

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: P1048225

Luminaire Tested: **GALN-SA7A-950-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048225
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7A-950-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (98) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19645.9 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 193.1
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

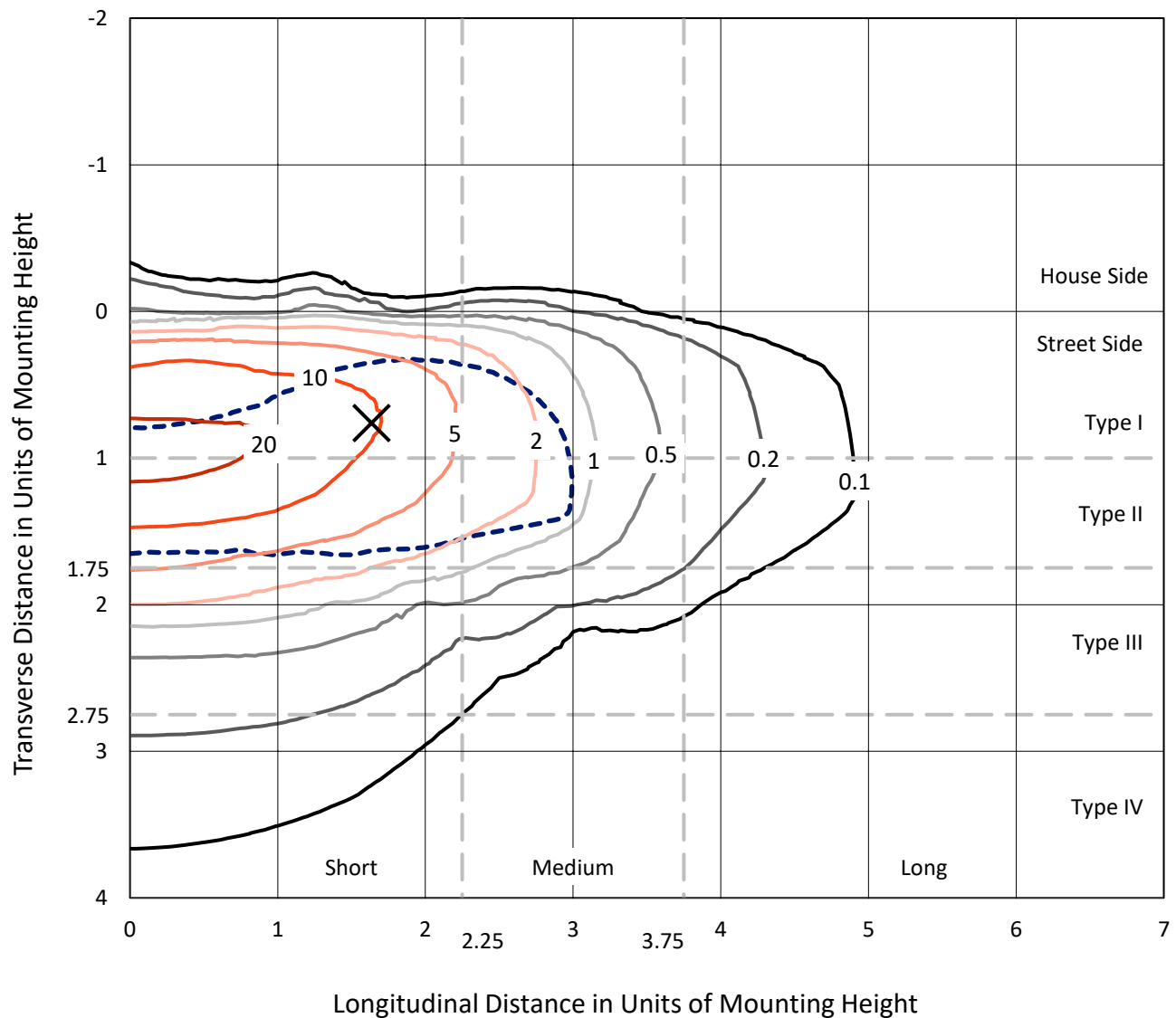


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

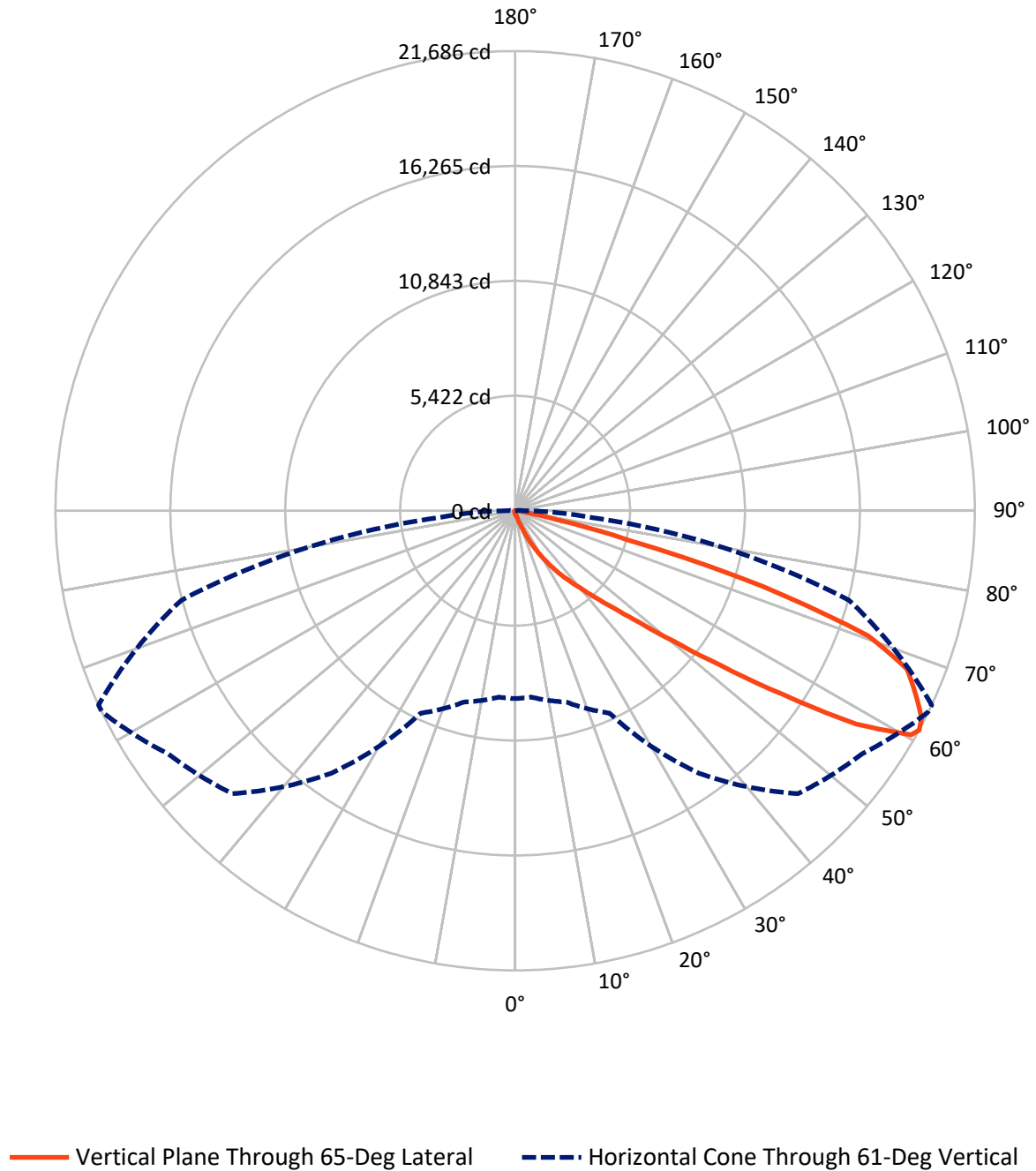


Based on 15 foot mounting height. Maximum calculated value = 26 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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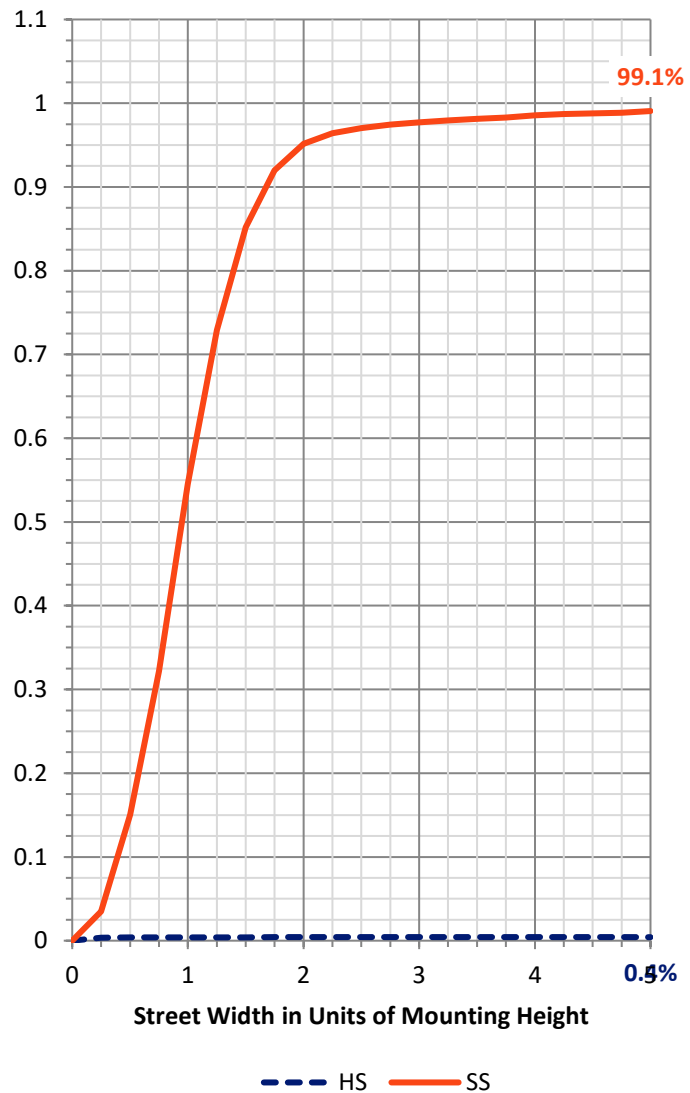
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	83.9	0.0	83.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	19562.0	0.0	19562.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	19645.9	0.0	19645.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	0.1
10°-20°	161.5	0.8
20°-30°	579.8	3.0
30°-40°	1543.6	7.9
40°-50°	4055.0	20.6
50°-60°	6282.0	32.0
60°-70°	5267.3	26.8
70°-80°	1550.1	7.9
80°-90°	191.2	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°	19645.9	100.0
0°-180°	19645.9	100.0



