

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: P1048838

Luminaire Tested: **GALN-SA7B-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048838
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7B-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 7xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (98) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25032.3 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 249.5
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

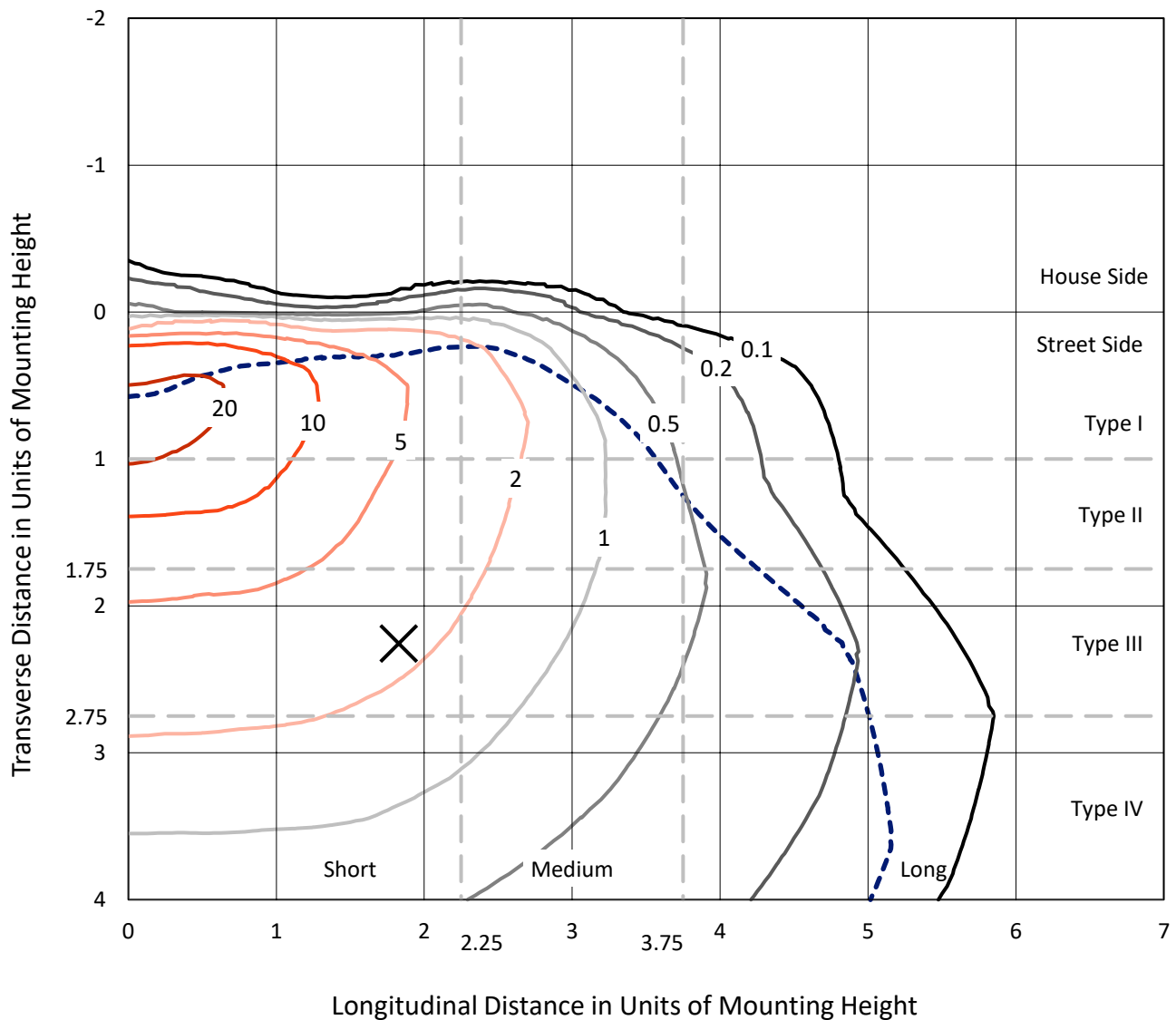


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CATALOG NUMBER: GALN-SA7B-950-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

