

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: P1047987

Luminaire Tested: **GALN-SA1C-840-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047987
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1C-840-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5173.4 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 50.2
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

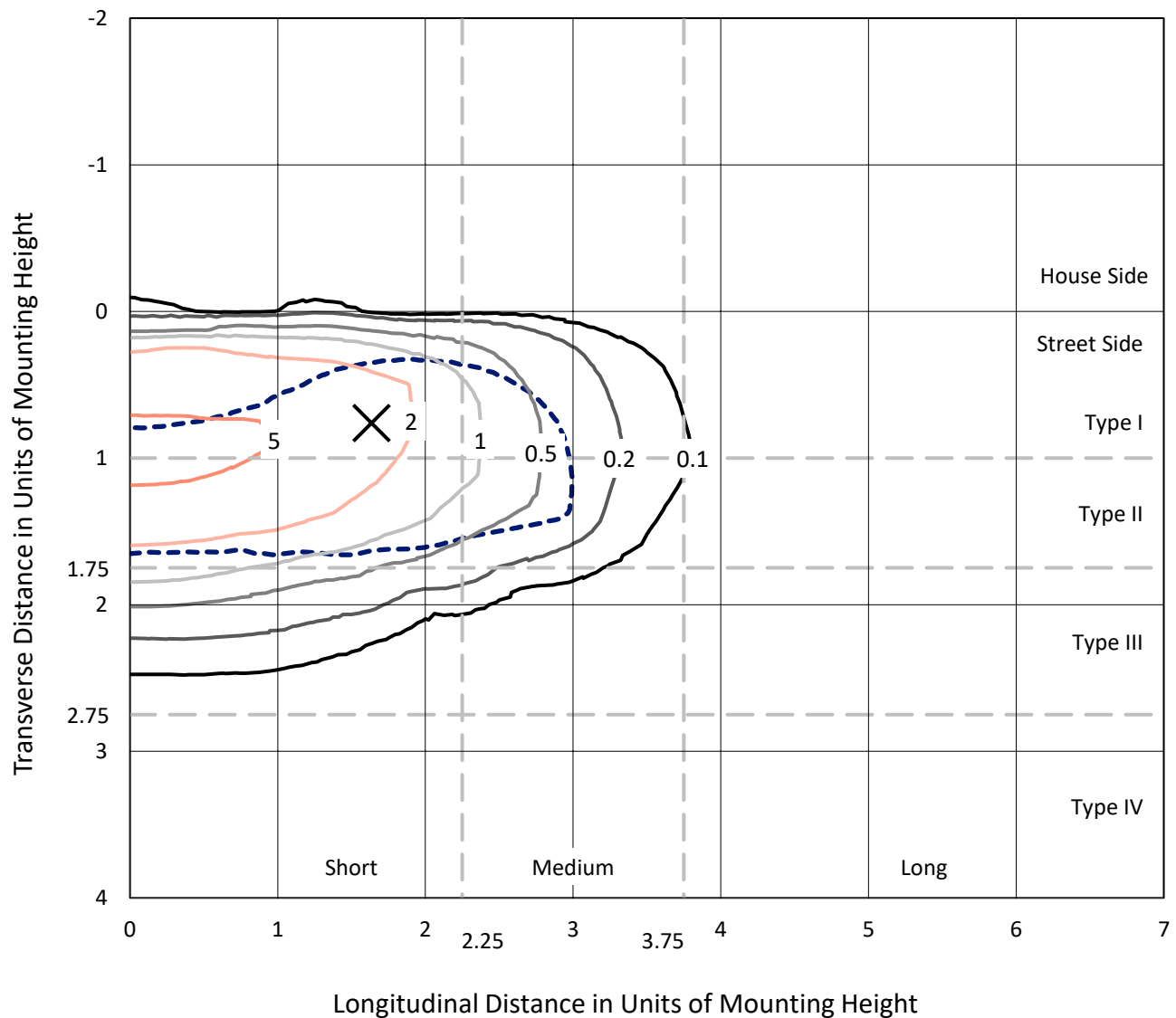


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

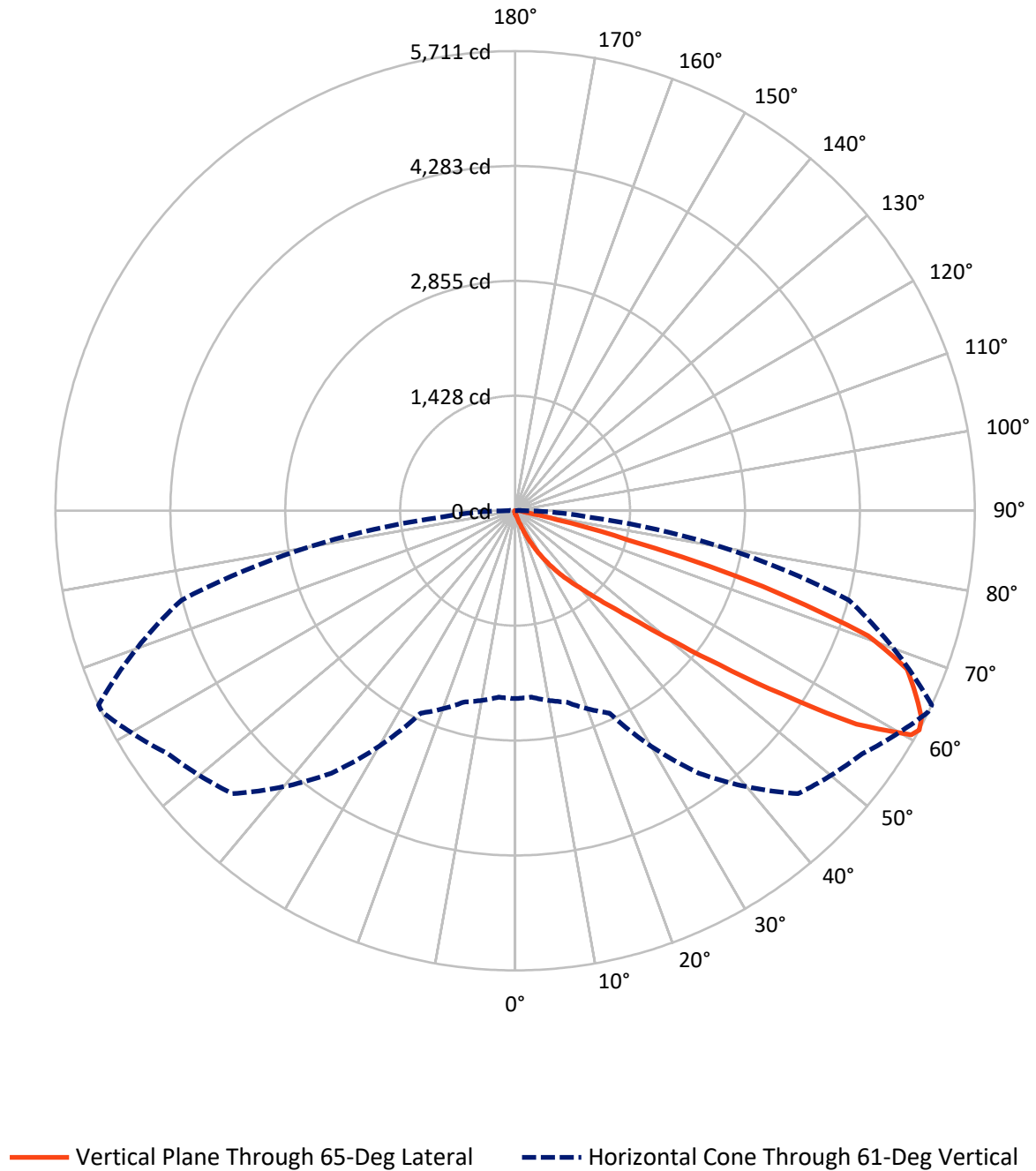


Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22.1	0.0	22.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5151.4	0.0	5151.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	5173.4	0.0	5173.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	42.5	0.8
20°-30°	152.7	3.0
30°-40°	406.5	7.9
40°-50°	1067.8	20.6
50°-60°	1654.3	32.0
60°-70°	1387.1	26.8
70°-80°	408.2	7.9
80°-90°	50.4	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°	5173.4	100.0
0°-180°	5173.4	100.0



