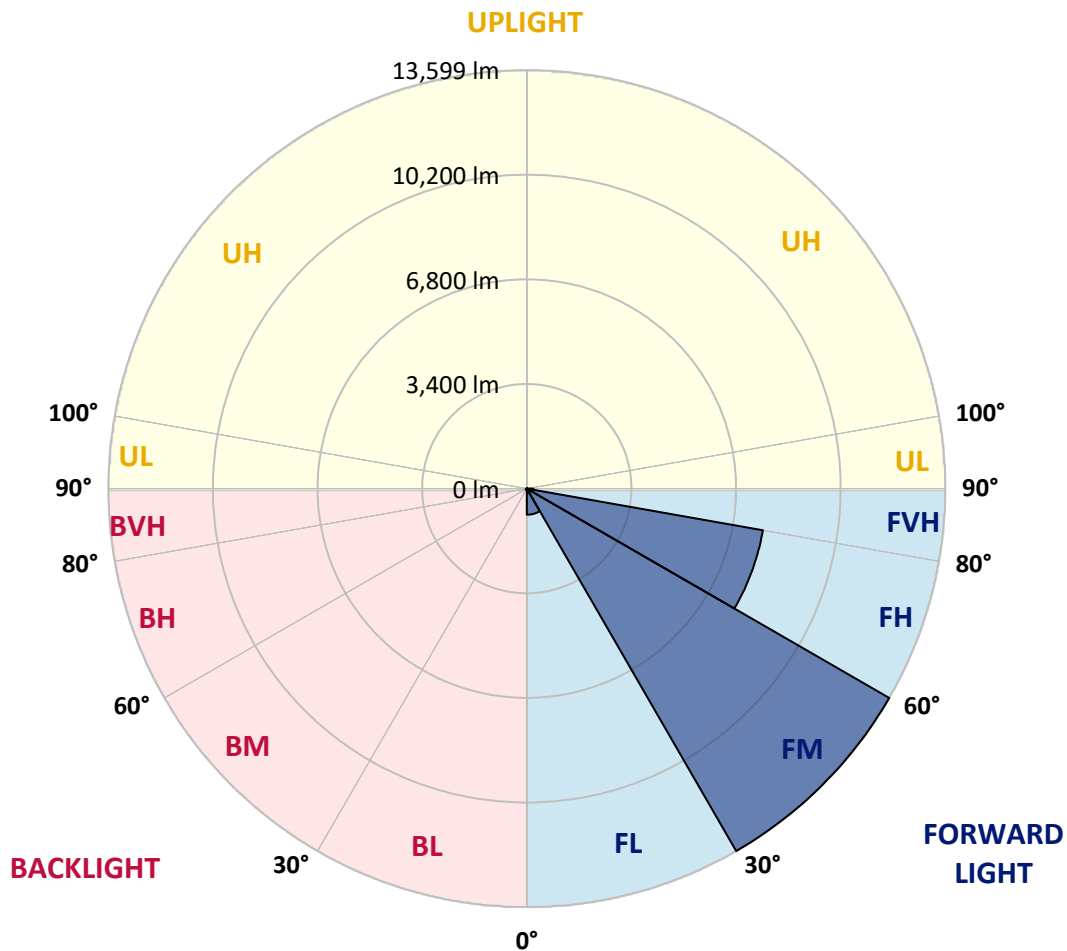
CATALOG NUMBER: GALN-SA8A-950-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	846.8	3.8			
FM	(30°-60°)	13599.4	60.3			
FH	(60°-80°)	7790.8	34.6			G4/12000
FVH	(80°-90°)	215.4	1.0			G2/225
BL	(0°-30°)	21.6	0.1	B0/110		
BM	(30°-60°)	36.6	0.2	B0/220		
BH	(60°-80°)	34.0	0.2	B0/110		G0/110
BVH	(80°-90°)	4.1	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 II Short



