

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: P1047385

Luminaire Tested: **GALN-SA4A-840-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047385
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-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 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: 13922.5 lumens
Efficiency: N/A
Efficacy: 129.6 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): 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

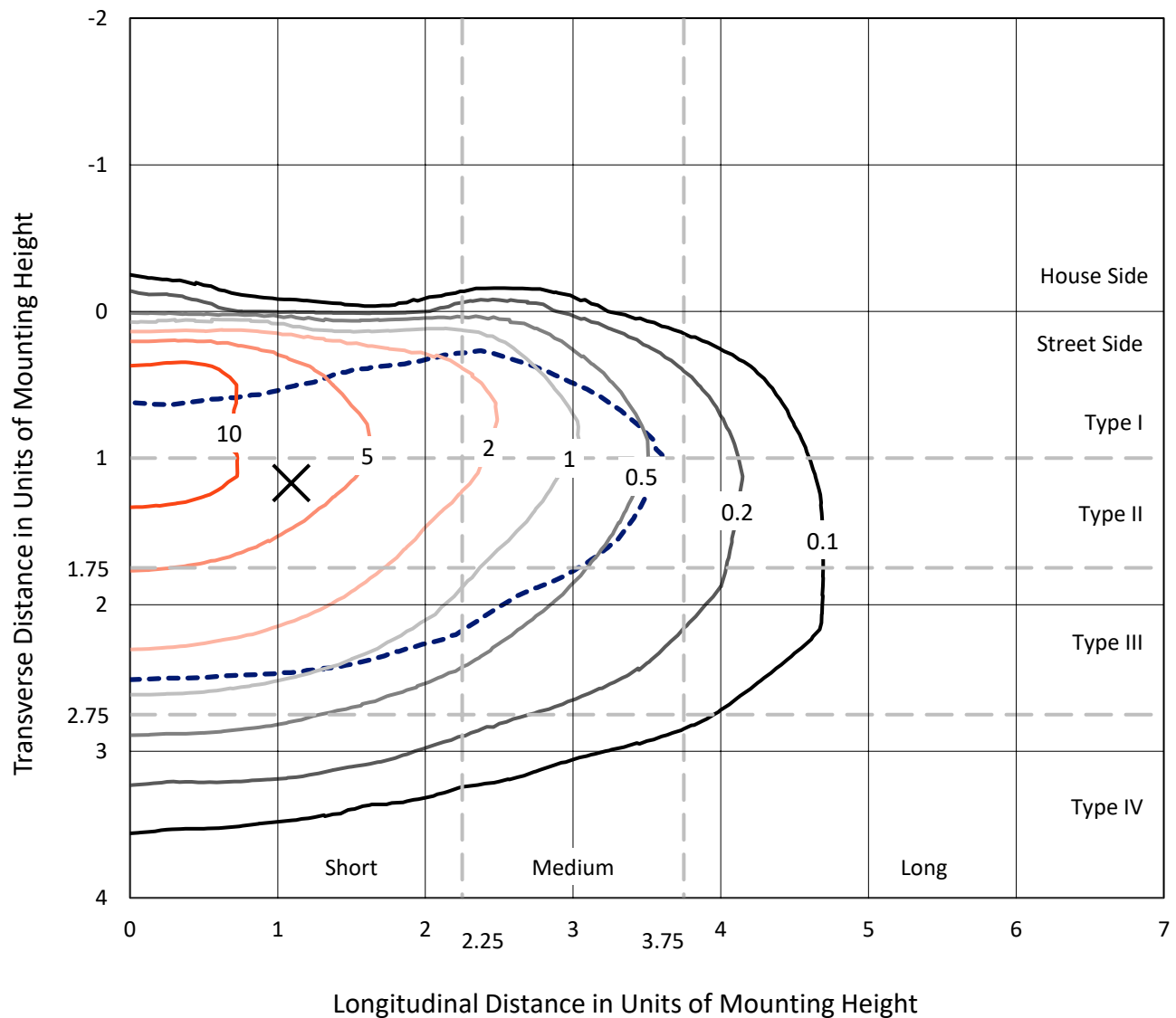


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

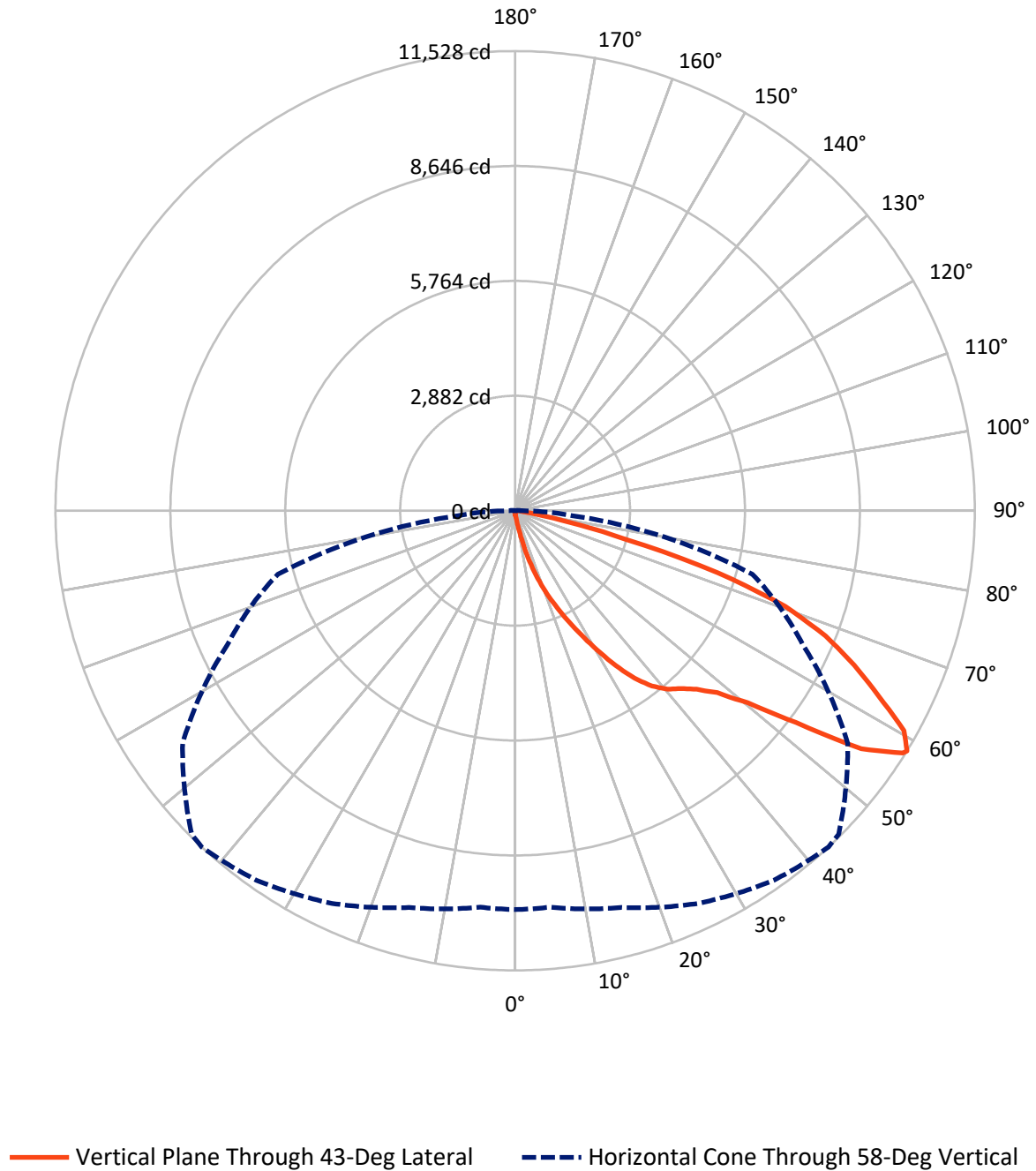


Based on 15 foot mounting height. Maximum calculated value = 15.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	50.8	0.0	50.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13871.7	0.0	13871.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	13922.5	0.0	13922.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.1
10°-20°	160.0	1.1
20°-30°	576.8	4.1
30°-40°	1319.8	9.5
40°-50°	2225.9	16.0
50°-60°	3673.3	26.4
60°-70°	4105.4	29.5
70°-80°	1695.1	12.2
80°-90°	152.8	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°	13922.5	100.0
0°-180°	13922.5	100.0



