

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: P1047382

Luminaire Tested: **GALN-SA3B-840-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047382
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3B-840-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13433.1 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 106.2
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



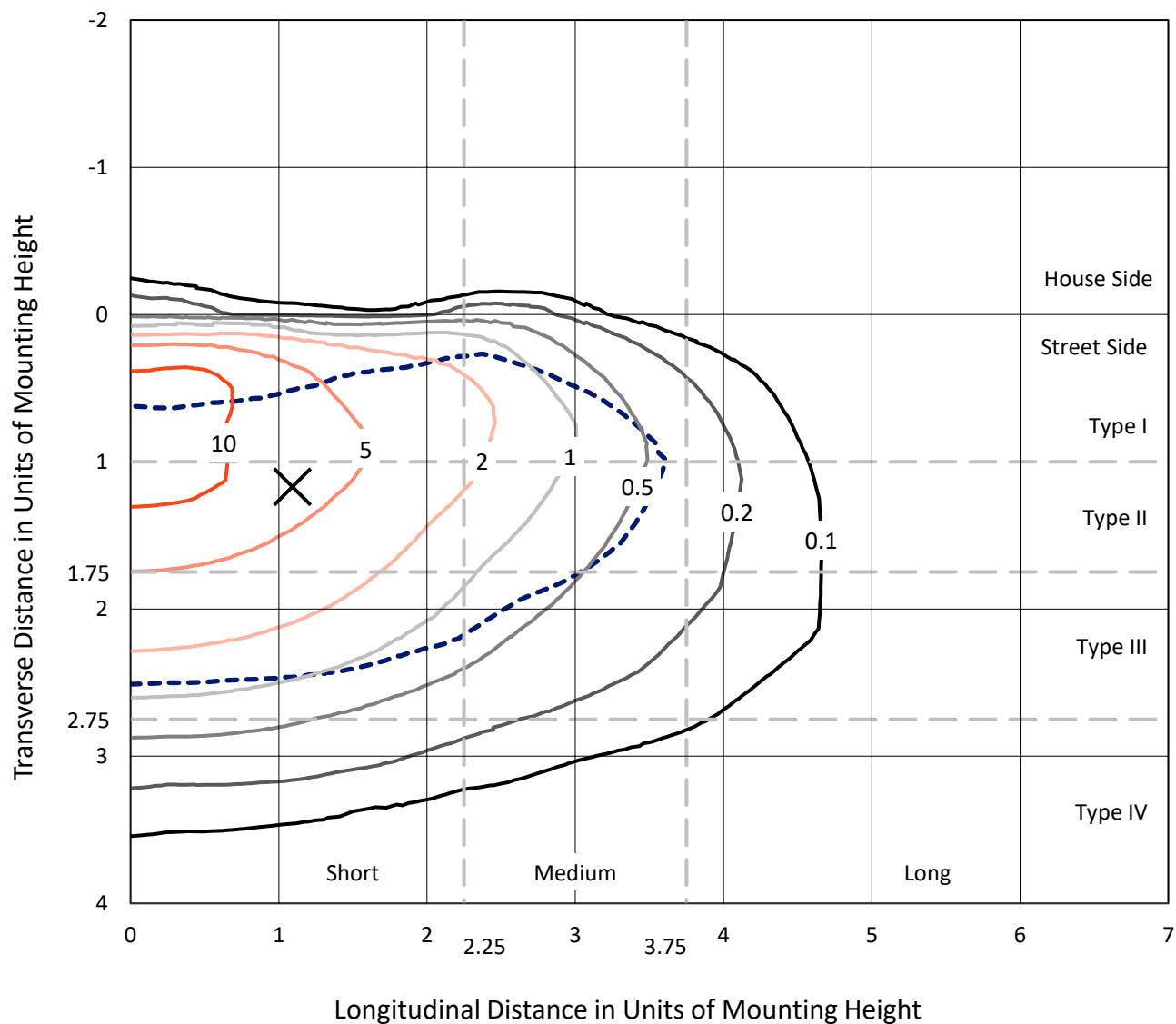
REPORT NUMBER: P1047382

CATALOG NUMBER: GALN-SA3B-840-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