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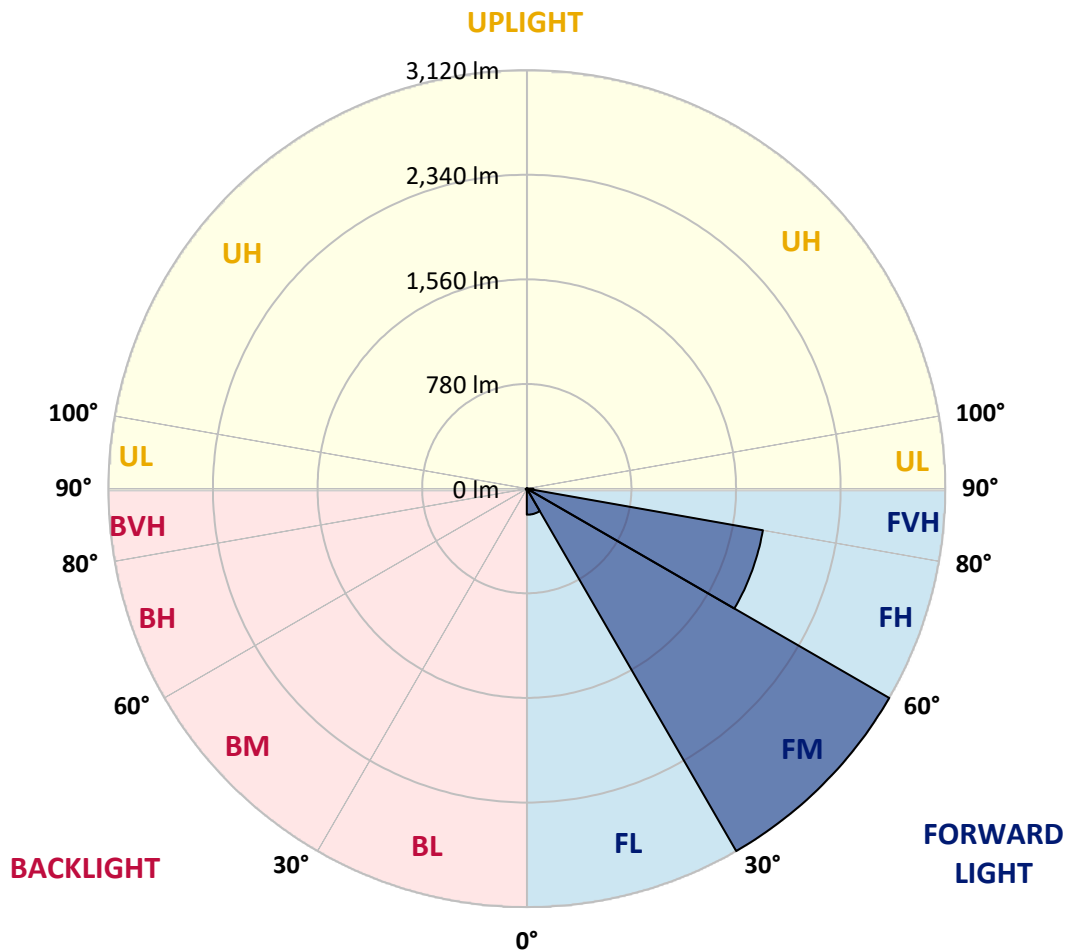
CATALOG NUMBER: GALN-SA1C-840-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.3	3.8			
FM	(30°-60°)	3120.2	60.3			
FH	(60°-80°)	1787.5	34.6			G1/1800
FVH	(80°-90°)	49.4	1.0			G1/100
BL	(0°-30°)	5.0	0.1	B0/110		
BM	(30°-60°)	8.4	0.2	B0/220		
BH	(60°-80°)	7.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
2.5°	38.4	38.8	38.1	36.7	35.6	35.6	35.2	34.2	34.2	33.1	32.4
5°	53.7	53.0	51.6	48.8	46.3	43.8	41.3	38.8	38.4	35.2	33.1
7.5°	87.9	88.6	84.0	75.1	67.6	58.0	49.1	43.8	43.1	37.7	33.5
10°	192.9	187.5	176.9	142.4	117.1	88.3	65.5	50.9	50.2	40.6	34.2
12.5°	351.6	347.3	327.8	292.2	227.0	158.0	95.7	63.0	60.9	43.1	34.5
15°	506.8	500.0	489.3	453.4	377.2	283.3	156.6	86.1	80.4	46.6	34.2
17.5°	605.7	606.8	597.2	581.9	532.7	419.2	270.5	128.5	117.4	53.0	33.5
20°	692.2	689.7	695.0	686.8	652.3	569.8	393.6	203.6	184.7	63.3	33.8
22.5°	791.8	797.9	801.8	800.0	761.9	691.5	533.5	304.6	280.8	82.2	34.9
25°	925.3	924.6	924.9	920.3	883.3	805.0	673.7	430.3	406.1	112.8	37.4
27.5°	1065.1	1069.4	1071.2	1054.5	1006.1	929.2	803.6	567.6	539.2	161.9	40.6
30°	1256.2	1252.7	1244.5	1210.3	1151.6	1056.2	931.7	711.8	681.9	230.6	45.6
32.5°	1513.9	1510.0	1468.7	1393.3	1305.4	1188.6	1060.5	856.2	819.9	316.4	52.3
35°	1938.5	1944.5	1843.1	1647.7	1490.1	1347.7	1203.2	1000.0	968.0	422.1	61.6
37.5°	2588.6	2555.5	2417.8	2072.6	1733.1	1546.3	1339.5	1145.2	1117.5	552.3	73.7
40°	3220.3	3187.6	3147.7	2820.7	2155.5	1765.1	1530.3	1315.7	1279.7	699.3	91.5
42.5°	3884.4	3866.2	3864.5	3617.8	2926.4	2109.3	1759.8	1515.3	1484.7	860.5	120.6
45°	4354.9	4336.7	4374.8	4417.8	3976.2	2846.7	2159.5	1774.8	1730.3	1056.2	167.3
47.5°	4418.2	4418.9	4520.7	4655.6	4756.3	3987.2	2691.8	2118.5	2064.4	1336.3	245.6
50°	4207.5	4215.7	4377.6	4618.9	4890.1	4944.2	3630.7	2617.5	2537.4	1668.3	356.6
52.5°	3806.5	3815.7	4041.3	4438.1	4767.0	5174.1	4736.0	3270.1	3178.0	2082.6	513.2
55°	3445.2	3450.9	3709.7	4211.1	4618.6	5049.2	5392.2	4141.7	4020.7	2592.2	667.6
57.5°	3087.6	3074.4	3242.7	3816.8	4593.3	4895.8	5489.0	5134.9	5001.5	3149.1	787.9
60°	2609.3	2587.2	2722.5	3087.6	4260.9	4996.5	5307.9	5684.4	5654.2	3924.6	880.8
61°	2334.2	2324.9	2460.9	2774.1	3981.2	4970.9	5264.5	5707.5	5710.7	4291.5	922.4
62.5°	1666.9	1693.3	1901.1	2308.2	3334.6	4804.7	5270.2	5636.0	5667.7	4779.1	1030.3
65°	740.9	783.3	944.9	1276.2	1939.2	3996.8	5219.6	5479.1	5463.4	4912.9	1401.8
67.5°	439.5	445.9	526.3	723.1	1027.1	2149.8	4606.1	5271.6	5250.6	4276.9	1744.1
70°	346.3	349.5	375.1	453.7	596.1	823.5	2628.9	4560.9	4652.4	3468.0	1707.5
72.5°	328.5	327.8	331.3	345.2	375.4	408.5	1017.8	3031.7	3217.8	2497.5	1431.7
