

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: STREETWORKS

Report Number: P1064233

Luminaire Tested: **GLAN-SA1A-840-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1064233
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-840-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3370.2 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 29
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

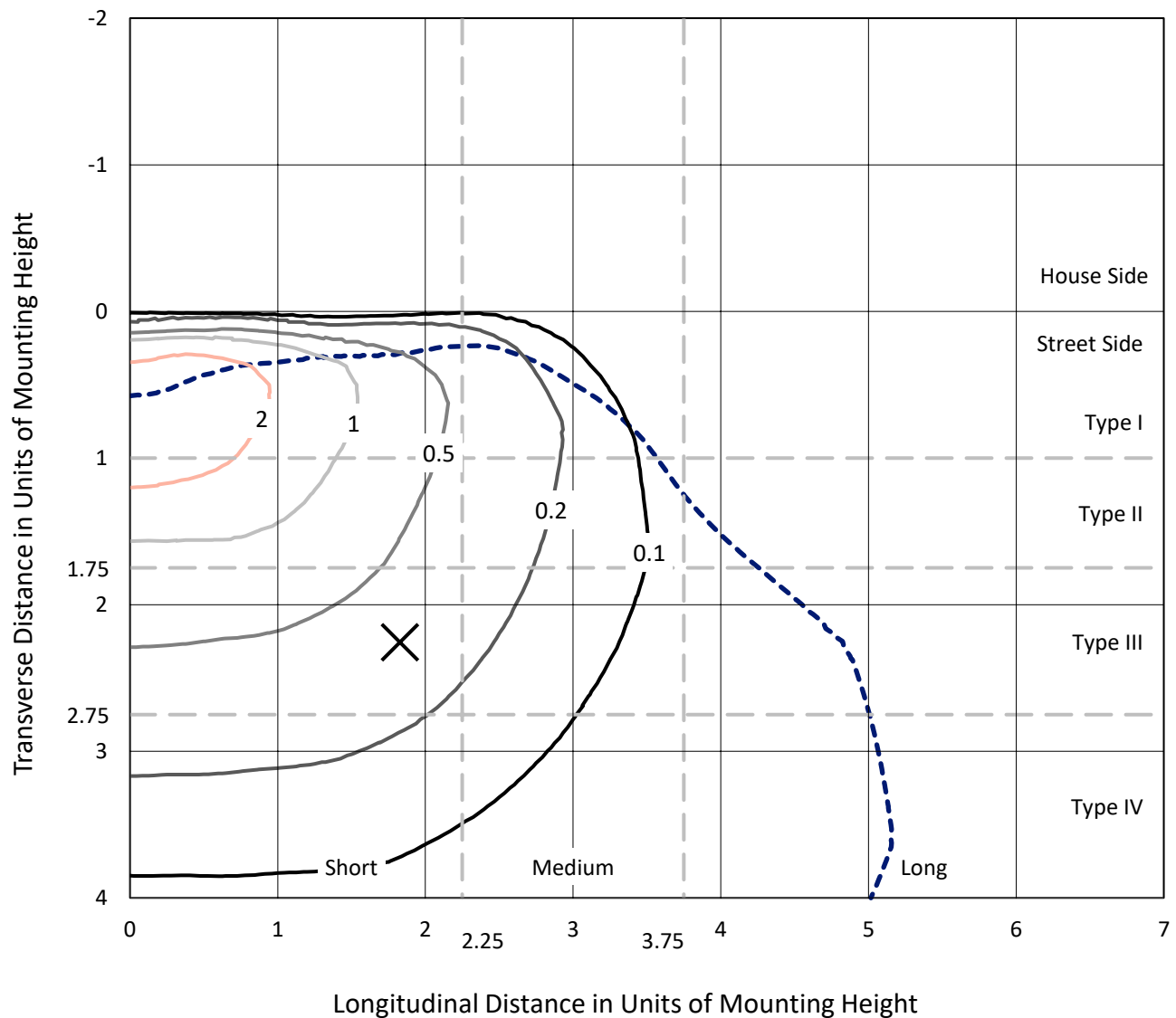


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

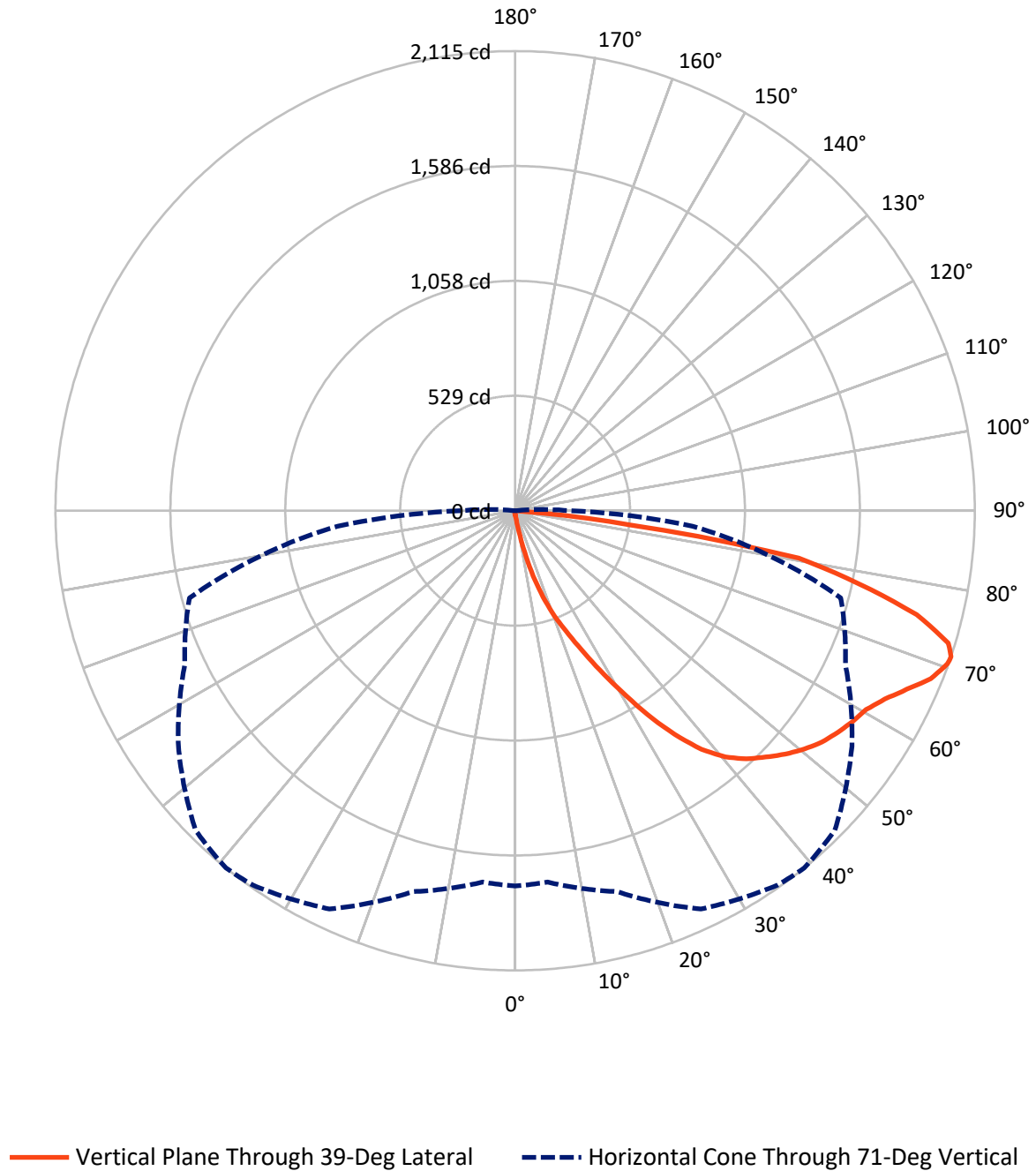


Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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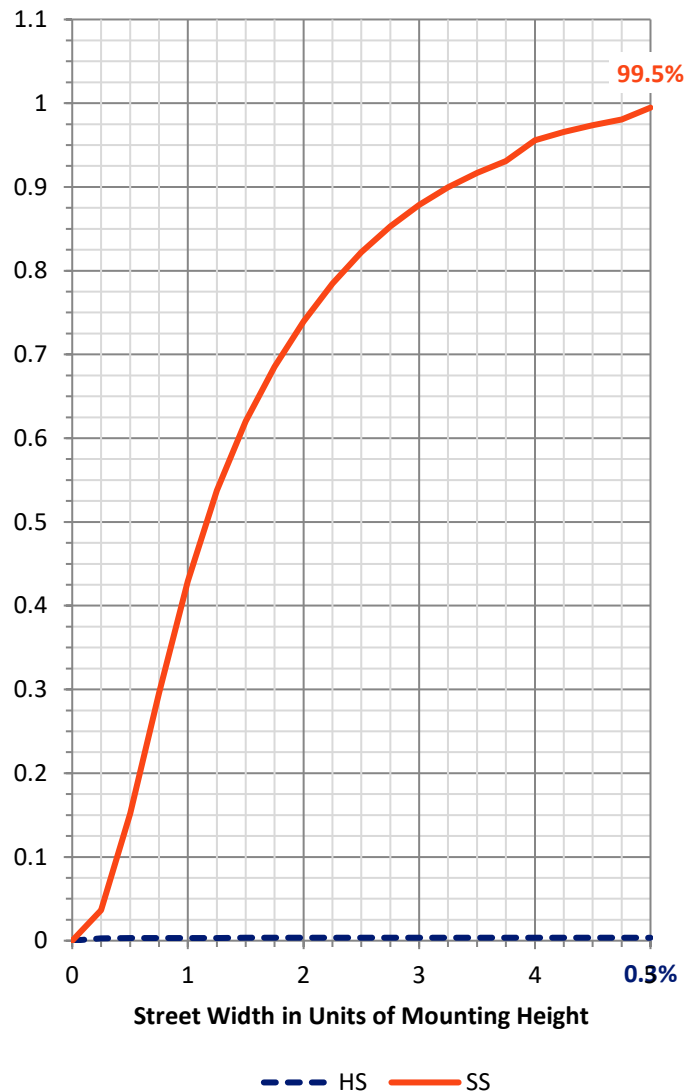
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12.0	0.0	12.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3358.3	0.0	3358.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	3370.2	0.0	3370.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	36.0	1.1
20°-30°	128.3	3.8
30°-40°	309.2	9.2
40°-50°	517.4	15.4
50°-60°	664.6	19.7
60°-70°	841.0	25.0
70°-80°	749.8	22.2
80°-90°	121.2	3.6
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°	3370.2	100.0
0°-180°	3370.2	100.0



