

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: P1048821

Luminaire Tested: **GALN-SA3A-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048821
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8798.4 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 81.4
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

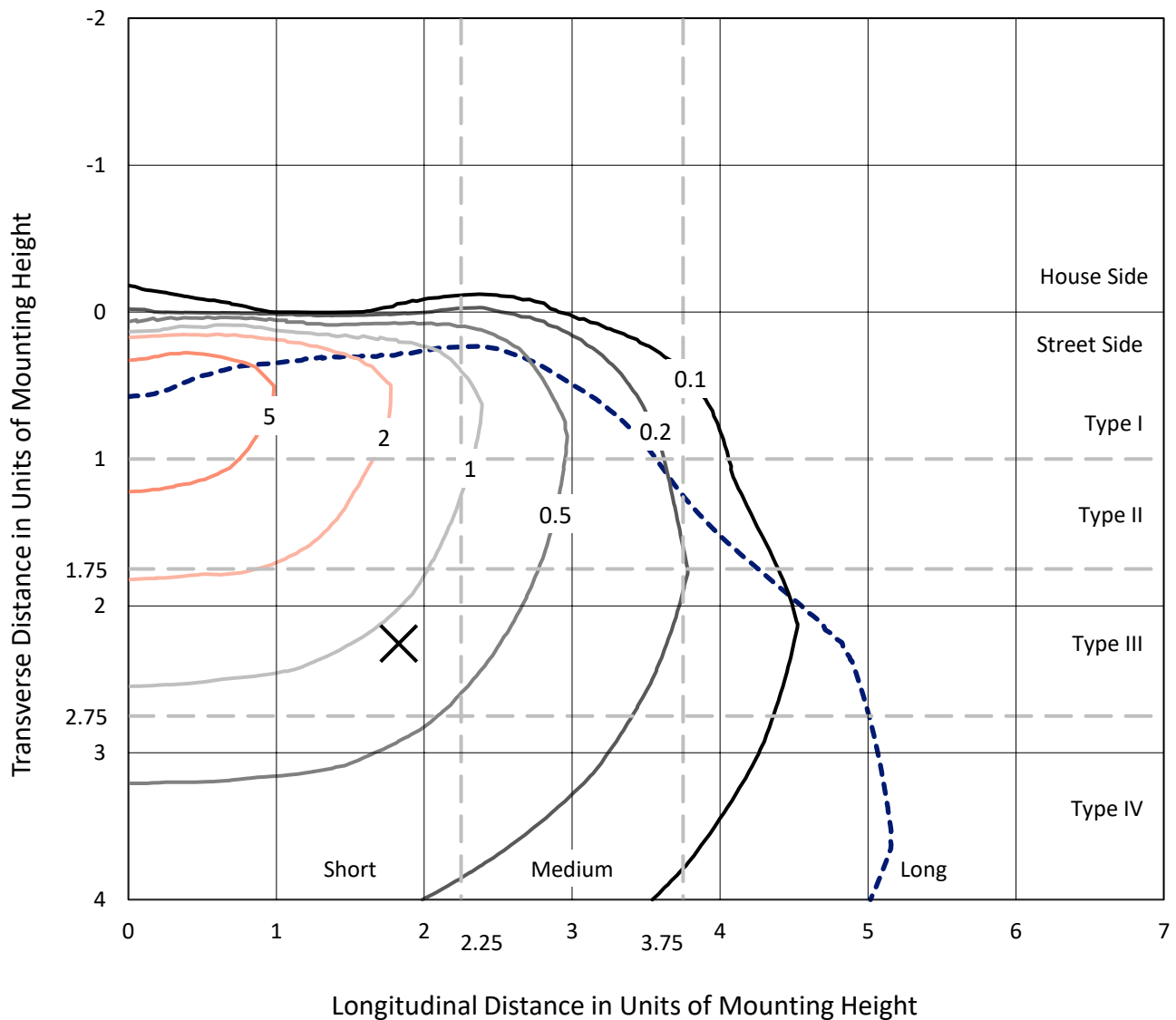


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CATALOG NUMBER: GALN-SA3A-950-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

