

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: P1048831

Luminaire Tested: **GALN-SA5C-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048831
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5C-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22194.8 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 236
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

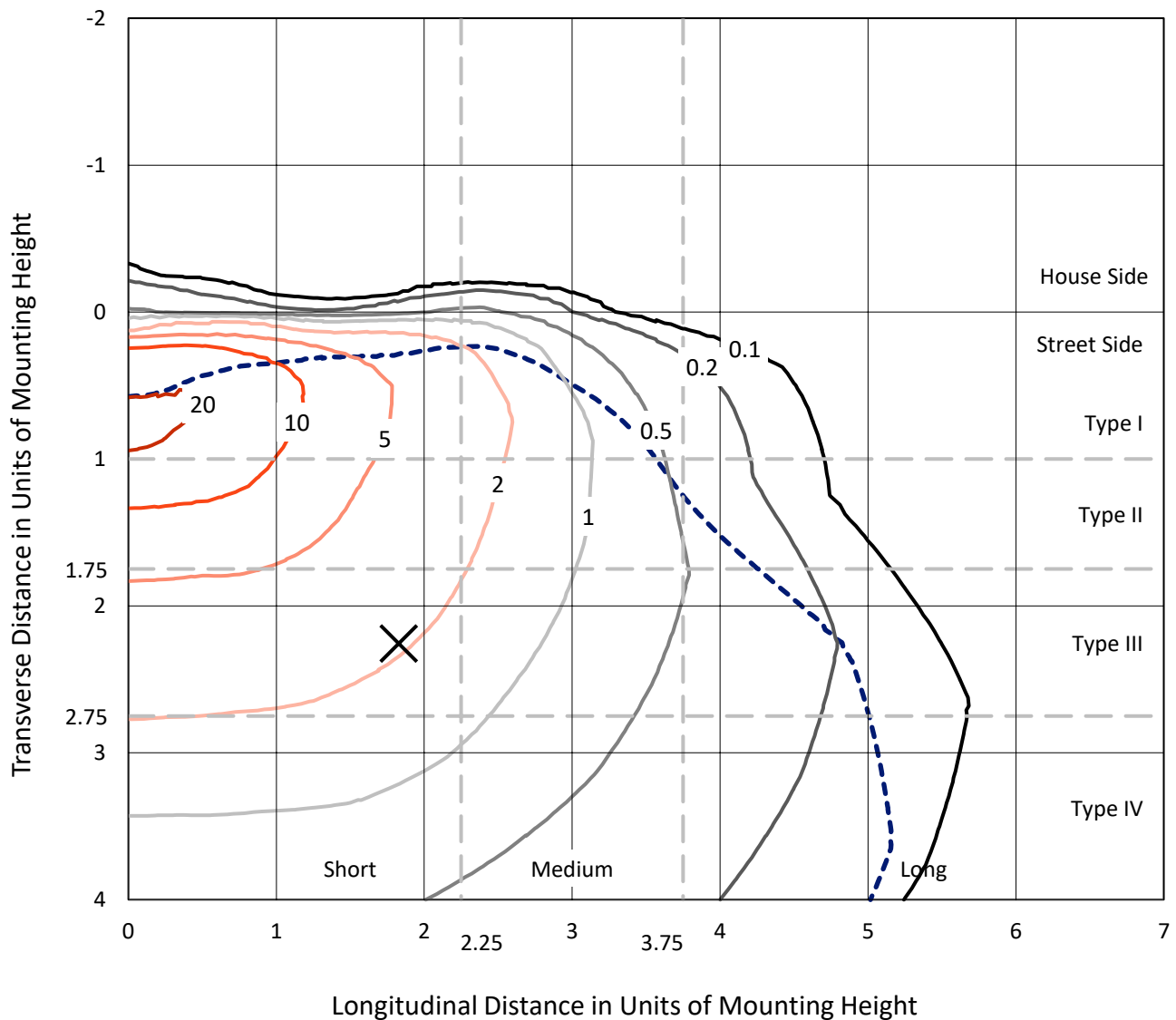


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CATALOG NUMBER: GALN-SA5C-950-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