REPORT NUMBER: P1048229

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0
2.5°	167.5	169.1	166.0	159.8	155.1	155.1	153.6	148.9	148.9	144.3	141.2
5°	234.2	231.1	224.9	212.5	201.6	190.8	179.9	169.1	167.5	153.6	144.3
7.5°	383.1	386.2	366.1	327.3	294.7	252.8	214.1	190.8	187.7	164.4	145.8
10°	840.7	817.4	770.9	620.4	510.3	384.7	285.4	221.8	218.7	176.8	148.9
12.5°	1532.5	1513.9	1428.6	1273.5	989.6	688.7	417.2	274.5	265.2	187.7	150.5
15°	2208.8	2179.3	2132.8	1976.1	1644.2	1234.7	682.5	375.4	350.6	203.2	148.9
17.5°	2640.0	2644.6	2602.8	2536.1	2322.0	1827.2	1178.8	560.0	511.9	231.1	145.8
20°	3016.9	3006.1	3029.3	2993.6	2843.2	2483.3	1715.5	887.2	805.0	276.1	147.4
22.5°	3451.2	3477.6	3494.7	3486.9	3320.9	3013.8	2325.1	1327.8	1223.8	358.3	152.0
25°	4032.9	4029.8	4031.3	4011.2	3849.9	3508.6	2936.3	1875.3	1769.8	491.7	162.9
27.5°	4642.5	4661.1	4668.8	4595.9	4385.0	4050.0	3502.4	2474.0	2349.9	705.8	176.8
30°	5475.4	5459.9	5424.2	5275.3	5019.4	4603.7	4060.8	3102.2	2971.9	1005.1	198.5
32.5°	6598.4	6581.4	6401.4	6072.6	5689.5	5180.7	4622.3	3732.0	3573.8	1378.9	228.0
35°	8448.9	8475.3	8033.2	7181.6	6494.5	5874.1	5244.3	4358.6	4219.0	1839.6	268.3
37.5°	11282.8	11138.5	10538.3	9033.7	7553.9	6739.6	5838.4	4991.5	4870.5	2407.3	321.1
40°	14036.0	13893.3	13719.6	12294.1	9395.1	7693.5	6669.8	5734.5	5577.8	3047.9	398.6
42.5°	16930.4	16851.3	16843.5	15768.6	12754.8	9193.4	7670.2	6604.6	6471.2	3750.6	525.8
45°	18981.0	18901.8	19067.8	19255.5	17330.6	12407.3	9412.1	7735.4	7541.5	4603.7	729.0
47.5°	19257.0	19260.2	19703.8	20291.6	20730.6	17378.7	11732.6	9233.8	8998.0	5824.4	1070.3
50°	18338.8	18374.5	19080.2	20131.9	21313.8	21549.6	15824.4	11408.4	11059.4	7271.6	1554.2
52.5°	16590.7	16631.0	17614.4	19343.9	20777.1	22551.6	20642.2	14253.2	13851.4	9077.1	2236.7
55°	15016.3	15041.1	16168.8	18354.3	20130.3	22007.2	23502.4	18051.8	17524.5	11298.3	2909.9
57.5°	13457.4	13400.1	14133.7	16635.7	20020.2	21338.6	23924.3	22381.0	21799.3	13725.8	3434.2
60°	11372.7	11276.6	11866.0	13457.4	18571.5	21777.6	23134.8	24775.9	24644.1	17105.7	3839.0
61°	10173.7	10133.4	10725.9	12090.9	17352.3	21665.9	22945.6	24876.7	24890.7	18704.9	4020.5
62.5°	7265.4	7380.2	8286.0	10060.5	14533.9	20941.6	22970.4	24565.0	24703.0	20829.9	4490.5
65°	3229.4	3414.0	4118.2	5562.3	8452.0	17420.5	22750.2	23880.9	23812.7	21413.1	6109.8
67.5°	1915.6	1943.5	2294.1	3151.9	4476.5	9370.3	20076.0	22976.6	22885.1	18641.3	7602.0
70°	1509.2	1523.2	1634.9	1977.7	2598.1	3589.3	11458.1	19879.0	20277.7	15115.6	7442.2
72.5°	1431.7	1428.6	1444.1	1504.6	1636.4	1780.7	4436.2	13213.9	14025.2	10885.7	6240.1
75°	1413.1	1406.9	1391.3	1368.1	1185.0	1048.6	1374.3	5844.6	6314.6	7437.6	4698.3
77.5°	1371.2	1372.7	1375.8	1312.2	1016.0	741.4	665.4	1875.3	2306.5	4720.0	3339.5
80°	927.6	941.5	964.8	940.0	913.6	536.7	470.0	667.0	676.3	2649.3	2205.7
82.5°	470.0	470.0	459.1	409.5	353.7	349.0	373.8	483.9	490.2	1340.2	1037.7
85°	283.9	299.4	305.6	277.6	254.4	234.2	285.4	384.7	398.6	519.6	242.0
87.5°	63.6	65.1	71.4	94.6	138.0	187.7	265.2	352.1	358.3	333.5	29.5
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: P1048229