75°	324.2	322.8	319.2	313.9	271.9	240.6	315.3	1340.9	1448.8	1706.4	1077.9
77.5°	314.6	315.0	315.7	301.1	233.1	170.1	152.7	430.3	529.2	1082.9	766.2
80°	212.8	216.0	221.4	215.7	209.6	123.1	107.8	153.0	155.2	607.8	506.1
82.5°	107.8	107.8	105.3	94.0	81.1	80.1	85.8	111.0	112.5	307.5	238.1
85°	65.1	68.7	70.1	63.7	58.4	53.7	65.5	88.3	91.5	119.2	55.5
87.5°	14.6	14.9	16.4	21.7	31.7	43.1	60.9	80.8	82.2	76.5	6.8
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-SA1C-840-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
2.5°	32.0	31.3	31.0	29.9	28.8	27.8	27.0	26.7	27.0	27.4	27.4
5°	31.7	30.6	28.8	27.0	25.6	24.2	22.8	22.4	22.4	22.8	22.8
7.5°	31.7	29.9	27.4	25.3	23.1	21.0	19.9	19.2	19.6	19.6	19.6
10°	31.7	29.5	26.3	23.1	20.6	18.1	16.4	15.7	15.7	15.7	15.7
12.5°	31.3	29.2	25.3	21.4	17.8	14.9	12.8	11.7	12.1	12.1	12.1
15°	30.6	28.1	23.8	18.1	14.2	11.4	9.3	8.2	8.5	9.3	9.6
17.5°	29.5	27.0	21.4	15.3	11.4	8.5	6.4	5.7	6.0	7.1	7.1
20°	29.2	26.0	18.9	12.5	8.5	6.0	4.3	3.6	3.9	5.3	5.7
22.5°	29.2	25.3	17.1	10.3	6.4	3.9	2.5	1.4	1.4	2.5	2.5
25°	29.5	24.9	15.7	8.5	4.6	2.8	1.4	0.7	1.4	3.9	4.6
27.5°	30.2	24.6	14.9	7.1	3.6	2.5	1.1	2.5	4.3	4.3	4.3
30°	31.0	23.8	13.9	6.0	3.2	1.8	1.8	3.6	3.6	4.3	4.6
32.5°	32.0	23.5	13.2	5.3	2.5	1.4	2.5	2.1	2.1	2.5	2.8
35°	34.2	23.8	12.5	5.3	2.5	1.8	2.1	1.1	0.7	0.7	0.7
37.5°	37.0	24.2	11.4	4.6	2.1	2.1	1.1	0.0	0.0	0.0	0.0
40°	41.6	25.3	10.7	4.3	1.8	1.8	0.4	0.0	0.0	0.0	0.0
42.5°	49.5	27.4	10.3	3.9	1.8	1.4	0.0	0.0	0.0	0.0	0.0
45°	65.1	32.4	9.6	3.6	1.8	0.7	0.0	0.0	0.0	0.0	0.0
47.5°	93.6	44.1	9.3	2.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	136.7	59.8	8.9	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	174.4	63.0	6.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	178.6	43.4	4.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	142.4	28.1	3.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	107.8	21.4	3.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	103.6	19.2	3.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	114.2	16.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	185.8	13.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	322.8	12.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	407.8	11.4	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	355.5	10.3	2.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	213.9	8.9	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	112.1	6.8	2.1	1.8	1.1	0.4	0.0	0.0	0.0	0.0	0.0
80°	54.4	6.0	2.5	1.8	1.4	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	21.4	5.0	2.8	2.5	1.8	1.1	0.4	0.0	0.0	0.0	0.0
85°	9.6	4.3	3.2	2.8	2.5	1.4	0.4	0.0	0.0	0.0	0.0
87.5°	5.0	3.9	3.6	3.2	2.5	1.8	0.7	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