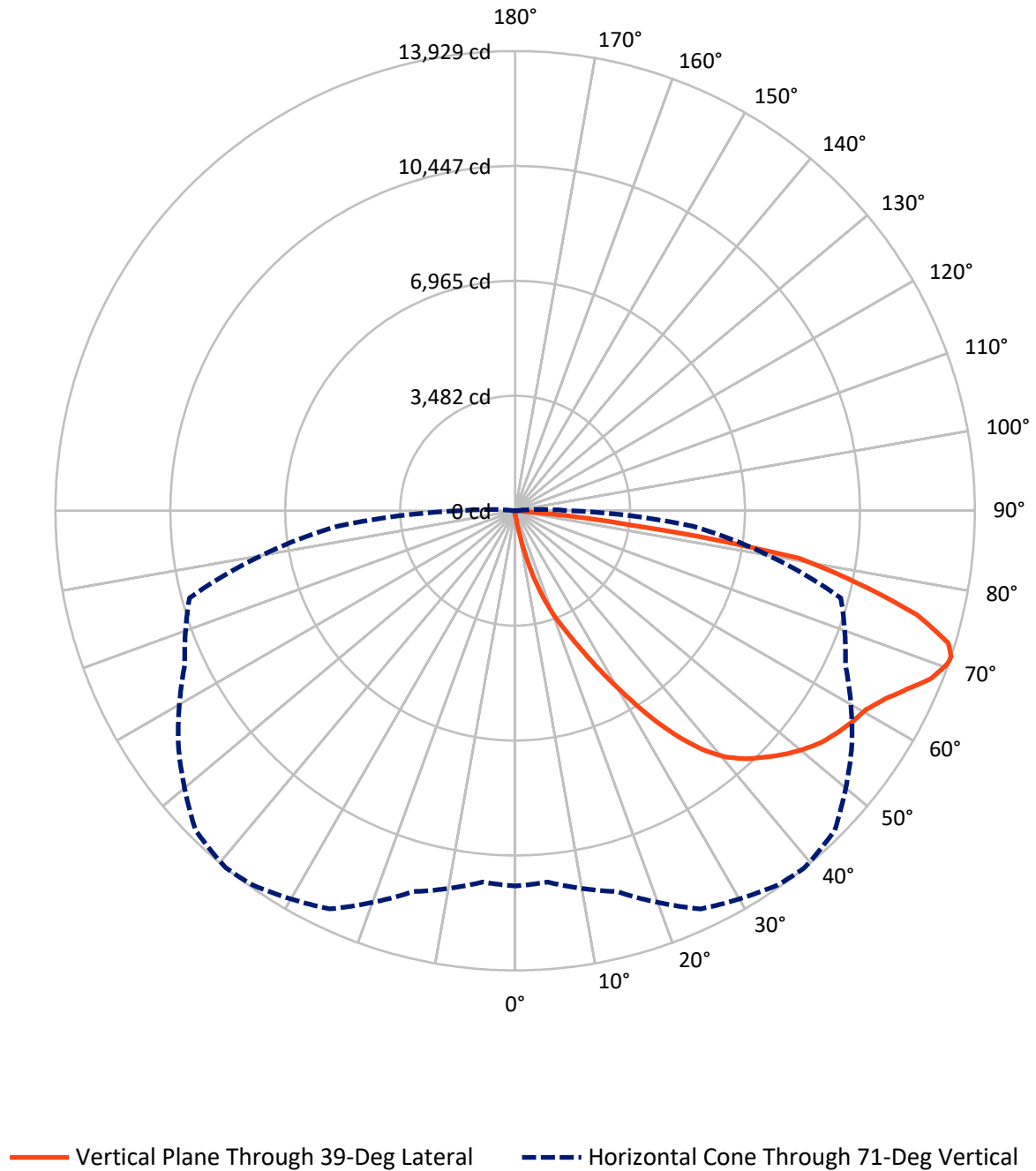


Based on 15 foot mounting height. Maximum calculated value = 22.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	78.9	0.0	78.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	22115.9	0.0	22115.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	22194.8	0.0	22194.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.1
10°-20°	237.2	1.1
20°-30°	844.8	3.8
30°-40°	2036.0	9.2
40°-50°	3407.4	15.4
50°-60°	4376.4	19.7
60°-70°	5538.4	25.0
70°-80°	4937.7	22.2
80°-90°	798.2	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°	22194.8	100.0
0°-180°	22194.8	100.0



