

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: P1047386

Luminaire Tested: **GALN-SA4B-840-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047386
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-840-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17216.3 lumens
Efficiency: N/A
Efficacy: 119.5 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): 144.1
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

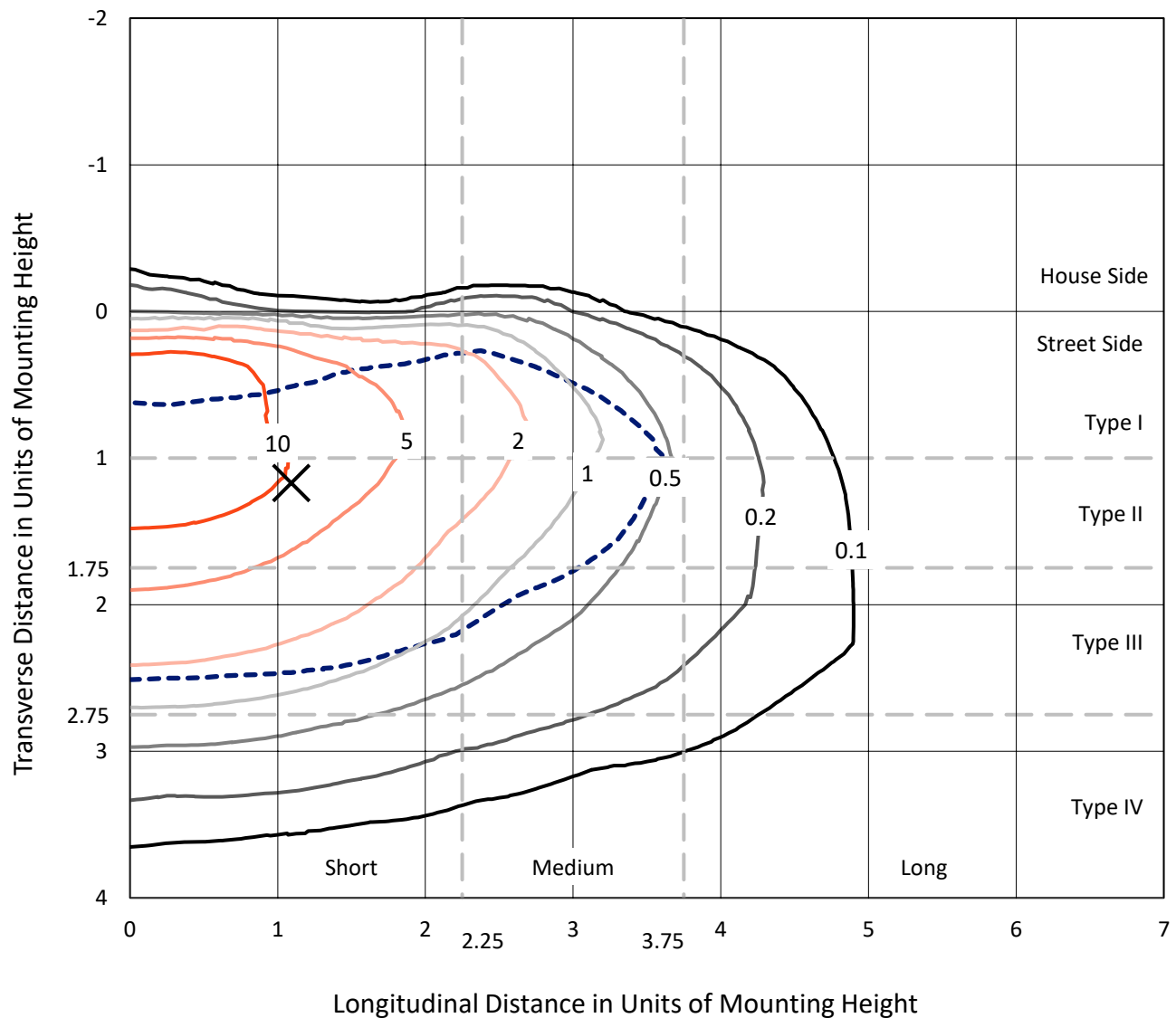


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

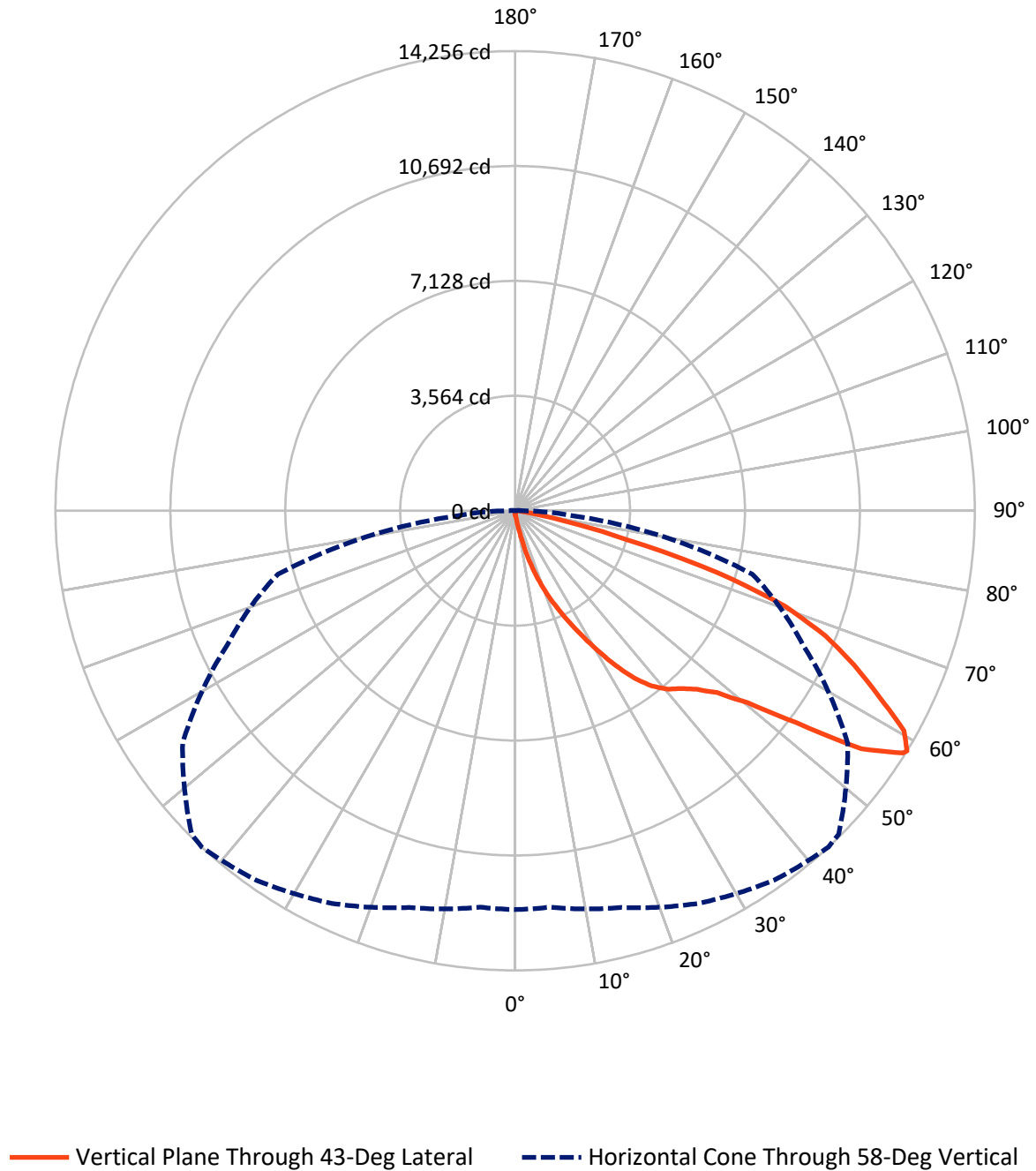


