

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: P1048830

Luminaire Tested: **GALN-SA5B-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048830
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17853.8 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 178.8
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

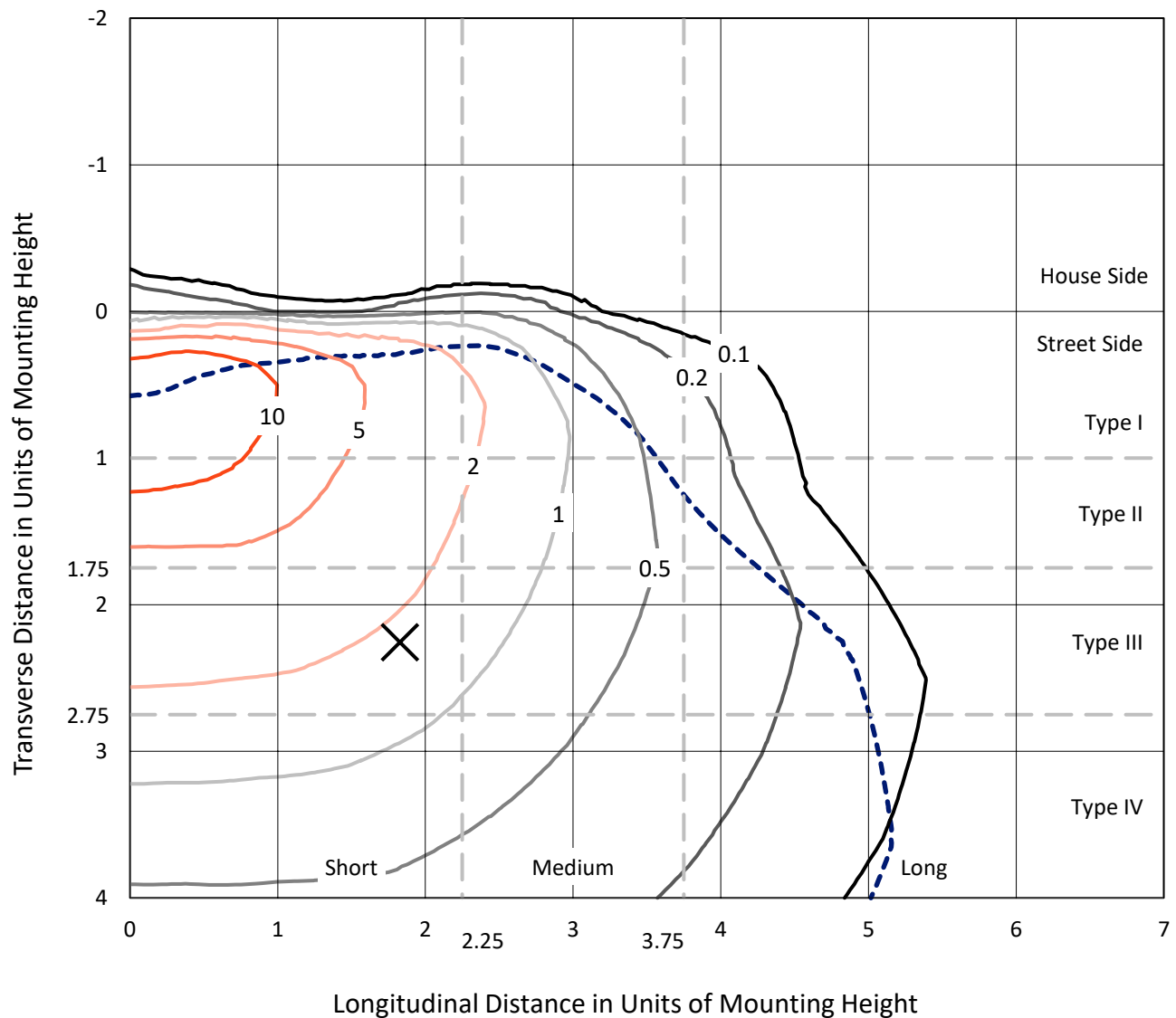


REPORT NUMBER: P1048830

CATALOG NUMBER: GALN-SA5B-950-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