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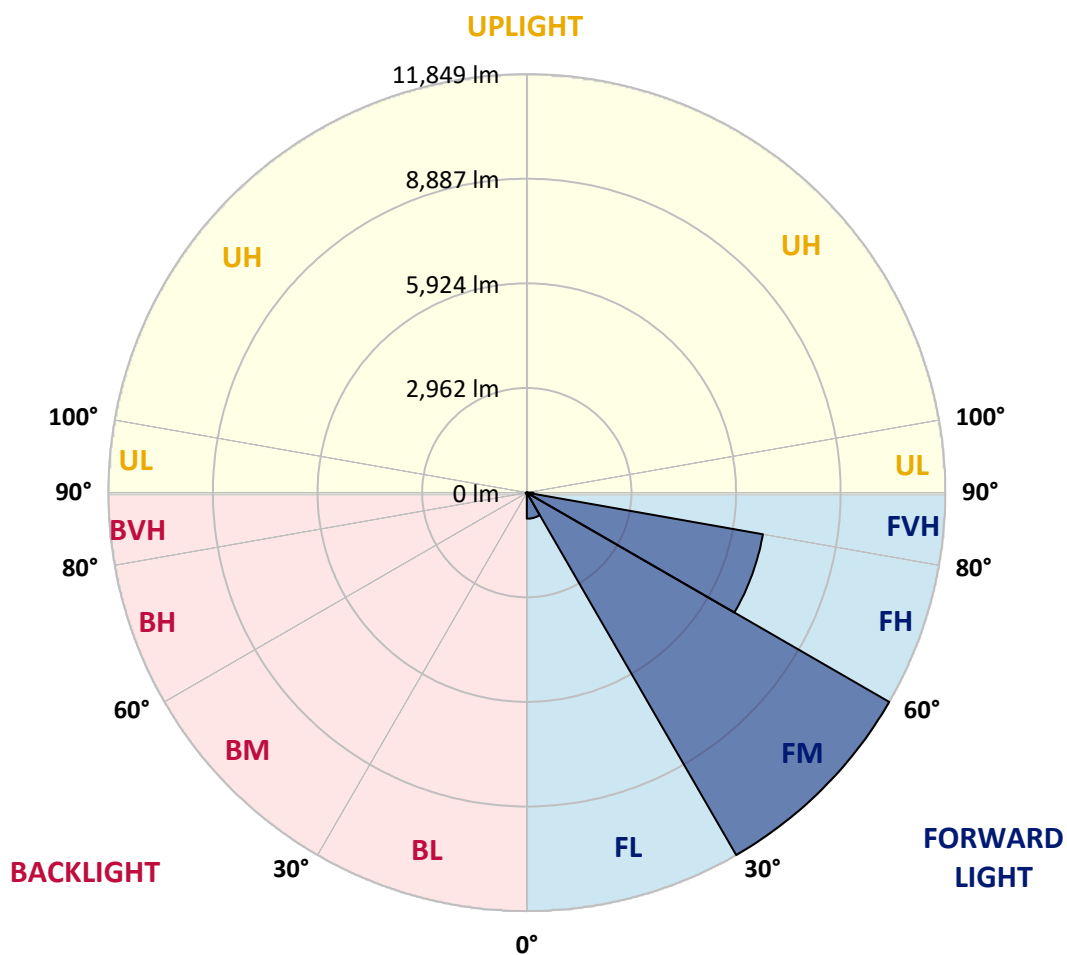
CATALOG NUMBER: GALN-SA7A-950-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	737.8	3.8			
FM	(30°-60°)	11848.7	60.3			
FH	(60°-80°)	6787.9	34.6			G3/7500
FVH	(80°-90°)	187.7	1.0			G2/225
BL	(0°-30°)	18.8	0.1	B0/110		
BM	(30°-60°)	31.9	0.2	B0/220		
BH	(60°-80°)	29.6	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-G3

