

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: P1048003

Luminaire Tested: **GALN-SA5C-840-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048003
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5C-840-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25169 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 236
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



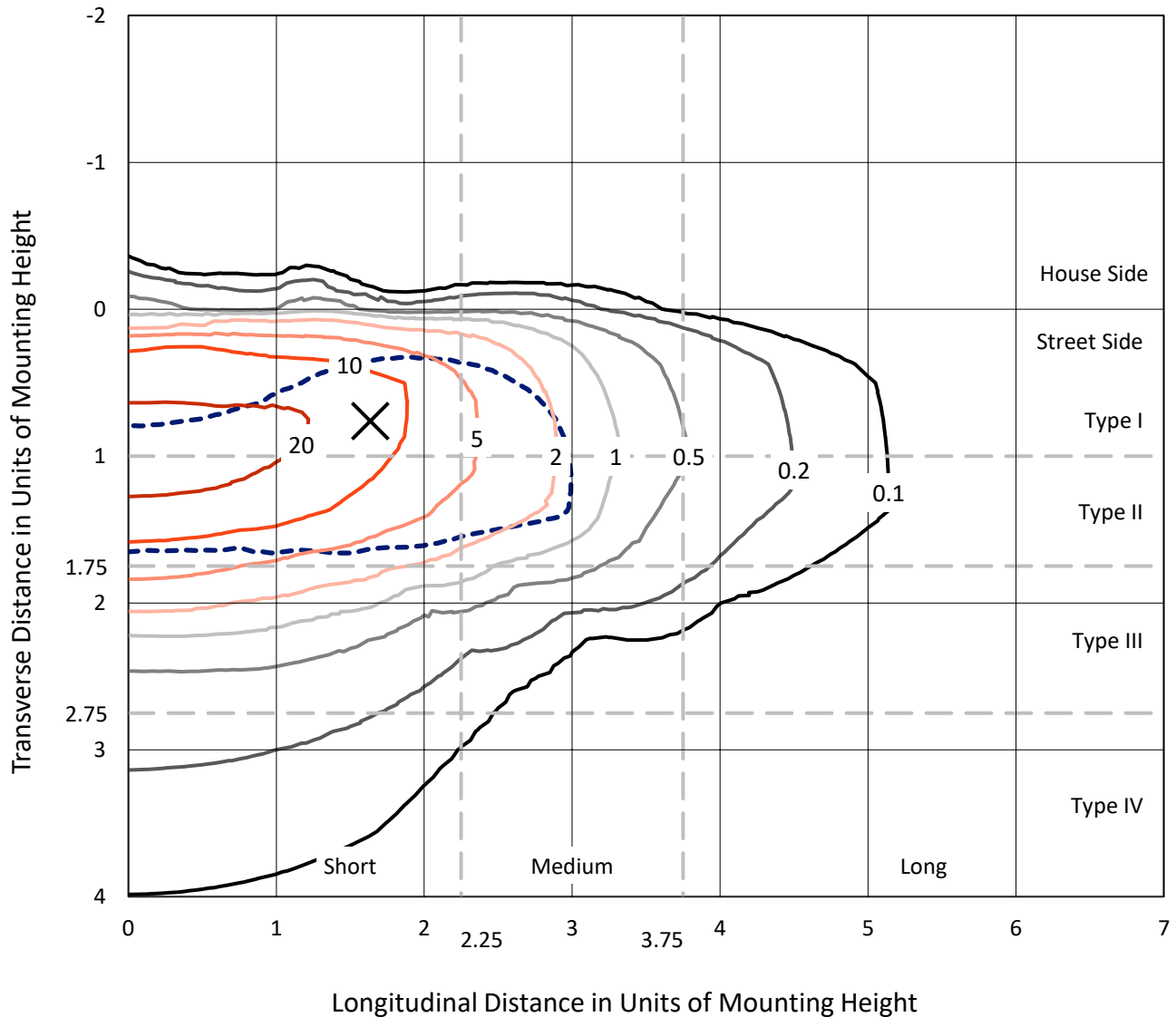
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CATALOG NUMBER: GALN-SA5C-840-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