Based on 15 foot mounting height. Maximum calculated value = 19.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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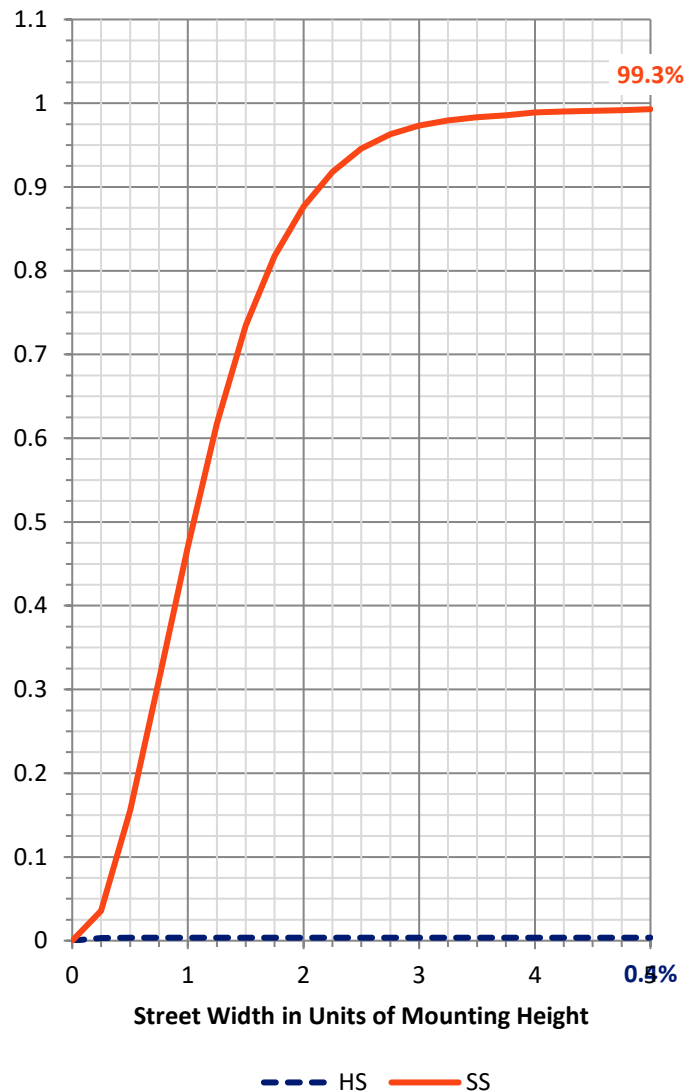
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	62.8	0.0	62.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17153.4	0.0	17153.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	17216.3	0.0	17216.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.1
10°-20°	197.9	1.1
20°-30°	713.3	4.1
30°-40°	1632.0	9.5
40°-50°	2752.5	16.0
50°-60°	4542.3	26.4
60°-70°	5076.7	29.5
70°-80°	2096.1	12.2
80°-90°	189.0	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°	17216.3	100.0
0°-180°	17216.3	100.0



