

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: P1047997

Luminaire Tested: **GALN-SA4A-840-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047997
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-840-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13248.8 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

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

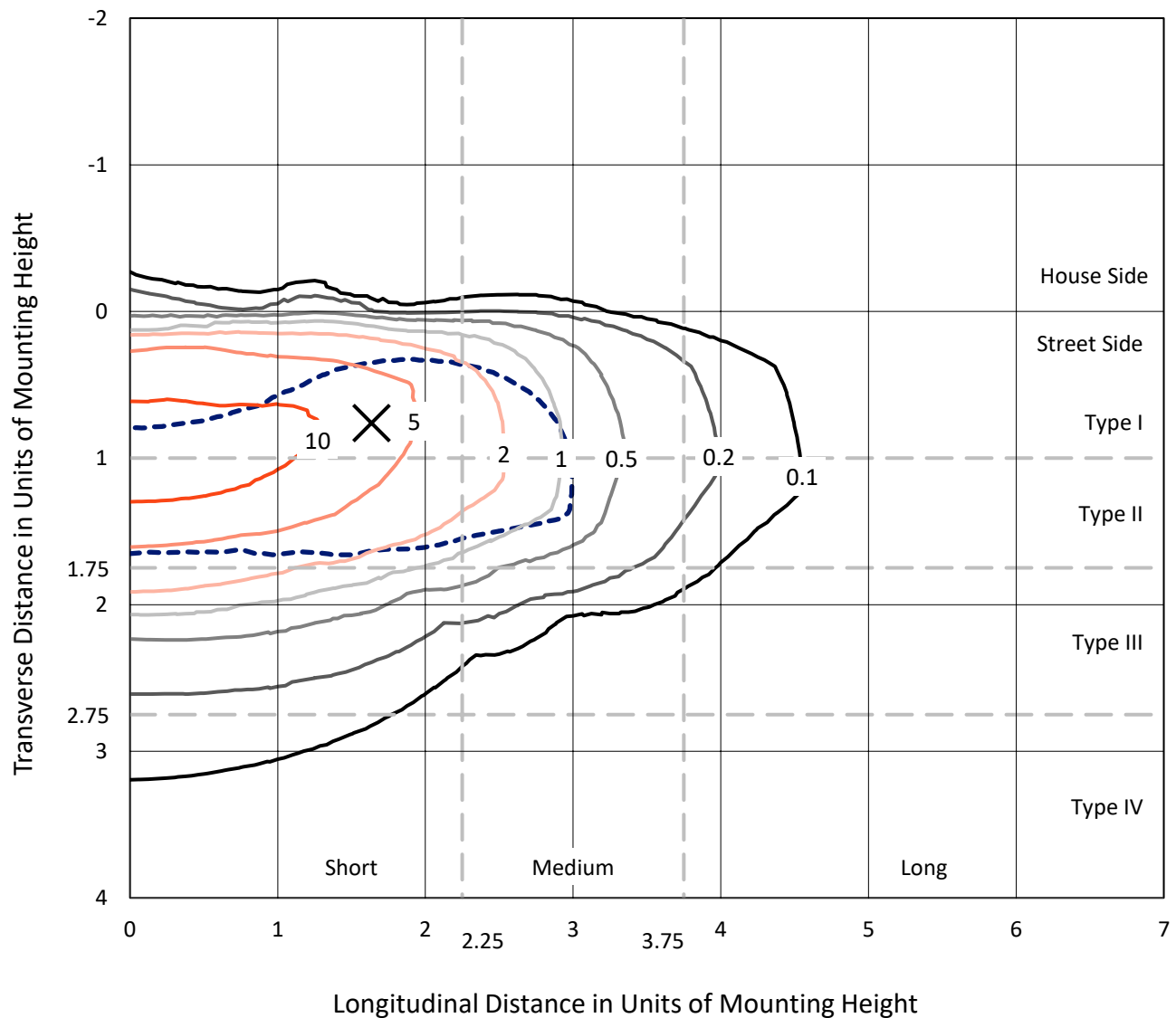


REPORT NUMBER: P1047997

CATALOG NUMBER: GALN-SA4A-840-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