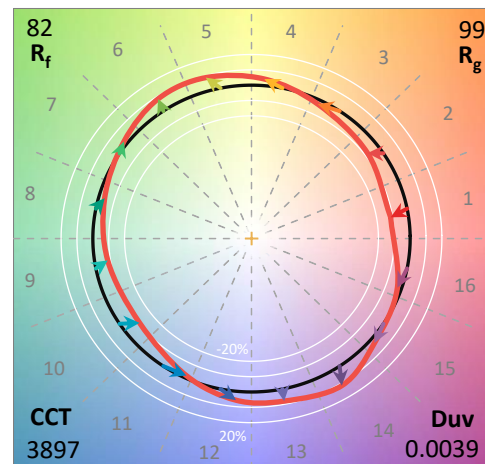
Test Information

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

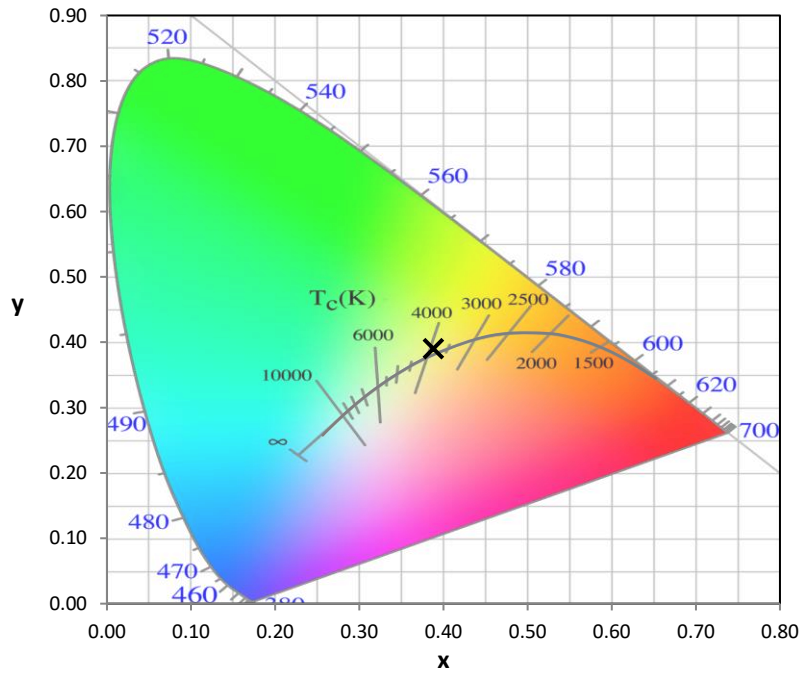
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