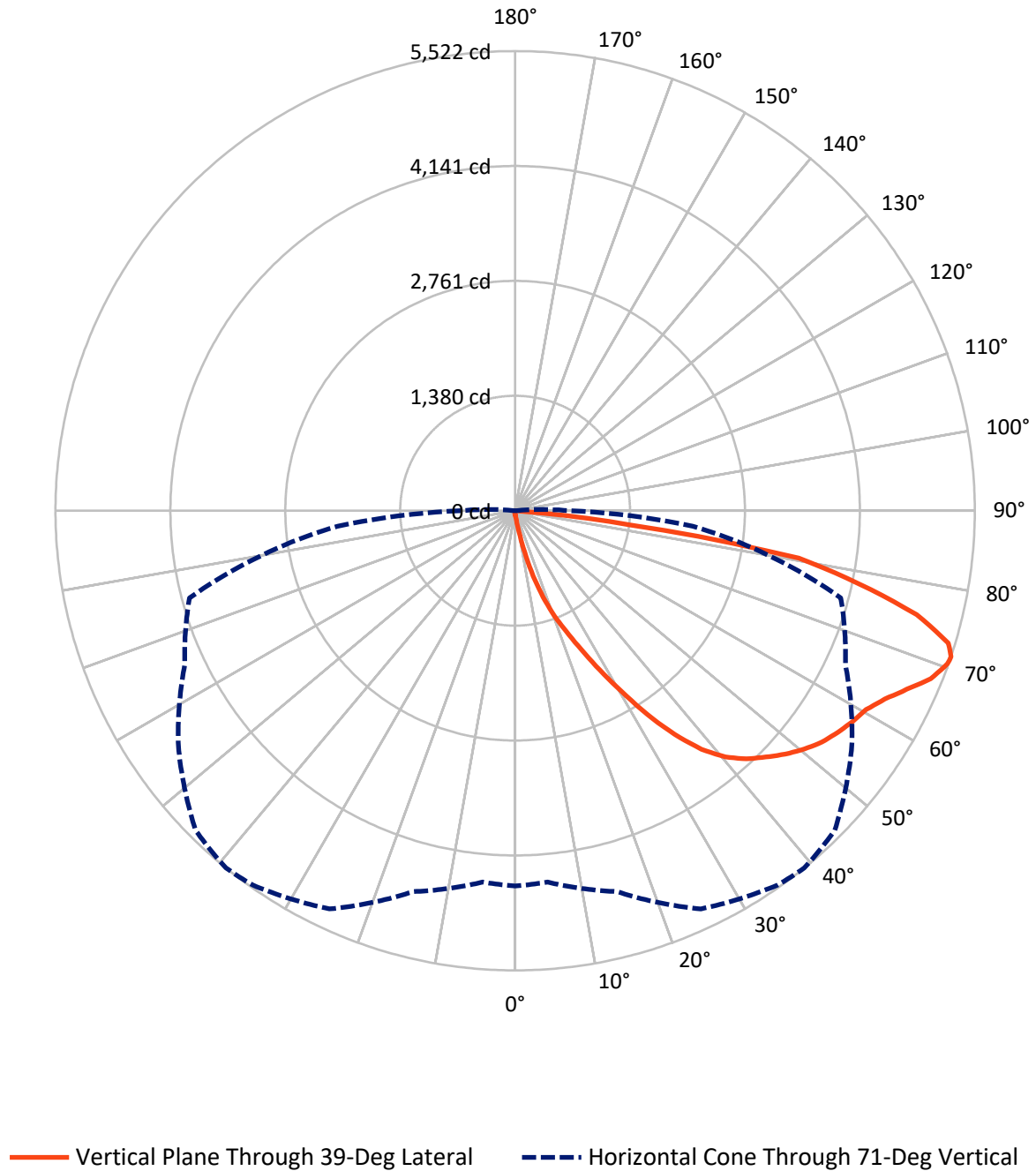


Based on 15 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Short - N/A

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CATALOG NUMBER: GALN-SA3A-950-U-T4BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31.3	0.0	31.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	8767.1	0.0	8767.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	8798.4	0.0	8798.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	94.0	1.1
20°-30°	334.9	3.8
30°-40°	807.1	9.2
40°-50°	1350.8	15.4
50°-60°	1734.9	19.7
60°-70°	2195.5	25.0
70°-80°	1957.4	22.2
80°-90°	316.4	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°	8798.4	100.0
0°-180°	8798.4	100.0