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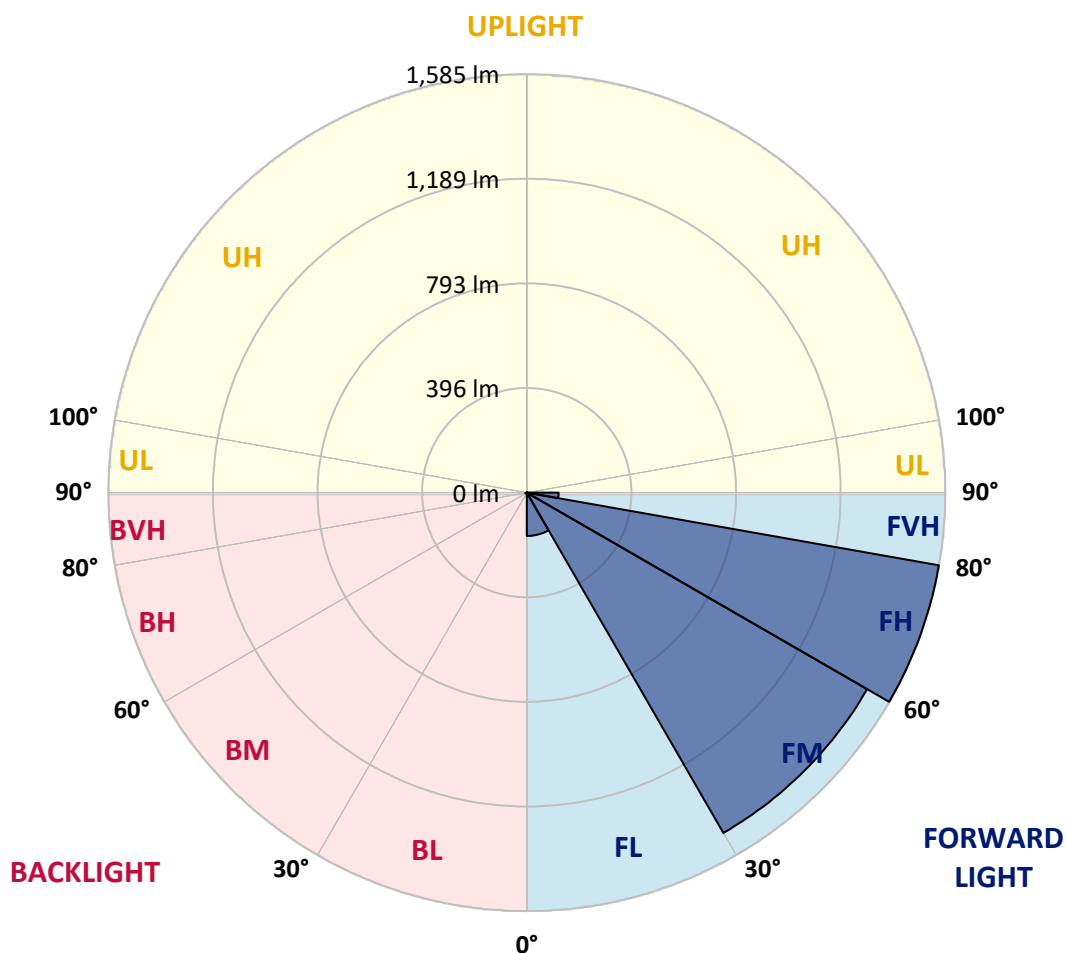
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.2	4.9			
FM	(30°-60°)	1488.4	44.2			
FH	(60°-80°)	1585.0	47.0			G1/1800
FVH	(80°-90°)	120.6	3.6			G2/225
BL	(0°-30°)	2.9	0.1	B0/110		
BM	(30°-60°)	2.8	0.1	B0/220		
BH	(60°-80°)	5.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G2