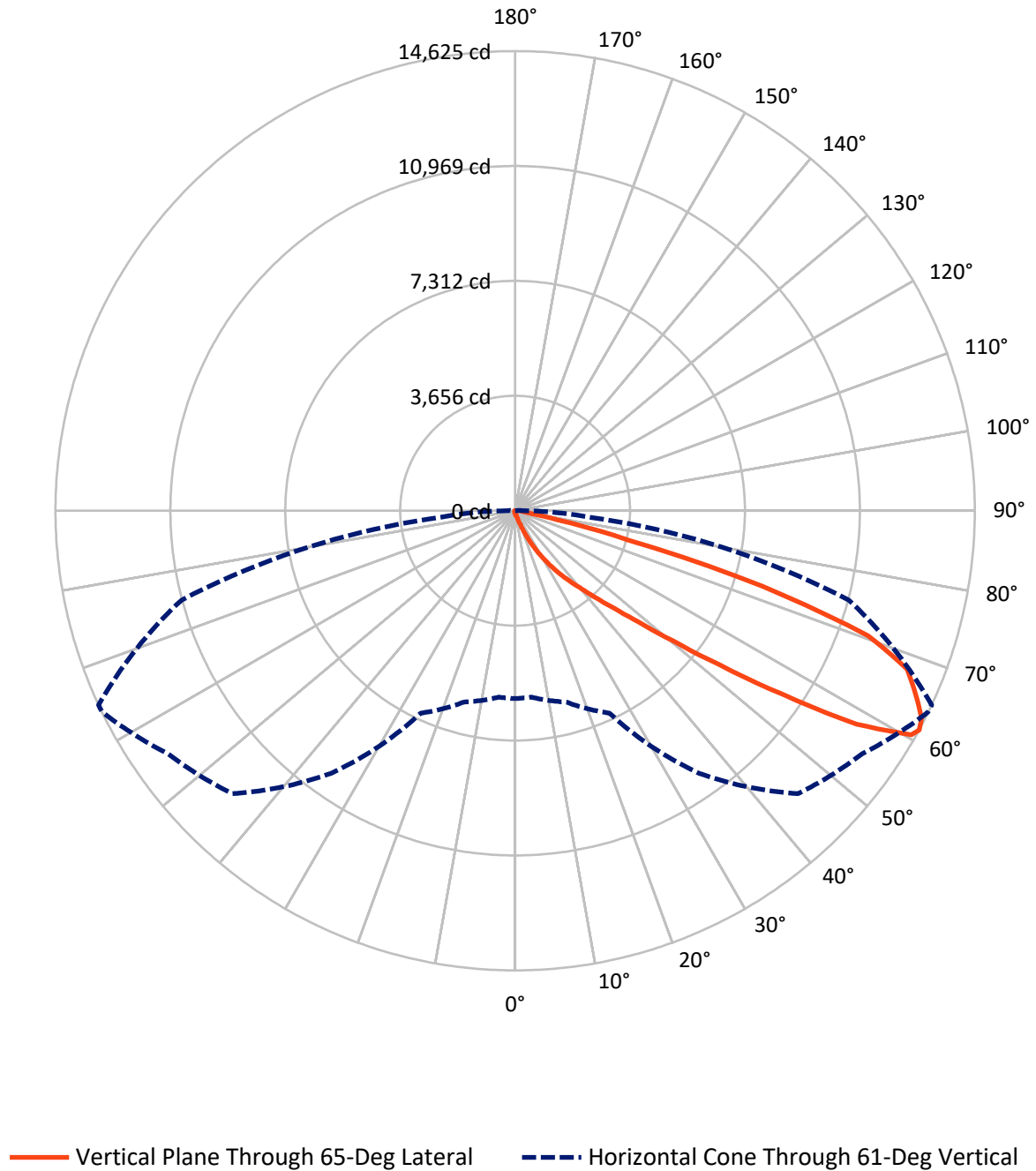


Based on 15 foot mounting height. Maximum calculated value = 17.5 fc
 Type II - Short - N/A

REPORT NUMBER: P1047997

CATALOG NUMBER: GALN-SA4A-840-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1047997

CATALOG NUMBER: GALN-SA4A-840-U-T2BC

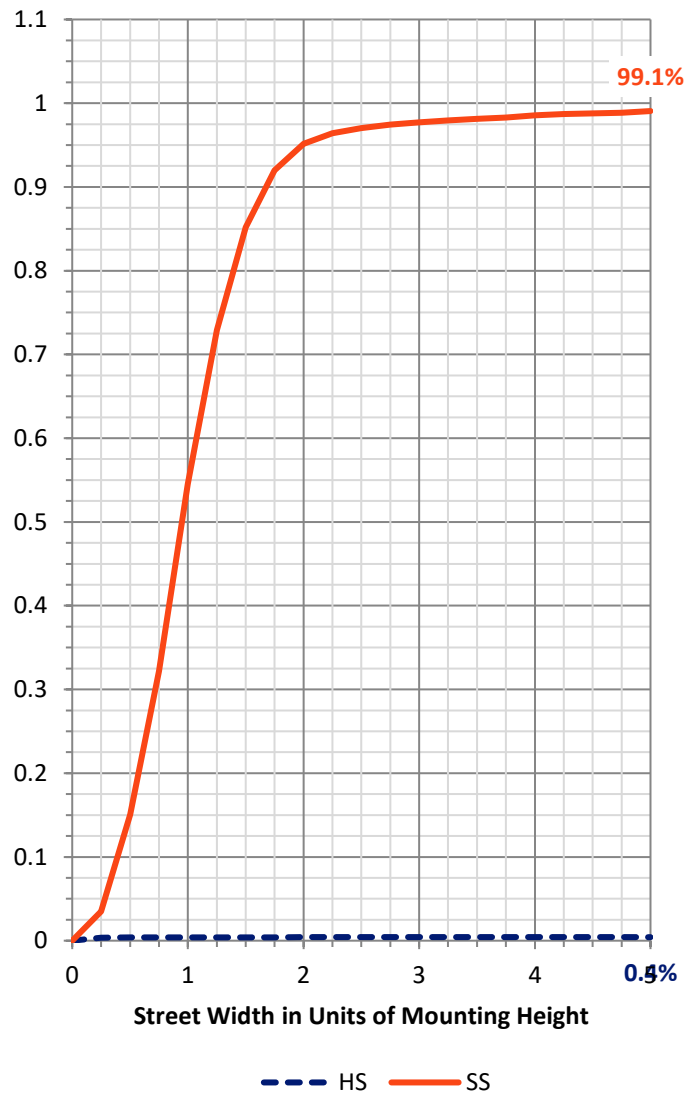
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	56.6	0.0	56.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13192.3	0.0	13192.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	13248.8	0.0	13248.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	108.9	0.8
20°-30°	391.0	3.0
30°-40°	1041.0	7.9
40°-50°	2734.6	20.6
50°-60°	4236.5	32.0
60°-70°	3552.2	26.8
70°-80°	1045.4	7.9
80°-90°	128.9	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°	13248.8	100.0
0°-180°	13248.8	100.0



