

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: P1048646

Luminaire Tested: **GALN-SA4B-850-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048646
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-850-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16648.4 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

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

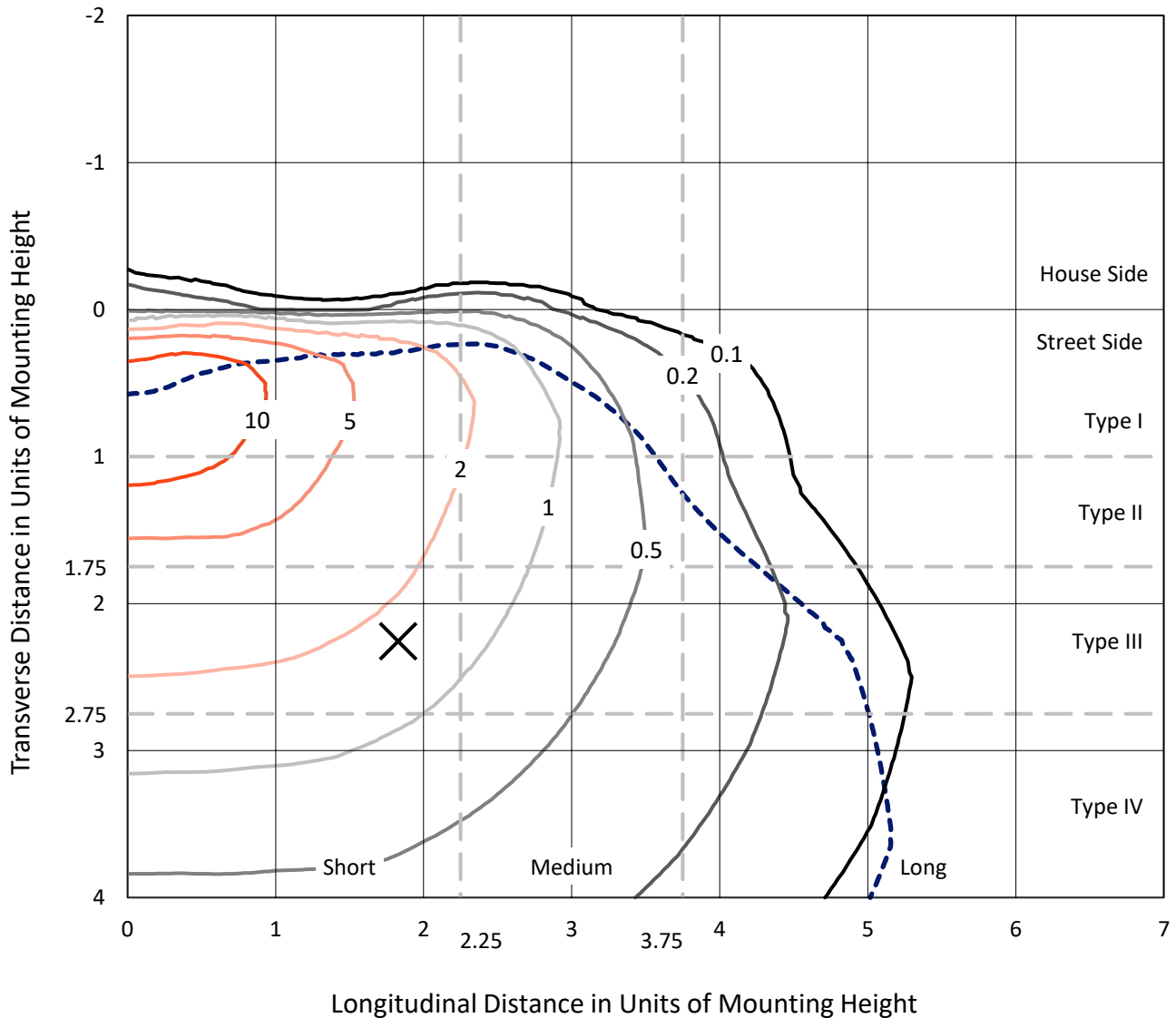


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CATALOG NUMBER: GALN-SA4B-850-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