Type IV Short



REPORT NUMBER: P1064233

CATALOG NUMBER: GLAN-SA1A-840-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
2.5°	21.2	21.2	21.2	20.5	20.5	20.3	20.1	20.1	19.6	19.4	18.9
5°	32.2	31.5	29.9	29.0	27.1	26.0	24.9	23.3	21.7	20.5	19.2
7.5°	72.8	74.4	69.1	59.3	49.3	44.9	37.6	30.3	25.1	21.7	19.4
10°	185.5	184.6	166.8	147.2	113.6	100.2	78.5	49.5	32.4	23.7	19.6
12.5°	315.5	314.6	293.6	266.9	222.7	194.6	153.5	92.4	46.5	26.9	19.6
15°	424.8	421.2	414.5	388.1	336.3	312.8	258.5	163.4	75.3	32.4	20.1
17.5°	497.1	493.9	487.8	478.2	445.3	417.5	373.9	256.7	121.8	42.0	21.0
20°	563.5	561.2	556.2	554.4	533.2	518.3	482.3	363.9	189.8	57.0	22.4
22.5°	654.8	650.0	652.0	641.1	620.3	602.5	580.4	476.1	272.9	82.1	24.9
25°	766.6	764.3	758.6	750.8	722.1	706.6	672.6	582.0	365.7	115.0	27.6
27.5°	901.6	899.1	897.8	880.0	846.9	830.0	782.5	681.9	470.2	161.1	31.3
30°	1057.2	1058.4	1049.5	1026.7	988.1	964.4	915.6	786.6	577.2	215.1	35.1
32.5°	1218.3	1216.0	1202.3	1175.4	1141.0	1118.8	1056.8	901.4	689.5	286.6	39.7
35°	1391.9	1387.6	1351.5	1320.7	1291.3	1263.5	1206.9	1034.6	801.7	366.6	45.9
37.5°	1567.1	1546.8	1474.5	1435.5	1415.2	1392.4	1339.7	1176.8	913.3	456.1	53.4
40°	1699.5	1683.7	1597.9	1526.1	1509.9	1490.5	1451.2	1299.5	1031.9	552.1	62.5
42.5°	1772.7	1764.0	1686.9	1616.0	1577.9	1560.8	1527.2	1406.8	1149.2	658.2	75.7
45°	1804.0	1790.5	1738.9	1705.9	1645.2	1616.9	1576.9	1487.7	1271.7	778.7	94.2
47.5°	1794.4	1786.6	1749.7	1761.7	1717.7	1673.7	1615.1	1549.8	1376.4	916.9	119.5
50°	1734.1	1727.5	1716.1	1781.6	1776.1	1724.1	1664.3	1598.9	1462.0	1059.5	158.8
52.5°	1619.6	1616.9	1646.1	1766.1	1809.2	1768.6	1711.8	1642.2	1541.8	1208.5	214.9
55°	1472.0	1483.2	1566.7	1741.9	1826.1	1801.4	1753.8	1682.8	1605.9	1341.7	297.7
57.5°	1411.3	1414.3	1518.5	1724.8	1833.6	1830.4	1794.6	1721.6	1664.8	1448.3	424.1
60°	1482.3	1477.7	1532.7	1737.8	1848.7	1856.4	1830.9	1757.6	1715.9	1539.8	592.5
62.5°	1610.5	1608.0	1625.5	1793.2	1892.7	1908.4	1881.3	1783.7	1761.1	1600.0	784.6
65°	1725.0	1719.8	1752.4	1891.6	1970.0	1981.2	1957.5	1828.1	1780.9	1643.8	965.1
67.5°	1774.5	1773.4	1825.9	1985.1	2051.3	2063.4	2042.6	1889.5	1776.3	1657.7	1044.7
70°	1751.9	1747.6	1831.6	2024.8	2097.1	2110.8	2090.7	1912.3	1726.8	1613.7	926.7
71°	1727.1	1715.4	1814.5	2022.1	2103.5	2115.1	2080.0	1891.6	1677.1	1551.2	819.7
72.5°	1650.0	1652.0	1767.5	1993.5	2088.2	2084.8	2019.3	1817.2	1617.1	1409.3	658.4
75°	1460.1	1472.2	1615.3	1873.8	1951.8	1908.2	1808.1	1675.1	1496.6	1010.5	457.2
77.5°	1193.2	1211.2	1368.4	1643.3	1621.2	1616.9	1612.8	1475.9	1278.1	542.8	318.0
80°	569.7	608.7	825.4	1173.1	1274.4	1323.5	1292.7	1189.3	988.3	258.5	190.0
