

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: STREETWORKS

Report Number: P1063241

Luminaire Tested: **GLAN-SA5A-950-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1063241
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5A-950-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14746.3 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 136.6
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

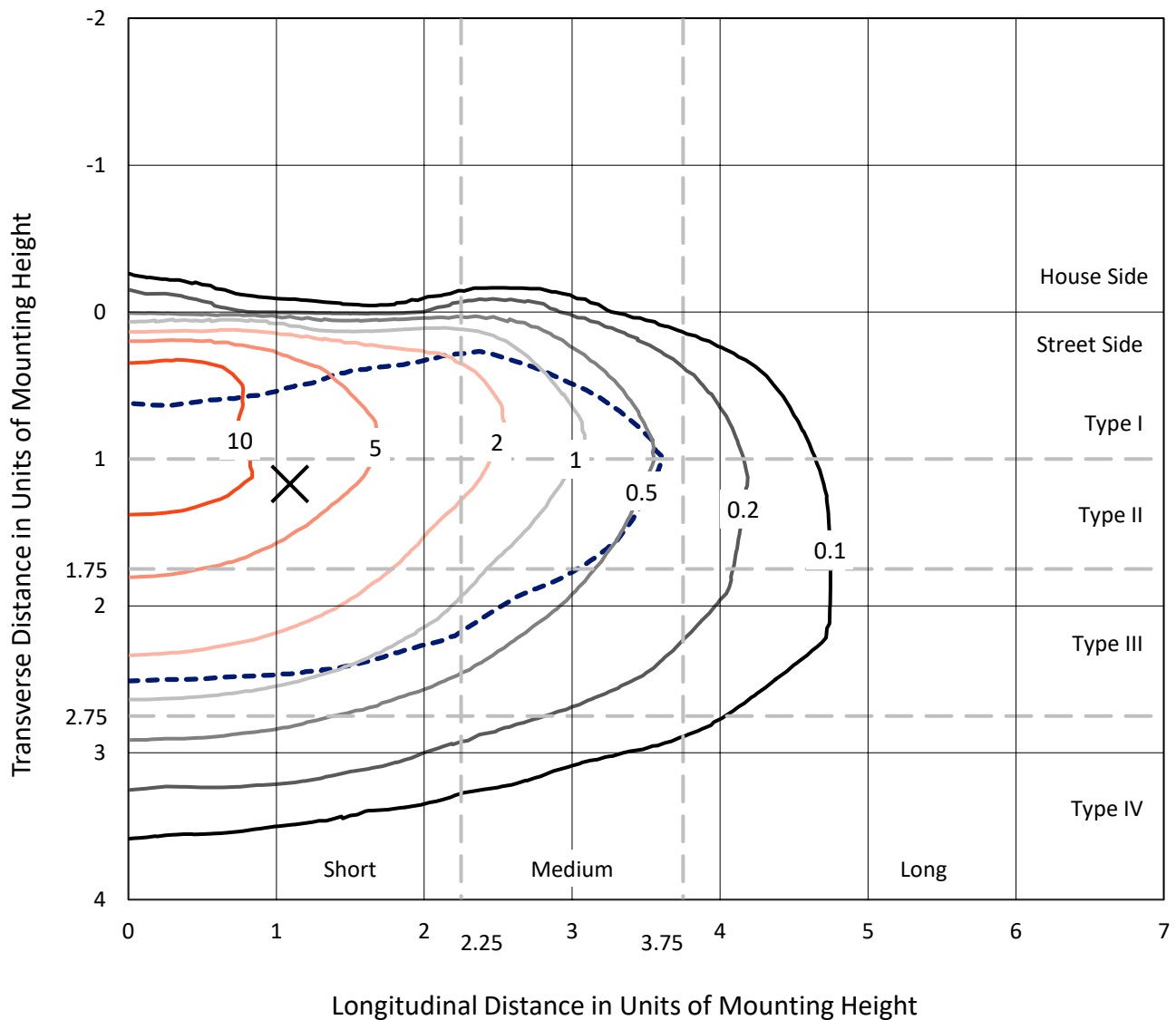


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

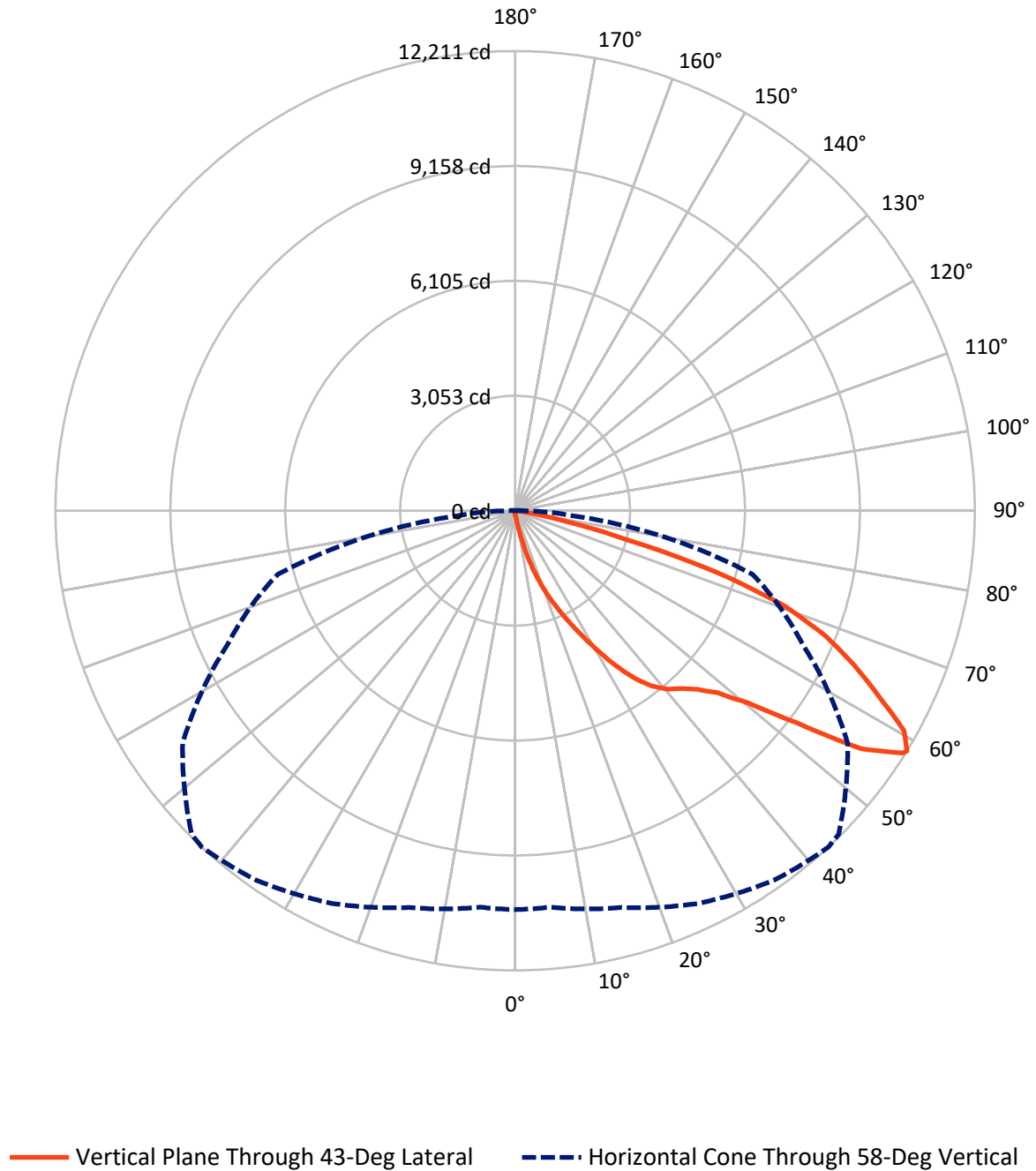