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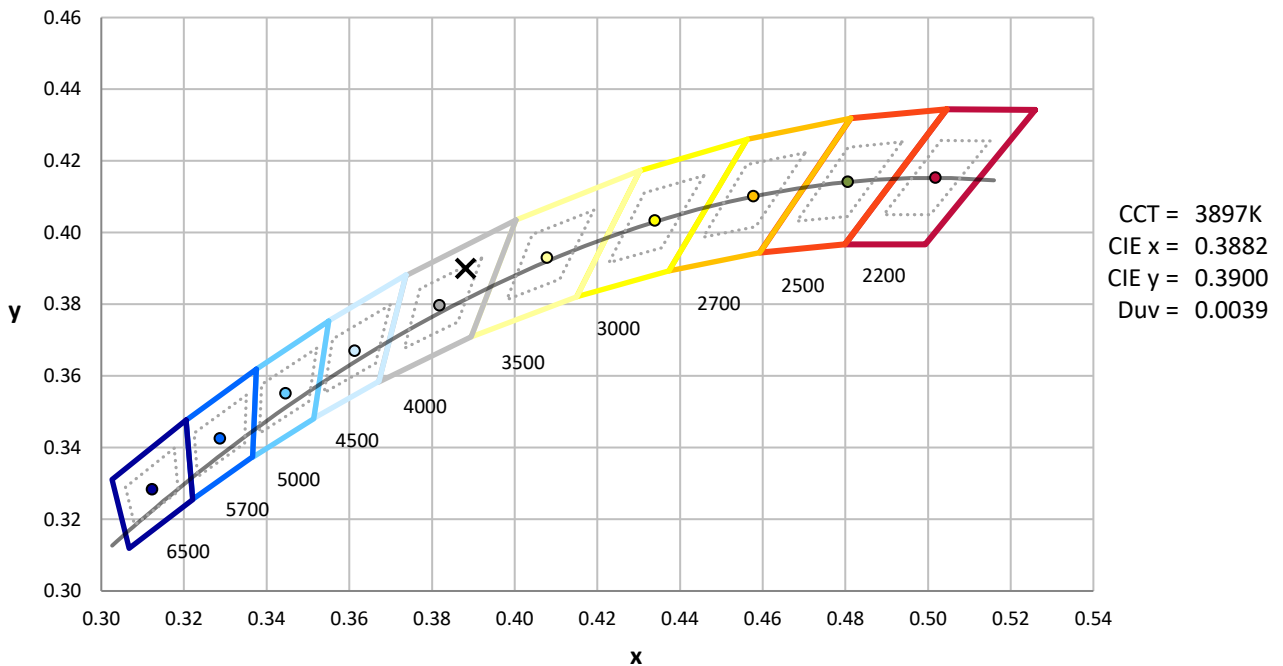
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



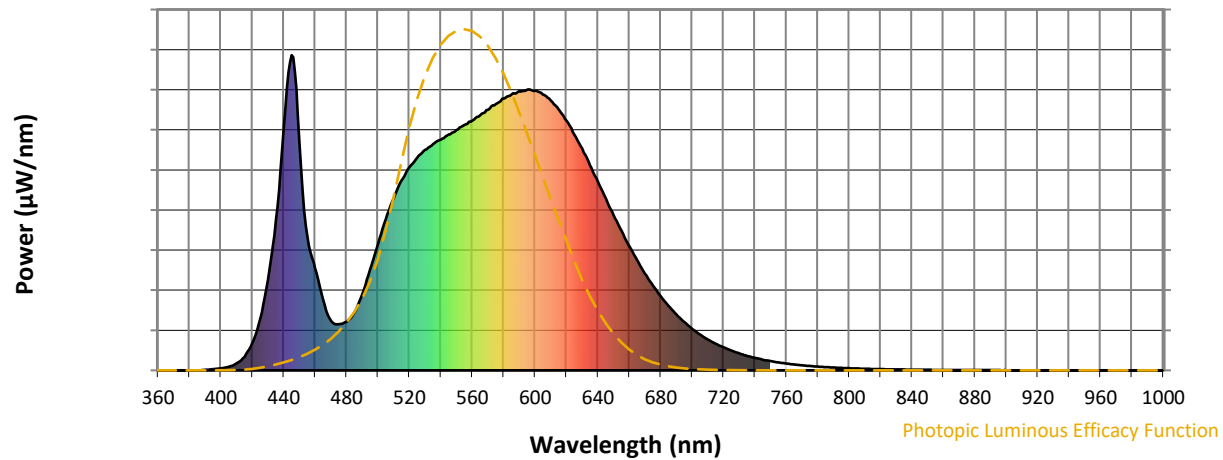
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

