

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: P1047602

Luminaire Tested: **GALN-SA4B-950-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047602
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-950-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14940.1 lumens
Efficiency: N/A
Efficacy: 103.7 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): 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

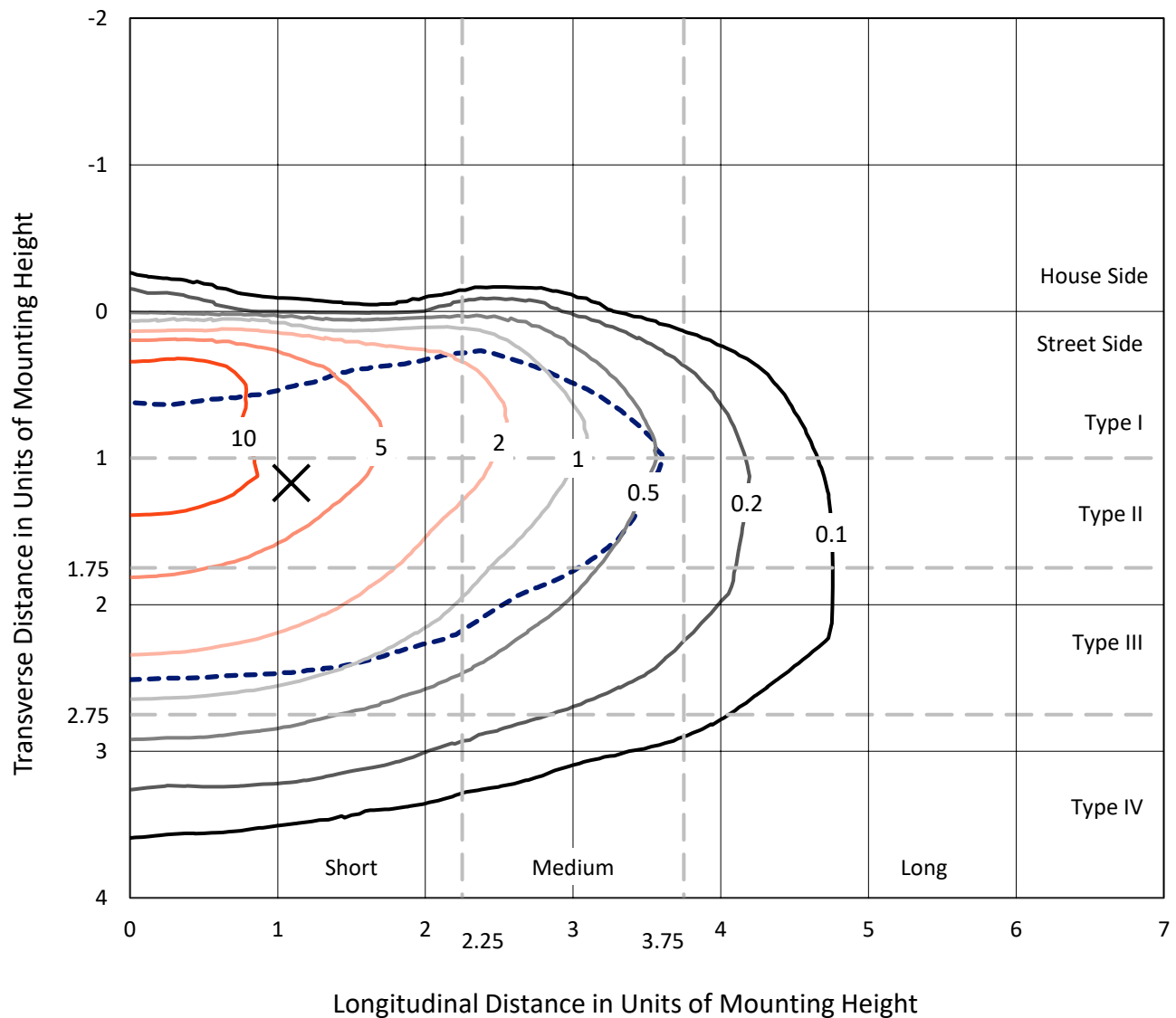


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

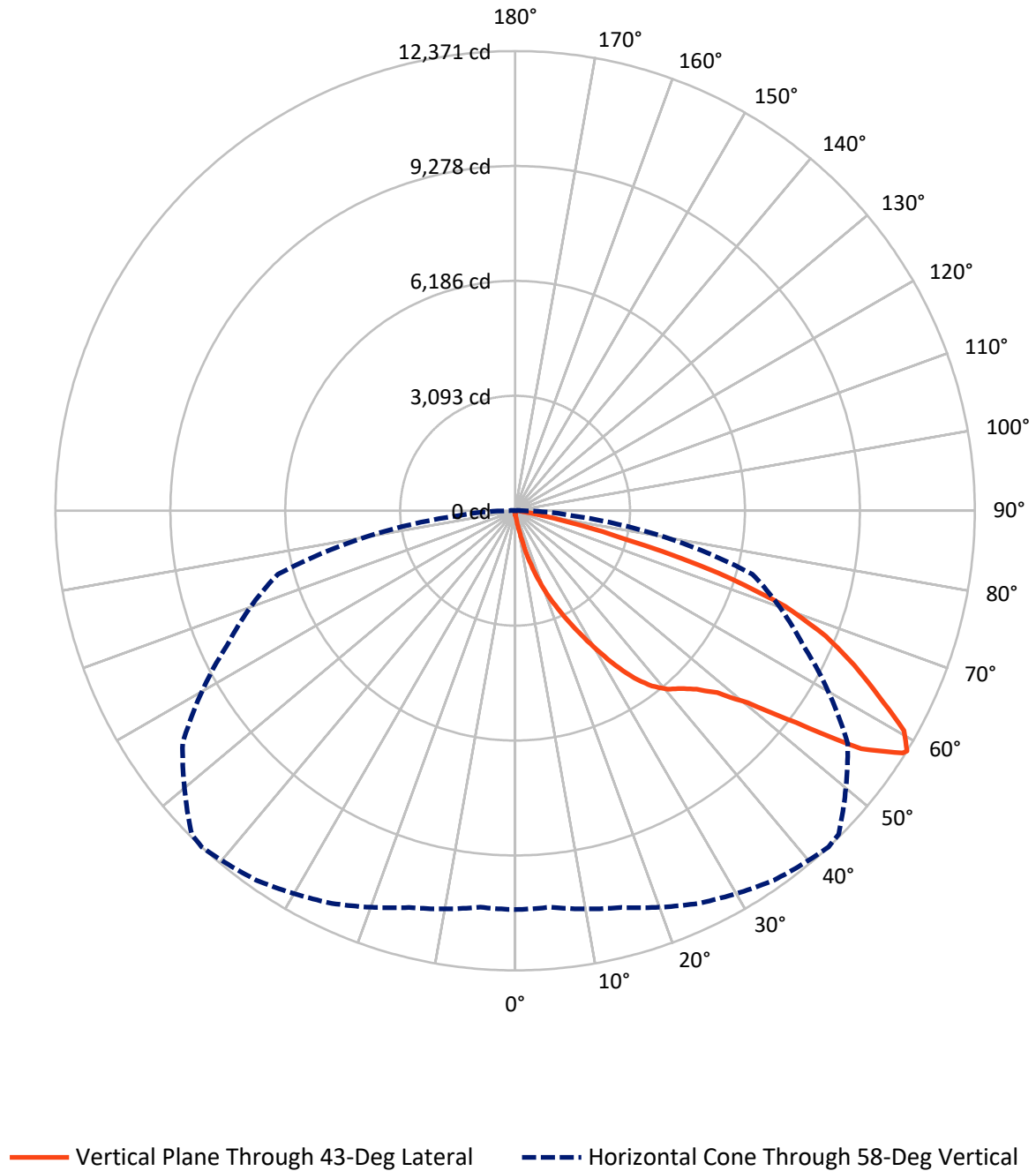


Based on 15 foot mounting height. Maximum calculated value = 16.8 fc
 Type III - Short - N/A

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CATALOG NUMBER: GALN-SA4B-950-U-T3BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	54.5	0.0	54.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14885.5	0.0	14885.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	14940.1	0.0	14940.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.1
10°-20°	171.7	1.1
20°-30°	619.0	4.1
30°-40°	1416.2	9.5
40°-50°	2388.6	16.0
50°-60°	3941.8	26.4
60°-70°	4405.5	29.5
70°-80°	1818.9	12.2
80°-90°	164.0	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°	14940.1	100.0
0°-180°	14940.1	100.0