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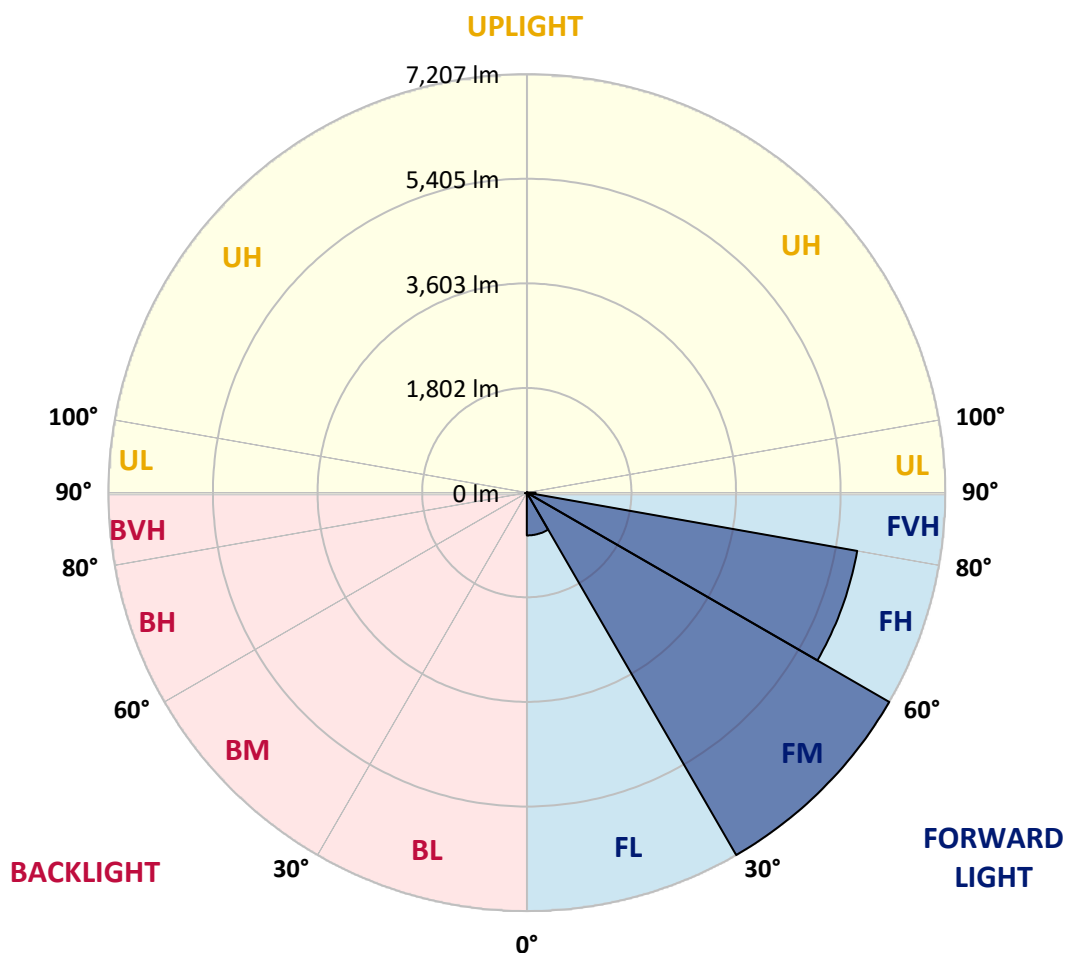
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	736.9	5.3			
FM	(30°-60°)	7206.8	51.8			
FH	(60°-80°)	5777.2	41.5			G3/7500
FVH	(80°-90°)	150.7	1.1			G2/225
BL	(0°-30°)	13.3	0.1	B0/110		
BM	(30°-60°)	12.2	0.1	B0/220		
BH	(60°-80°)	23.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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°	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2.5°	109.2	112.9	109.2	109.2	109.2	105.6	105.6	102.0	102.0	98.3	94.7
5°	160.2	160.2	149.3	142.0	134.7	131.1	127.4	120.2	112.9	105.6	98.3
7.5°	356.8	356.8	324.1	280.4	222.1	189.3	182.1	149.3	127.4	112.9	98.3
10°	852.1	852.1	779.2	659.1	509.8	378.7	338.6	214.8	152.9	120.2	102.0
12.5°	1416.5	1434.7	1343.6	1190.7	968.6	739.2	659.1	393.3	203.9	131.1	102.0
15°	1922.6	1878.9	1853.4	1707.8	1496.6	1223.5	1121.5	662.7	294.9	149.3	102.0
17.5°	2264.9	2264.9	2228.5	2130.2	1937.2	1696.9	1613.1	1070.5	477.0	171.1	105.6
20°	2665.4	2665.4	2599.9	2530.7	2359.6	2155.7	2075.5	1522.1	739.2	218.5	105.6
22.5°	3149.7	3157.0	3084.2	2960.4	2796.5	2570.8	2501.6	1940.8	1070.5	291.3	109.2
25°	3739.6	3746.9	3641.3	3524.8	3273.5	3029.6	2924.0	2421.5	1474.7	407.8	109.2
27.5°	4391.4	4442.4	4285.8	4085.5	3819.7	3513.9	3433.8	2854.8	1875.3	575.3	116.5
30°	5203.4	5203.4	4995.9	4715.5	4427.8	4049.1	3947.2	3310.0	2301.3	797.4	123.8
32.5°	5902.6	5847.9	5582.1	5287.2	4981.3	4628.1	4518.9	3787.0	2738.3	1074.2	138.4
35°	6437.8	6390.5	6062.8	5746.0	5480.2	5156.1	5025.0	4304.0	3200.7	1387.3	160.2
37.5°	6896.6	6878.4	6434.2	6037.3	5862.5	5578.5	5462.0	4792.0	3655.9	1726.0	185.7
40°	7399.1	7340.9	6867.5	6375.9	6113.8	5884.4	5778.8	5185.2	4092.8	2122.9	222.1
42.5°	7828.8	7759.6	7333.6	6852.9	6405.1	6095.6	5993.6	5516.6	4518.9	2519.8	269.5
45°	8305.8	8269.4	7839.7	7475.6	6878.4	6383.2	6248.5	5782.4	4908.5	2993.2	331.4
47.5°	9023.2	8957.6	8557.1	8258.5	7566.6	6820.2	6627.2	6055.5	5283.5	3459.2	426.0
50°	9857.0	9813.3	9576.6	9340.0	8651.8	7566.6	7337.2	6448.8	5702.3	4012.7	549.8
52.5°	10537.9	10530.7	10559.8	10563.4	10042.7	8822.9	8480.6	7082.3	6182.9	4558.9	724.6
55°	10523.4	10556.2	10876.6	11244.4	11284.4	10537.9	10206.6	8149.3	6809.2	5232.6	968.6
57.5°	10130.1	10104.6	10443.3	10996.8	11386.4	11466.5	11411.9	9806.0	7752.3	6044.6	1343.6
58°	10002.7	9980.8	10301.3	10865.7	11313.5	11528.4	11473.8	10181.1	7963.5	6161.1	1445.6
60°	9540.2	9543.9	9733.2	10246.6	10694.5	11204.3	11255.3	11251.6	9015.9	6940.3	1959.0
62.5°	8928.5	8899.4	9074.1	9492.9	9886.2	10228.4	10315.8	11324.5	10556.2	7930.8	2938.5
65°	8083.7	8040.0	8225.7	8699.1	9121.5	9343.6	9347.2	10348.6	11280.8	8994.0	4336.8
67.5°	6514.3	6477.9	6849.3	7457.4	8109.2	8400.5	8531.6	8979.5	10669.0	9715.0	5137.9
70°	3990.9	4067.3	4584.4	5538.4	6652.7	7187.9	7384.6	7522.9	9085.1	9605.8	4296.7
