

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: P1047622

Luminaire Tested: **GALN-SA9B-950-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047622
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9B-950-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 9xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (126) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32855.5 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 312.7
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

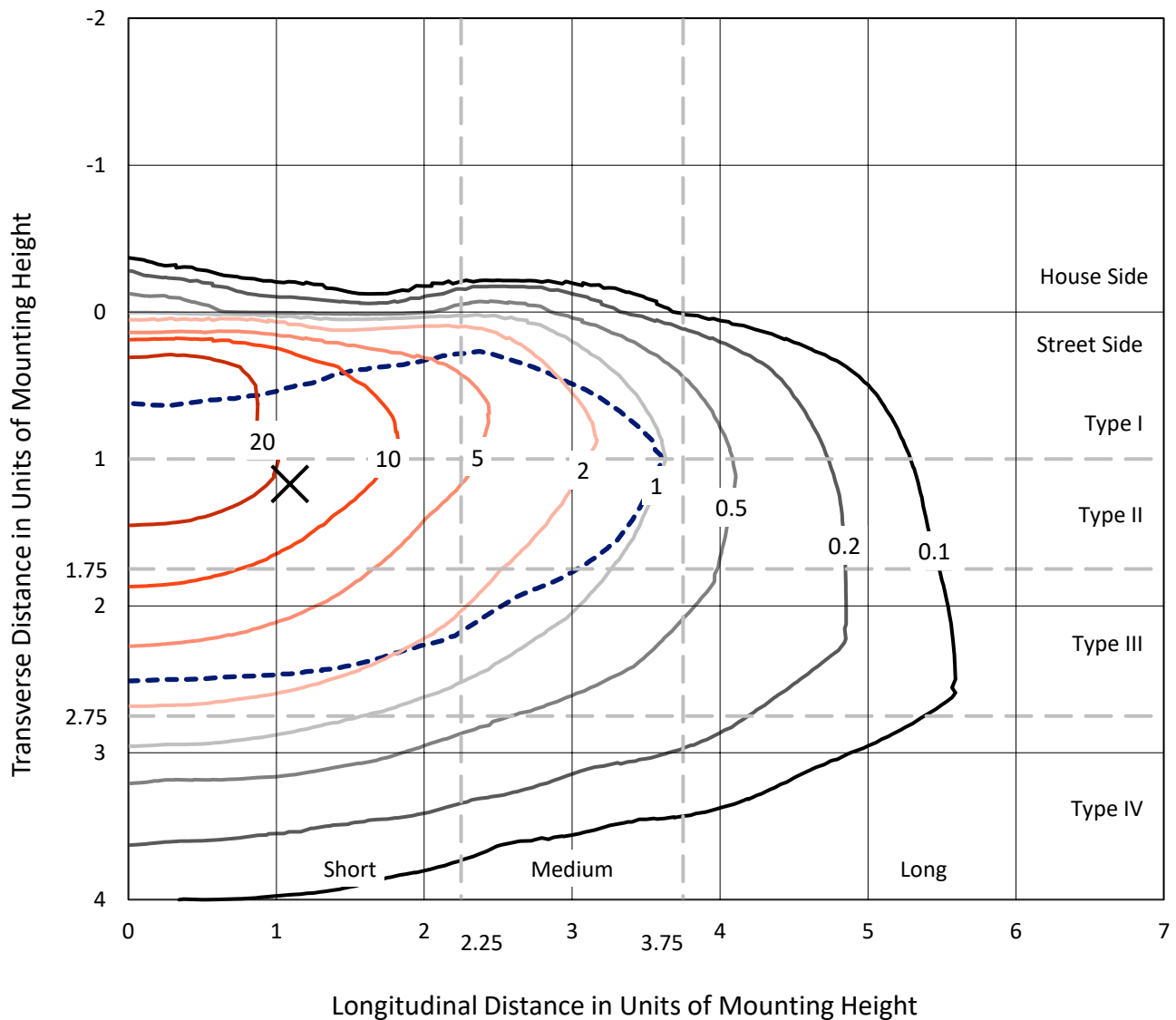


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

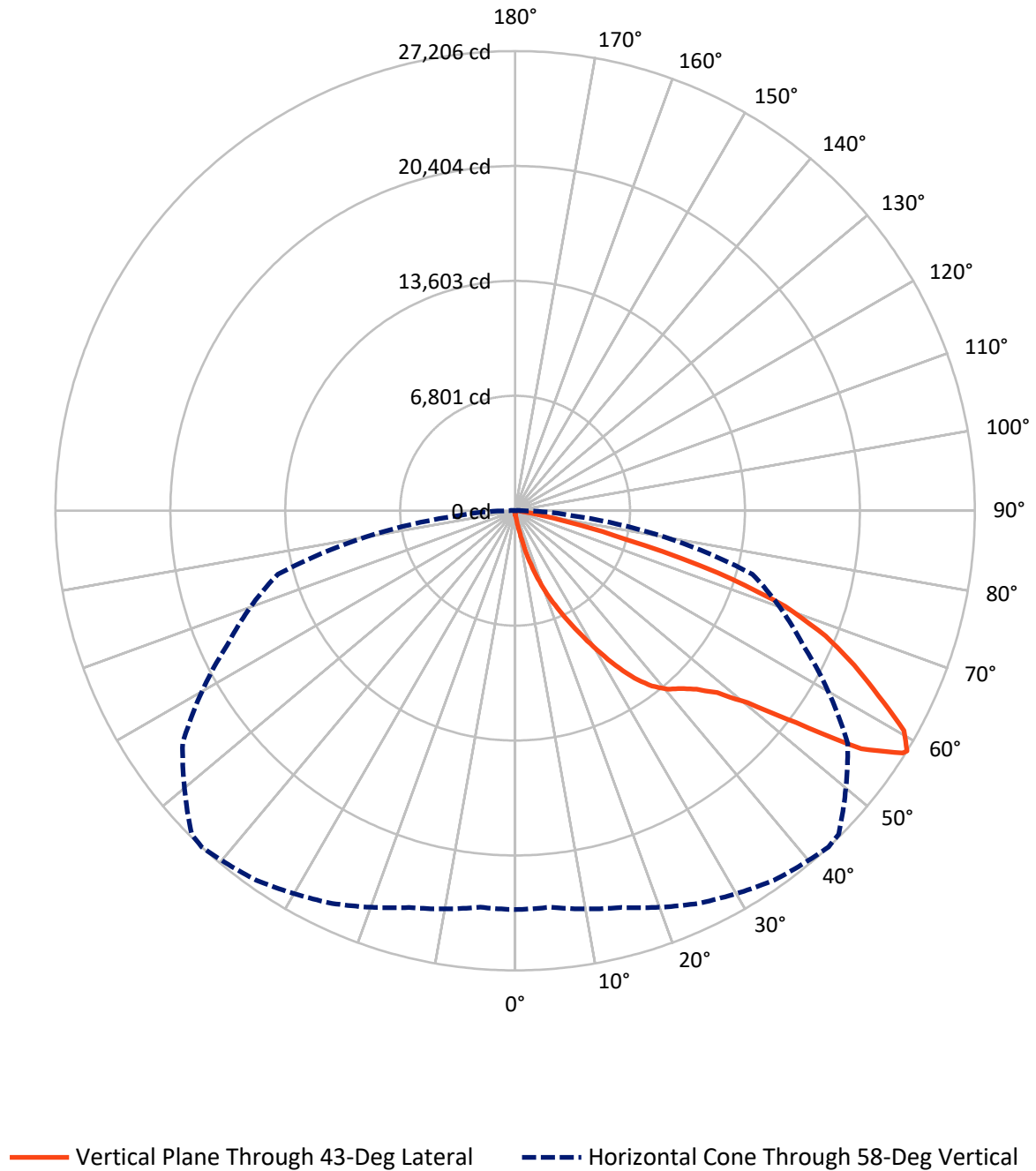