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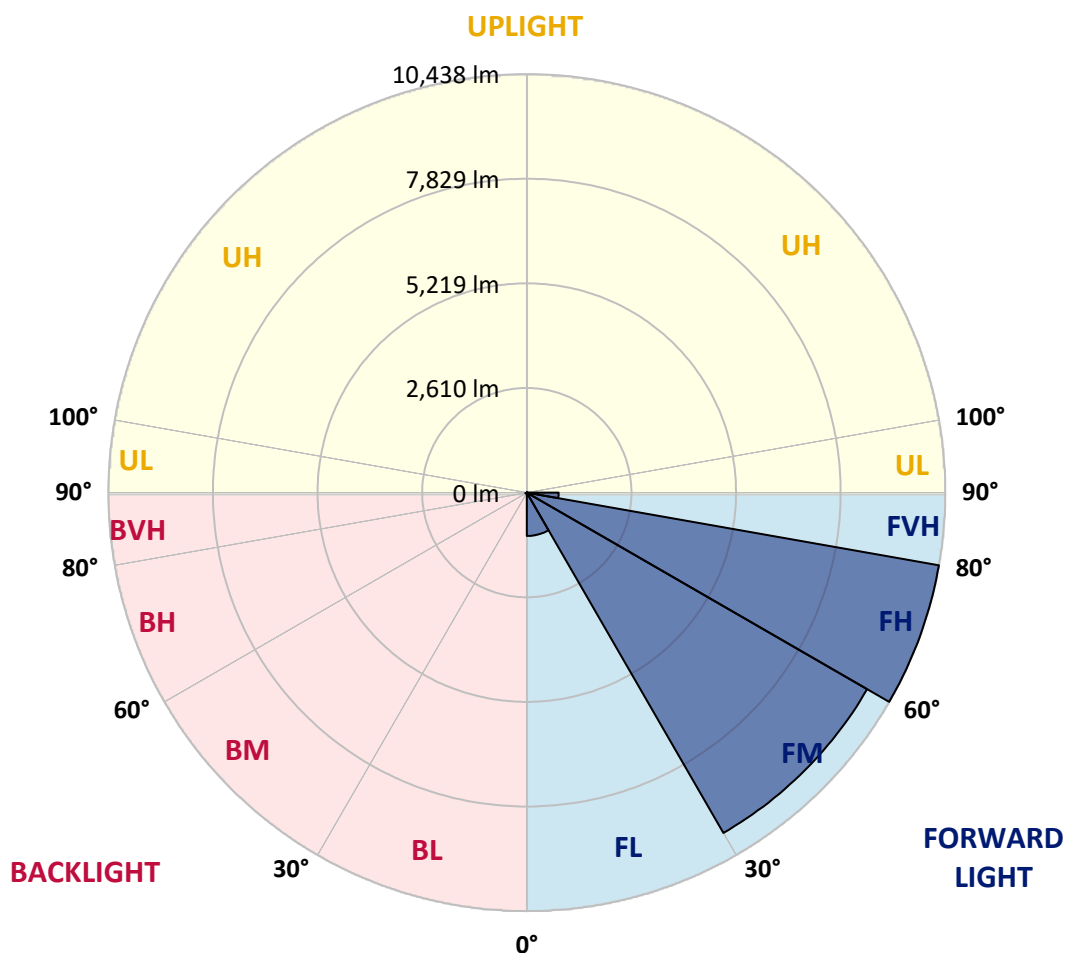
CATALOG NUMBER: GALN-SA5C-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1081.5	4.9			
FM	(30°-60°)	9801.7	44.2			
FH	(60°-80°)	10438.2	47.0			G4/12000
FVH	(80°-90°)	794.5	3.6			G5
BL	(0°-30°)	19.1	0.1	B0/110		
BM	(30°-60°)	18.2	0.1	B0/220		
BH	(60°-80°)	37.9	0.2	B0/110		G0/110
BVH	(80°-90°)	3.6	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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CATALOG NUMBER: GALN-SA5C-950-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7
2.5°	139.7	139.7	139.7	135.2	135.2	133.7	132.2	132.2	129.2	127.7	124.7
5°	211.8	207.3	196.8	190.8	178.8	171.3	163.8	153.3	142.7	135.2	126.2
7.5°	479.3	489.8	455.2	390.6	324.5	296.0	247.9	199.8	165.3	142.7	127.7
10°	1221.5	1215.5	1098.3	969.1	748.2	659.6	516.9	326.0	213.4	156.3	129.2
12.5°	2077.9	2071.9	1933.7	1757.9	1466.4	1281.6	1011.2	608.5	306.5	177.3	129.2
15°	2797.6	2773.6	2730.0	2555.7	2214.6	2059.9	1702.3	1075.8	495.8	213.4	132.2
17.5°	3273.9	3252.9	3212.3	3149.2	2932.8	2749.5	2462.6	1690.3	802.3	276.5	138.2
20°	3711.1	3696.1	3663.0	3651.0	3511.3	3413.6	3176.2	2396.4	1250.1	375.6	147.2
22.5°	4312.1	4280.5	4294.1	4221.9	4085.2	3968.0	3822.3	3135.7	1797.0	540.9	163.8
25°	5048.3	5033.3	4995.7	4944.6	4755.3	4653.2	4429.3	3832.8	2408.5	757.2	181.8
27.5°	5937.8	5921.2	5912.2	5795.0	5577.2	5466.0	5153.5	4490.9	3096.6	1060.7	205.8
30°	6962.5	6970.0	6911.4	6761.1	6507.2	6350.9	6029.4	5180.5	3801.3	1416.8	231.4
32.5°	8023.2	8008.2	7918.0	7740.7	7513.9	7368.1	6959.4	5936.3	4540.5	1887.1	261.4
35°	9166.6	9138.0	8900.6	8697.8	8504.0	8320.7	7948.1	6813.7	5279.7	2414.5	302.0
37.5°	10320.5	10186.8	9710.5	9453.5	9319.8	9169.6	8822.5	7749.7	6014.4	3003.4	351.6
40°	11191.9	11088.2	10523.3	10050.0	9943.4	9815.6	9557.2	8558.1	6795.7	3636.0	411.7
42.5°	11674.2	11617.1	11109.3	10642.0	10391.1	10278.4	10057.5	9264.2	7567.9	4334.6	498.8
45°	11880.0	11791.4	11451.8	11234.0	10834.3	10648.0	10385.1	9797.6	8374.8	5127.9	620.5