CATALOG NUMBER: GALN-SA8A-950-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0
2.5°	139.6	136.5	134.9	130.3	125.6	121.0	117.9	116.3	117.9	119.4	119.4
5°	138.0	133.4	125.6	117.9	111.7	105.5	99.3	97.7	97.7	99.3	99.3
7.5°	138.0	130.3	119.4	110.1	100.8	91.5	86.9	83.8	85.3	85.3	85.3
10°	138.0	128.7	114.8	100.8	90.0	79.1	71.4	68.2	68.2	68.2	68.2
12.5°	136.5	127.2	110.1	93.1	77.6	65.1	55.8	51.2	52.7	52.7	52.7
15°	133.4	122.5	103.9	79.1	62.0	49.6	40.3	35.7	37.2	40.3	41.9
17.5°	128.7	117.9	93.1	66.7	49.6	37.2	27.9	24.8	26.4	31.0	31.0
20°	127.2	113.2	82.2	54.3	37.2	26.4	18.6	15.5	17.1	23.3	24.8
22.5°	127.2	110.1	74.5	45.0	27.9	17.1	10.9	6.2	6.2	10.9	10.9
25°	128.7	108.6	68.2	37.2	20.2	12.4	6.2	3.1	6.2	17.1	20.2
27.5°	131.8	107.0	65.1	31.0	15.5	10.9	4.7	10.9	18.6	18.6	18.6
30°	134.9	103.9	60.5	26.4	14.0	7.8	7.8	15.5	15.5	18.6	20.2
32.5°	139.6	102.4	57.4	23.3	10.9	6.2	10.9	9.3	9.3	10.9	12.4
35°	148.9	103.9	54.3	23.3	10.9	7.8	9.3	4.7	3.1	3.1	3.1
37.5°	161.3	105.5	49.6	20.2	9.3	9.3	4.7	0.0	0.0	0.0	0.0
40°	181.5	110.1	46.5	18.6	7.8	7.8	1.6	0.0	0.0	0.0	0.0
42.5°	215.6	119.4	45.0	17.1	7.8	6.2	0.0	0.0	0.0	0.0	0.0
45°	283.9	141.2	41.9	15.5	7.8	3.1	0.0	0.0	0.0	0.0	0.0
47.5°	407.9	192.3	40.3	12.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	595.6	260.6	38.8	10.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	760.0	274.5	26.4	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	778.7	189.2	20.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	620.4	122.5	17.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	470.0	93.1	15.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	451.4	83.8	15.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	497.9	72.9	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	809.7	60.5	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1406.9	52.7	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1777.6	49.6	9.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1549.6	45.0	9.3	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	932.2	38.8	9.3	6.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	488.6	29.5	9.3	7.8	4.7	1.6	0.0	0.0	0.0	0.0	0.0
80°	237.3	26.4	10.9	7.8	6.2	3.1	0.0	0.0	0.0	0.0	0.0
82.5°	93.1	21.7	12.4	10.9	7.8	4.7	1.6	0.0	0.0	0.0	0.0
85°	41.9	18.6	14.0	12.4	10.9	6.2	1.6	0.0	0.0	0.0	0.0
87.5°	21.7	17.1	15.5	14.0	10.9	7.8	3.1	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

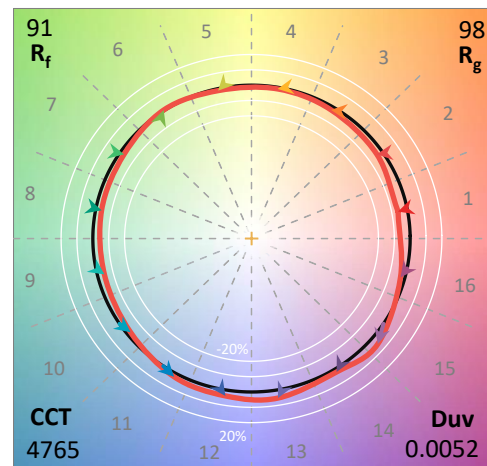
Test Information

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

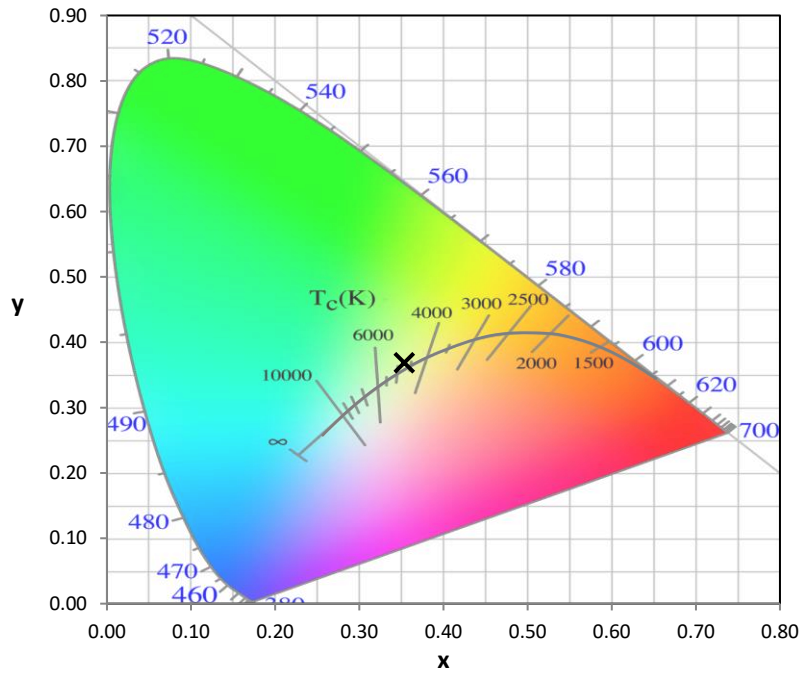
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