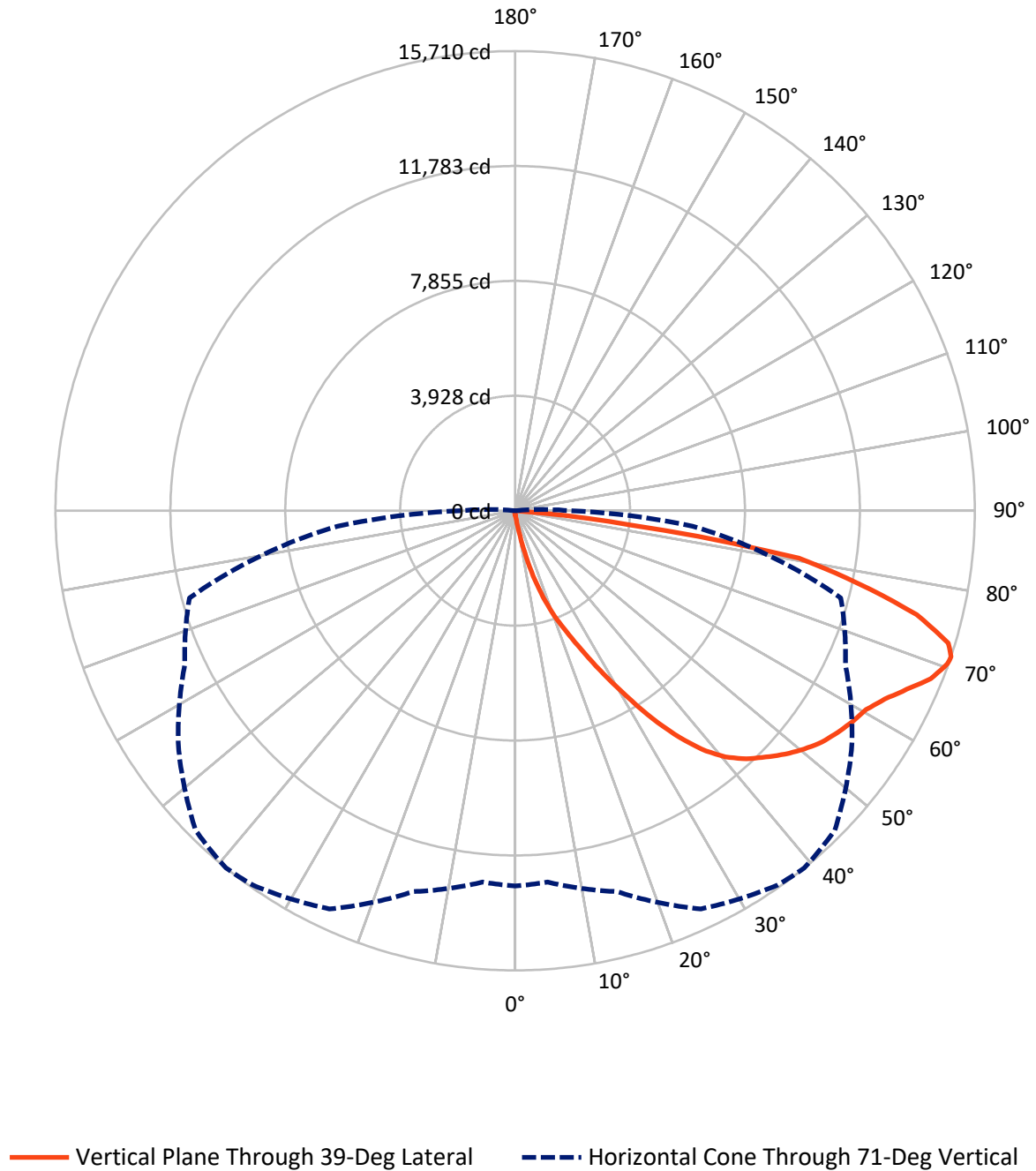


Based on 15 foot mounting height. Maximum calculated value = 25.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GALN-SA7B-950-U-T4BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	89.0	0.0	89.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	24943.3	0.0	24943.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	25032.3	0.0	25032.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	0.1
10°-20°	267.5	1.1
20°-30°	952.8	3.8
30°-40°	2296.3	9.2
40°-50°	3843.1	15.4
50°-60°	4936.0	19.7
60°-70°	6246.5	25.0
70°-80°	5569.0	22.2
80°-90°	900.2	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°	25032.3	100.0
0°-180°	25032.3	100.0