72.5°	1842.5	1751.5	2192.1	2858.4	4129.2	5320.0	5523.9	6066.4	7202.5	8338.6	3204.4
75°	859.3	826.6	928.5	1249.0	1871.6	2873.0	3244.4	4842.9	5523.9	5800.6	2312.2
77.5°	440.6	444.2	528.0	568.0	772.0	1329.1	1525.7	3186.1	4049.1	3237.1	1551.2
80°	193.0	200.3	203.9	222.1	313.2	513.4	579.0	1478.4	2767.4	1649.5	848.4
82.5°	123.8	127.4	127.4	127.4	149.3	203.9	233.0	593.5	1380.1	819.3	262.2
85°	65.5	65.5	72.8	91.0	105.6	123.8	131.1	189.3	455.2	244.0	61.9
87.5°	36.4	40.1	43.7	54.6	69.2	83.8	91.0	131.1	174.8	167.5	14.6
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-SA4A-840-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2.5°	94.7	91.0	87.4	83.8	80.1	76.5	76.5	76.5	76.5	76.5	76.5
5°	91.0	87.4	83.8	76.5	69.2	65.5	61.9	58.3	58.3	58.3	58.3
7.5°	91.0	87.4	76.5	69.2	61.9	54.6	47.3	47.3	47.3	47.3	47.3
10°	91.0	83.8	72.8	61.9	51.0	43.7	40.1	36.4	36.4	36.4	36.4
12.5°	91.0	80.1	69.2	54.6	43.7	36.4	32.8	29.1	29.1	29.1	29.1
15°	91.0	80.1	65.5	51.0	40.1	29.1	25.5	21.8	21.8	21.8	21.8
17.5°	87.4	76.5	61.9	43.7	32.8	21.8	18.2	14.6	14.6	18.2	18.2
20°	83.8	72.8	54.6	36.4	25.5	18.2	10.9	10.9	10.9	10.9	10.9
22.5°	83.8	72.8	51.0	32.8	21.8	10.9	7.3	7.3	7.3	7.3	10.9
25°	83.8	69.2	43.7	25.5	14.6	7.3	3.6	3.6	3.6	3.6	3.6
27.5°	83.8	69.2	40.1	21.8	10.9	7.3	3.6	0.0	0.0	0.0	0.0
30°	80.1	65.5	36.4	18.2	7.3	3.6	0.0	0.0	0.0	0.0	0.0
32.5°	80.1	61.9	29.1	14.6	7.3	3.6	0.0	0.0	0.0	0.0	0.0
35°	83.8	58.3	25.5	10.9	3.6	0.0	0.0	0.0	0.0	0.0	3.6
37.5°	87.4	54.6	21.8	7.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	91.0	51.0	21.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	98.3	51.0	18.2	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	105.6	51.0	14.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	120.2	54.6	14.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	131.1	58.3	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	145.7	54.6	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	163.9	54.6	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	178.4	51.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	185.7	47.3	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	222.1	43.7	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	345.9	36.4	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	702.8	32.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1310.9	29.1	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1467.4	32.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	924.9	25.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	487.9	25.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	244.0	25.5	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	112.9	18.2	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	47.3	10.9	7.3	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.8	10.9	7.3	7.3	3.6	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	10.9	10.9	10.9	7.3	7.3	3.6	3.6	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