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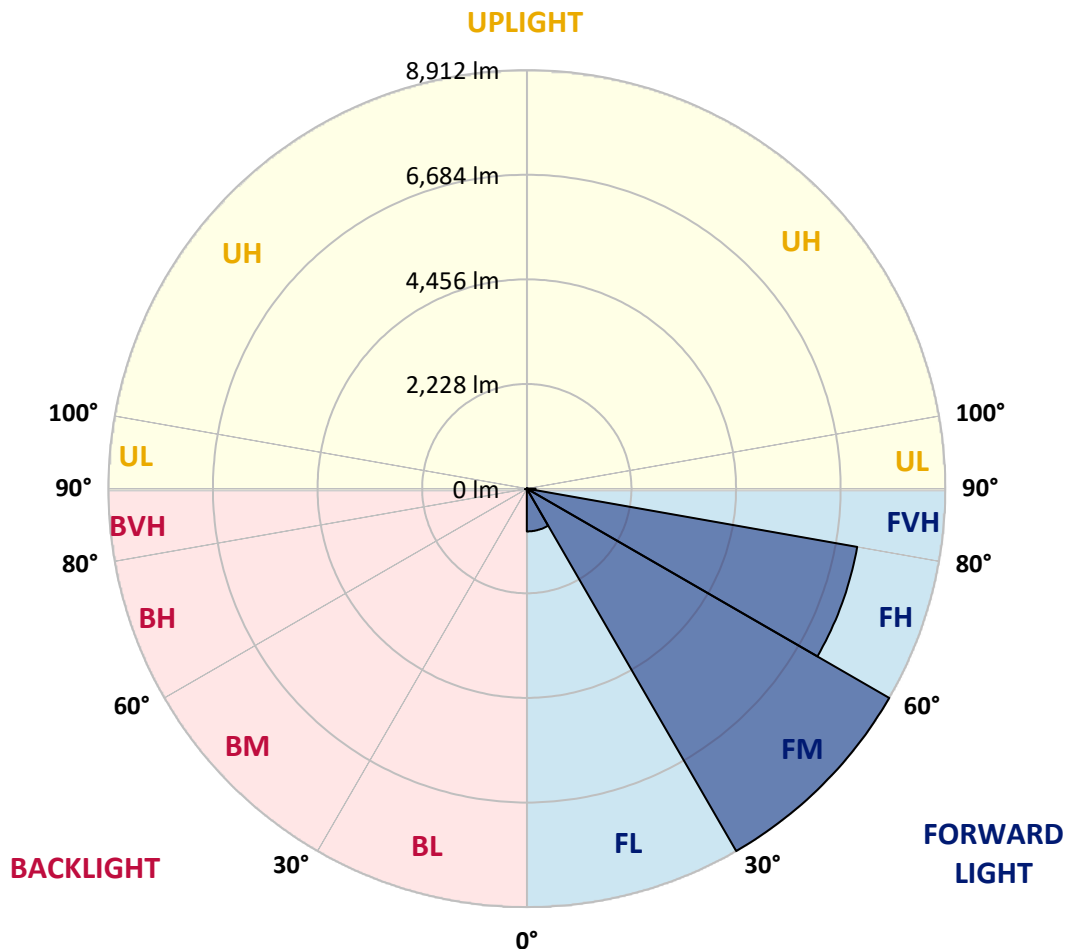
CATALOG NUMBER: GALN-SA4B-840-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	911.3	5.3			
FM	(30°-60°)	8911.8	51.8			
FH	(60°-80°)	7144.0	41.5			G3/7500
FVH	(80°-90°)	186.4	1.1			G2/225
BL	(0°-30°)	16.4	0.1	B0/110		
BM	(30°-60°)	15.1	0.1	B0/220		
BH	(60°-80°)	28.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.6	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
2.5°	135.1	139.6	135.1	135.1	135.1	130.6	130.6	126.1	126.1	121.6	117.1
5°	198.1	198.1	184.6	175.6	166.6	162.1	157.6	148.6	139.6	130.6	121.6
7.5°	441.3	441.3	400.7	346.7	274.7	234.1	225.1	184.6	157.6	139.6	121.6
10°	1053.6	1053.6	963.6	815.0	630.4	468.3	418.8	265.7	189.1	148.6	126.1
12.5°	1751.6	1774.1	1661.5	1472.4	1197.7	914.1	815.0	486.3	252.2	162.1	126.1
15°	2377.5	2323.4	2291.9	2111.8	1850.6	1512.9	1386.9	819.5	364.7	184.6	126.1
17.5°	2800.7	2800.7	2755.7	2634.1	2395.5	2098.3	1994.7	1323.8	589.9	211.6	130.6
20°	3296.0	3296.0	3215.0	3129.4	2917.8	2665.6	2566.6	1882.2	914.1	270.2	130.6
22.5°	3894.9	3903.9	3813.8	3660.8	3458.1	3179.0	3093.4	2400.0	1323.8	360.2	135.1
25°	4624.3	4633.4	4502.8	4358.7	4048.0	3746.3	3615.7	2994.3	1823.6	504.3	135.1
27.5°	5430.3	5493.4	5299.8	5052.1	4723.4	4345.2	4246.1	3530.2	2318.9	711.4	144.1
30°	6434.5	6434.5	6177.8	5831.1	5475.4	5007.1	4881.0	4093.0	2845.8	986.1	153.1
32.5°	7299.0	7231.5	6902.7	6538.0	6159.8	5723.0	5587.9	4682.9	3386.1	1328.3	171.1
35°	7960.9	7902.4	7497.1	7105.4	6776.7	6375.9	6213.8	5322.3	3957.9	1715.6	198.1
37.5°	8528.2	8505.7	7956.4	7465.6	7249.5	6898.2	6754.2	5925.6	4520.8	2134.3	229.6
40°	9149.6	9077.6	8492.2	7884.4	7560.2	7276.5	7145.9	6411.9	5061.1	2625.1	274.7
42.5°	9681.0	9595.4	9068.6	8474.2	7920.4	7537.6	7411.6	6821.7	5587.9	3115.9	333.2
45°	10270.8	10225.8	9694.5	9244.2	8505.7	7893.4	7726.8	7150.4	6069.7	3701.3	409.8
47.5°	11157.9	11076.8	10581.5	10212.3	9356.8	8433.7	8195.0	7488.1	6533.5	4277.6	526.8
50°	12189.0	12135.0	11842.3	11549.6	10698.6	9356.8	9073.1	7974.4	7051.3	4962.1	679.9
52.5°	13031.0	13022.0	13058.0	13062.5	12418.6	10910.2	10487.0	8757.9	7645.7	5637.5	896.1
55°	13013.0	13053.5	13449.8	13904.6	13954.1	13031.0	12621.3	10077.2	8420.2	6470.5	1197.7
57.5°	12526.7	12495.2	12913.9	13598.4	14080.2	14179.2	14111.7	12126.0	9586.4	7474.6	1661.5
58°	12369.1	12342.1	12738.3	13436.3	13990.1	14255.8	14188.2	12589.7	9847.6	7618.7	1787.6
60°	11797.3	11801.8	12035.9	12670.8	13224.6	13855.0	13918.1	13913.6	11148.9	8582.3	2422.5
62.5°	11040.8	11004.8	11220.9	11738.7	12225.0	12648.3	12756.4	14003.6	13053.5	9807.0	3633.7
65°	9996.2	9942.1	10171.8	10757.1	11279.4	11554.1	11558.6	12796.9	13949.6	11121.8	5362.8
67.5°	8055.5	8010.4	8469.7	9221.7	10027.7	10387.9	10550.0	11103.8	13193.1	12013.4	6353.4
70°	4935.0	5029.6	5669.0	6848.7	8226.6	8888.5	9131.6	9302.7	11234.4	11878.3	5313.3
72.5°	2278.4	2165.8	2710.7	3534.7	5106.1	6578.5	6830.7	7501.6	8906.5	10311.3	3962.4
75°	1062.7	1022.1	1148.2	1544.5	2314.4	3552.7	4012.0	5988.7	6830.7	7172.9	2859.3
77.5°	544.8	549.3	652.9	702.4	954.6	1643.5	1886.7	3939.9	5007.1	4003.0	1918.2
80°	238.6	247.7	252.2	274.7	387.2	634.9	715.9	1828.1	3422.1	2039.8	1049.1
82.5°	153.1	157.6	157.6	157.6	184.6	252.2	288.2	734.0	1706.6	1013.1	324.2
85°	81.0	81.0	90.1	112.6	130.6	153.1	162.1	234.1	562.8	301.7	76.5
87.5°	45.0	49.5	54.0	67.5	85.6	103.6	112.6	162.1	216.1	207.1	18.0
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: P1047386