REPORT NUMBER: P1047997

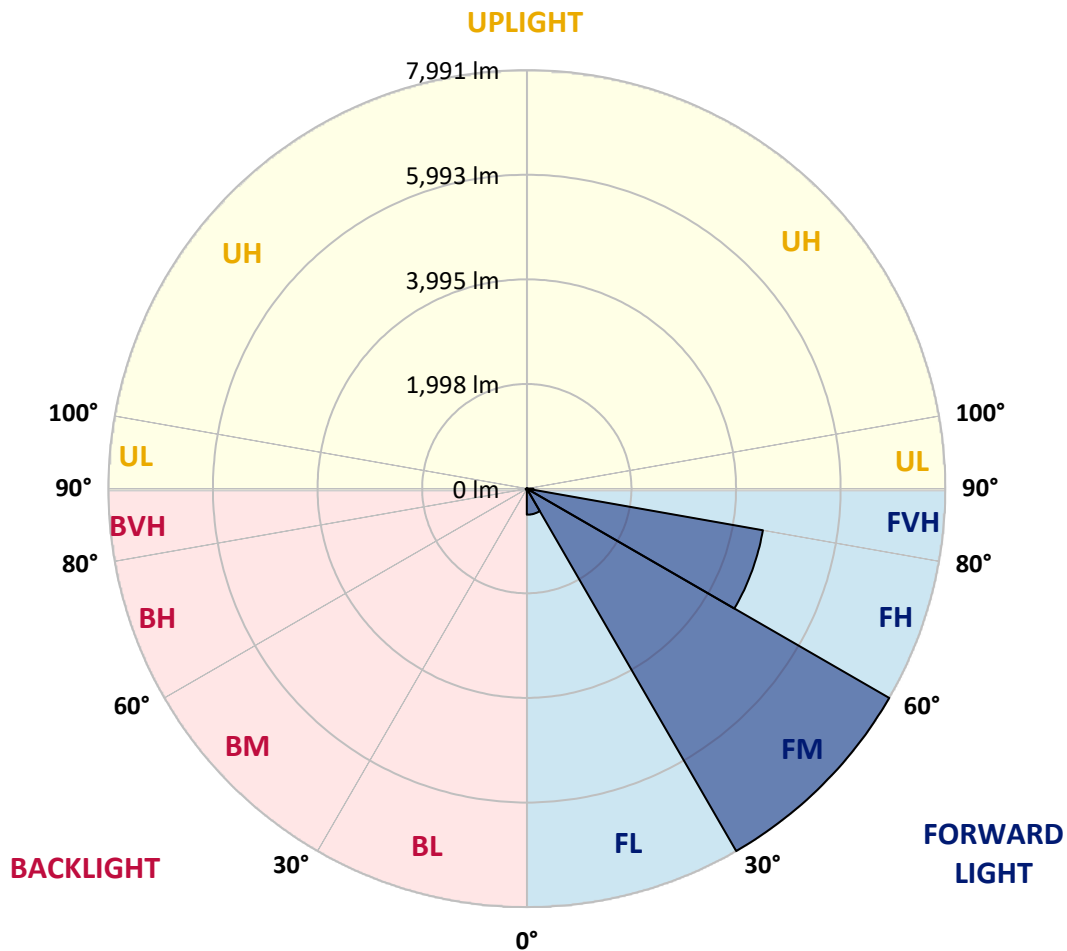
CATALOG NUMBER: GALN-SA4A-840-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	497.6	3.8			
FM	(30°-60°)	7990.5	60.3			
FH	(60°-80°)	4577.6	34.6			G2/5000
FVH	(80°-90°)	126.6	1.0			G2/225
BL	(0°-30°)	12.7	0.1	B0/110		
BM	(30°-60°)	21.5	0.2	B0/220		
BH	(60°-80°)	20.0	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-G2

Type II Short



REPORT NUMBER: P1047997

CATALOG NUMBER: GALN-SA4A-840-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2.5°	98.4	99.3	97.5	93.9	91.1	91.1	90.2	87.5	87.5	84.8	82.9
5°	137.6	135.8	132.1	124.9	118.5	112.1	105.7	99.3	98.4	90.2	84.8
7.5°	225.1	226.9	215.1	192.3	173.2	148.6	125.8	112.1	110.3	96.6	85.7
10°	494.0	480.3	453.0	364.6	299.8	226.0	167.7	130.3	128.5	103.9	87.5
12.5°	900.4	889.5	839.4	748.2	581.5	404.7	245.2	161.3	155.8	110.3	88.4
15°	1297.8	1280.5	1253.1	1161.1	966.1	725.5	401.0	220.6	206.0	119.4	87.5
17.5°	1551.2	1553.9	1529.3	1490.1	1364.3	1073.6	692.6	329.0	300.8	135.8	85.7
20°	1772.6	1766.2	1779.9	1759.0	1670.6	1459.1	1008.0	521.3	473.0	162.2	86.6
22.5°	2027.8	2043.3	2053.3	2048.8	1951.3	1770.8	1366.2	780.1	719.1	210.5	89.3
25°	2369.6	2367.8	2368.7	2356.8	2262.0	2061.5	1725.2	1101.9	1039.9	288.9	95.7
27.5°	2727.8	2738.7	2743.2	2700.4	2576.5	2379.6	2057.9	1453.6	1380.7	414.7	103.9
30°	3217.2	3208.0	3187.1	3099.6	2949.2	2705.0	2386.0	1822.8	1746.2	590.6	116.7
32.5°	3877.0	3867.0	3761.3	3568.0	3342.9	3044.0	2715.9	2192.8	2099.8	810.2	134.0
35°	4964.3	4979.8	4720.0	4219.7	3815.9	3451.4	3081.4	2561.0	2478.9	1080.9	157.7
37.5°	6629.4	6544.6	6191.9	5307.9	4438.4	3959.9	3430.4	2932.8	2861.7	1414.5	188.7
40°	8247.1	8163.2	8061.1	7223.6	5520.2	4520.4	3918.9	3369.4	3277.3	1790.9	234.2
42.5°	9947.7	9901.2	9896.6	9265.1	7494.3	5401.7	4506.8	3880.6	3802.3	2203.7	309.0
45°	11152.5	11106.0	11203.6	11313.8	10182.8	7290.1	5530.2	4545.0	4431.1	2705.0	428.3
47.5°	11314.8	11316.6	11577.2	11922.6	12180.6	10211.1	6893.7	5425.4	5286.9	3422.2	628.9
50°	10775.2	10796.2	11210.9	11828.8	12523.2	12661.8	9297.9	6703.2	6498.1	4272.5	913.2
52.5°	9748.1	9771.8	10349.6	11365.8	12207.9	13250.5	12128.6	8374.6	8138.6	5333.4	1314.2
55°	8823.0	8837.6	9500.2	10784.3	11827.9	12930.6	13809.2	10606.6	10296.7	6638.5	1709.7
57.5°	7907.1	7873.4	8304.5	9774.5	11763.1	12537.8	14057.1	13150.3	12808.5	8064.8	2017.8
60°	6682.2	6625.7	6972.0	7907.1	10911.9	12795.7	13593.2	14557.4	14480.0	10050.7	2255.7
61°	5977.7	5954.0	6302.2	7104.2	10195.6	12730.1	13482.0	14616.7	14624.9	10990.3	2362.3
62.5°	4268.9	4336.3	4868.6	5911.2	8539.6	12304.5	13496.6	14433.5	14514.6	12238.9	2638.4
65°	1897.5	2005.9	2419.7	3268.2	4966.1	10235.7	13367.2	14031.6	13991.5	12581.6	3589.9
67.5°	1125.6	1142.0	1347.9	1851.9	2630.2	5505.6	11796.0	13500.2	13446.5	10952.9	4466.7
70°	886.8	895.0	960.6	1162.0	1526.6	2108.9	6732.3	11680.2	11914.4	8881.4	4372.8
72.5°	841.2	839.4	848.5	884.0	961.5	1046.3	2606.5	7764.0	8240.7	6396.0	3666.5
75°	830.3	826.6	817.5	803.8	696.3	616.1	807.5	3434.1	3710.2	4370.1	2760.6
77.5°	805.7	806.6	808.4	771.0	597.0	435.6	391.0	1101.9	1355.2	2773.3	1962.2
80°	545.0	553.2	566.9	552.3	536.8	315.3	276.1	391.9	397.4	1556.6	1296.0
82.5°	276.1	276.1	269.8	240.6	207.8	205.1	219.6	284.3	288.0	787.4	609.7
85°	166.8	175.9	179.5	163.1	149.5	137.6	167.7	226.0	234.2	305.3	142.2
87.5°	37.4	38.3	41.9	55.6	81.1	110.3	155.8	206.9	210.5	195.9	17.3
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: P1047997