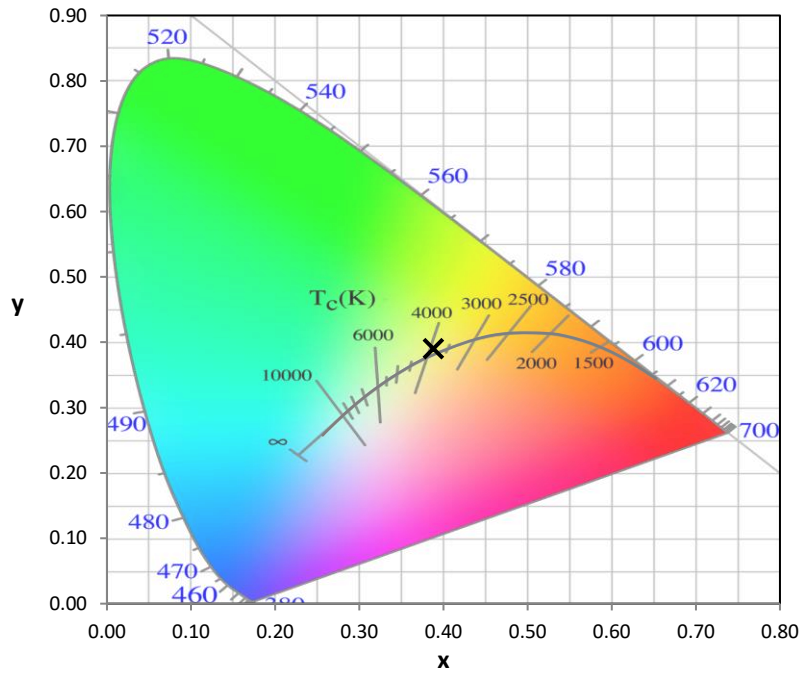
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