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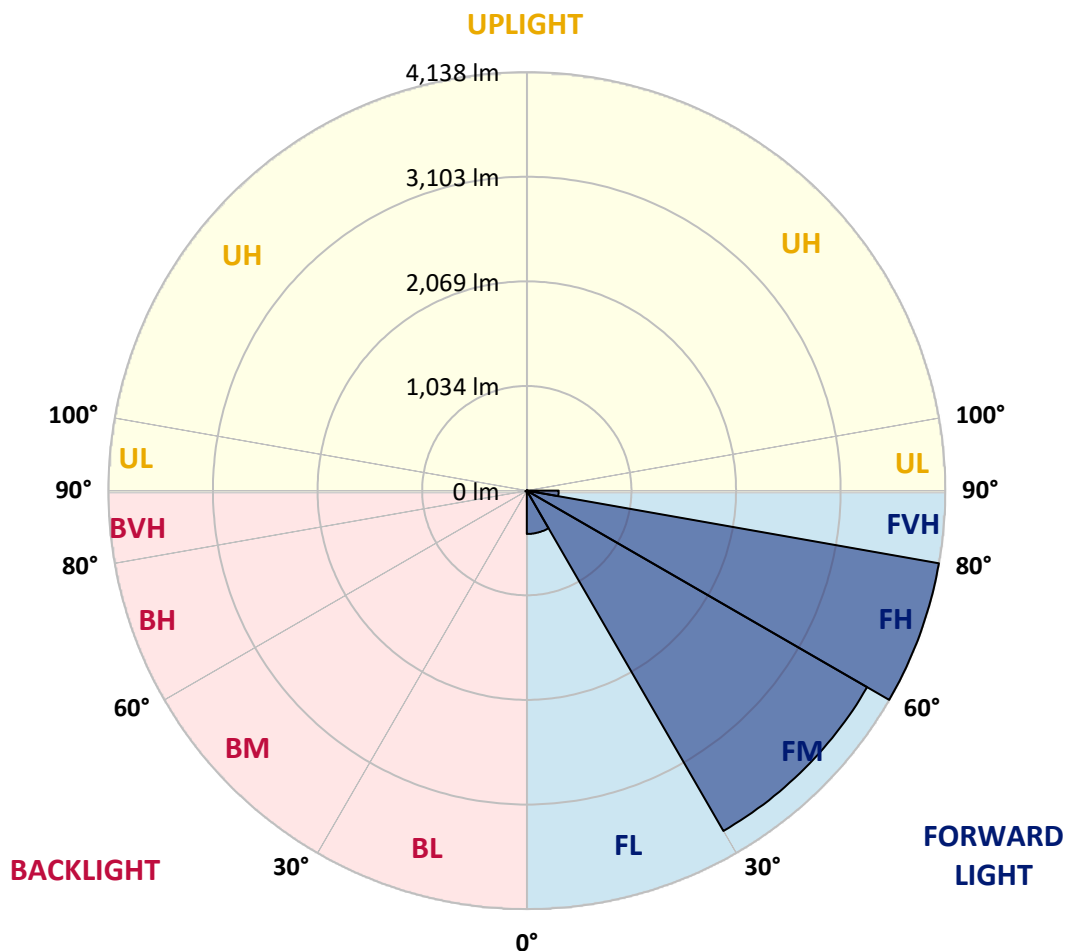
CATALOG NUMBER: GALN-SA3A-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	428.7	4.9			
FM	(30°-60°)	3885.5	44.2			
FH	(60°-80°)	4137.9	47.0			G2/5000
FVH	(80°-90°)	315.0	3.6			G3/500
BL	(0°-30°)	7.6	0.1	B0/110		
BM	(30°-60°)	7.2	0.1	B0/220		
BH	(60°-80°)	15.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.4	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	55.4	55.4	55.4	53.6	53.6	53.0	52.4	52.4	51.2	50.6	49.4
5°	84.0	82.2	78.0	75.6	70.9	67.9	64.9	60.8	56.6	53.6	50.0
7.5°	190.0	194.2	180.5	154.9	128.7	117.3	98.3	79.2	65.5	56.6	50.6
10°	484.2	481.8	435.4	384.2	296.6	261.5	204.9	129.2	84.6	61.9	51.2
12.5°	823.7	821.3	766.5	696.9	581.3	508.1	400.8	241.2	121.5	70.3	51.2
15°	1109.0	1099.5	1082.2	1013.1	877.9	816.6	674.8	426.5	196.5	84.6	52.4
17.5°	1297.8	1289.5	1273.4	1248.4	1162.6	1090.0	976.2	670.1	318.1	109.6	54.8
20°	1471.1	1465.2	1452.1	1447.3	1391.9	1353.2	1259.1	950.0	495.5	148.9	58.4
22.5°	1709.4	1696.9	1702.2	1673.6	1619.4	1573.0	1515.2	1243.0	712.3	214.4	64.9
25°	2001.2	1995.3	1980.4	1960.1	1885.1	1844.6	1755.8	1519.4	954.8	300.2	72.1
27.5°	2353.8	2347.3	2343.7	2297.2	2210.9	2166.8	2042.9	1780.3	1227.5	420.5	81.6
30°	2760.0	2763.0	2739.8	2680.2	2579.6	2517.6	2390.2	2053.6	1506.9	561.7	91.7
32.5°	3180.5	3174.6	3138.8	3068.6	2978.6	2920.8	2758.8	2353.2	1799.9	748.1	103.6
35°	3633.8	3622.5	3528.4	3448.0	3371.1	3298.5	3150.7	2701.1	2093.0	957.1	119.7
37.5°	4091.2	4038.2	3849.4	3747.5	3694.5	3635.0	3497.4	3072.1	2384.2	1190.6	139.4
40°	4436.7	4395.6	4171.6	3984.0	3941.7	3891.1	3788.6	3392.6	2693.9	1441.4	163.2
42.5°	4627.8	4605.2	4403.9	4218.7	4119.2	4074.5	3987.0	3672.5	3000.1	1718.3	197.7
45°	4709.4	4674.3	4539.7	4453.3	4294.9	4221.0	4116.8	3883.9	3319.9	2032.8	246.0
47.5°	4684.4	4664.2	4567.7	4599.3	4484.3	4369.4	4216.3	4045.9	3593.3	2393.7	312.1
50°	4527.2	4509.9	4480.1	4651.1	4636.8	4501.0	4344.9	4174.0	3816.6	2766.0	414.5
52.5°	4228.2	4221.0	4297.3	4610.6	4723.1	4617.1	4468.8	4287.2	4025.1	3154.9	561.1
55°	3842.8	3872.0	4090.0	4547.4	4767.2	4702.9	4578.4	4393.2	4192.5	3502.7	777.3
57.5°	3684.4	3692.1	3964.3	4502.8	4786.9	4778.5	4685.0	4494.4	4346.1	3780.9	1107.2
60°	3869.6	3857.7	4001.3	4536.7	4826.2	4846.4	4779.7	4588.5	4479.5	4019.7	1546.8
62.5°	4204.4	4197.8	4243.7	4681.4	4941.1	4982.2	4911.4	4656.4	4597.5	4177.0	2048.3
65°	4503.4	4489.7	4574.8	4938.2	5143.0	5172.2	5110.3	4772.6	4649.3	4291.3	2519.4
67.5°	4632.6	4629.6	4766.6	5182.4	5355.1	5386.6	5332.4	4932.8	4637.4	4327.7	2727.3
70°	4573.6	4562.3	4781.5	5286.0	5474.8	5510.5	5458.1	4992.4	4508.1	4212.7	2419.3
71°	4508.7	4478.3	4736.8	5278.8	5491.5	5521.8	5430.1	4938.2	4378.3	4049.5	2140.0
72.5°	4307.4	4312.8	4614.1	5204.4	5451.6	5442.6	5271.7	4744.0	4221.6	3679.0	1718.9
75°	3811.9	3843.4	4216.9	4891.7	5095.4	4981.6	4720.2	4372.9	3907.2	2637.9	1193.6
77.5°	3115.0	3162.1	3572.4	4290.1	4232.4	4221.0	4210.3	3853.0	3336.6	1416.9	830.3
80°	1487.2	1589.1	2154.9	3062.6	3327.0	3455.1	3374.7	3104.9	2580.2	674.8	496.1
82.5°	97.1	95.9	135.8	257.3	1084.6	1402.1	2227.6	2219.2	1798.7	328.8	202.5
85°	45.9	47.1	51.8	59.0	68.5	75.0	103.6	607.5	860.6	156.6	44.1
87.5°	26.8	27.4	32.2	41.1	53.6	59.6	70.9	91.1	112.0	86.4	9.5
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: P1048821