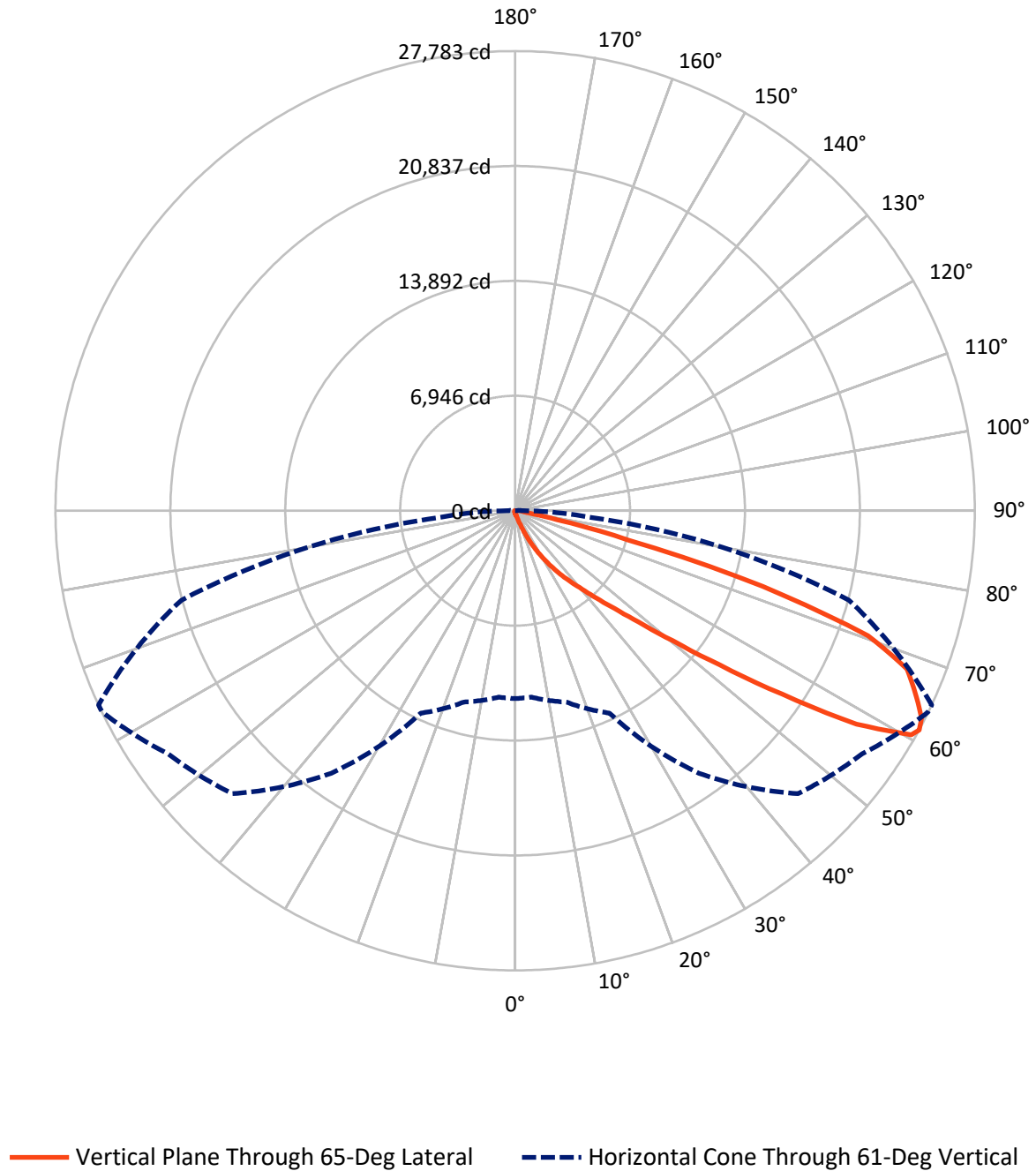


Based on 15 foot mounting height. Maximum calculated value = 33.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



REPORT NUMBER: P1048003

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	107.4	0.0	107.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	25061.5	0.0	25061.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	25169.0	0.0	25169.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.1
10°-20°	207.0	0.8
20°-30°	742.8	3.0
30°-40°	1977.5	7.9
40°-50°	5195.0	20.6
50°-60°	8048.1	32.0
60°-70°	6748.2	26.8
70°-80°	1985.9	7.9
80°-90°	245.0	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°	25169.0	100.0
0°-180°	25169.0	100.0