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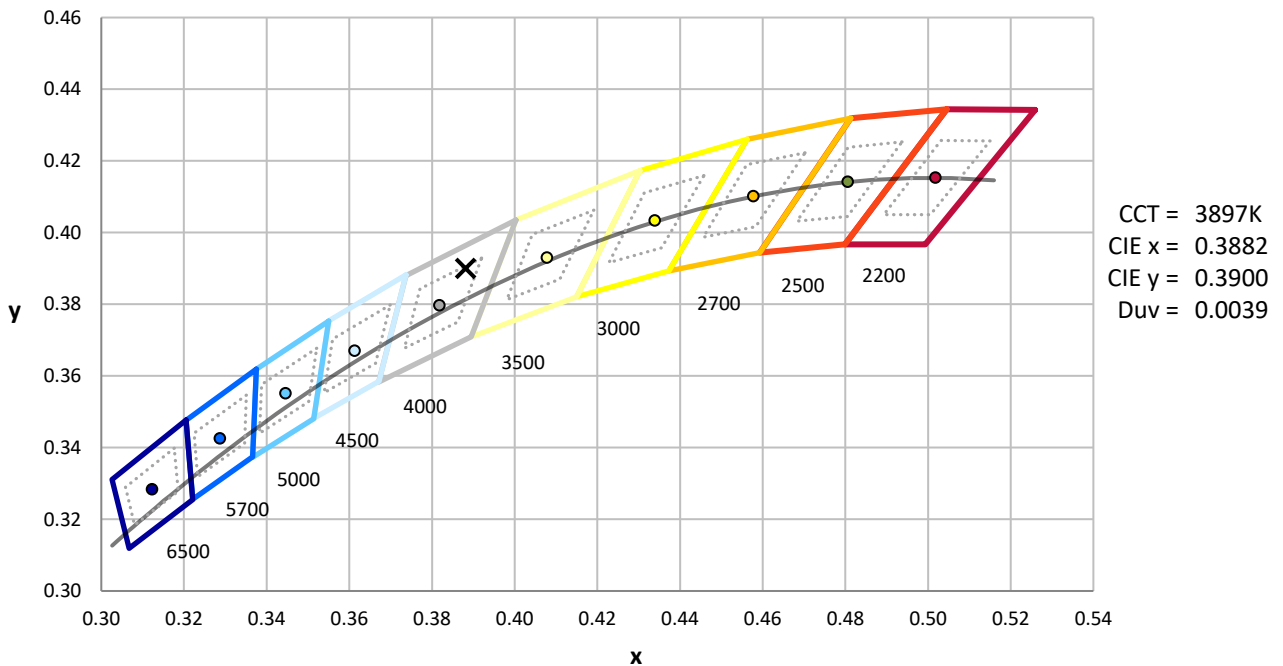
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