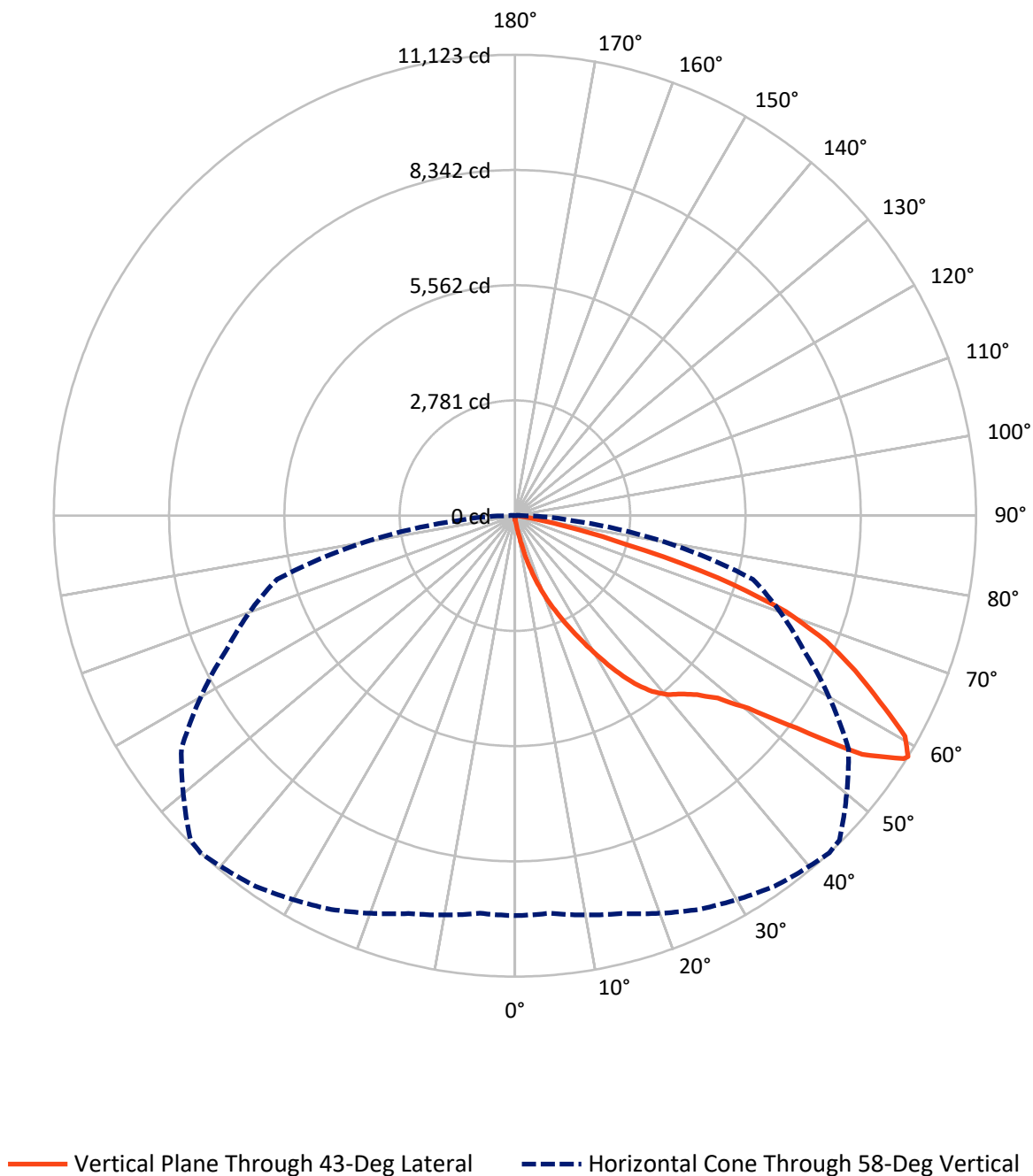


Based on 15 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Short - N/A

REPORT NUMBER: P1047382

CATALOG NUMBER: GALN-SA3B-840-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1047382

CATALOG NUMBER: GALN-SA3B-840-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.0	0.0	49.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13384.0	0.0	13384.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	13433.1	0.0	13433.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.1
10°-20°	154.4	1.1
20°-30°	556.5	4.1
30°-40°	1273.4	9.5
40°-50°	2147.7	16.0
50°-60°	3544.2	26.4
60°-70°	3961.1	29.5
70°-80°	1635.5	12.2
80°-90°	147.4	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°	13433.1	100.0
0°-180°	13433.1	100.0



REPORT NUMBER: P1047382

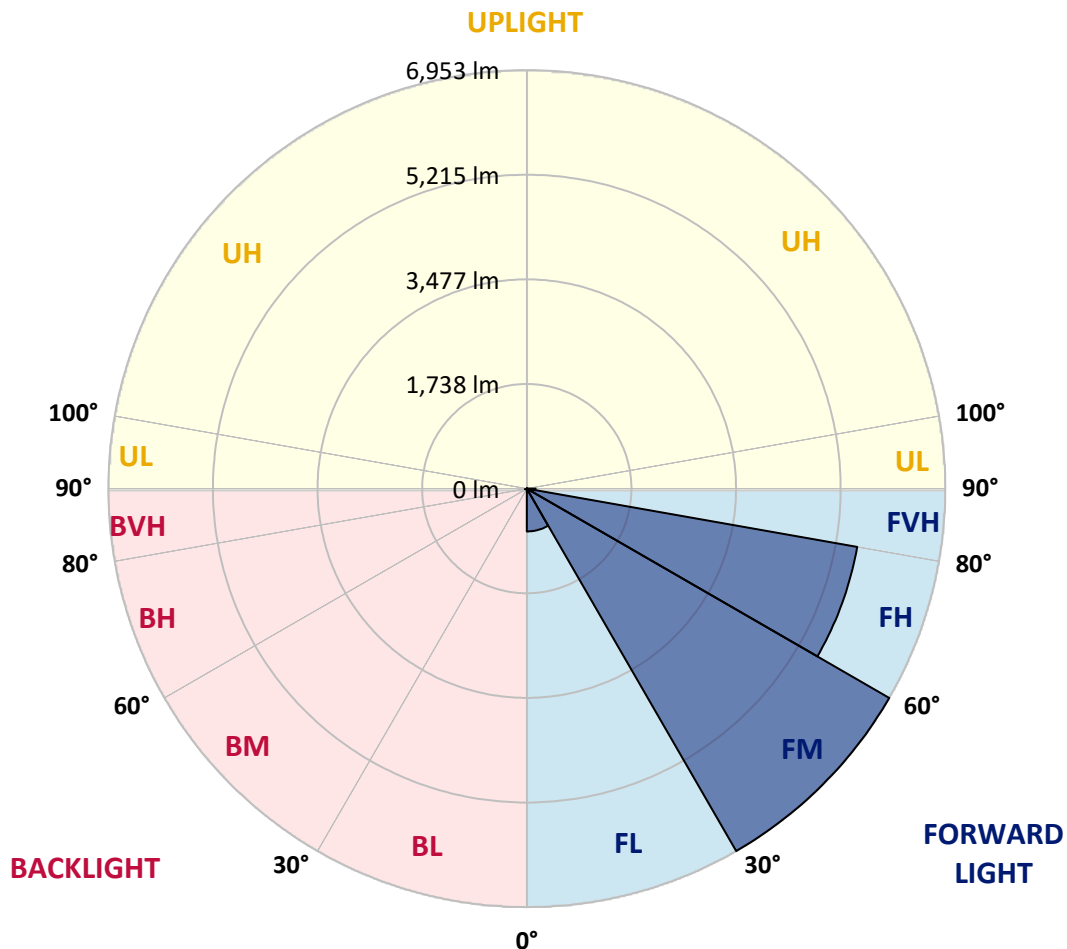
CATALOG NUMBER: GALN-SA3B-840-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	711.0	5.3			
FM	(30°-60°)	6953.5	51.8			
FH	(60°-80°)	5574.1	41.5			G3/7500
FVH	(80°-90°)	145.4	1.1			G2/225
BL	(0°-30°)	12.8	0.1	B0/110		
BM	(30°-60°)	11.8	0.1	B0/220		
BH	(60°-80°)	22.5	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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 III Short