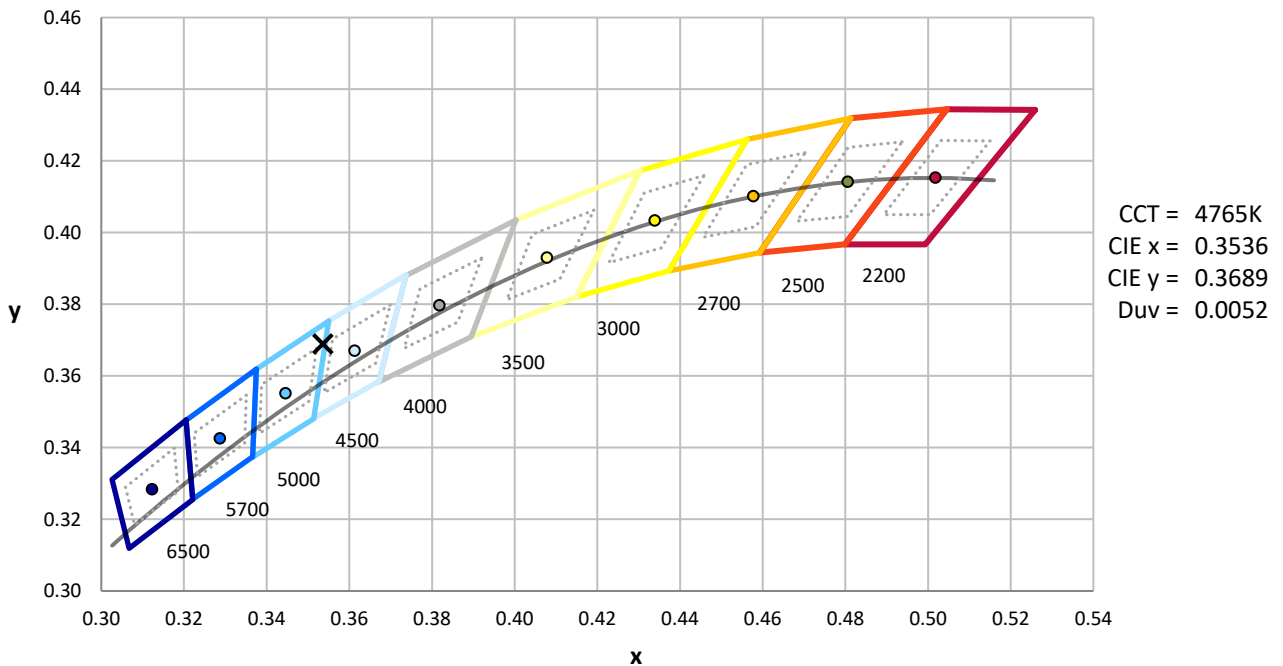
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-17

CIE 1931 Chromaticity Diagram



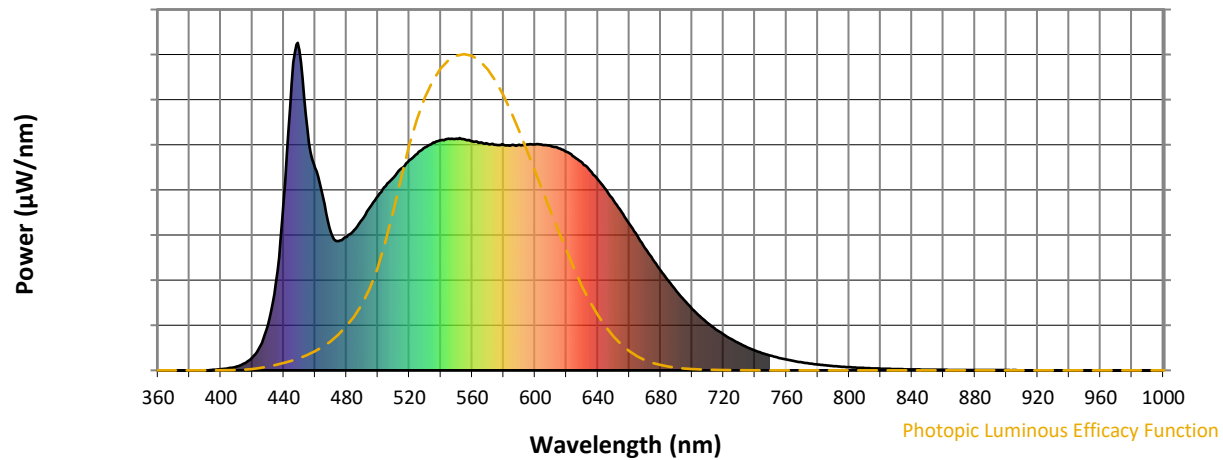
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