CATALOG NUMBER: GALN-SA3A-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	48.8	48.2	46.5	44.7	42.9	41.7	41.1	41.7	41.7	42.3	42.3
5°	48.8	47.1	44.1	40.5	38.1	35.7	34.5	33.9	34.5	34.5	34.5
7.5°	48.2	45.3	41.1	36.9	33.9	31.0	29.8	29.2	29.2	29.8	29.8
10°	47.1	44.1	38.7	33.9	30.4	26.8	25.0	23.2	23.2	23.2	23.8
12.5°	46.5	42.3	35.7	31.0	26.2	22.0	18.5	16.7	17.3	17.3	17.3
15°	45.3	40.5	33.9	28.0	22.0	16.7	13.7	11.9	12.5	13.1	12.5
17.5°	45.3	39.9	31.6	24.4	17.3	12.5	10.1	8.9	8.9	9.5	9.5
20°	45.3	38.7	29.8	20.8	13.1	9.5	7.1	6.6	6.6	7.7	8.3
22.5°	46.5	38.7	27.4	17.3	10.7	7.1	5.4	4.8	5.4	6.6	7.1
25°	48.2	38.1	25.0	15.5	8.9	5.4	4.2	3.0	3.6	4.8	5.4
27.5°	50.0	37.5	22.6	13.7	7.1	4.2	3.0	2.4	1.8	2.4	2.4
30°	51.8	37.5	20.3	11.3	6.0	3.0	1.8	1.2	0.6	0.0	0.0
32.5°	53.0	36.3	18.5	8.9	4.8	2.4	1.2	0.6	0.0	0.0	0.0
35°	54.2	35.1	16.1	7.1	3.6	1.8	0.6	0.0	0.0	0.0	0.0
37.5°	55.4	33.4	13.7	6.0	3.0	1.2	0.0	0.0	0.0	0.0	0.0
40°	56.6	31.0	11.3	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	57.8	29.2	9.5	4.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	60.8	28.0	7.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	66.1	26.8	7.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	73.9	25.6	6.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	84.6	25.0	6.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	103.6	24.4	5.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	136.4	23.8	5.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	209.1	22.6	5.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	373.4	22.0	4.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	651.0	22.6	4.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	933.3	23.8	4.2	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	798.7	20.8	4.2	2.4	1.2	0.6	0.0	0.0	0.0	0.0	0.0
71°	651.0	18.5	4.2	2.4	1.2	0.6	0.6	0.0	0.0	0.0	0.0
72.5°	418.7	14.3	3.6	2.4	1.2	1.2	0.6	0.0	0.0	0.0	0.0
75°	176.9	11.9	3.6	2.4	1.8	1.2	1.2	0.6	0.0	0.0	0.0
77.5°	75.6	8.9	3.6	3.0	2.4	1.8	1.8	1.2	0.6	0.0	0.0
80°	28.6	7.1	4.2	3.6	3.0	3.0	2.4	1.2	0.6	0.0	0.0
82.5°	13.1	6.0	4.2	3.6	3.6	3.0	2.4	1.8	1.2	0.0	0.0
85°	8.3	5.4	4.2	3.6	3.6	3.0	3.0	1.8	1.2	0.0	0.0
87.5°	6.6	5.4	4.2	4.2	3.6	3.6	2.4	1.8	0.6	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

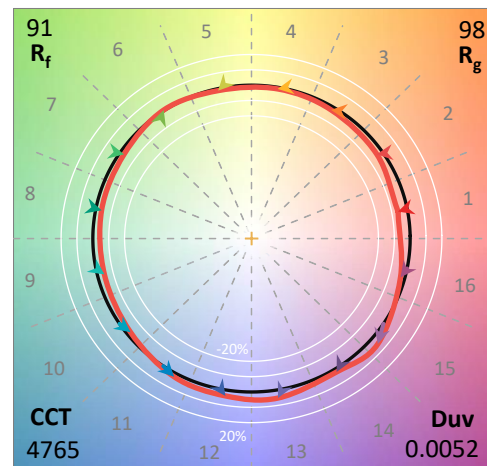
Test Information

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

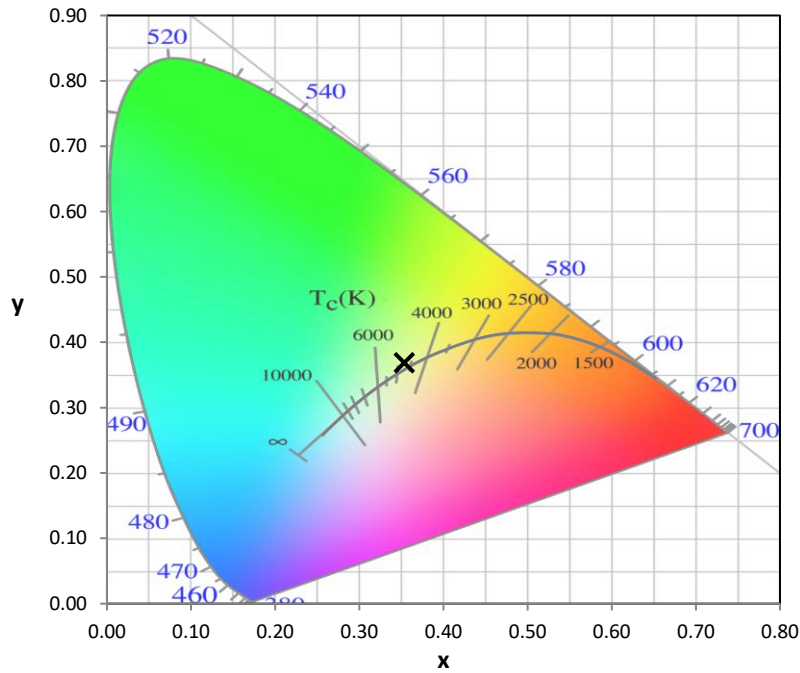
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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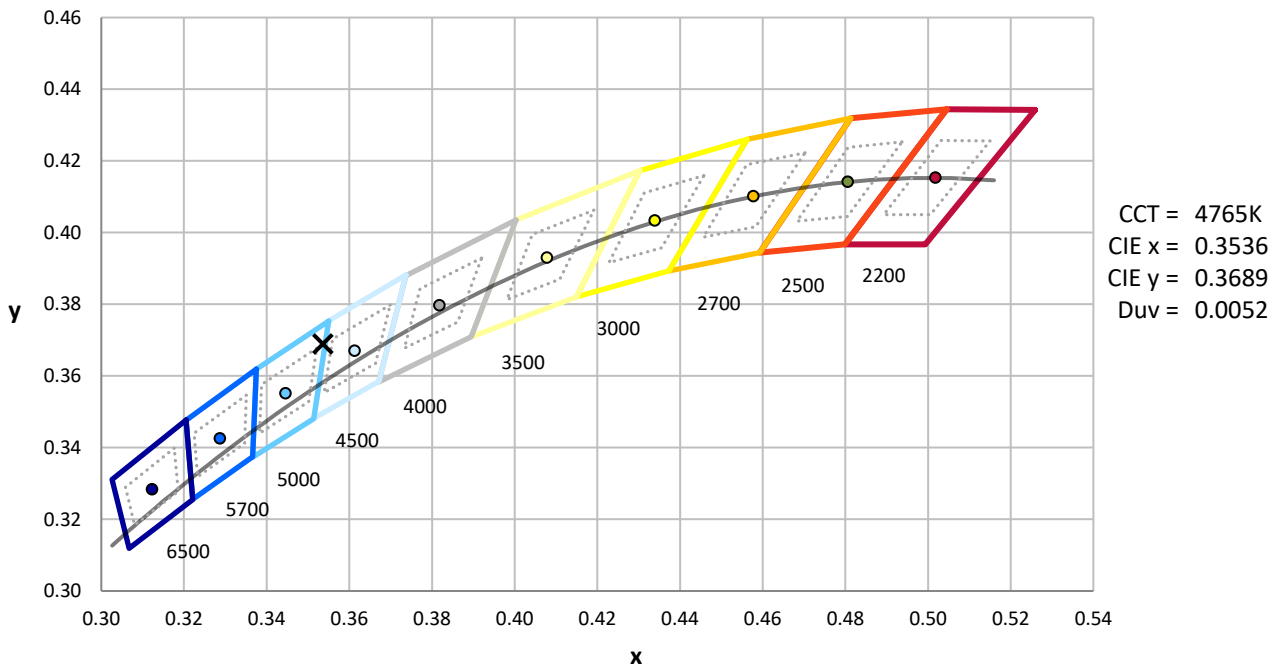
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