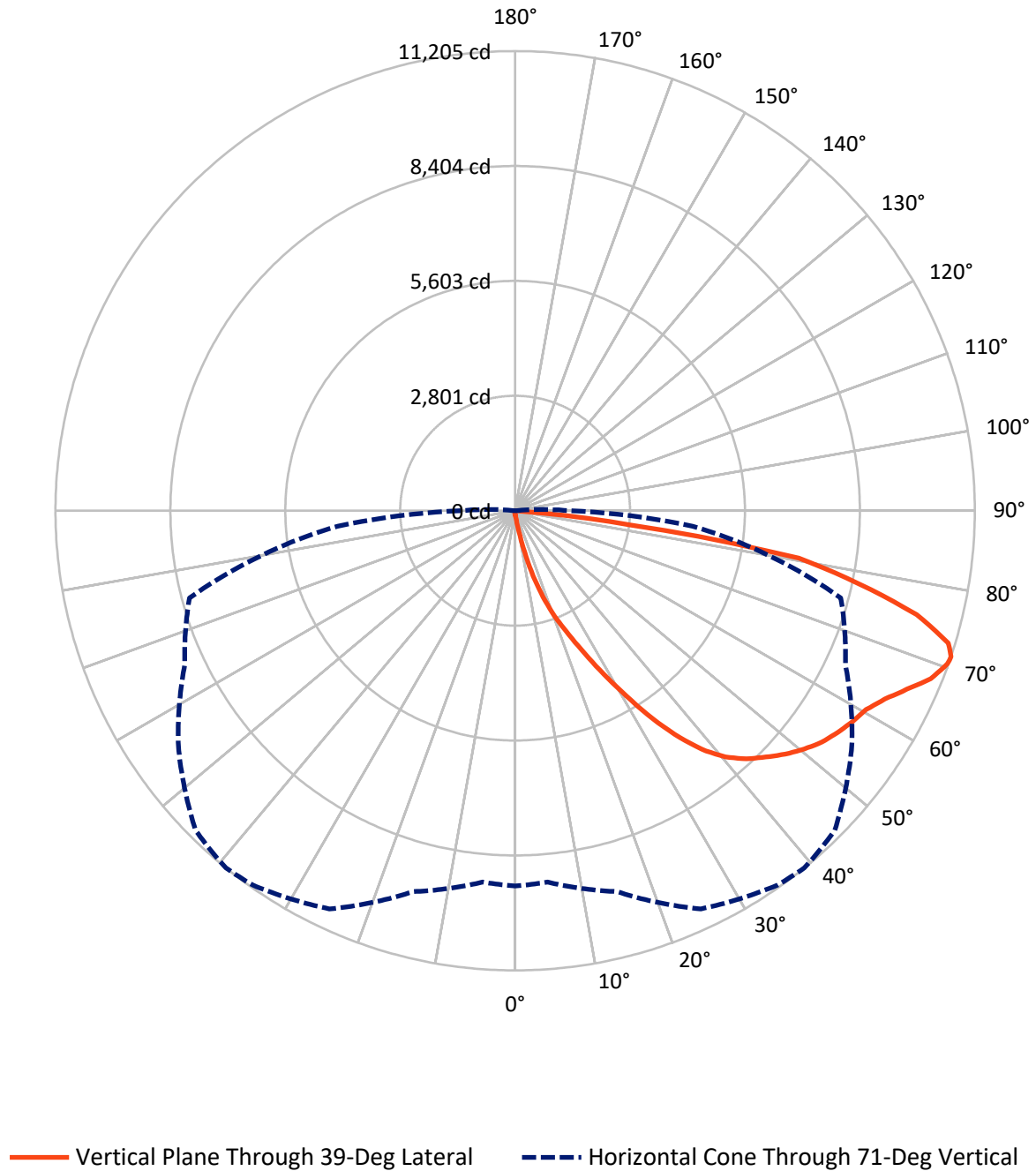


Based on 15 foot mounting height. Maximum calculated value = 18.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P1048830

CATALOG NUMBER: GALN-SA5B-950-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048830

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	63.4	0.0	63.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17790.3	0.0	17790.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	17853.8	0.0	17853.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.1
10°-20°	190.8	1.1
20°-30°	679.6	3.8
30°-40°	1637.8	9.2
40°-50°	2741.0	15.4
50°-60°	3520.5	19.7
60°-70°	4455.2	25.0
70°-80°	3972.0	22.2
80°-90°	642.1	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°	17853.8	100.0
0°-180°	17853.8	100.0



REPORT NUMBER: P1048830

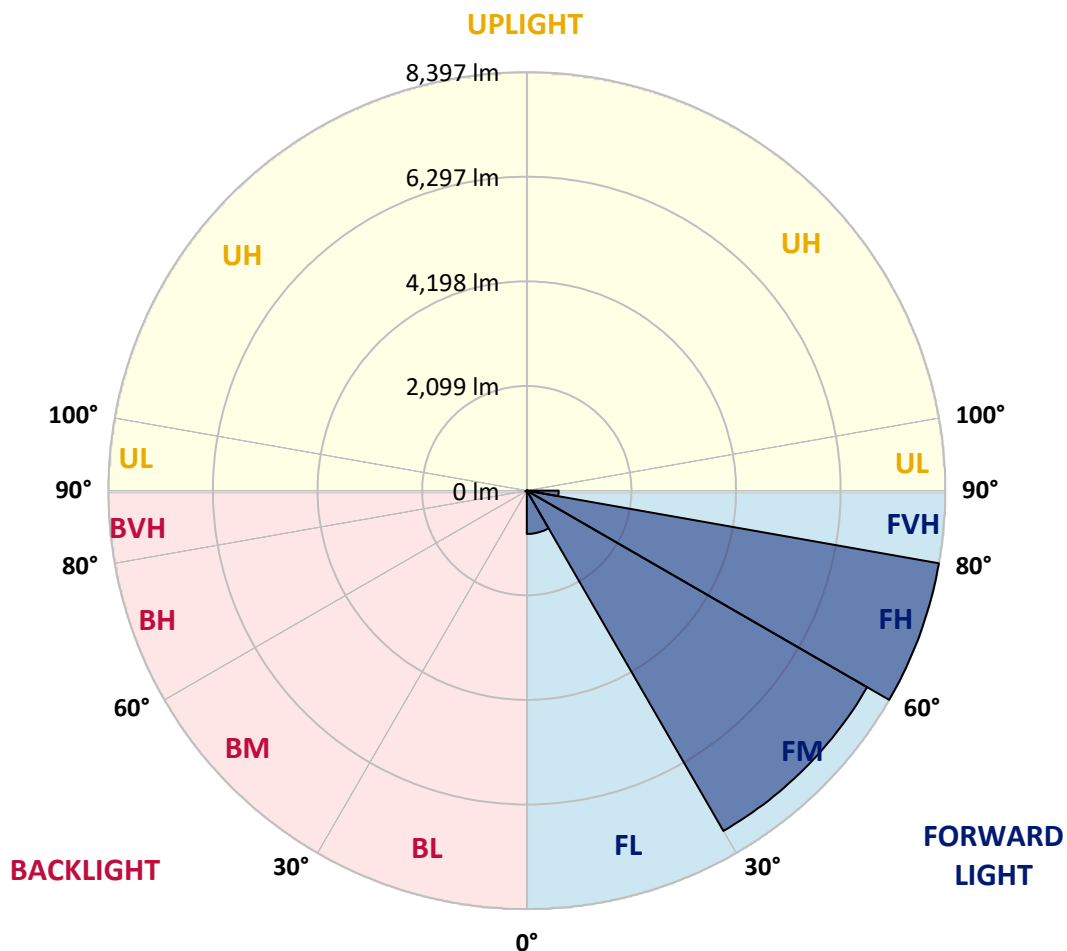
CATALOG NUMBER: GALN-SA5B-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	870.0	4.9			
FM	(30°-60°)	7884.6	44.2			
FH	(60°-80°)	8396.6	47.0			G4/12000
FVH	(80°-90°)	639.1	3.6			G4/750
BL	(0°-30°)	15.3	0.1	B0/110		
BM	(30°-60°)	14.7	0.1	B0/220		
BH	(60°-80°)	30.5	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	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-G4

