

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: P1047975

Luminaire Tested: **GALN-SA7C-835-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047975
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7C-835-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 7xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (98) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34660.5 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 330
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



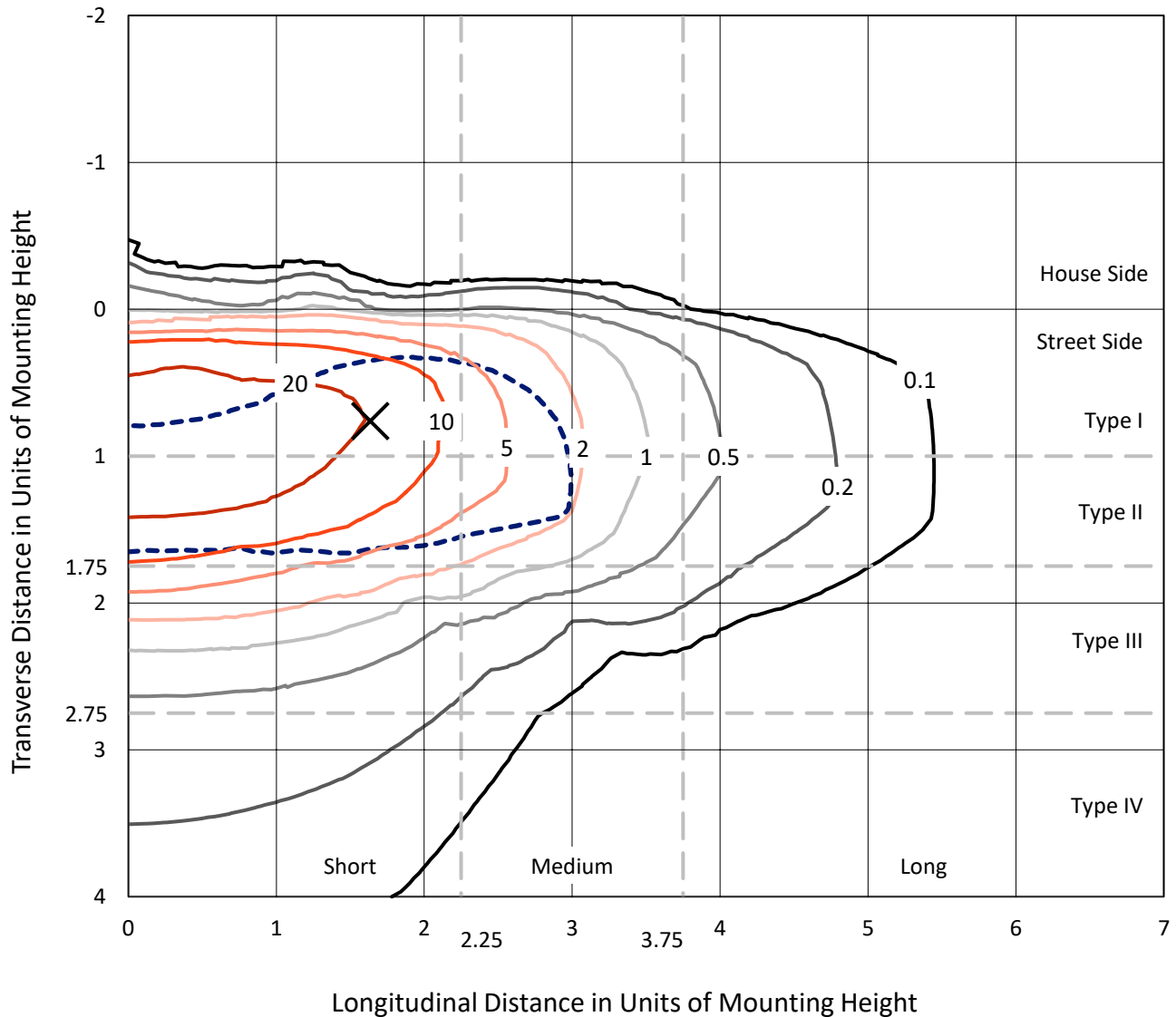
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CATALOG NUMBER: GALN-SA7C-835-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