Photopic Flux vs. Wavelength

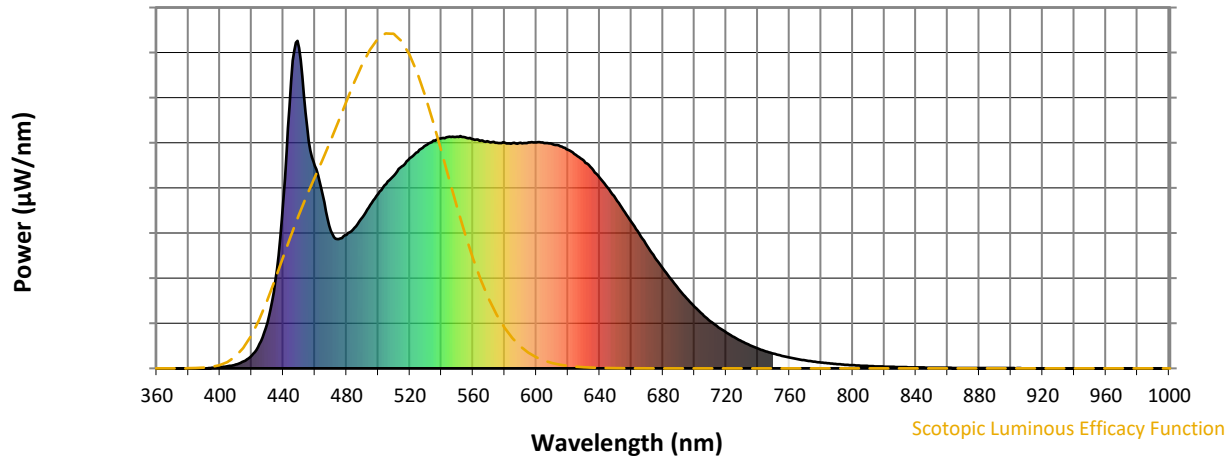


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-17

Scotopic Flux vs. Wavelength



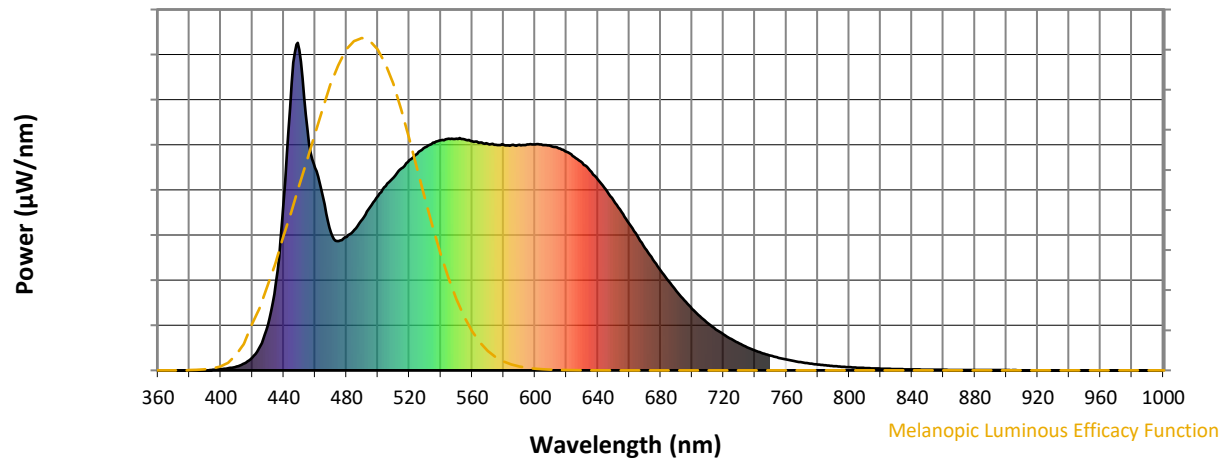
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-17

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

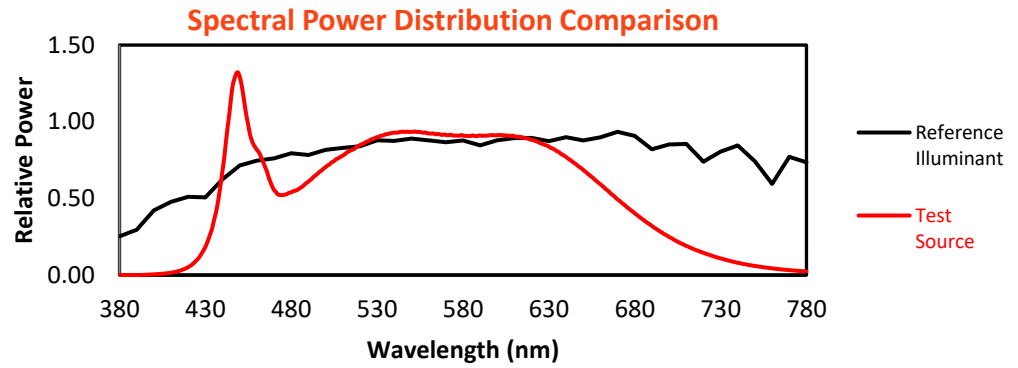
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668	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			

