

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: P1047369

Luminaire Tested: **GALN-SA9A-835-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047369
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9A-835-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 9xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (126) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30324.5 lumens
Efficiency: N/A
Efficacy: 124.0 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): 244.6
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

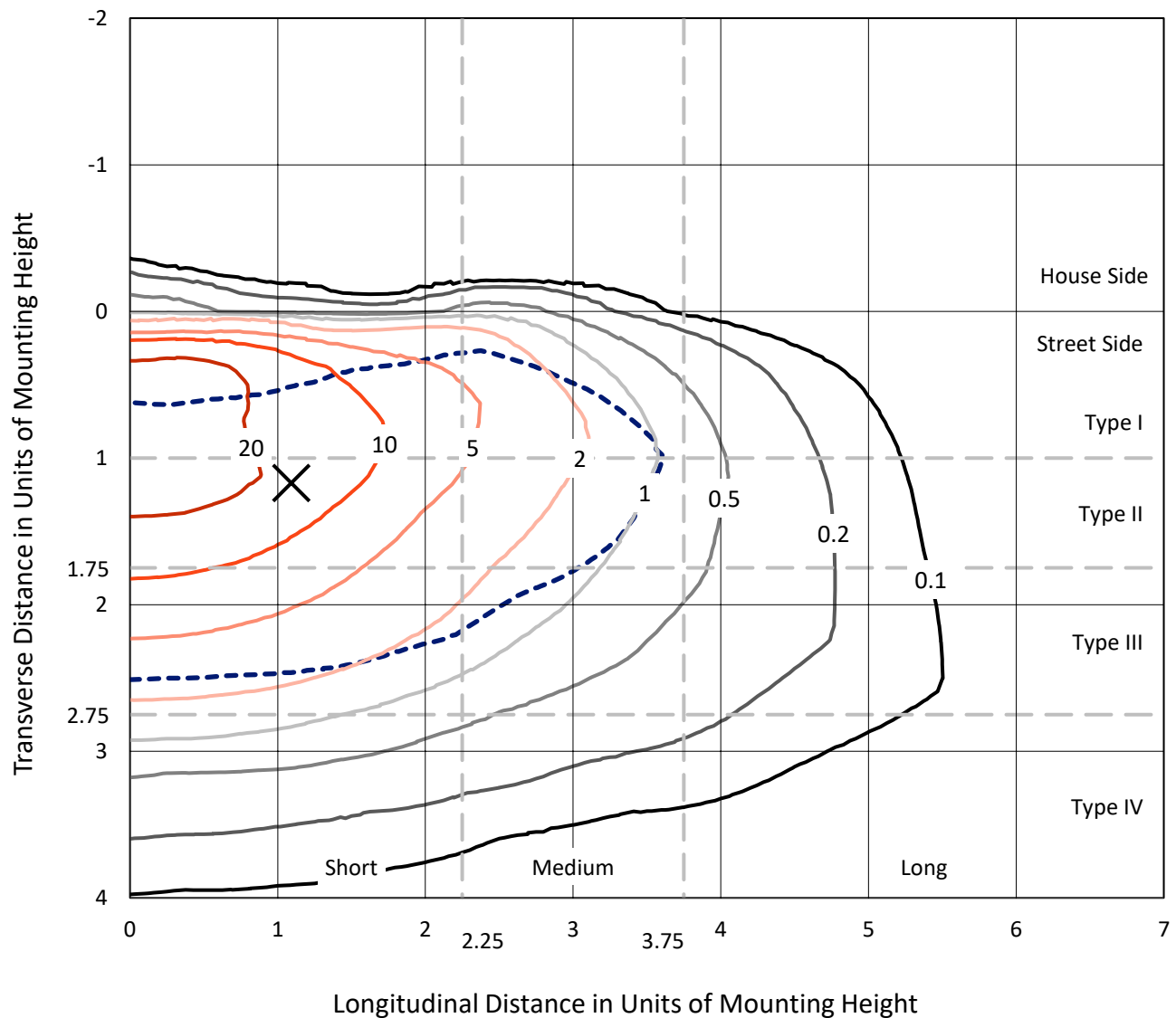


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

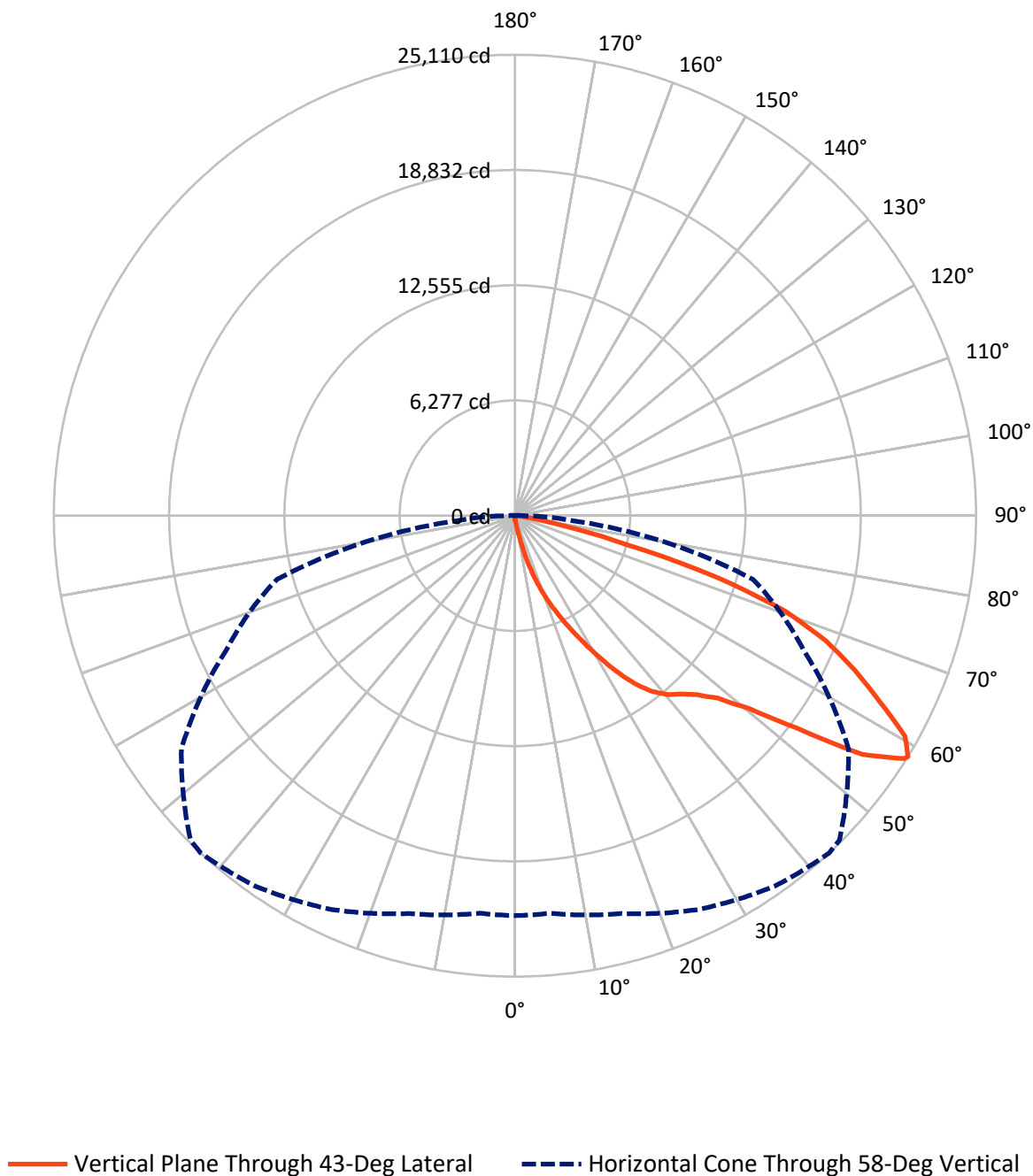


Based on 15 foot mounting height. Maximum calculated value = 34 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	110.7	0.0	110.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	30213.8	0.0	30213.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	30324.5	0.0	30324.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	0.1
10°-20°	348.6	1.1
20°-30°	1256.4	4.1
30°-40°	2874.6	9.5
40°-50°	4848.3	16.0
50°-60°	8000.8	26.4
60°-70°	8942.0	29.5
70°-80°	3692.0	12.2
80°-90°	332.8	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°	30324.5	100.0
0°-180°	30324.5	100.0