Based on 15 foot mounting height. Maximum calculated value = 36.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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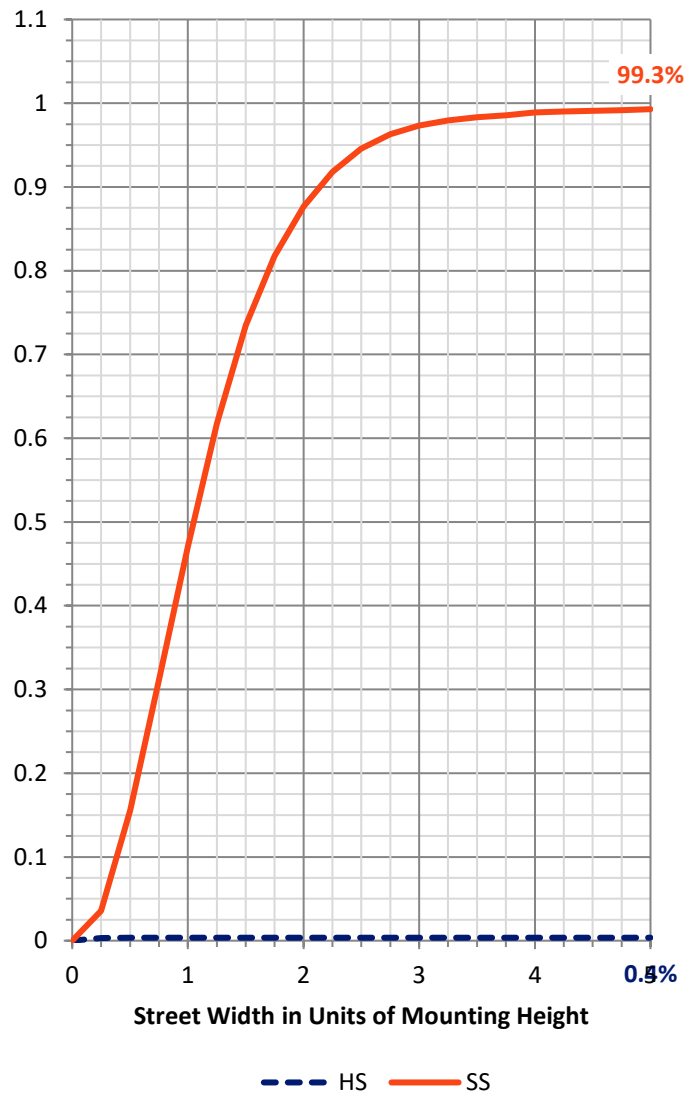
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	120.0	0.0	120.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	32735.5	0.0	32735.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	32855.5	0.0	32855.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.5	0.1
10°-20°	377.7	1.1
20°-30°	1361.2	4.1
30°-40°	3114.5	9.5
40°-50°	5252.9	16.0
50°-60°	8668.6	26.4
60°-70°	9688.3	29.5
70°-80°	4000.1	12.2
80°-90°	360.6	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°	32855.5	100.0
0°-180°	32855.5	100.0