Type IV Short





REPORT NUMBER: P1048830

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
2.5°	112.4	112.4	112.4	108.8	108.8	107.6	106.4	106.4	103.9	102.7	100.3
5°	170.4	166.8	158.3	153.5	143.8	137.8	131.7	123.3	114.8	108.8	101.5
7.5°	385.5	394.0	366.2	314.2	261.1	238.1	199.4	160.7	132.9	114.8	102.7
10°	982.6	977.8	883.5	779.5	601.9	530.6	415.8	262.3	171.6	125.7	103.9
12.5°	1671.5	1666.7	1555.5	1414.1	1179.6	1030.9	813.4	489.5	246.6	142.6	103.9
15°	2250.4	2231.1	2196.0	2055.8	1781.5	1657.0	1369.3	865.4	398.8	171.6	106.4
17.5°	2633.5	2616.6	2584.0	2533.2	2359.2	2211.7	1980.9	1359.7	645.4	222.4	111.2
20°	2985.3	2973.2	2946.6	2936.9	2824.5	2745.9	2555.0	1927.7	1005.6	302.2	118.4
22.5°	3468.7	3443.3	3454.2	3396.2	3286.2	3191.9	3074.7	2522.4	1445.5	435.1	131.7
25°	4060.9	4048.8	4018.6	3977.5	3825.2	3743.0	3563.0	3083.1	1937.4	609.1	146.2
27.5°	4776.4	4763.1	4755.9	4661.6	4486.3	4396.9	4145.5	3612.5	2490.9	853.3	165.6
30°	5600.7	5606.7	5559.6	5438.7	5234.5	5108.8	4850.1	4167.3	3057.8	1139.7	186.1
32.5°	6453.9	6441.9	6369.3	6226.7	6044.2	5927.0	5598.3	4775.2	3652.4	1518.0	210.3
35°	7373.7	7350.7	7159.8	6996.6	6840.7	6693.2	6393.5	5481.0	4247.0	1942.2	242.9
37.5°	8301.9	8194.3	7811.2	7604.5	7497.0	7376.1	7096.9	6234.0	4838.0	2416.0	282.8
40°	9002.9	8919.5	8465.1	8084.4	7998.5	7895.8	7687.9	6884.2	5466.5	2924.8	331.2
42.5°	9390.9	9344.9	8936.4	8560.5	8358.7	8268.1	8090.4	7452.3	6087.7	3486.8	401.3
45°	9556.4	9485.1	9212.0	9036.7	8715.2	8565.4	8353.9	7881.3	6736.8	4125.0	499.2
47.5°	9505.7	9464.6	9268.8	9332.8	9099.6	8866.3	8555.7	8210.0	7291.5	4857.4	633.3
50°	9186.6	9151.5	9091.1	9438.0	9409.0	9133.4	8816.8	8469.9	7744.7	5612.8	841.2
52.5°	8579.9	8565.4	8720.1	9355.8	9584.2	9369.1	9068.2	8699.5	8167.7	6402.0	1138.5
55°	7797.9	7857.1	8299.5	9227.7	9673.7	9543.1	9290.5	8914.7	8507.4	7107.8	1577.2
57.5°	7476.4	7492.1	8044.5	9137.0	9713.6	9696.6	9506.9	9120.1	8819.2	7672.2	2246.8
60°	7852.3	7828.1	8119.4	9205.9	9793.3	9834.4	9699.0	9311.1	9089.9	8156.9	3138.7
62.5°	8531.5	8518.2	8611.3	9499.6	10026.6	10110.0	9966.1	9448.9	9329.2	8475.9	4156.4
65°	9138.3	9110.5	9283.3	10020.5	10436.3	10495.5	10369.8	9684.5	9434.4	8708.0	5112.4
67.5°	9400.5	9394.5	9672.5	10516.1	10866.6	10930.6	10820.6	10009.7	9410.2	8781.7	5534.2
70°	9280.9	9257.9	9702.7	10726.4	11109.5	11182.0	11075.6	10130.5	9147.9	8548.5	4909.3
71°	9149.1	9087.5	9612.0	10711.9	11143.3	11205.0	11018.8	10020.5	8884.4	8217.3	4342.5
72.5°	8740.6	8751.5	9363.1	10560.8	11062.4	11044.2	10697.4	9626.5	8566.6	7465.5	3488.0
75°	7735.1	7799.1	8556.9	9926.3	10339.6	10108.8	9578.2	8873.6	7928.4	5352.9	2422.0
77.5°	6321.0	6416.5	7249.2	8705.6	8588.3	8565.4	8543.6	7818.5	6770.6	2875.3	1684.8
80°	3017.9	3224.6	4372.7	6214.6	6751.3	7011.1	6848.0	6300.5	5235.7	1369.3	1006.8
82.5°	197.0	194.6	275.6	522.1	2200.9	2845.1	4520.2	4503.3	3650.0	667.1	410.9
85°	93.1	95.5	105.1	119.7	139.0	152.3	210.3	1232.8	1746.4	317.9	89.4
87.5°	54.4	55.6	65.3	83.4	108.8	120.9	143.8	184.9	227.2	175.2	19.3
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: P1048830