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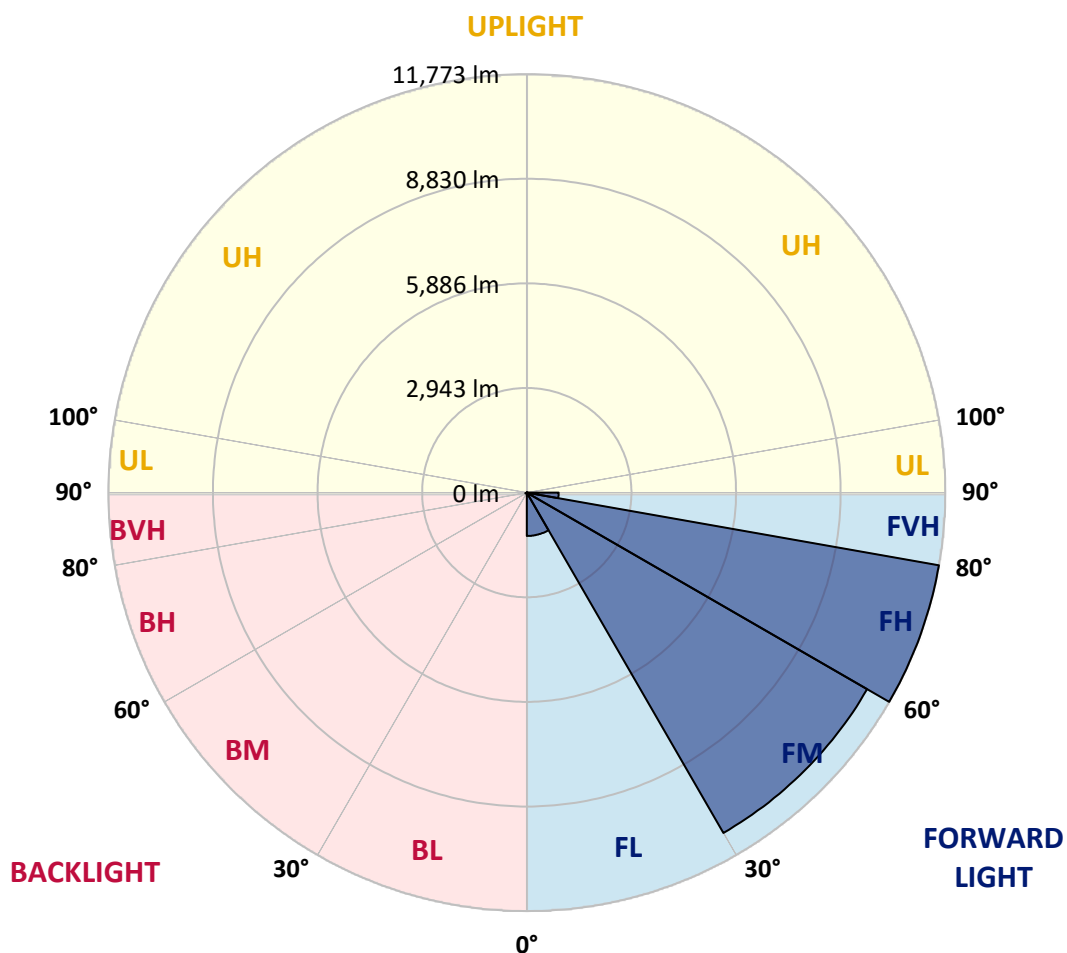
CATALOG NUMBER: GALN-SA7B-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1219.7	4.9			
FM	(30°-60°)	11054.7	44.2			
FH	(60°-80°)	11772.7	47.0			G4/12000
FVH	(80°-90°)	896.1	3.6			G5
BL	(0°-30°)	21.5	0.1	B0/110		
BM	(30°-60°)	20.6	0.1	B0/220		
BH	(60°-80°)	42.8	0.2	B0/110		G0/110
BVH	(80°-90°)	4.1	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-G5