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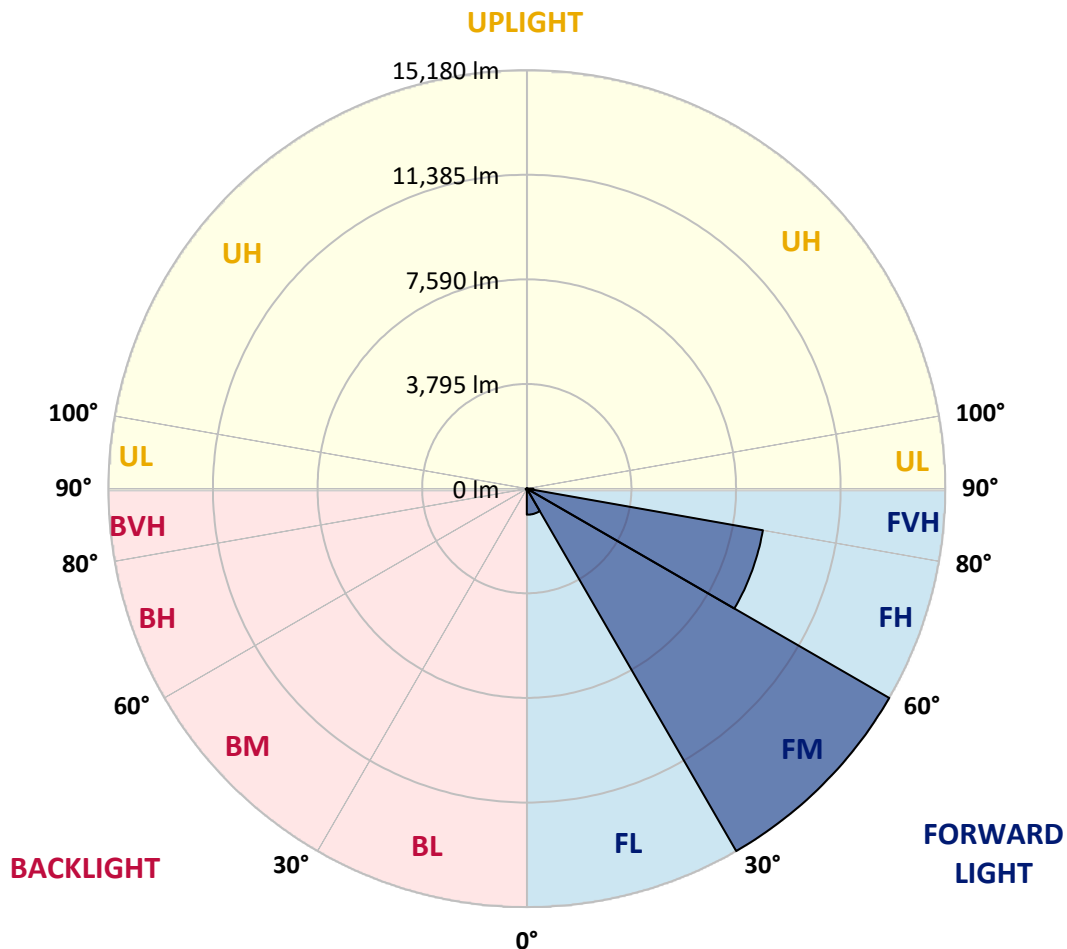
CATALOG NUMBER: GALN-SA5C-840-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	945.2	3.8			
FM	(30°-60°)	15179.7	60.3			
FH	(60°-80°)	8696.1	34.6			G4/12000
FVH	(80°-90°)	240.4	1.0			G3/500
BL	(0°-30°)	24.1	0.1	B0/110		
BM	(30°-60°)	40.9	0.2	B0/220		
BH	(60°-80°)	37.9	0.2	B0/110		G0/110
BVH	(80°-90°)	4.5	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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CATALOG NUMBER: GALN-SA5C-840-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1
2.5°	187.0	188.7	185.3	178.3	173.1	173.1	171.4	166.2	166.2	161.0	157.6
5°	261.4	258.0	251.0	237.2	225.1	213.0	200.8	188.7	187.0	171.4	161.0
7.5°	427.6	431.1	408.6	365.3	329.0	282.2	238.9	213.0	209.5	183.5	162.7
10°	938.4	912.4	860.5	692.5	569.6	429.4	318.6	247.6	244.1	197.4	166.2
12.5°	1710.6	1689.8	1594.6	1421.4	1104.6	768.7	465.7	306.4	296.1	209.5	167.9
15°	2465.4	2432.6	2380.6	2205.7	1835.2	1378.2	761.8	419.0	391.3	226.8	166.2
17.5°	2946.8	2952.0	2905.2	2830.8	2591.8	2039.5	1315.8	625.0	571.3	258.0	162.7
20°	3367.5	3355.4	3381.3	3341.5	3173.6	2771.9	1914.9	990.3	898.6	308.2	164.5
22.5°	3852.3	3881.7	3900.7	3892.1	3706.8	3364.0	2595.3	1482.0	1366.0	399.9	169.7
25°	4501.5	4498.1	4499.8	4477.3	4297.2	3916.3	3277.5	2093.2	1975.5	548.8	181.8
27.5°	5181.9	5202.7	5211.4	5130.0	4894.5	4520.6	3909.4	2761.5	2623.0	787.8	197.4
30°	6111.7	6094.4	6054.5	5888.3	5602.7	5138.7	4532.7	3462.7	3317.3	1121.9	221.6
32.5°	7365.2	7346.1	7145.3	6778.3	6350.6	5782.7	5159.4	4165.6	3989.0	1539.2	254.5
35°	9430.7	9460.1	8966.7	8016.2	7249.2	6556.6	5853.7	4865.1	4709.3	2053.4	299.5
37.5°	12593.9	12432.9	11762.8	10083.4	8431.7	7522.7	6516.8	5571.5	5436.5	2687.1	358.4
40°	15667.0	15507.7	15313.8	13722.7	10486.8	8587.5	7444.8	6400.8	6226.0	3402.1	445.0
42.5°	18897.7	18809.4	18800.8	17601.0	14236.9	10261.7	8561.5	7372.1	7223.2	4186.4	586.9
45°	21186.6	21098.3	21283.5	21493.0	19344.4	13849.1	10505.9	8634.3	8417.8	5138.7	813.7
47.5°	21494.8	21498.2	21993.4	22649.6	23139.6	19398.1	13096.0	10306.8	10043.6	6501.2	1194.6
50°	20469.8	20509.6	21297.4	22471.3	23790.5	24053.7	17663.3	12734.1	12344.6	8116.6	1734.8
52.5°	18518.6	18563.6	19661.3	21591.7	23191.5	25172.2	23040.9	15909.4	15461.0	10131.9	2496.6
55°	16761.2	16788.9	18047.6	20487.1	22469.5	24564.5	26233.5	20149.5	19560.8	12611.2	3248.0
57.5°	15021.2	14957.2	15776.1	18568.8	22346.6	23818.2	26704.4	24981.7	24332.5	15320.8	3833.2
60°	12694.3	12586.9	13244.9	15021.2	20729.5	24308.2	25823.2	27654.9	27507.8	19093.4	4285.1
61°	11356.0	11310.9	11972.3	13495.9	19368.7	24183.6	25611.9	27767.5	27783.1	20878.4	4487.7
62.5°	8109.7	8237.8	9248.9	11229.6	16222.8	23375.0	25639.6	27419.5	27573.6	23250.4	5012.3
65°	3604.7	3810.7	4596.7	6208.6	9434.2	19444.8	25393.8	26655.9	26579.8	23901.4	6819.8
67.5°	2138.2	2169.4	2560.7	3518.1	4996.7	10459.1	22408.9	25646.6	25544.4	20807.4	8485.4
70°	1684.6	1700.2	1824.8	2207.5	2900.0	4006.4	12789.5	22189.0	22634.0	16872.1	8307.0
72.5°	1598.0	1594.6	1611.9	1679.4	1826.6	1987.6	4951.7	14749.4	15654.9	12150.6	6965.2
75°	1577.3	1570.3	1553.0	1527.1	1322.8	1170.4	1534.0	6523.7	7048.3	8301.8	5244.3