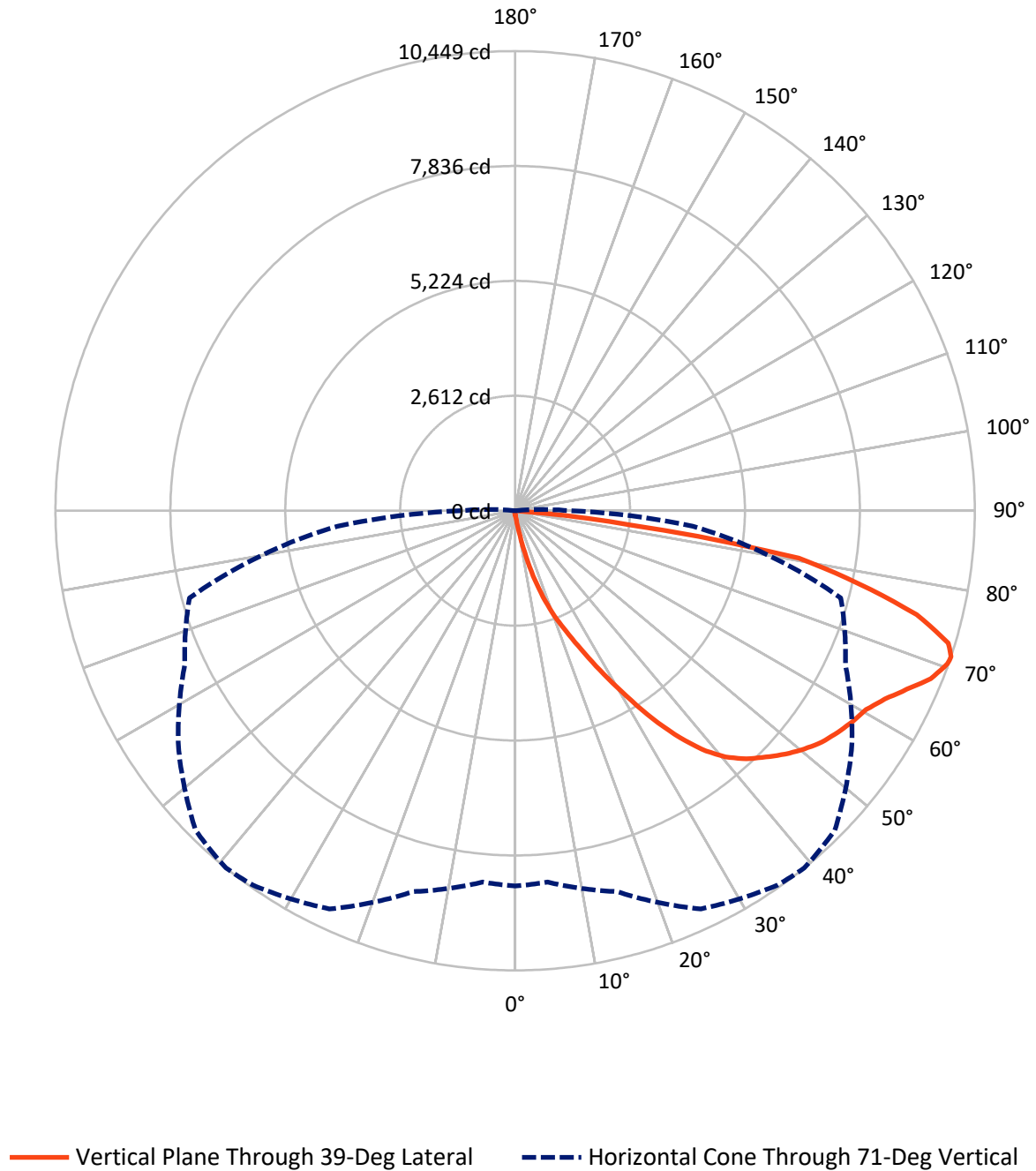


Based on 15 foot mounting height. Maximum calculated value = 17.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.2	0.0	59.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16589.3	0.0	16589.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	16648.4	0.0	16648.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.1
10°-20°	177.9	1.1
20°-30°	633.7	3.8
30°-40°	1527.2	9.2
40°-50°	2555.9	15.4
50°-60°	3282.8	19.7
60°-70°	4154.4	25.0
70°-80°	3703.8	22.2
80°-90°	598.7	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°	16648.4	100.0
0°-180°	16648.4	100.0