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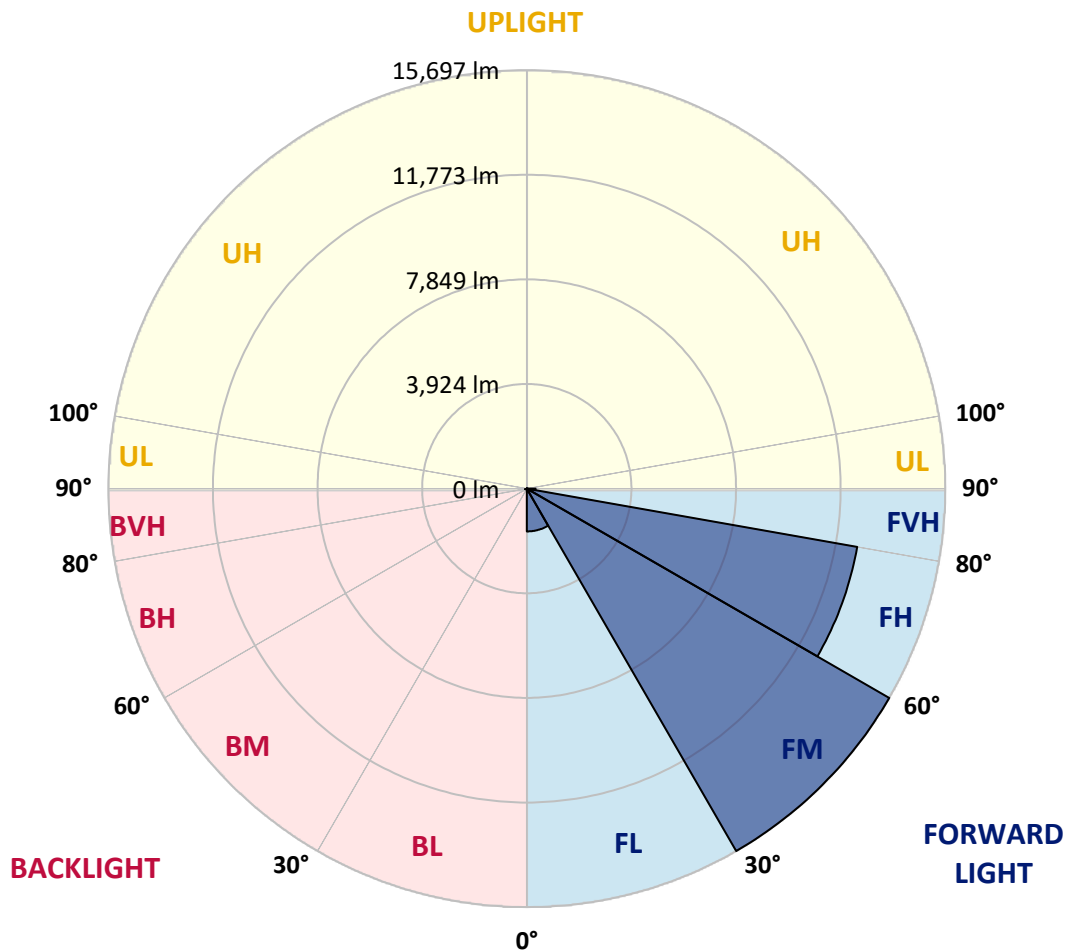
CATALOG NUMBER: GALN-SA9A-835-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1605.1	5.3			
FM	(30°-60°)	15697.1	51.8			
FH	(60°-80°)	12583.3	41.5			G5
FVH	(80°-90°)	328.3	1.1			G3/500
BL	(0°-30°)	28.9	0.1	B0/110		
BM	(30°-60°)	26.5	0.1	B0/220		
BH	(60°-80°)	50.7	0.2	B0/110		G0/110
BVH	(80°-90°)	4.6	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3
2.5°	237.9	245.9	237.9	237.9	237.9	230.0	230.0	222.1	222.1	214.1	206.2
5°	349.0	349.0	325.2	309.3	293.5	285.5	277.6	261.7	245.9	230.0	214.1
7.5°	777.2	777.2	705.9	610.7	483.8	412.4	396.6	325.2	277.6	245.9	214.1
10°	1855.9	1855.9	1697.3	1435.5	1110.4	824.8	737.6	467.9	333.1	261.7	222.1
12.5°	3085.2	3124.9	2926.6	2593.5	2109.7	1610.0	1435.5	856.6	444.1	285.5	222.1
15°	4187.6	4092.5	4036.9	3719.7	3259.7	2664.9	2442.8	1443.5	642.4	325.2	222.1
17.5°	4933.2	4933.2	4853.8	4639.7	4219.4	3695.9	3513.5	2331.7	1039.0	372.8	230.0
20°	5805.6	5805.6	5662.8	5512.1	5139.4	4695.2	4520.7	3315.2	1610.0	475.9	230.0
22.5°	6860.4	6876.3	6717.7	6448.0	6091.1	5599.4	5448.7	4227.3	2331.7	634.5	237.9
25°	8145.3	8161.1	7931.1	7677.3	7130.1	6598.7	6368.7	5274.2	3212.1	888.3	237.9
27.5°	9564.9	9676.0	9334.9	8898.7	8319.7	7653.5	7479.0	6218.0	4084.5	1253.1	253.8
30°	11333.6	11333.6	10881.5	10270.8	9644.2	8819.4	8597.3	7209.4	5012.5	1736.9	269.7
32.5°	12856.3	12737.4	12158.4	11516.0	10849.8	10080.4	9842.5	8248.4	5964.2	2339.7	301.4
35°	14022.2	13919.1	13205.3	12515.3	11936.3	11230.5	10944.9	9374.6	6971.4	3021.8	349.0
37.5°	15021.5	14981.9	14014.3	13149.8	12769.1	12150.5	11896.7	10437.3	7962.8	3759.3	404.5
40°	16116.0	15989.1	14958.1	13887.4	13316.3	12816.7	12586.7	11293.9	8914.6	4623.8	483.8
42.5°	17051.9	16901.2	15973.3	14926.4	13950.8	13276.7	13054.6	12015.6	9842.5	5488.3	586.9
45°	18090.9	18011.6	17075.7	16282.6	14981.9	13903.2	13609.8	12594.6	10691.1	6519.4	721.7
47.5°	19653.3	19510.5	18638.1	17987.8	16480.9	14855.0	14434.6	13189.4	11508.0	7534.6	927.9
50°	21469.5	21374.4	20858.8	20343.3	18844.3	16480.9	15981.2	14046.0	12420.1	8740.1	1197.6
52.5°	22952.6	22936.8	23000.2	23008.2	21874.0	19217.1	18471.6	15426.0	13467.0	9929.8	1578.3
55°	22920.9	22992.3	23690.2	24491.3	24578.5	22952.6	22230.9	17749.8	14831.2	11397.0	2109.7
57.5°	22064.4	22008.8	22746.4	23952.0	24800.6	24975.1	24856.1	21358.5	16885.3	13165.6	2926.6
58°	21786.8	21739.2	22437.1	23666.4	24642.0	25109.9	24990.9	22175.4	17345.3	13419.4	3148.7
60°	20779.5	20787.4	21199.9	22318.2	23293.7	24404.0	24515.1	24507.1	19637.4	15116.7	4266.9
62.5°	19447.1	19383.6	19764.3	20676.4	21533.0	22278.5	22468.8	24665.8	22992.3	17274.0	6400.4
65°	17607.1	17511.9	17916.4	18947.4	19867.4	20351.2	20359.2	22540.2	24570.6	19589.9	9446.0
67.5°	14188.8	14109.5	14918.4	16242.9	17662.6	18297.1	18582.6	19558.1	23238.2	21160.2	11190.8
70°	8692.5	8859.1	9985.3	12063.2	14490.1	15656.0	16084.3	16385.7	19788.1	20922.3	9358.7
72.5°	4013.1	3814.9	4774.5	6225.9	8993.9	11587.4	12031.5	13213.2	15687.7	18162.3	6979.4