Based on 15 foot mounting height. Maximum calculated value = 16.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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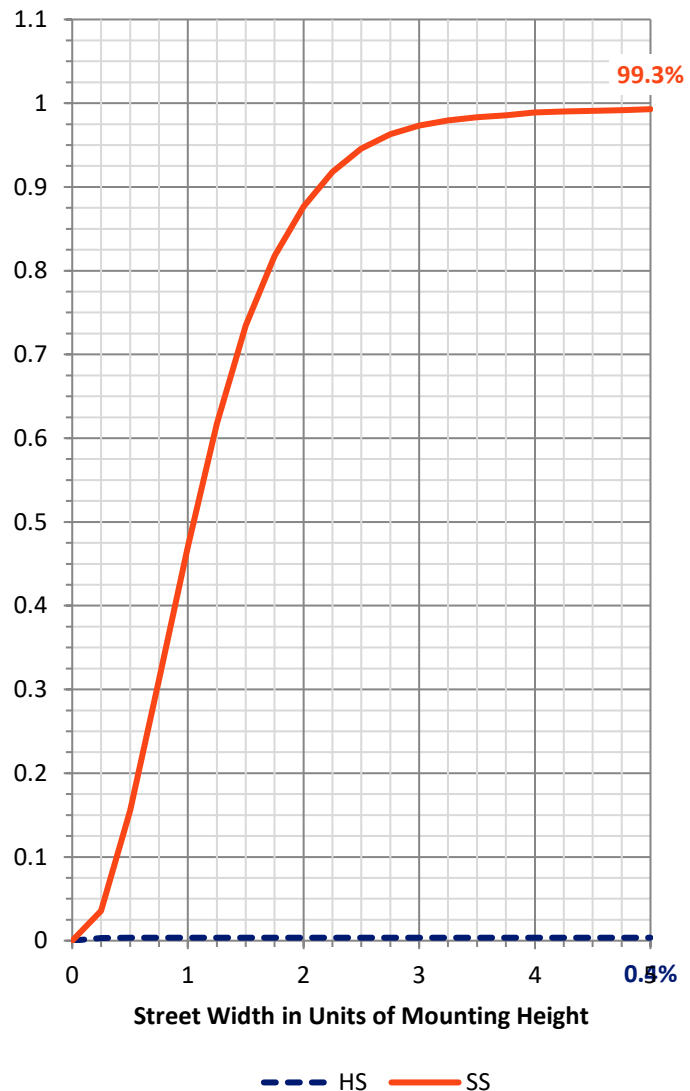
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	53.9	0.0	53.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14692.4	0.0	14692.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	14746.3	0.0	14746.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.1
10°-20°	169.5	1.1
20°-30°	611.0	4.1
30°-40°	1397.9	9.5
40°-50°	2357.6	16.0
50°-60°	3890.7	26.4
60°-70°	4348.3	29.5
70°-80°	1795.4	12.2
80°-90°	161.9	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°	14746.3	100.0
0°-180°	14746.3	100.0