47.5°	11816.9	11765.9	11522.5	11602.1	11312.1	11022.1	10636.0	10206.3	9064.4	6038.4	787.3
50°	11420.3	11376.7	11301.6	11732.8	11696.7	11354.2	10960.5	10529.3	9627.8	6977.5	1045.7
52.5°	10666.0	10648.0	10840.3	11630.6	11914.6	11647.2	11273.0	10814.8	10153.7	7958.6	1415.3
55°	9693.9	9767.6	10317.5	11471.4	12025.8	11863.5	11549.5	11082.2	10575.9	8836.0	1960.7
57.5°	9294.3	9313.8	10000.4	11358.7	12075.4	12054.3	11818.4	11337.6	10963.5	9537.7	2793.1
60°	9761.6	9731.5	10093.6	11444.3	12174.5	12225.6	12057.3	11575.0	11300.1	10140.2	3901.9
62.5°	10605.9	10589.4	10705.1	11809.4	12464.5	12568.2	12389.4	11746.3	11597.6	10536.8	5167.0
65°	11360.2	11325.6	11540.5	12457.0	12973.8	13047.5	12891.2	12039.3	11728.3	10825.3	6355.5
67.5°	11686.2	11678.7	12024.3	13073.0	13508.7	13588.3	13451.6	12443.5	11698.2	10917.0	6879.8
70°	11537.5	11508.9	12061.8	13334.4	13810.7	13900.9	13768.6	12593.7	11372.2	10627.0	6103.0
71°	11373.7	11297.1	11949.2	13316.4	13852.8	13929.4	13698.0	12457.0	11044.7	10215.3	5398.4
72.5°	10865.9	10879.4	11639.6	13128.6	13752.1	13729.6	13298.4	11967.2	10649.5	9280.8	4336.1
75°	9615.8	9695.4	10637.5	12339.8	12853.6	12566.7	11907.1	11031.1	9856.2	6654.4	3011.0
77.5°	7857.9	7976.6	9011.8	10822.3	10676.6	10648.0	10621.0	9719.5	8416.8	3574.4	2094.4
80°	3751.7	4008.6	5435.9	7725.7	8392.8	8715.8	8513.0	7832.4	6508.7	1702.3	1251.6
82.5°	244.9	241.9	342.6	649.1	2736.0	3536.8	5619.2	5598.2	4537.5	829.4	510.8
85°	115.7	118.7	130.7	148.7	172.8	189.3	261.4	1532.5	2171.1	395.1	111.2
87.5°	67.6	69.1	81.1	103.7	135.2	150.2	178.8	229.9	282.5	217.9	24.0
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: GALN-SA5C-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7
2.5°	123.2	121.7	117.2	112.7	108.2	105.2	103.7	105.2	105.2	106.7	106.7
5°	123.2	118.7	111.2	102.2	96.2	90.1	87.1	85.6	87.1	87.1	87.1
7.5°	121.7	114.2	103.7	93.2	85.6	78.1	75.1	73.6	73.6	75.1	75.1
10°	118.7	111.2	97.7	85.6	76.6	67.6	63.1	58.6	58.6	58.6	60.1