Type IV Short



REPORT NUMBER: P1048838

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3
2.5°	157.6	157.6	157.6	152.5	152.5	150.8	149.1	149.1	145.7	144.0	140.6
5°	238.9	233.8	222.0	215.2	201.7	193.2	184.7	172.8	161.0	152.5	142.3
7.5°	540.6	552.4	513.4	440.6	366.0	333.8	279.6	225.4	186.4	161.0	144.0
10°	1377.7	1370.9	1238.7	1093.0	843.9	743.9	582.9	367.7	240.6	176.2	145.7
12.5°	2343.6	2336.8	2180.9	1982.6	1653.9	1445.5	1140.4	686.3	345.7	200.0	145.7
15°	3155.3	3128.1	3079.0	2882.4	2497.8	2323.2	1919.9	1213.3	559.2	240.6	149.1
17.5°	3692.4	3668.7	3623.0	3551.8	3307.8	3101.0	2777.4	1906.4	904.9	311.8	155.9
20°	4185.5	4168.6	4131.3	4117.8	3960.2	3850.0	3582.3	2702.8	1409.9	423.6	166.1
22.5°	4863.4	4827.8	4843.0	4761.7	4607.5	4475.3	4310.9	3536.5	2026.7	610.0	184.7
25°	5693.7	5676.7	5634.4	5576.8	5363.3	5248.0	4995.5	4322.8	2716.4	854.1	205.0
27.5°	6696.9	6678.2	6668.1	6535.9	6290.2	6164.8	5812.3	5065.0	3492.5	1196.4	232.2
30°	7852.6	7861.0	7794.9	7625.5	7339.1	7162.9	6800.2	5842.8	4287.2	1598.0	261.0
32.5°	9048.9	9032.0	8930.3	8730.3	8474.5	8310.1	7849.2	6695.2	5120.9	2128.4	294.9
35°	10338.5	10306.3	10038.5	9809.8	9591.2	9384.4	8964.2	7684.8	5954.7	2723.1	340.6
37.5°	11639.9	11489.1	10951.9	10662.1	10511.3	10341.8	9950.4	8740.5	6783.3	3387.4	396.5
40°	12622.7	12505.8	11868.6	11334.9	11214.5	11070.5	10779.0	9652.2	7664.5	4100.8	464.3
42.5°	13166.7	13102.3	12529.5	12002.5	11719.5	11592.4	11343.3	10448.6	8535.5	4888.8	562.6
45°	13398.8	13298.8	12915.9	12670.2	12219.4	12009.3	11712.7	11050.2	9445.4	5783.5	699.8
47.5°	13327.6	13270.0	12995.5	13085.3	12758.3	12431.2	11995.7	11511.1	10223.2	6810.4	887.9
50°	12880.3	12831.1	12746.4	13232.8	13192.1	12805.7	12361.8	11875.4	10858.7	7869.5	1179.4
52.5°	12029.6	12009.3	12226.2	13117.5	13437.8	13136.2	12714.2	12197.4	11451.8	8976.0	1596.3
55°	10933.2	11016.3	11636.5	12937.9	13563.2	13380.2	13026.0	12499.0	11927.9	9965.7	2211.4
57.5°	10482.5	10504.5	11278.9	12810.8	13619.1	13595.4	13329.3	12787.1	12365.1	10757.0	3150.2
60°	11009.5	10975.6	11384.0	12907.4	13731.0	13788.6	13598.8	13054.8	12744.7	11436.5	4400.8
62.5°	11961.8	11943.2	12073.7	13319.2	14058.0	14174.9	13973.3	13248.0	13080.2	11883.9	5827.6
65°	12812.5	12773.5	13015.8	14049.5	14632.5	14715.5	14539.3	13578.4	13227.7	12209.2	7168.0
67.5°	13180.2	13171.7	13561.5	14744.3	15235.7	15325.5	15171.3	14034.3	13193.8	12312.6	7759.4
70°	13012.5	12980.3	13603.9	15039.1	15576.3	15678.0	15528.9	14203.7	12826.1	11985.6	6883.3
71°	12827.8	12741.3	13476.8	15018.8	15623.8	15710.2	15449.2	14049.5	12456.6	11521.3	6088.5
72.5°	12255.0	12270.2	13127.7	14807.0	15510.2	15484.8	14998.5	13497.1	12011.0	10467.2	4890.5
75°	10845.1	10934.9	11997.4	13917.4	14496.9	14173.2	13429.3	12441.4	11116.3	7505.2	3395.9
77.5°	8862.5	8996.4	10163.9	12205.9	12041.5	12009.3	11978.8	10962.1	9492.9	4031.3	2362.2
80°	4231.3	4521.1	6130.9	8713.4	9465.8	9830.1	9601.3	8833.7	7340.8	1919.9	1411.6
82.5°	276.2	272.8	386.4	732.0	3085.8	3989.0	6337.6	6313.9	5117.5	935.4	576.1
85°	130.5	133.9	147.4	167.8	194.9	213.5	294.9	1728.4	2448.6	445.7	125.4
87.5°	76.3	77.9	91.5	116.9	152.5	169.5	201.7	259.3	318.6	245.7	27.1
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: P1048838

