

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: P1048393

Luminaire Tested: **GALN-SA4A-735-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048393
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-735-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14535.8 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 107.4
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

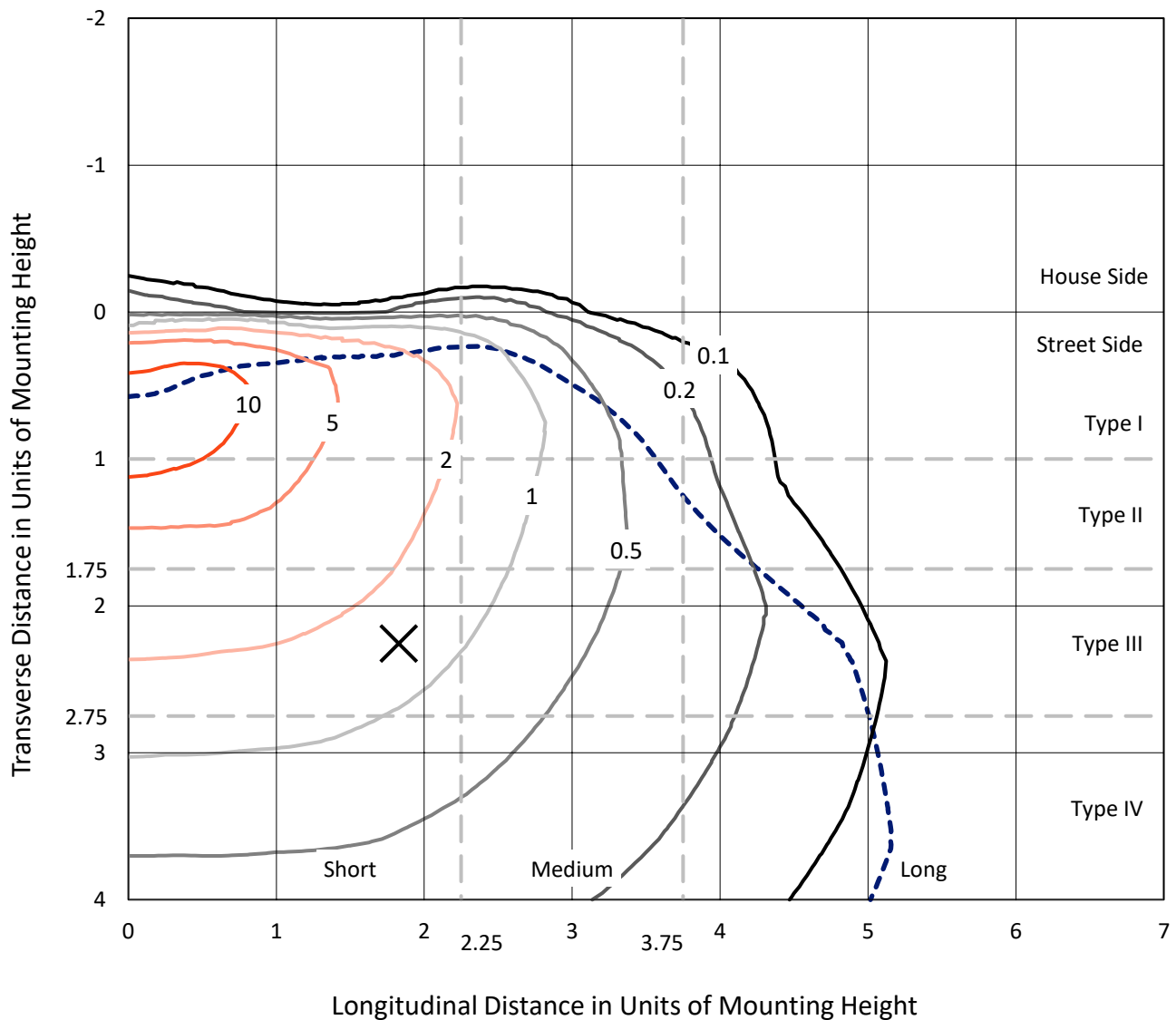


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

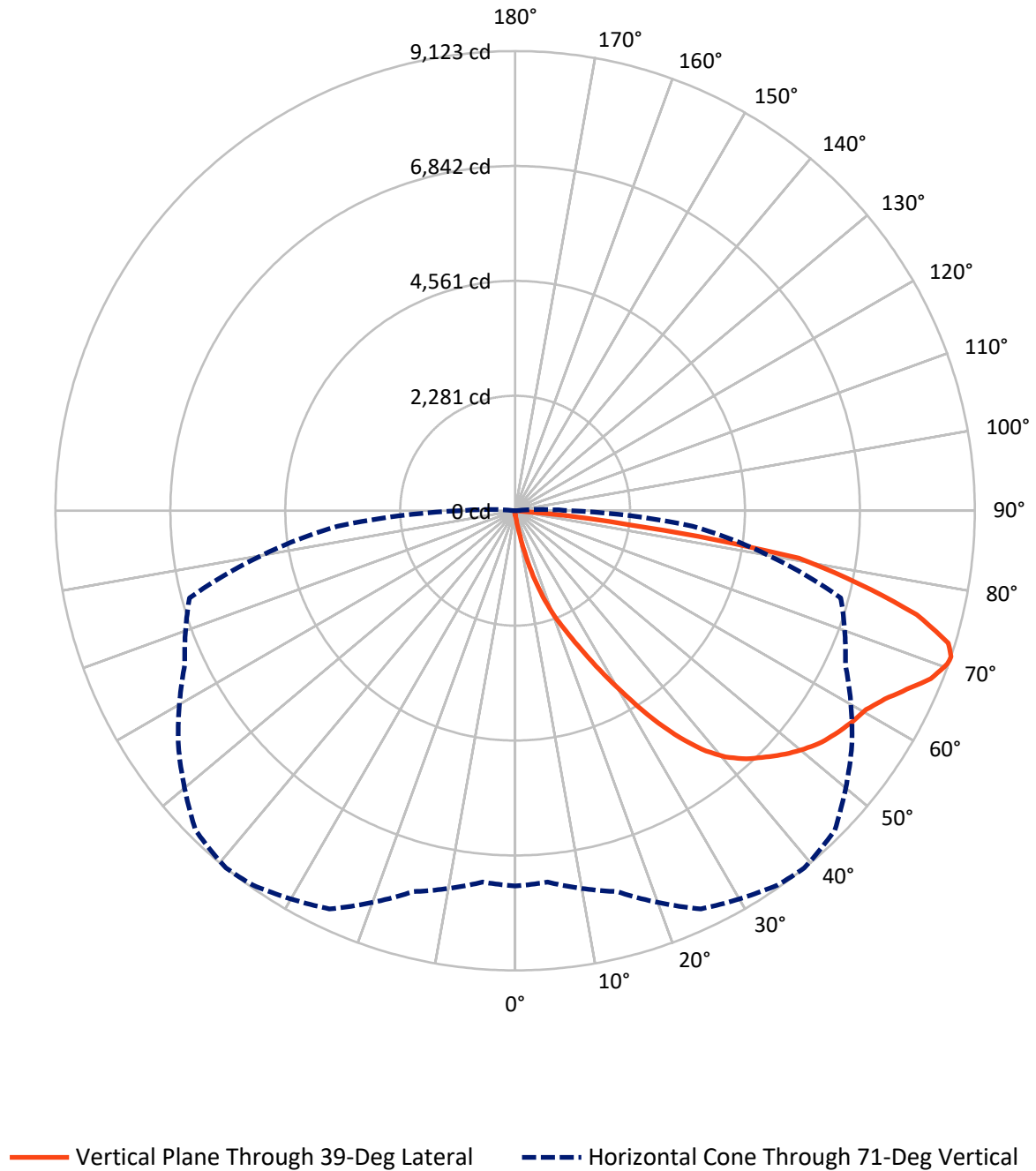