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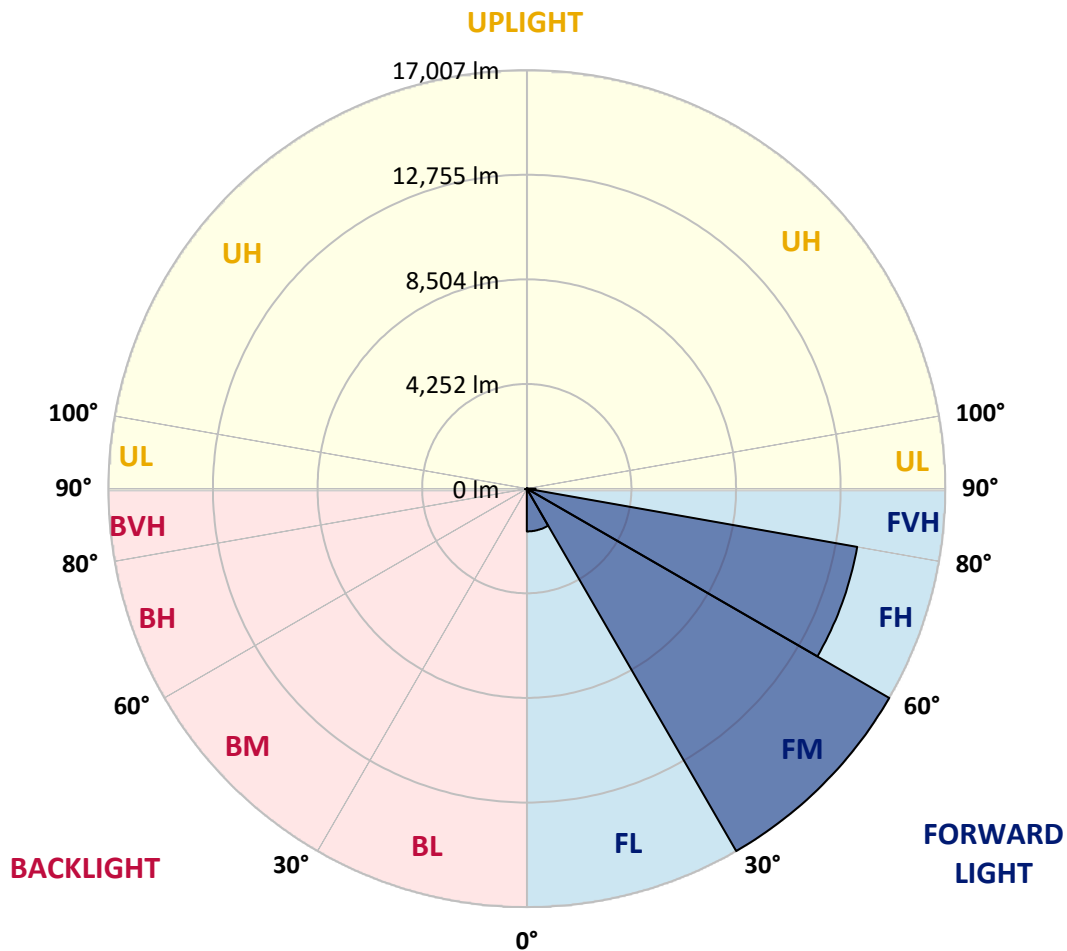
CATALOG NUMBER: GALN-SA9B-950-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1739.1	5.3			
FM	(30°-60°)	17007.3	51.8			
FH	(60°-80°)	13633.5	41.5			G5
FVH	(80°-90°)	355.7	1.1			G3/500
BL	(0°-30°)	31.3	0.1	B0/110		
BM	(30°-60°)	28.8	0.1	B0/220		
BH	(60°-80°)	55.0	0.2	B0/110		G0/110
BVH	(80°-90°)	4.9	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	214.8	214.8	214.8	214.8	214.8	214.8	214.8	214.8	214.8	214.8	214.8
2.5°	257.8	266.4	257.8	257.8	257.8	249.2	249.2	240.6	240.6	232.0	223.4
5°	378.1	378.1	352.3	335.1	317.9	309.4	300.8	283.6	266.4	249.2	232.0
7.5°	842.1	842.1	764.8	661.7	524.2	446.8	429.7	352.3	300.8	266.4	232.0
10°	2010.8	2010.8	1838.9	1555.3	1203.0	893.7	799.2	507.0	360.9	283.6	240.6
12.5°	3342.7	3385.7	3170.8	2809.9	2285.8	1744.4	1555.3	928.1	481.2	309.4	240.6
15°	4537.1	4434.0	4373.9	4030.1	3531.7	2887.3	2646.7	1563.9	696.0	352.3	240.6
17.5°	5344.9	5344.9	5259.0	5026.9	4571.5	4004.4	3806.7	2526.4	1125.7	403.9	249.2
20°	6290.1	6290.1	6135.4	5972.2	5568.3	5087.1	4898.0	3591.9	1744.4	515.6	249.2
22.5°	7433.0	7450.2	7278.3	6986.2	6599.5	6066.7	5903.4	4580.1	2526.4	687.4	257.8
25°	8825.1	8842.3	8593.1	8318.1	7725.2	7149.4	6900.2	5714.4	3480.2	962.4	257.8
27.5°	10363.2	10483.5	10114.0	9641.4	9014.1	8292.3	8103.3	6737.0	4425.4	1357.7	275.0
30°	12279.5	12279.5	11789.7	11128.0	10449.2	9555.5	9314.9	7811.1	5430.8	1881.9	292.2
32.5°	13929.4	13800.5	13173.2	12477.1	11755.3	10921.8	10664.0	8936.8	6462.0	2535.0	326.5
35°	15192.5	15080.8	14307.4	13559.8	12932.6	12167.8	11858.4	10157.0	7553.3	3274.0	378.1
37.5°	16275.3	16232.3	15183.9	14247.3	13834.8	13164.6	12889.6	11308.5	8627.4	4073.1	438.2
40°	17461.1	17323.6	16206.5	15046.4	14427.7	13886.4	13637.2	12236.5	9658.6	5009.8	524.2
42.5°	18475.1	18311.8	17306.4	16172.1	15115.2	14384.8	14144.2	13018.5	10664.0	5946.4	635.9
45°	19600.8	19514.8	18500.9	17641.6	16232.3	15063.6	14745.7	13645.8	11583.4	7063.5	782.0
47.5°	21293.6	21138.9	20193.7	19489.1	17856.4	16094.8	15639.4	14290.3	12468.5	8163.4	1005.4
50°	23261.4	23158.3	22599.7	22041.2	20417.1	17856.4	17315.0	15218.3	13456.7	9469.6	1297.6
52.5°	24868.3	24851.1	24919.9	24928.5	23699.7	20821.0	20013.2	16713.5	14591.0	10758.5	1710.0
55°	24833.9	24911.3	25667.5	26535.4	26629.9	24868.3	24086.3	19231.3	16069.0	12348.2	2285.8
57.5°	23905.9	23845.7	24644.9	25951.0	26870.5	27059.5	26930.7	23141.1	18294.6	14264.5	3170.8
58°	23605.1	23553.6	24309.8	25641.7	26698.6	27205.6	27076.7	24026.2	18793.0	14539.5	3411.4
60°	22513.8	22522.4	22969.3	24180.9	25237.8	26440.8	26561.2	26552.6	21276.4	16378.4	4623.1
62.5°	21070.2	21001.4	21413.9	22402.1	23330.2	24137.9	24344.1	26724.4	24911.3	18715.7	6934.6
65°	19076.6	18973.5	19411.7	20528.8	21525.6	22049.8	22058.4	24421.5	26621.3	21224.9	10234.3
67.5°	15373.0	15287.1	16163.5	17598.6	19136.7	19824.2	20133.5	21190.5	25177.7	22926.3	12124.8
70°	9418.0	9598.4	10818.7	13070.0	15699.5	16962.7	17426.7	17753.3	21439.7	22668.5	10139.8
72.5°	4348.1	4133.3	5173.0	6745.6	9744.5	12554.5	13035.7	14316.0	16997.1	19678.1	7561.9
75°	2028.0	1950.6	2191.2	2947.4	4416.8	6779.9	7656.4	11428.8	13035.7	13688.7	5456.6
77.5°	1039.8	1048.4	1246.0	1340.5	1821.7	3136.5	3600.5	7518.9	9555.5	7639.2	3660.6
80°	455.4	472.6	481.2	524.2	739.0	1211.6	1366.3	3488.8	6530.7	3892.7	2002.2
82.5°	292.2	300.8	300.8	300.8	352.3	481.2	550.0	1400.7	3256.8	1933.4	618.7
85°	154.7	154.7	171.9	214.8	249.2	292.2	309.4	446.8	1074.1	575.7	146.1
87.5°	85.9	94.5	103.1	128.9	163.3	197.6	214.8	309.4	412.5	395.3	34.4
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: P1047622