CATALOG NUMBER: GALN-SA4B-840-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
2.5°	117.1	112.6	108.1	103.6	99.1	94.6	94.6	94.6	94.6	94.6	94.6
5°	112.6	108.1	103.6	94.6	85.6	81.0	76.5	72.0	72.0	72.0	72.0
7.5°	112.6	108.1	94.6	85.6	76.5	67.5	58.5	58.5	58.5	58.5	58.5
10°	112.6	103.6	90.1	76.5	63.0	54.0	49.5	45.0	45.0	45.0	45.0
12.5°	112.6	99.1	85.6	67.5	54.0	45.0	40.5	36.0	36.0	36.0	36.0
15°	112.6	99.1	81.0	63.0	49.5	36.0	31.5	27.0	27.0	27.0	27.0
17.5°	108.1	94.6	76.5	54.0	40.5	27.0	22.5	18.0	18.0	22.5	22.5
20°	103.6	90.1	67.5	45.0	31.5	22.5	13.5	13.5	13.5	13.5	13.5
22.5°	103.6	90.1	63.0	40.5	27.0	13.5	9.0	9.0	9.0	9.0	13.5
25°	103.6	85.6	54.0	31.5	18.0	9.0	4.5	4.5	4.5	4.5	4.5
27.5°	103.6	85.6	49.5	27.0	13.5	9.0	4.5	0.0	0.0	0.0	0.0
30°	99.1	81.0	45.0	22.5	9.0	4.5	0.0	0.0	0.0	0.0	0.0
32.5°	99.1	76.5	36.0	18.0	9.0	4.5	0.0	0.0	0.0	0.0	0.0
35°	103.6	72.0	31.5	13.5	4.5	0.0	0.0	0.0	0.0	0.0	4.5
37.5°	108.1	67.5	27.0	9.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	112.6	63.0	27.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	121.6	63.0	22.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	130.6	63.0	18.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	148.6	67.5	18.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	162.1	72.0	13.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	180.1	67.5	13.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	202.6	67.5	13.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	220.6	63.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	229.6	58.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	274.7	54.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	427.8	45.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	869.0	40.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1621.0	36.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1814.6	40.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1143.7	31.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	603.4	31.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	301.7	31.5	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	139.6	22.5	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	58.5	13.5	9.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.0	13.5	9.0	9.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0
87.5°	13.5	13.5	13.5	9.0	9.0	4.5	4.5	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

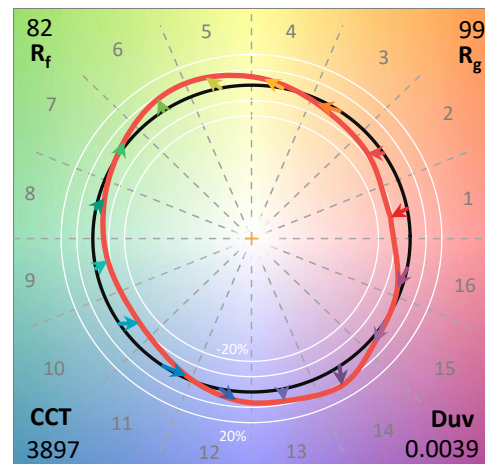
Test Information

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

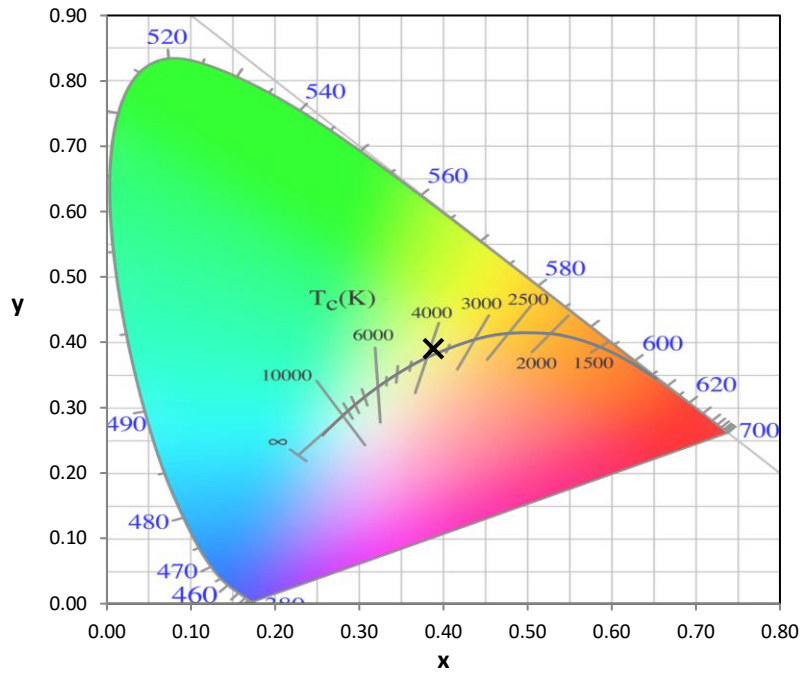
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