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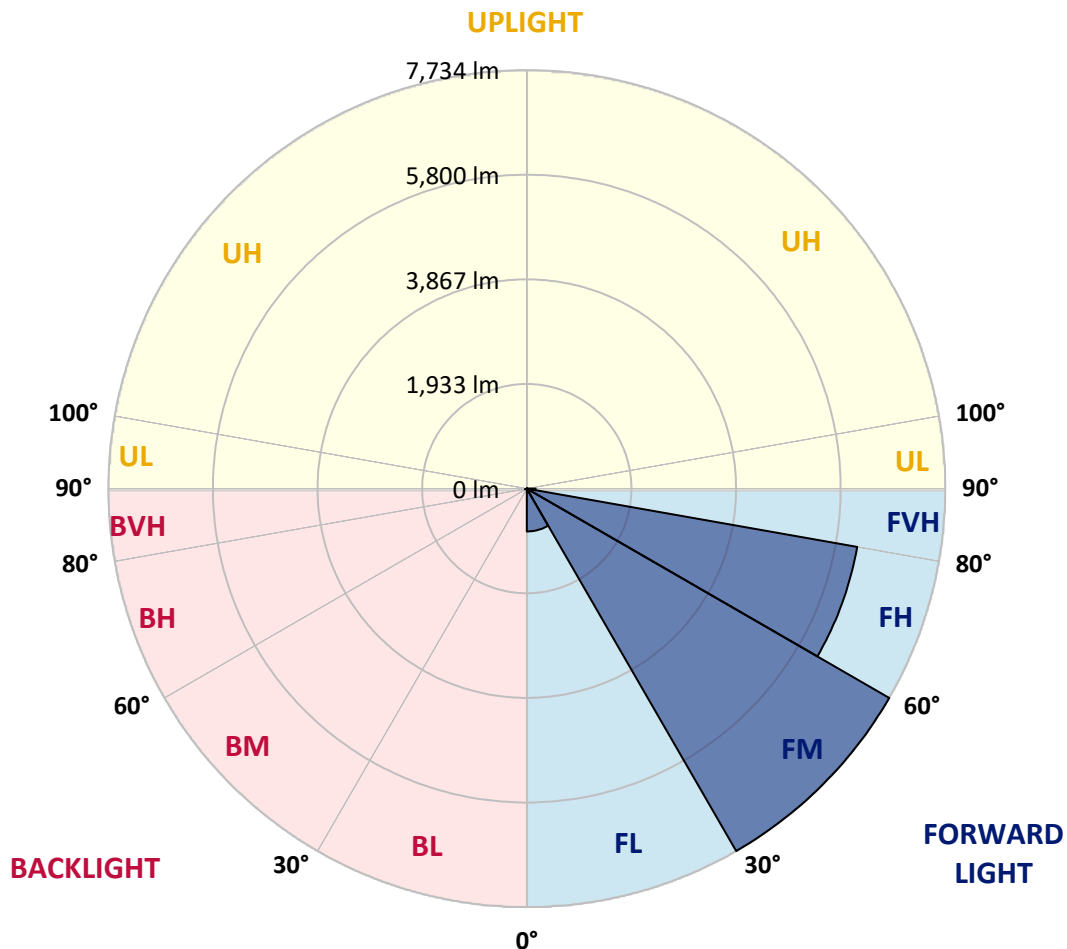
CATALOG NUMBER: GALN-SA4B-950-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	790.8	5.3			
FM	(30°-60°)	7733.6	51.8			
FH	(60°-80°)	6199.4	41.5			G3/7500
FVH	(80°-90°)	161.7	1.1			G2/225
BL	(0°-30°)	14.2	0.1	B0/110		
BM	(30°-60°)	13.1	0.1	B0/220		
BH	(60°-80°)	25.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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°	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2.5°	117.2	121.1	117.2	117.2	117.2	113.3	113.3	109.4	109.4	105.5	101.6
5°	171.9	171.9	160.2	152.4	144.6	140.7	136.8	128.9	121.1	113.3	105.5
7.5°	382.9	382.9	347.8	300.9	238.4	203.2	195.4	160.2	136.8	121.1	105.5
10°	914.3	914.3	836.2	707.2	547.0	406.4	363.4	230.5	164.1	128.9	109.4
12.5°	1520.0	1539.5	1441.8	1277.7	1039.4	793.2	707.2	422.0	218.8	140.7	109.4
15°	2063.1	2016.2	1988.9	1832.6	1606.0	1312.9	1203.5	711.2	316.5	160.2	109.4
17.5°	2430.4	2430.4	2391.4	2285.9	2078.8	1820.9	1731.0	1148.8	511.9	183.6	113.3
20°	2860.2	2860.2	2789.9	2715.7	2532.0	2313.2	2227.2	1633.3	793.2	234.4	113.3
22.5°	3379.9	3387.8	3309.6	3176.7	3000.9	2758.7	2684.4	2082.7	1148.8	312.6	117.2
25°	4012.9	4020.8	3907.4	3782.4	3512.8	3251.0	3137.7	2598.4	1582.5	437.6	117.2
27.5°	4712.4	4767.1	4599.1	4384.1	4098.9	3770.7	3684.7	3063.4	2012.3	617.4	125.0
30°	5583.7	5583.7	5361.0	5060.1	4751.4	4345.1	4235.7	3551.9	2469.5	855.7	132.9
32.5°	6334.0	6275.4	5990.1	5673.6	5345.4	4966.4	4849.1	4063.7	2938.4	1152.7	148.5
35°	6908.4	6857.6	6505.9	6165.9	5880.7	5532.9	5392.3	4618.6	3434.6	1488.7	171.9
37.5°	7400.7	7381.2	6904.4	6478.5	6291.0	5986.2	5861.2	5142.2	3923.1	1852.1	199.3
40°	7939.9	7877.4	7369.4	6841.9	6560.6	6314.4	6201.1	5564.2	4392.0	2278.0	238.4