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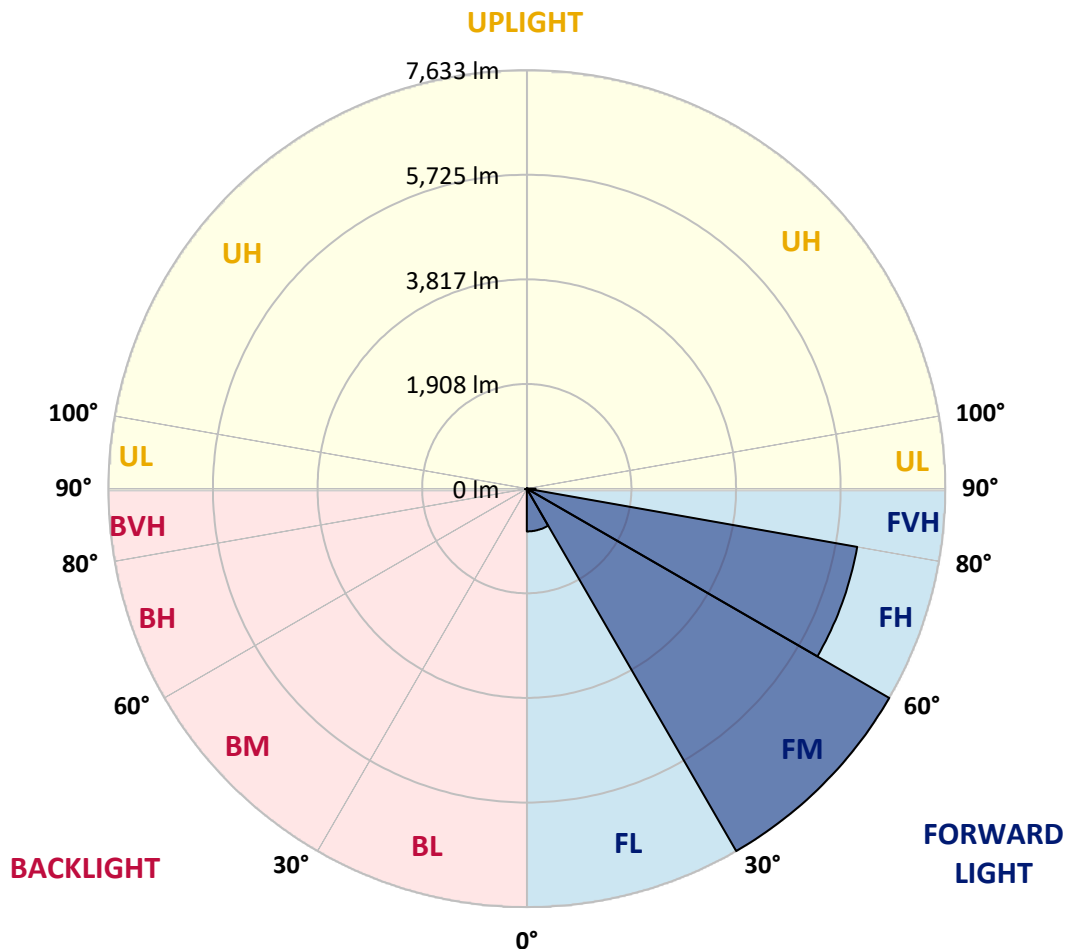
CATALOG NUMBER: GLAN-SA5A-950-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	780.5	5.3			
FM	(30°-60°)	7633.2	51.8			
FH	(60°-80°)	6119.0	41.5			G3/7500
FVH	(80°-90°)	159.6	1.1			G2/225
BL	(0°-30°)	14.0	0.1	B0/110		
BM	(30°-60°)	12.9	0.1	B0/220		
BH	(60°-80°)	24.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2.5°	115.7	119.6	115.7	115.7	115.7	111.8	111.8	108.0	108.0	104.1	100.3
5°	169.7	169.7	158.1	150.4	142.7	138.8	135.0	127.3	119.6	111.8	104.1
7.5°	378.0	378.0	343.3	297.0	235.3	200.6	192.8	158.1	135.0	119.6	104.1
10°	902.5	902.5	825.3	698.1	539.9	401.1	358.7	227.5	162.0	127.3	108.0
12.5°	1500.3	1519.6	1423.1	1261.2	1025.9	782.9	698.1	416.5	216.0	138.8	108.0
15°	2036.4	1990.1	1963.1	1808.8	1585.1	1295.9	1187.9	701.9	312.4	158.1	108.0
17.5°	2398.9	2398.9	2360.3	2256.2	2051.8	1797.3	1708.5	1133.9	505.2	181.3	111.8
20°	2823.1	2823.1	2753.7	2680.4	2499.2	2283.2	2198.4	1612.1	782.9	231.4	111.8
22.5°	3336.1	3343.8	3266.7	3135.5	2962.0	2722.9	2649.6	2055.7	1133.9	308.5	115.7
25°	3960.9	3968.6	3856.8	3733.3	3467.2	3208.8	3097.0	2564.7	1562.0	432.0	115.7
27.5°	4651.3	4705.2	4539.4	4327.3	4045.7	3721.8	3636.9	3023.7	1986.2	609.4	123.4
30°	5511.3	5511.3	5291.5	4994.5	4689.8	4288.7	4180.7	3505.8	2437.5	844.6	131.1
32.5°	6251.8	6194.0	5912.4	5600.0	5276.1	4901.9	4786.2	4011.0	2900.3	1137.7	146.6
35°	6818.8	6768.6	6421.5	6086.0	5804.4	5461.2	5322.3	4558.7	3390.1	1469.4	169.7
37.5°	7304.7	7285.4	6814.9	6394.5	6209.4	5908.6	5785.1	5075.5	3872.2	1828.1	196.7
40°	7836.9	7775.2	7273.9	6753.2	6475.5	6232.5	6120.7	5492.0	4335.0	2248.5	235.3
42.5°	8292.0	8218.8	7767.5	7258.4	6784.0	6456.2	6348.2	5843.0	4786.2	2668.9	285.4
45°	8797.3	8758.7	8303.6	7917.9	7285.4	6760.9	6618.2	6124.5	5198.9	3170.3	351.0
47.5°	9557.1	9487.6	9063.4	8747.1	8014.4	7223.7	7019.3	6413.8	5596.2	3663.9	451.2
50°	10440.3	10394.0	10143.3	9892.6	9163.7	8014.4	7771.4	6830.3	6039.7	4250.2	582.4
52.5°	11161.5	11153.8	11184.6	11188.5	10637.0	9344.9	8982.4	7501.4	6548.8	4828.7	767.5
55°	11146.0	11180.8	11520.1	11909.7	11952.1	11161.5	10810.5	8631.4	7212.1	5542.2	1025.9
57.5°	10729.5	10702.5	11061.2	11647.4	12060.1	12144.9	12087.1	10386.3	8211.0	6402.2	1423.1
58°	10594.5	10571.4	10910.8	11508.6	11983.0	12210.5	12152.7	10783.5	8434.7	6525.6	1531.1
60°	10104.7	10108.6	10309.1	10852.9	11327.3	11867.3	11921.3	11917.4	9549.3	7351.0	2074.9
62.5°	9456.8	9425.9	9611.1	10054.6	10471.1	10833.6	10926.2	11994.5	11180.8	8400.0	3112.4
65°	8562.0	8515.7	8712.4	9213.8	9661.2	9896.5	9900.3	10960.9	11948.2	9526.2	4593.4
67.5°	6899.7	6861.2	7254.6	7898.6	8589.0	8897.6	9036.4	9510.8	11300.3	10289.8	5441.9
70°	4227.0	4308.0	4855.7	5866.1	7046.3	7613.2	7821.5	7968.1	9622.6	10174.1	4551.0
72.5°	1951.5	1855.1	2321.8	3027.6	4373.6	5634.7	5850.7	6425.4	7628.7	8832.0	3394.0