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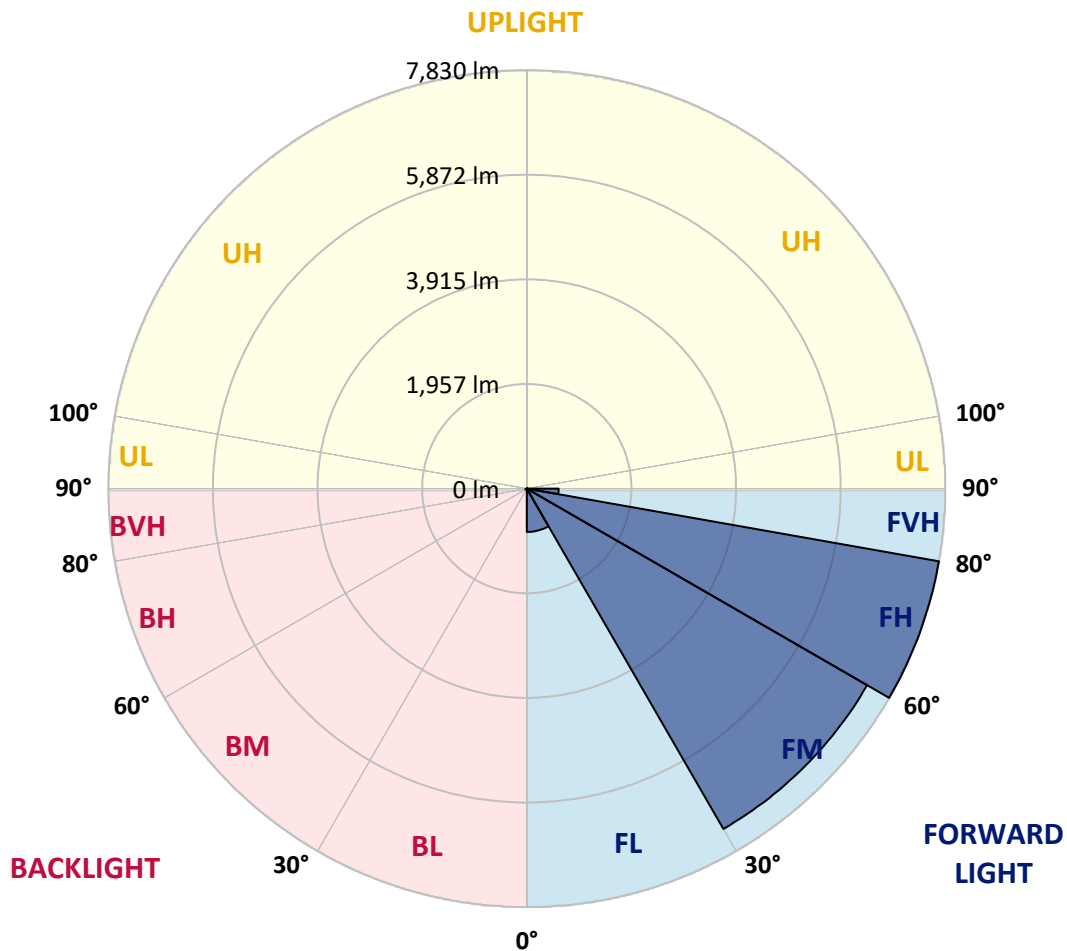
CATALOG NUMBER: GALN-SA4B-850-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	811.2	4.9			
FM	(30°-60°)	7352.3	44.2			
FH	(60°-80°)	7829.8	47.0			G4/12000
FVH	(80°-90°)	596.0	3.6			G4/750
BL	(0°-30°)	14.3	0.1	B0/110		
BM	(30°-60°)	13.7	0.1	B0/220		
BH	(60°-80°)	28.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	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-G4

Type IV Short



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CATALOG NUMBER: GALN-SA4B-850-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	104.8	104.8	104.8	101.4	101.4	100.3	99.2	99.2	96.9	95.8	93.5
5°	158.9	155.5	147.6	143.1	134.1	128.5	122.8	115.0	107.1	101.4	94.7
7.5°	359.5	367.4	341.5	293.0	243.4	222.0	186.0	149.9	124.0	107.1	95.8
10°	916.3	911.8	823.8	726.9	561.3	494.8	387.7	244.6	160.0	117.2	96.9
12.5°	1558.7	1554.1	1450.5	1318.6	1100.0	961.3	758.5	456.4	229.9	133.0	96.9
15°	2098.5	2080.5	2047.8	1917.0	1661.2	1545.1	1276.9	806.9	371.9	160.0	99.2
17.5°	2455.8	2440.0	2409.5	2362.2	2199.9	2062.4	1847.2	1267.9	601.8	207.4	103.7
20°	2783.7	2772.4	2747.7	2738.6	2633.8	2560.6	2382.5	1797.6	937.7	281.8	110.4
22.5°	3234.5	3210.9	3221.0	3166.9	3064.3	2976.4	2867.1	2352.1	1347.9	405.7	122.8
25°	3786.8	3775.5	3747.3	3709.0	3567.0	3490.4	3322.4	2875.0	1806.6	568.0	136.4
27.5°	4453.9	4441.6	4434.8	4346.9	4183.5	4100.1	3865.6	3368.6	2322.8	795.7	154.4
30°	5222.6	5228.2	5184.3	5071.5	4881.1	4763.9	4522.7	3885.9	2851.3	1062.8	173.6
32.5°	6018.2	6007.0	5939.3	5806.4	5636.2	5526.9	5220.3	4452.8	3405.8	1415.5	196.1
35°	6875.9	6854.5	6676.4	6524.3	6378.9	6241.4	5961.9	5111.0	3960.3	1811.1	226.5
37.5°	7741.4	7641.1	7283.9	7091.2	6990.8	6878.1	6617.8	5813.1	4511.4	2252.9	263.7
40°	8395.1	8317.3	7893.6	7538.6	7458.6	7362.8	7168.9	6419.5	5097.5	2727.4	308.8
42.5°	8756.9	8714.0	8333.1	7982.6	7794.4	7709.9	7544.2	6949.1	5676.8	3251.4	374.2
45°	8911.3	8844.8	8590.1	8426.7	8126.9	7987.1	7789.9	7349.2	6282.0	3846.5	465.5
47.5°	8863.9	8825.6	8643.0	8702.8	8485.3	8267.8	7978.1	7655.8	6799.3	4529.5	590.6
50°	8566.4	8533.7	8477.4	8800.8	8773.8	8516.8	8221.5	7898.1	7221.9	5233.8	784.4
52.5°	8000.7	7987.1	8131.4	8724.2	8937.2	8736.6	8456.0	8112.2	7616.3	5969.8	1061.6
55°	7271.5	7326.7	7739.2	8604.7	9020.6	8898.9	8663.3	8312.8	7933.0	6628.0	1470.7
57.5°	6971.7	6986.3	7501.4	8520.2	9057.8	9042.0	8865.1	8504.4	8223.8	7154.3	2095.1
60°	7322.2	7299.7	7571.3	8584.4	9132.2	9170.5	9044.3	8682.5	8476.2	7606.2	2926.8
62.5°	7955.6	7943.2	8030.0	8858.3	9349.7	9427.4	9293.3	8811.0	8699.4	7903.7	3875.8
65°	8521.3	8495.4	8656.6	9344.0	9731.7	9787.0	9669.8	9030.7	8797.4	8120.1	4767.3
67.5°	8765.9	8760.3	9019.5	9806.1	10133.0	10192.7	10090.1	9333.9	8774.9	8188.9	5160.6
70°	8654.3	8632.9	9047.6	10002.2	10359.5	10427.1	10327.9	9446.6	8530.3	7971.3	4577.9
71°	8531.5	8474.0	8963.1	9988.7	10391.0	10448.5	10275.0	9344.0	8284.7	7662.5	4049.4
72.5°	8150.5	8160.7	8731.0	9847.8	10315.5	10298.6	9975.2	8976.6	7988.3	6961.5	3252.6
75°	7212.9	7272.6	7979.2	9256.1	9641.6	9426.3	8931.6	8274.5	7393.2	4991.5	2258.5
77.5°	5894.3	5983.3	6759.8	8117.9	8008.5	7987.1	7966.8	7290.6	6313.5	2681.2	1571.1
80°	2814.1	3006.9	4077.5	5795.1	6295.5	6537.8	6385.6	5875.1	4882.2	1276.9	938.8
82.5°	183.7	181.4	257.0	486.9	2052.3	2653.0	4215.0	4199.2	3403.6	622.1	383.2
85°	86.8	89.0	98.0	111.6	129.6	142.0	196.1	1149.6	1628.5	296.4	83.4
87.5°	50.7	51.8	60.9	77.8	101.4	112.7	134.1	172.4	211.9	163.4	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