77.5°	1530.5	1532.2	1535.7	1464.7	1134.0	827.6	742.8	2093.2	2574.5	5268.5	3727.6
80°	1035.4	1050.9	1076.9	1049.2	1019.8	599.0	524.6	744.5	754.9	2957.2	2462.0
82.5°	524.6	524.6	512.5	457.1	394.7	389.6	417.3	540.2	547.1	1495.9	1158.3
85°	316.8	334.2	341.1	309.9	283.9	261.4	318.6	429.4	445.0	580.0	270.1
87.5°	71.0	72.7	79.6	105.6	154.1	209.5	296.1	393.0	399.9	372.2	32.9
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1
2.5°	155.8	152.4	150.6	145.4	140.2	135.0	131.6	129.9	131.6	133.3	133.3
5°	154.1	148.9	140.2	131.6	124.7	117.7	110.8	109.1	109.1	110.8	110.8
7.5°	154.1	145.4	133.3	122.9	112.5	102.1	97.0	93.5	95.2	95.2	95.2
10°	154.1	143.7	128.1	112.5	100.4	88.3	79.6	76.2	76.2	76.2	76.2
12.5°	152.4	142.0	122.9	103.9	86.6	72.7	62.3	57.1	58.9	58.9	58.9
15°	148.9	136.8	116.0	88.3	69.3	55.4	45.0	39.8	41.6	45.0	46.7
17.5°	143.7	131.6	103.9	74.4	55.4	41.6	31.2	27.7	29.4	34.6	34.6
20°	142.0	126.4	91.8	60.6	41.6	29.4	20.8	17.3	19.0	26.0	27.7
22.5°	142.0	122.9	83.1	50.2	31.2	19.0	12.1	6.9	6.9	12.1	12.1
25°	143.7	121.2	76.2	41.6	22.5	13.9	6.9	3.5	6.9	19.0	22.5
27.5°	147.2	119.5	72.7	34.6	17.3	12.1	5.2	12.1	20.8	20.8	20.8
30°	150.6	116.0	67.5	29.4	15.6	8.7	8.7	17.3	17.3	20.8	22.5
32.5°	155.8	114.3	64.1	26.0	12.1	6.9	12.1	10.4	10.4	12.1	13.9
35°	166.2	116.0	60.6	26.0	12.1	8.7	10.4	5.2	3.5	3.5	3.5
37.5°	180.1	117.7	55.4	22.5	10.4	10.4	5.2	0.0	0.0	0.0	0.0
40°	202.6	122.9	51.9	20.8	8.7	8.7	1.7	0.0	0.0	0.0	0.0
42.5°	240.7	133.3	50.2	19.0	8.7	6.9	0.0	0.0	0.0	0.0	0.0
45°	316.8	157.6	46.7	17.3	8.7	3.5	0.0	0.0	0.0	0.0	0.0
47.5°	455.3	214.7	45.0	13.9	5.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	664.8	290.9	43.3	12.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	848.4	306.4	29.4	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	869.1	211.2	22.5	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	692.5	136.8	19.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	524.6	103.9	17.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	503.8	93.5	17.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	555.8	81.4	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	903.8	67.5	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1570.3	58.9	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1984.1	55.4	10.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1729.6	50.2	10.4	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	1040.5	43.3	10.4	6.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	545.4	32.9	10.4	8.7	5.2	1.7	0.0	0.0	0.0	0.0	0.0
80°	264.9	29.4	12.1	8.7	6.9	3.5	0.0	0.0	0.0	0.0	0.0
82.5°	103.9	24.2	13.9	12.1	8.7	5.2	1.7	0.0	0.0	0.0	0.0
85°	46.7	20.8	15.6	13.9	12.1	6.9	1.7	0.0	0.0	0.0	0.0
87.5°	24.2	19.0	17.3	15.6	12.1	8.7	3.5	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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 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-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3897
 CIE u' : 0.2249
 CIE v' : 0.5084
 Duv: 0.0039
 CIE x: 0.3882
 CIE y: 0.3900
 CIE z: 0.2218
 Peak Wavelength (nm): 445
 Dominant Wavelength (nm): 577
 Purity: 33.54925
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