CATALOG NUMBER: GALN-SA7B-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3
2.5°	139.0	137.3	132.2	127.1	122.0	118.6	116.9	118.6	118.6	120.3	120.3
5°	139.0	133.9	125.4	115.2	108.5	101.7	98.3	96.6	98.3	98.3	98.3
7.5°	137.3	128.8	116.9	105.1	96.6	88.1	84.7	83.0	83.0	84.7	84.7
10°	133.9	125.4	110.1	96.6	86.4	76.3	71.2	66.1	66.1	66.1	67.8
12.5°	132.2	120.3	101.7	88.1	74.6	62.7	52.5	47.4	49.1	49.1	49.1
15°	128.8	115.2	96.6	79.6	62.7	47.4	39.0	33.9	35.6	37.3	35.6
17.5°	128.8	113.5	89.8	69.5	49.1	35.6	28.8	25.4	25.4	27.1	27.1
20°	128.8	110.1	84.7	59.3	37.3	27.1	20.3	18.6	18.6	22.0	23.7
22.5°	132.2	110.1	77.9	49.1	30.5	20.3	15.3	13.6	15.3	18.6	20.3
25°	137.3	108.5	71.2	44.1	25.4	15.3	11.9	8.5	10.2	13.6	15.3
27.5°	142.3	106.8	64.4	39.0	20.3	11.9	8.5	6.8	5.1	6.8	6.8
30°	147.4	106.8	57.6	32.2	16.9	8.5	5.1	3.4	1.7	0.0	0.0
32.5°	150.8	103.4	52.5	25.4	13.6	6.8	3.4	1.7	0.0	0.0	0.0
35°	154.2	100.0	45.8	20.3	10.2	5.1	1.7	0.0	0.0	0.0	0.0
37.5°	157.6	94.9	39.0	16.9	8.5	3.4	0.0	0.0	0.0	0.0	0.0
40°	161.0	88.1	32.2	15.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	164.4	83.0	27.1	11.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	172.8	79.6	22.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	188.1	76.3	20.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	210.1	72.9	18.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	240.6	71.2	16.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	294.9	69.5	15.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	388.1	67.8	15.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	594.8	64.4	15.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1062.5	62.7	13.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1852.1	64.4	13.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2655.4	67.8	11.9	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	2272.4	59.3	11.9	6.8	3.4	1.7	0.0	0.0	0.0	0.0	0.0
71°	1852.1	52.5	11.9	6.8	3.4	1.7	1.7	0.0	0.0	0.0	0.0
72.5°	1191.3	40.7	10.2	6.8	3.4	3.4	1.7	0.0	0.0	0.0	0.0
75°	503.3	33.9	10.2	6.8	5.1	3.4	3.4	1.7	0.0	0.0	0.0
77.5°	215.2	25.4	10.2	8.5	6.8	5.1	5.1	3.4	1.7	0.0	0.0
80°	81.3	20.3	11.9	10.2	8.5	8.5	6.8	3.4	1.7	0.0	0.0
82.5°	37.3	16.9	11.9	10.2	10.2	8.5	6.8	5.1	3.4	0.0	0.0
85°	23.7	15.3	11.9	10.2	10.2	8.5	8.5	5.1	3.4	0.0	0.0
87.5°	18.6	15.3	11.9	11.9	10.2	10.2	6.8	5.1	1.7	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