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CATALOG NUMBER: GALN-SA4B-850-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	92.4	91.3	87.9	84.5	81.1	78.9	77.8	78.9	78.9	80.0	80.0
5°	92.4	89.0	83.4	76.6	72.1	67.6	65.4	64.2	65.4	65.4	65.4
7.5°	91.3	85.7	77.8	69.9	64.2	58.6	56.4	55.2	55.2	56.4	56.4
10°	89.0	83.4	73.3	64.2	57.5	50.7	47.3	44.0	44.0	44.0	45.1
12.5°	87.9	80.0	67.6	58.6	49.6	41.7	34.9	31.6	32.7	32.7	32.7
15°	85.7	76.6	64.2	53.0	41.7	31.6	25.9	22.5	23.7	24.8	23.7
17.5°	85.7	75.5	59.7	46.2	32.7	23.7	19.2	16.9	16.9	18.0	18.0
20°	85.7	73.3	56.4	39.4	24.8	18.0	13.5	12.4	12.4	14.7	15.8
22.5°	87.9	73.3	51.8	32.7	20.3	13.5	10.1	9.0	10.1	12.4	13.5
25°	91.3	72.1	47.3	29.3	16.9	10.1	7.9	5.6	6.8	9.0	10.1
27.5°	94.7	71.0	42.8	25.9	13.5	7.9	5.6	4.5	3.4	4.5	4.5
30°	98.0	71.0	38.3	21.4	11.3	5.6	3.4	2.3	1.1	0.0	0.0
32.5°	100.3	68.7	34.9	16.9	9.0	4.5	2.3	1.1	0.0	0.0	0.0
35°	102.6	66.5	30.4	13.5	6.8	3.4	1.1	0.0	0.0	0.0	0.0
37.5°	104.8	63.1	25.9	11.3	5.6	2.3	0.0	0.0	0.0	0.0	0.0
40°	107.1	58.6	21.4	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	109.3	55.2	18.0	7.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	115.0	53.0	14.7	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	125.1	50.7	13.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	139.7	48.5	12.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	160.0	47.3	11.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	196.1	46.2	10.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	258.1	45.1	10.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	395.6	42.8	10.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	706.6	41.7	9.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1231.8	42.8	9.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1766.0	45.1	7.9	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1511.3	39.4	7.9	4.5	2.3	1.1	0.0	0.0	0.0	0.0	0.0
71°	1231.8	34.9	7.9	4.5	2.3	1.1	1.1	0.0	0.0	0.0	0.0
72.5°	792.3	27.0	6.8	4.5	2.3	2.3	1.1	0.0	0.0	0.0	0.0
75°	334.7	22.5	6.8	4.5	3.4	2.3	2.3	1.1	0.0	0.0	0.0
77.5°	143.1	16.9	6.8	5.6	4.5	3.4	3.4	2.3	1.1	0.0	0.0
80°	54.1	13.5	7.9	6.8	5.6	5.6	4.5	2.3	1.1	0.0	0.0
82.5°	24.8	11.3	7.9	6.8	6.8	5.6	4.5	3.4	2.3	0.0	0.0
85°	15.8	10.1	7.9	6.8	6.8	5.6	5.6	3.4	2.3	0.0	0.0
87.5°	12.4	10.1	7.9	7.9	6.8	6.8	4.5	3.4	1.1	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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-12
 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-850-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4760
 CIE u' : 0.2107
 CIE v' : 0.4939
 Duv: 0.0050
 CIE x: 0.3537
 CIE y: 0.3685
 CIE z: 0.2779
 Peak Wavelength (nm): 443
 Dominant Wavelength (nm): 571
 Purity: 16.69598
 R_f: 82
 R_g: 99.4