75°	1871.7	1800.4	2022.4	2720.4	4076.6	6257.6	7066.6	10548.4	12031.5	12634.3	5036.3
77.5°	959.7	967.6	1150.0	1237.3	1681.4	2894.9	3323.1	6939.7	8819.4	7050.8	3378.7
80°	420.3	436.2	444.1	483.8	682.1	1118.3	1261.0	3220.0	6027.6	3592.8	1847.9
82.5°	269.7	277.6	277.6	277.6	325.2	444.1	507.6	1292.8	3005.9	1784.5	571.0
85°	142.8	142.8	158.6	198.3	230.0	269.7	285.5	412.4	991.4	531.4	134.8
87.5°	79.3	87.2	95.2	119.0	150.7	182.4	198.3	285.5	380.7	364.8	31.7
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-SA9A-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3
2.5°	206.2	198.3	190.3	182.4	174.5	166.6	166.6	166.6	166.6	166.6	166.6
5°	198.3	190.3	182.4	166.6	150.7	142.8	134.8	126.9	126.9	126.9	126.9
7.5°	198.3	190.3	166.6	150.7	134.8	119.0	103.1	103.1	103.1	103.1	103.1
10°	198.3	182.4	158.6	134.8	111.0	95.2	87.2	79.3	79.3	79.3	79.3
12.5°	198.3	174.5	150.7	119.0	95.2	79.3	71.4	63.4	63.4	63.4	63.4
15°	198.3	174.5	142.8	111.0	87.2	63.4	55.5	47.6	47.6	47.6	47.6
17.5°	190.3	166.6	134.8	95.2	71.4	47.6	39.7	31.7	31.7	39.7	39.7
20°	182.4	158.6	119.0	79.3	55.5	39.7	23.8	23.8	23.8	23.8	23.8
22.5°	182.4	158.6	111.0	71.4	47.6	23.8	15.9	15.9	15.9	15.9	23.8
25°	182.4	150.7	95.2	55.5	31.7	15.9	7.9	7.9	7.9	7.9	7.9
27.5°	182.4	150.7	87.2	47.6	23.8	15.9	7.9	0.0	0.0	0.0	0.0
30°	174.5	142.8	79.3	39.7	15.9	7.9	0.0	0.0	0.0	0.0	0.0
32.5°	174.5	134.8	63.4	31.7	15.9	7.9	0.0	0.0	0.0	0.0	0.0
35°	182.4	126.9	55.5	23.8	7.9	0.0	0.0	0.0	0.0	0.0	7.9
37.5°	190.3	119.0	47.6	15.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	198.3	111.0	47.6	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	214.1	111.0	39.7	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	230.0	111.0	31.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	261.7	119.0	31.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	285.5	126.9	23.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	317.2	119.0	23.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	356.9	119.0	23.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	388.6	111.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	404.5	103.1	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	483.8	95.2	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	753.5	79.3	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1530.7	71.4	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2855.2	63.4	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3196.2	71.4	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2014.5	55.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1062.8	55.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	531.4	55.5	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	245.9	39.7	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	103.1	23.8	15.9	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	47.6	23.8	15.9	15.9	7.9	7.9	0.0	0.0	0.0	0.0	0.0
87.5°	23.8	23.8	23.8	15.9	15.9	7.9	7.9	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