REPORT NUMBER: SP1-2407-184-17

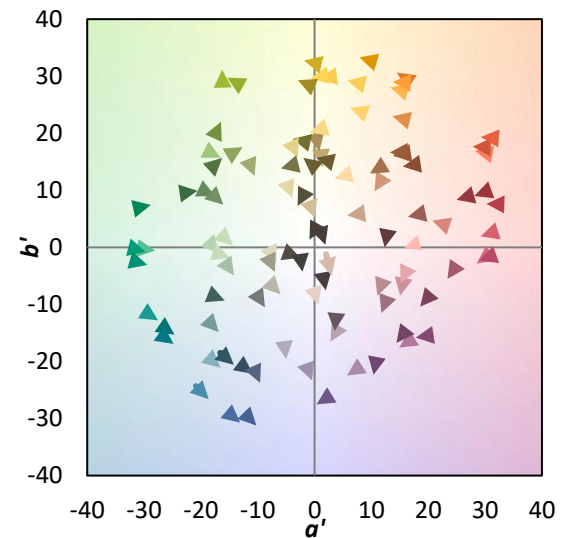
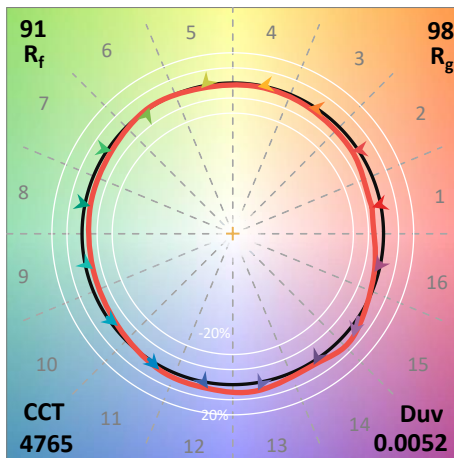
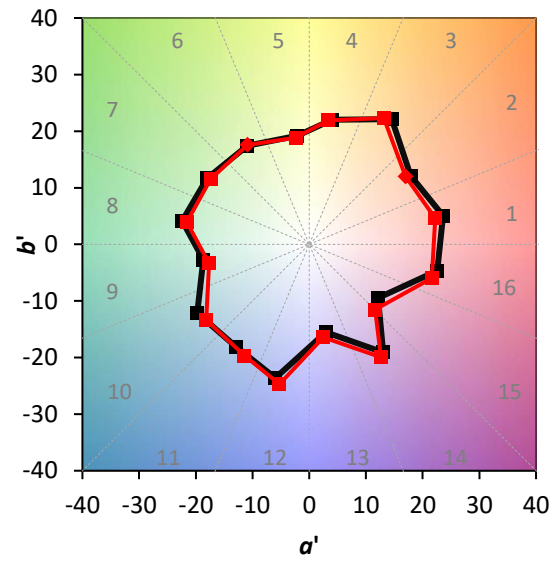
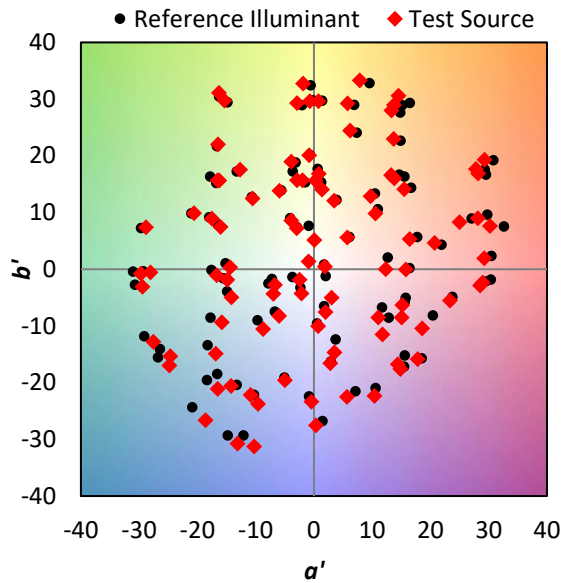
TM-30-18