Type II Short



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CATALOG NUMBER: GALN-SA7A-950-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3
2.5°	146.0	147.3	144.6	139.2	135.1	135.1	133.8	129.7	129.7	125.7	123.0
5°	204.1	201.4	196.0	185.1	175.7	166.2	156.8	147.3	146.0	133.8	125.7
7.5°	333.8	336.5	318.9	285.2	256.8	220.3	186.5	166.2	163.5	143.3	127.0
10°	732.5	712.2	671.7	540.6	444.6	335.2	248.7	193.3	190.6	154.1	129.7
12.5°	1335.2	1319.0	1244.7	1109.5	862.2	600.0	363.5	239.2	231.1	163.5	131.1
15°	1924.4	1898.8	1858.2	1721.7	1432.5	1075.7	594.6	327.0	305.4	177.0	129.7
17.5°	2300.1	2304.2	2267.7	2209.6	2023.1	1592.0	1027.1	487.9	446.0	201.4	127.0
20°	2628.5	2619.1	2639.3	2608.2	2477.2	2163.6	1494.7	773.0	701.4	240.6	128.4
22.5°	3006.9	3029.9	3044.8	3038.0	2893.4	2625.8	2025.8	1156.8	1066.3	312.2	132.4
25°	3513.7	3511.0	3512.4	3494.8	3354.2	3056.9	2558.2	1633.9	1542.0	428.4	141.9
27.5°	4044.8	4061.0	4067.8	4004.3	3820.5	3528.6	3051.5	2155.5	2047.4	614.9	154.1
30°	4770.5	4757.0	4725.9	4596.2	4373.2	4011.0	3538.0	2702.8	2589.3	875.7	173.0
32.5°	5749.0	5734.1	5577.3	5290.8	4957.0	4513.8	4027.2	3251.5	3113.7	1201.4	198.7
35°	7361.2	7384.2	6999.0	6257.1	5658.4	5117.8	4569.2	3797.5	3675.9	1602.8	233.8
37.5°	9830.3	9704.6	9181.6	7870.7	6581.4	5871.9	5086.8	4348.9	4243.5	2097.4	279.7
40°	12229.0	12104.7	11953.3	10711.4	8185.6	6703.1	5811.1	4996.2	4859.7	2655.5	347.3
42.5°	14750.8	14681.9	14675.1	13738.6	11112.8	8009.9	6682.8	5754.4	5638.1	3267.7	458.1
45°	16537.4	16468.5	16613.1	16776.6	15099.5	10810.0	8200.4	6739.6	6570.6	4011.0	635.2
47.5°	16777.9	16780.6	17167.1	17679.3	18061.8	15141.4	10222.2	8045.0	7839.6	5074.6	932.5
50°	15977.9	16009.0	16623.9	17540.1	18569.9	18775.3	13787.2	9939.7	9635.7	6335.5	1354.1
52.5°	14454.8	14490.0	15346.8	16853.6	18102.3	19648.4	17984.8	12418.2	12068.2	7908.5	1948.8
55°	13083.1	13104.8	14087.2	15991.4	17538.8	19174.0	20476.8	15727.9	15268.4	9843.8	2535.3
57.5°	11725.0	11675.0	12314.2	14494.0	17442.8	18591.5	20844.4	19499.7	18992.9	11958.8	2992.1
60°	9908.6	9824.9	10338.4	11725.0	16180.6	18974.0	20156.5	21586.3	21471.4	14903.5	3344.8
61°	8864.0	8828.9	9345.1	10534.4	15118.4	18876.7	19991.6	21674.1	21686.3	16296.8	3502.9
62.5°	6330.1	6430.1	7219.3	8765.3	12662.8	18245.6	20013.2	21402.5	21522.8	18148.3	3912.4
65°	2813.7	2974.5	3588.0	4846.2	7363.9	15177.8	19821.3	20806.5	20747.1	18656.4	5323.3
67.5°	1669.0	1693.3	1998.8	2746.1	3900.2	8164.0	17491.5	20018.6	19938.9	16241.4	6623.3
70°	1314.9	1327.1	1424.4	1723.1	2263.6	3127.2	9983.0	17319.9	17667.2	13169.6	6484.1
72.5°	1247.4	1244.7	1258.2	1310.9	1425.8	1551.4	3865.1	11512.8	12219.6	9484.3	5436.8
75°	1231.1	1225.7	1212.2	1192.0	1032.5	913.6	1197.4	5092.2	5501.6	6480.1	4093.5