CATALOG NUMBER: GALN-SA9B-950-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	214.8	214.8	214.8	214.8	214.8	214.8	214.8	214.8	214.8	214.8	214.8
2.5°	223.4	214.8	206.2	197.6	189.0	180.5	180.5	180.5	180.5	180.5	180.5
5°	214.8	206.2	197.6	180.5	163.3	154.7	146.1	137.5	137.5	137.5	137.5
7.5°	214.8	206.2	180.5	163.3	146.1	128.9	111.7	111.7	111.7	111.7	111.7
10°	214.8	197.6	171.9	146.1	120.3	103.1	94.5	85.9	85.9	85.9	85.9
12.5°	214.8	189.0	163.3	128.9	103.1	85.9	77.3	68.7	68.7	68.7	68.7
15°	214.8	189.0	154.7	120.3	94.5	68.7	60.2	51.6	51.6	51.6	51.6
17.5°	206.2	180.5	146.1	103.1	77.3	51.6	43.0	34.4	34.4	43.0	43.0
20°	197.6	171.9	128.9	85.9	60.2	43.0	25.8	25.8	25.8	25.8	25.8
22.5°	197.6	171.9	120.3	77.3	51.6	25.8	17.2	17.2	17.2	17.2	25.8
25°	197.6	163.3	103.1	60.2	34.4	17.2	8.6	8.6	8.6	8.6	8.6
27.5°	197.6	163.3	94.5	51.6	25.8	17.2	8.6	0.0	0.0	0.0	0.0
30°	189.0	154.7	85.9	43.0	17.2	8.6	0.0	0.0	0.0	0.0	0.0
32.5°	189.0	146.1	68.7	34.4	17.2	8.6	0.0	0.0	0.0	0.0	0.0
35°	197.6	137.5	60.2	25.8	8.6	0.0	0.0	0.0	0.0	0.0	8.6
37.5°	206.2	128.9	51.6	17.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	214.8	120.3	51.6	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	232.0	120.3	43.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	249.2	120.3	34.4	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	283.6	128.9	34.4	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	309.4	137.5	25.8	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	343.7	128.9	25.8	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	386.7	128.9	25.8	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	421.1	120.3	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	438.2	111.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	524.2	103.1	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	816.3	85.9	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1658.5	77.3	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3093.5	68.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3463.0	77.3	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2182.6	60.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1151.5	60.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	575.7	60.2	8.6	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	266.4	43.0	8.6	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	111.7	25.8	17.2	8.6	8.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	51.6	25.8	17.2	17.2	8.6	8.6	0.0	0.0	0.0	0.0	0.0
87.5°	25.8	25.8	25.8	17.2	17.2	8.6	8.6	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