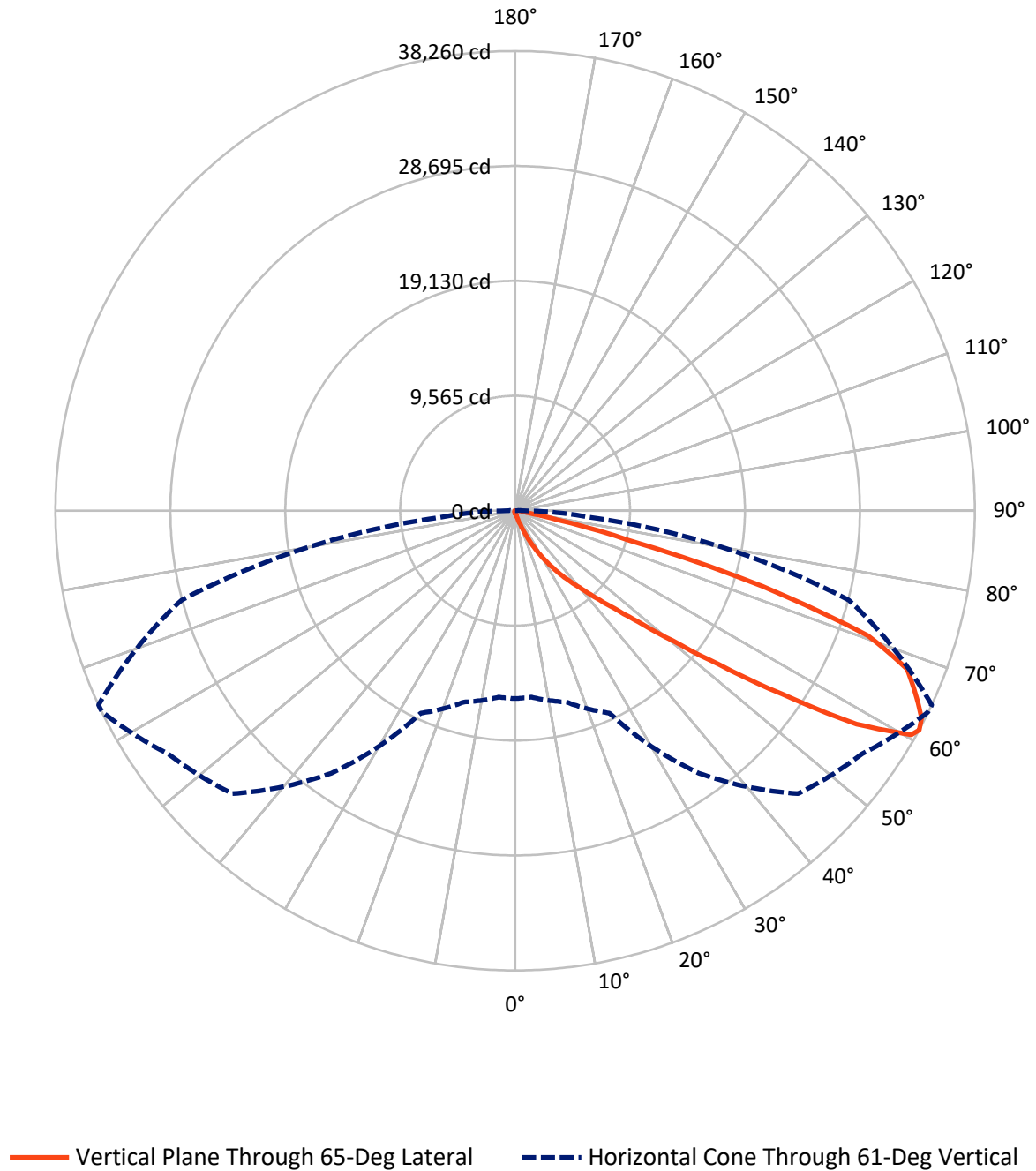


Based on 15 foot mounting height. Maximum calculated value = 45.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	148.0	0.0	148.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	34512.5	0.0	34512.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	34660.5	0.0	34660.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	0.1
10°-20°	285.0	0.8
20°-30°	1022.9	3.0
30°-40°	2723.3	7.9
40°-50°	7154.1	20.6
50°-60°	11083.1	32.0
60°-70°	9293.0	26.8
70°-80°	2734.8	7.9
80°-90°	337.4	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°	34660.5	100.0
0°-180°	34660.5	100.0