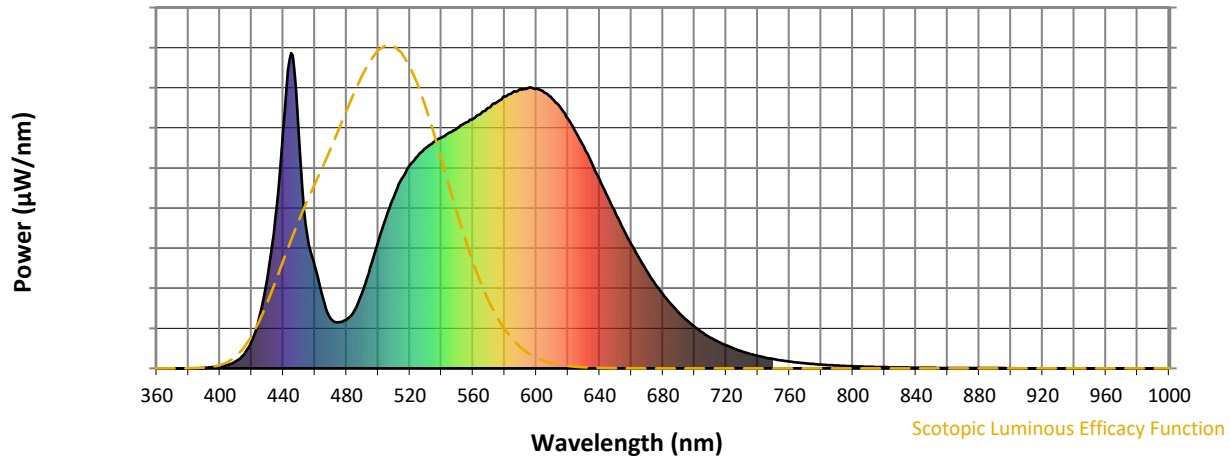


Photopic Lumens: NR

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



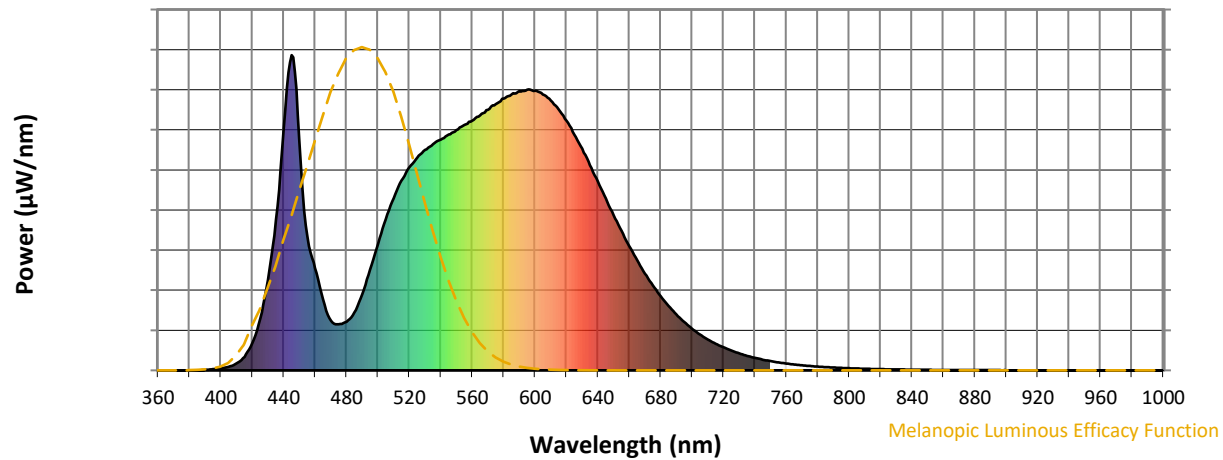
Scotopic Lumens: NR

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

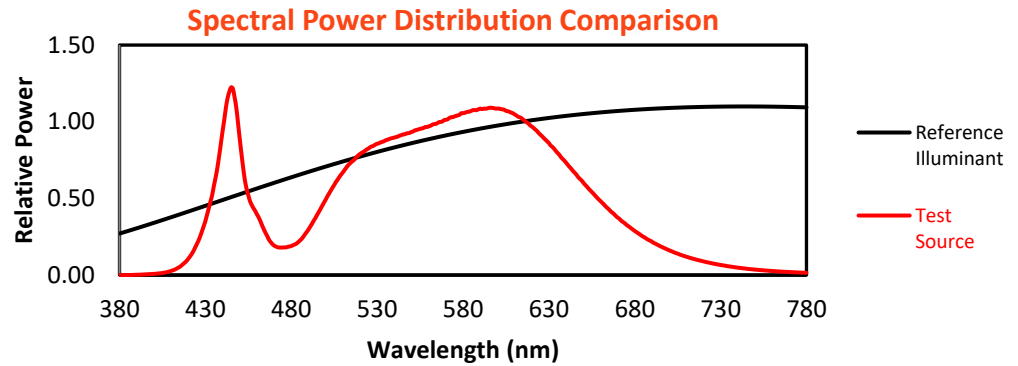
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	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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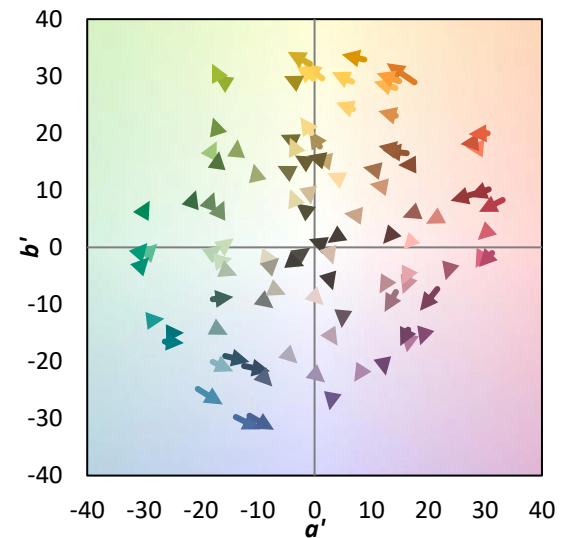
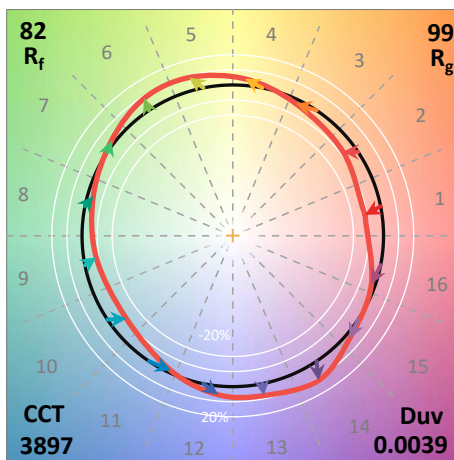
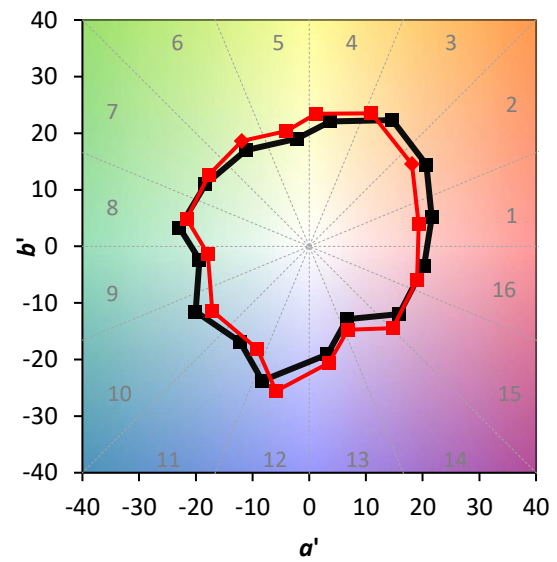
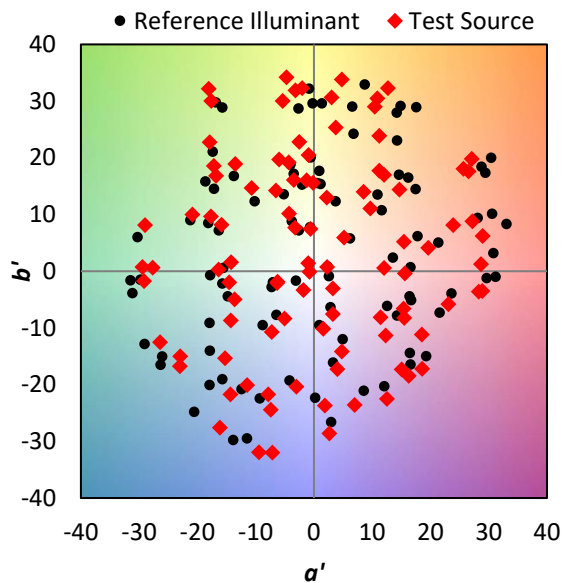
TM-30-18