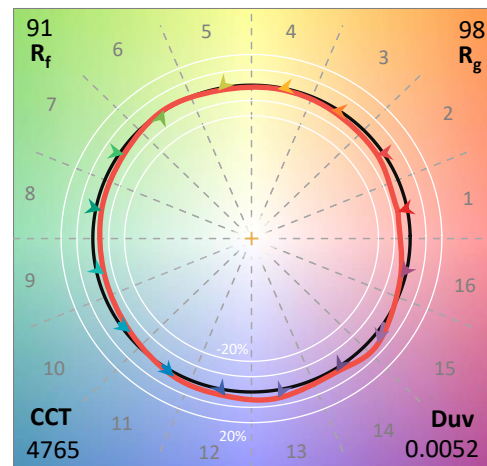
Test Information

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

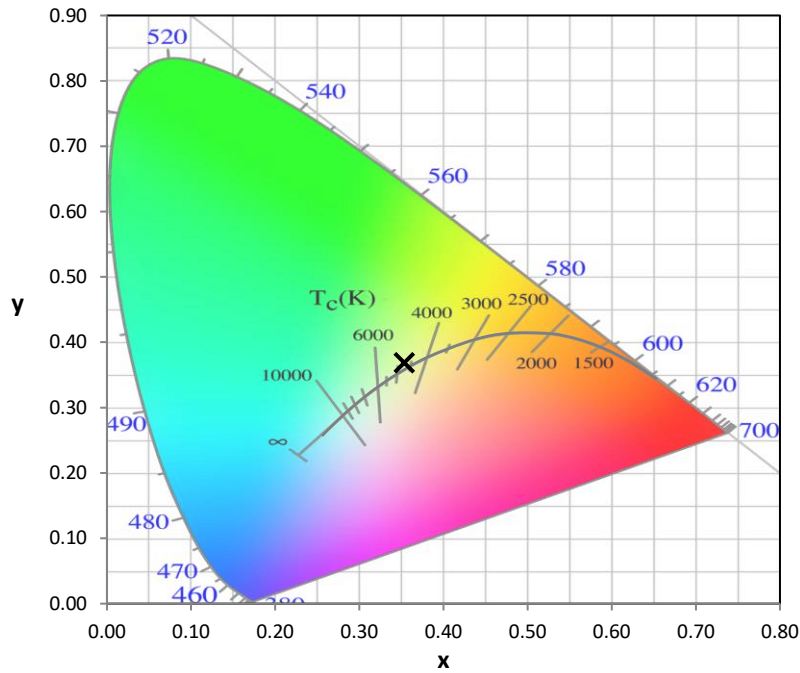
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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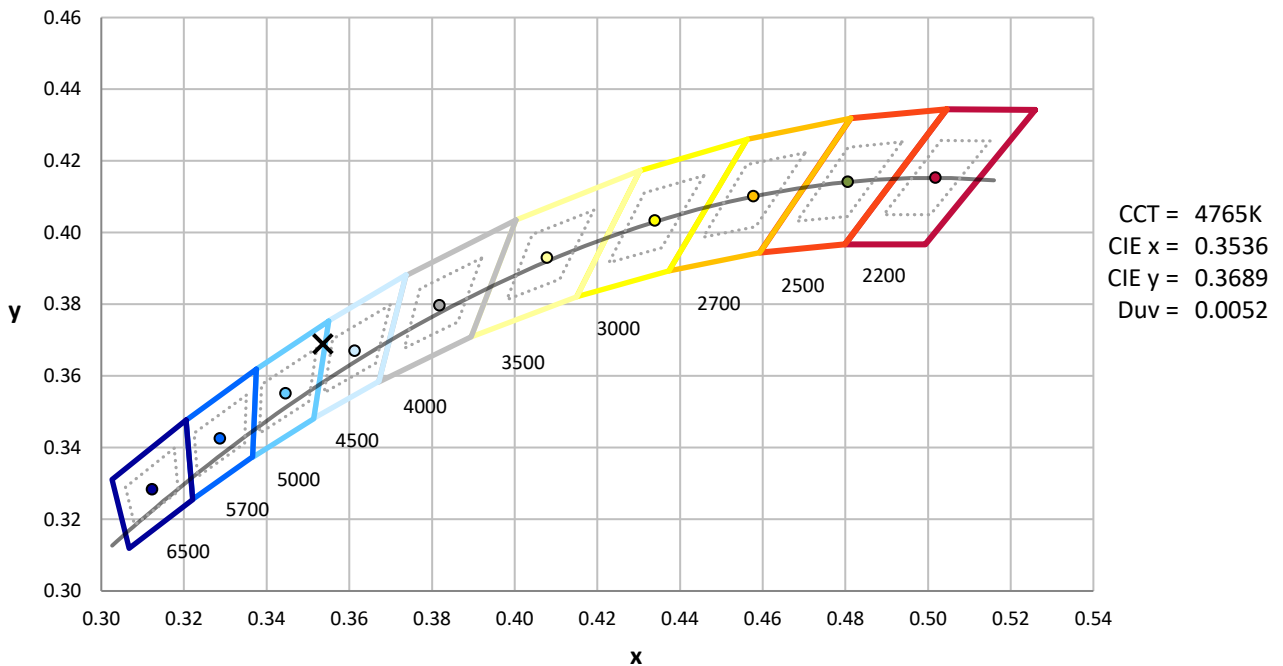
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



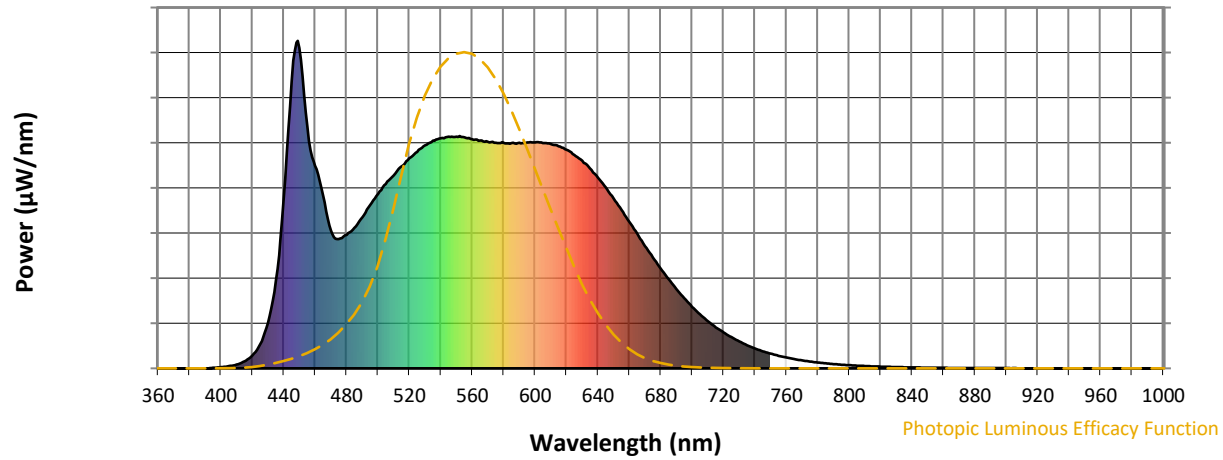
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