Based on 15 foot mounting height. Maximum calculated value = 14.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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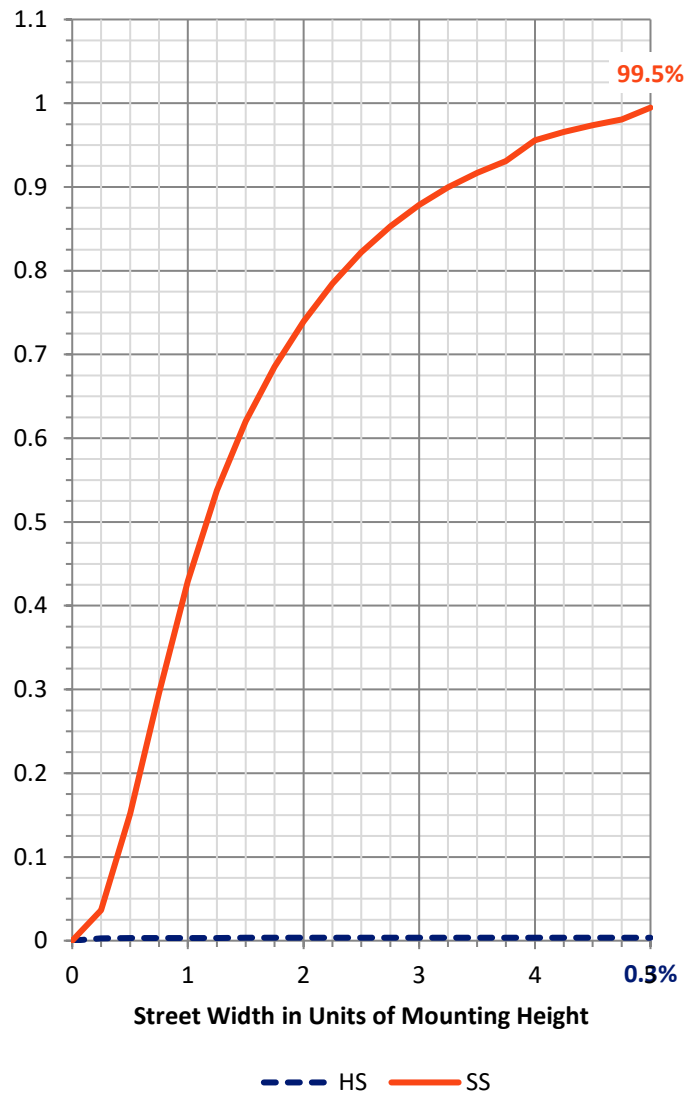
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.7	0.0	51.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14484.1	0.0	14484.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	14535.8	0.0	14535.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.1
10°-20°	155.4	1.1
20°-30°	553.3	3.8
30°-40°	1333.4	9.2
40°-50°	2231.6	15.4
50°-60°	2866.2	19.7
60°-70°	3627.2	25.0
70°-80°	3233.8	22.2
80°-90°	522.7	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°	14535.8	100.0
0°-180°	14535.8	100.0