Summary

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

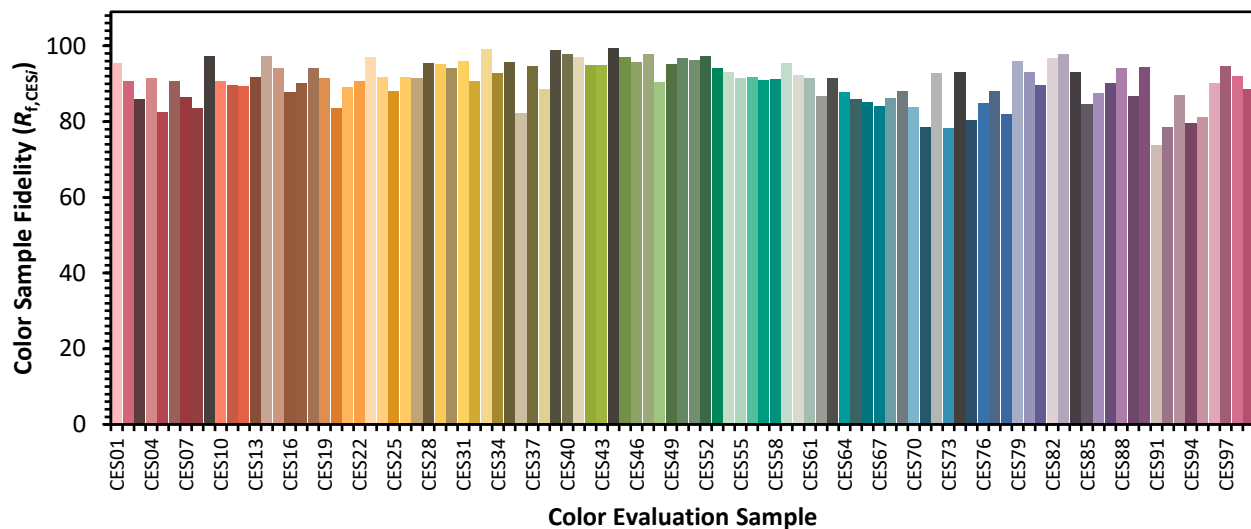


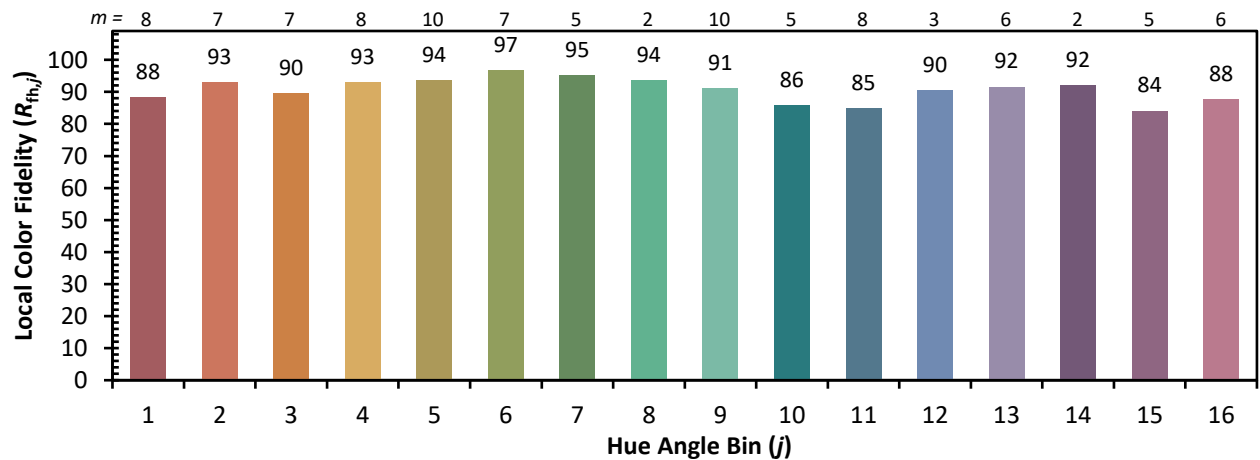
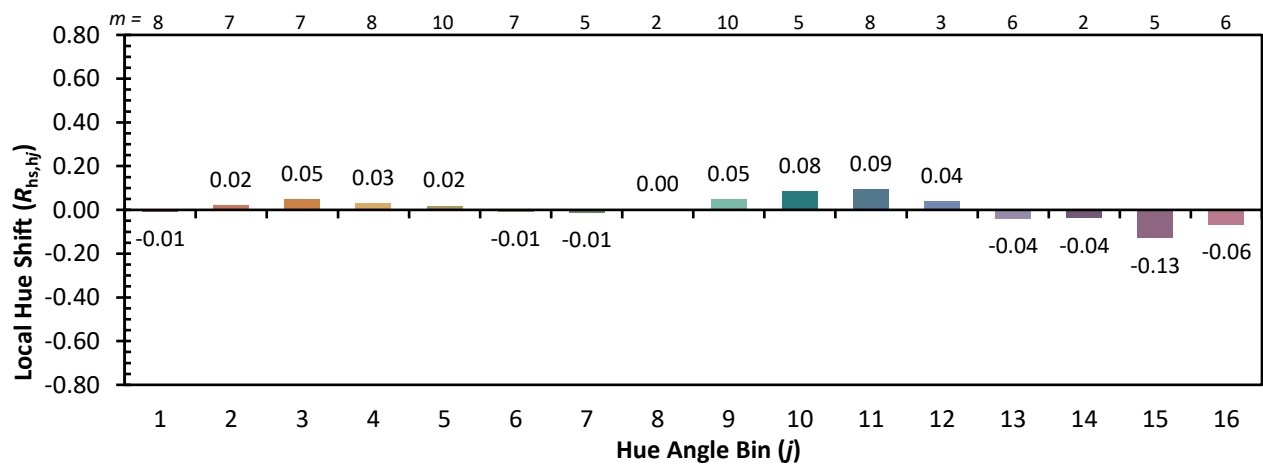
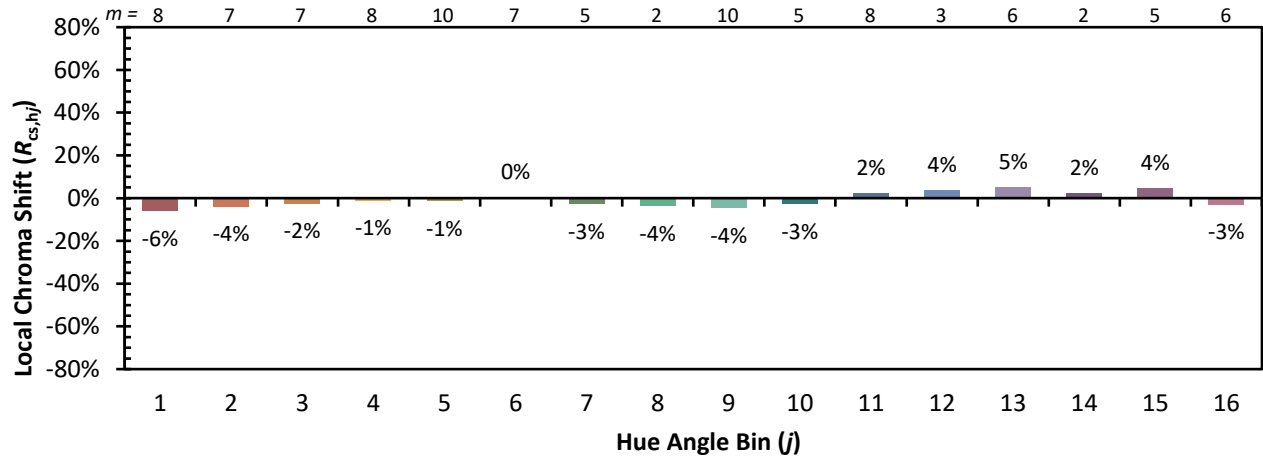
Color Vector Graphics