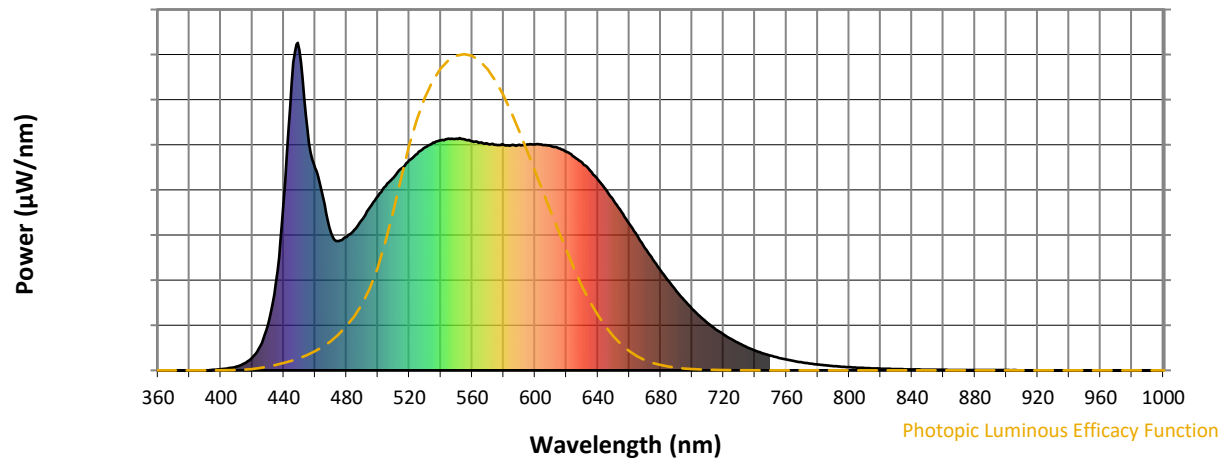
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