Test Conditions

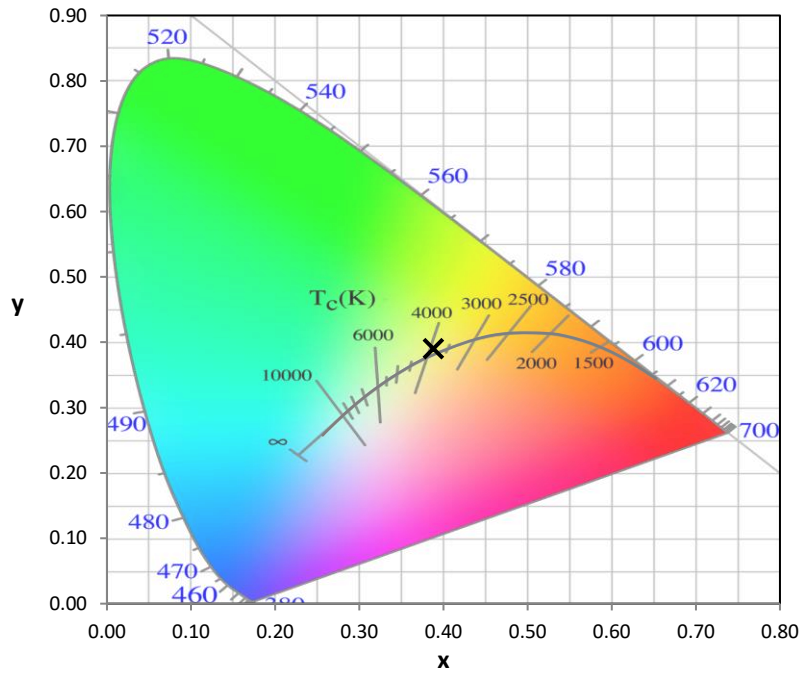
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

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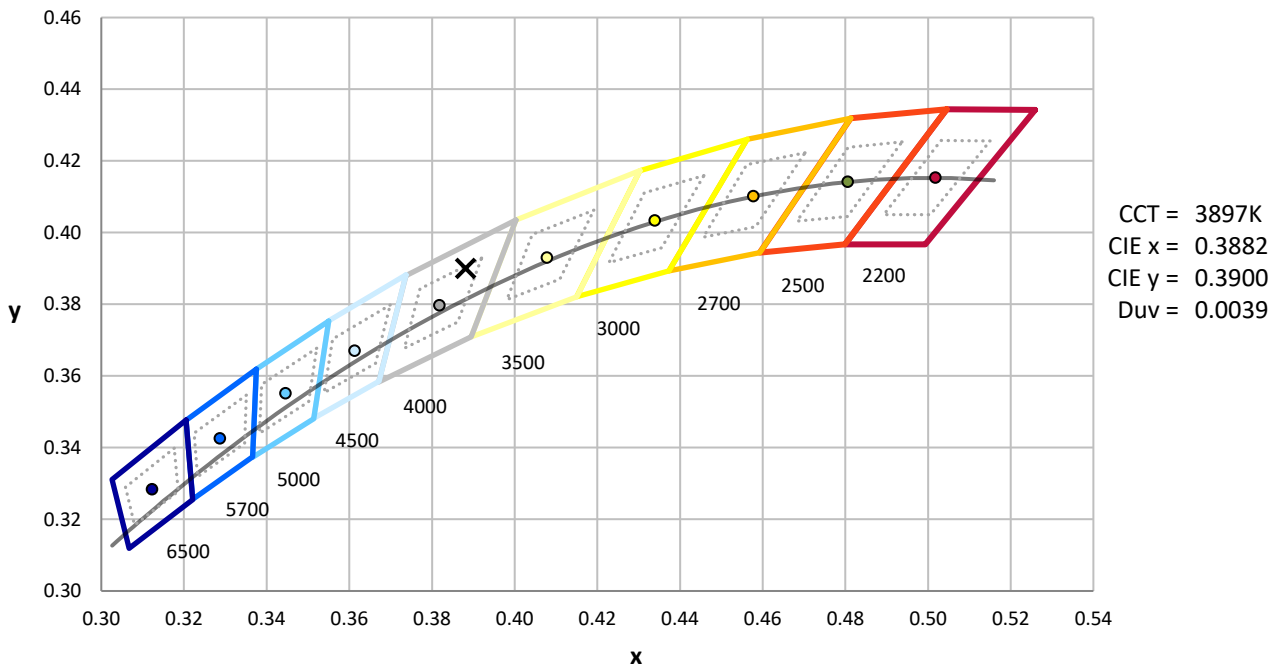
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