12.5°	117.2	106.7	90.1	78.1	66.1	55.6	46.6	42.1	43.6	43.6	43.6
15°	114.2	102.2	85.6	70.6	55.6	42.1	34.6	30.0	31.6	33.1	31.6
17.5°	114.2	100.7	79.6	61.6	43.6	31.6	25.5	22.5	22.5	24.0	24.0
20°	114.2	97.7	75.1	52.6	33.1	24.0	18.0	16.5	16.5	19.5	21.0
22.5°	117.2	97.7	69.1	43.6	27.0	18.0	13.5	12.0	13.5	16.5	18.0
25°	121.7	96.2	63.1	39.1	22.5	13.5	10.5	7.5	9.0	12.0	13.5
27.5°	126.2	94.7	57.1	34.6	18.0	10.5	7.5	6.0	4.5	6.0	6.0
30°	130.7	94.7	51.1	28.5	15.0	7.5	4.5	3.0	1.5	0.0	0.0
32.5°	133.7	91.7	46.6	22.5	12.0	6.0	3.0	1.5	0.0	0.0	0.0
35°	136.7	88.6	40.6	18.0	9.0	4.5	1.5	0.0	0.0	0.0	0.0
37.5°	139.7	84.1	34.6	15.0	7.5	3.0	0.0	0.0	0.0	0.0	0.0
40°	142.7	78.1	28.5	13.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	145.7	73.6	24.0	10.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	153.3	70.6	19.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	166.8	67.6	18.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	186.3	64.6	16.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	213.4	63.1	15.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	261.4	61.6	13.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	344.1	60.1	13.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	527.4	57.1	13.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	942.0	55.6	12.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1642.2	57.1	12.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2354.4	60.1	10.5	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	2014.8	52.6	10.5	6.0	3.0	1.5	0.0	0.0	0.0	0.0	0.0
71°	1642.2	46.6	10.5	6.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0
72.5°	1056.2	36.1	9.0	6.0	3.0	3.0	1.5	0.0	0.0	0.0	0.0
75°	446.2	30.0	9.0	6.0	4.5	3.0	3.0	1.5	0.0	0.0	0.0
77.5°	190.8	22.5	9.0	7.5	6.0	4.5	4.5	3.0	1.5	0.0	0.0
80°	72.1	18.0	10.5	9.0	7.5	7.5	6.0	3.0	1.5	0.0	0.0
82.5°	33.1	15.0	10.5	9.0	9.0	7.5	6.0	4.5	3.0	0.0	0.0
85°	21.0	13.5	10.5	9.0	9.0	7.5	7.5	4.5	3.0	0.0	0.0
87.5°	16.5	13.5	10.5	10.5	9.0	9.0	6.0	4.5	1.5	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