Summary

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

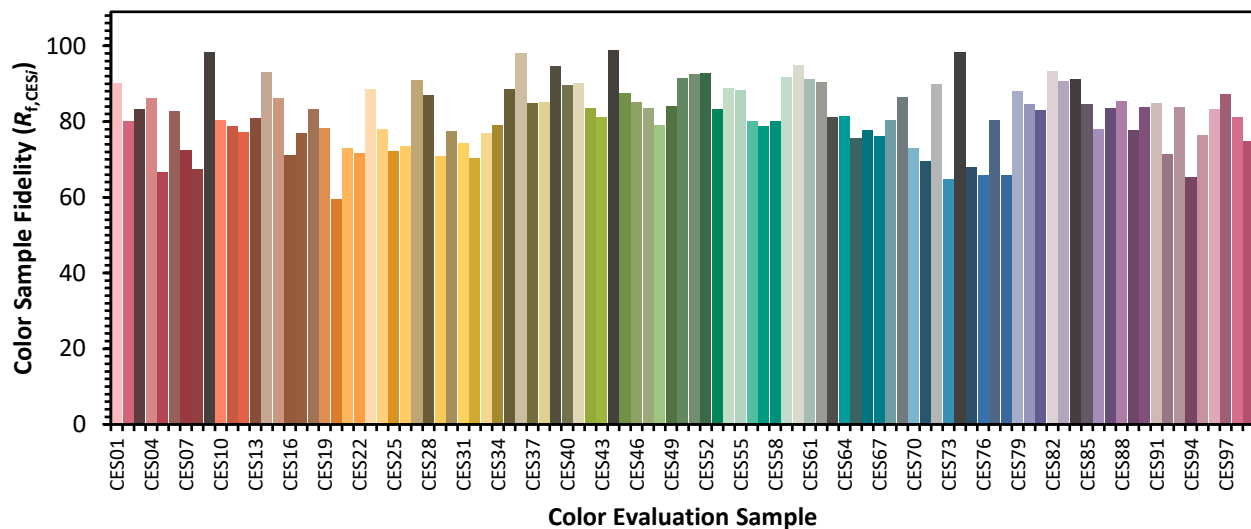


Color Vector Graphics

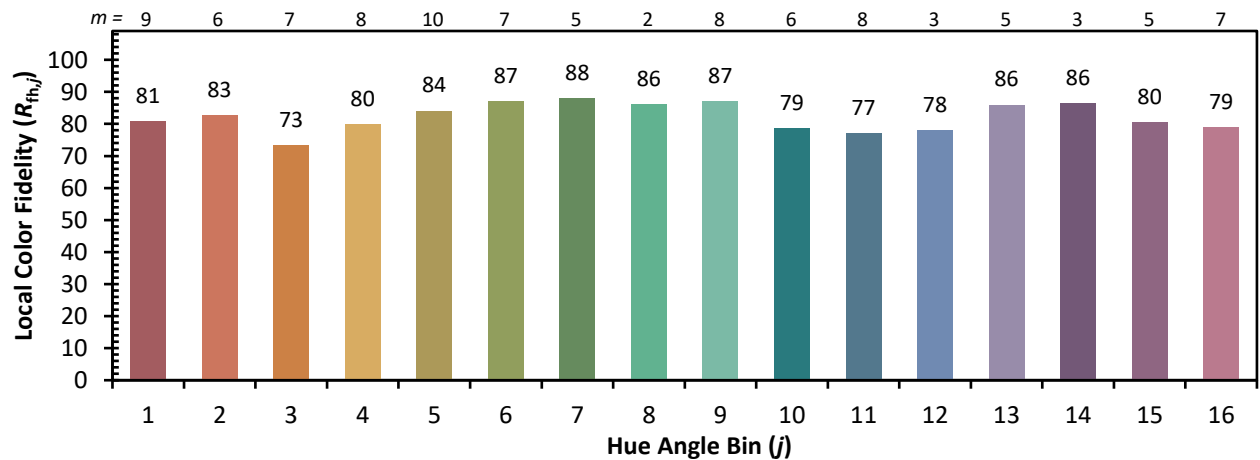
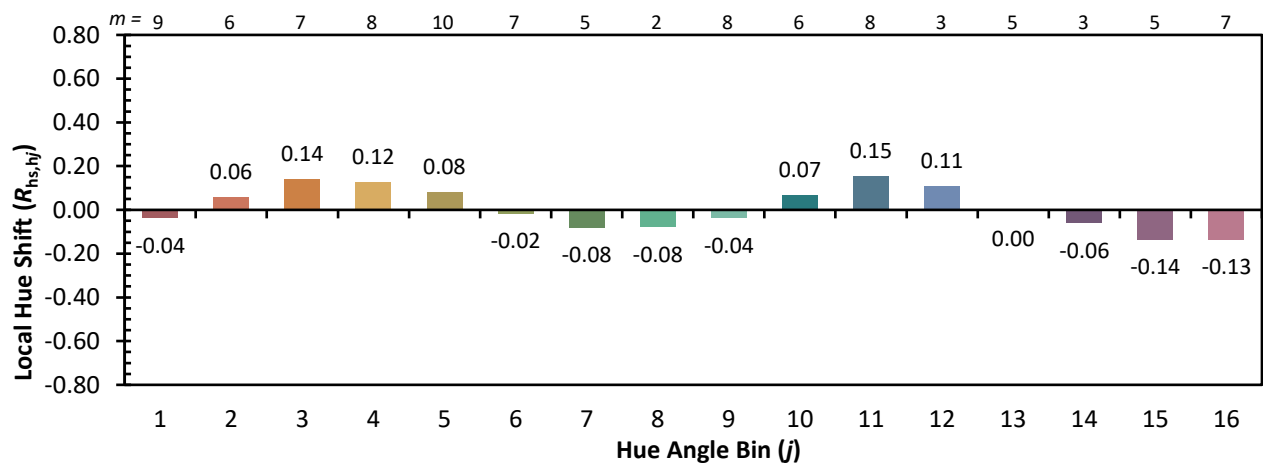
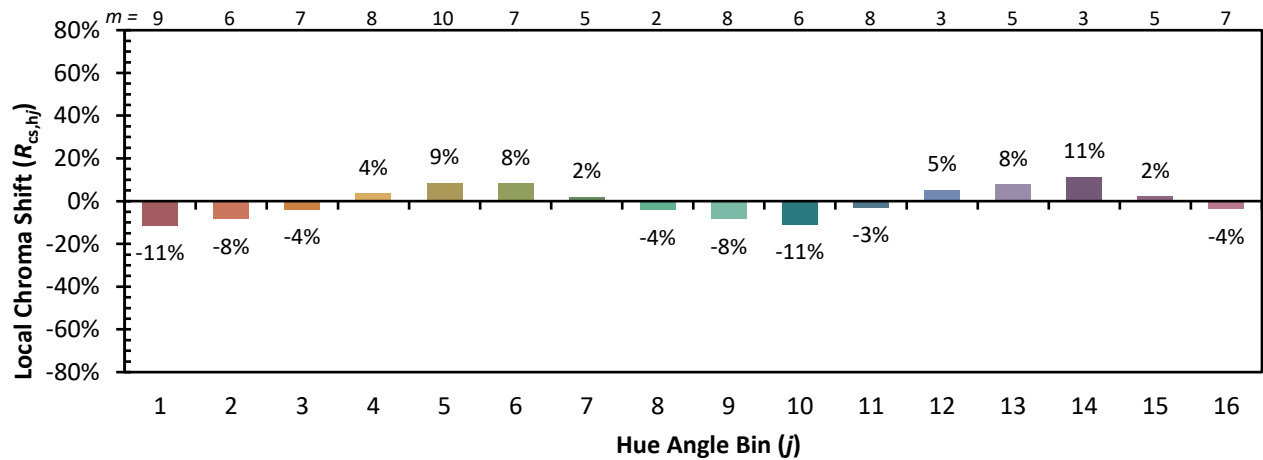