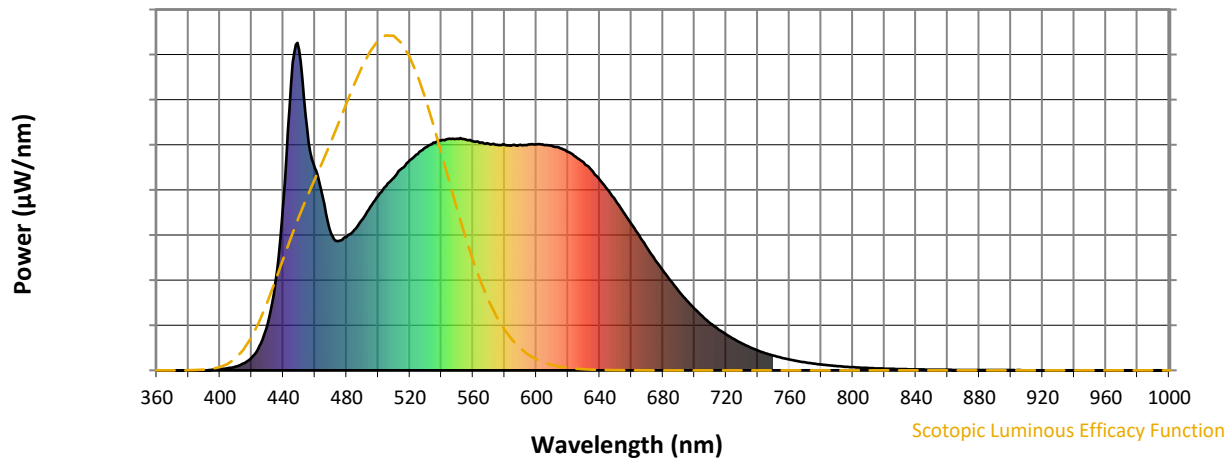


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-17

Scotopic Flux vs. Wavelength



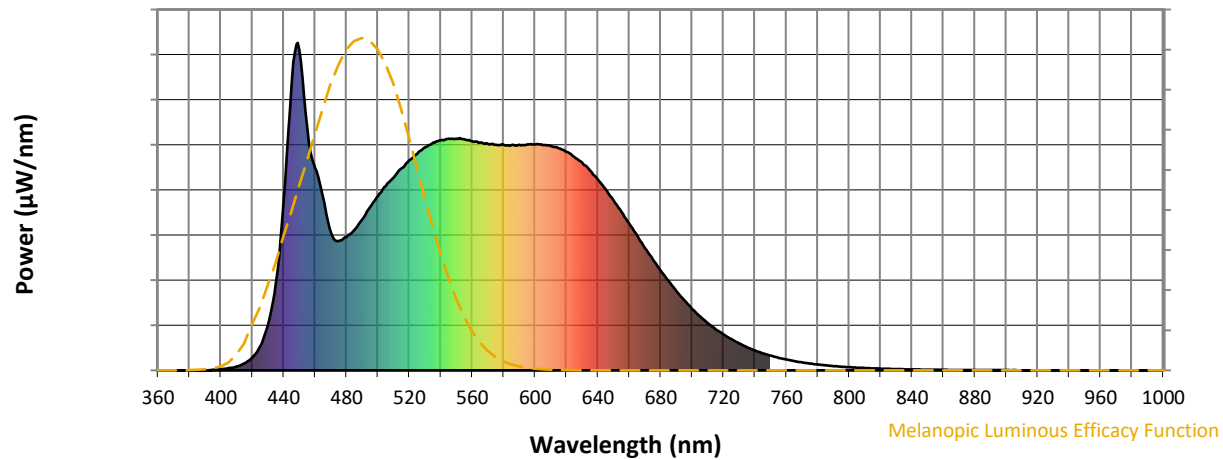
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

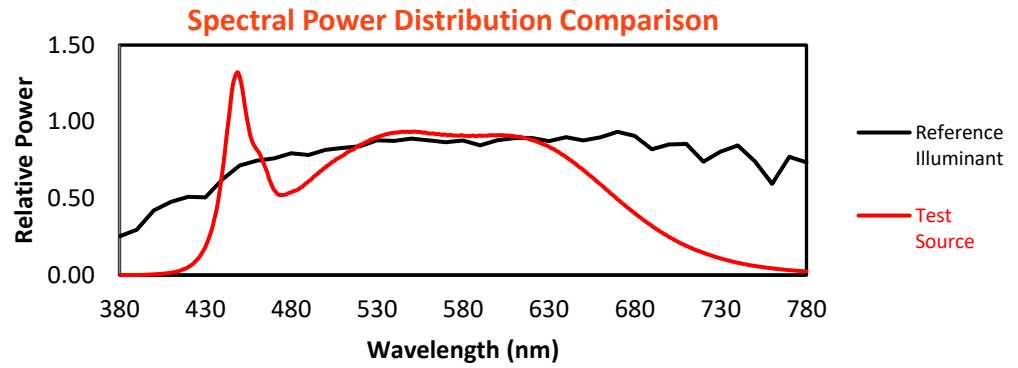
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462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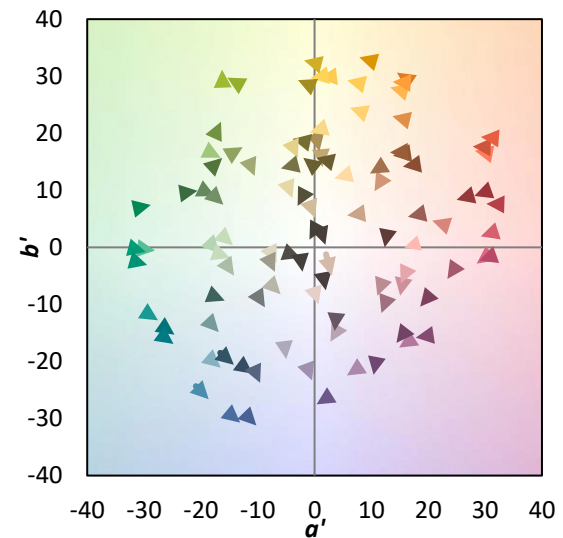
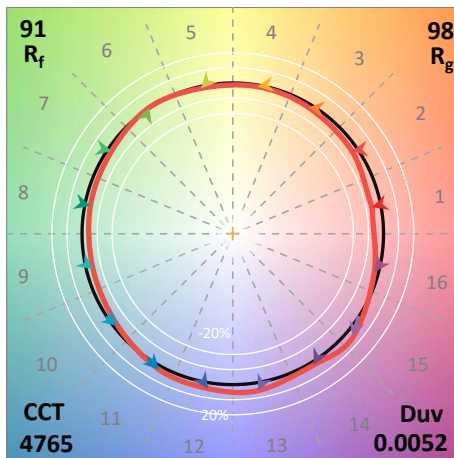
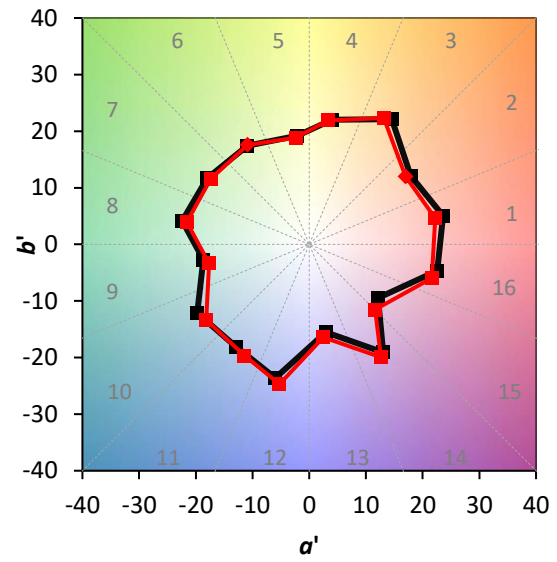
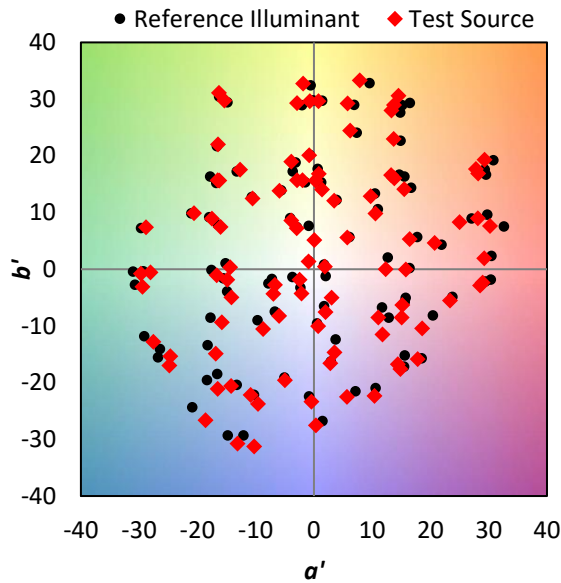
TM-30-18