CRI (Ra): 81.1
 R1: 79.8
 R2: 83.5
 R3: 87.9
 R4: 83.1
 R5: 80.5
 R6: 79.1
 R7: 86.1
 R8: 69.0
 R9: 8.7
 R10: 62.4
 R11: 83.8
 R12: 63.0
 R13: 79.9
 R14: 93.3
 R15: 72.7



Test Conditions

Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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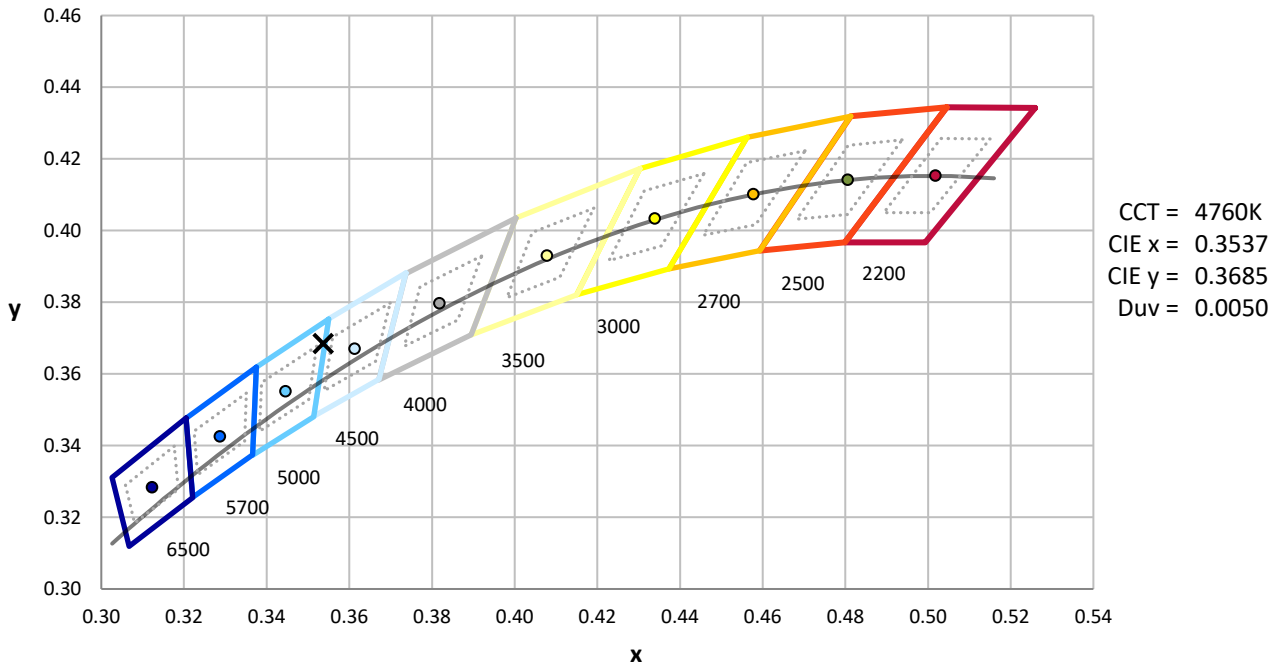
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