82.5°	37.2	36.7	52.0	98.6	415.5	537.1	853.3	850.1	689.0	125.9	77.6
85°	17.6	18.0	19.8	22.6	26.2	28.7	39.7	232.7	329.7	60.0	16.9
87.5°	10.3	10.5	12.3	15.7	20.5	22.8	27.1	34.9	42.9	33.1	3.7
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: GLAN-SA1A-840-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
2.5°	18.7	18.5	17.8	17.1	16.4	16.0	15.7	16.0	16.0	16.2	16.2
5°	18.7	18.0	16.9	15.5	14.6	13.7	13.2	13.0	13.2	13.2	13.2
7.5°	18.5	17.3	15.7	14.1	13.0	11.9	11.4	11.2	11.2	11.4	11.4
10°	18.0	16.9	14.8	13.0	11.6	10.3	9.6	8.9	8.9	8.9	9.1
12.5°	17.8	16.2	13.7	11.9	10.0	8.4	7.1	6.4	6.6	6.6	6.6
15°	17.3	15.5	13.0	10.7	8.4	6.4	5.2	4.6	4.8	5.0	4.8
17.5°	17.3	15.3	12.1	9.4	6.6	4.8	3.9	3.4	3.4	3.7	3.7
20°	17.3	14.8	11.4	8.0	5.0	3.7	2.7	2.5	2.5	3.0	3.2
22.5°	17.8	14.8	10.5	6.6	4.1	2.7	2.1	1.8	2.1	2.5	2.7
25°	18.5	14.6	9.6	5.9	3.4	2.1	1.6	1.1	1.4	1.8	2.1
27.5°	19.2	14.4	8.7	5.2	2.7	1.6	1.1	0.9	0.7	0.9	0.9
30°	19.8	14.4	7.8	4.3	2.3	1.1	0.7	0.5	0.2	0.0	0.0
32.5°	20.3	13.9	7.1	3.4	1.8	0.9	0.5	0.2	0.0	0.0	0.0
35°	20.8	13.5	6.2	2.7	1.4	0.7	0.2	0.0	0.0	0.0	0.0
37.5°	21.2	12.8	5.2	2.3	1.1	0.5	0.0	0.0	0.0	0.0	0.0
40°	21.7	11.9	4.3	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	22.1	11.2	3.7	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	23.3	10.7	3.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	25.3	10.3	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	28.3	9.8	2.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	32.4	9.6	2.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	39.7	9.4	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	52.2	9.1	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	80.1	8.7	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	143.0	8.4	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	249.4	8.7	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	357.5	9.1	1.6	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	305.9	8.0	1.6	0.9	0.5	0.2	0.0	0.0	0.0	0.0	0.0
71°	249.4	7.1	1.6	0.9	0.5	0.2	0.2	0.0	0.0	0.0	0.0
72.5°	160.4	5.5	1.4	0.9	0.5	0.5	0.2	0.0	0.0	0.0	0.0
75°	67.8	4.6	1.4	0.9	0.7	0.5	0.5	0.2	0.0	0.0	0.0
77.5°	29.0	3.4	1.4	1.1	0.9	0.7	0.7	0.5	0.2	0.0	0.0
80°	11.0	2.7	1.6	1.4	1.1	1.1	0.9	0.5	0.2	0.0	0.0
82.5°	5.0	2.3	1.6	1.4	1.4	1.1	0.9	0.7	0.5	0.0	0.0
85°	3.2	2.1	1.6	1.4	1.4	1.1	1.1	0.7	0.5	0.0	0.0
87.5°	2.5	2.1	1.6	1.6	1.4	1.4	0.9	0.7	0.2	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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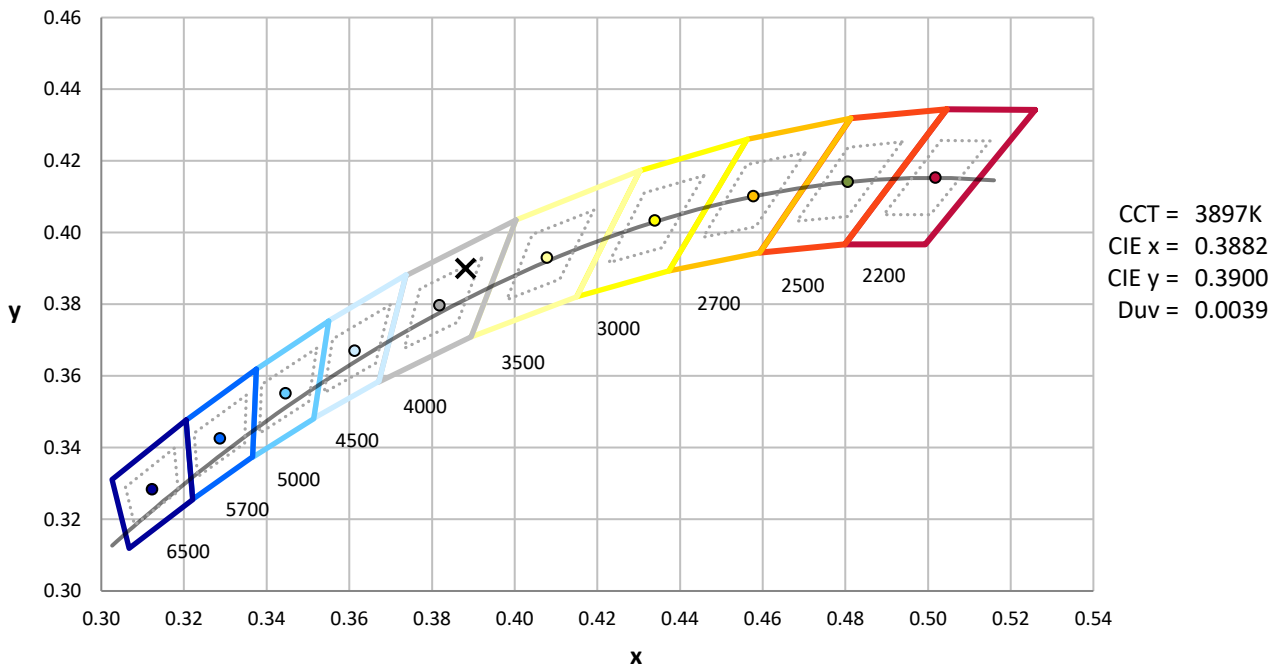
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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