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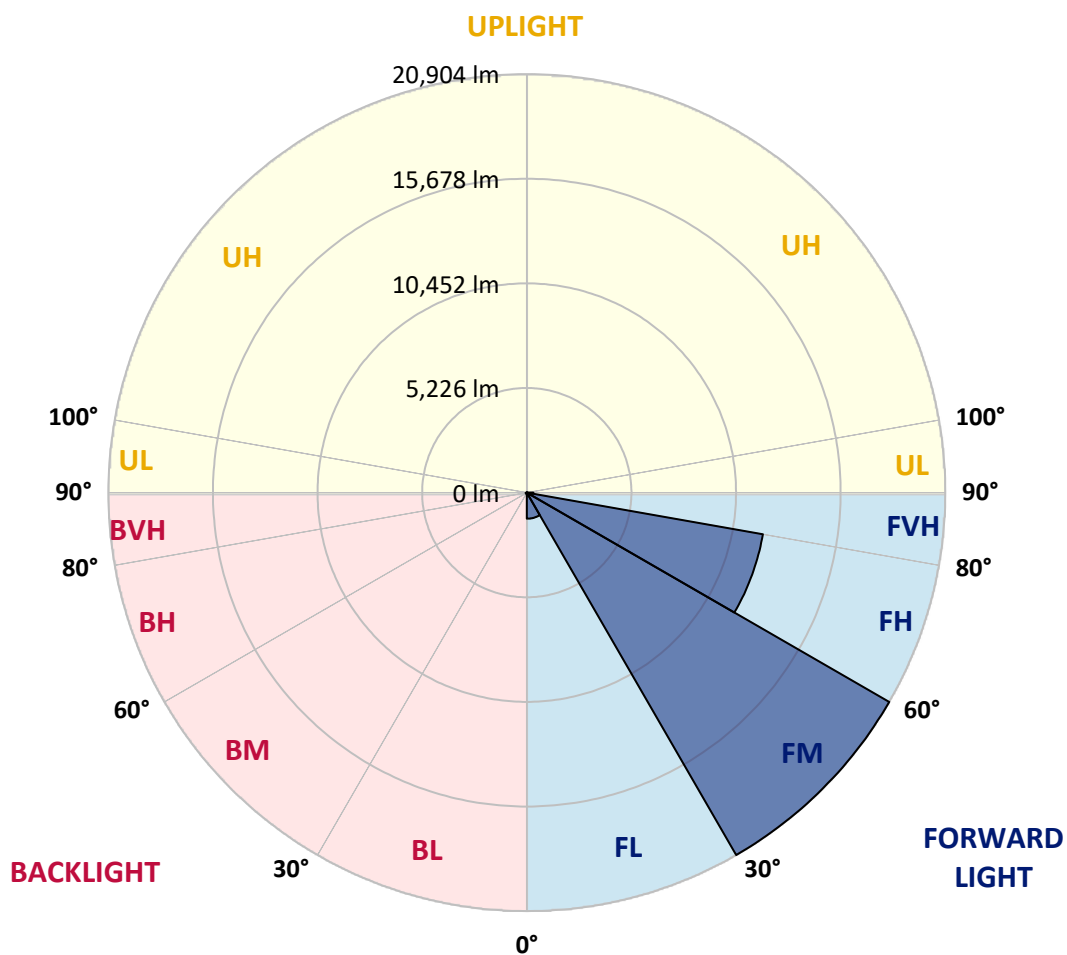
CATALOG NUMBER: GALN-SA7C-835-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1301.7	3.8			
FM	(30°-60°)	20904.2	60.3			
FH	(60°-80°)	11975.6	34.6			G4/12000
FVH	(80°-90°)	331.1	1.0			G3/500
BL	(0°-30°)	33.2	0.1	B0/110		
BM	(30°-60°)	56.3	0.2	B0/220		
BH	(60°-80°)	52.2	0.2	B0/110		G0/110
BVH	(80°-90°)	6.3	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2
2.5°	257.5	259.9	255.1	245.6	238.4	238.4	236.0	228.9	228.9	221.7	217.0
5°	360.0	355.3	345.7	326.6	310.0	293.3	276.6	259.9	257.5	236.0	221.7
7.5°	588.9	593.7	562.7	503.1	453.0	388.6	329.0	293.3	288.5	252.7	224.1
10°	1292.3	1256.5	1185.0	953.7	784.4	591.3	438.7	341.0	336.2	271.8	228.9
12.5°	2355.7	2327.0	2195.9	1957.5	1521.2	1058.6	641.4	422.0	407.7	288.5	231.3
15°	3395.2	3349.9	3278.4	3037.6	2527.3	1897.9	1049.1	577.0	538.8	312.3	228.9
17.5°	4058.0	4065.2	4000.8	3898.3	3569.2	2808.7	1812.0	860.7	786.8	355.3	224.1
20°	4637.4	4620.7	4656.5	4601.6	4370.4	3817.2	2637.0	1363.8	1237.4	424.4	226.5
22.5°	5305.0	5345.5	5371.8	5359.8	5104.7	4632.6	3574.0	2040.9	1881.2	550.8	233.7
25°	6199.1	6194.3	6196.7	6165.7	5917.8	5393.2	4513.4	2882.6	2720.4	755.8	250.3
27.5°	7136.1	7164.7	7176.6	7064.6	6740.3	6225.3	5383.7	3802.9	3612.2	1084.8	271.8
30°	8416.5	8392.6	8337.8	8108.9	7715.5	7076.5	6242.0	4768.5	4568.3	1545.0	305.2
32.5°	10142.7	10116.4	9839.9	9334.4	8745.5	7963.5	7105.1	5736.5	5493.4	2119.6	350.5
35°	12987.1	13027.6	12348.1	11039.2	9982.9	9029.2	8061.2	6699.8	6485.2	2827.7	412.5
37.5°	17343.2	17121.4	16198.7	13886.0	11611.4	10359.6	8974.4	7672.6	7486.6	3700.4	493.5
40°	21575.2	21355.9	21088.8	18897.7	14441.5	11826.0	10252.4	8814.6	8573.8	4685.1	612.8
42.5°	26024.3	25902.7	25890.8	24238.5	19605.8	14131.6	11790.2	10152.2	9947.2	5765.2	808.3
45°	29176.3	29054.7	29309.8	29598.3	26639.4	19071.8	14467.7	11890.3	11592.3	7076.5	1120.6
47.5°	29600.7	29605.5	30287.4	31191.0	31865.7	26713.3	18034.6	14193.5	13831.1	8952.9	1645.1
50°	28189.2	28244.0	29328.9	30945.4	32762.2	33124.6	24324.3	17536.3	16999.8	11177.4	2389.0
52.5°	25502.1	25564.1	27075.7	29734.2	31937.3	34664.9	31729.8	21909.0	21291.5	13952.7	3438.1
55°	23082.1	23120.2	24853.6	28213.0	30943.0	33828.0	36126.4	27748.1	26937.5	17367.0	4472.9
57.5°	20685.9	20597.7	21725.4	25571.3	30773.7	32800.4	36774.9	34402.6	33508.5	21098.4	5278.8
60°	17481.5	17333.6	18239.6	20685.9	28546.8	33475.1	35561.4	38083.9	37881.2	26293.7	5901.1
61°	15638.4	15576.4	16487.2	18585.4	26672.8	33303.5	35270.5	38238.9	38260.3	28751.9	6180.0
62.5°	11167.9	11344.3	12736.8	15464.4	22340.6	32190.0	35308.6	37759.6	37971.8	32018.3	6902.5
65°	4964.0	5247.8	6330.2	8550.0	12991.9	26777.7	34970.1	36708.2	36603.3	32914.8	9391.6
67.5°	2944.6	2987.5	3526.3	4844.8	6881.0	14403.4	30859.6	35318.2	35177.5	28654.1	11685.3
70°	2319.9	2341.4	2513.0	3039.9	3993.6	5517.2	17612.6	30556.8	31169.5	23234.7	11439.7
72.5°	2200.7	2195.9	2219.8	2312.7	2515.4	2737.1	6819.0	20311.6	21558.5	16732.8	9591.9
75°	2172.1	2162.5	2138.7	2102.9	1821.6	1611.8	2112.5	8983.9	9706.4	11432.6	7221.9
77.5°	2107.7	2110.1	2114.8	2017.1	1561.7	1139.7	1022.9	2882.6	3545.4	7255.3	5133.3
80°	1425.8	1447.3	1483.0	1444.9	1404.3	825.0	722.4	1025.2	1039.5	4072.3	3390.4
82.5°	722.4	722.4	705.7	629.4	543.6	536.5	574.6	743.9	753.4	2060.0	1595.1
85°	436.3	460.2	469.7	426.8	391.0	360.0	438.7	591.3	612.8	798.7	371.9
87.5°	97.8	100.1	109.7	145.4	212.2	288.5	407.7	541.2	550.8	512.6	45.3
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-SA7C-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2
2.5°	214.6	209.8	207.4	200.3	193.1	186.0	181.2	178.8	181.2	183.6	183.6
5°	212.2	205.0	193.1	181.2	171.7	162.1	152.6	150.2	150.2	152.6	152.6
7.5°	212.2	200.3	183.6	169.3	155.0	140.7	133.5	128.8	131.1	131.1	131.1
10°	212.2	197.9	176.4	155.0	138.3	121.6	109.7	104.9	104.9	104.9	104.9
12.5°	209.8	195.5	169.3	143.1	119.2	100.1	85.8	78.7	81.1	81.1	81.1
15°	205.0	188.4	159.7	121.6	95.4	76.3	62.0	54.8	57.2	62.0	64.4
17.5°	197.9	181.2	143.1	102.5	76.3	57.2	42.9	38.1	40.5	47.7	47.7
20°	195.5	174.1	126.4	83.4	57.2	40.5	28.6	23.8	26.2	35.8	38.1
22.5°	195.5	169.3	114.4	69.1	42.9	26.2	16.7	9.5	9.5	16.7	16.7
25°	197.9	166.9	104.9	57.2	31.0	19.1	9.5	4.8	9.5	26.2	31.0
27.5°	202.7	164.5	100.1	47.7	23.8	16.7	7.2	16.7	28.6	28.6	28.6
30°	207.4	159.7	93.0	40.5	21.5	11.9	11.9	23.8	23.8	28.6	31.0
32.5°	214.6	157.4	88.2	35.8	16.7	9.5	16.7	14.3	14.3	16.7	19.1
35°	228.9	159.7	83.4	35.8	16.7	11.9	14.3	7.2	4.8	4.8	4.8
37.5°	248.0	162.1	76.3	31.0	14.3	14.3	7.2	0.0	0.0	0.0	0.0
40°	279.0	169.3	71.5	28.6	11.9	11.9	2.4	0.0	0.0	0.0	0.0
42.5°	331.4	183.6	69.1	26.2	11.9	9.5	0.0	0.0	0.0	0.0	0.0
45°	436.3	217.0	64.4	23.8	11.9	4.8	0.0	0.0	0.0	0.0	0.0
47.5°	627.1	295.6	62.0	19.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	915.6	400.6	59.6	16.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1168.3	422.0	40.5	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1196.9	290.9	31.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	953.7	188.4	26.2	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	722.4	143.1	23.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	693.8	128.8	23.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	765.3	112.1	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1244.6	93.0	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2162.5	81.1	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2732.4	76.3	14.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2381.9	69.1	14.3	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	1432.9	59.6	14.3	9.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	751.0	45.3	14.3	11.9	7.2	2.4	0.0	0.0	0.0	0.0	0.0
80°	364.8	40.5	16.7	11.9	9.5	4.8	0.0	0.0	0.0	0.0	0.0
82.5°	143.1	33.4	19.1	16.7	11.9	7.2	2.4	0.0	0.0	0.0	0.0
85°	64.4	28.6	21.5	19.1	16.7	9.5	2.4	0.0	0.0	0.0	0.0
87.5°	33.4	26.2	23.8	21.5	16.7	11.9	4.8	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