CATALOG NUMBER: GALN-SA5B-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
2.5°	99.1	97.9	94.3	90.6	87.0	84.6	83.4	84.6	84.6	85.8	85.8
5°	99.1	95.5	89.4	82.2	77.4	72.5	70.1	68.9	70.1	70.1	70.1
7.5°	97.9	91.9	83.4	74.9	68.9	62.8	60.4	59.2	59.2	60.4	60.4
10°	95.5	89.4	78.6	68.9	61.6	54.4	50.8	47.1	47.1	47.1	48.3
12.5°	94.3	85.8	72.5	62.8	53.2	44.7	37.5	33.8	35.0	35.0	35.0
15°	91.9	82.2	68.9	56.8	44.7	33.8	27.8	24.2	25.4	26.6	25.4
17.5°	91.9	81.0	64.1	49.6	35.0	25.4	20.5	18.1	18.1	19.3	19.3
20°	91.9	78.6	60.4	42.3	26.6	19.3	14.5	13.3	13.3	15.7	16.9
22.5°	94.3	78.6	55.6	35.0	21.8	14.5	10.9	9.7	10.9	13.3	14.5
25°	97.9	77.4	50.8	31.4	18.1	10.9	8.5	6.0	7.3	9.7	10.9
27.5°	101.5	76.1	45.9	27.8	14.5	8.5	6.0	4.8	3.6	4.8	4.8
30°	105.1	76.1	41.1	23.0	12.1	6.0	3.6	2.4	1.2	0.0	0.0
32.5°	107.6	73.7	37.5	18.1	9.7	4.8	2.4	1.2	0.0	0.0	0.0
35°	110.0	71.3	32.6	14.5	7.3	3.6	1.2	0.0	0.0	0.0	0.0
37.5°	112.4	67.7	27.8	12.1	6.0	2.4	0.0	0.0	0.0	0.0	0.0
40°	114.8	62.8	23.0	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	117.2	59.2	19.3	8.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	123.3	56.8	15.7	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	134.2	54.4	14.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	149.9	52.0	13.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	171.6	50.8	12.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	210.3	49.6	10.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	276.8	48.3	10.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	424.2	45.9	10.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	757.8	44.7	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1321.0	45.9	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1893.9	48.3	8.5	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1620.7	42.3	8.5	4.8	2.4	1.2	0.0	0.0	0.0	0.0	0.0
71°	1321.0	37.5	8.5	4.8	2.4	1.2	1.2	0.0	0.0	0.0	0.0
72.5°	849.6	29.0	7.3	4.8	2.4	2.4	1.2	0.0	0.0	0.0	0.0
75°	359.0	24.2	7.3	4.8	3.6	2.4	2.4	1.2	0.0	0.0	0.0
77.5°	153.5	18.1	7.3	6.0	4.8	3.6	3.6	2.4	1.2	0.0	0.0
80°	58.0	14.5	8.5	7.3	6.0	6.0	4.8	2.4	1.2	0.0	0.0
82.5°	26.6	12.1	8.5	7.3	7.3	6.0	4.8	3.6	2.4	0.0	0.0
85°	16.9	10.9	8.5	7.3	7.3	6.0	6.0	3.6	2.4	0.0	0.0
87.5°	13.3	10.9	8.5	8.5	7.3	7.3	4.8	3.6	1.2	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: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

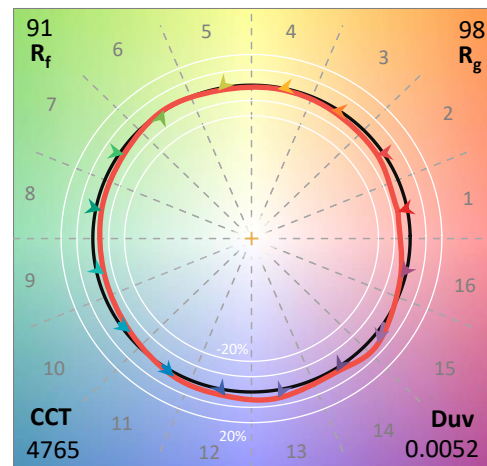
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 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-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4765
 CIE u' : 0.2105
 CIE v' : 0.4941
 Duv: 0.0052
 CIE x: 0.3536
 CIE y: 0.3689
 CIE z: 0.2775
 Peak Wavelength (nm): 449
 Dominant Wavelength (nm): 571
 Purity: 16.80041
 R_f: 90.7
 R_g: 98

CRI (Ra): 90.8
 R1: 89.8
 R2: 93.1
 R3: 95.3
 R4: 90.3
 R5: 89.0
 R6: 89.7
 R7: 94.9
 R8: 84.0
 R9: 54.9
 R10: 83.0
 R11: 89.6
 R12: 68.0
 R13: 90.6
 R14: 97.3
 R15: 86.2



Test Conditions

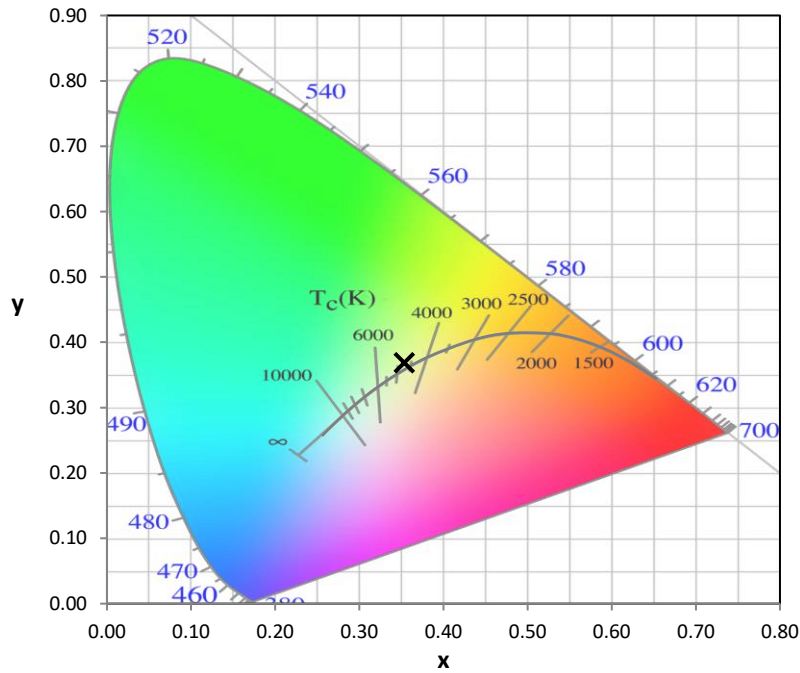
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