Summary

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

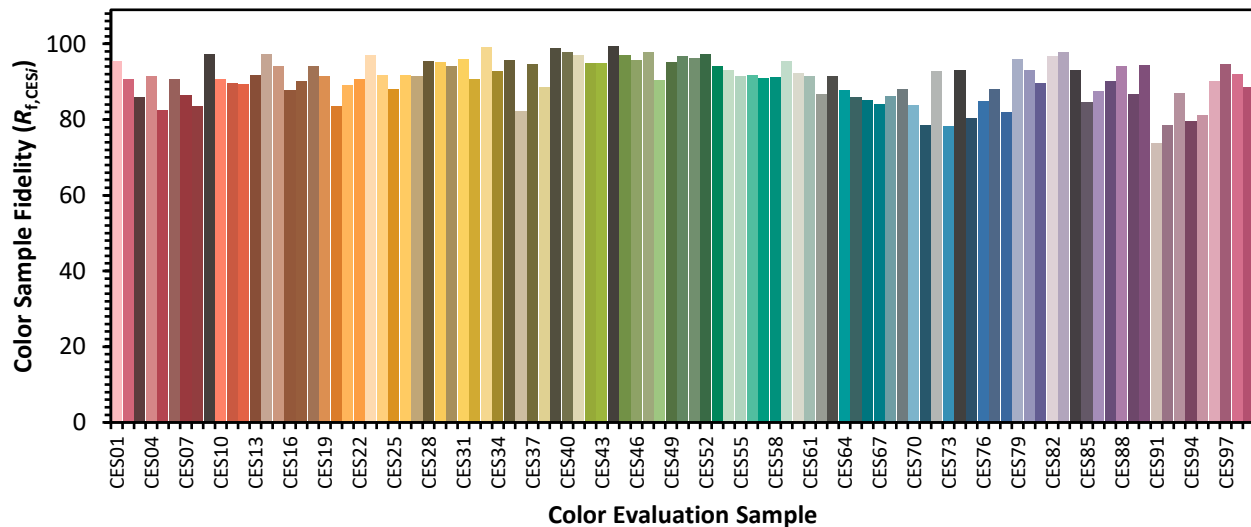


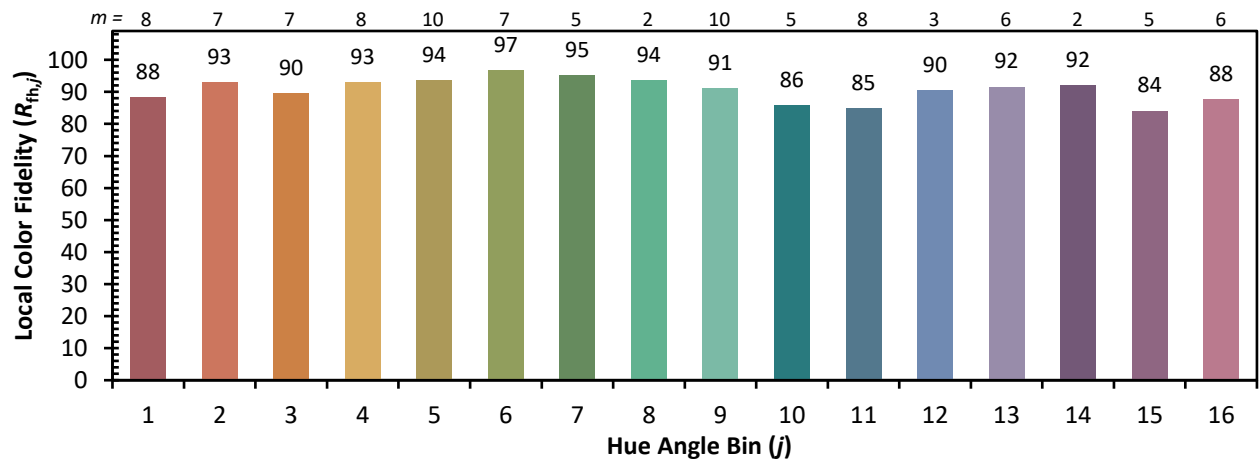
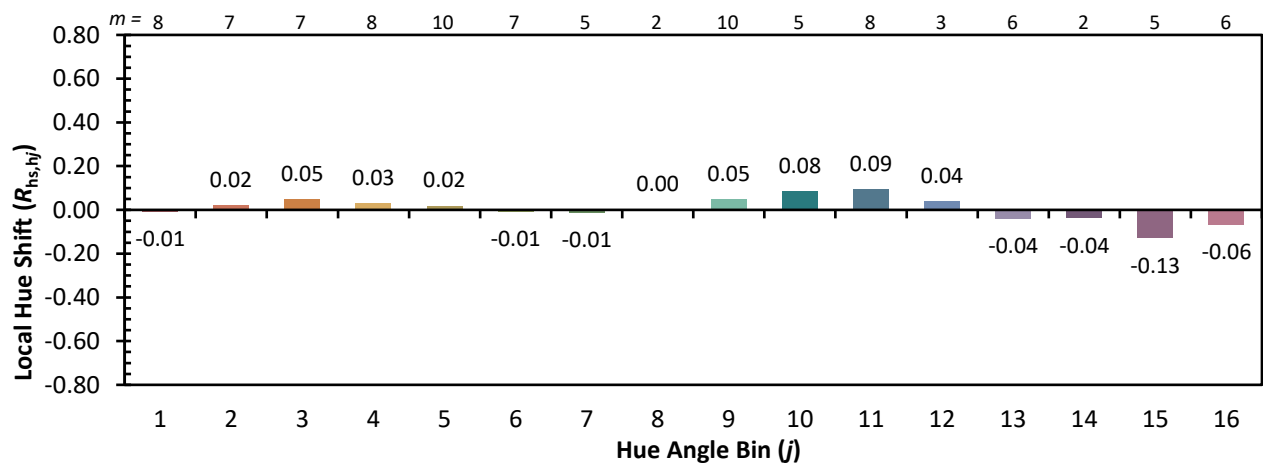
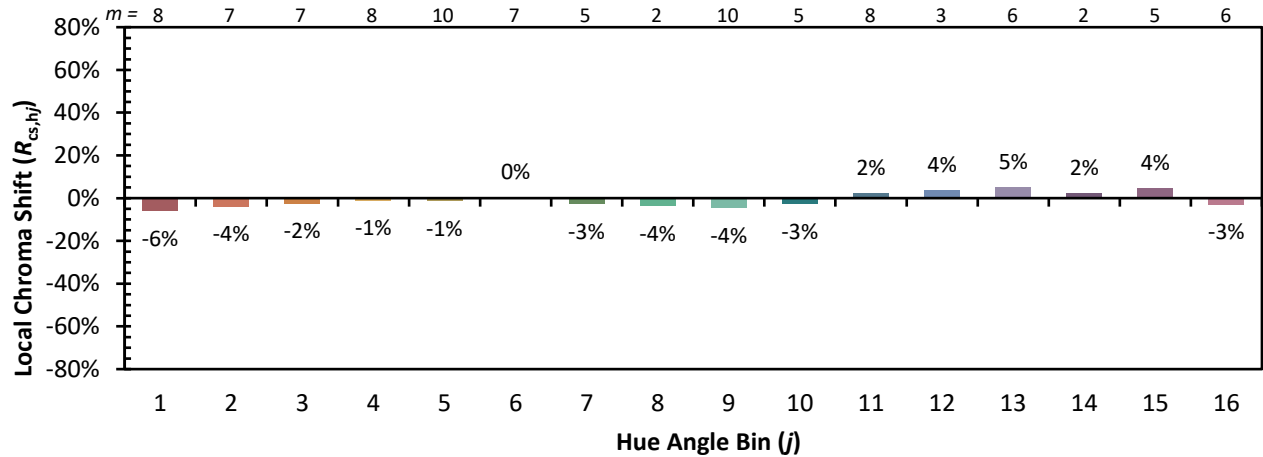