42.5°	8401.0	8326.8	7869.6	7353.8	6873.2	6541.1	6431.6	5919.8	4849.1	2703.9	289.2
45°	8912.9	8873.8	8412.7	8022.0	7381.2	6849.7	6705.2	6205.0	5267.2	3211.9	355.6
47.5°	9682.6	9612.3	9182.5	8862.1	8119.7	7318.6	7111.5	6498.1	5669.7	3712.1	457.2
50°	10577.4	10530.6	10276.6	10022.6	9284.1	8119.7	7873.5	6920.1	6119.1	4306.0	590.0
52.5°	11308.1	11300.3	11331.6	11335.5	10776.7	9467.7	9100.4	7600.0	6634.8	4892.1	777.6
55°	11292.5	11327.7	11671.5	12066.2	12109.2	11308.1	10952.6	8744.9	7306.9	5615.0	1039.4
57.5°	10870.5	10843.1	11206.5	11800.5	12218.6	12304.5	12245.9	10522.7	8318.9	6486.4	1441.8
58°	10733.7	10710.3	11054.2	11659.8	12140.4	12371.0	12312.3	10925.2	8545.6	6611.4	1551.3
60°	10237.5	10241.4	10444.6	10995.5	11476.2	12023.2	12077.9	12074.0	9674.8	7447.6	2102.2
62.5°	9581.0	9549.8	9737.3	10186.7	10608.7	10976.0	11069.8	12152.1	11327.7	8510.4	3153.3
65°	8674.5	8627.6	8826.9	9334.9	9788.1	10026.5	10030.4	11104.9	12105.3	9651.4	4653.8
67.5°	6990.4	6951.3	7349.9	8002.4	8701.9	9014.5	9155.1	9635.7	11448.8	10425.1	5513.4
70°	4282.6	4364.6	4919.5	5943.2	7138.9	7713.3	7924.3	8072.8	9749.1	10307.8	4610.8
72.5°	1977.2	1879.5	2352.3	3067.3	4431.0	5708.8	5927.6	6509.8	7728.9	8948.0	3438.5
75°	922.2	887.0	996.4	1340.3	2008.4	3083.0	3481.5	5196.9	5927.6	6224.6	2481.2
77.5°	472.8	476.7	566.6	609.6	828.4	1426.2	1637.2	3419.0	4345.1	3473.7	1664.6
80°	207.1	214.9	218.8	238.4	336.0	550.9	621.3	1586.4	2969.7	1770.1	910.4
82.5°	132.9	136.8	136.8	136.8	160.2	218.8	250.1	636.9	1480.9	879.2	281.3
85°	70.3	70.3	78.1	97.7	113.3	132.9	140.7	203.2	488.4	261.8	66.4
87.5°	39.1	43.0	46.9	58.6	74.2	89.9	97.7	140.7	187.6	179.7	15.6
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: P1047602