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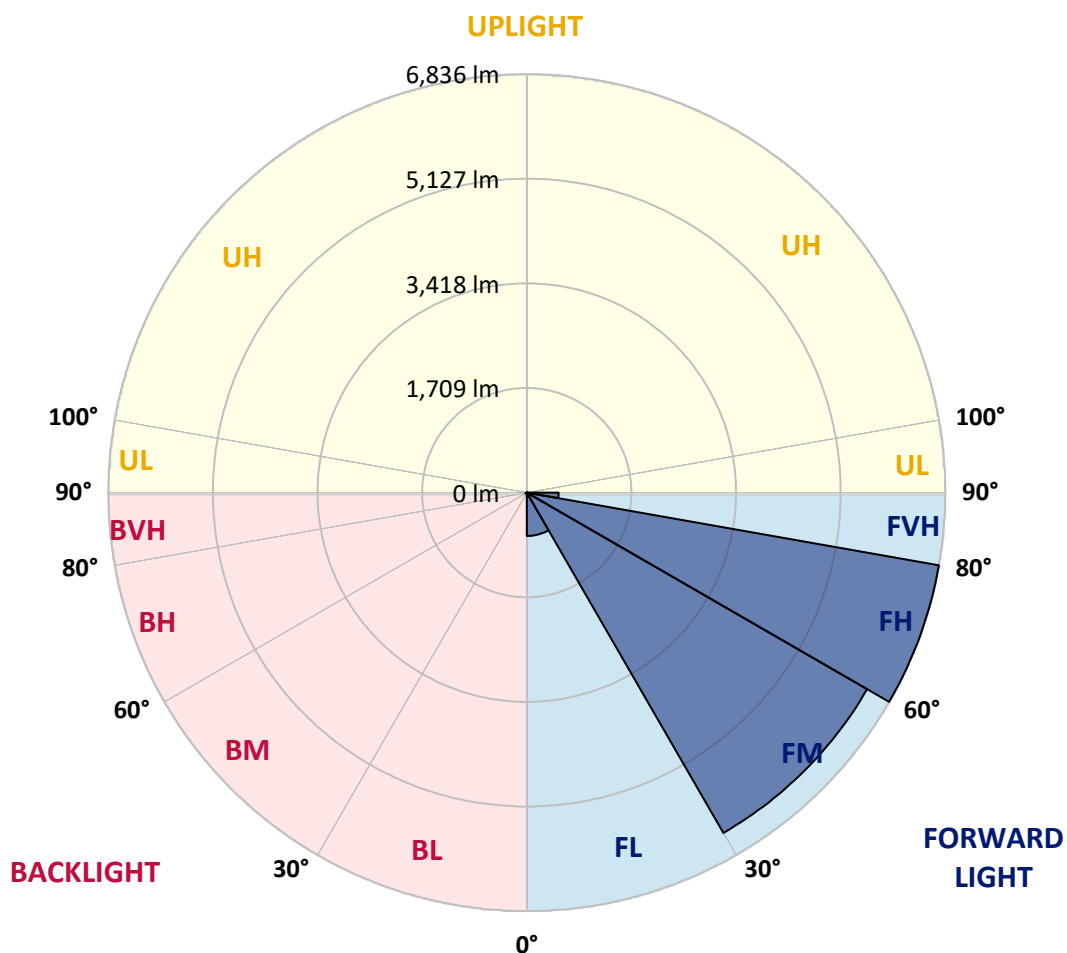
CATALOG NUMBER: GALN-SA4A-735-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	708.3	4.9			
FM	(30°-60°)	6419.3	44.2			
FH	(60°-80°)	6836.2	47.0			G3/7500
FVH	(80°-90°)	520.4	3.6			G4/750
BL	(0°-30°)	12.5	0.1	B0/110		
BM	(30°-60°)	12.0	0.1	B0/220		
BH	(60°-80°)	24.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.4	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2.5°	91.5	91.5	91.5	88.6	88.6	87.6	86.6	86.6	84.6	83.6	81.7
5°	138.7	135.8	128.9	125.0	117.1	112.2	107.3	100.4	93.5	88.6	82.7
7.5°	313.9	320.8	298.1	255.8	212.5	193.8	162.4	130.9	108.2	93.5	83.6
10°	800.0	796.1	719.3	634.7	490.0	432.0	338.5	213.5	139.7	102.3	84.6
12.5°	1360.9	1356.9	1266.4	1151.3	960.4	839.3	662.2	398.5	200.7	116.1	84.6
15°	1832.2	1816.5	1787.9	1673.8	1450.4	1349.1	1114.9	704.5	324.7	139.7	86.6
17.5°	2144.1	2130.3	2103.8	2062.4	1920.8	1800.7	1612.8	1107.0	525.5	181.1	90.5
20°	2430.5	2420.6	2399.0	2391.1	2299.6	2235.6	2080.2	1569.5	818.7	246.0	96.4
22.5°	2824.1	2803.4	2812.3	2765.0	2675.5	2598.7	2503.3	2053.6	1176.9	354.2	107.3
25°	3306.2	3296.4	3271.8	3238.3	3114.3	3047.4	2900.8	2510.2	1577.3	495.9	119.1
27.5°	3888.7	3877.9	3872.0	3795.3	3652.6	3579.8	3375.1	2941.2	2028.0	694.7	134.8
30°	4559.8	4564.7	4526.4	4428.0	4261.7	4159.3	3948.8	3392.8	2489.5	927.9	151.5
32.5°	5254.5	5244.7	5185.6	5069.5	4920.9	4825.5	4557.9	3887.8	2973.6	1235.9	171.2
35°	6003.3	5984.6	5829.2	5696.3	5569.4	5449.4	5205.3	4462.4	3457.8	1581.3	197.8
37.5°	6759.0	6671.5	6359.5	6191.3	6103.7	6005.3	5778.0	5075.4	3938.9	1967.0	230.3
40°	7329.8	7261.9	6891.9	6581.9	6512.1	6428.4	6259.2	5604.8	4450.6	2381.3	269.6
42.5°	7645.6	7608.2	7275.6	6969.6	6805.3	6731.5	6586.8	6067.3	4956.4	2838.8	326.7
45°	7780.4	7722.4	7500.0	7357.3	7095.6	6973.6	6801.4	6416.6	5484.8	3358.4	406.4
47.5°	7739.1	7705.6	7546.2	7598.4	7408.5	7218.6	6965.7	6684.3	5936.4	3954.7	515.6
50°	7479.3	7450.8	7401.6	7684.0	7660.4	7436.0	7178.2	6895.8	6305.4	4569.7	684.9
52.5°	6985.4	6973.6	7099.5	7617.1	7803.1	7627.9	7382.9	7082.8	6649.8	5212.2	926.9
55°	6348.7	6396.9	6757.1	7512.8	7875.9	7769.6	7564.0	7257.9	6926.3	5786.9	1284.1
57.5°	6087.0	6099.8	6549.5	7439.0	7908.4	7894.6	7740.1	7425.2	7180.2	6246.4	1829.2
60°	6393.0	6373.3	6610.5	7495.1	7973.3	8006.7	7896.5	7580.7	7400.6	6641.0	2555.4
62.5°	6946.0	6935.2	7010.9	7734.2	8163.2	8231.1	8114.0	7692.9	7595.4	6900.7	3384.0
65°	7440.0	7417.3	7558.0	8158.3	8496.8	8545.0	8442.7	7884.7	7681.0	7089.7	4162.3
67.5°	7653.5	7648.6	7874.9	8561.7	8847.1	8899.2	8809.7	8149.4	7661.4	7149.7	4505.7
70°	7556.1	7537.4	7899.5	8732.9	9044.9	9103.9	9017.3	8247.8	7447.8	6959.8	3997.0
71°	7448.8	7398.6	7825.7	8721.1	9072.4	9122.6	8971.1	8158.3	7233.3	6690.2	3535.5
72.5°	7116.2	7125.1	7623.0	8598.1	9006.5	8991.7	8709.3	7837.5	6974.5	6078.1	2839.8