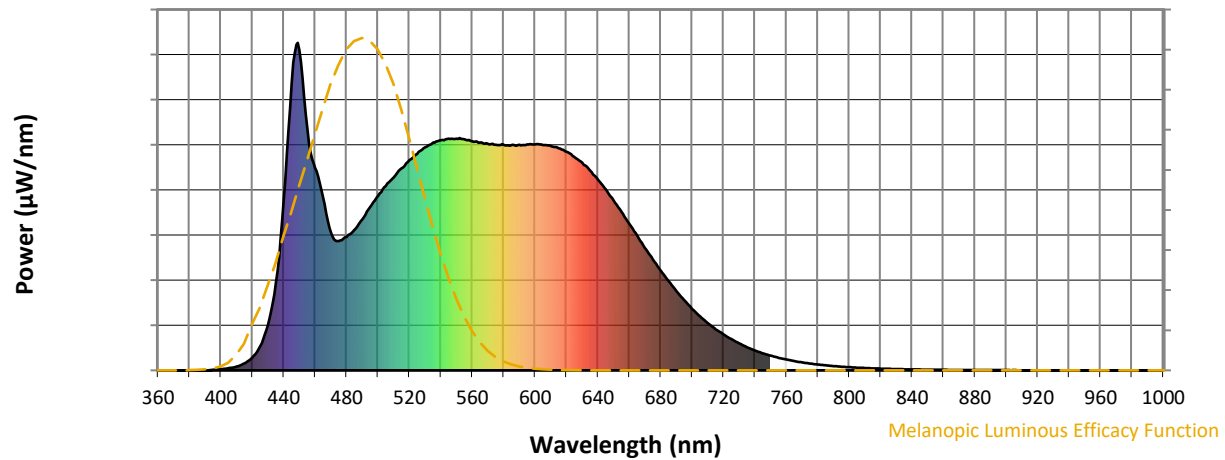
Scotopic Lumens: NR

S/P: 1.99

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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 $R_a = 90.8$
 $R_9 = 54.9$