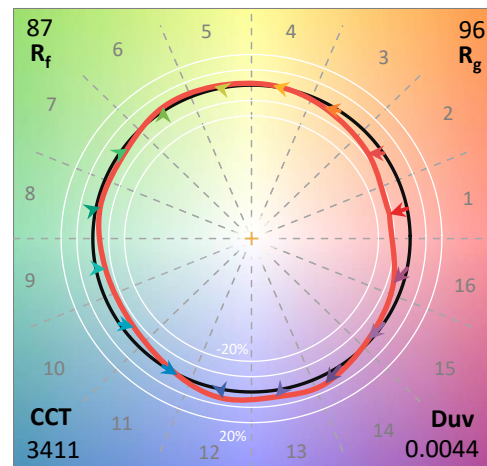
Test Information

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

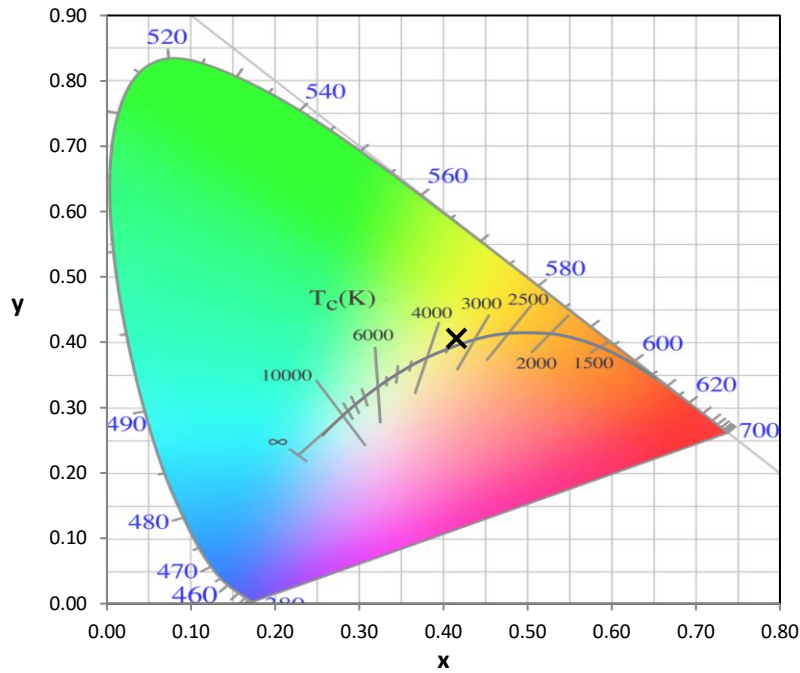
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