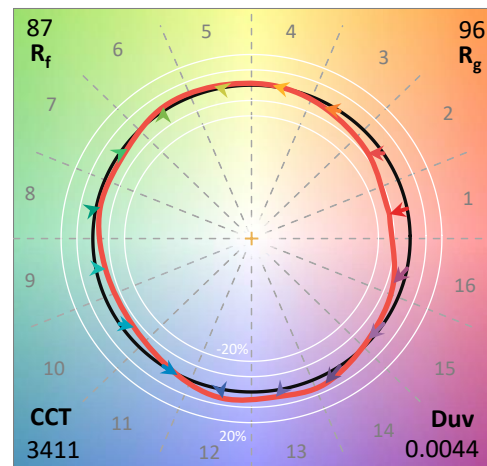
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

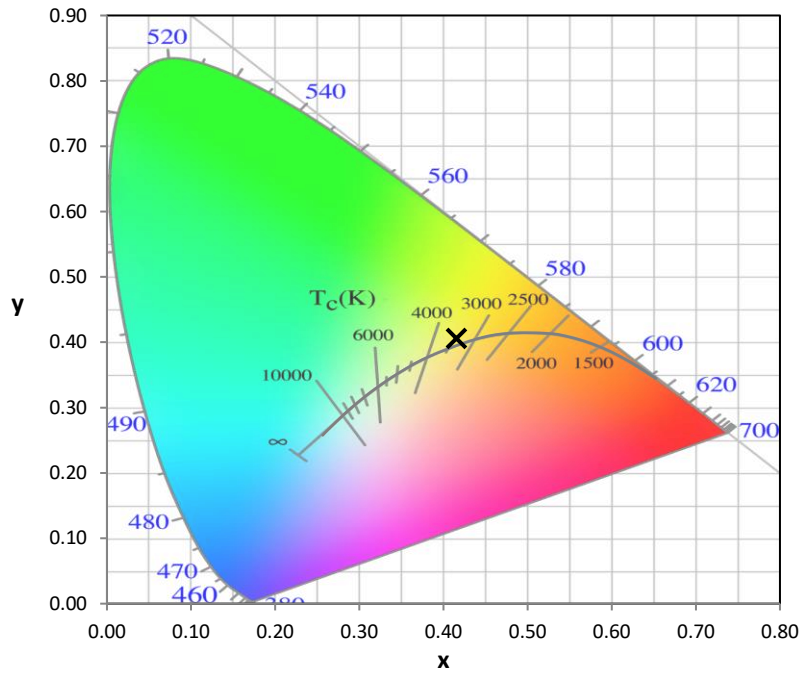
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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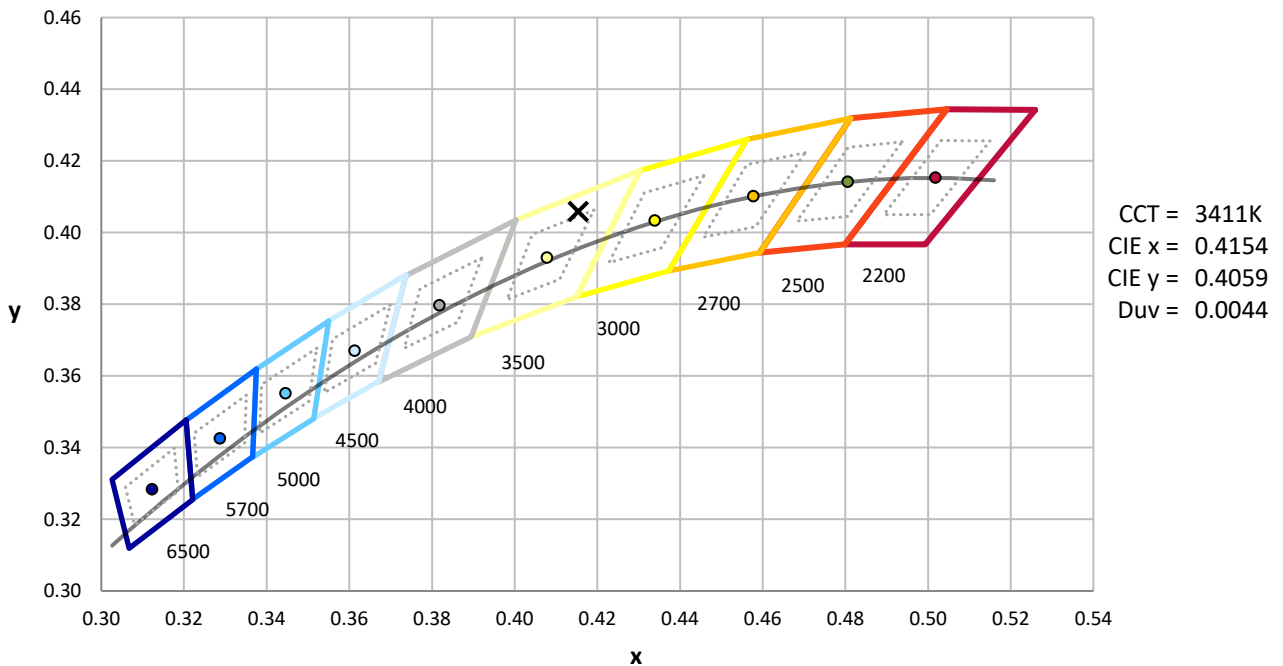
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