REPORT NUMBER: P1047382

CATALOG NUMBER: GALN-SA3B-840-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
2.5°	105.4	108.9	105.4	105.4	105.4	101.9	101.9	98.4	98.4	94.9	91.3
5°	154.6	154.6	144.0	137.0	130.0	126.5	123.0	115.9	108.9	101.9	94.9
7.5°	344.3	344.3	312.7	270.5	214.3	182.7	175.7	144.0	123.0	108.9	94.9
10°	822.1	822.1	751.8	635.9	491.9	365.4	326.7	207.3	147.6	115.9	98.4
12.5°	1366.7	1384.2	1296.4	1148.9	934.5	713.2	635.9	379.4	196.7	126.5	98.4
15°	1855.0	1812.9	1788.3	1647.7	1444.0	1180.5	1082.1	639.4	284.6	144.0	98.4
17.5°	2185.3	2185.3	2150.1	2055.3	1869.1	1637.2	1556.4	1032.9	460.2	165.1	101.9
20°	2571.7	2571.7	2508.5	2441.7	2276.6	2079.9	2002.6	1468.6	713.2	210.8	101.9
22.5°	3039.0	3046.0	2975.8	2856.3	2698.2	2480.4	2413.6	1872.6	1032.9	281.1	105.4
25°	3608.2	3615.2	3513.3	3400.9	3158.5	2923.1	2821.2	2336.3	1422.9	393.5	105.4
27.5°	4237.0	4286.2	4135.2	3941.9	3685.5	3390.3	3313.0	2754.4	1809.4	555.1	112.4
30°	5020.5	5020.5	4820.3	4549.7	4272.2	3906.8	3808.4	3193.6	2220.4	769.4	119.5
32.5°	5695.1	5642.4	5385.9	5101.3	4806.2	4465.4	4360.0	3653.8	2642.0	1036.4	133.5
35°	6211.5	6165.9	5849.7	5544.0	5287.5	4974.8	4848.4	4152.7	3088.2	1338.6	154.6
37.5°	6654.2	6636.6	6208.0	5825.1	5656.4	5382.4	5270.0	4623.5	3527.4	1665.3	179.2
40°	7139.0	7082.8	6626.1	6151.8	5898.8	5677.5	5575.6	5002.9	3949.0	2048.3	214.3
42.5°	7553.6	7486.9	7075.8	6612.0	6179.9	5881.3	5782.9	5322.7	4360.0	2431.2	260.0
45°	8013.9	7978.7	7564.1	7212.8	6636.6	6158.8	6028.8	5579.1	4735.9	2887.9	319.7
47.5°	8706.0	8642.7	8256.3	7968.2	7300.6	6580.4	6394.2	5842.6	5097.8	3337.6	411.1
50°	9510.5	9468.4	9240.0	9011.6	8347.6	7300.6	7079.3	6222.1	5501.8	3871.7	530.5
52.5°	10167.5	10160.5	10188.6	10192.1	9689.7	8512.7	8182.5	6833.4	5965.6	4398.7	699.1
55°	10153.5	10185.1	10494.2	10849.1	10887.7	10167.5	9847.8	7862.8	6569.9	5048.6	934.5
57.5°	9774.0	9749.4	10076.2	10610.2	10986.1	11063.4	11010.7	9461.3	7479.8	5832.1	1296.4
58°	9651.1	9630.0	9939.1	10483.7	10915.8	11123.1	11070.4	9823.2	7683.6	5944.5	1394.8
60°	9204.9	9208.4	9391.1	9886.4	10318.6	10810.4	10859.6	10856.1	8698.9	6696.4	1890.2
62.5°	8614.6	8586.5	8755.2	9159.2	9538.6	9868.9	9953.2	10926.4	10185.1	7652.0	2835.2
65°	7799.5	7757.4	7936.6	8393.3	8800.8	9015.1	9018.7	9984.8	10884.2	8677.9	4184.3
67.5°	6285.3	6250.2	6608.5	7195.3	7824.1	8105.2	8231.7	8663.8	10294.0	9373.5	4957.3
70°	3850.6	3924.4	4423.3	5343.7	6418.8	6935.3	7125.0	7258.5	8765.7	9268.1	4145.7
72.5°	1777.7	1689.9	2115.0	2757.9	3984.1	5132.9	5329.7	5853.2	6949.3	8045.5	3091.7
75°	829.1	797.5	895.9	1205.1	1805.8	2772.0	3130.4	4672.7	5329.7	5596.7	2230.9
77.5°	425.1	428.6	509.4	548.1	744.8	1282.4	1472.1	3074.1	3906.8	3123.3	1496.7
80°	186.2	193.2	196.7	214.3	302.1	495.4	558.6	1426.4	2670.1	1591.5	818.6
82.5°	119.5	123.0	123.0	123.0	144.0	196.7	224.9	572.7	1331.5	790.5	253.0
85°	63.2	63.2	70.3	87.8	101.9	119.5	126.5	182.7	439.2	235.4	59.7
87.5°	35.1	38.6	42.2	52.7	66.8	80.8	87.8	126.5	168.6	161.6	14.1
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: P1047382