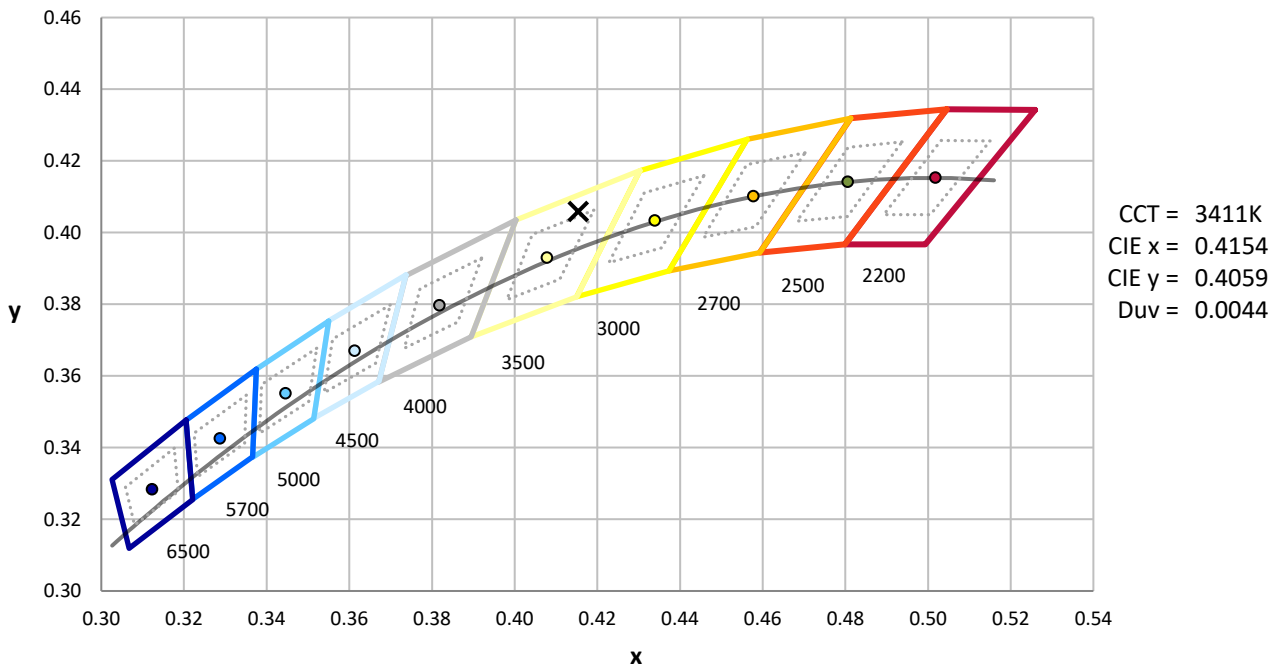
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



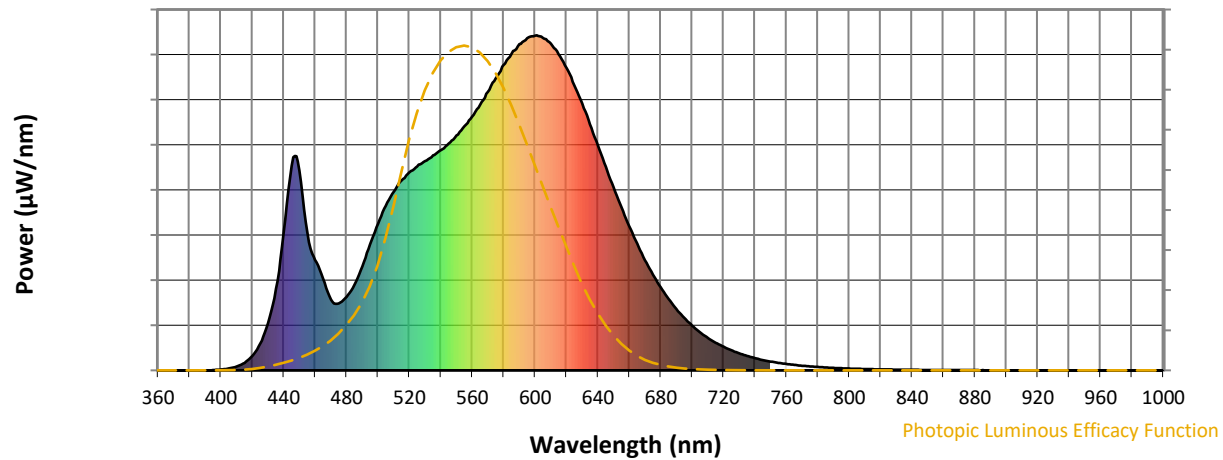
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