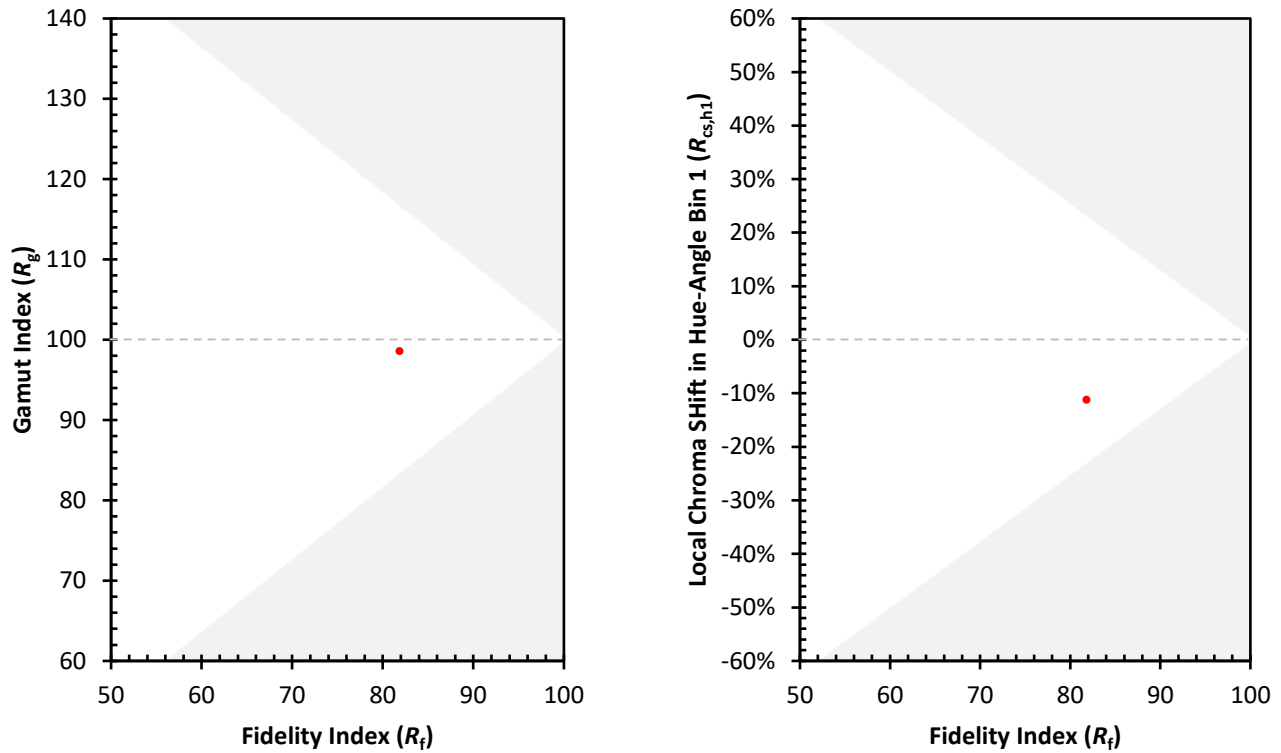
Individual Sample Fidelity Index ($R_{f,i}$)

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)