CATALOG NUMBER: GALN-SA4A-840-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2.5°	82.0	80.2	79.3	76.6	73.8	71.1	69.3	68.4	69.3	70.2	70.2
5°	81.1	78.4	73.8	69.3	65.6	62.0	58.3	57.4	57.4	58.3	58.3
7.5°	81.1	76.6	70.2	64.7	59.2	53.8	51.0	49.2	50.1	50.1	50.1
10°	81.1	75.6	67.4	59.2	52.9	46.5	41.9	40.1	40.1	40.1	40.1
12.5°	80.2	74.7	64.7	54.7	45.6	38.3	32.8	30.1	31.0	31.0	31.0
15°	78.4	72.0	61.1	46.5	36.5	29.2	23.7	21.0	21.9	23.7	24.6
17.5°	75.6	69.3	54.7	39.2	29.2	21.9	16.4	14.6	15.5	18.2	18.2
20°	74.7	66.5	48.3	31.9	21.9	15.5	10.9	9.1	10.0	13.7	14.6
22.5°	74.7	64.7	43.7	26.4	16.4	10.0	6.4	3.6	3.6	6.4	6.4
25°	75.6	63.8	40.1	21.9	11.8	7.3	3.6	1.8	3.6	10.0	11.8
27.5°	77.5	62.9	38.3	18.2	9.1	6.4	2.7	6.4	10.9	10.9	10.9
30°	79.3	61.1	35.5	15.5	8.2	4.6	4.6	9.1	9.1	10.9	11.8
32.5°	82.0	60.2	33.7	13.7	6.4	3.6	6.4	5.5	5.5	6.4	7.3
35°	87.5	61.1	31.9	13.7	6.4	4.6	5.5	2.7	1.8	1.8	1.8
37.5°	94.8	62.0	29.2	11.8	5.5	5.5	2.7	0.0	0.0	0.0	0.0
40°	106.6	64.7	27.3	10.9	4.6	4.6	0.9	0.0	0.0	0.0	0.0
42.5°	126.7	70.2	26.4	10.0	4.6	3.6	0.0	0.0	0.0	0.0	0.0
45°	166.8	82.9	24.6	9.1	4.6	1.8	0.0	0.0	0.0	0.0	0.0
47.5°	239.7	113.0	23.7	7.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	350.0	153.1	22.8	6.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	446.6	161.3	15.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	457.5	111.2	11.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	364.6	72.0	10.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	276.1	54.7	9.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	265.2	49.2	9.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	292.6	42.8	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	475.7	35.5	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	826.6	31.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1044.4	29.2	5.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	910.5	26.4	5.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	547.7	22.8	5.5	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	287.1	17.3	5.5	4.6	2.7	0.9	0.0	0.0	0.0	0.0	0.0
80°	139.4	15.5	6.4	4.6	3.6	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	54.7	12.8	7.3	6.4	4.6	2.7	0.9	0.0	0.0	0.0	0.0
85°	24.6	10.9	8.2	7.3	6.4	3.6	0.9	0.0	0.0	0.0	0.0
87.5°	12.8	10.0	9.1	8.2	6.4	4.6	1.8	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: SP1-2407-184-11

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

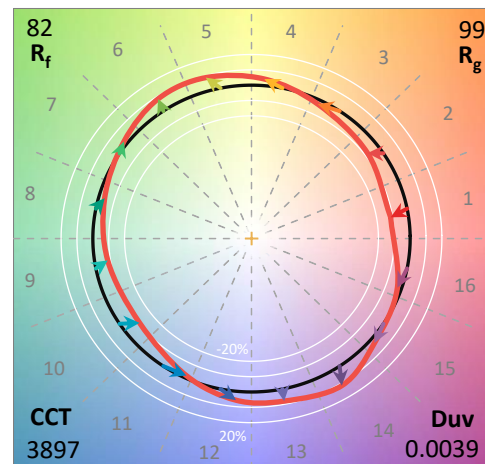
Test Information

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

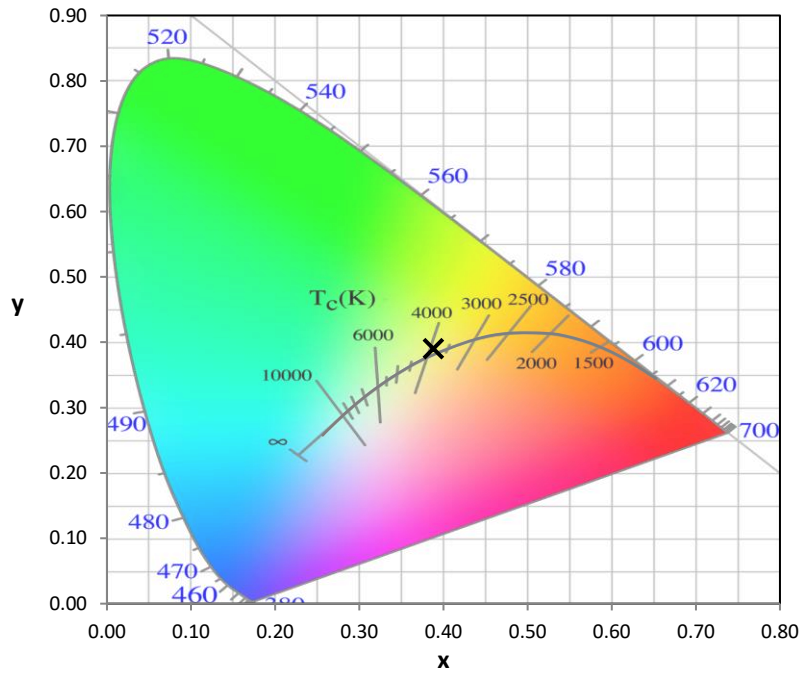
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