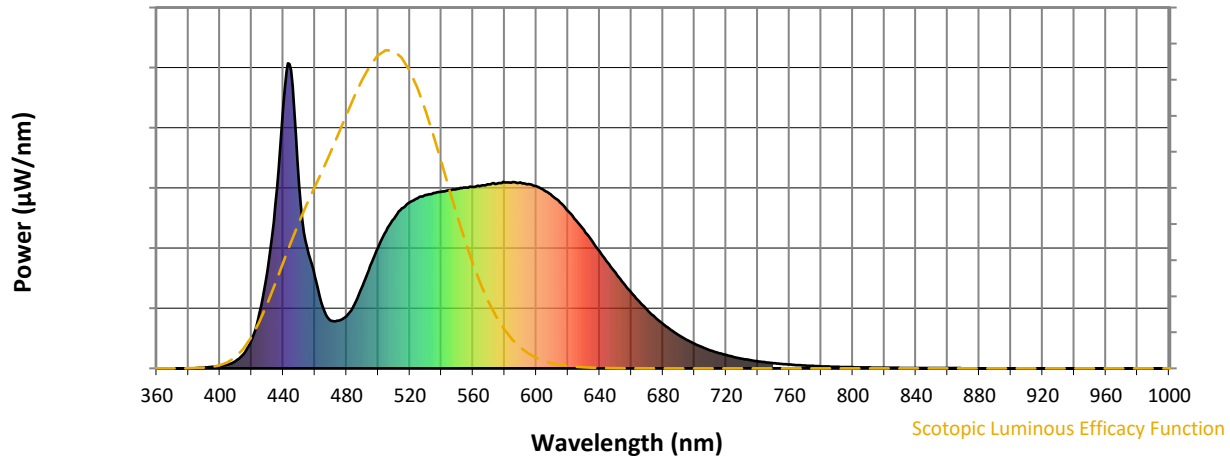


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



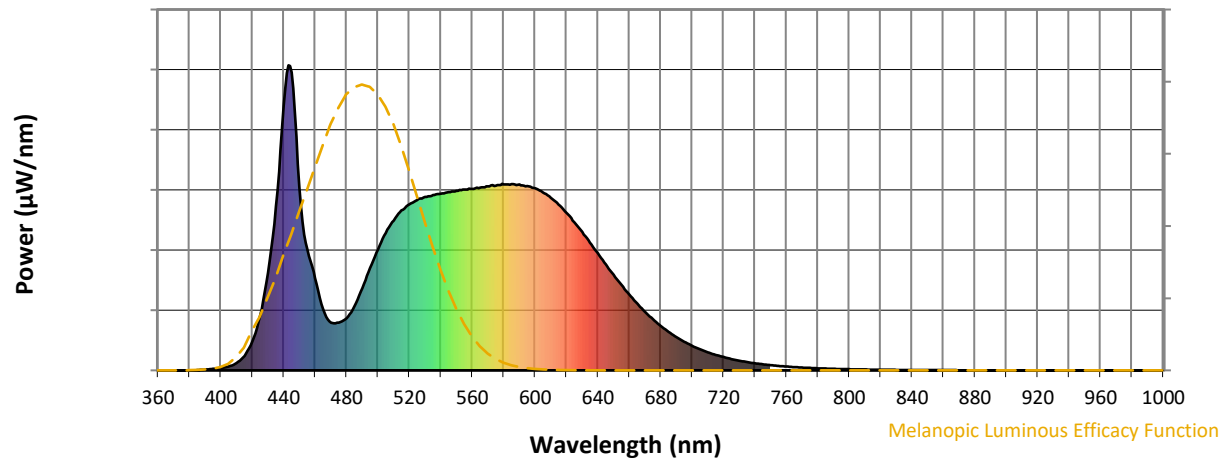
Scotopic Lumens: NR

S/P: 1.83

λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

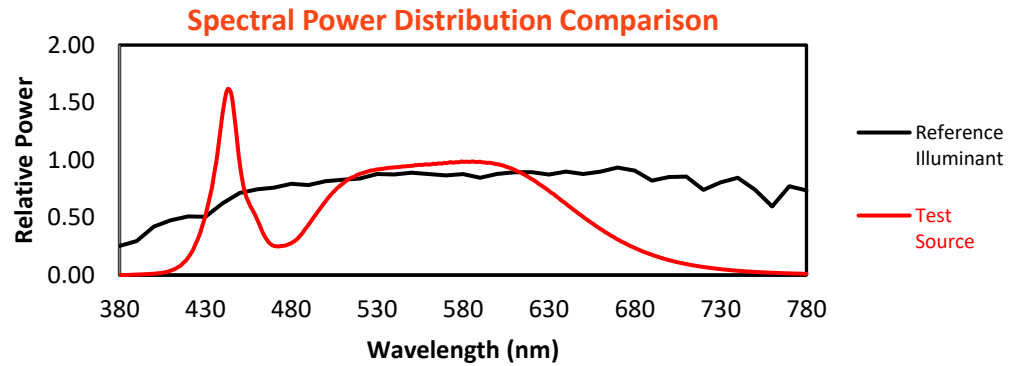