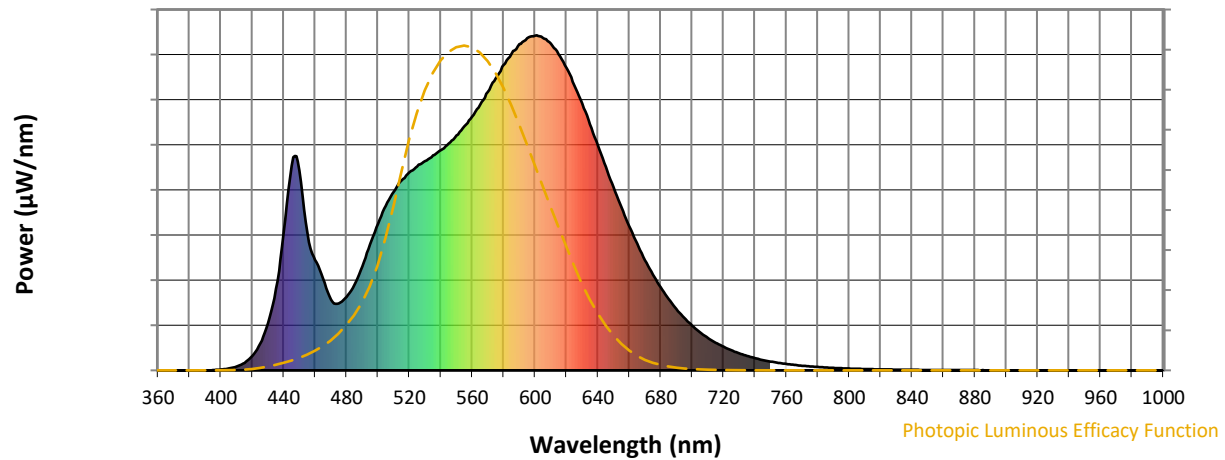
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