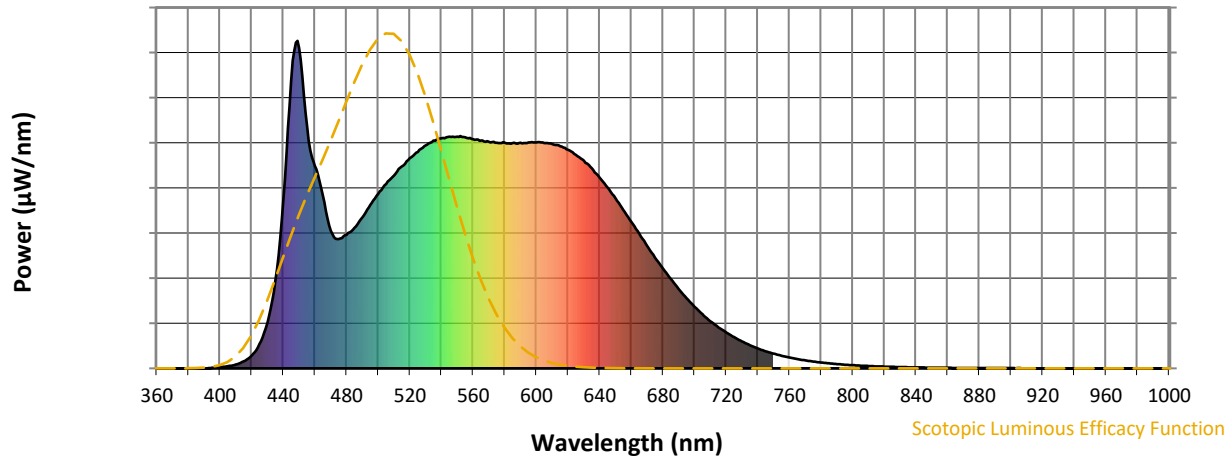


Photopic Lumens: NR

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



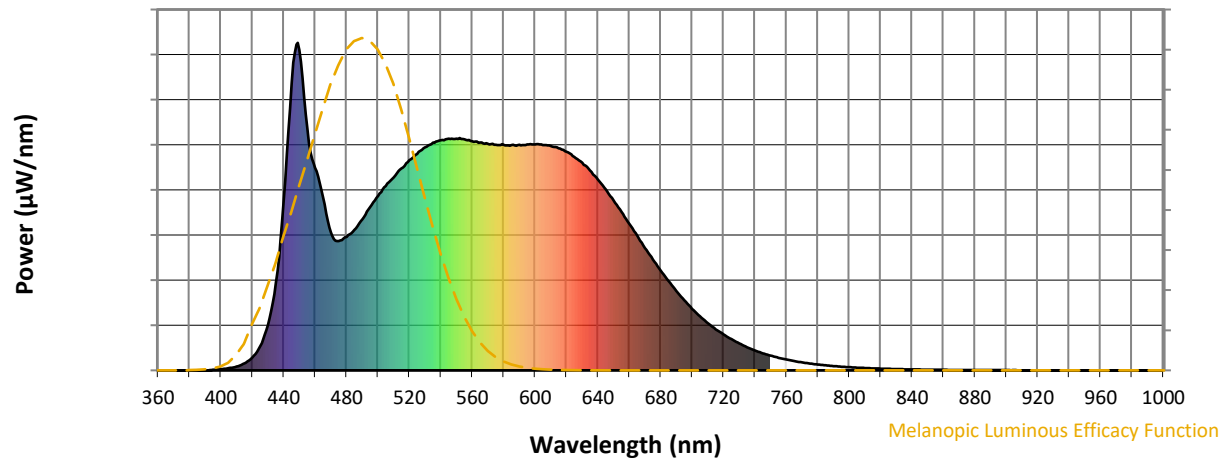
Scotopic Lumens: NR

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

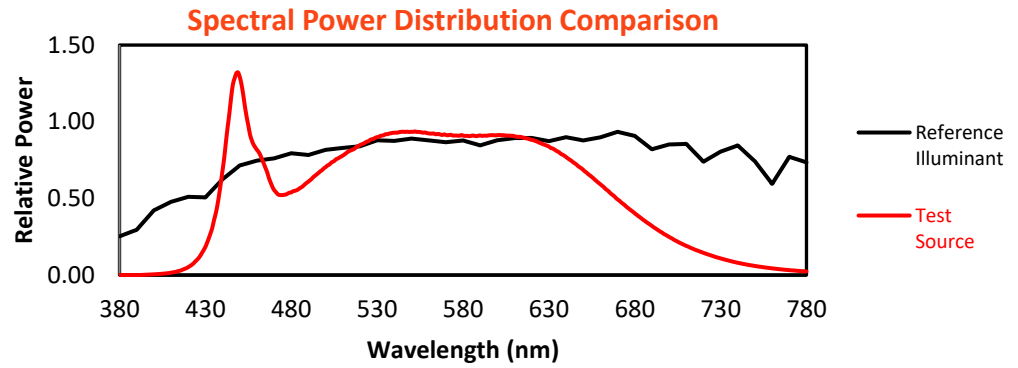
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462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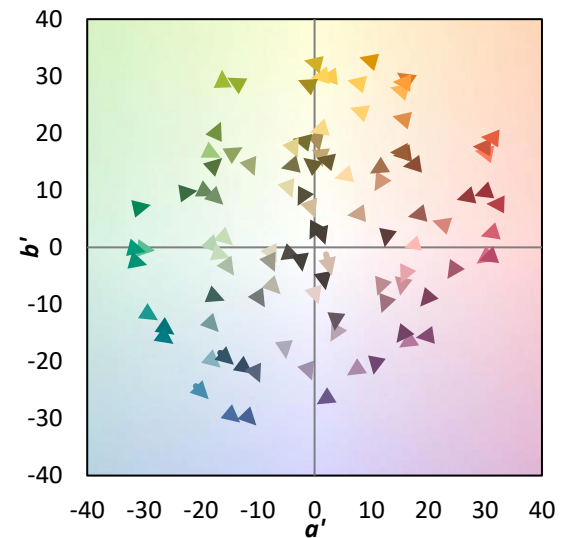
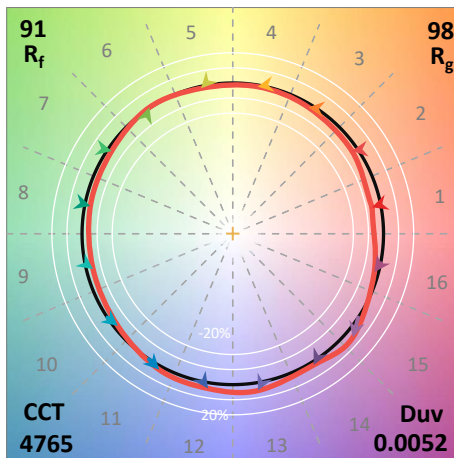
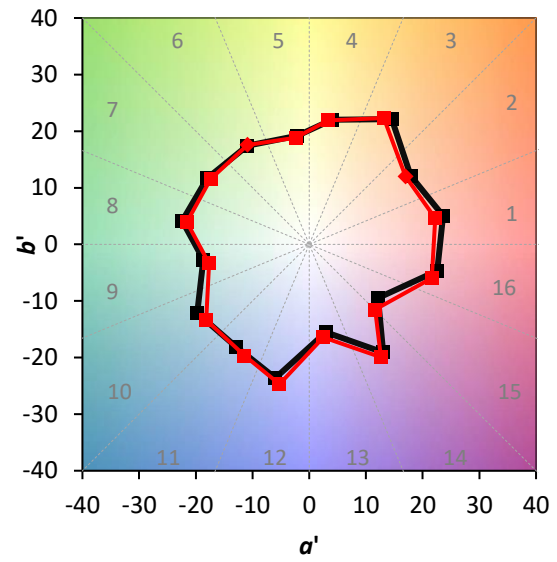
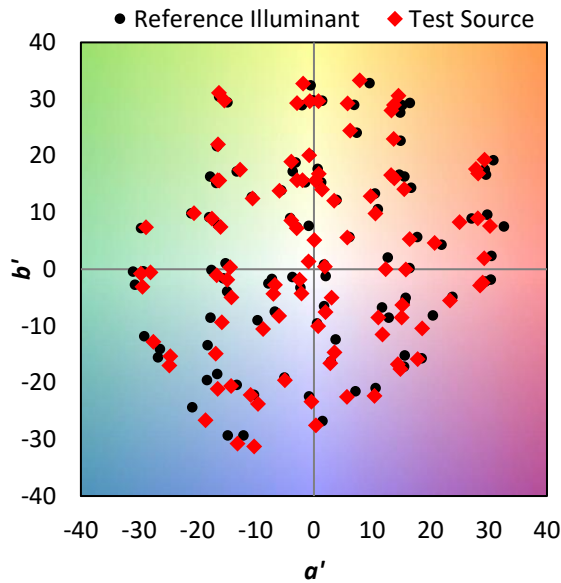
TM-30-18