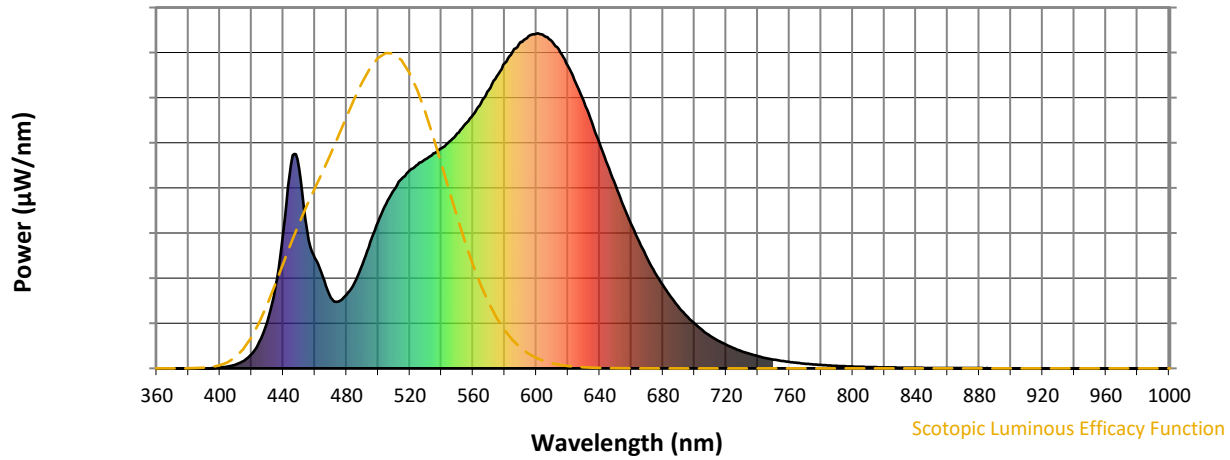


Photopic Lumens: NR

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



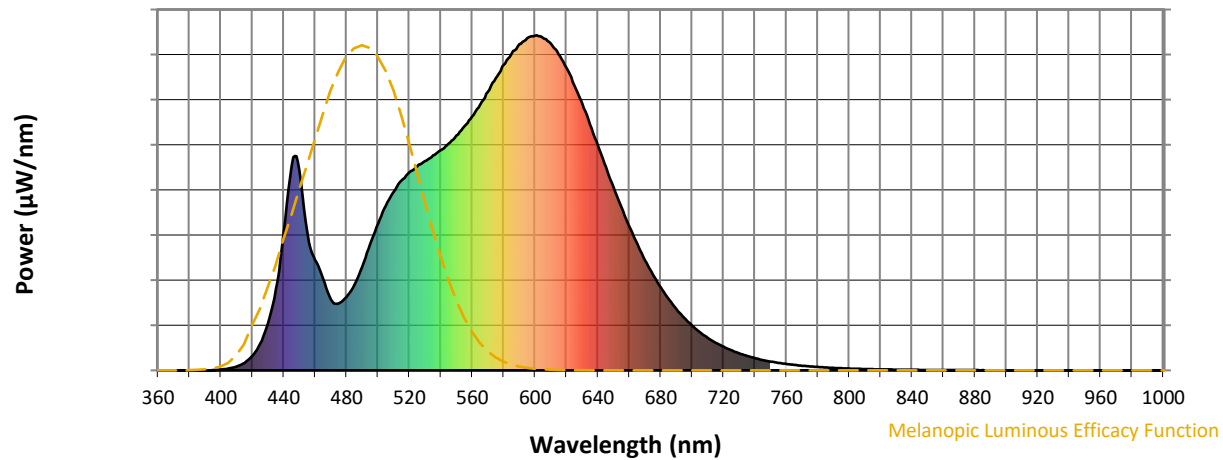
Scotopic Lumens: NR

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

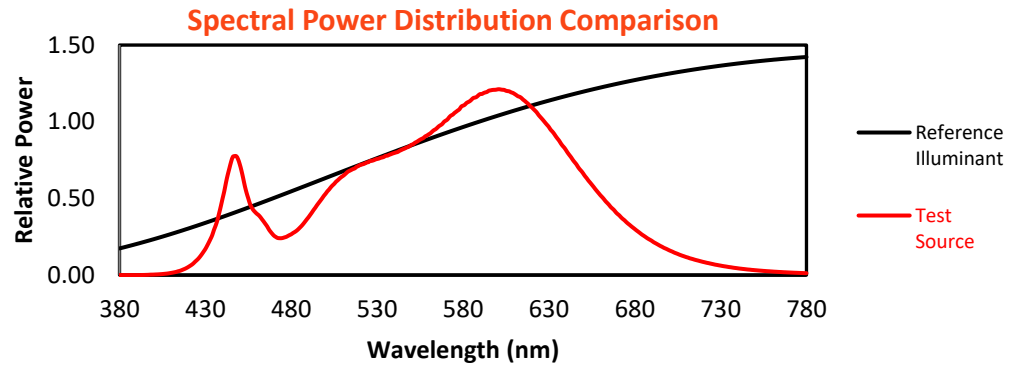
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	NR	620	903	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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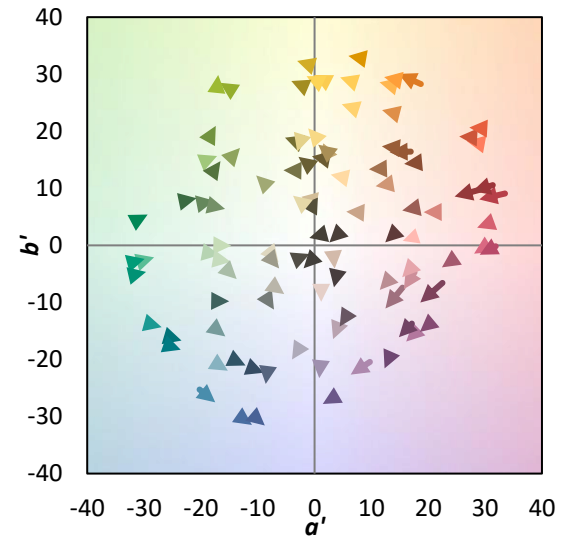
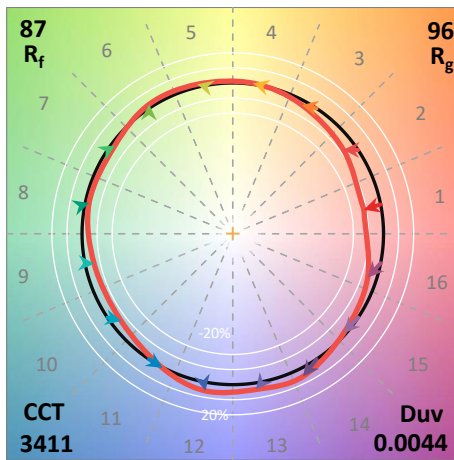
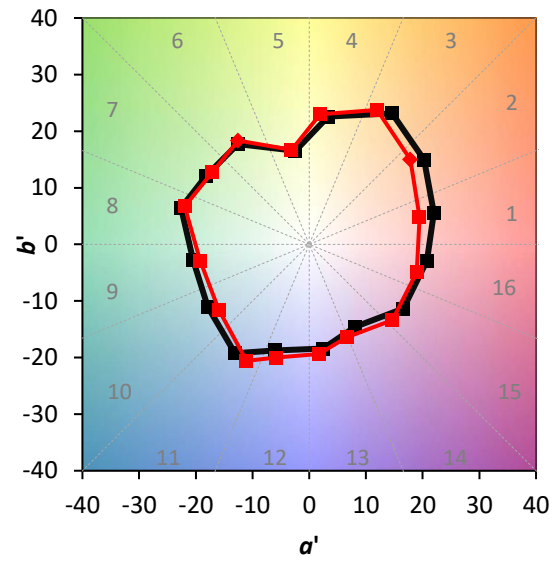
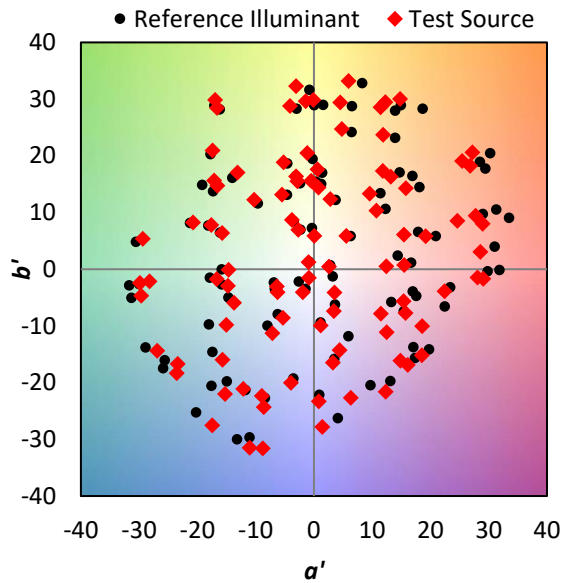
TM-30-18