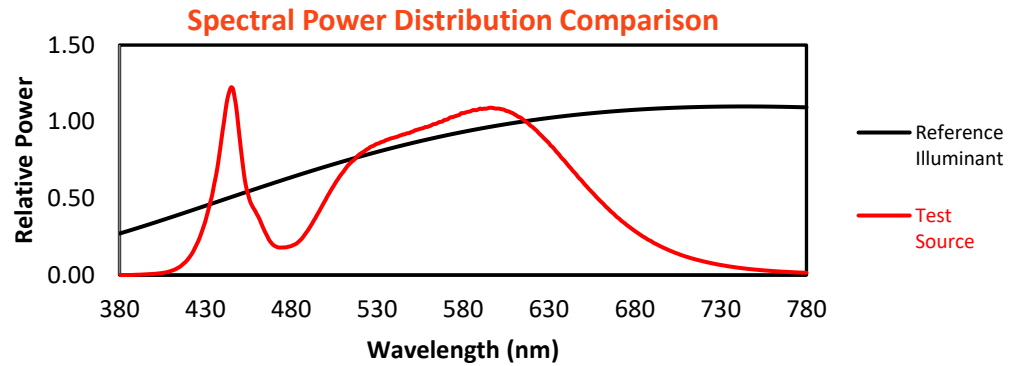
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792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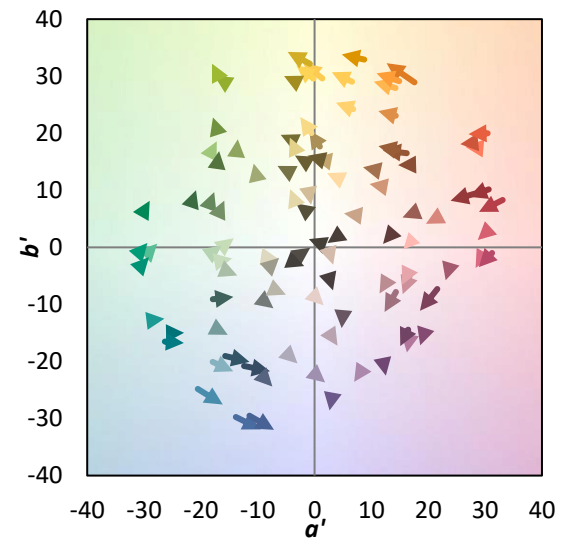
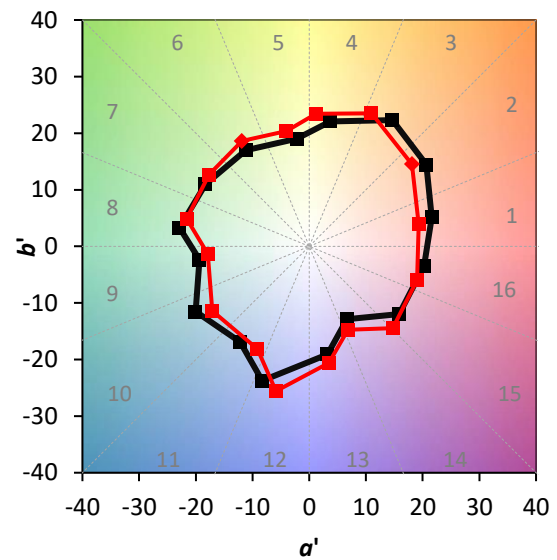
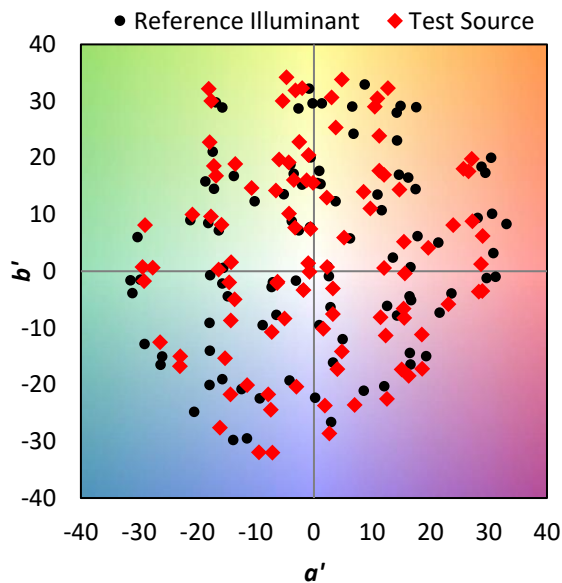
TM-30-18