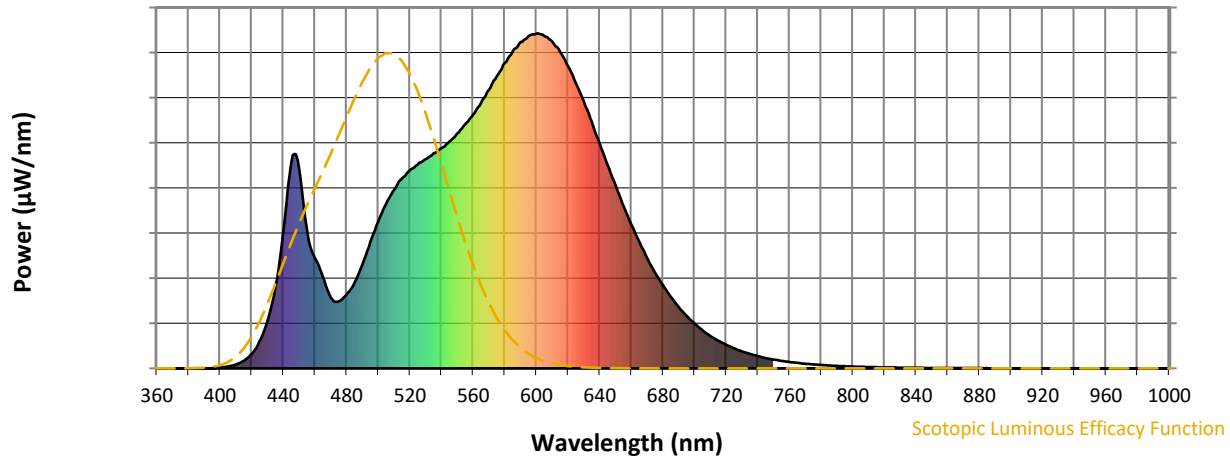


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



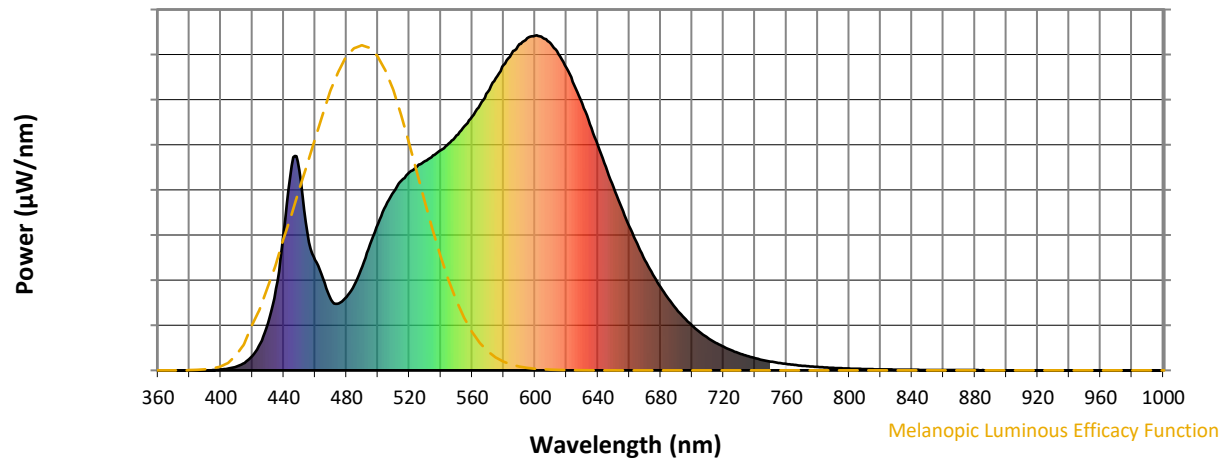
Scotopic Lumens: NR

S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

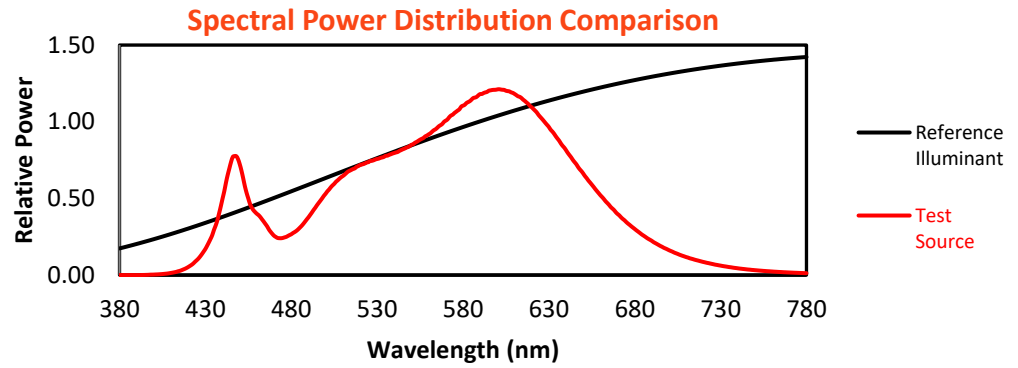
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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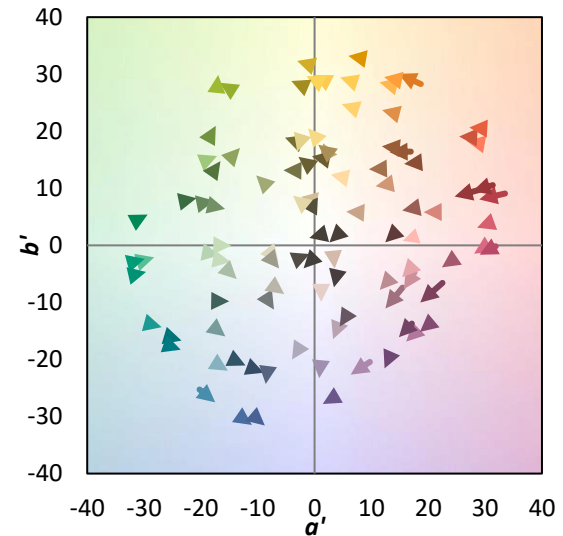
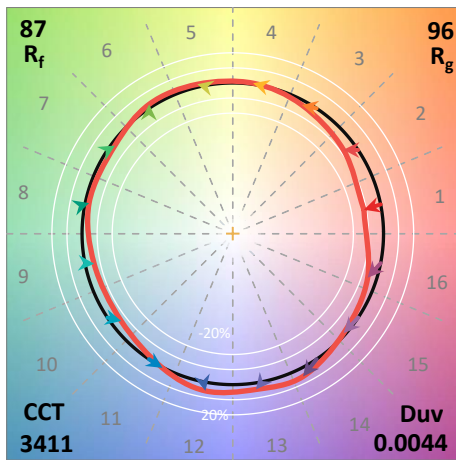
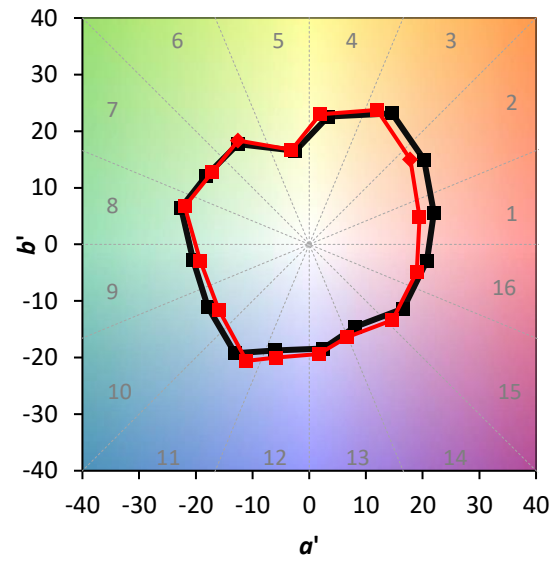
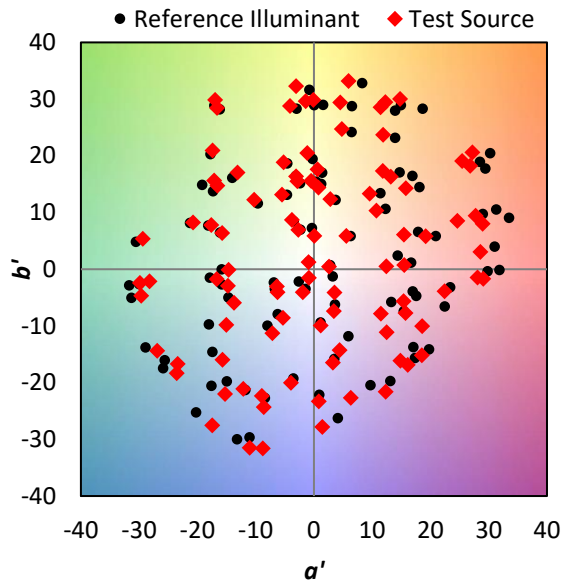
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$