CATALOG NUMBER: GALN-SA3B-840-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
2.5°	91.3	87.8	84.3	80.8	77.3	73.8	73.8	73.8	73.8	73.8	73.8
5°	87.8	84.3	80.8	73.8	66.8	63.2	59.7	56.2	56.2	56.2	56.2
7.5°	87.8	84.3	73.8	66.8	59.7	52.7	45.7	45.7	45.7	45.7	45.7
10°	87.8	80.8	70.3	59.7	49.2	42.2	38.6	35.1	35.1	35.1	35.1
12.5°	87.8	77.3	66.8	52.7	42.2	35.1	31.6	28.1	28.1	28.1	28.1
15°	87.8	77.3	63.2	49.2	38.6	28.1	24.6	21.1	21.1	21.1	21.1
17.5°	84.3	73.8	59.7	42.2	31.6	21.1	17.6	14.1	14.1	17.6	17.6
20°	80.8	70.3	52.7	35.1	24.6	17.6	10.5	10.5	10.5	10.5	10.5
22.5°	80.8	70.3	49.2	31.6	21.1	10.5	7.0	7.0	7.0	7.0	10.5
25°	80.8	66.8	42.2	24.6	14.1	7.0	3.5	3.5	3.5	3.5	3.5
27.5°	80.8	66.8	38.6	21.1	10.5	7.0	3.5	0.0	0.0	0.0	0.0
30°	77.3	63.2	35.1	17.6	7.0	3.5	0.0	0.0	0.0	0.0	0.0
32.5°	77.3	59.7	28.1	14.1	7.0	3.5	0.0	0.0	0.0	0.0	0.0
35°	80.8	56.2	24.6	10.5	3.5	0.0	0.0	0.0	0.0	0.0	3.5
37.5°	84.3	52.7	21.1	7.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	87.8	49.2	21.1	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	94.9	49.2	17.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	101.9	49.2	14.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	115.9	52.7	14.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	126.5	56.2	10.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	140.5	52.7	10.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	158.1	52.7	10.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	172.2	49.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	179.2	45.7	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	214.3	42.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	333.8	35.1	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	678.1	31.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1264.8	28.1	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1415.9	31.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	892.4	24.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	470.8	24.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	235.4	24.6	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	108.9	17.6	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	45.7	10.5	7.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.1	10.5	7.0	7.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	10.5	10.5	10.5	7.0	7.0	3.5	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

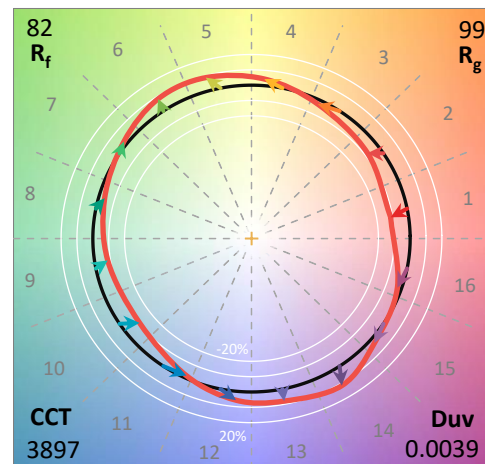
Test Information

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

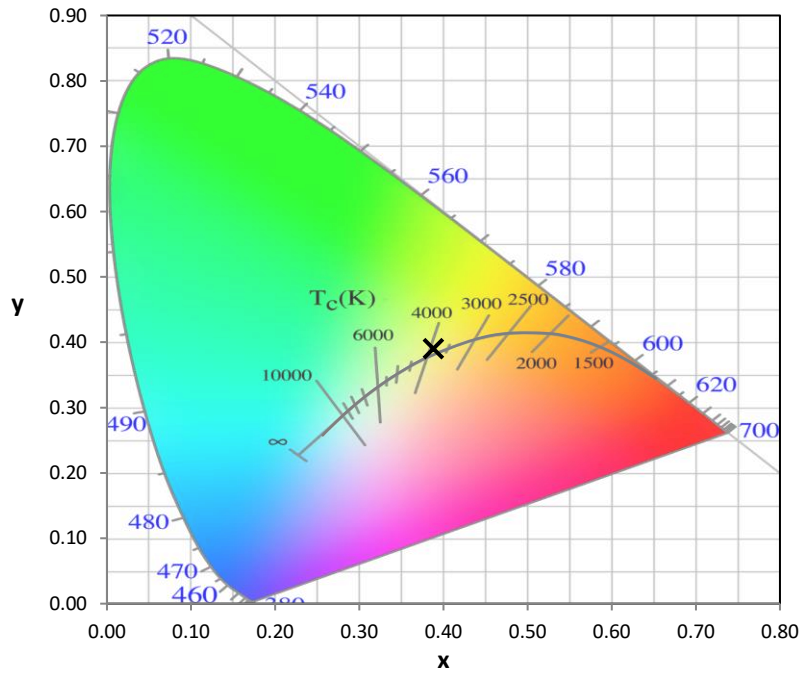
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