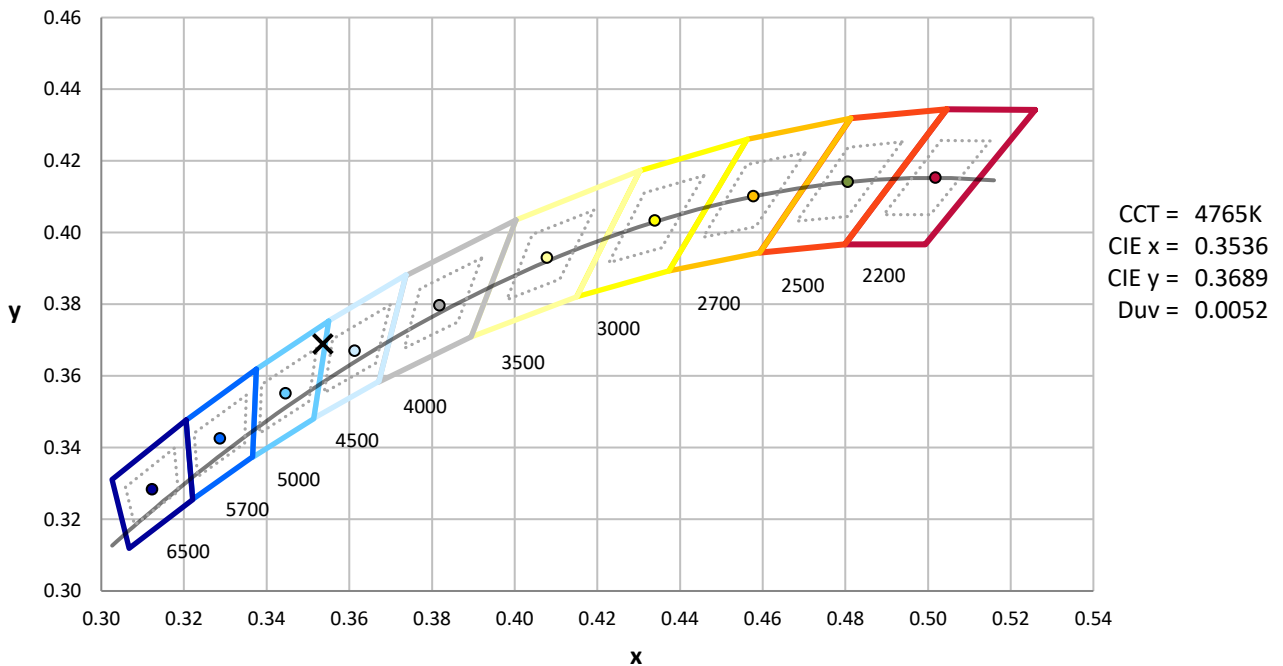
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-17

CIE 1931 Chromaticity Diagram



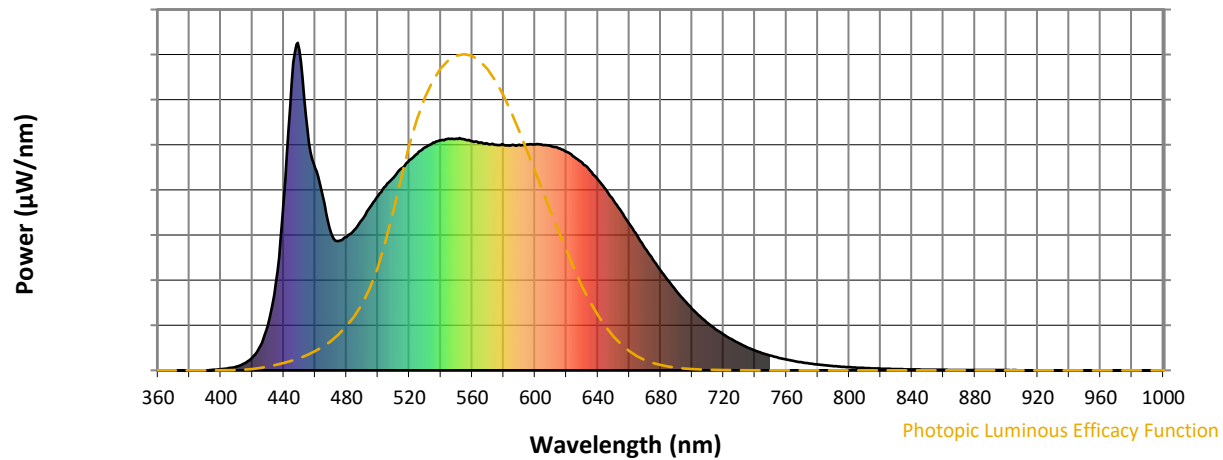
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