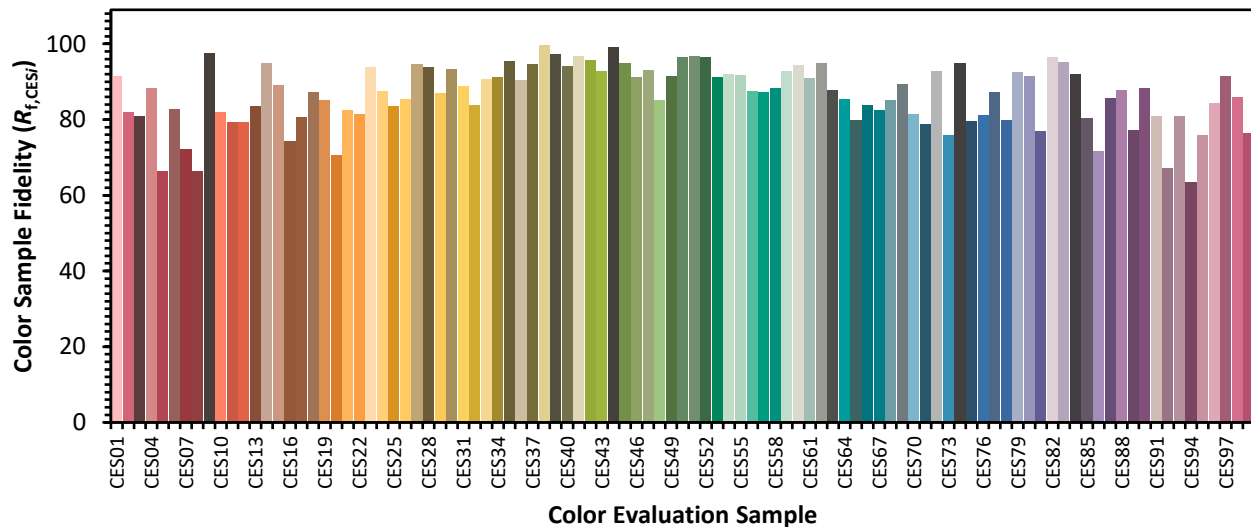


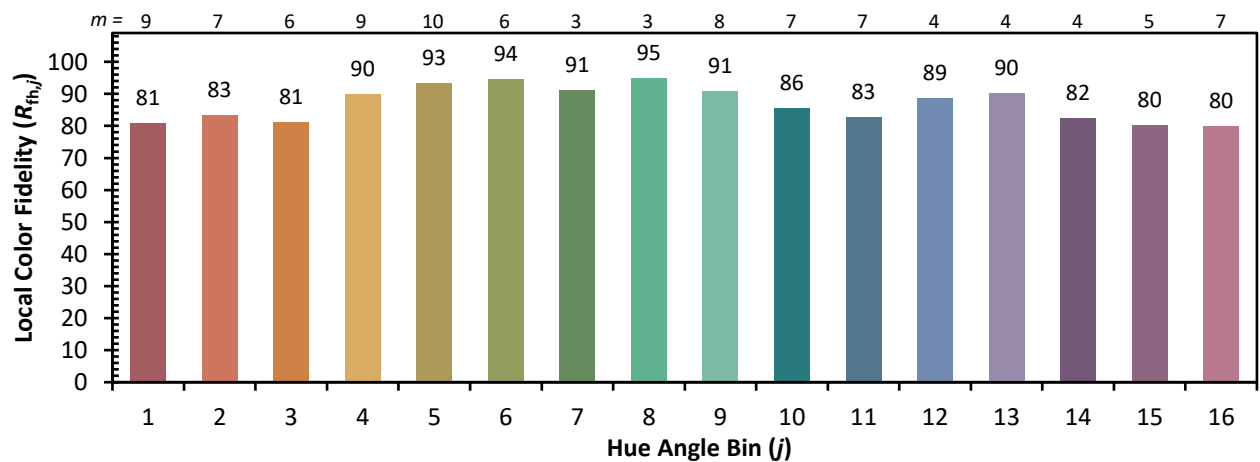
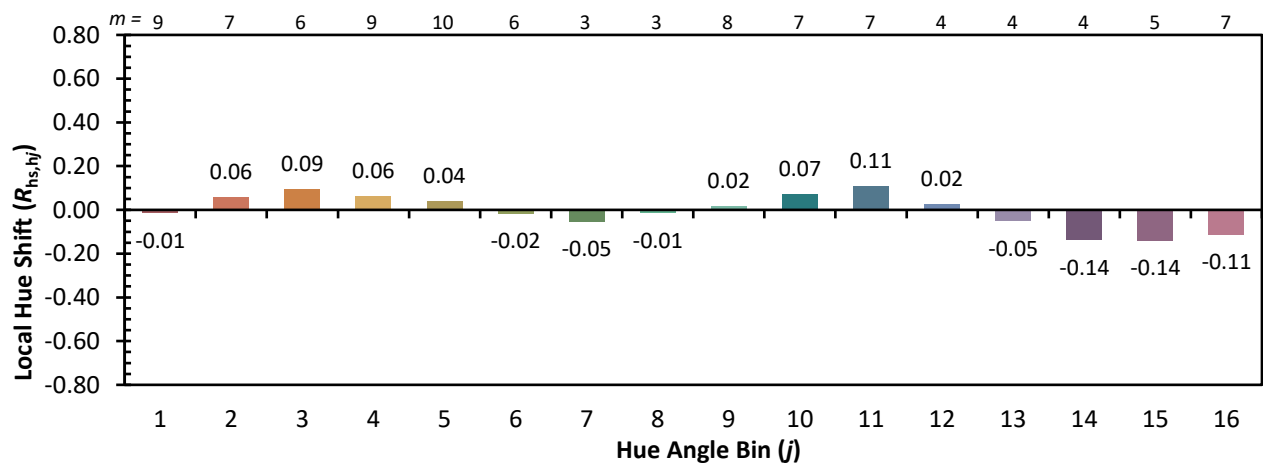
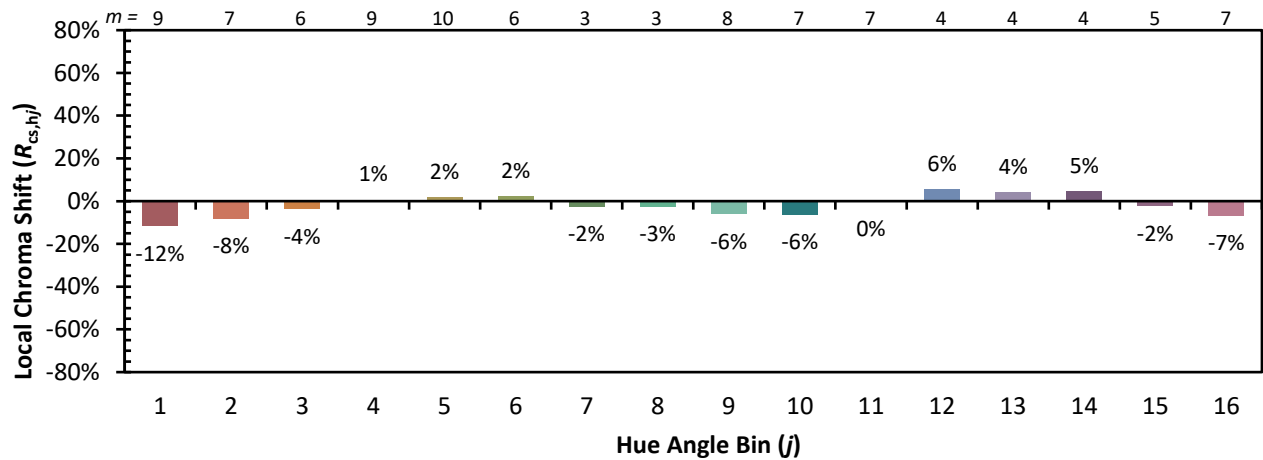
Color Vector Graphics