Color Vector Graphics



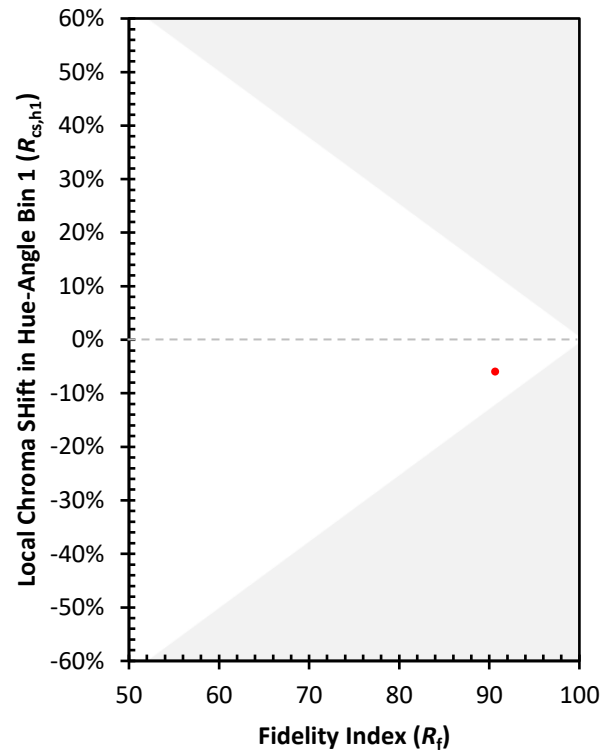
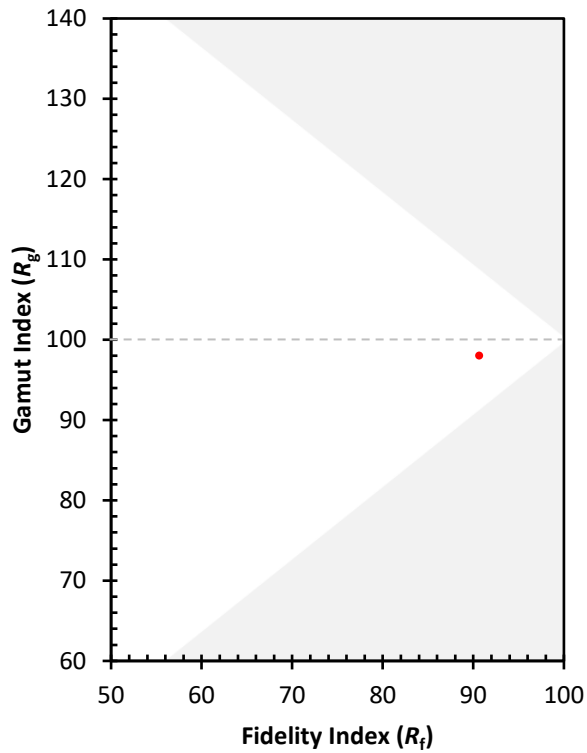
Individual Sample Fidelity Index ($R_{f,i}$)

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)