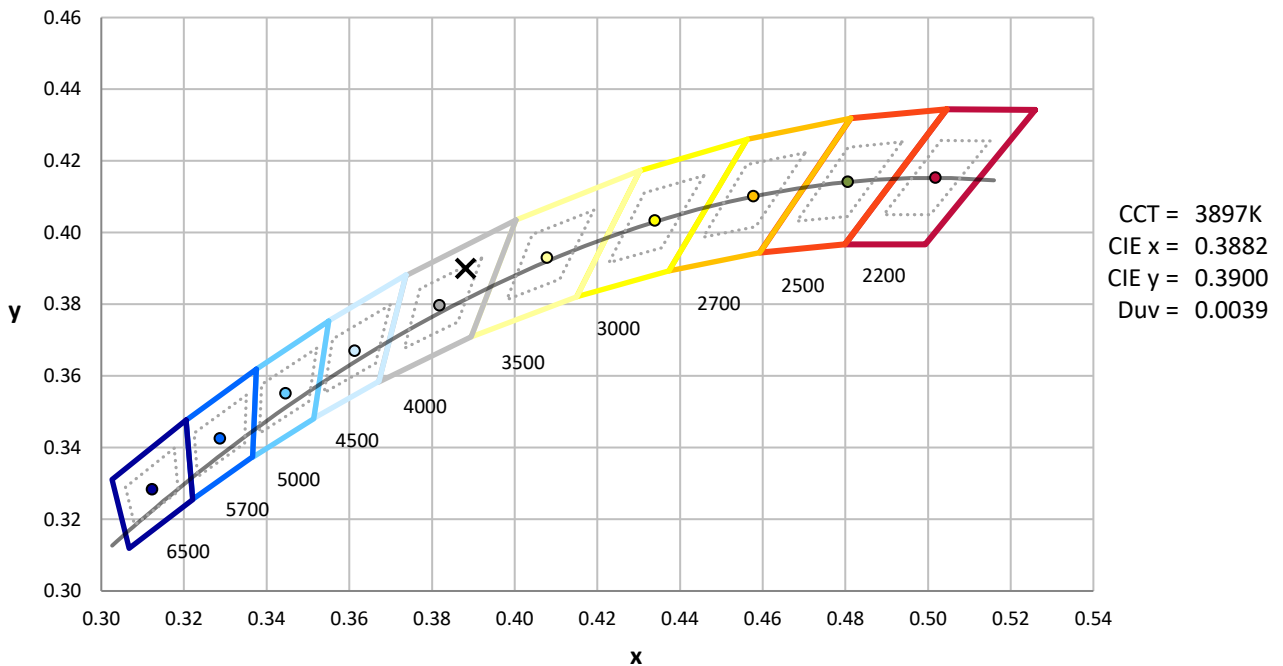
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



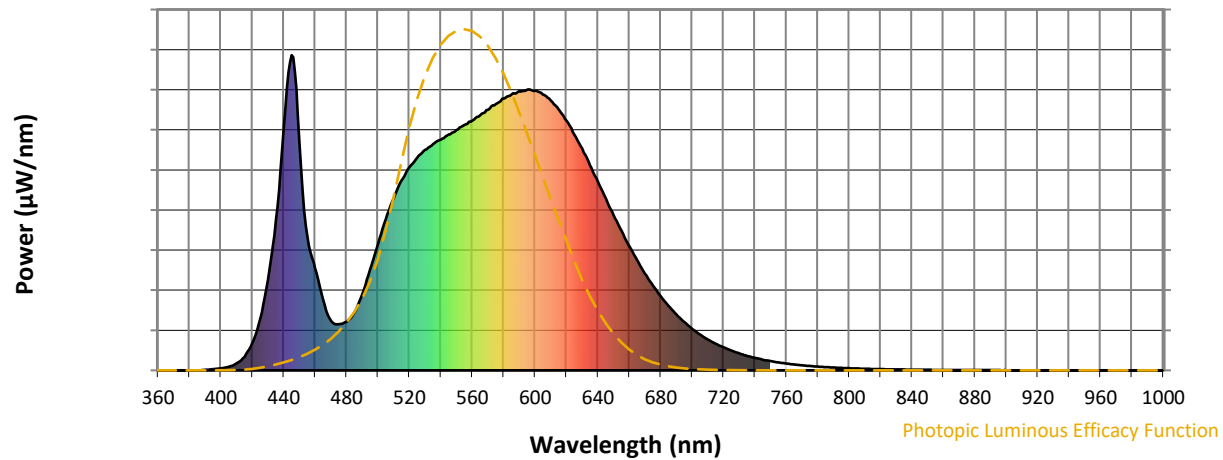
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

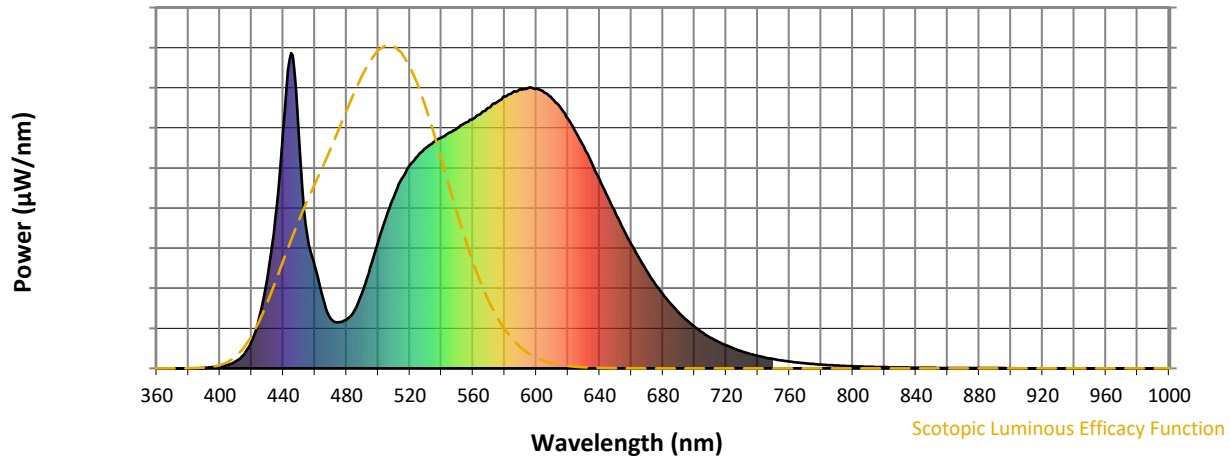


Photopic Lumens: NR

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	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			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength