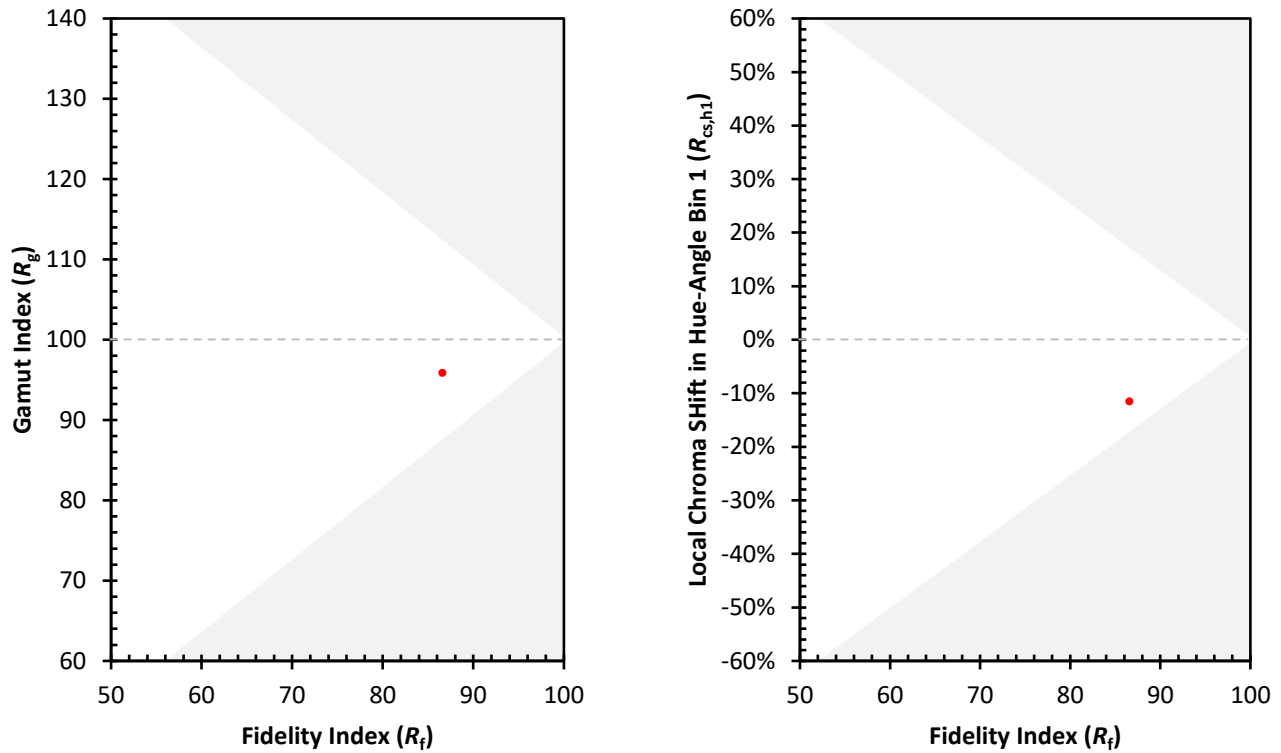


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin


Measure Comparisons


(END OF REPORT)