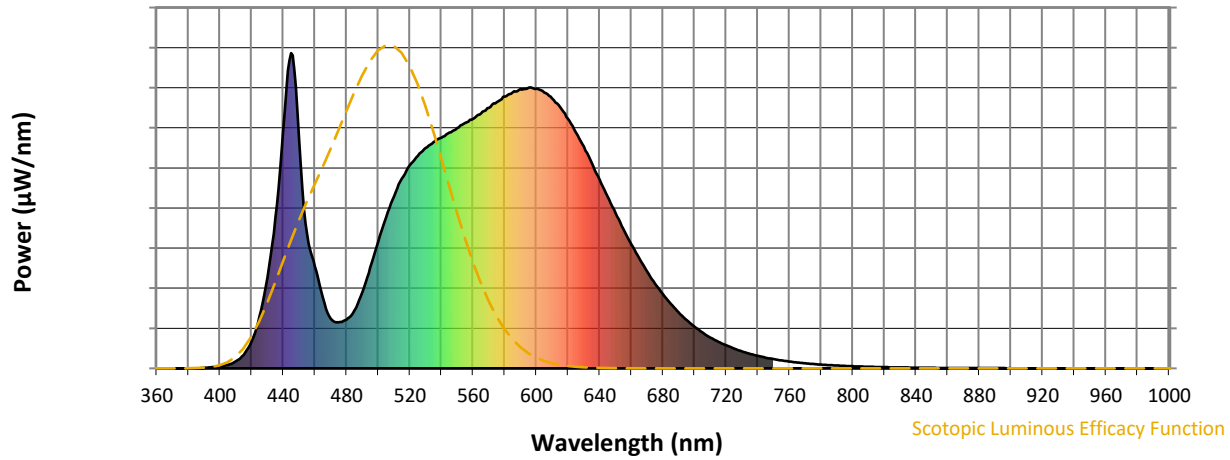


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.57

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.06

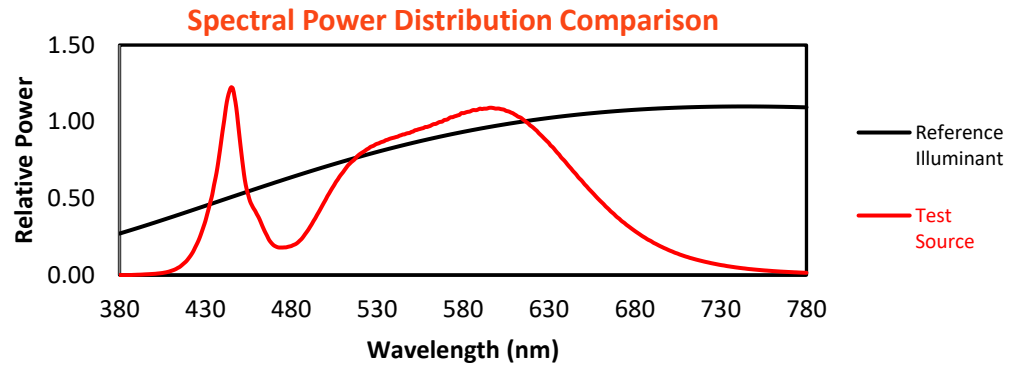
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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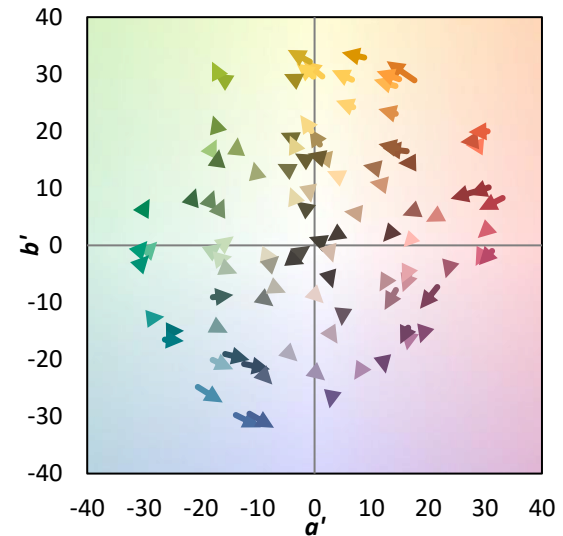
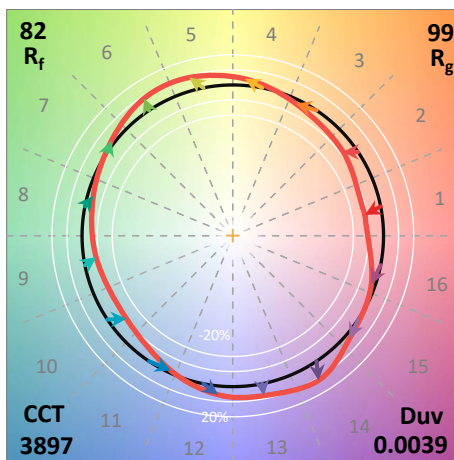
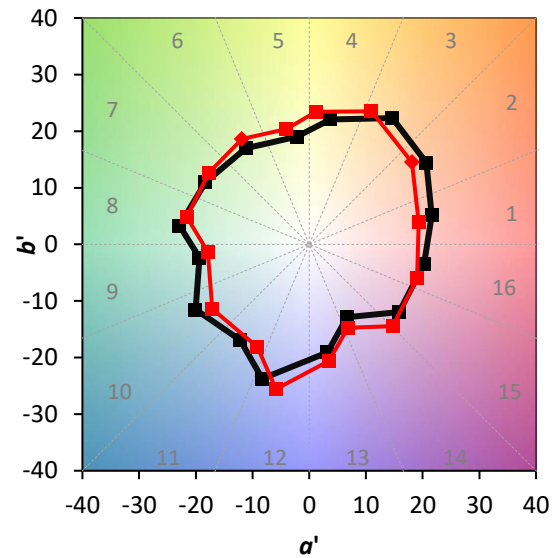
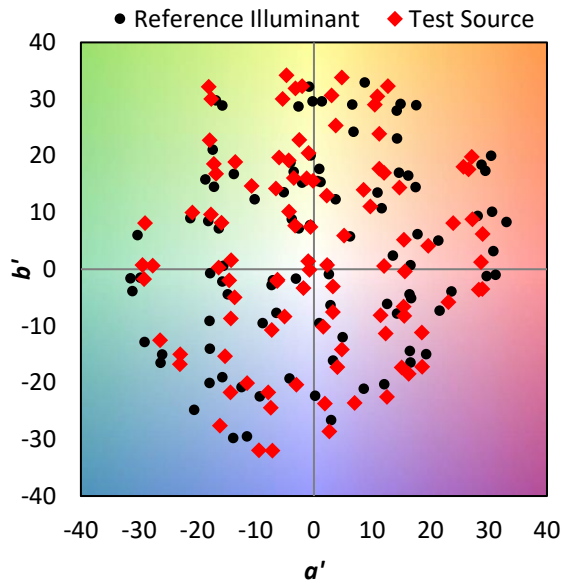
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 $CIE R_a = 80.2$
 $R_9 = 6.7$