Summary

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

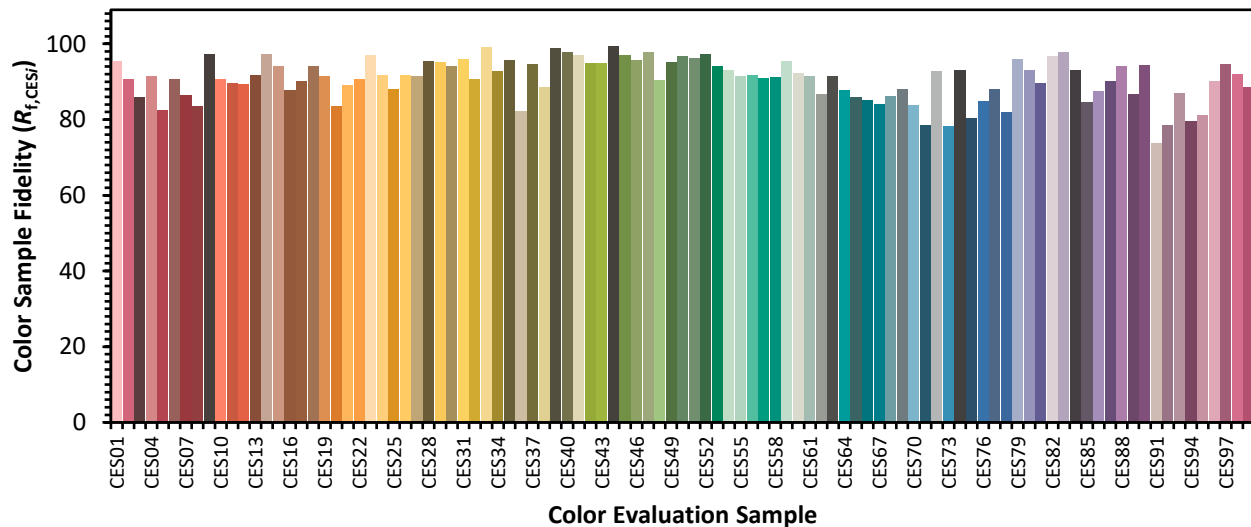


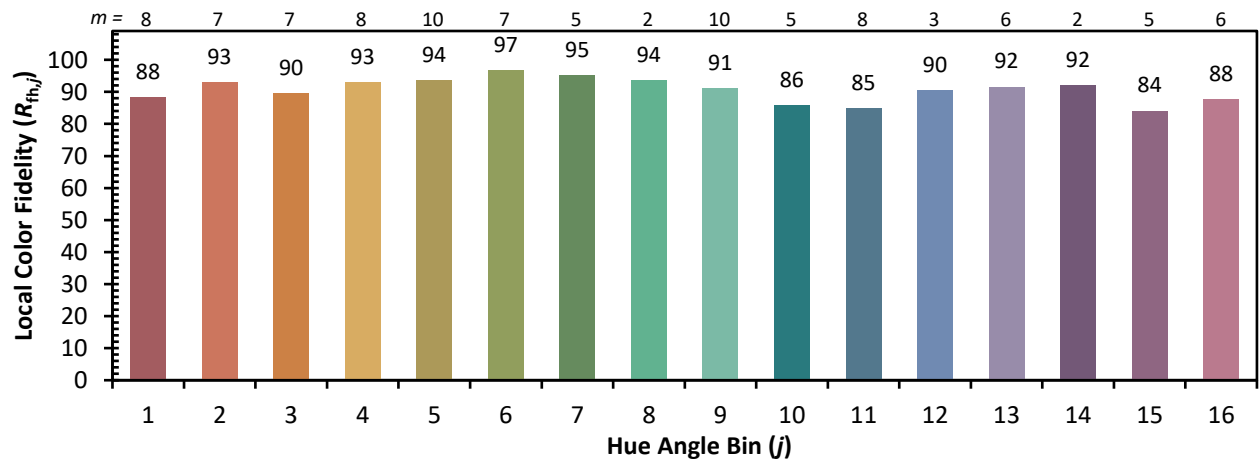
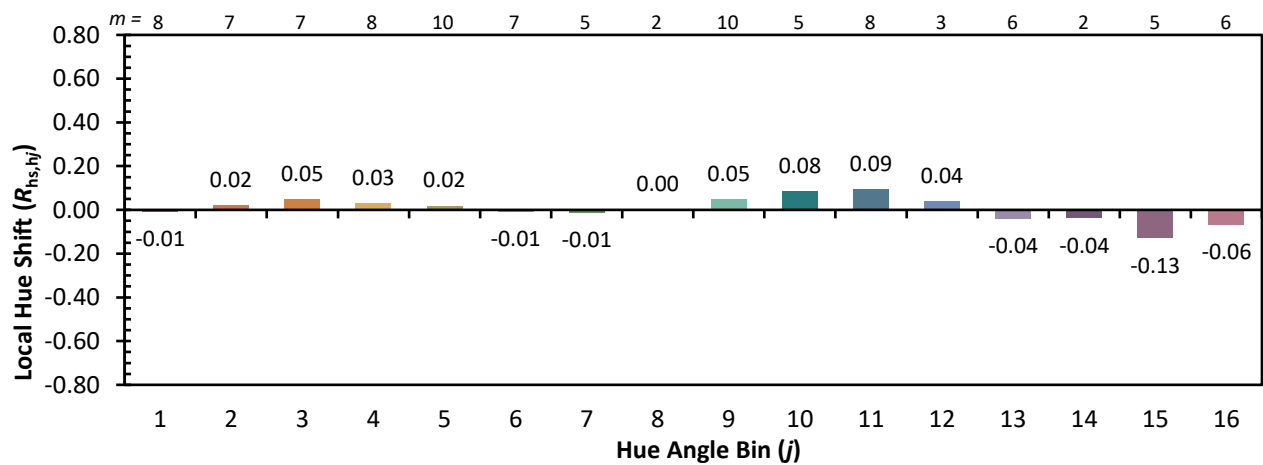
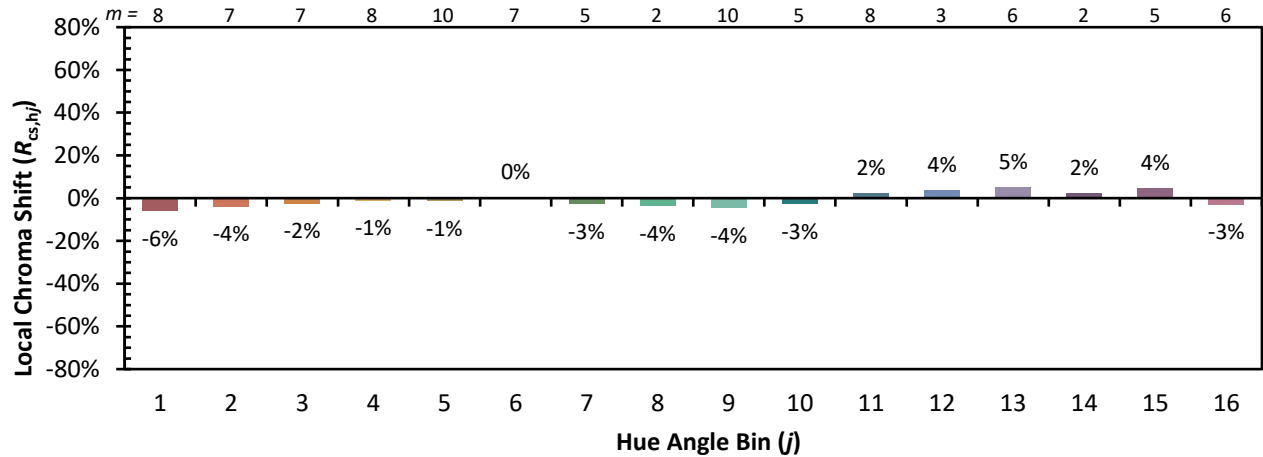