CATALOG NUMBER: GALN-SA4B-950-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2.5°	101.6	97.7	93.8	89.9	86.0	82.1	82.1	82.1	82.1	82.1	82.1
5°	97.7	93.8	89.9	82.1	74.2	70.3	66.4	62.5	62.5	62.5	62.5
7.5°	97.7	93.8	82.1	74.2	66.4	58.6	50.8	50.8	50.8	50.8	50.8
10°	97.7	89.9	78.1	66.4	54.7	46.9	43.0	39.1	39.1	39.1	39.1
12.5°	97.7	86.0	74.2	58.6	46.9	39.1	35.2	31.3	31.3	31.3	31.3
15°	97.7	86.0	70.3	54.7	43.0	31.3	27.4	23.4	23.4	23.4	23.4
17.5°	93.8	82.1	66.4	46.9	35.2	23.4	19.5	15.6	15.6	19.5	19.5
20°	89.9	78.1	58.6	39.1	27.4	19.5	11.7	11.7	11.7	11.7	11.7
22.5°	89.9	78.1	54.7	35.2	23.4	11.7	7.8	7.8	7.8	7.8	11.7
25°	89.9	74.2	46.9	27.4	15.6	7.8	3.9	3.9	3.9	3.9	3.9
27.5°	89.9	74.2	43.0	23.4	11.7	7.8	3.9	0.0	0.0	0.0	0.0
30°	86.0	70.3	39.1	19.5	7.8	3.9	0.0	0.0	0.0	0.0	0.0
32.5°	86.0	66.4	31.3	15.6	7.8	3.9	0.0	0.0	0.0	0.0	0.0
35°	89.9	62.5	27.4	11.7	3.9	0.0	0.0	0.0	0.0	0.0	3.9
37.5°	93.8	58.6	23.4	7.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	97.7	54.7	23.4	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	105.5	54.7	19.5	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	113.3	54.7	15.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	128.9	58.6	15.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	140.7	62.5	11.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	156.3	58.6	11.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	175.8	58.6	11.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	191.5	54.7	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	199.3	50.8	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	238.4	46.9	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	371.2	39.1	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	754.1	35.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1406.7	31.3	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1574.7	35.2	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	992.5	27.4	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	523.6	27.4	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	261.8	27.4	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	121.1	19.5	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	50.8	11.7	7.8	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.4	11.7	7.8	7.8	3.9	3.9	0.0	0.0	0.0	0.0	0.0
87.5°	11.7	11.7	11.7	7.8	7.8	3.9	3.9	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: SP1-2407-184-17

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

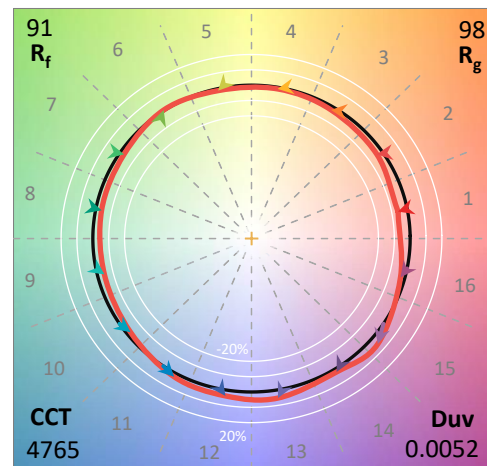
Test Information

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

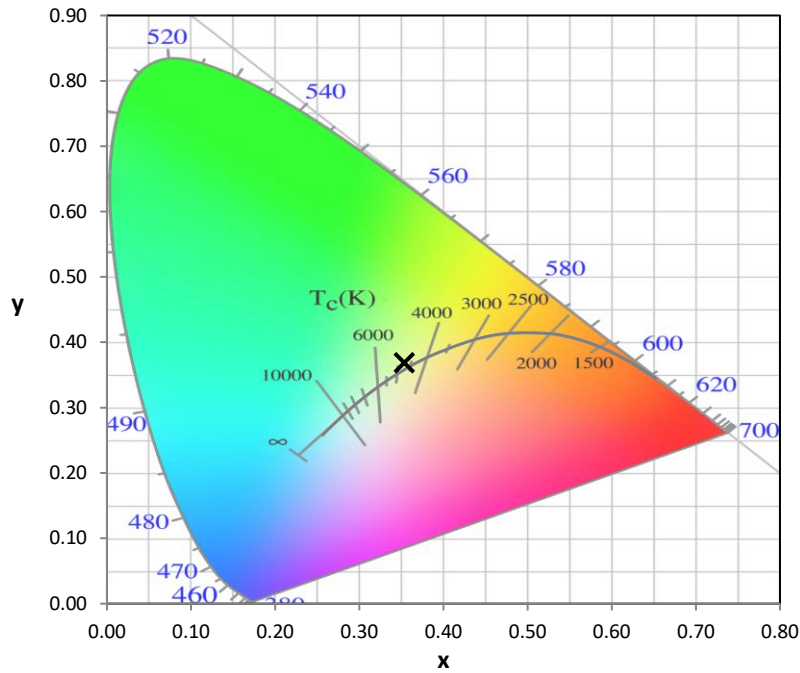
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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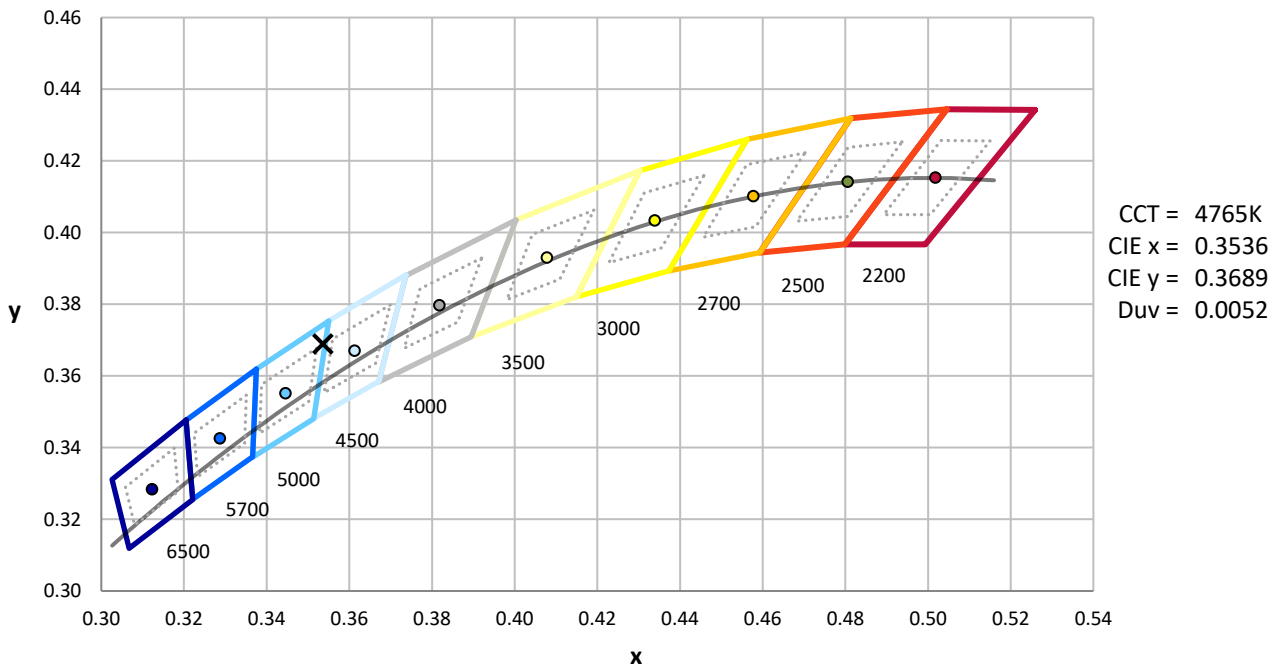
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