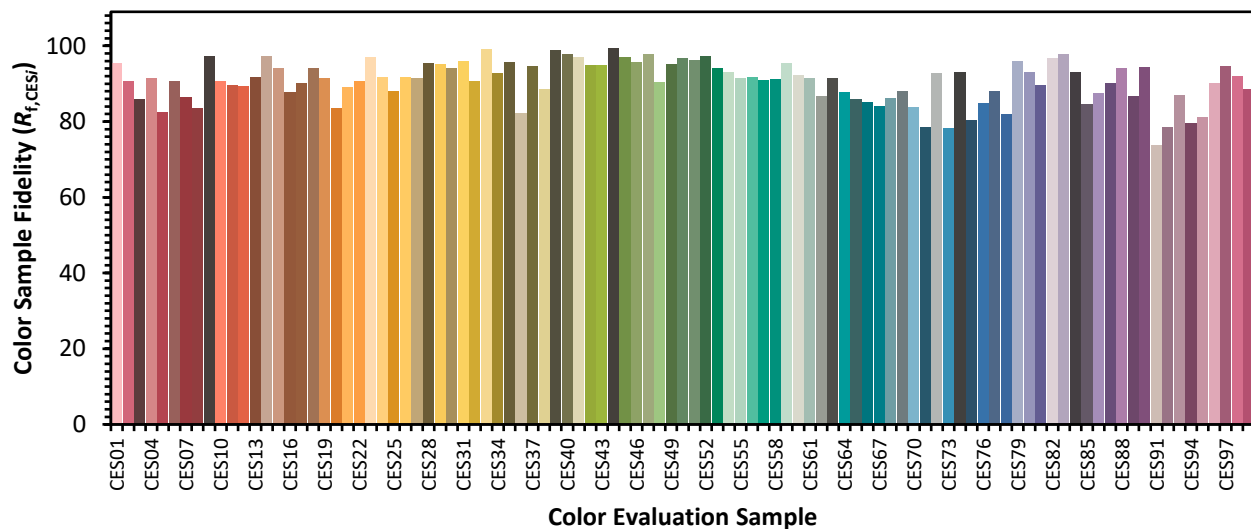


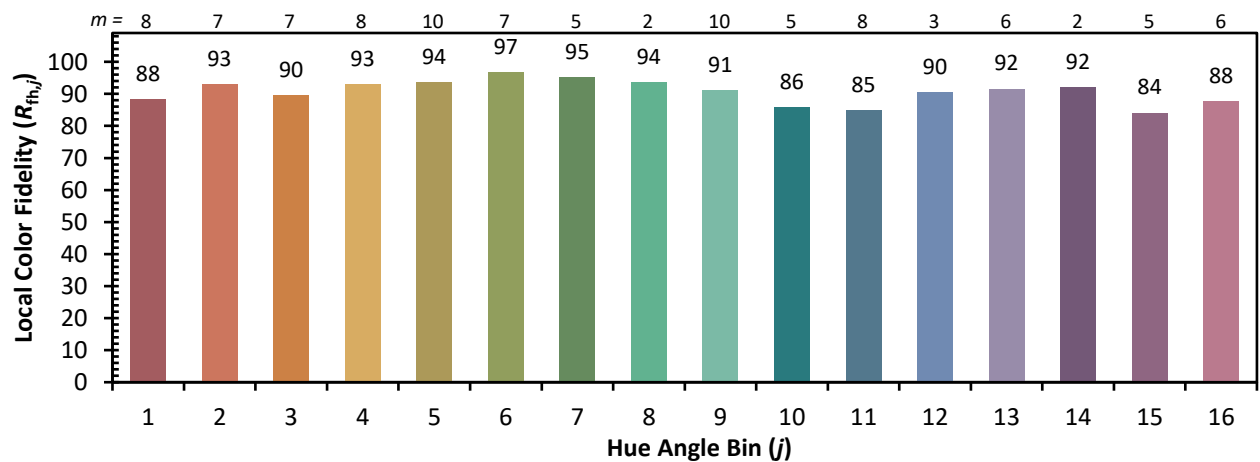
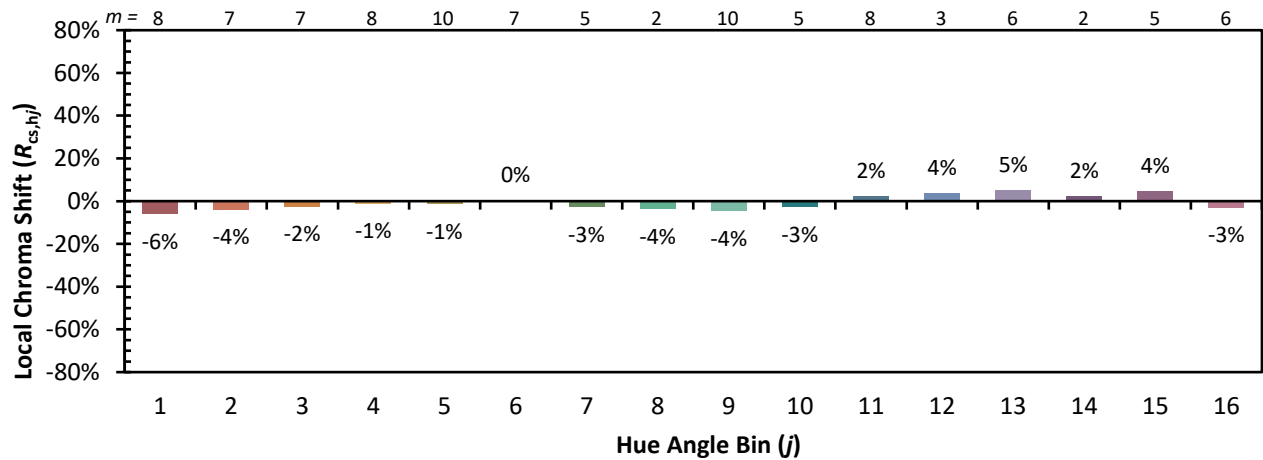
Color Vector Graphics