Summary

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

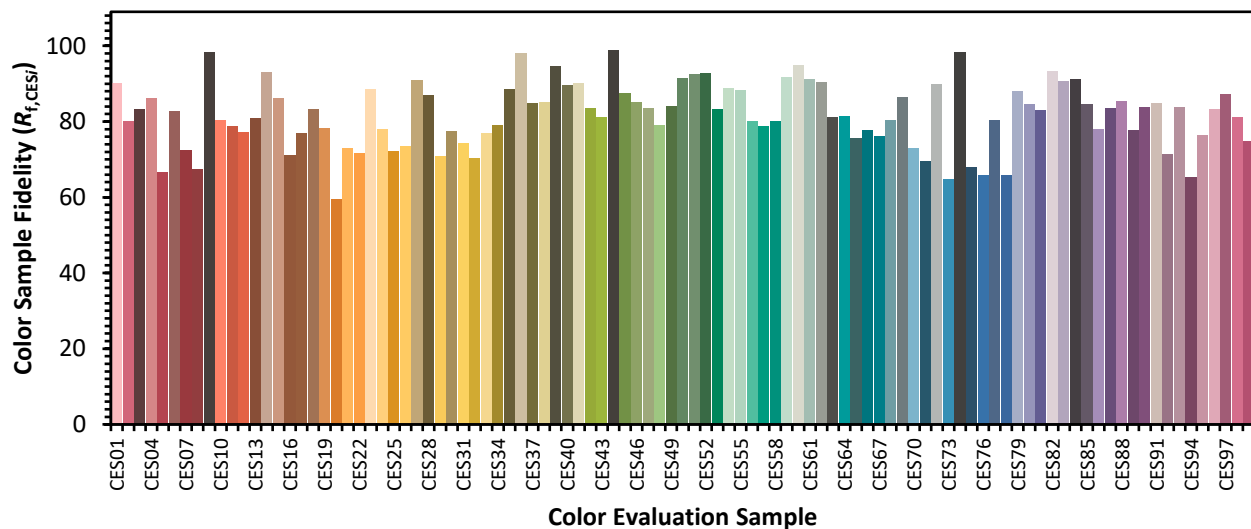


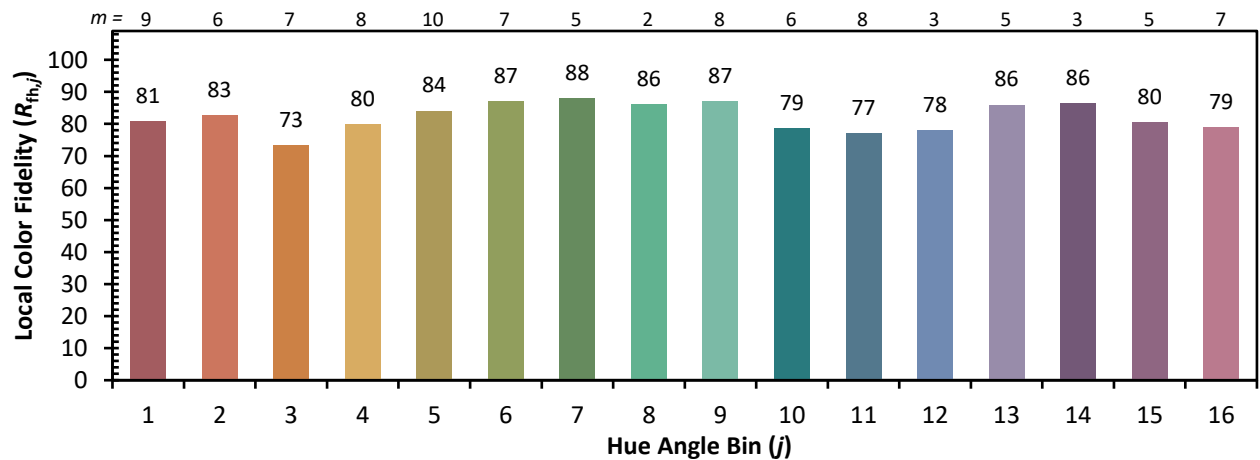
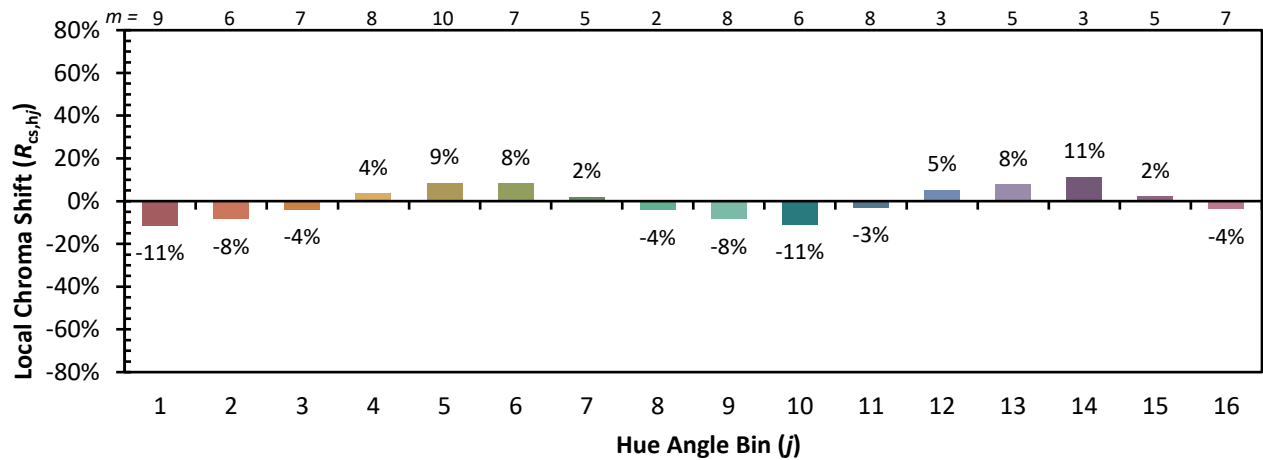
Color Vector Graphics