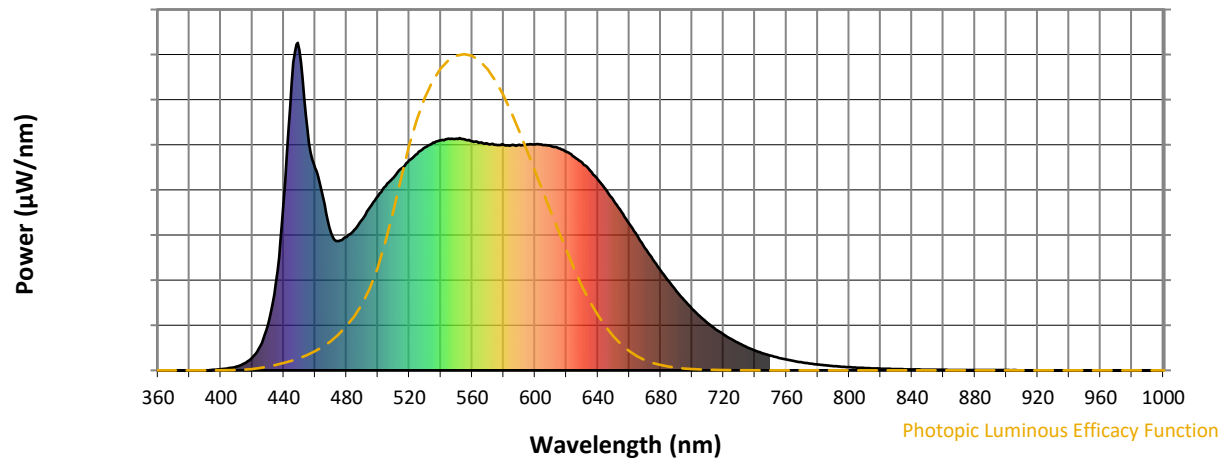
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

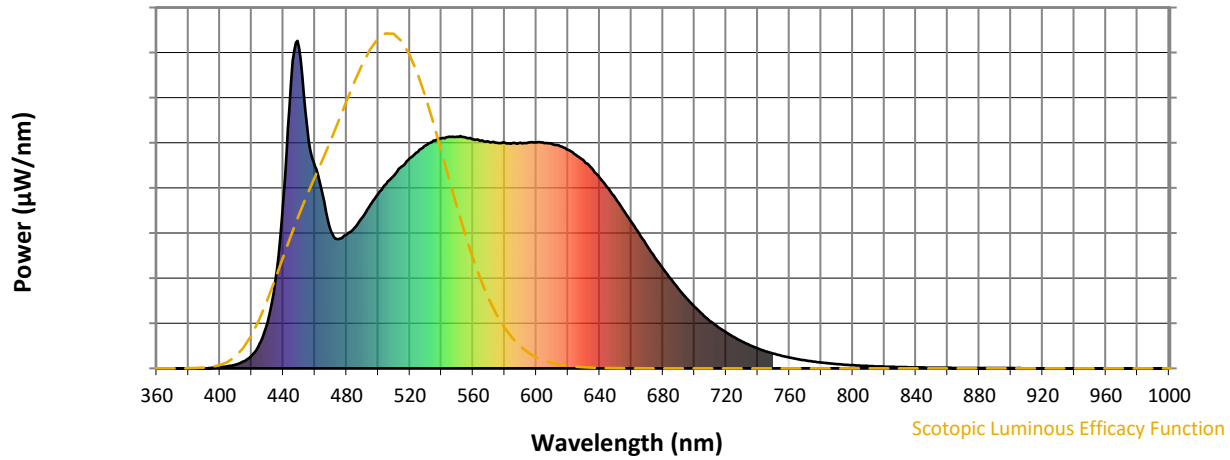


Photopic Lumens: NR

λ (nm)	Power W [^] /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			

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Scotopic Flux vs. Wavelength