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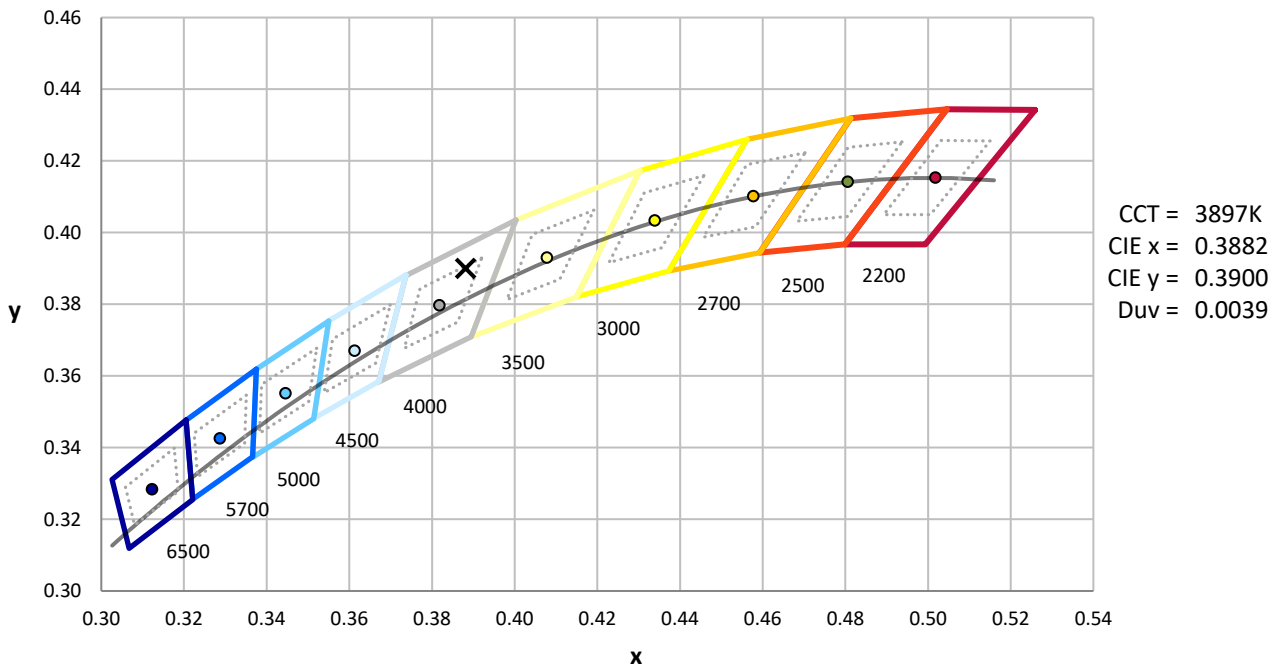
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



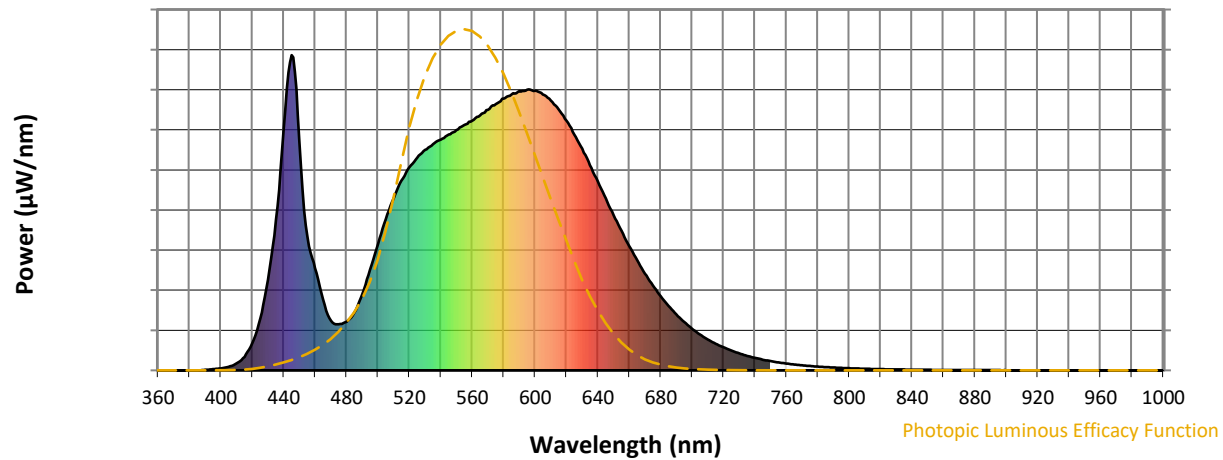
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

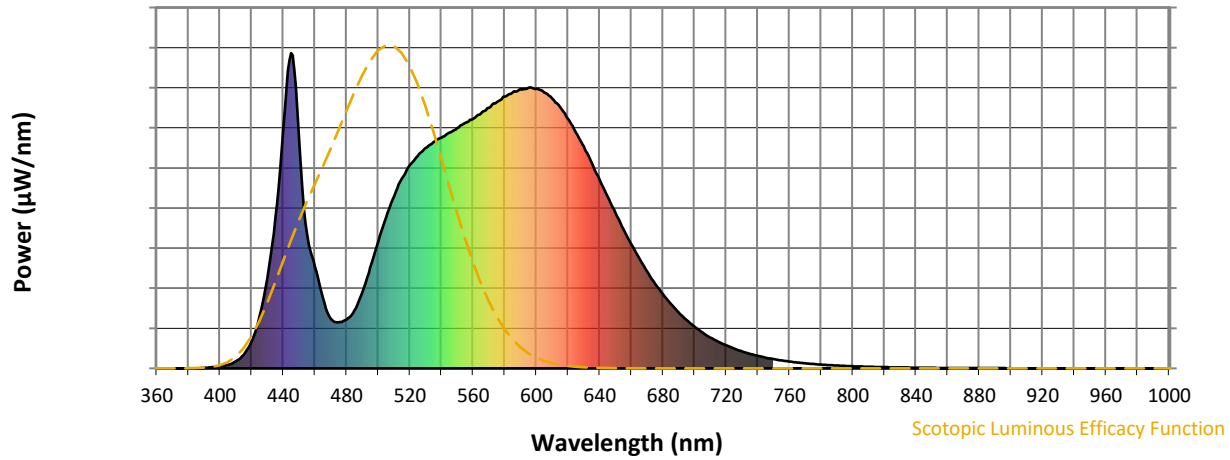


Photopic Lumens: NR

λ (nm)	Power W [^] /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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Scotopic Flux vs. Wavelength