75°	6297.6	6349.7	6966.7	8081.5	8418.1	8230.1	7798.1	7224.5	6455.0	4358.1	1971.9
77.5°	5146.3	5224.0	5902.0	7087.7	6992.3	6973.6	6955.8	6365.4	5512.3	2340.9	1371.7
80°	2457.0	2625.3	3560.1	5059.7	5496.6	5708.1	5575.3	5129.6	4262.7	1114.9	819.7
82.5°	160.4	158.4	224.4	425.1	1791.9	2316.3	3680.1	3666.4	2971.7	543.2	334.6
85°	75.8	77.7	85.6	97.4	113.2	124.0	171.2	1003.7	1421.9	258.8	72.8
87.5°	44.3	45.3	53.1	67.9	88.6	98.4	117.1	150.6	185.0	142.7	15.7
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-SA4A-735-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2.5°	80.7	79.7	76.8	73.8	70.8	68.9	67.9	68.9	68.9	69.9	69.9
5°	80.7	77.7	72.8	66.9	63.0	59.0	57.1	56.1	57.1	57.1	57.1
7.5°	79.7	74.8	67.9	61.0	56.1	51.2	49.2	48.2	48.2	49.2	49.2
10°	77.7	72.8	64.0	56.1	50.2	44.3	41.3	38.4	38.4	38.4	39.4
12.5°	76.8	69.9	59.0	51.2	43.3	36.4	30.5	27.6	28.5	28.5	28.5
15°	74.8	66.9	56.1	46.2	36.4	27.6	22.6	19.7	20.7	21.6	20.7
17.5°	74.8	65.9	52.2	40.3	28.5	20.7	16.7	14.8	14.8	15.7	15.7
20°	74.8	64.0	49.2	34.4	21.6	15.7	11.8	10.8	10.8	12.8	13.8
22.5°	76.8	64.0	45.3	28.5	17.7	11.8	8.9	7.9	8.9	10.8	11.8
25°	79.7	63.0	41.3	25.6	14.8	8.9	6.9	4.9	5.9	7.9	8.9
27.5°	82.7	62.0	37.4	22.6	11.8	6.9	4.9	3.9	3.0	3.9	3.9
30°	85.6	62.0	33.5	18.7	9.8	4.9	3.0	2.0	1.0	0.0	0.0
32.5°	87.6	60.0	30.5	14.8	7.9	3.9	2.0	1.0	0.0	0.0	0.0
35°	89.5	58.1	26.6	11.8	5.9	3.0	1.0	0.0	0.0	0.0	0.0
37.5°	91.5	55.1	22.6	9.8	4.9	2.0	0.0	0.0	0.0	0.0	0.0
40°	93.5	51.2	18.7	8.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	95.4	48.2	15.7	6.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	100.4	46.2	12.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	109.2	44.3	11.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	122.0	42.3	10.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	139.7	41.3	9.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	171.2	40.3	8.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	225.3	39.4	8.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	345.4	37.4	8.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	617.0	36.4	7.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1075.5	37.4	7.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1541.9	39.4	6.9	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1319.5	34.4	6.9	3.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
71°	1075.5	30.5	6.9	3.9	2.0	1.0	1.0	0.0	0.0	0.0	0.0
72.5°	691.7	23.6	5.9	3.9	2.0	2.0	1.0	0.0	0.0	0.0	0.0
75°	292.2	19.7	5.9	3.9	3.0	2.0	2.0	1.0	0.0	0.0	0.0
77.5°	125.0	14.8	5.9	4.9	3.9	3.0	3.0	2.0	1.0	0.0	0.0
80°	47.2	11.8	6.9	5.9	4.9	4.9	3.9	2.0	1.0	0.0	0.0
82.5°	21.6	9.8	6.9	5.9	5.9	4.9	3.9	3.0	2.0	0.0	0.0
85°	13.8	8.9	6.9	5.9	5.9	4.9	4.9	3.0	2.0	0.0	0.0
87.5°	10.8	8.9	6.9	6.9	5.9	5.9	3.9	3.0	1.0	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