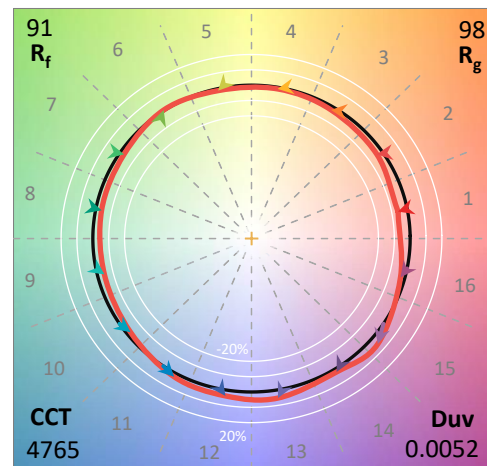
Test Information

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

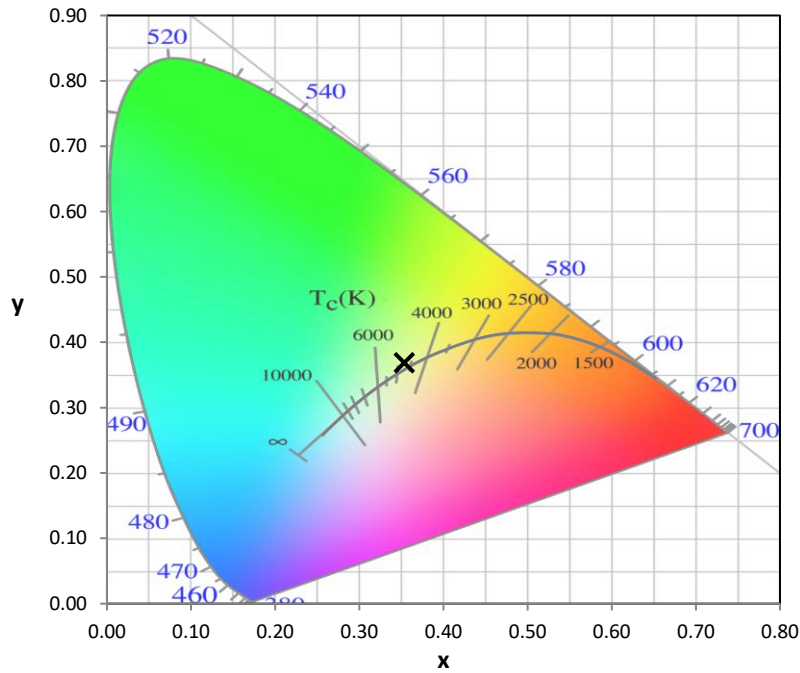
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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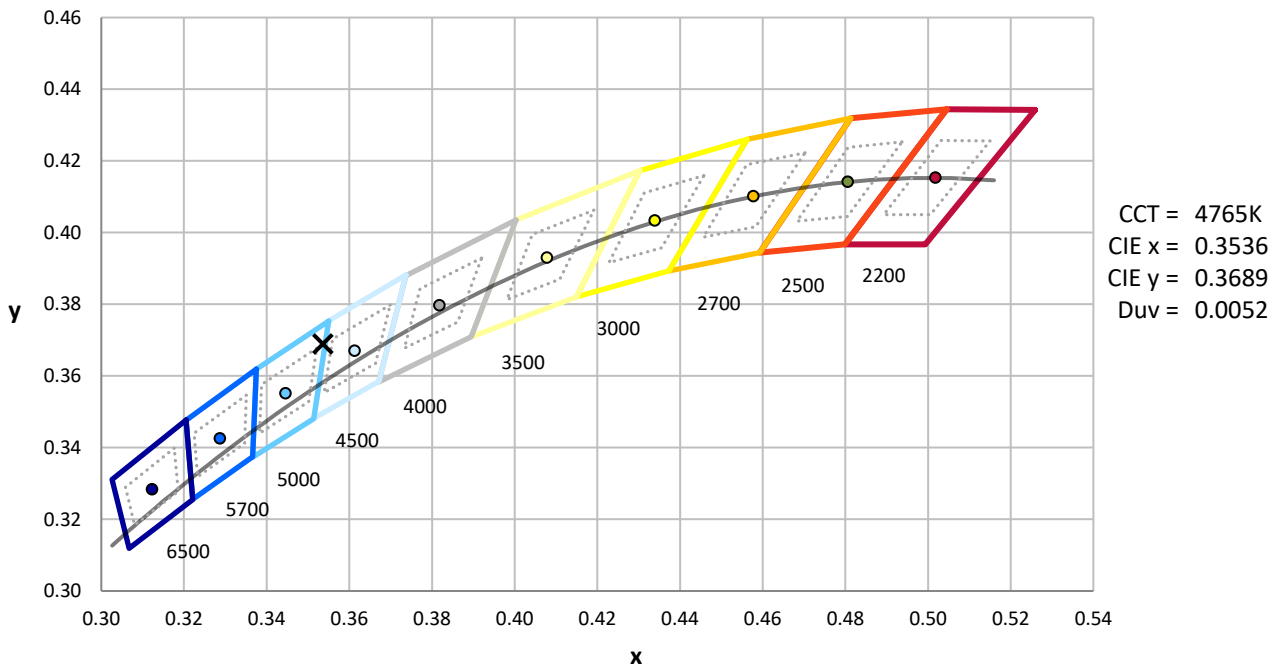
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