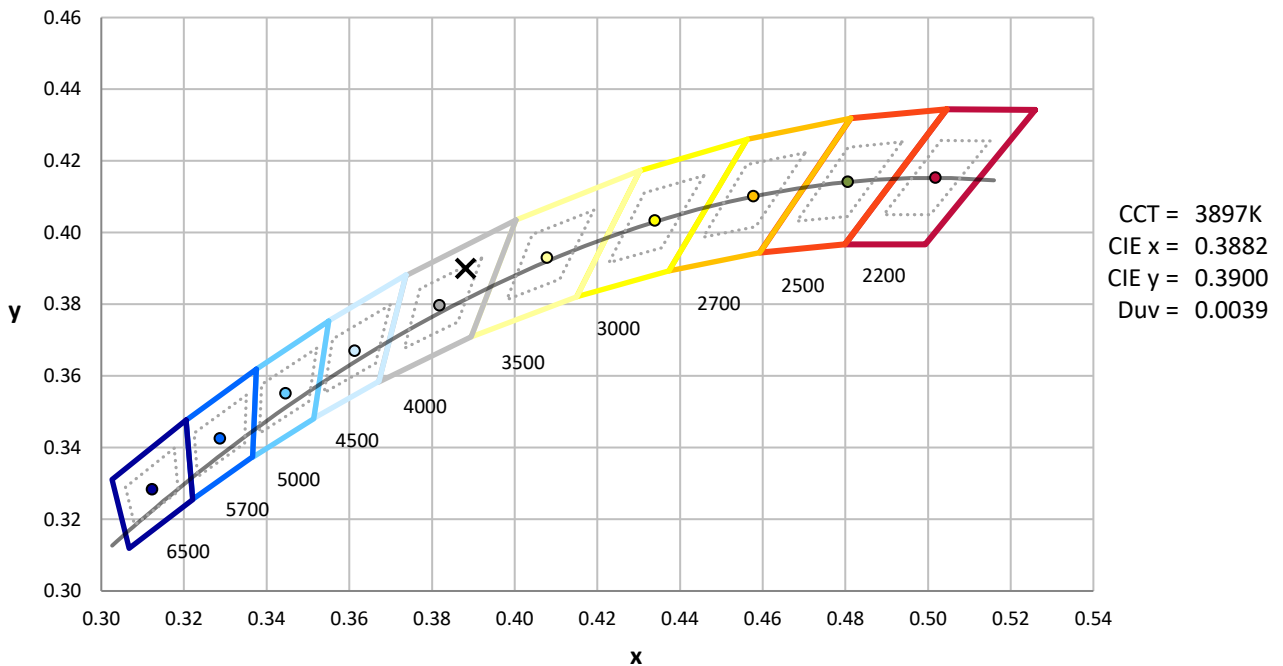
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

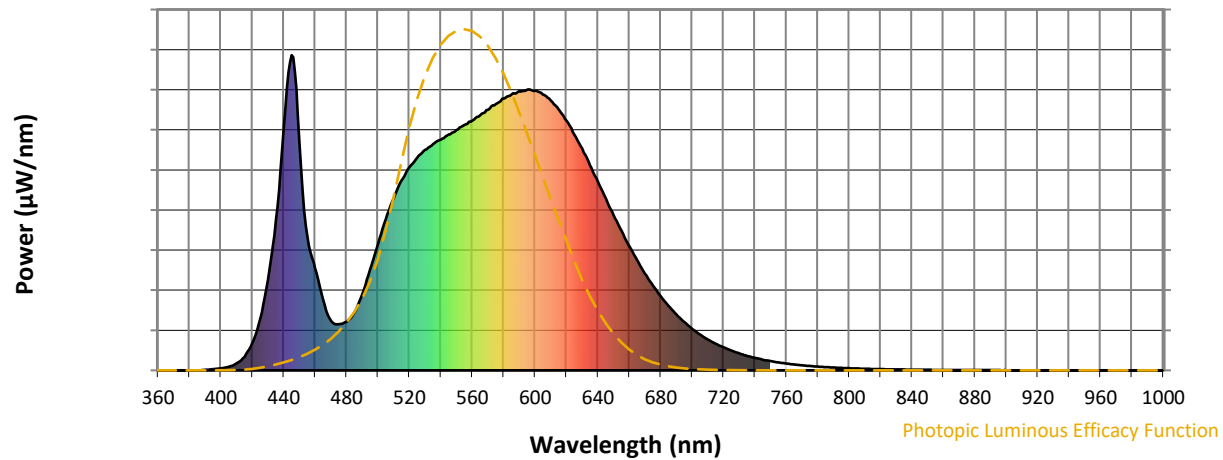


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

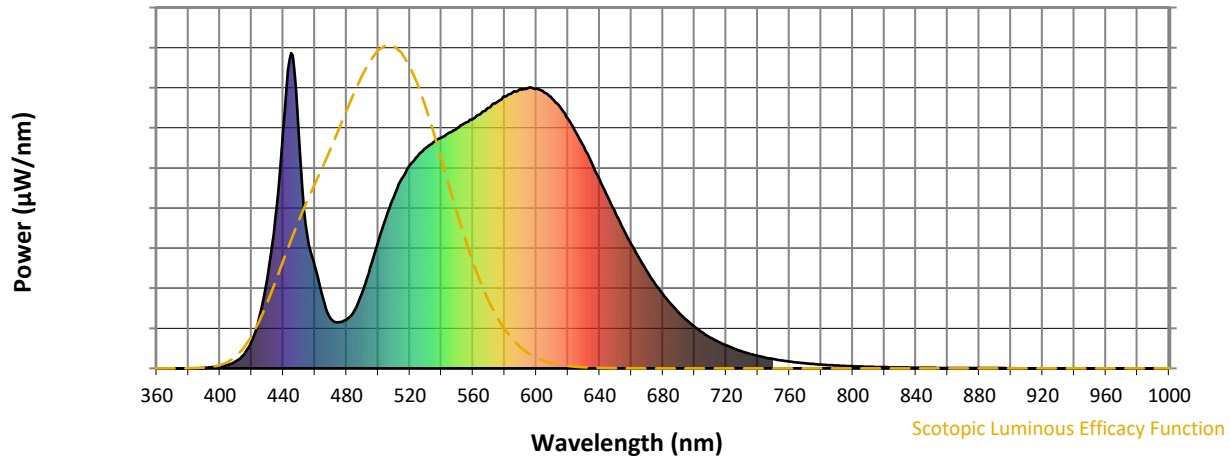


Photopic Lumens: NR

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	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