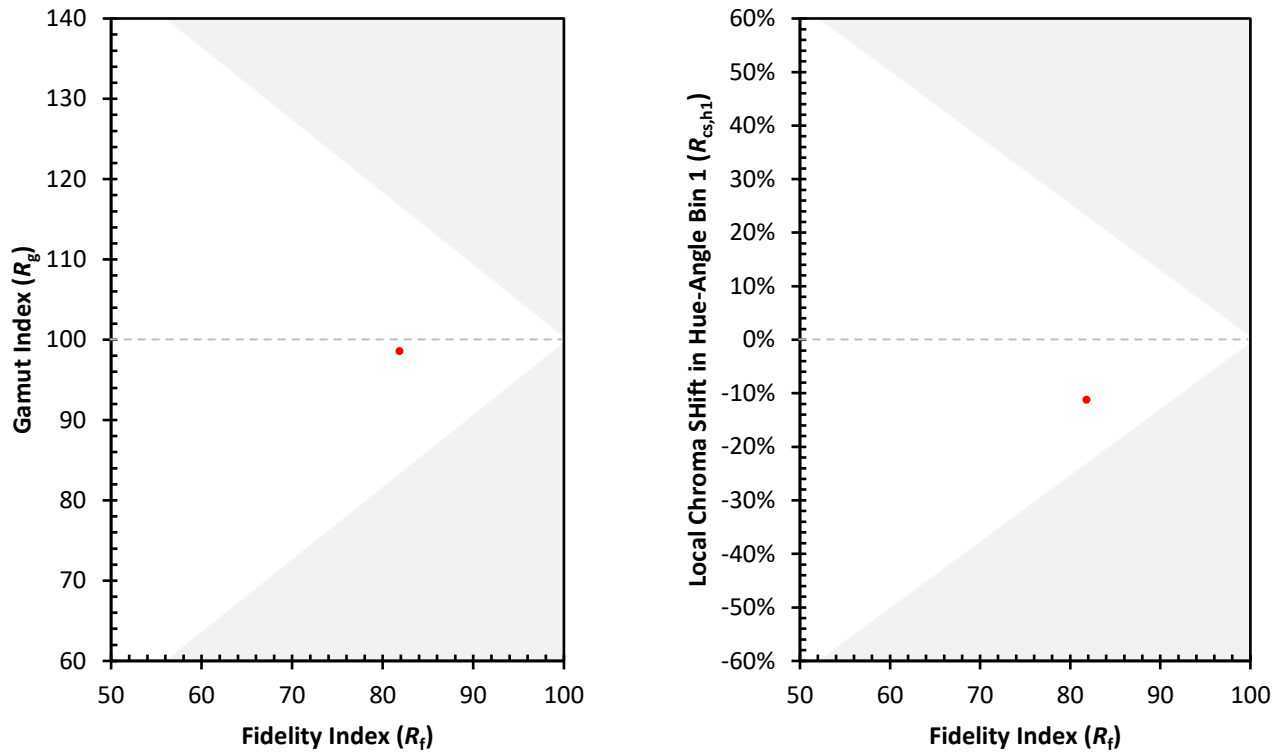


Individual Sample Fidelity Index ($R_{f,i}$)

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)