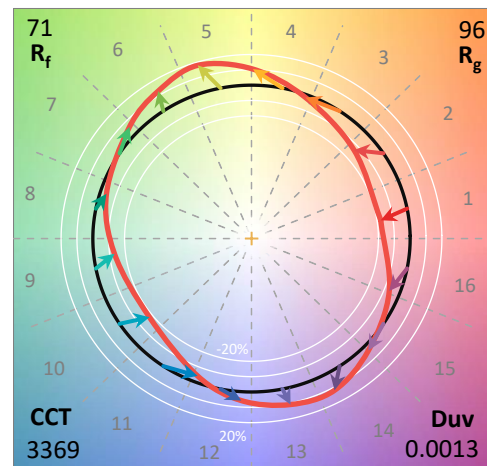
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-5
 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-735-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

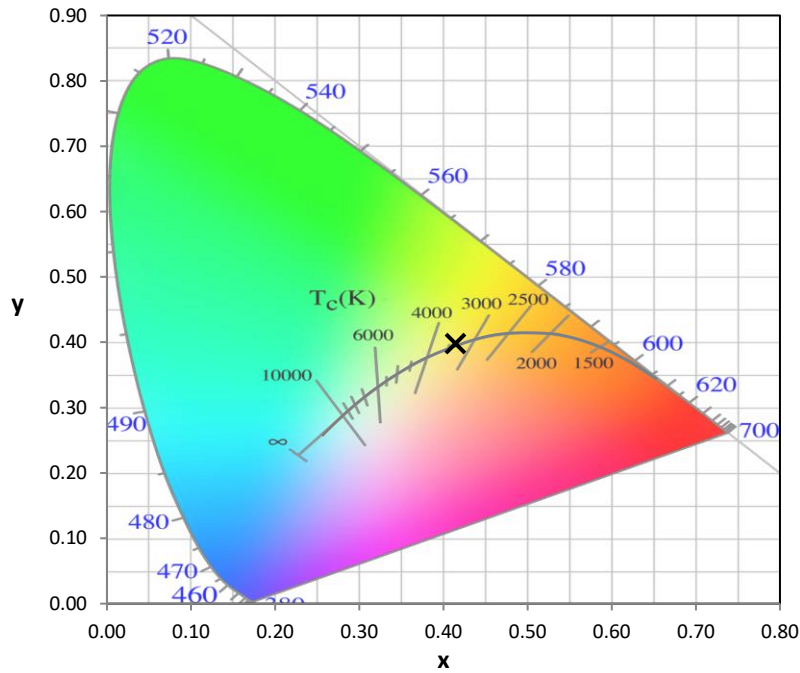
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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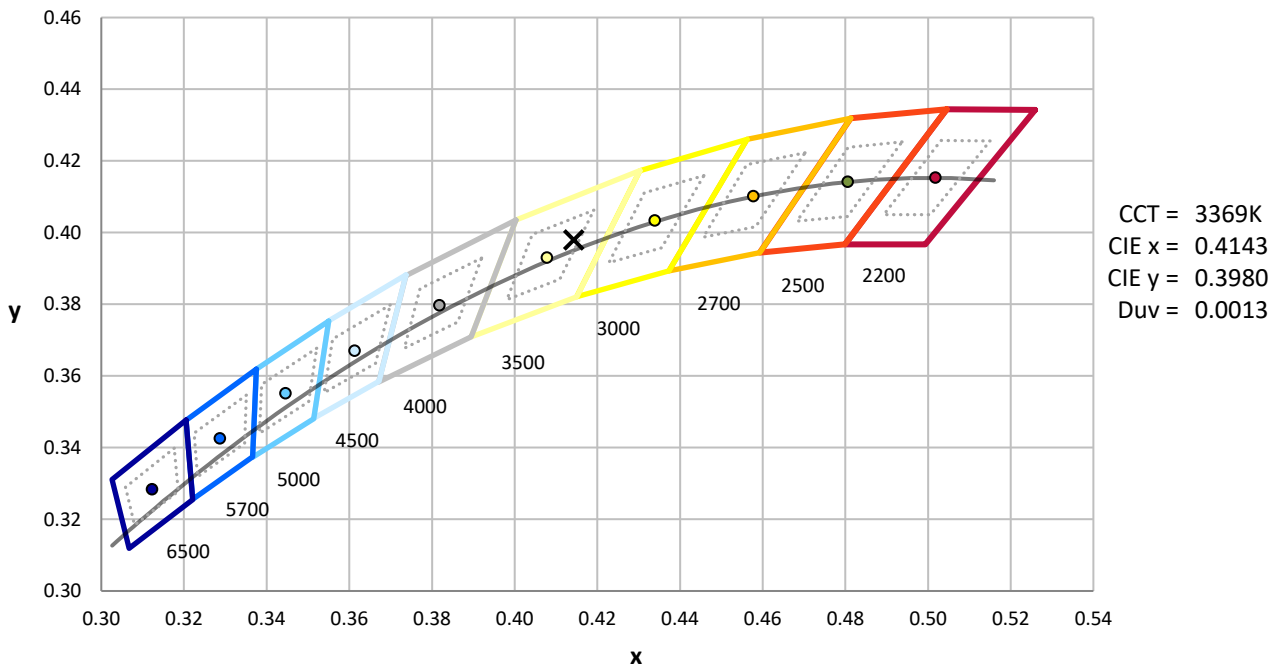
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 3500K 4-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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