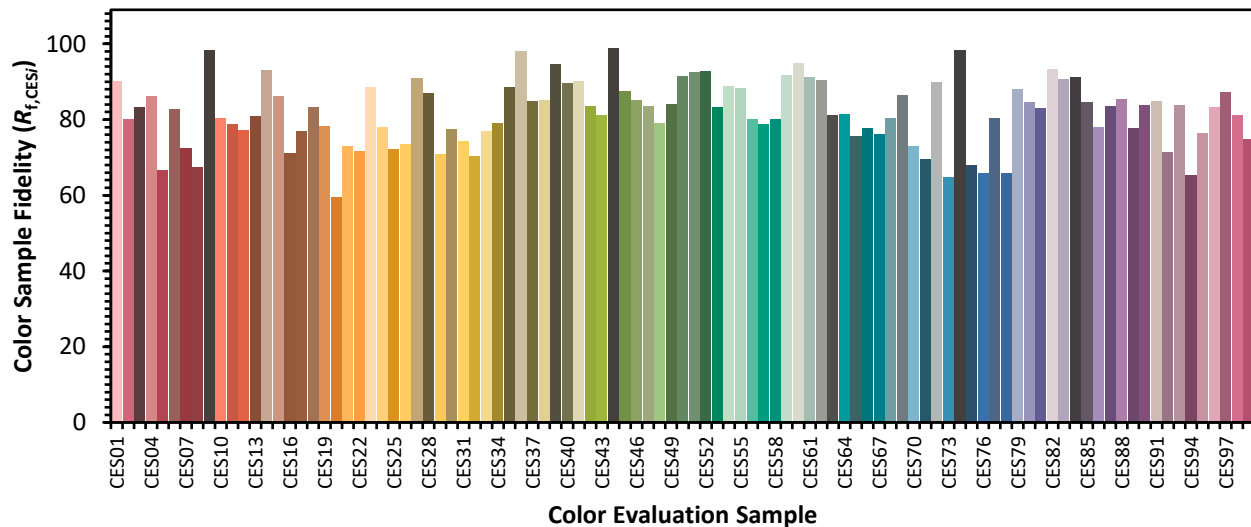


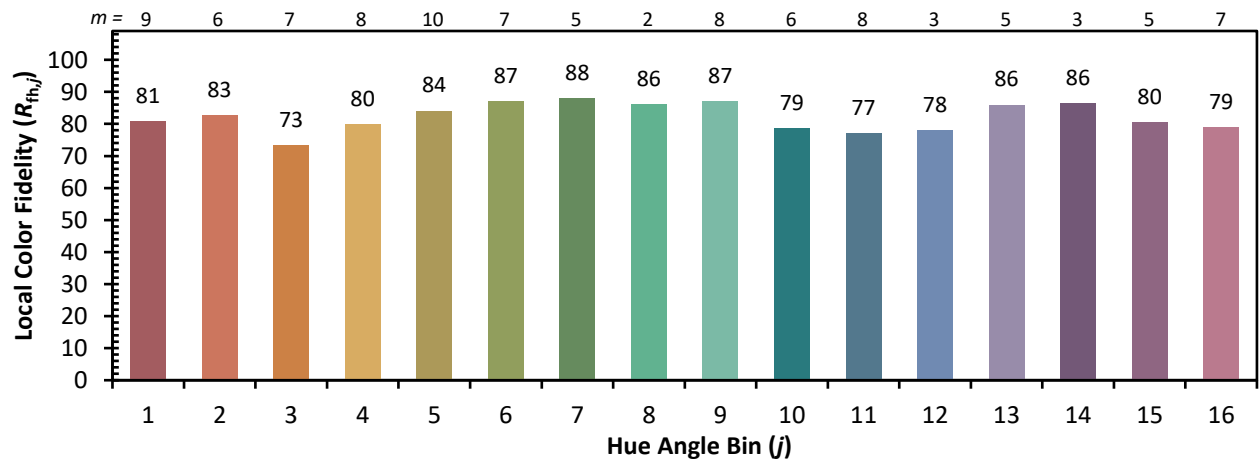
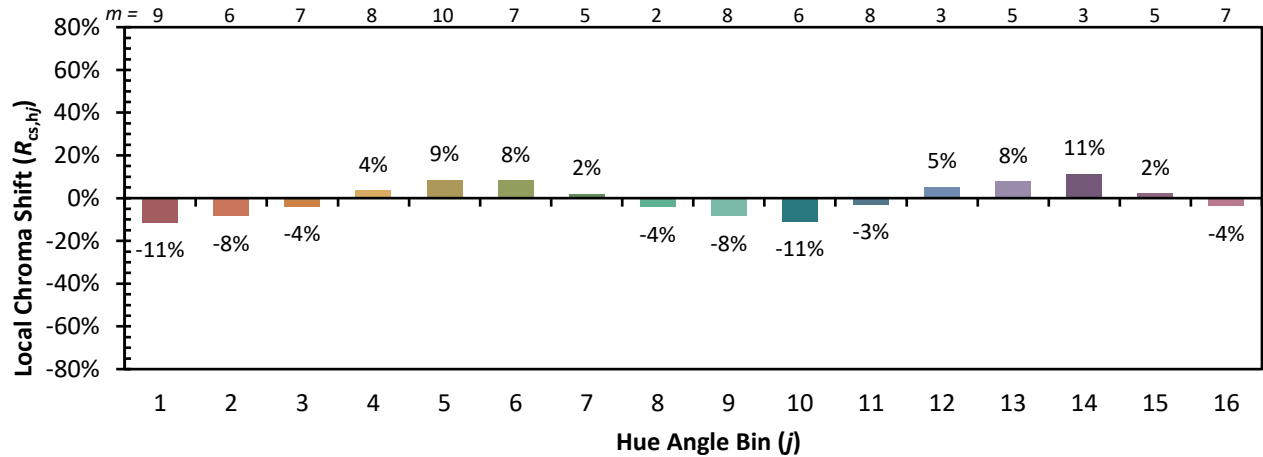