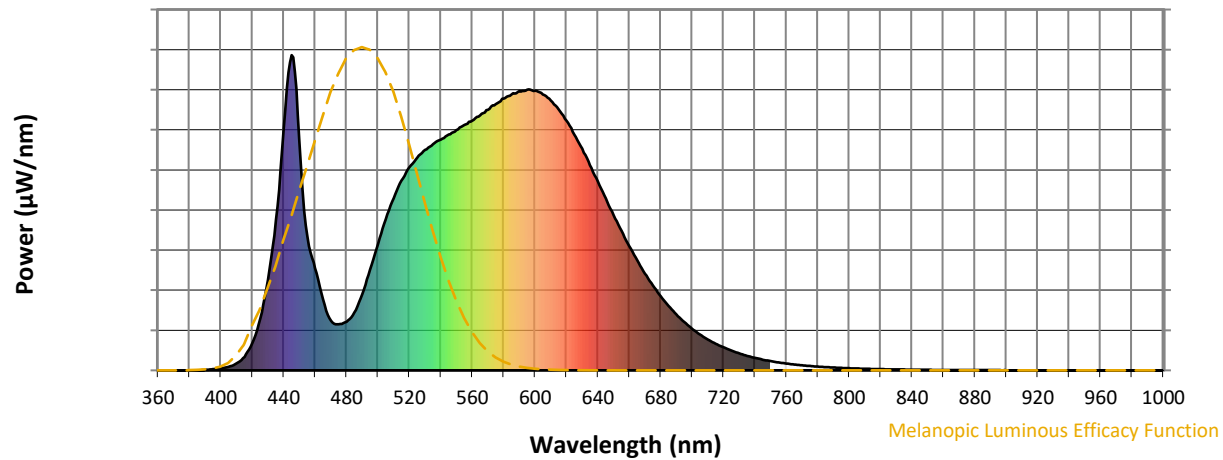
Scotopic Lumens: NR

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

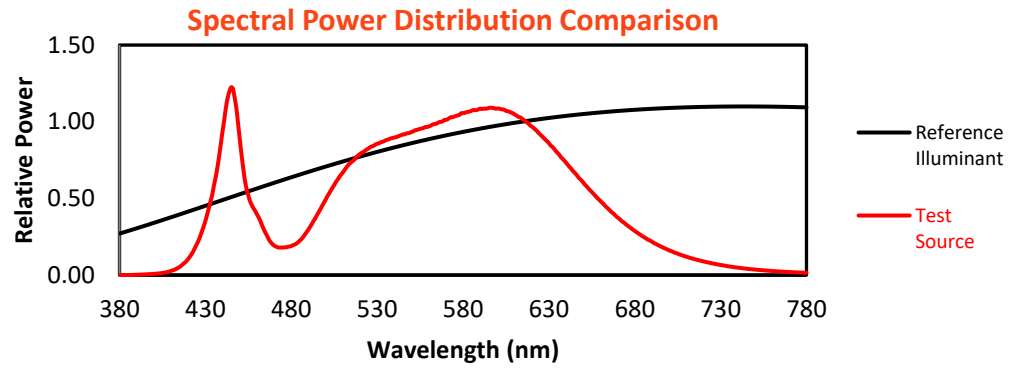
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401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

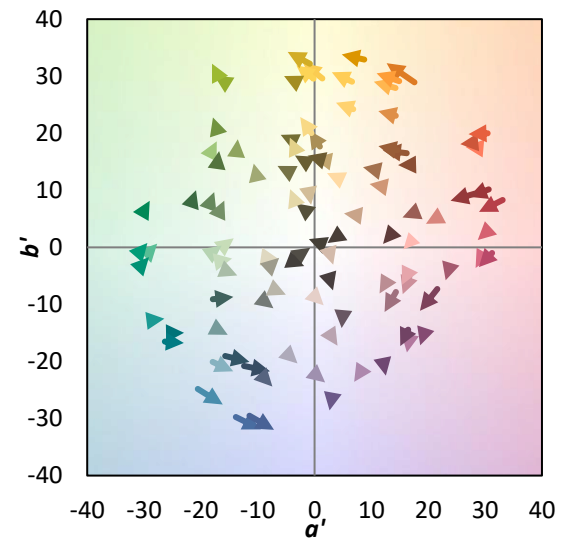
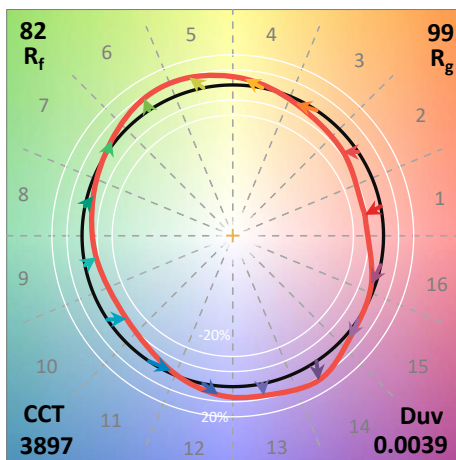
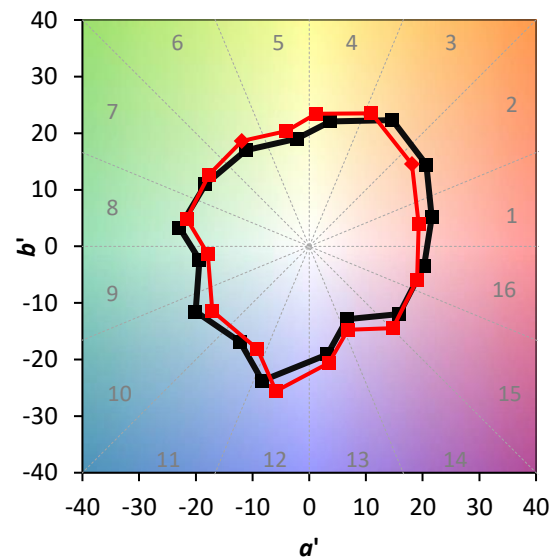
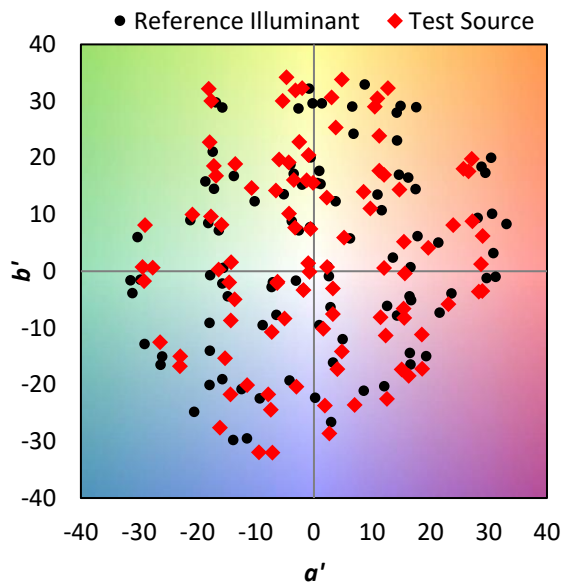
TM-30-18