77.5°	1194.7	1196.0	1198.7	1143.3	885.2	646.0	579.8	1633.9	2009.6	4112.4	2909.6
80°	808.2	820.3	840.6	819.0	796.0	467.6	409.5	581.1	589.2	2308.2	1921.7
82.5°	409.5	409.5	400.0	356.8	308.1	304.1	325.7	421.6	427.0	1167.6	904.1
85°	247.3	260.8	266.2	241.9	221.6	204.1	248.7	335.2	347.3	452.7	210.8
87.5°	55.4	56.8	62.2	82.4	120.3	163.5	231.1	306.8	312.2	290.6	25.7
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-SA7A-950-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3
2.5°	121.6	118.9	117.6	113.5	109.5	105.4	102.7	101.4	102.7	104.1	104.1
5°	120.3	116.2	109.5	102.7	97.3	91.9	86.5	85.1	85.1	86.5	86.5
7.5°	120.3	113.5	104.1	96.0	87.8	79.7	75.7	73.0	74.3	74.3	74.3
10°	120.3	112.2	100.0	87.8	78.4	68.9	62.2	59.5	59.5	59.5	59.5
12.5°	118.9	110.8	96.0	81.1	67.6	56.8	48.7	44.6	45.9	45.9	45.9
15°	116.2	106.8	90.5	68.9	54.1	43.2	35.1	31.1	32.4	35.1	36.5
17.5°	112.2	102.7	81.1	58.1	43.2	32.4	24.3	21.6	23.0	27.0	27.0
20°	110.8	98.7	71.6	47.3	32.4	23.0	16.2	13.5	14.9	20.3	21.6
22.5°	110.8	96.0	64.9	39.2	24.3	14.9	9.5	5.4	5.4	9.5	9.5
25°	112.2	94.6	59.5	32.4	17.6	10.8	5.4	2.7	5.4	14.9	17.6
27.5°	114.9	93.2	56.8	27.0	13.5	9.5	4.1	9.5	16.2	16.2	16.2
30°	117.6	90.5	52.7	23.0	12.2	6.8	6.8	13.5	13.5	16.2	17.6
32.5°	121.6	89.2	50.0	20.3	9.5	5.4	9.5	8.1	8.1	9.5	10.8
35°	129.7	90.5	47.3	20.3	9.5	6.8	8.1	4.1	2.7	2.7	2.7
37.5°	140.5	91.9	43.2	17.6	8.1	8.1	4.1	0.0	0.0	0.0	0.0
40°	158.1	96.0	40.5	16.2	6.8	6.8	1.4	0.0	0.0	0.0	0.0
42.5°	187.8	104.1	39.2	14.9	6.8	5.4	0.0	0.0	0.0	0.0	0.0
45°	247.3	123.0	36.5	13.5	6.8	2.7	0.0	0.0	0.0	0.0	0.0
47.5°	355.4	167.6	35.1	10.8	4.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	518.9	227.0	33.8	9.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	662.2	239.2	23.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	678.4	164.9	17.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	540.6	106.8	14.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	409.5	81.1	13.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	393.3	73.0	13.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	433.8	63.5	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	705.4	52.7	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1225.7	45.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1548.7	43.2	8.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1350.1	39.2	8.1	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	812.2	33.8	8.1	5.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	425.7	25.7	8.1	6.8	4.1	1.4	0.0	0.0	0.0	0.0	0.0
80°	206.8	23.0	9.5	6.8	5.4	2.7	0.0	0.0	0.0	0.0	0.0
82.5°	81.1	18.9	10.8	9.5	6.8	4.1	1.4	0.0	0.0	0.0	0.0
85°	36.5	16.2	12.2	10.8	9.5	5.4	1.4	0.0	0.0	0.0	0.0
87.5°	18.9	14.9	13.5	12.2	9.5	6.8	2.7	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