75°	910.2	875.5	983.5	1322.9	1982.4	3043.0	3436.4	5129.5	5850.7	6143.8	2449.0
77.5°	466.7	470.5	559.2	601.7	817.6	1407.7	1616.0	3374.7	4288.7	3428.7	1643.0
80°	204.4	212.1	216.0	235.3	331.7	543.8	613.2	1565.8	2931.1	1747.1	898.6
82.5°	131.1	135.0	135.0	135.0	158.1	216.0	246.8	628.7	1461.7	867.8	277.7
85°	69.4	69.4	77.1	96.4	111.8	131.1	138.8	200.6	482.1	258.4	65.6
87.5°	38.6	42.4	46.3	57.9	73.3	88.7	96.4	138.8	185.1	177.4	15.4
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: GLAN-SA5A-950-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2.5°	100.3	96.4	92.6	88.7	84.8	81.0	81.0	81.0	81.0	81.0	81.0
5°	96.4	92.6	88.7	81.0	73.3	69.4	65.6	61.7	61.7	61.7	61.7
7.5°	96.4	92.6	81.0	73.3	65.6	57.9	50.1	50.1	50.1	50.1	50.1
10°	96.4	88.7	77.1	65.6	54.0	46.3	42.4	38.6	38.6	38.6	38.6
12.5°	96.4	84.8	73.3	57.9	46.3	38.6	34.7	30.9	30.9	30.9	30.9
15°	96.4	84.8	69.4	54.0	42.4	30.9	27.0	23.1	23.1	23.1	23.1
17.5°	92.6	81.0	65.6	46.3	34.7	23.1	19.3	15.4	15.4	19.3	19.3
20°	88.7	77.1	57.9	38.6	27.0	19.3	11.6	11.6	11.6	11.6	11.6
22.5°	88.7	77.1	54.0	34.7	23.1	11.6	7.7	7.7	7.7	7.7	11.6
25°	88.7	73.3	46.3	27.0	15.4	7.7	3.9	3.9	3.9	3.9	3.9
27.5°	88.7	73.3	42.4	23.1	11.6	7.7	3.9	0.0	0.0	0.0	0.0
30°	84.8	69.4	38.6	19.3	7.7	3.9	0.0	0.0	0.0	0.0	0.0
32.5°	84.8	65.6	30.9	15.4	7.7	3.9	0.0	0.0	0.0	0.0	0.0
35°	88.7	61.7	27.0	11.6	3.9	0.0	0.0	0.0	0.0	0.0	3.9
37.5°	92.6	57.9	23.1	7.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	96.4	54.0	23.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	104.1	54.0	19.3	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	111.8	54.0	15.4	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	127.3	57.9	15.4	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	138.8	61.7	11.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	154.3	57.9	11.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	173.6	57.9	11.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	189.0	54.0	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	196.7	50.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	235.3	46.3	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	366.4	38.6	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	744.4	34.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1388.4	30.9	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1554.3	34.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	979.6	27.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	516.8	27.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	258.4	27.0	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	119.6	19.3	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	50.1	11.6	7.7	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.1	11.6	7.7	7.7	3.9	3.9	0.0	0.0	0.0	0.0	0.0
87.5°	11.6	11.6	11.6	7.7	7.7	3.9	3.9	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