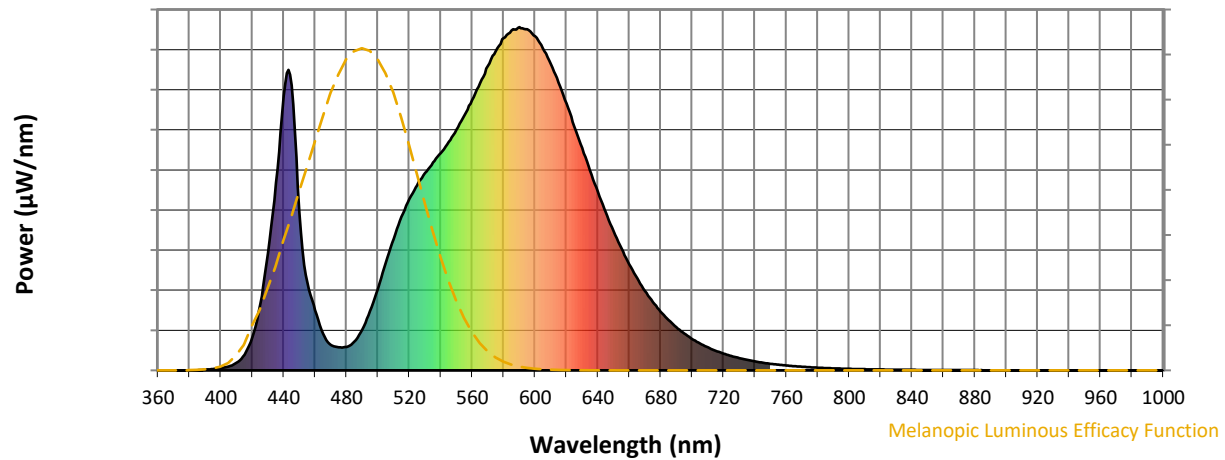
Scotopic Lumens: NR

S/P: 1.29

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.36

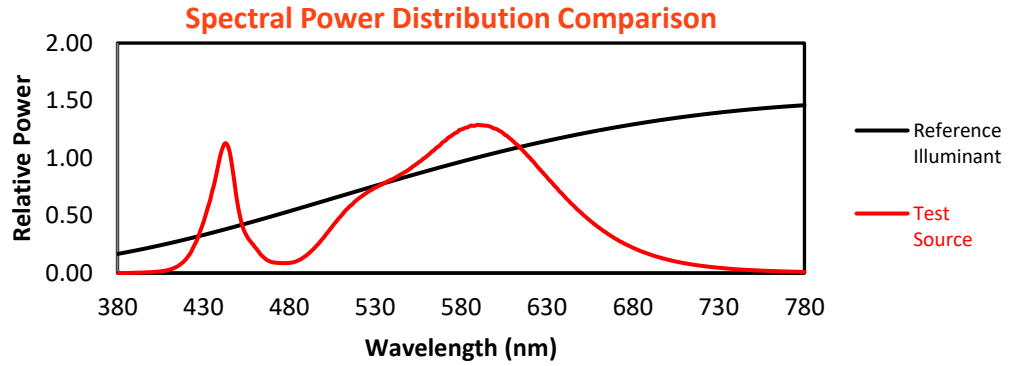
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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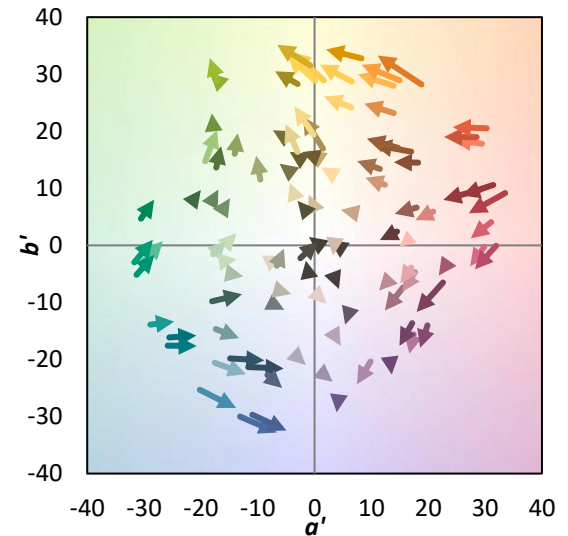
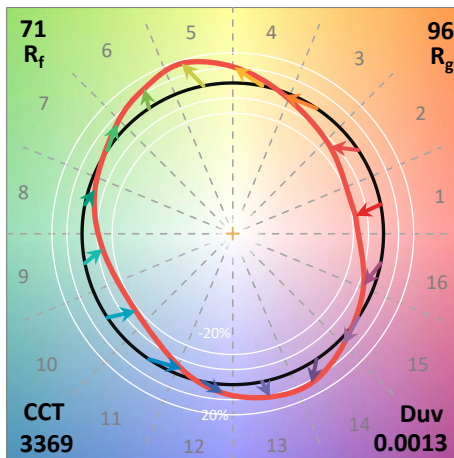
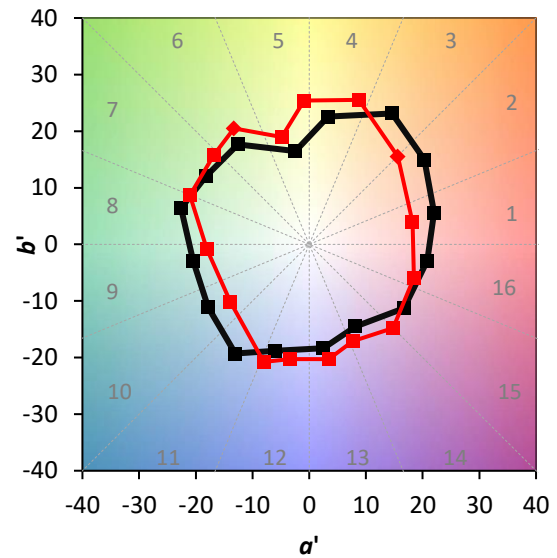
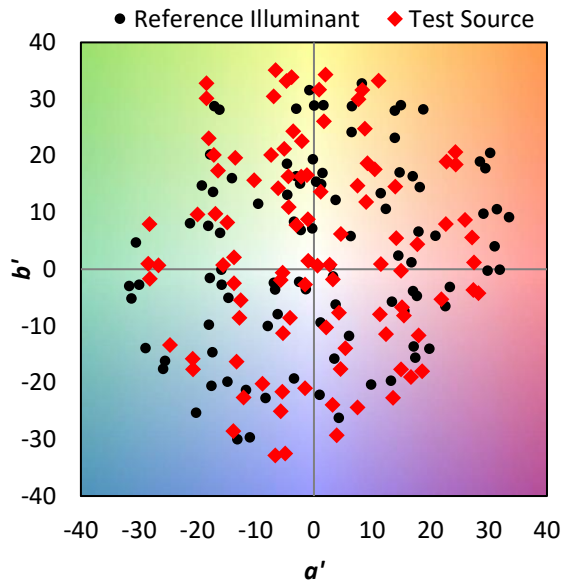
TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 CIE $R_a = 70.1$
 $R_g = -40.2$