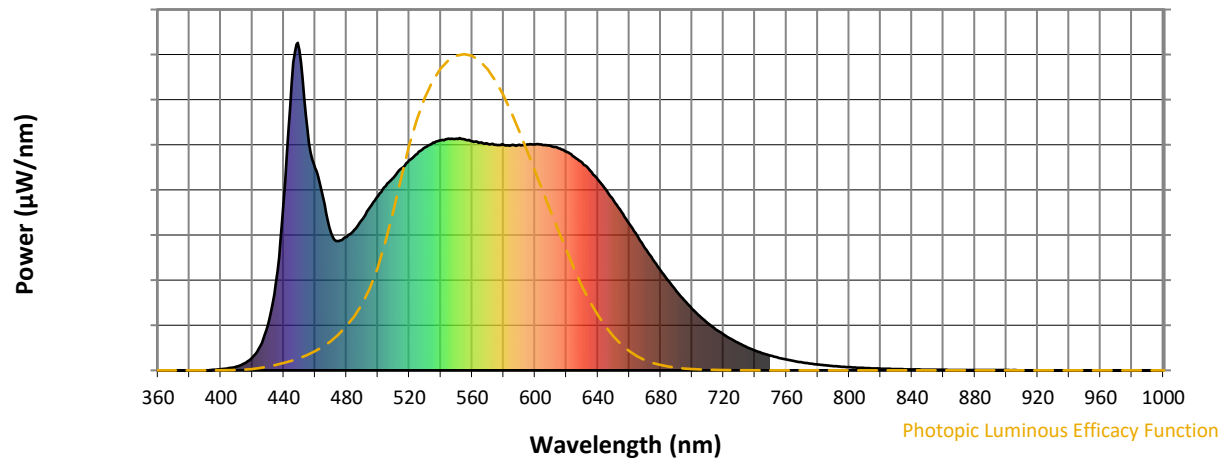
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