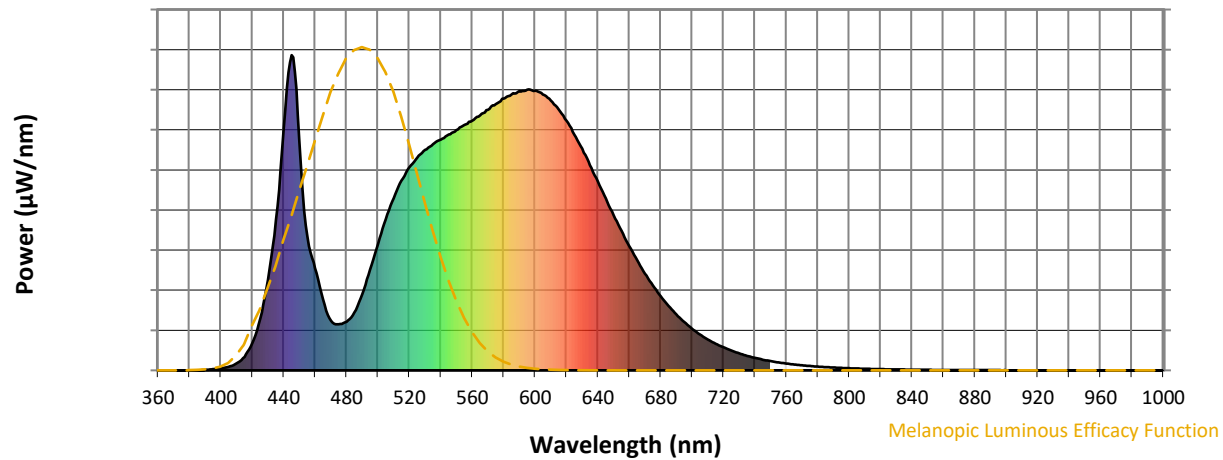
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.06

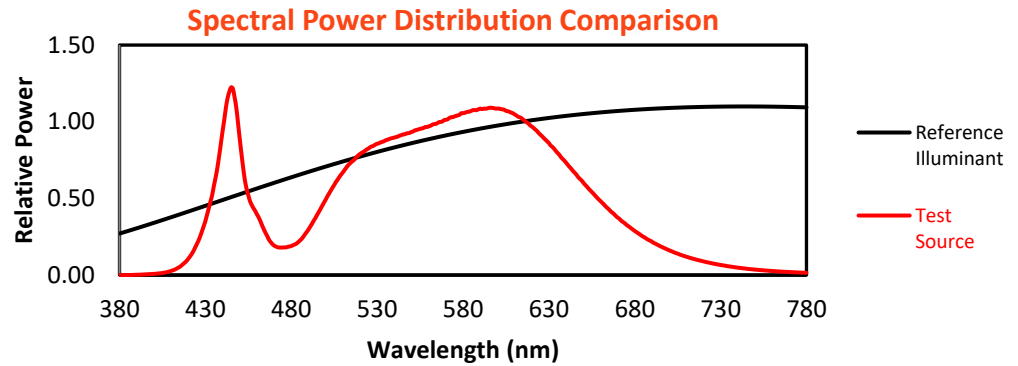
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	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			

REPORT NUMBER: SP1-2407-184-11

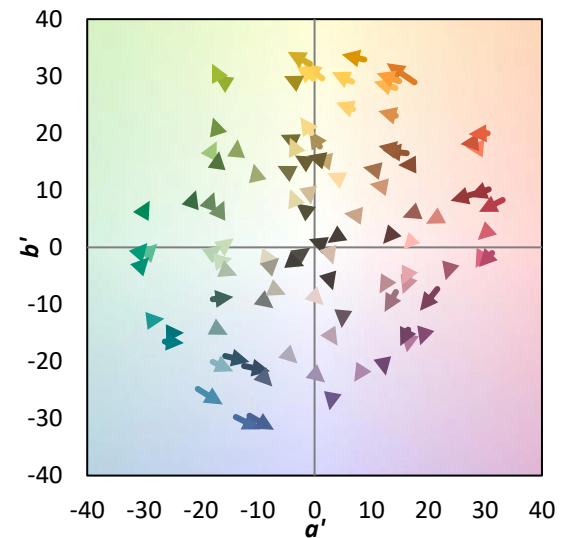
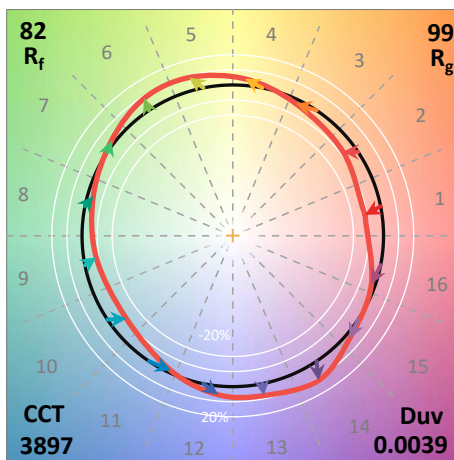
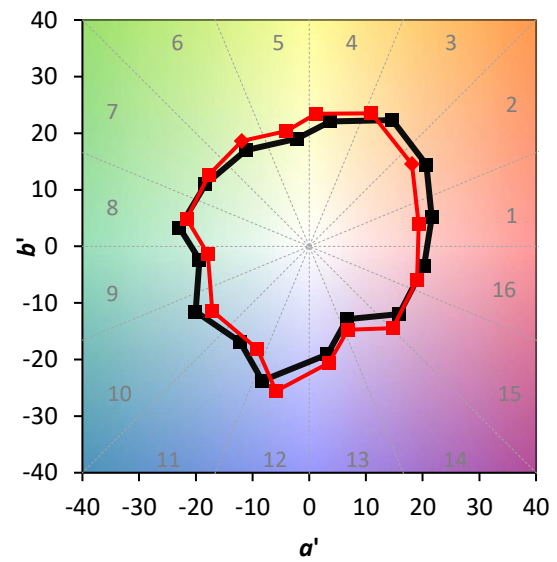
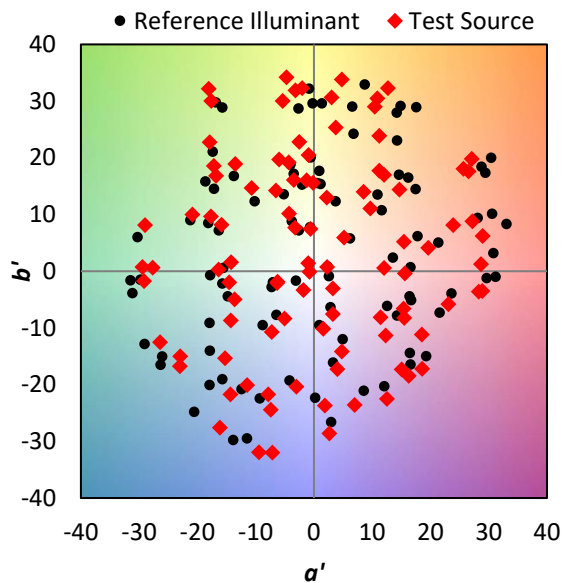
TM-30-18