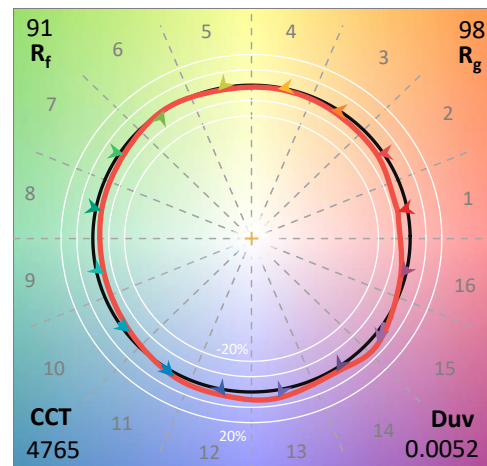
Test Information

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

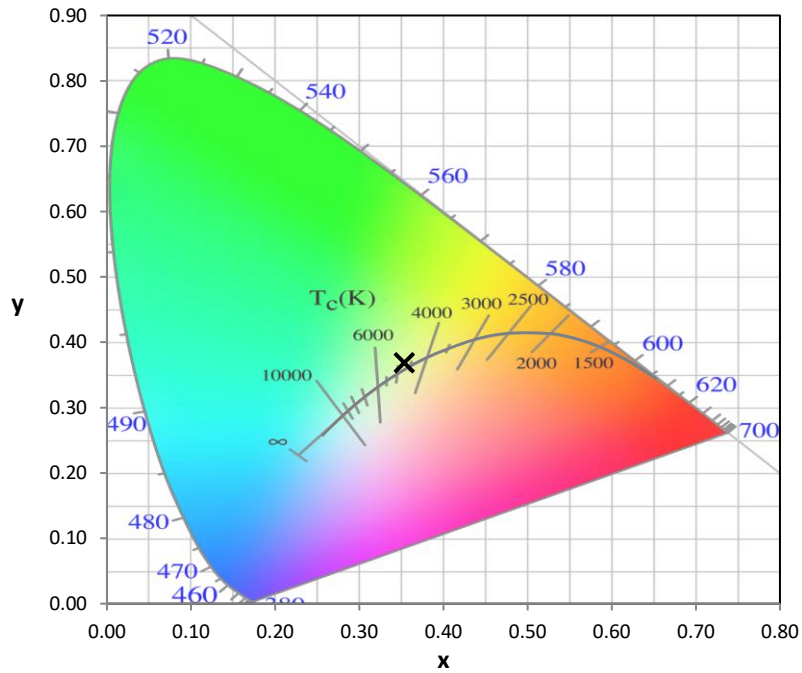
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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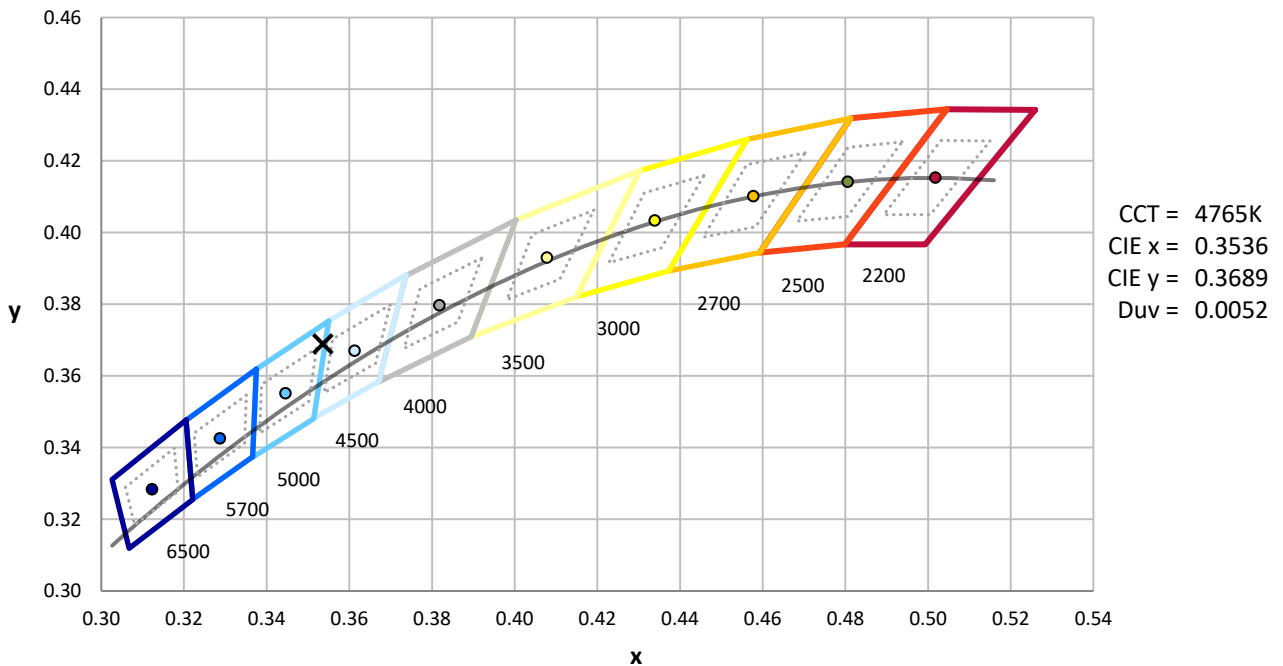
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



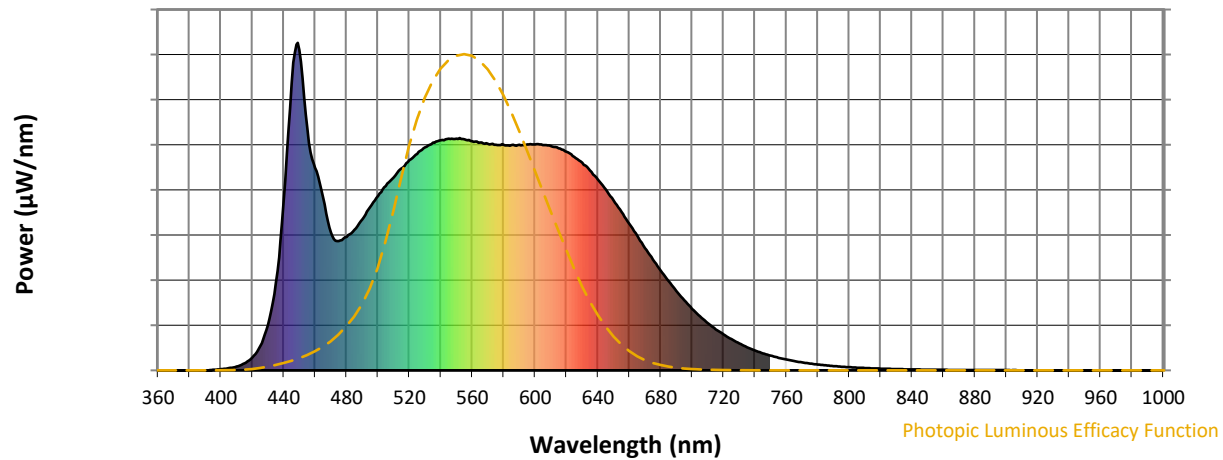
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