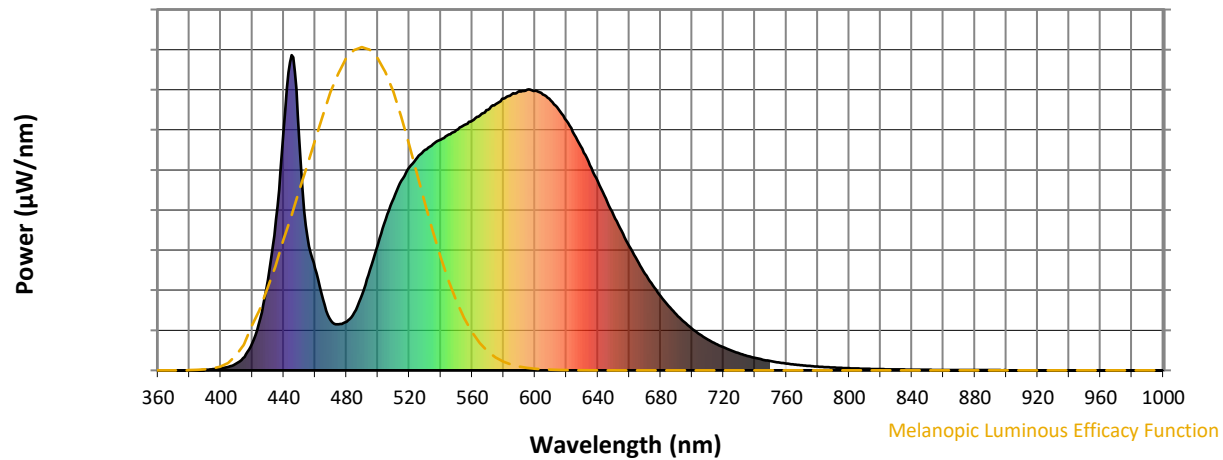
Scotopic Lumens: NR

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

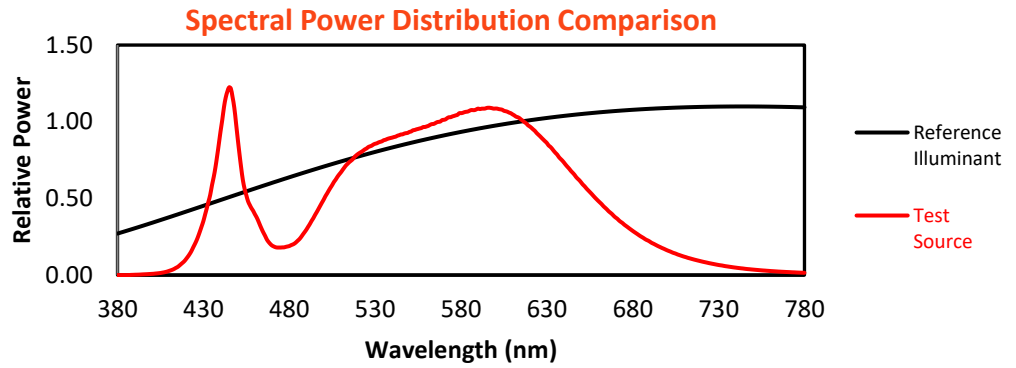
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242	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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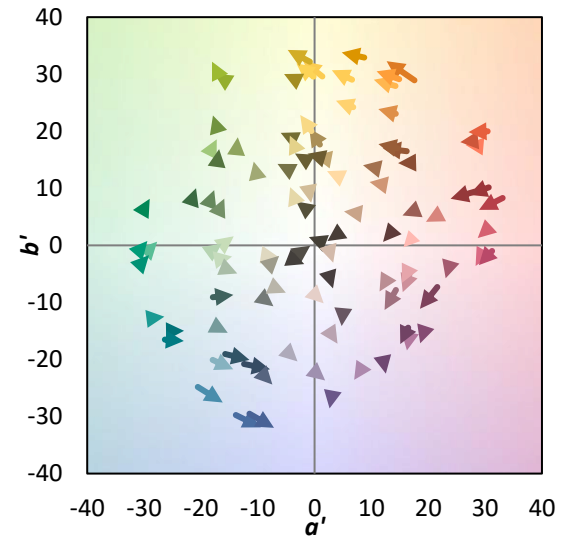
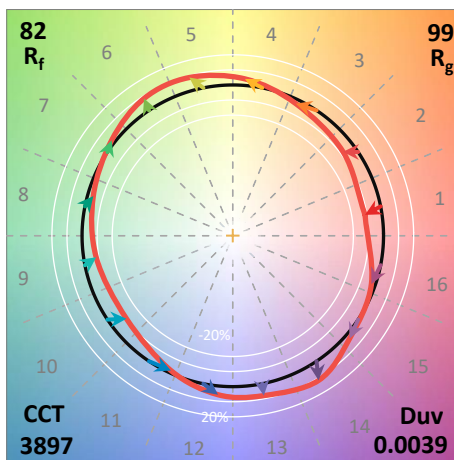
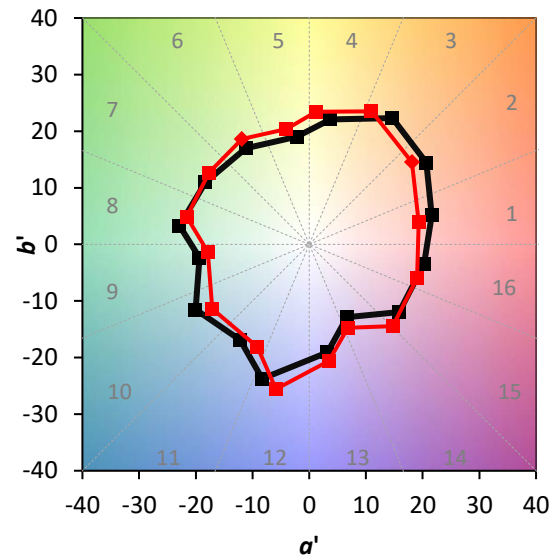
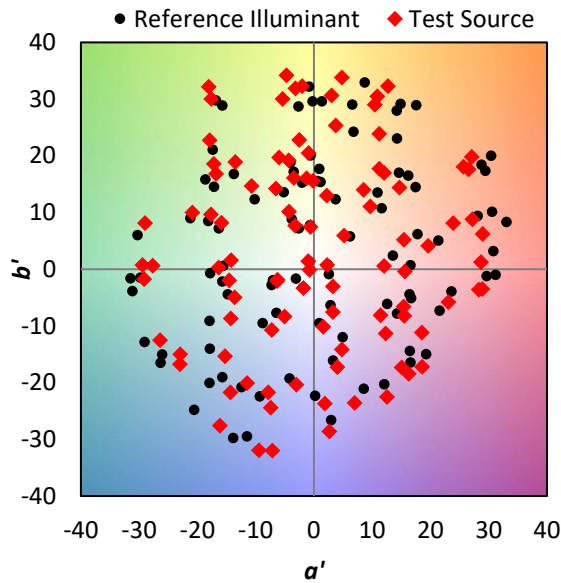
TM-30-18