Summary

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

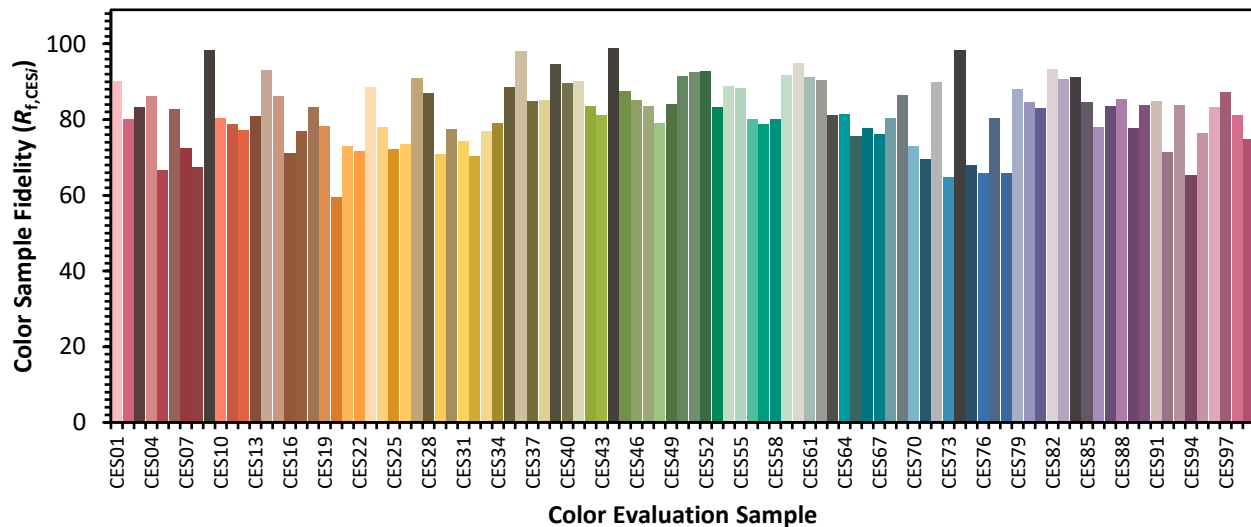


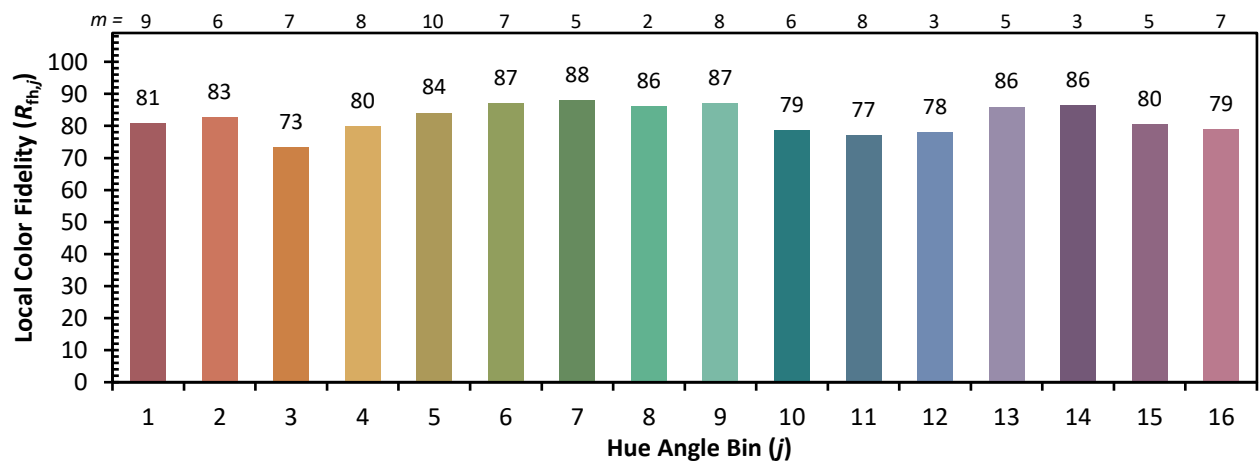
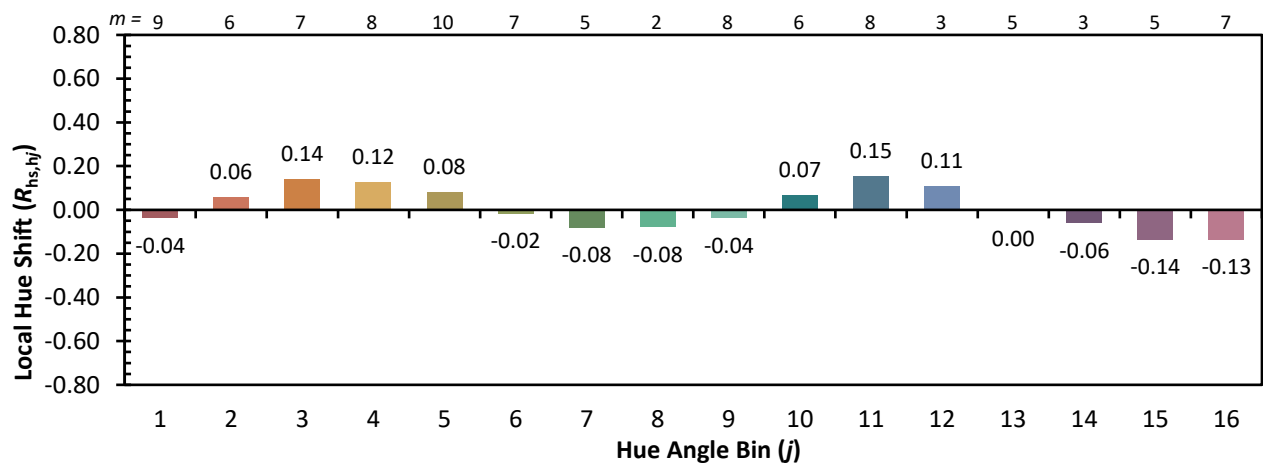
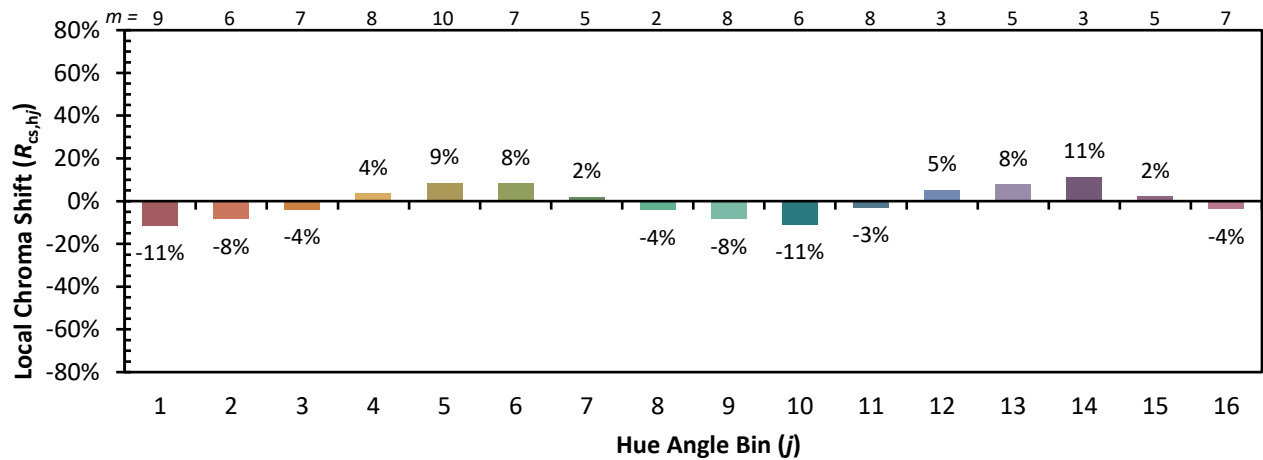