Color Vector Graphics



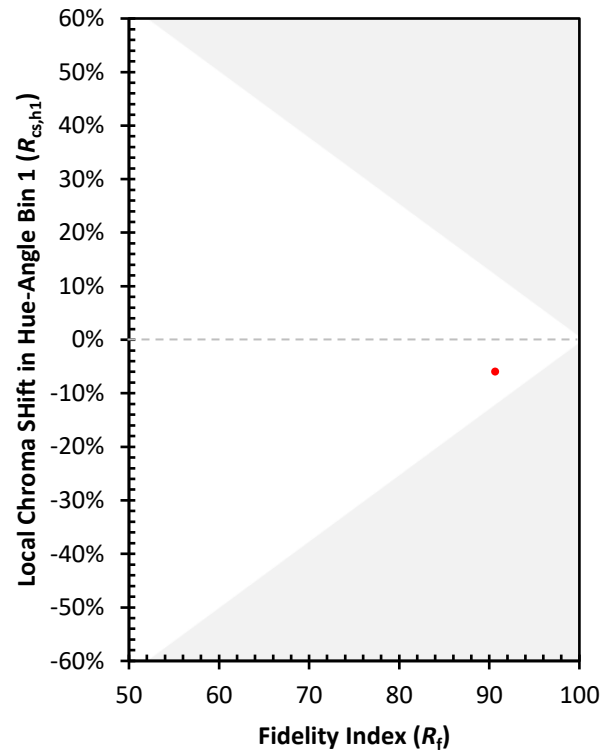
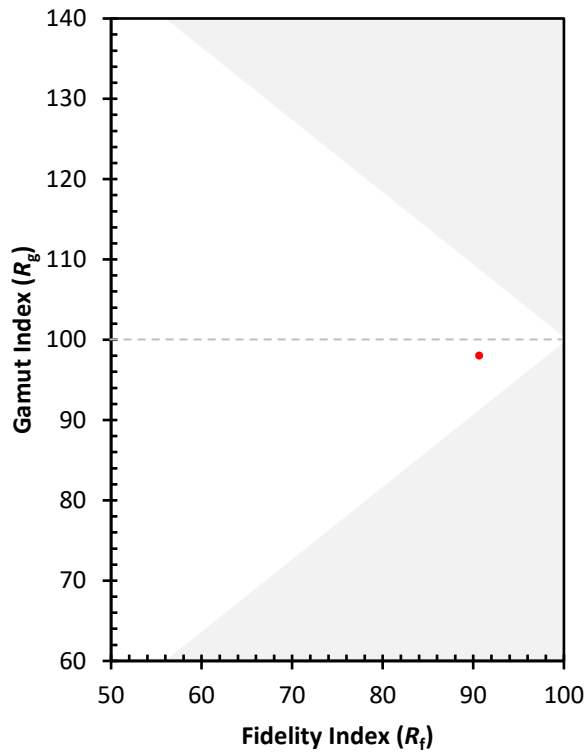
Individual Sample Fidelity Index ($R_{f,i}$)

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)