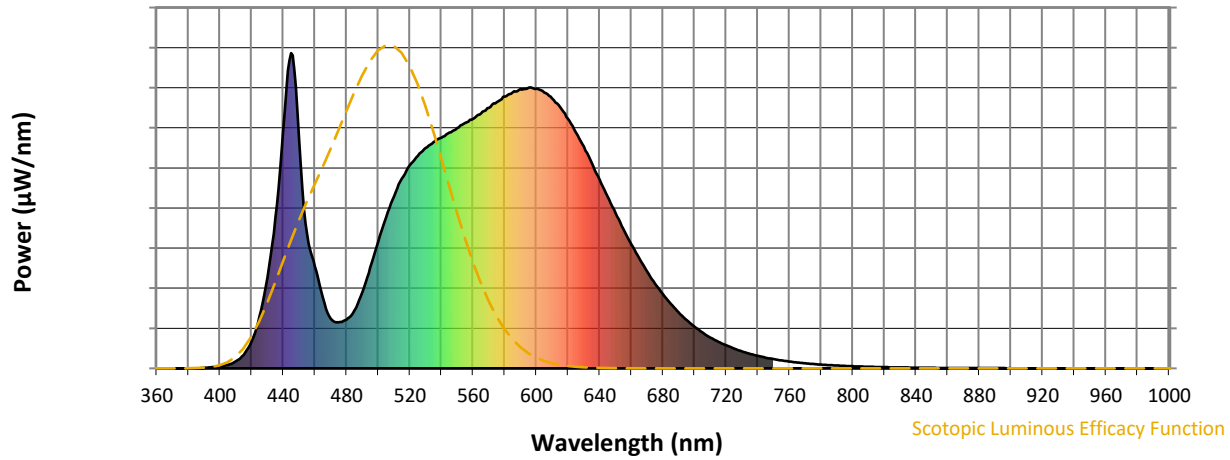


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.57

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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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.06

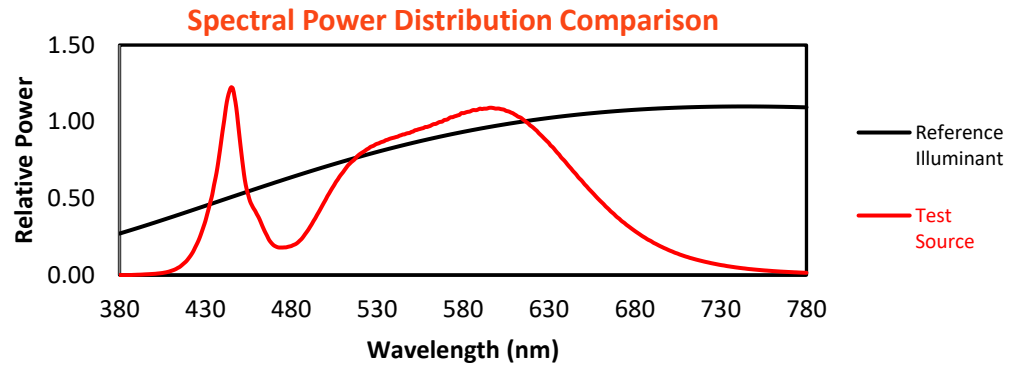
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	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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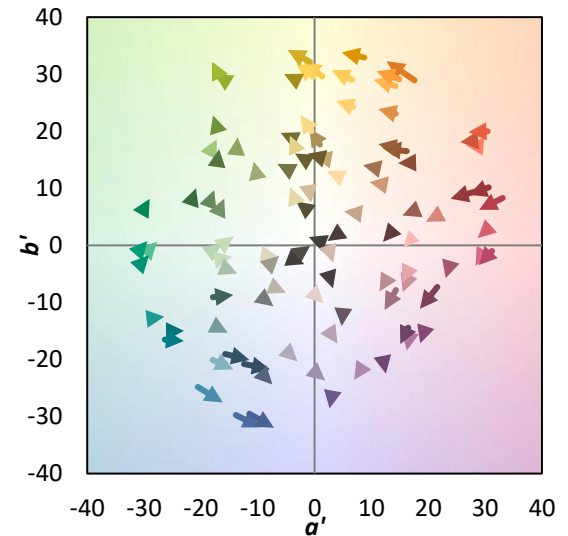
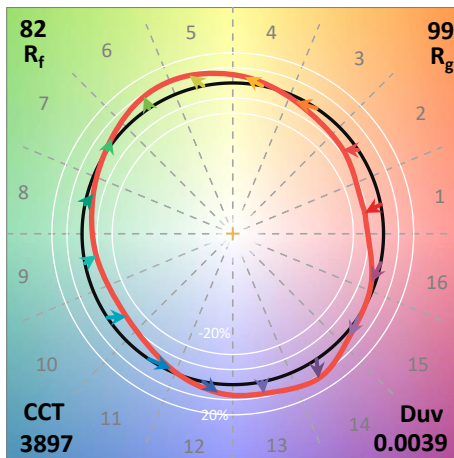
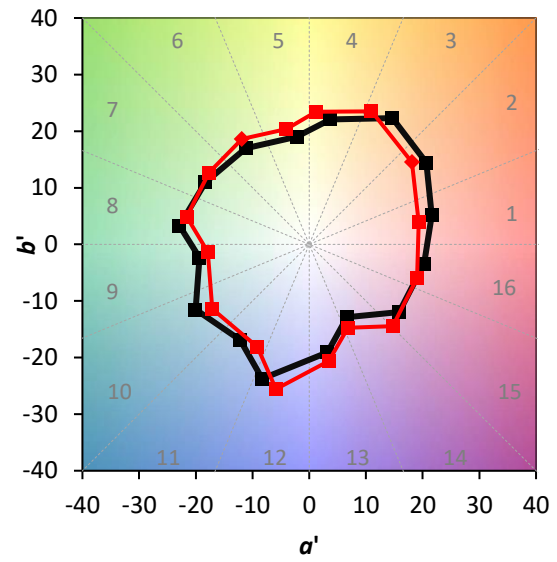
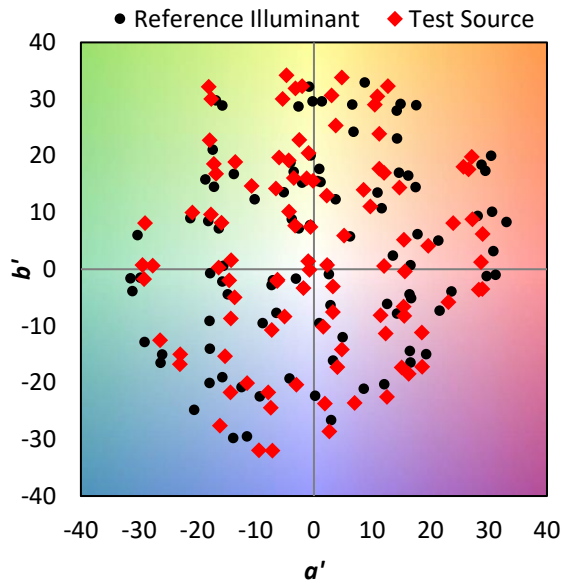
TM-30-18