Photopic Flux vs. Wavelength

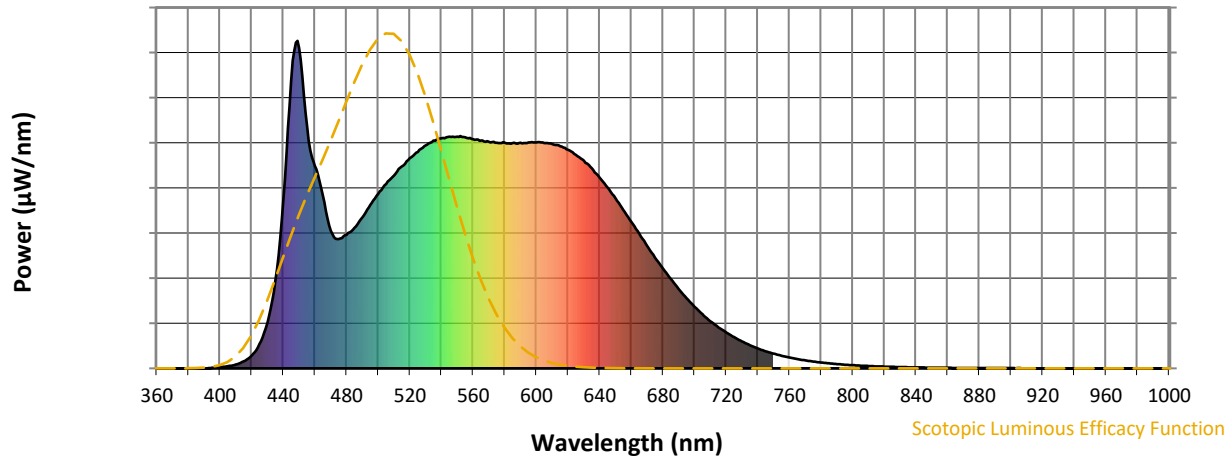


Photopic Lumens: NR

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

Scotopic Flux vs. Wavelength



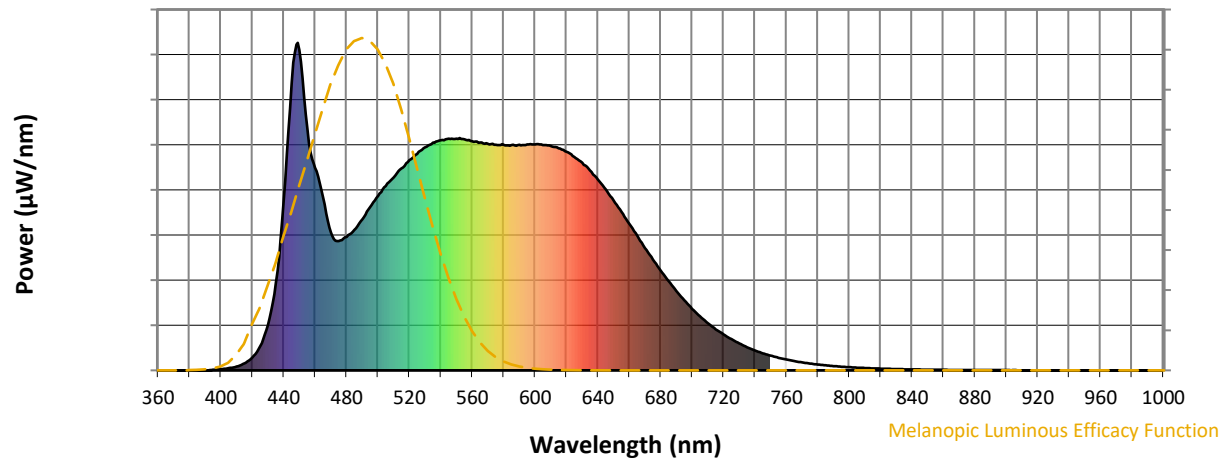
Scotopic Lumens: NR

S/P: 1.99

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

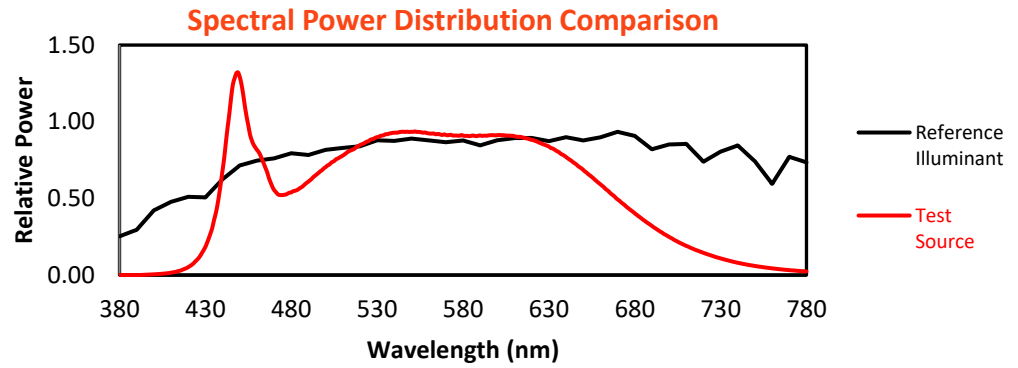
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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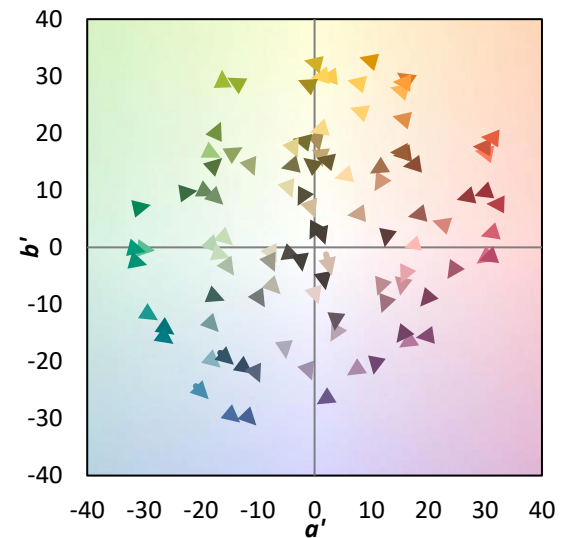
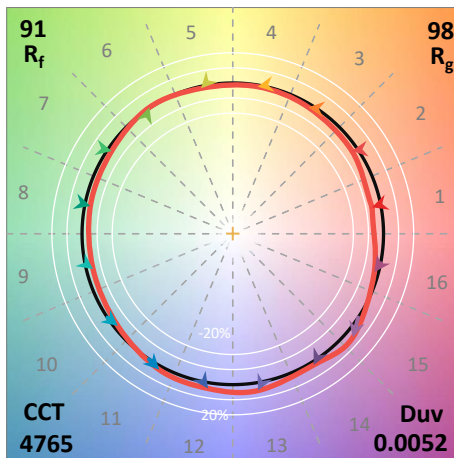
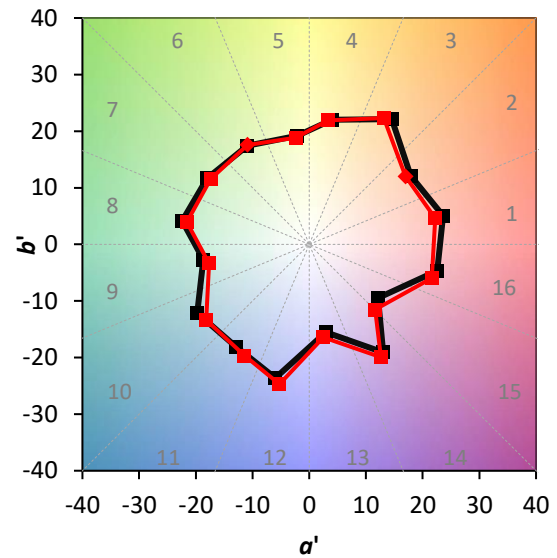
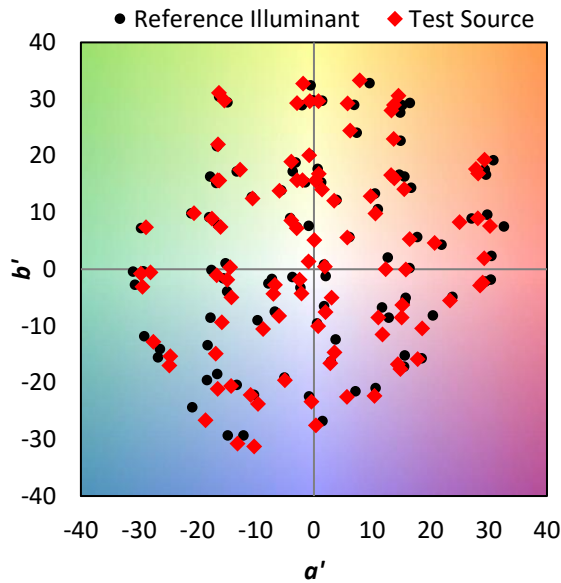
TM-30-18