Summary

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

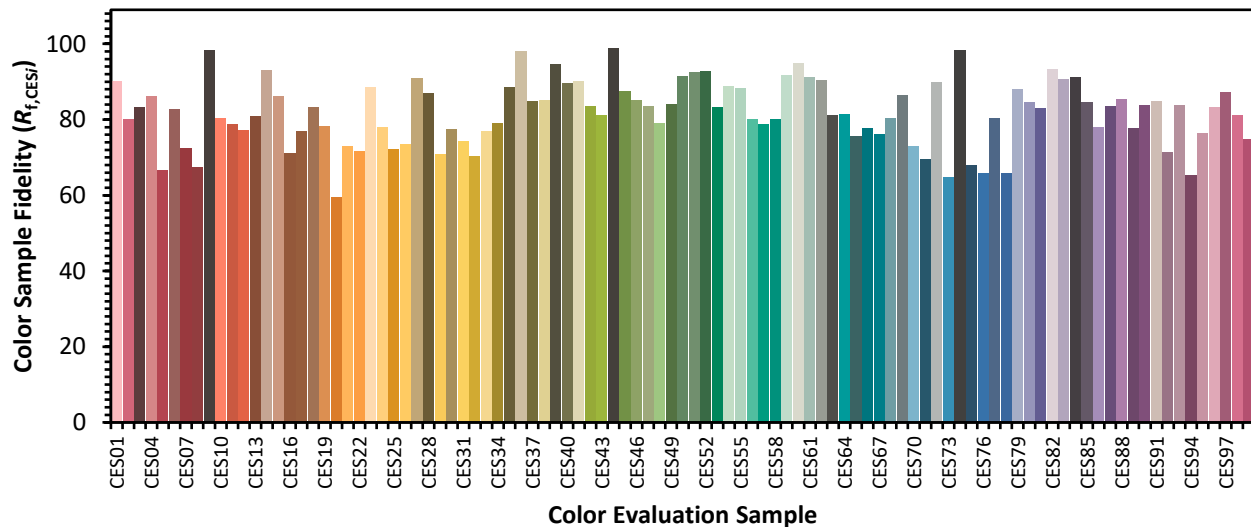


Color Vector Graphics

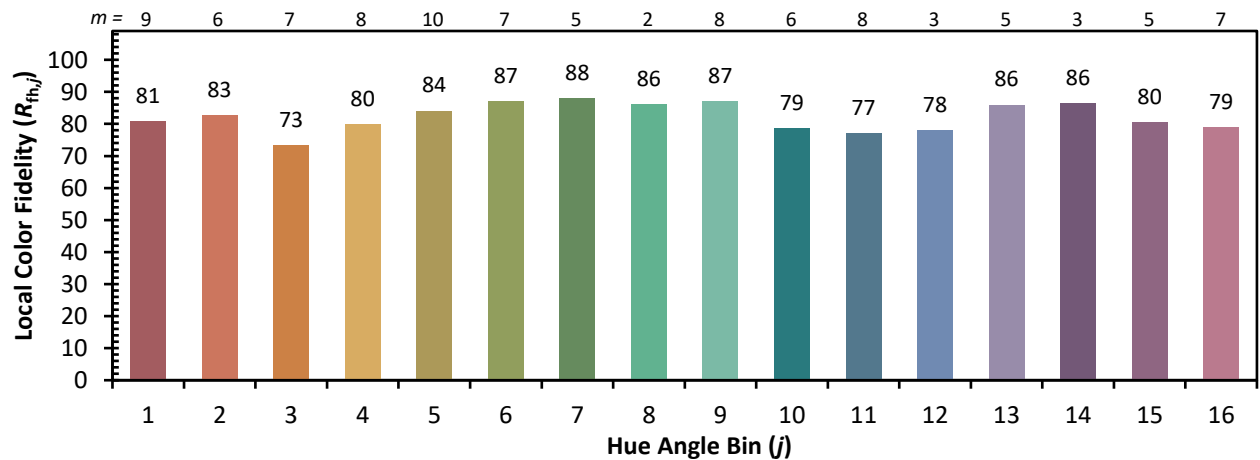
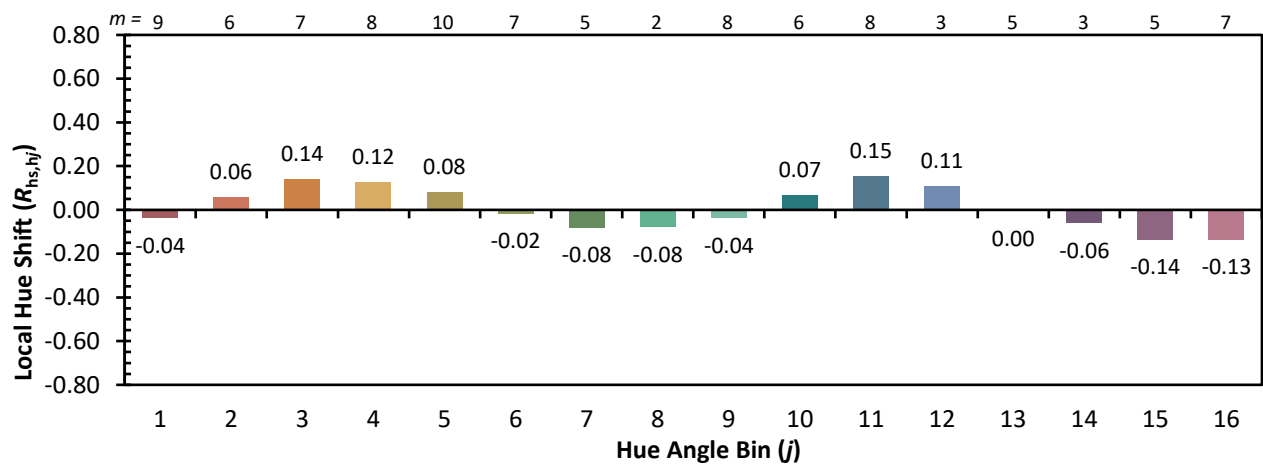