Summary

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

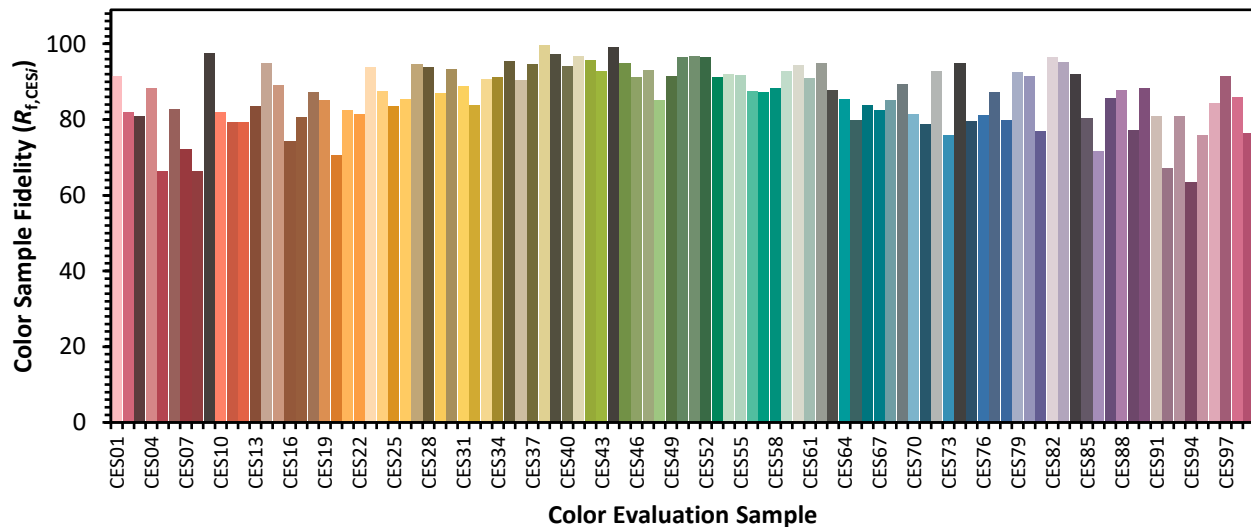


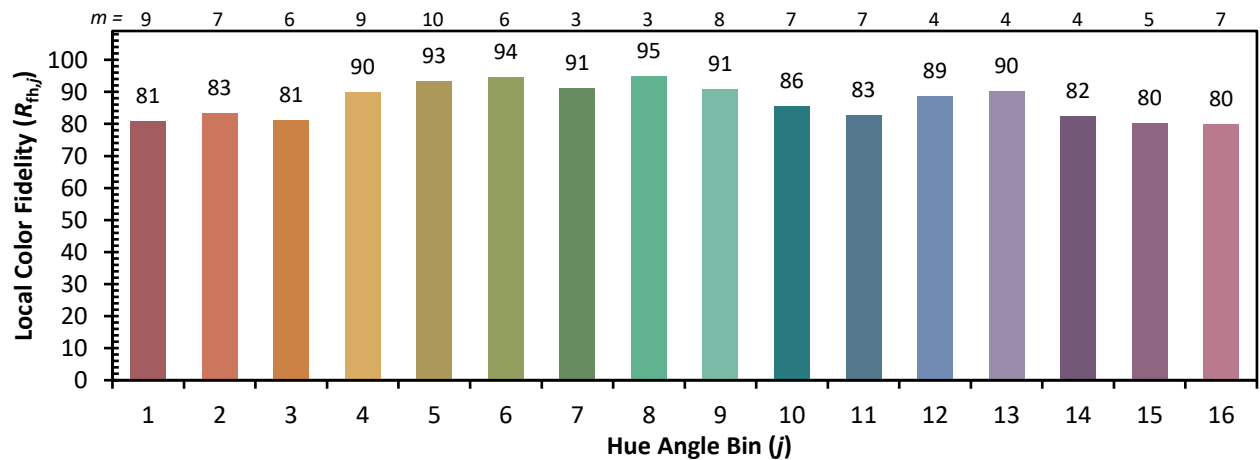
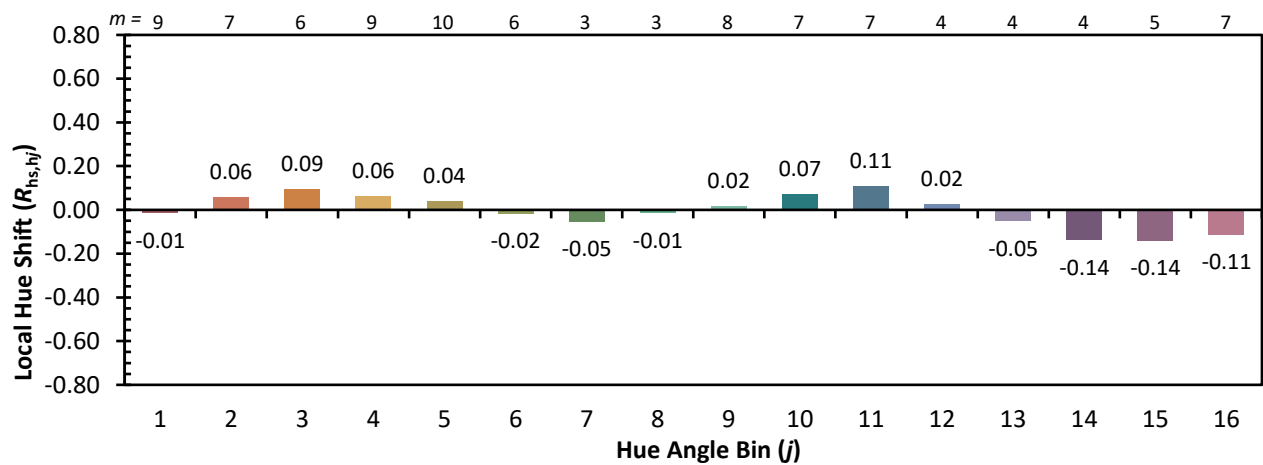
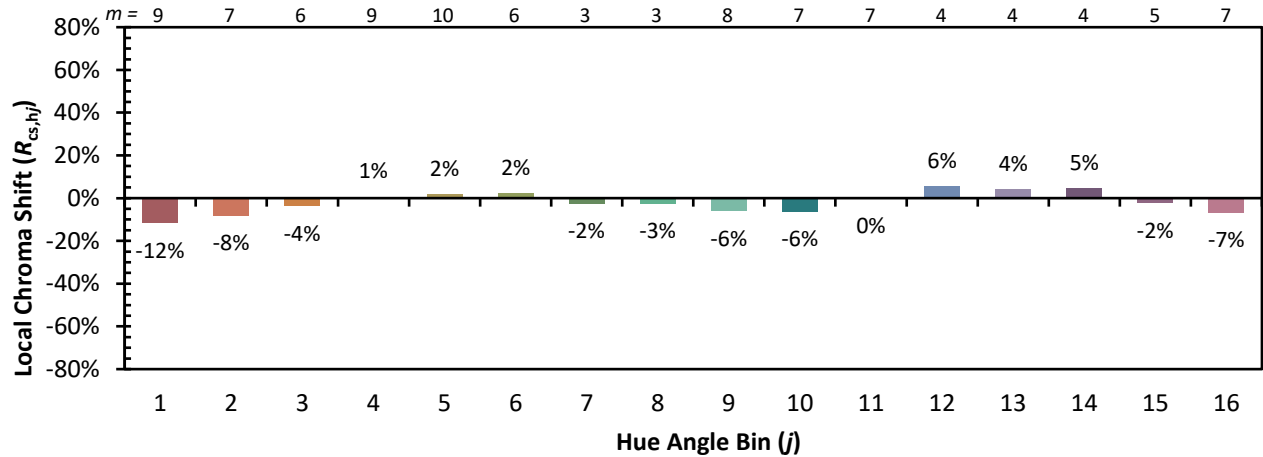
Color Vector Graphics