Summary

$R_f = 90.7$
 $R_g = 98$
 CIE $R_a = 90.8$
 $R_9 = 54.9$

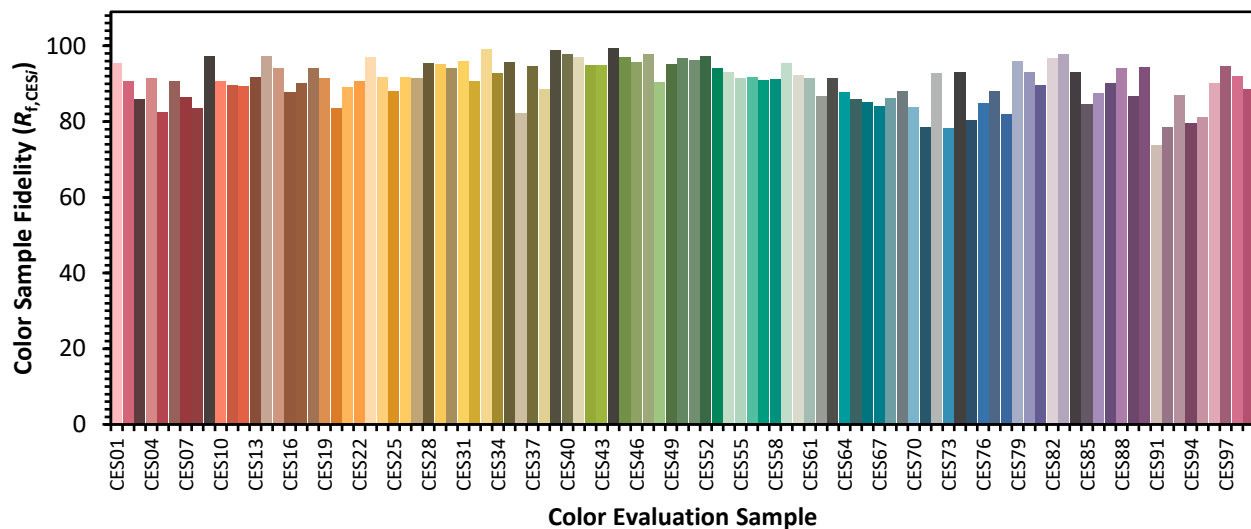


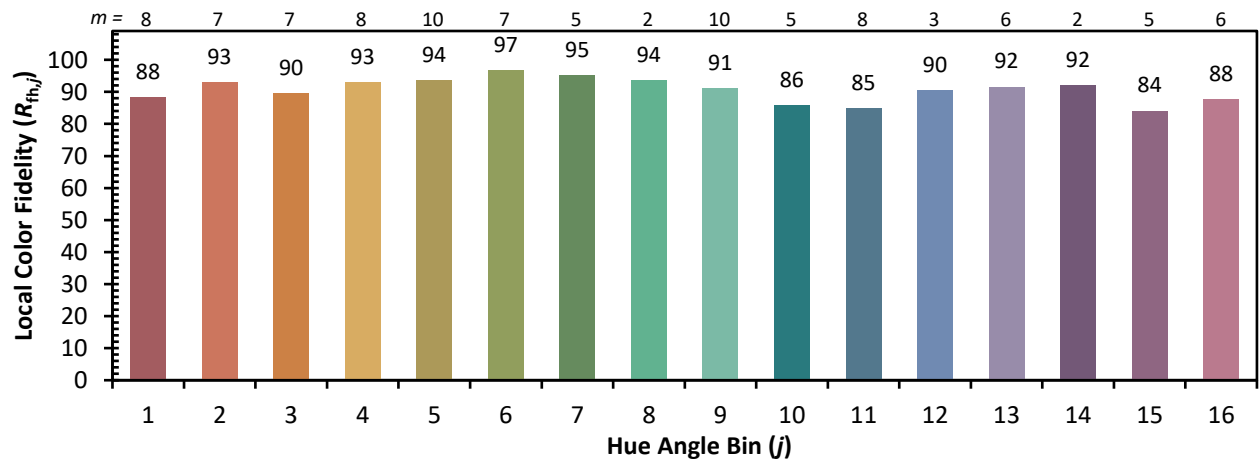
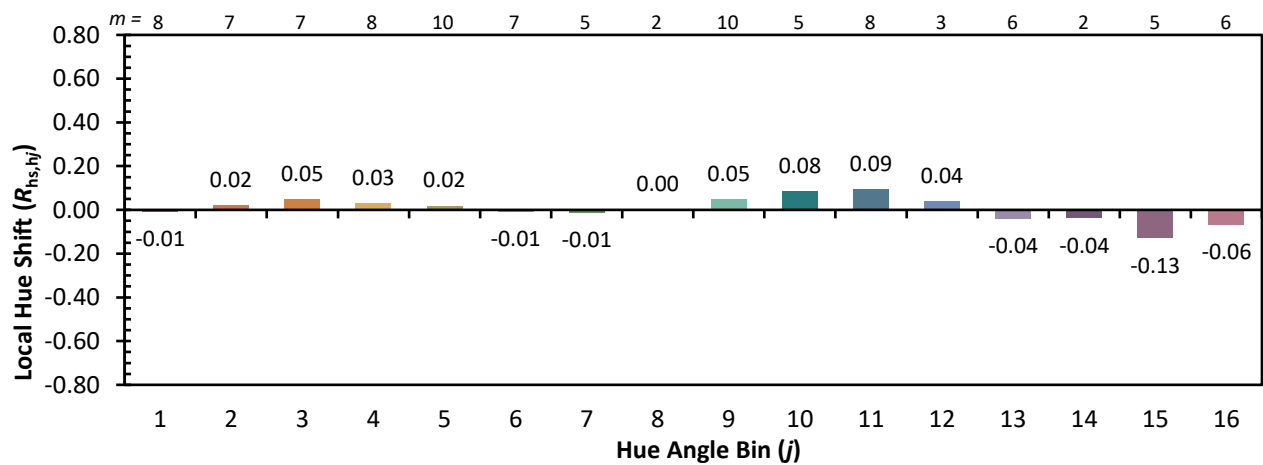