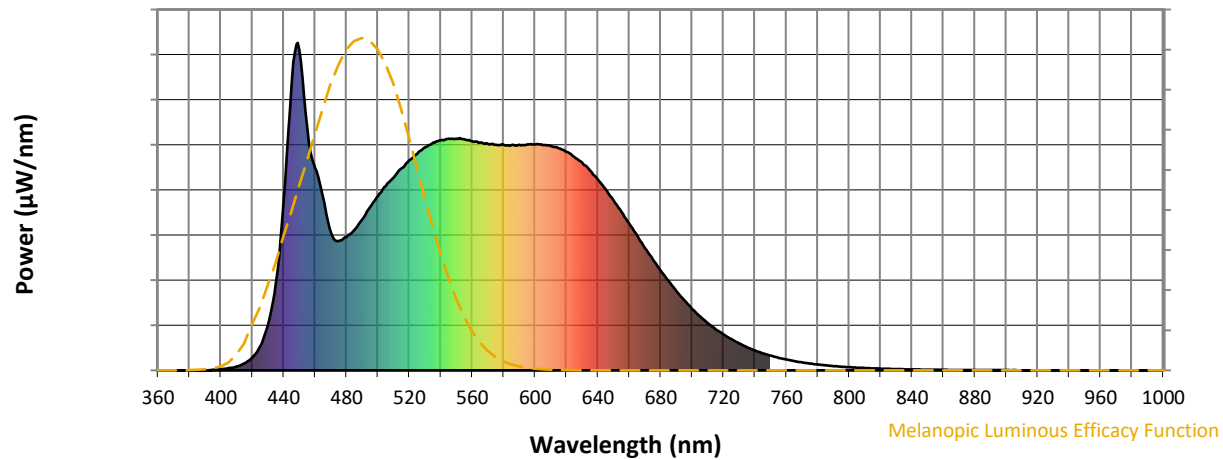
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

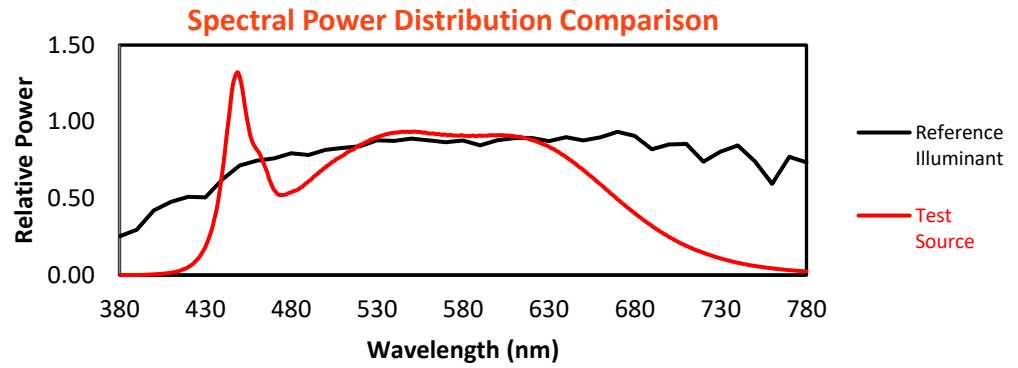
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668	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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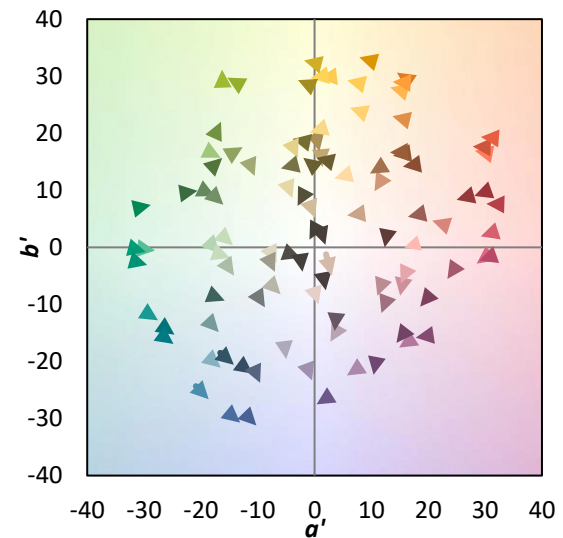
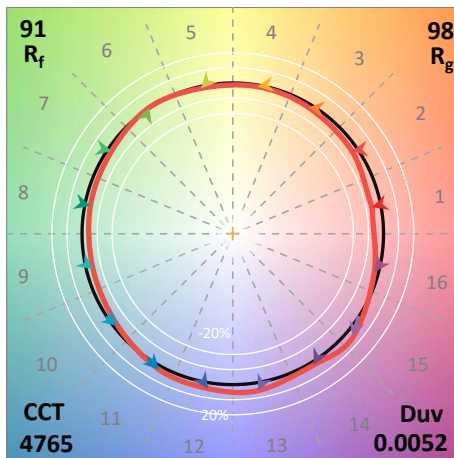
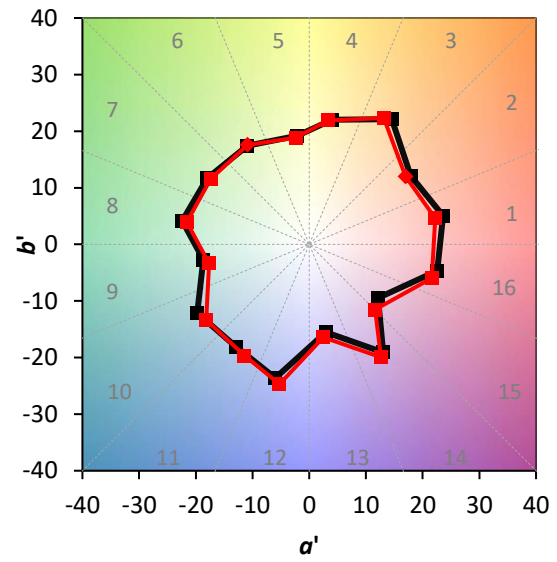
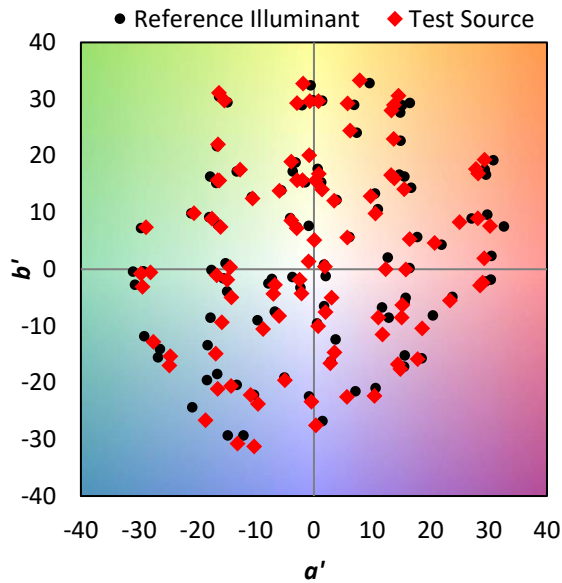
TM-30-18