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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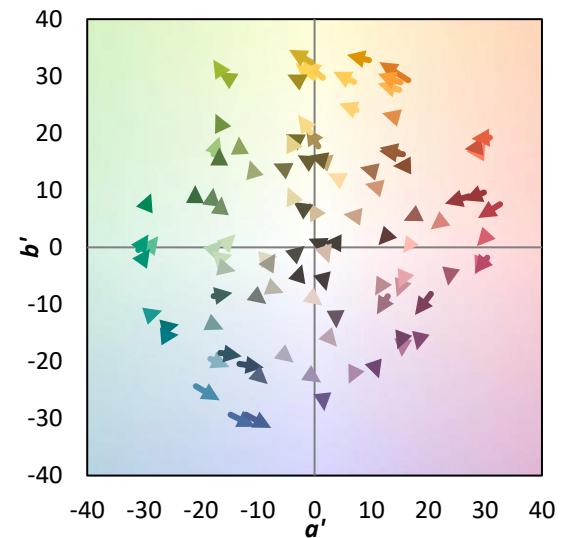
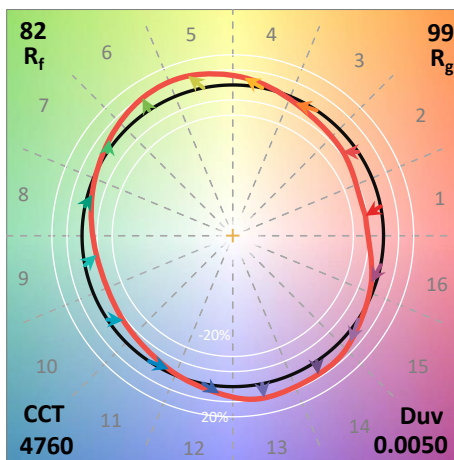
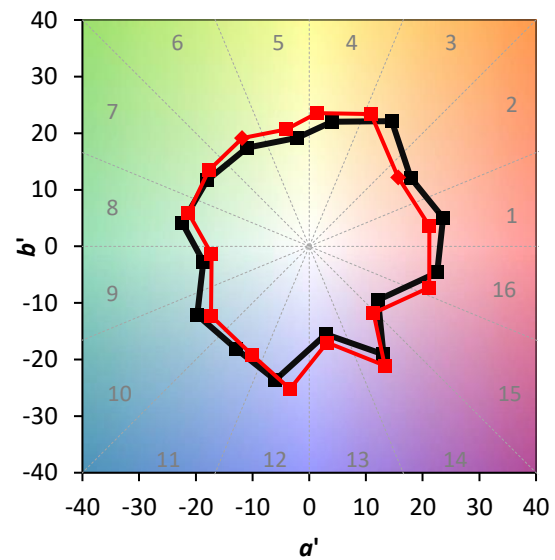
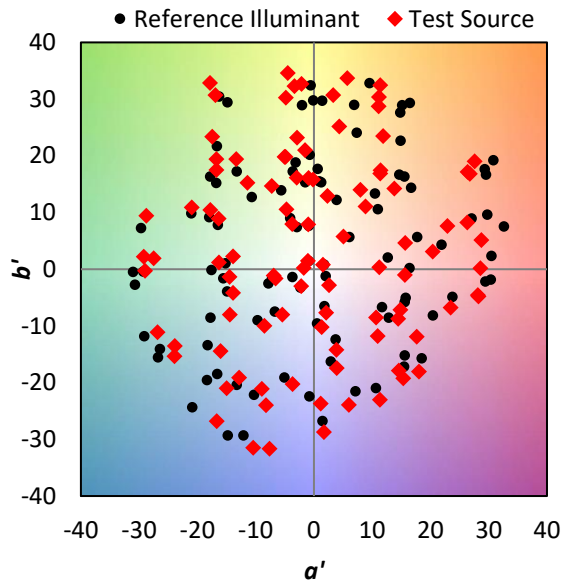
TM-30-18