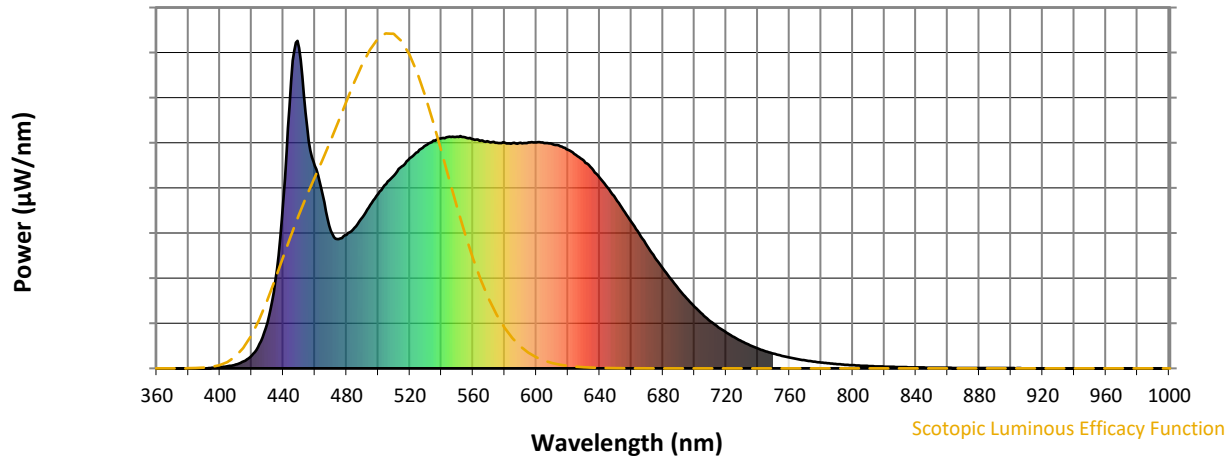


Photopic Lumens: NR

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



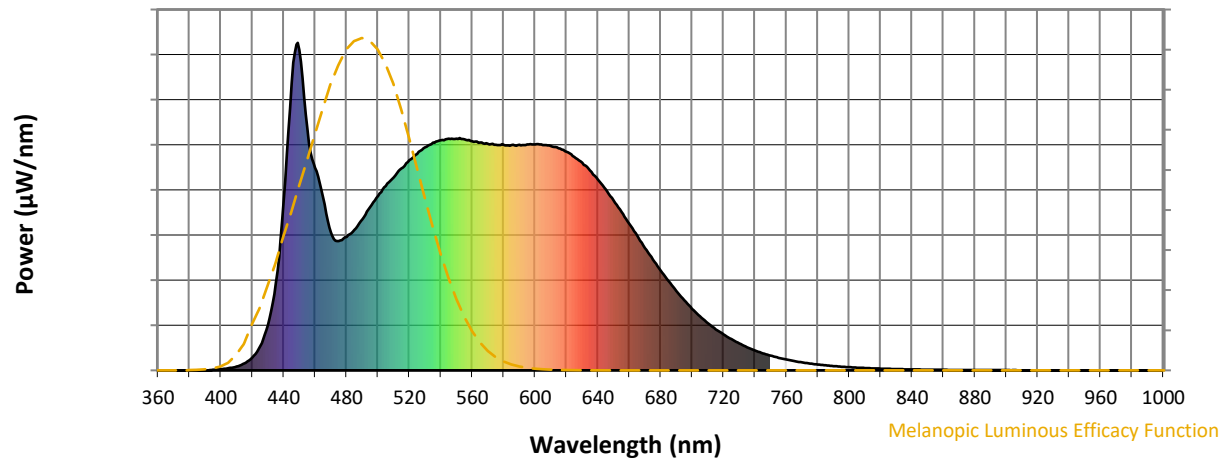
Scotopic Lumens: NR

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

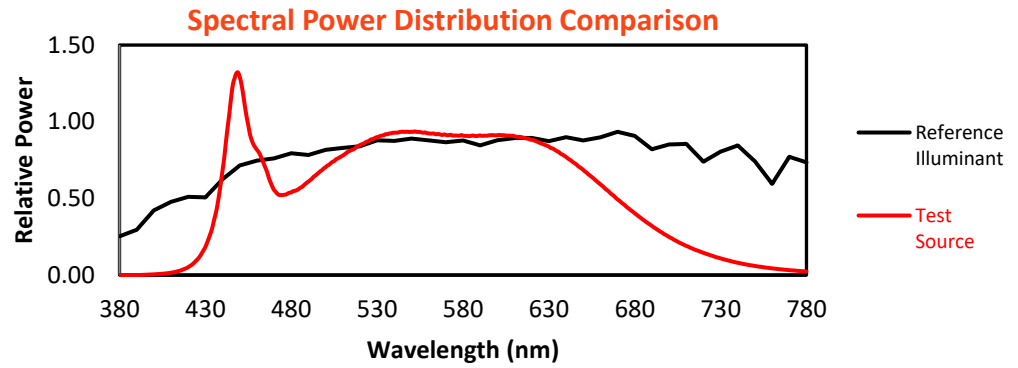
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533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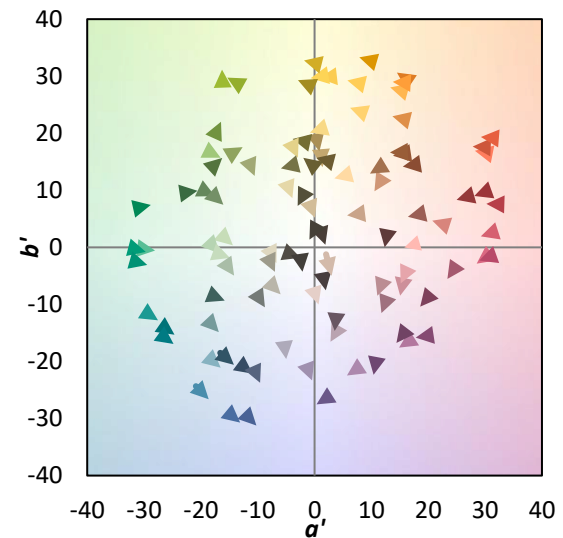
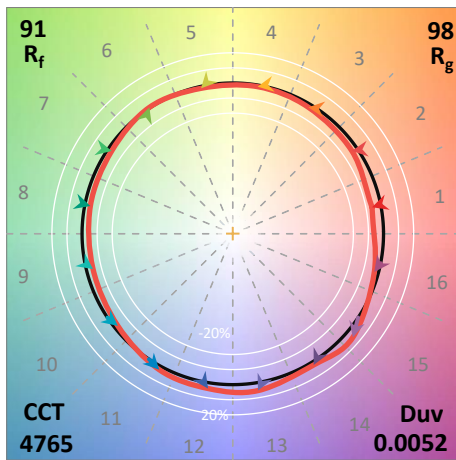
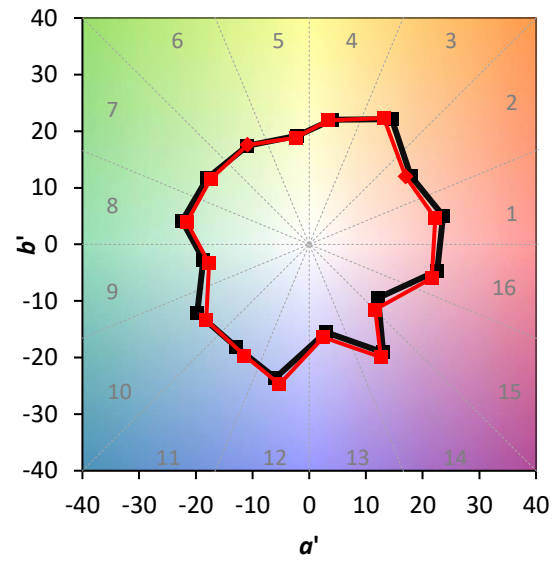
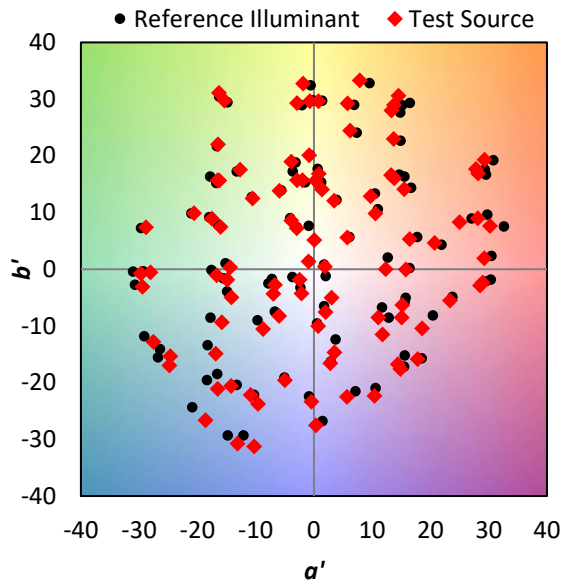
TM-30-18