Summary

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

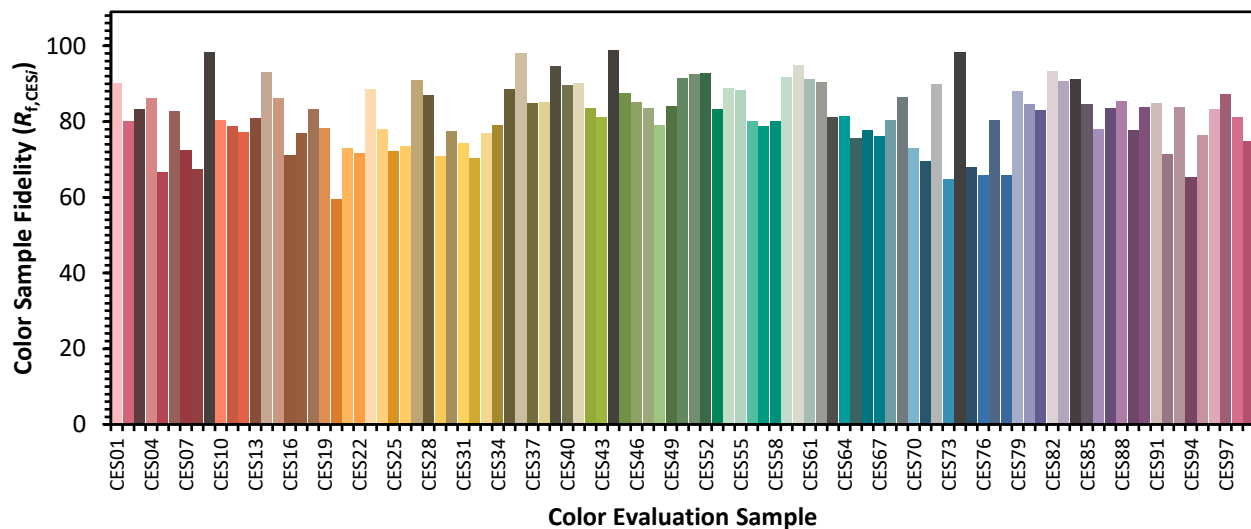


Color Vector Graphics

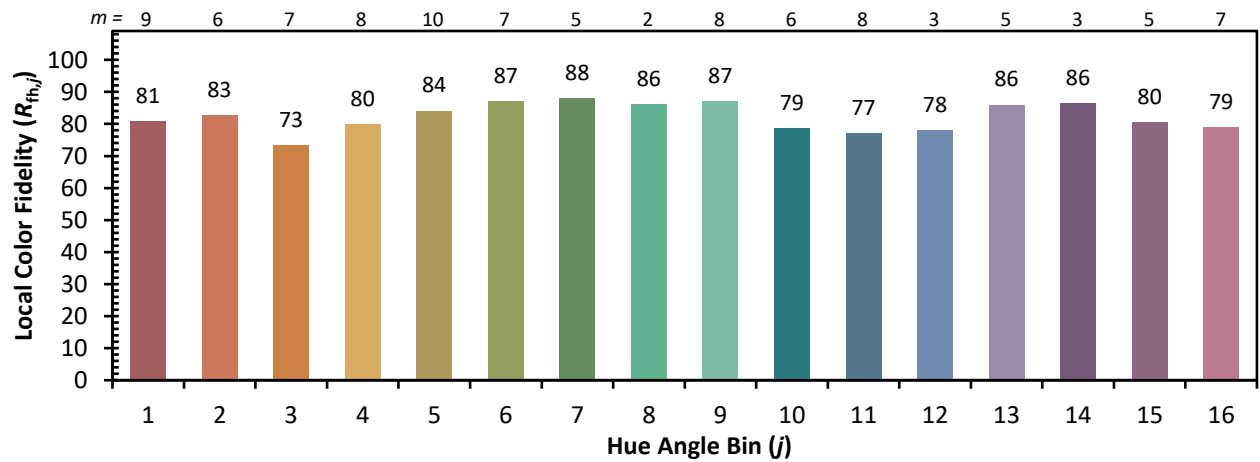
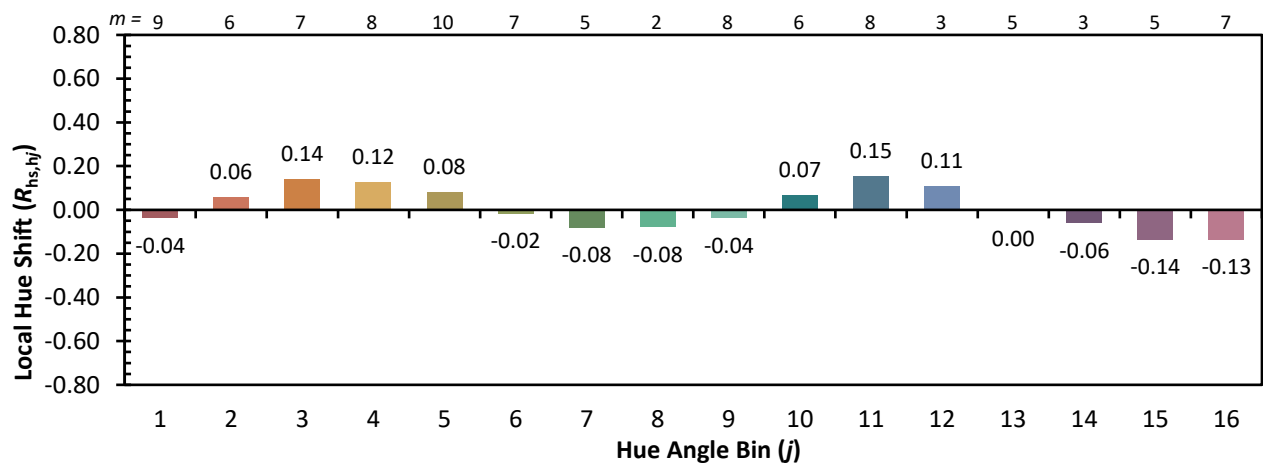
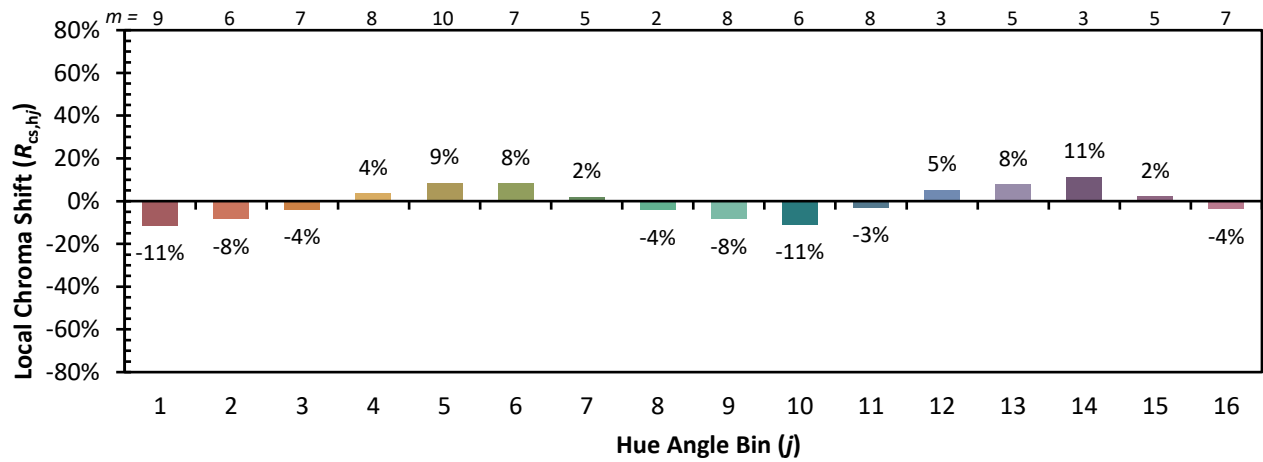