Summary

$R_f = 82$
 $R_g = 99.4$
 $CIE R_a = 81.1$
 $R_9 = 8.7$



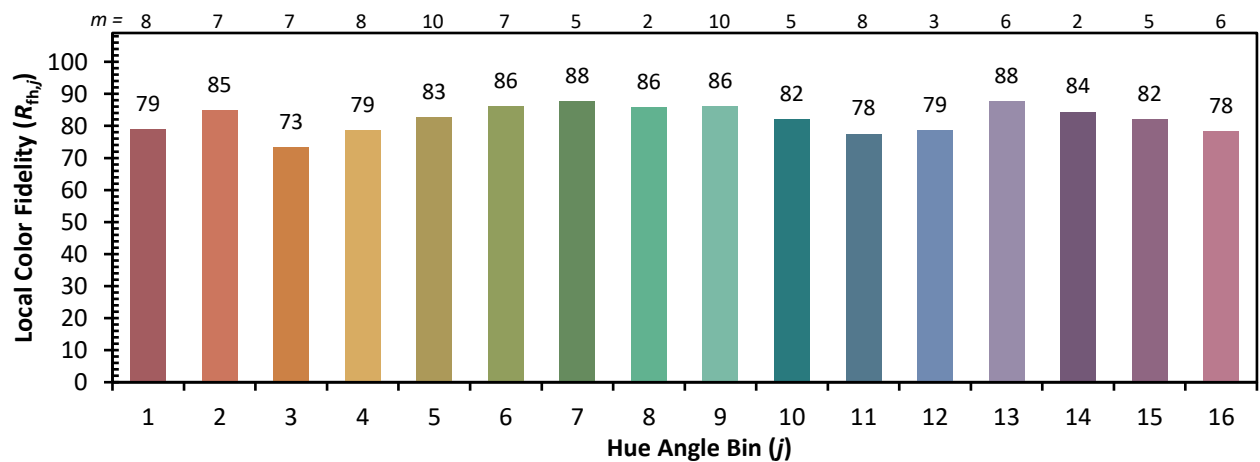
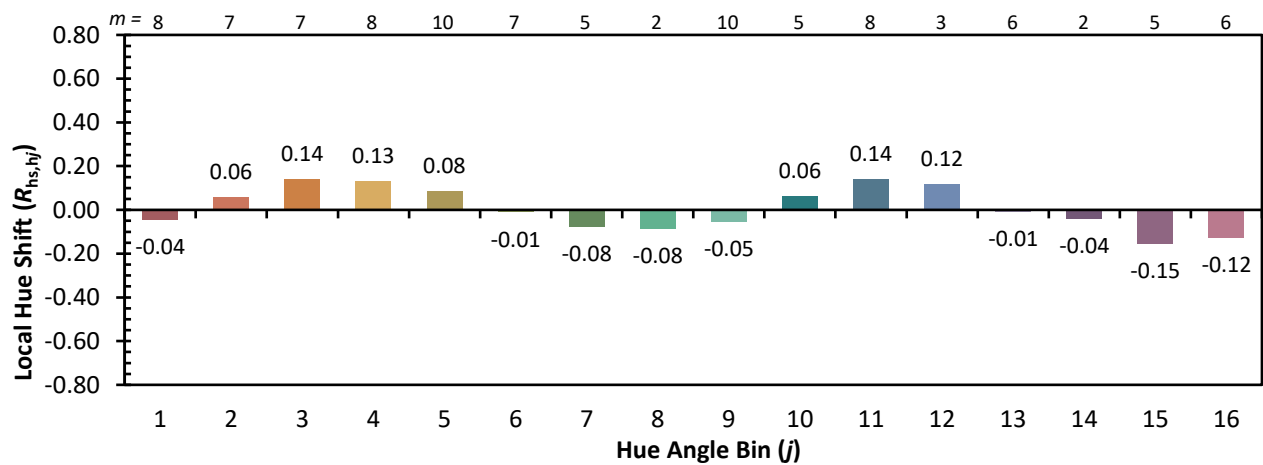
Color Vector Graphics



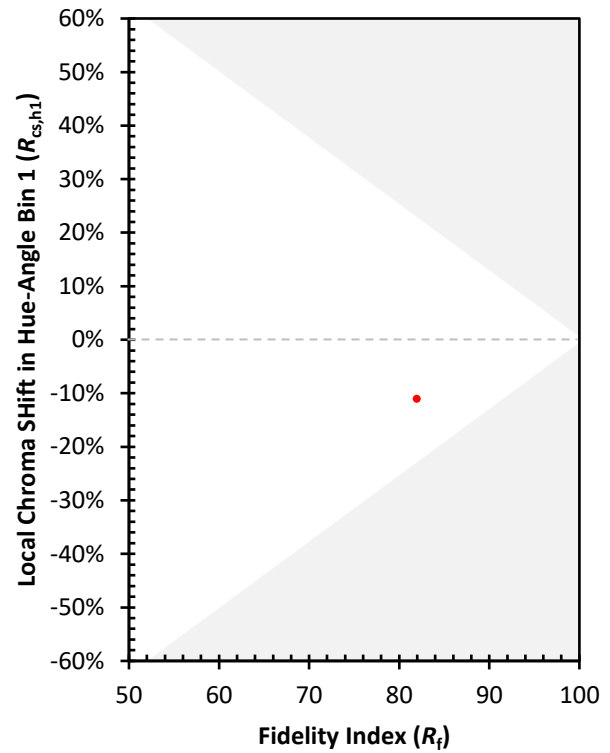
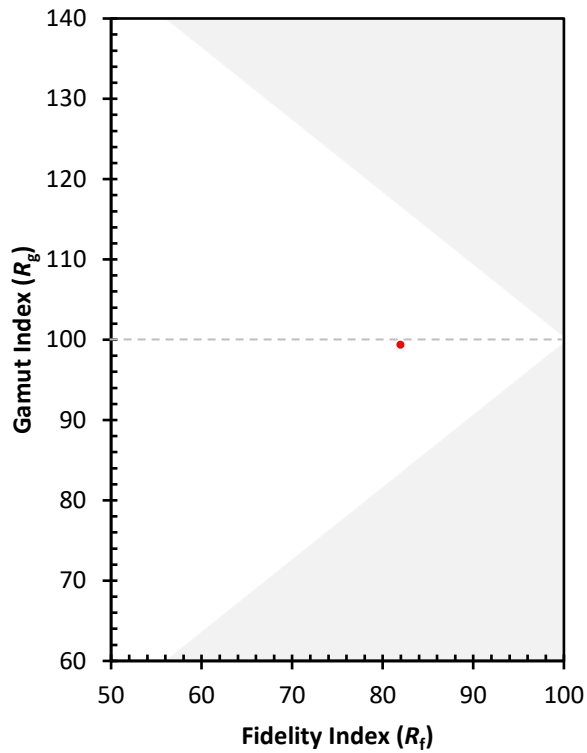
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)