Summary

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

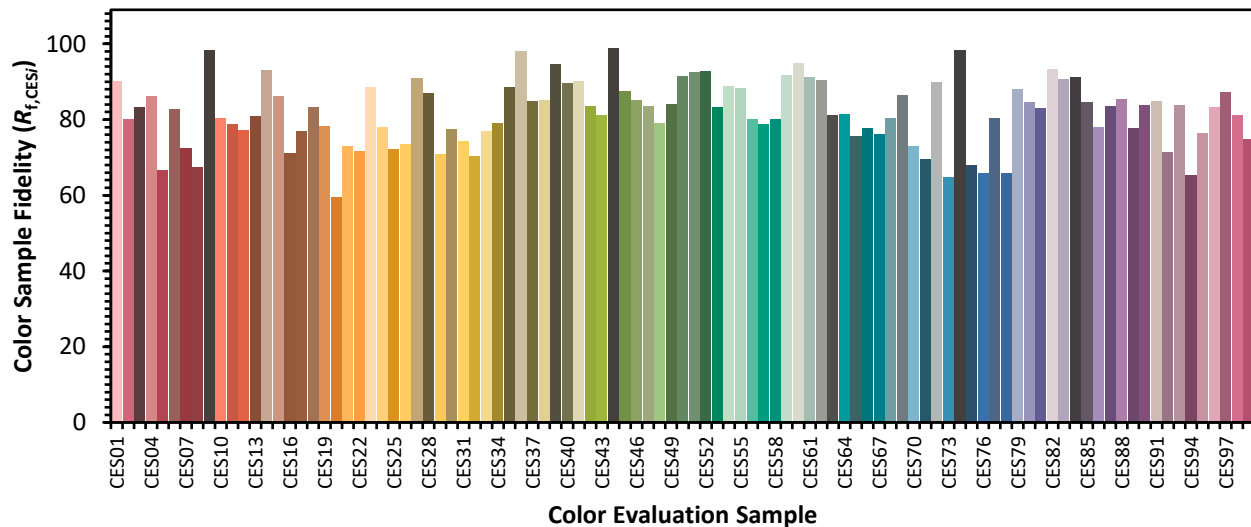


Color Vector Graphics

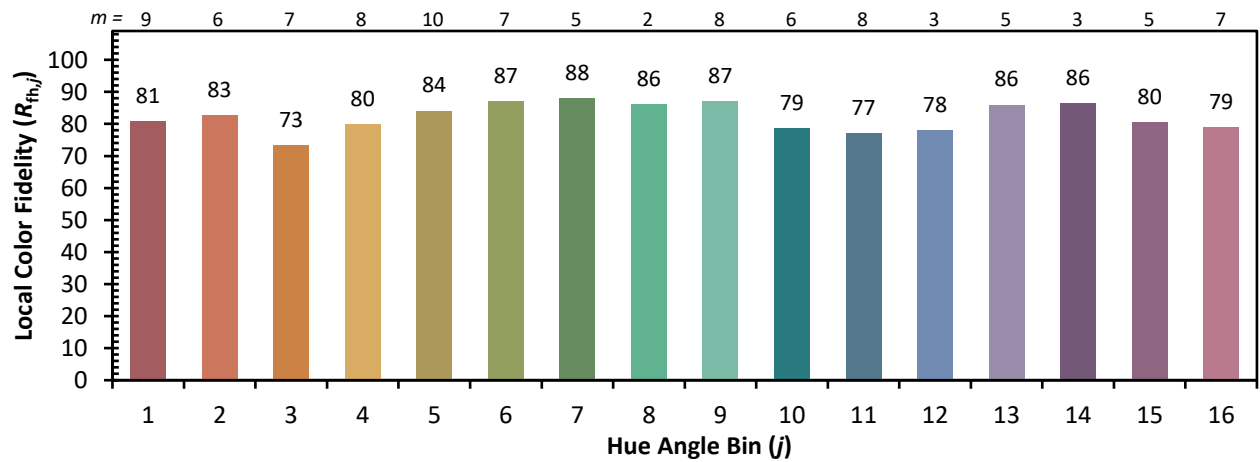
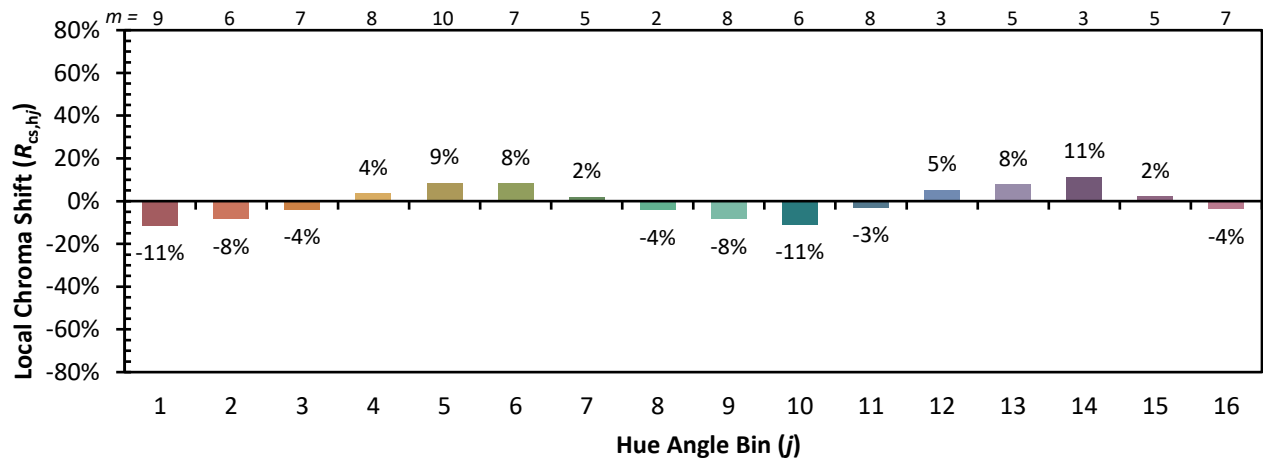