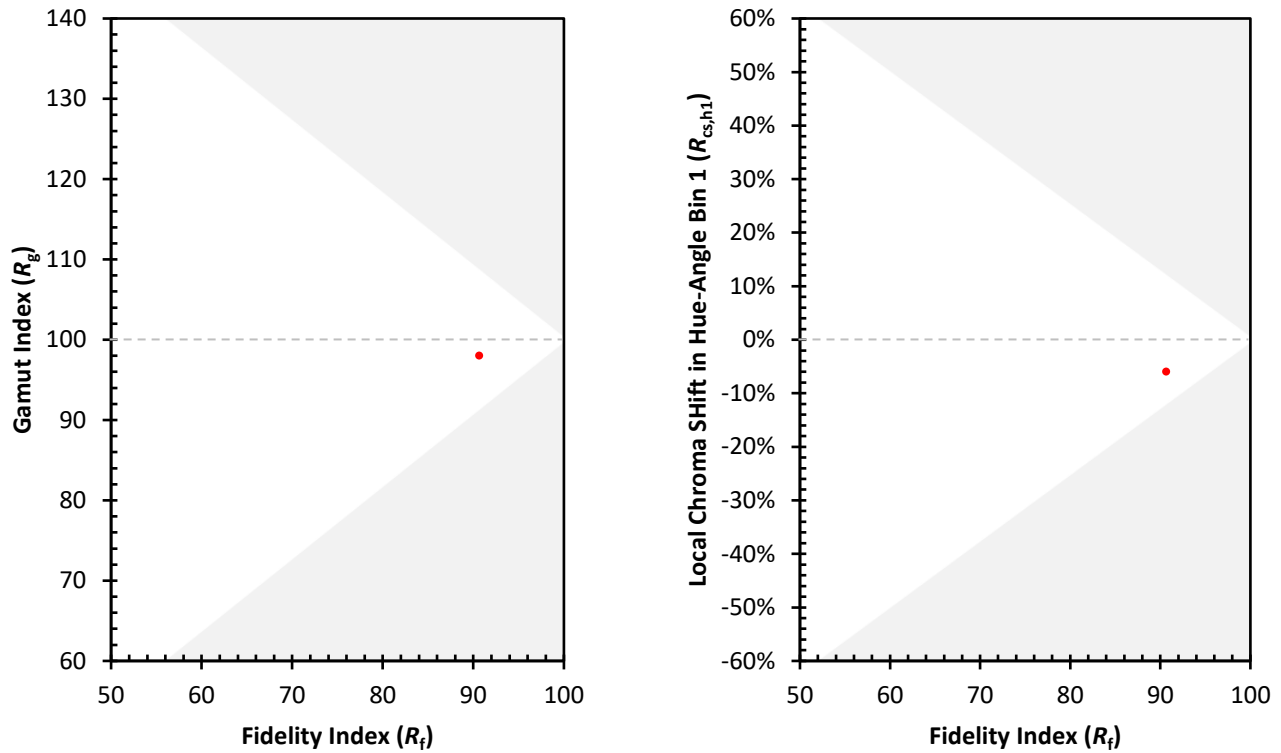


Individual Sample Fidelity Index ($R_{f,i}$)

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)