Summary

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

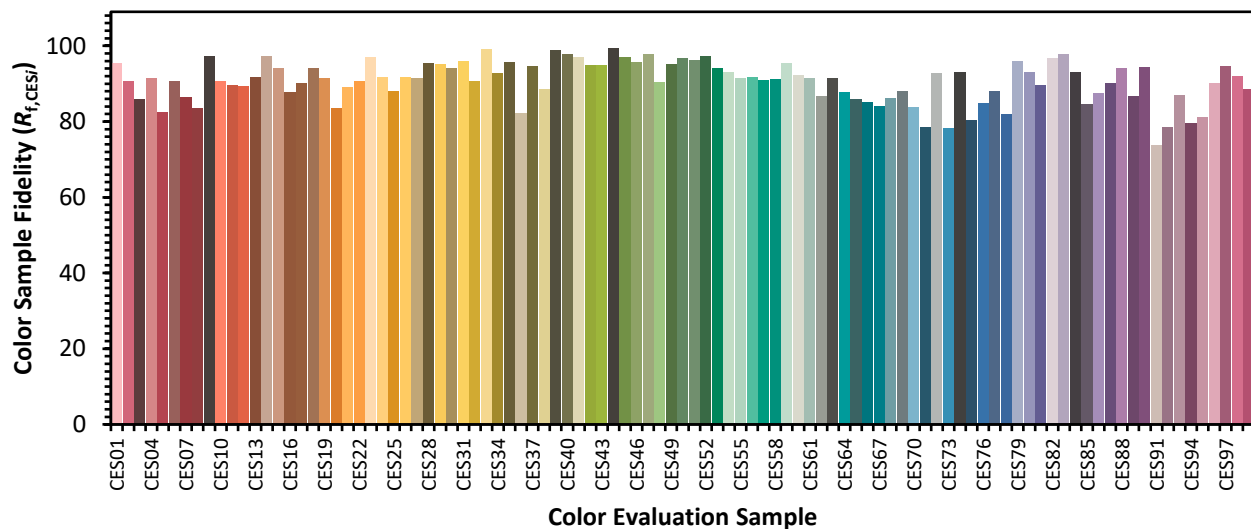


Color Vector Graphics

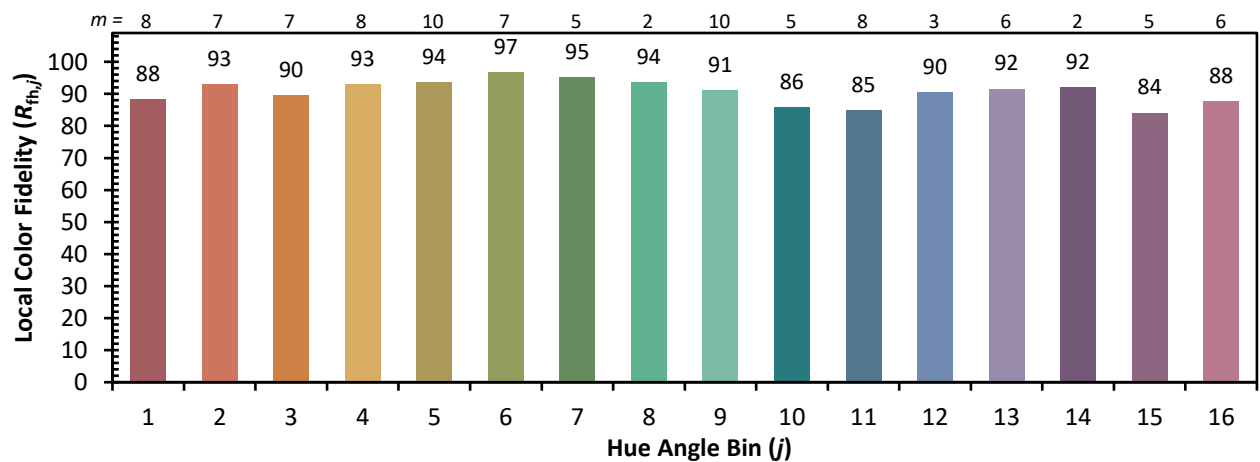
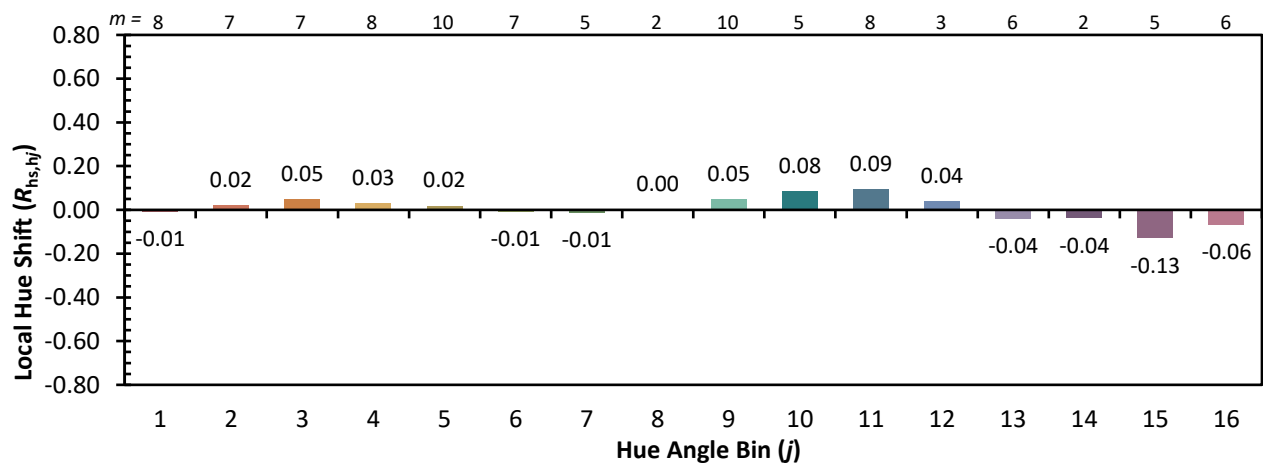
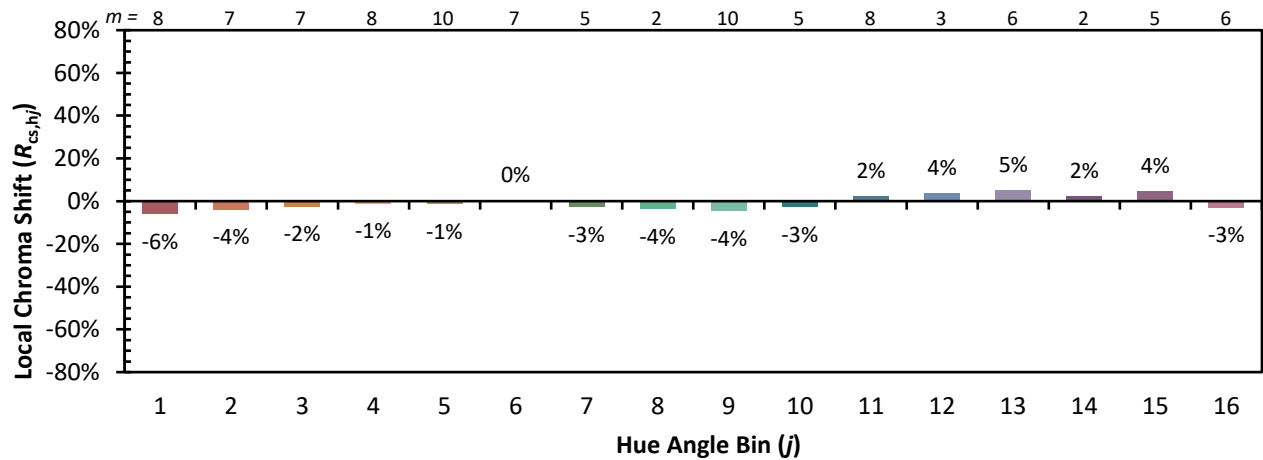