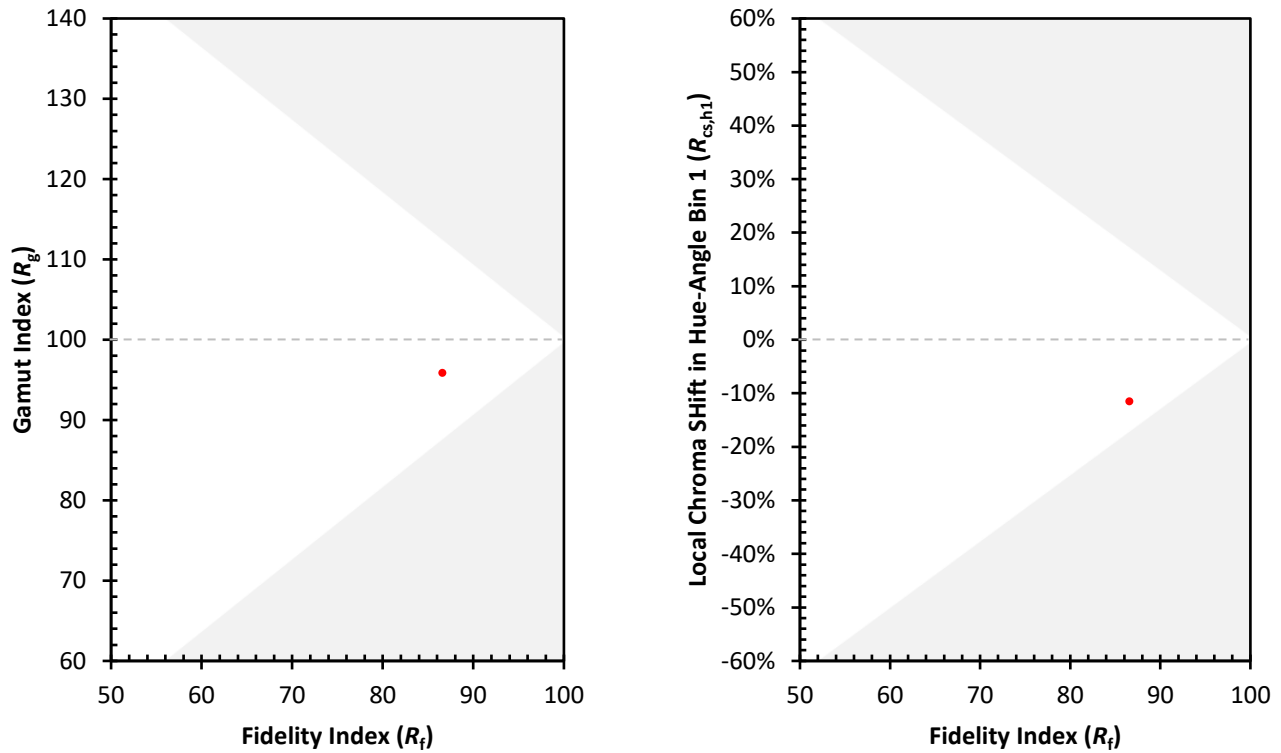


Individual Sample Fidelity Index ($R_{f,i}$)

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)