Color Vector Graphics



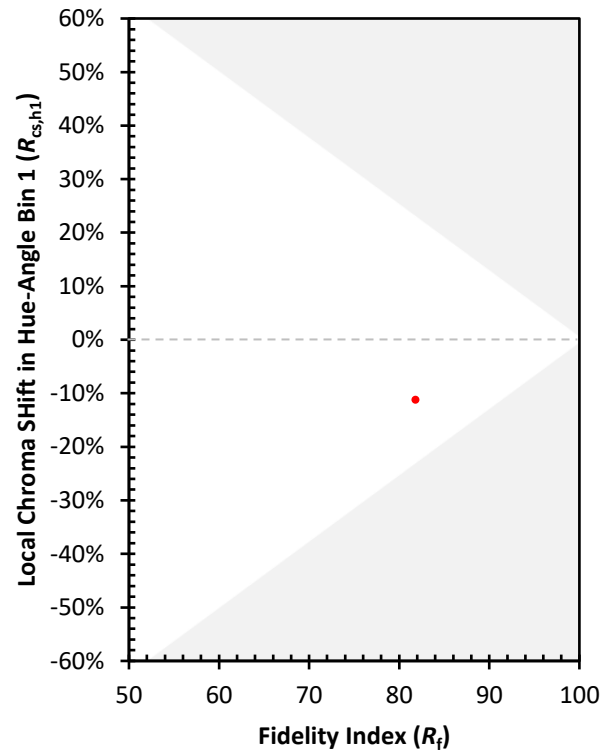
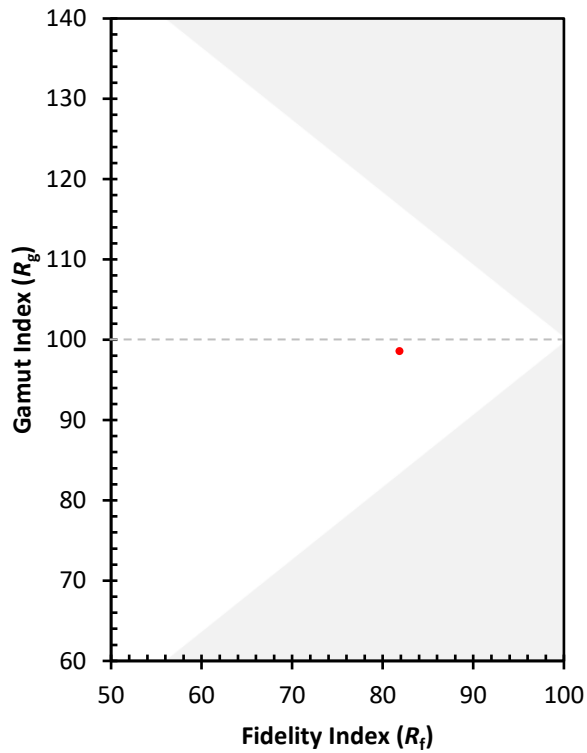
Individual Sample Fidelity Index ($R_{f,i}$)

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)