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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



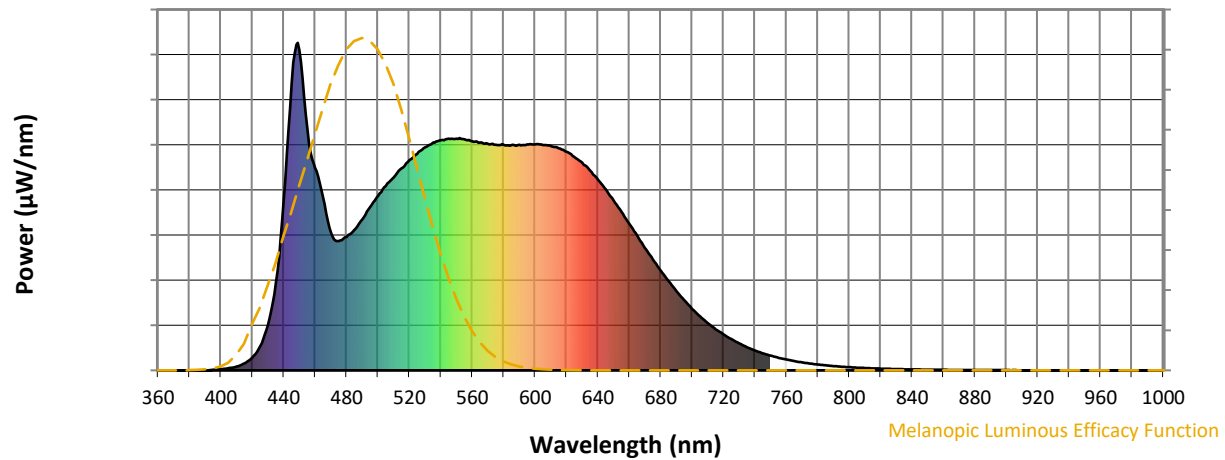
Scotopic Lumens: NR

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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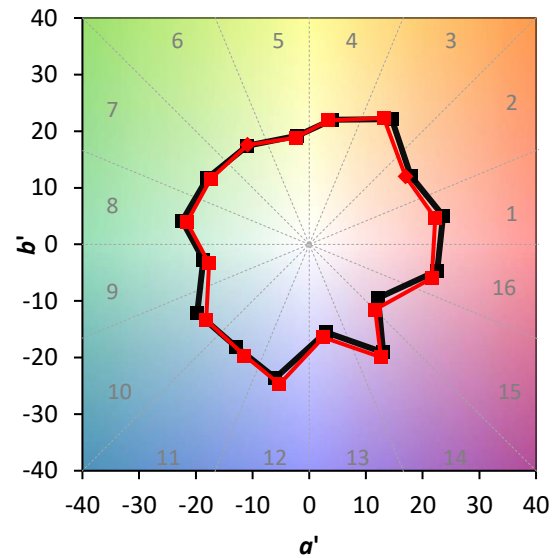
TM-30-18