Individual Sample Fidelity Index ($R_{f,i}$)

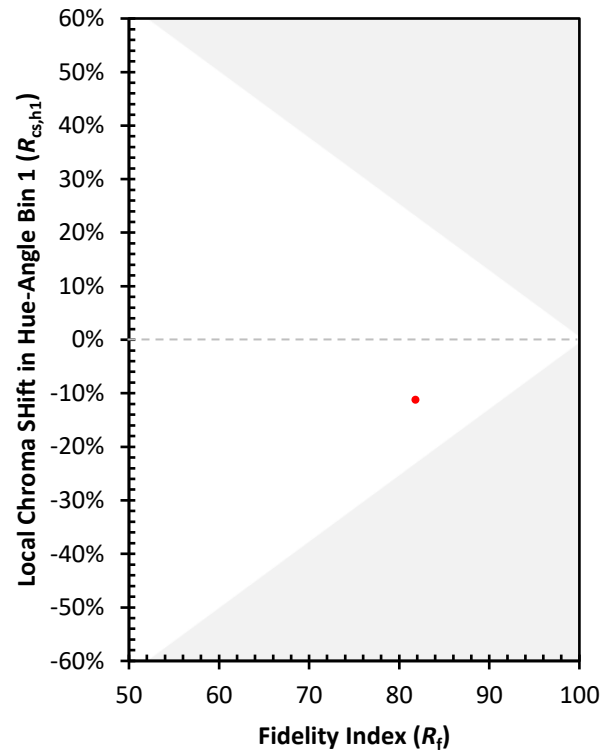
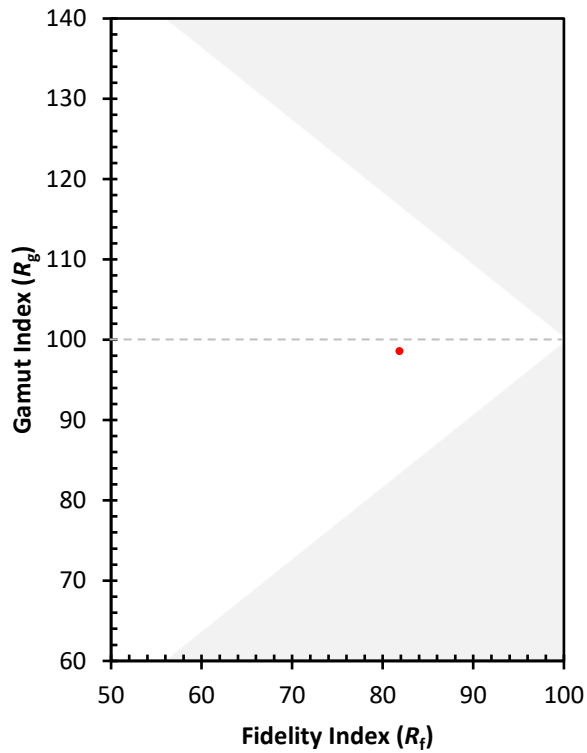
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82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