Color Vector Graphics



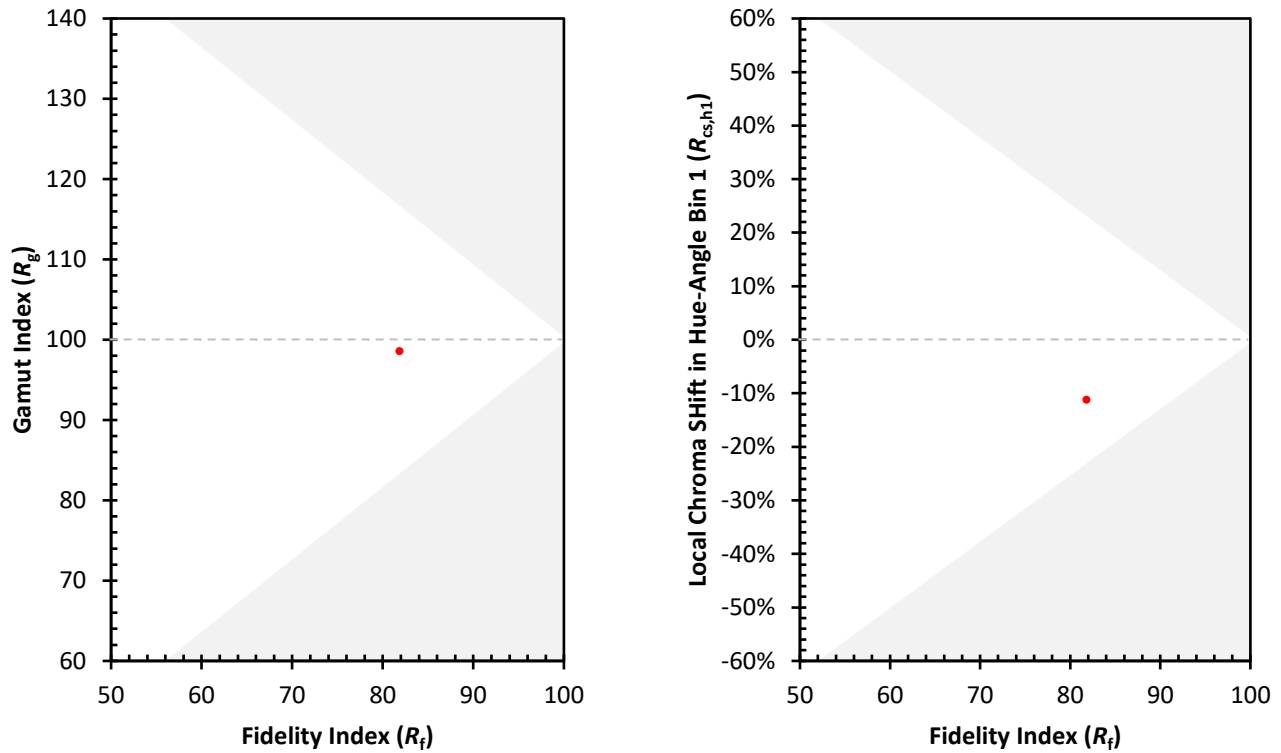
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)