Summary

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

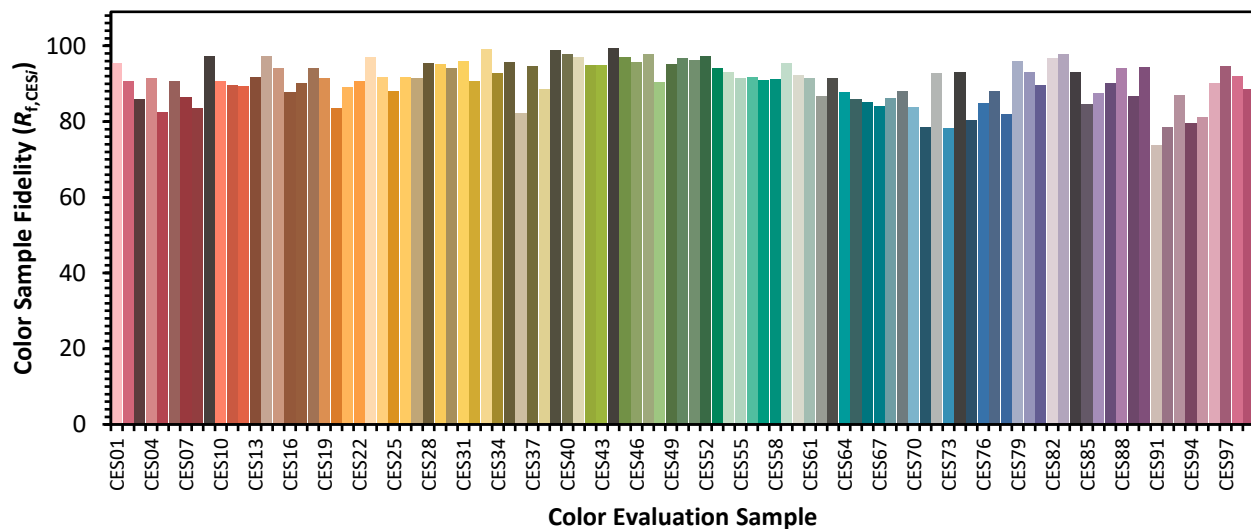


Color Vector Graphics

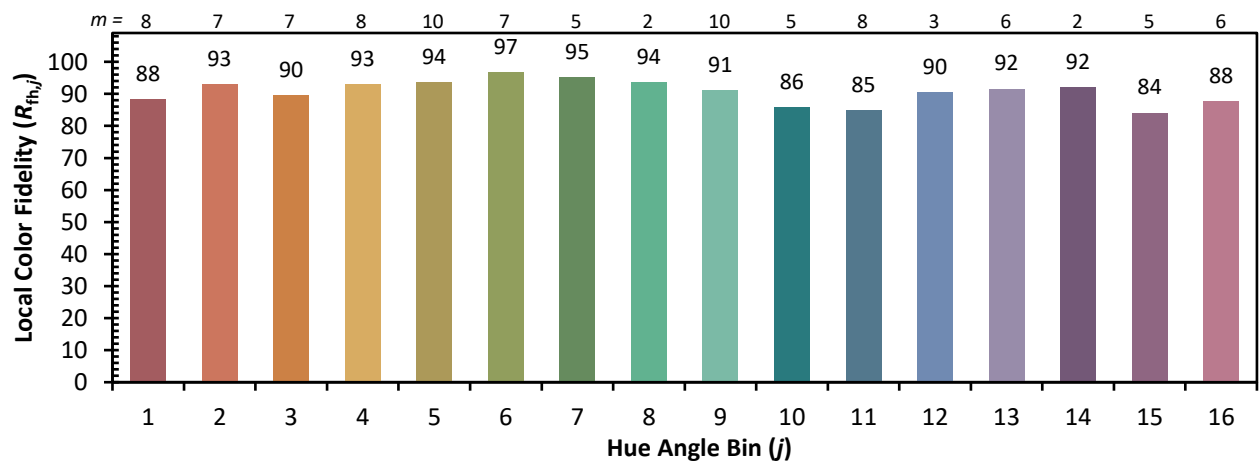
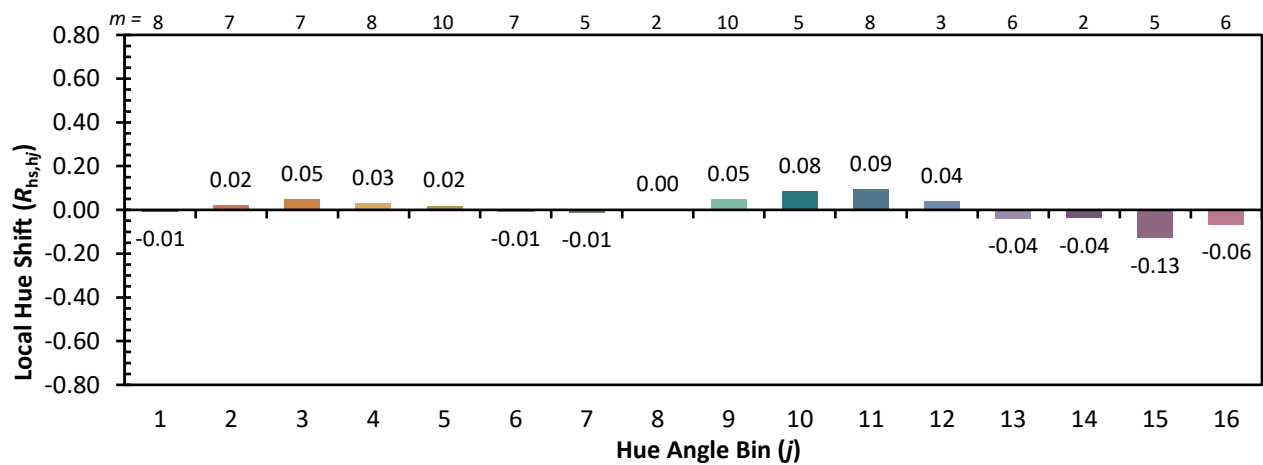