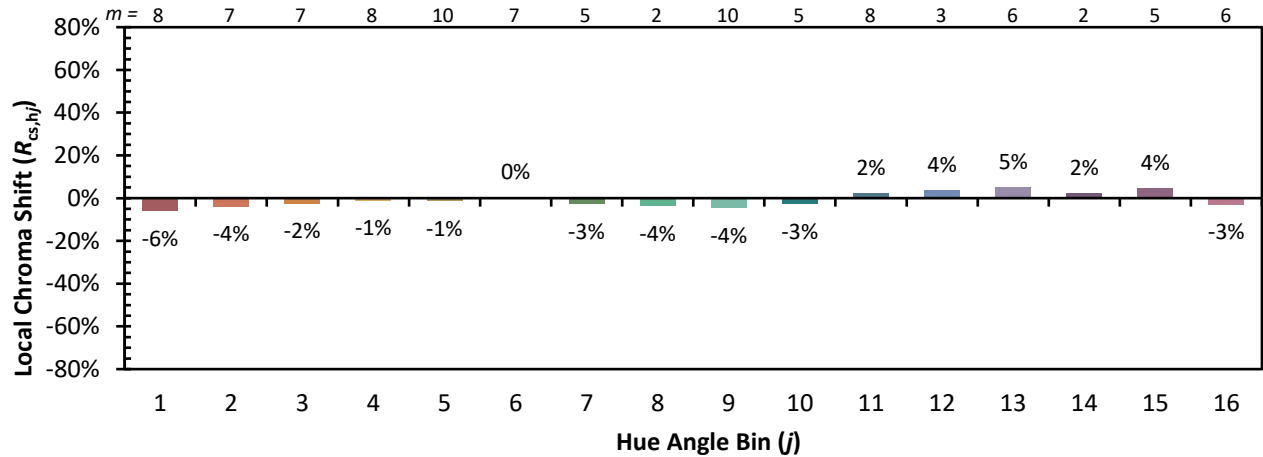
Color Vector Graphics



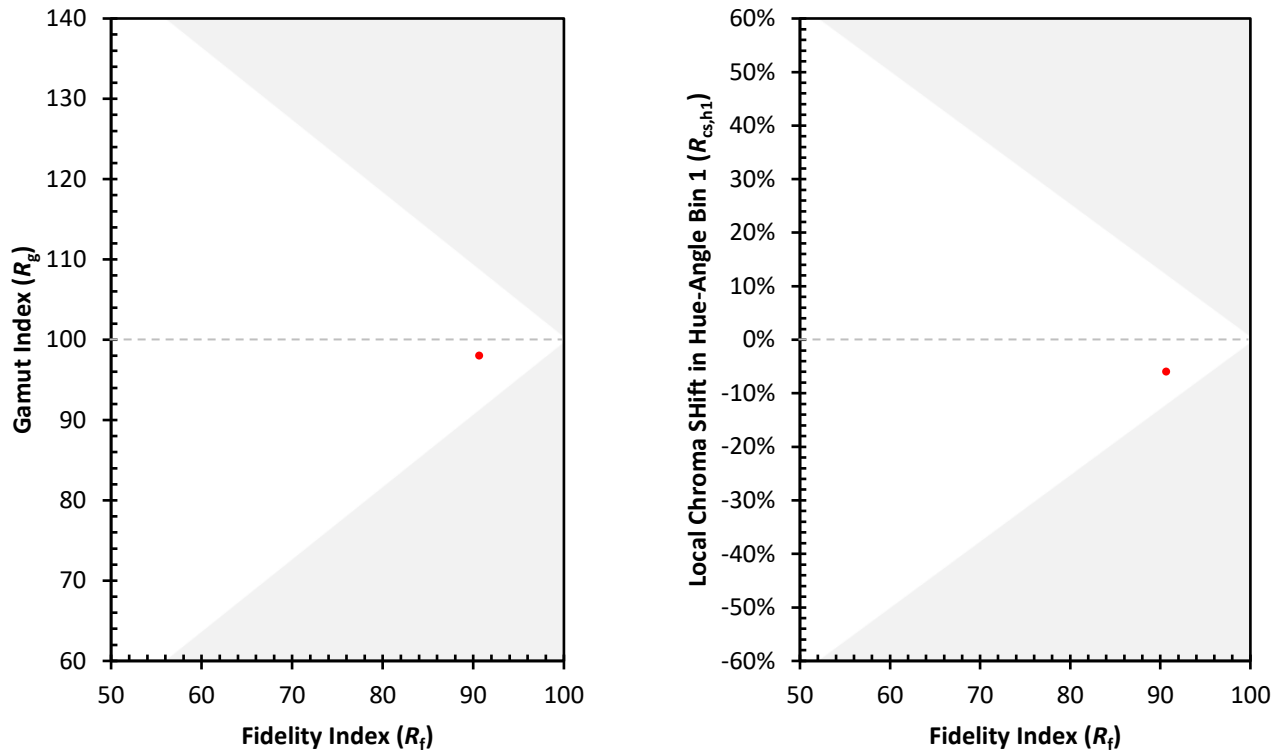
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)