Individual Sample Fidelity Index ($R_{f,i}$)

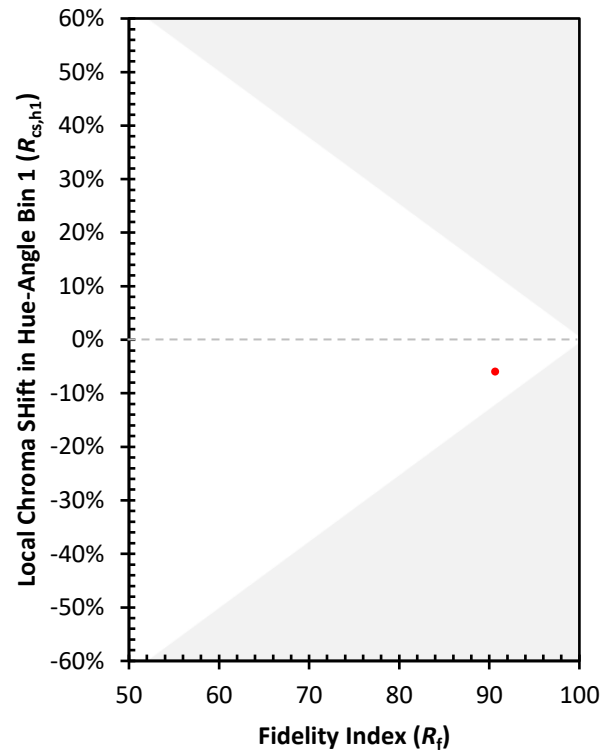
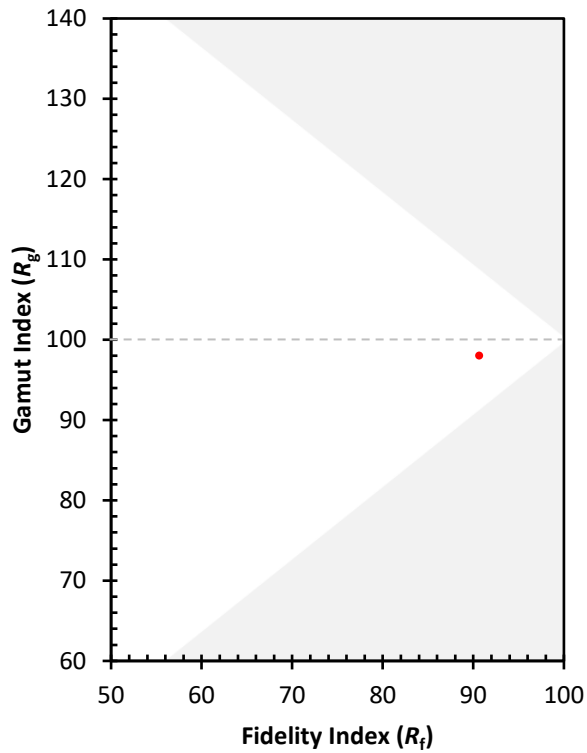
CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 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)