Summary

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

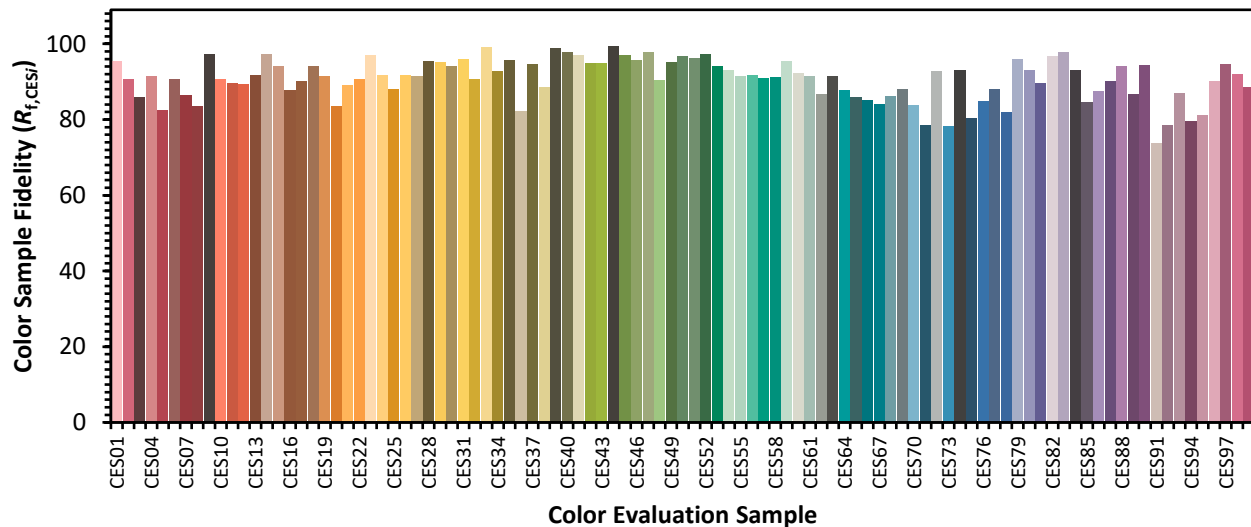


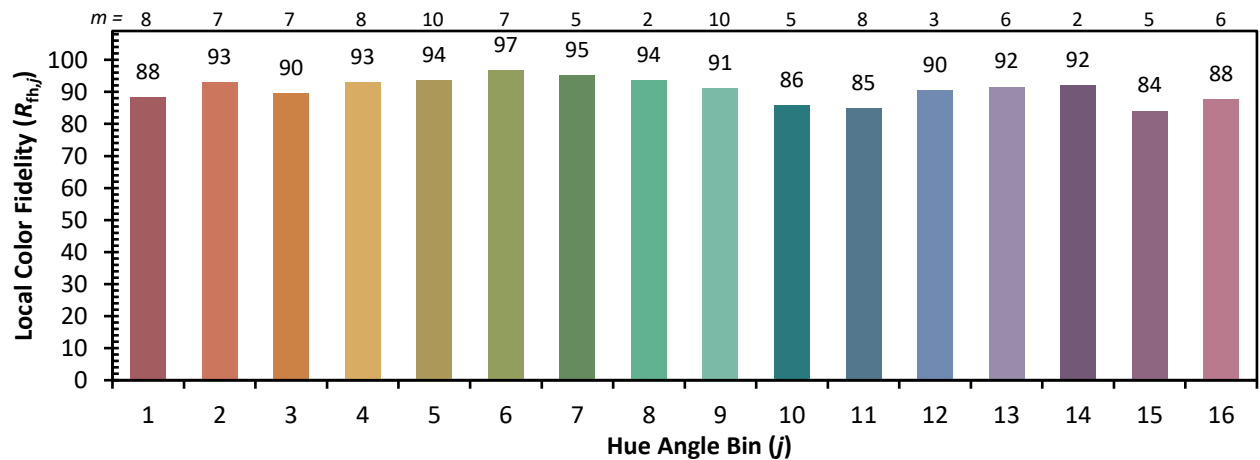
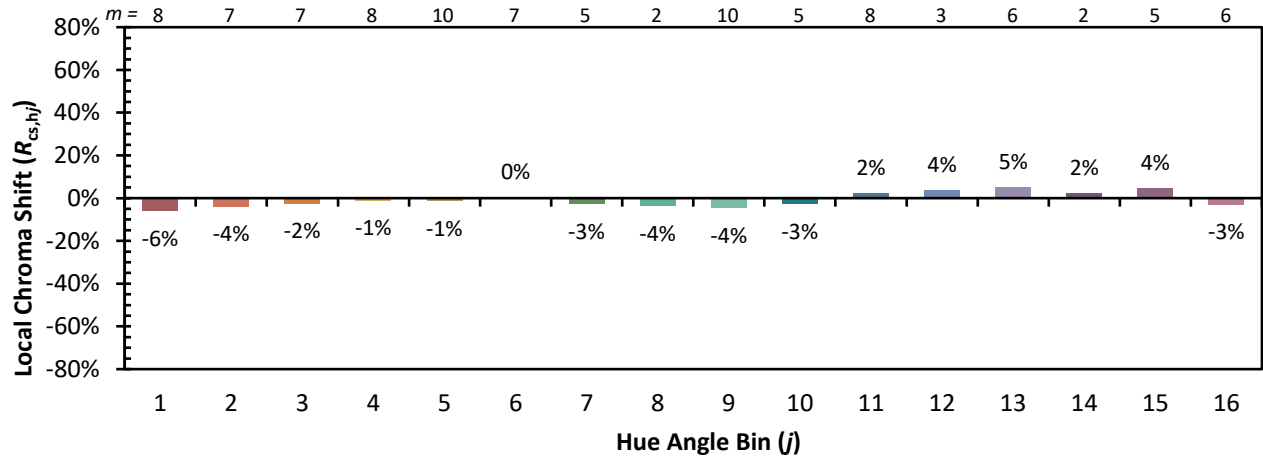
Color Vector Graphics



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)