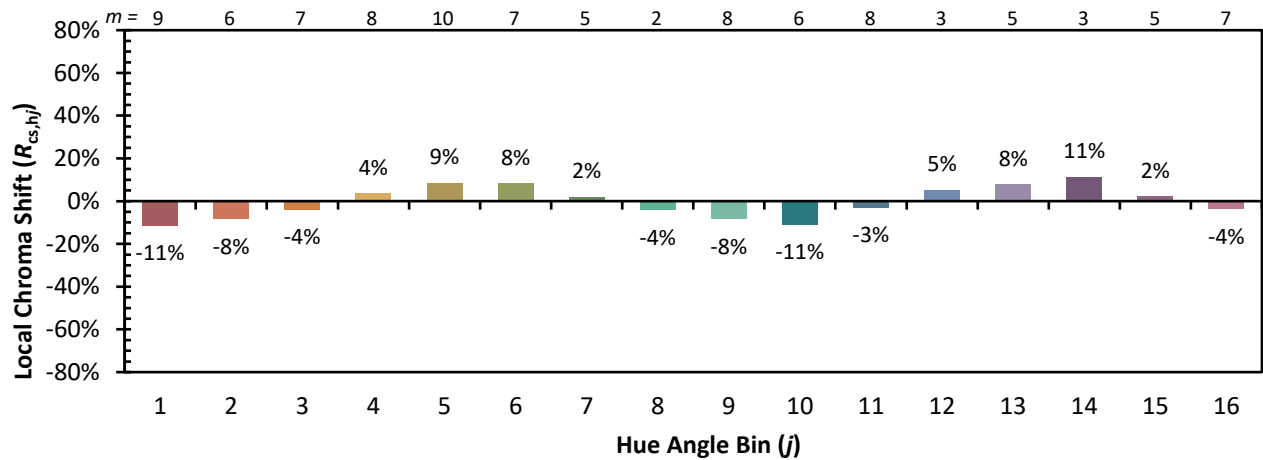


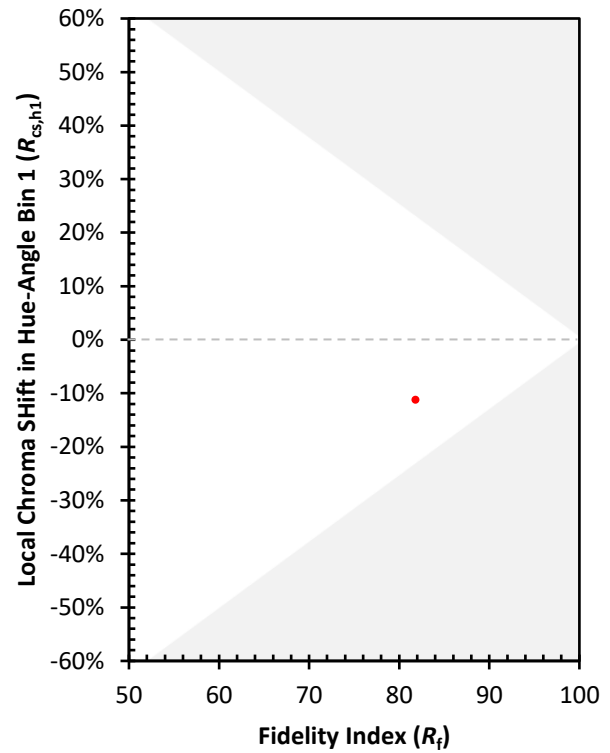
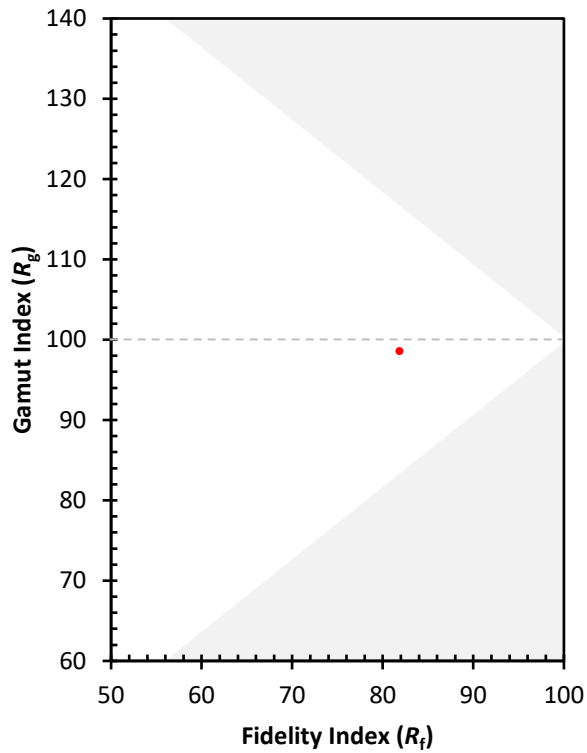
Individual Sample Fidelity Index ($R_{f,i}$)

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)