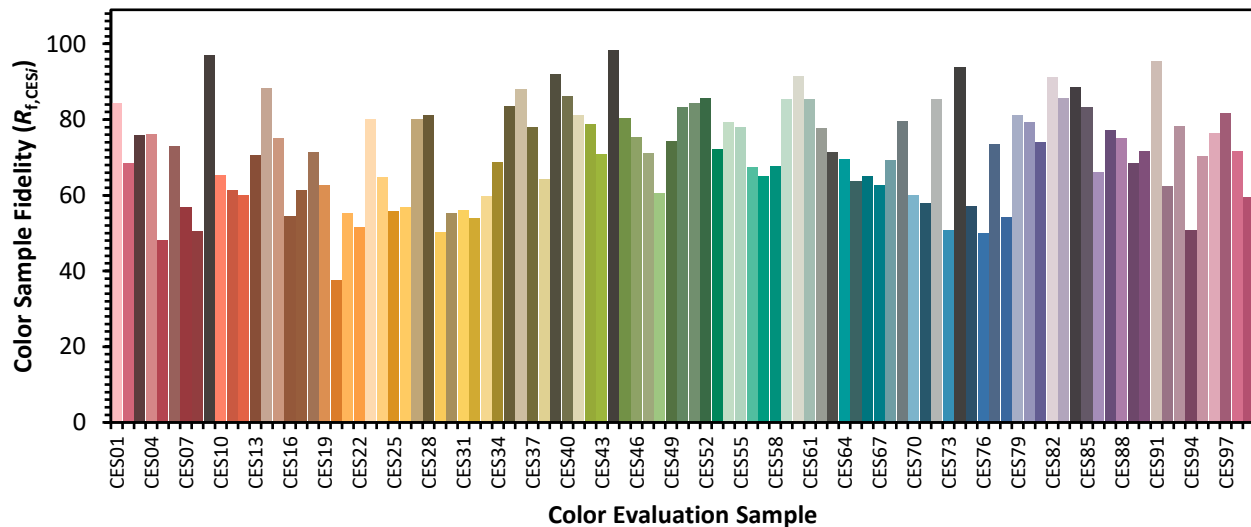


Color Vector Graphics

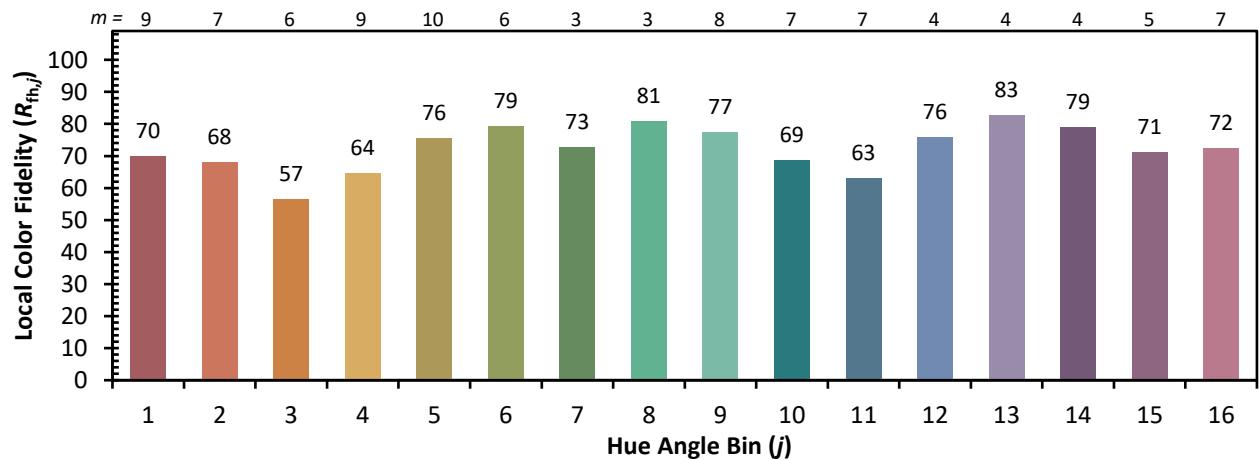
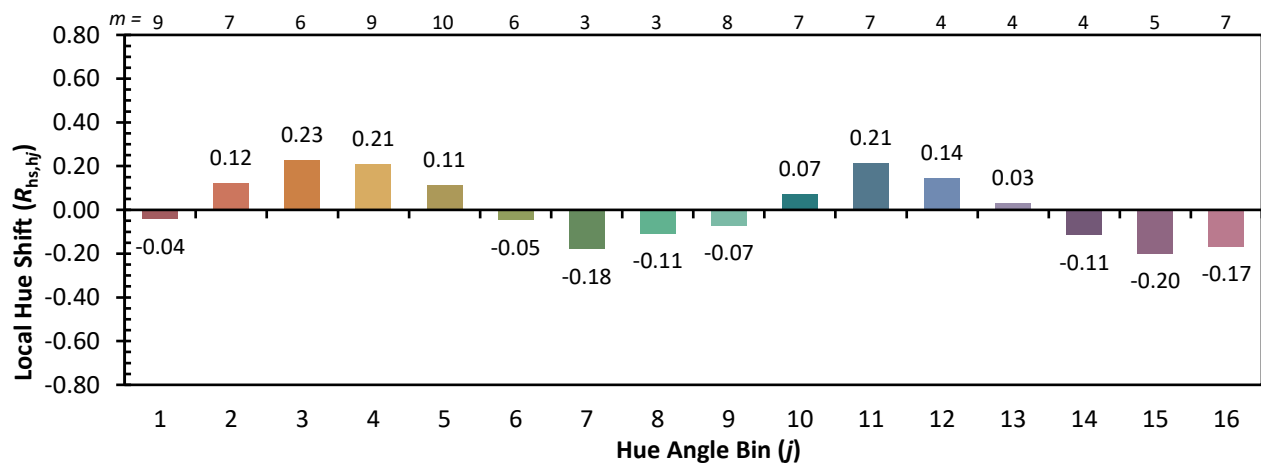
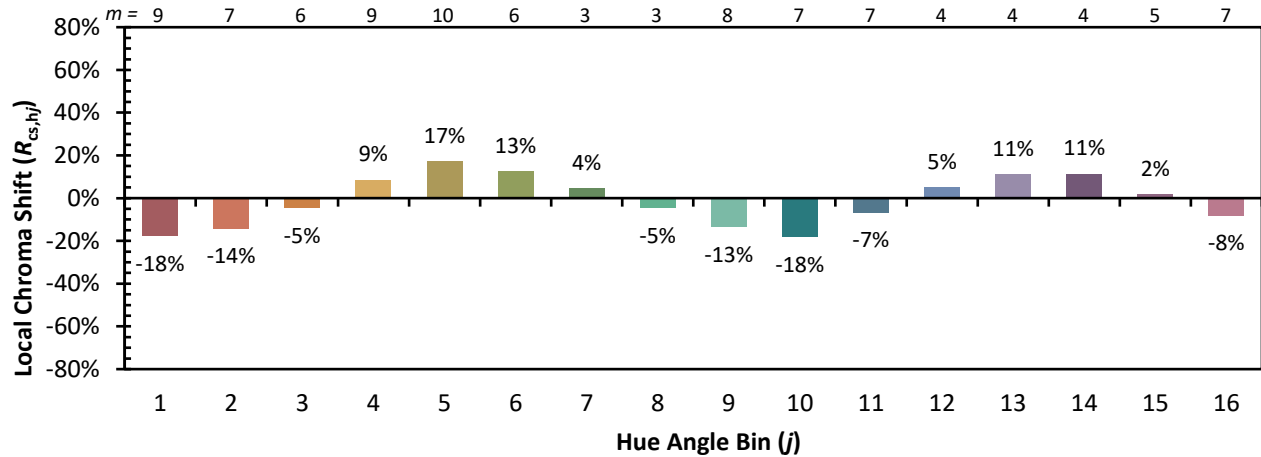