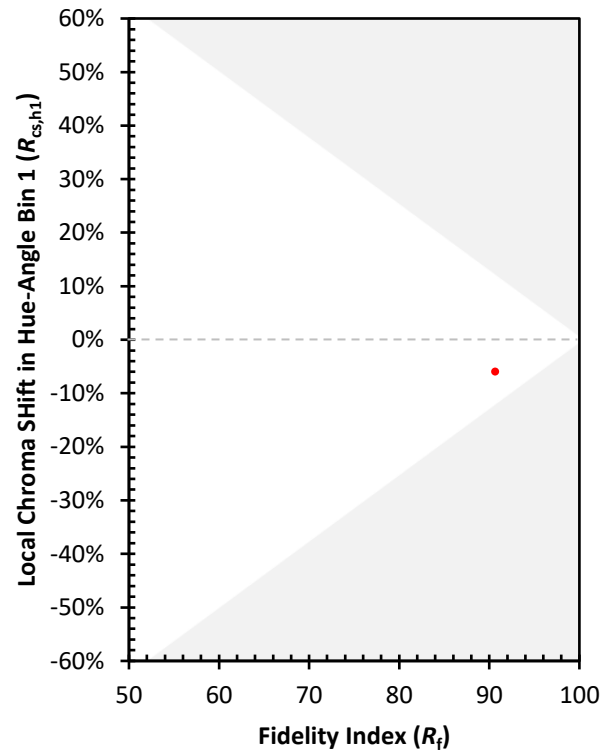
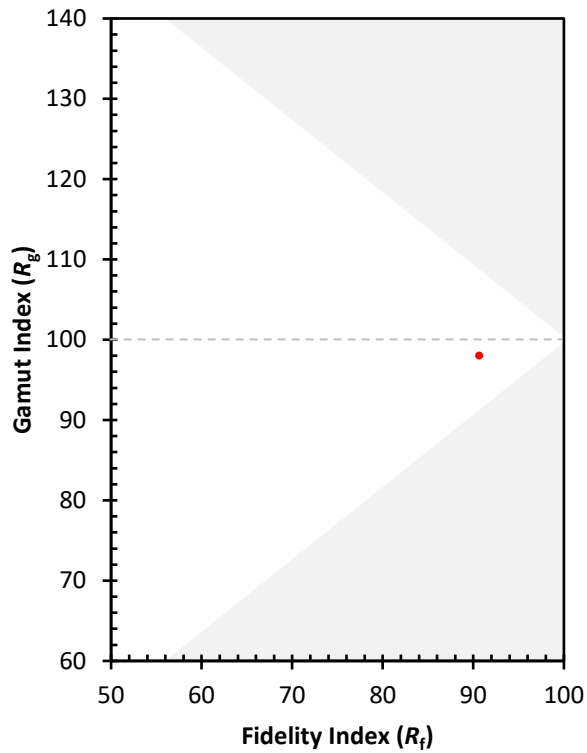
Individual Sample Fidelity Index ($R_{f,i}$)

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)