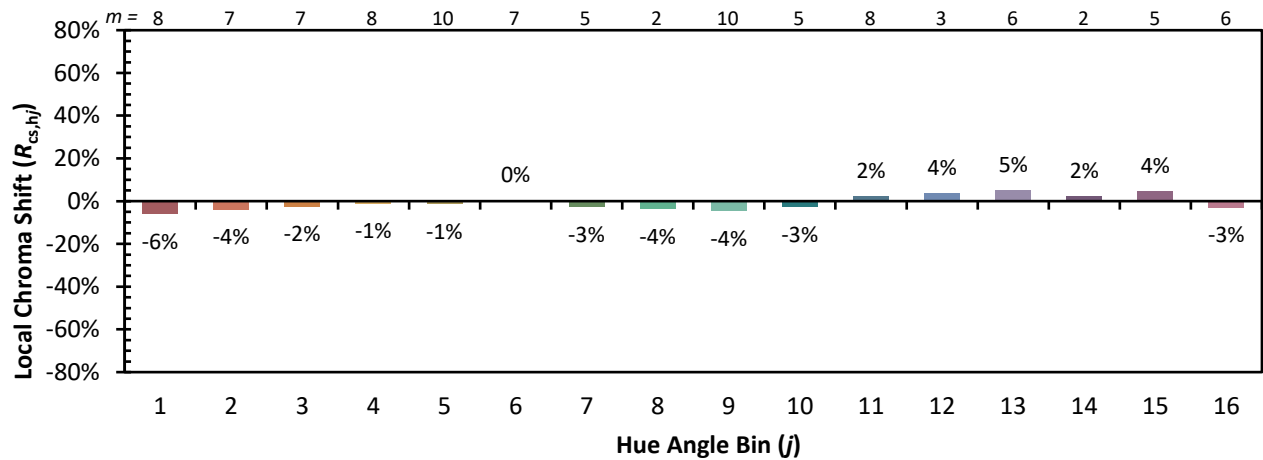


Individual Sample Fidelity Index ($R_{f,i}$)

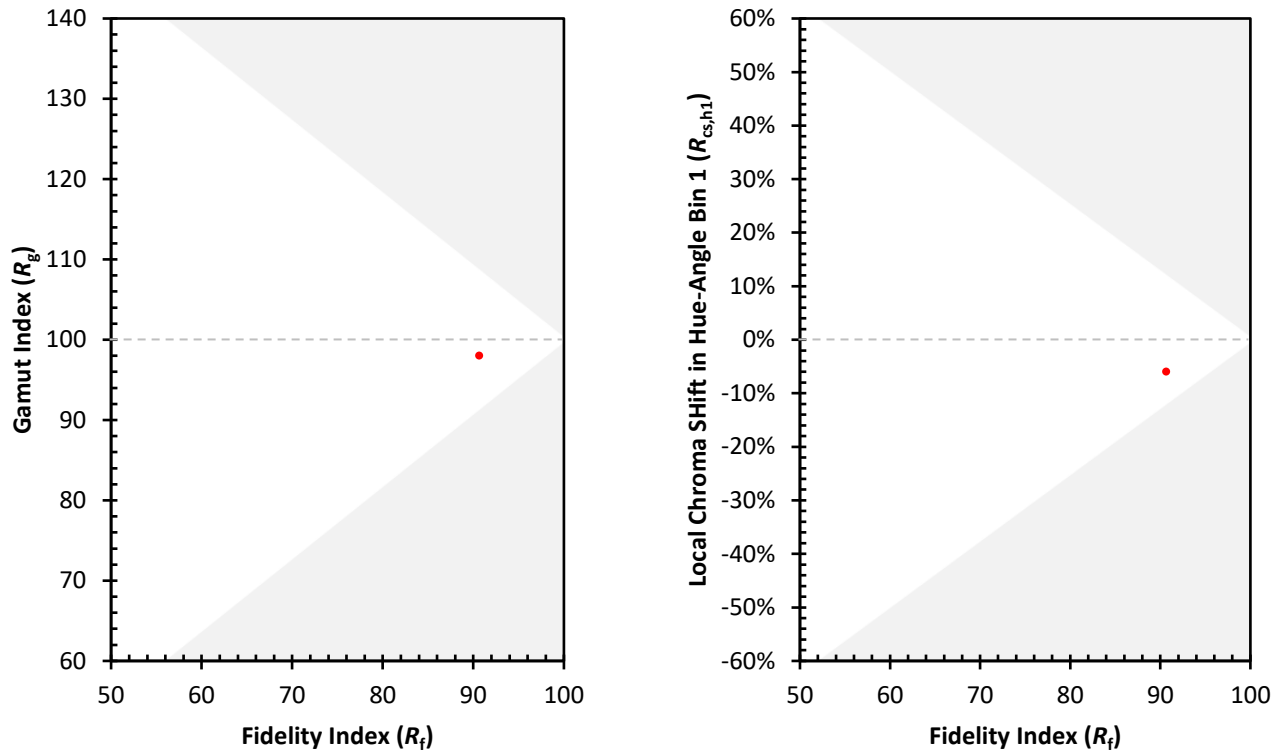
CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 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)