Individual Sample Fidelity Index ($R_{f,i}$)

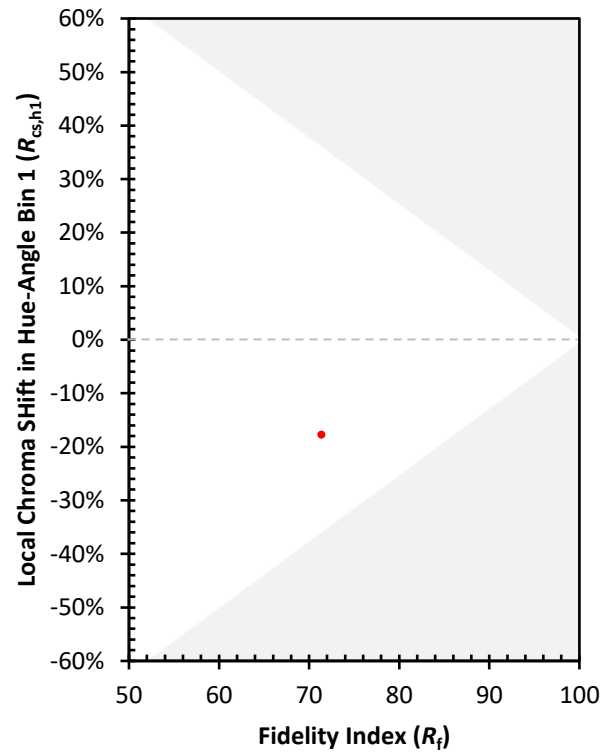
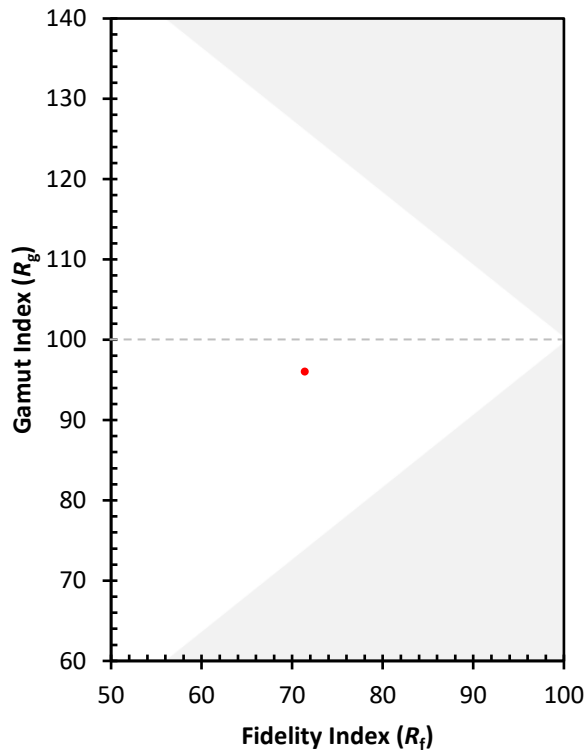
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)