Individual Sample Fidelity Index ($R_{f,i}$)

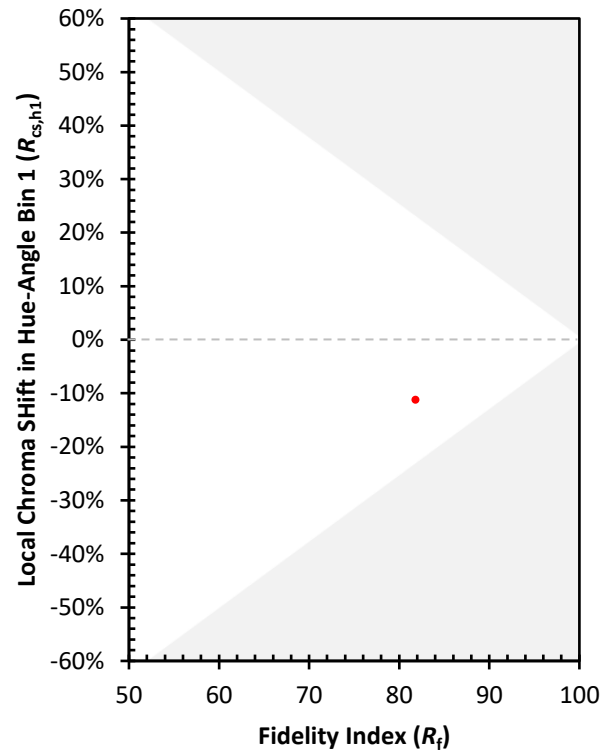
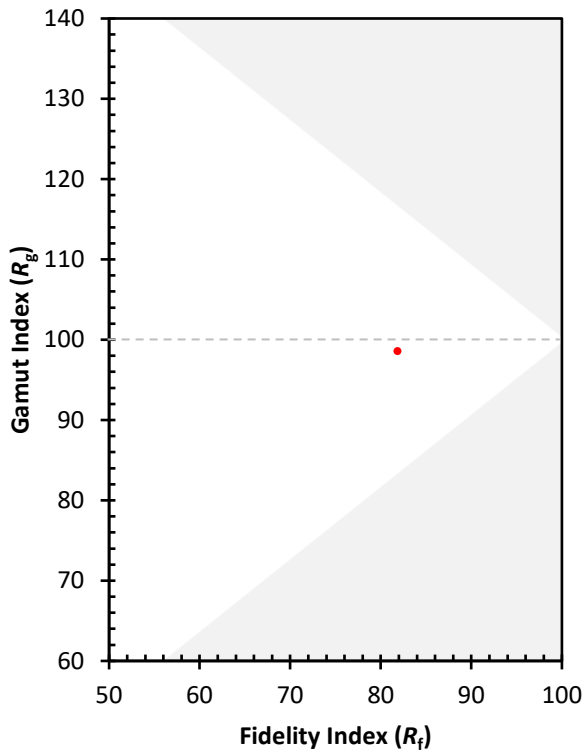
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 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)