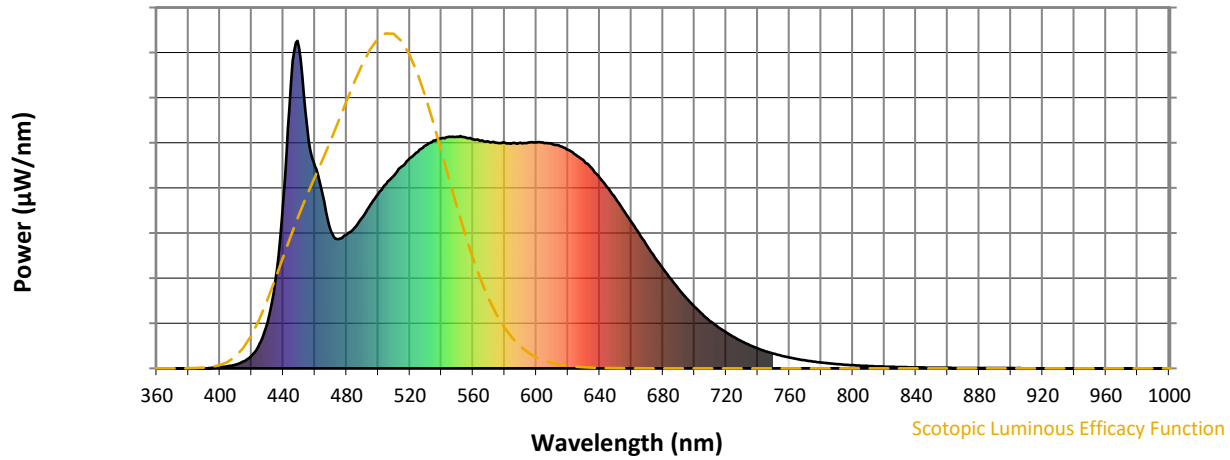


Photopic Lumens: NR

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



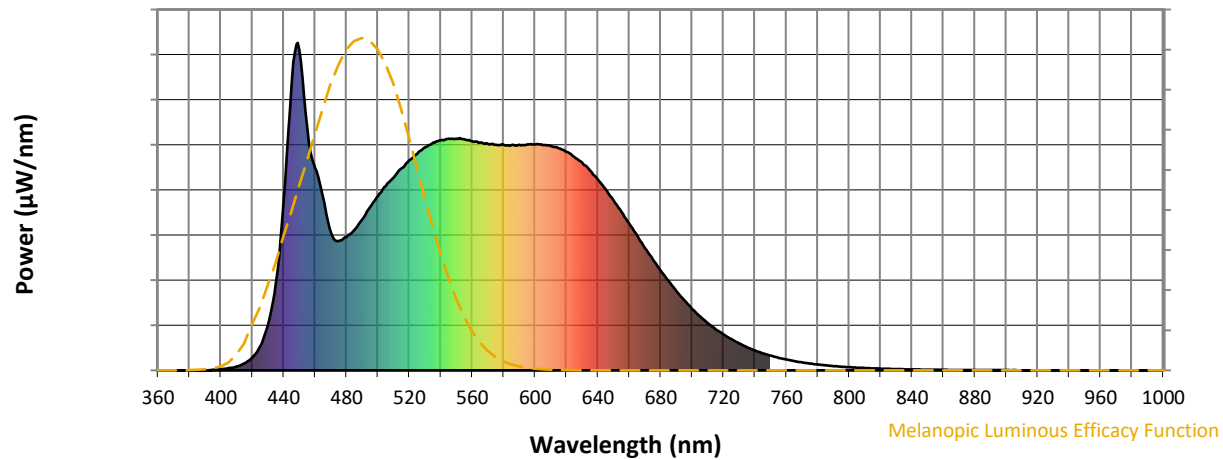
Scotopic Lumens: NR

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

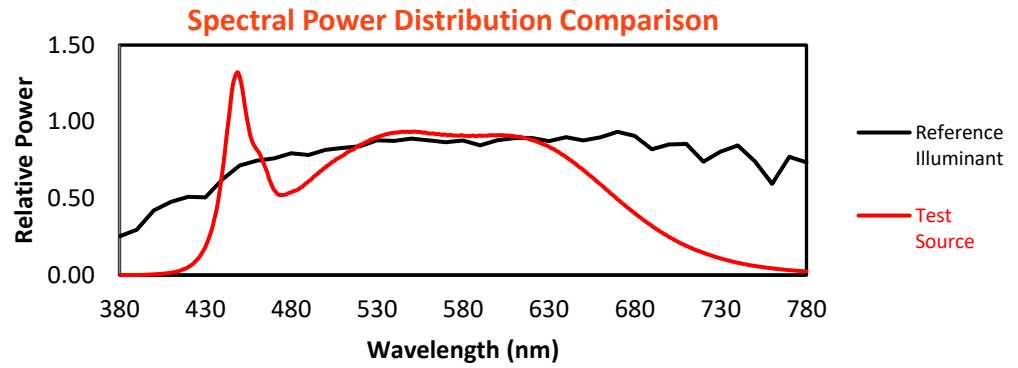
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	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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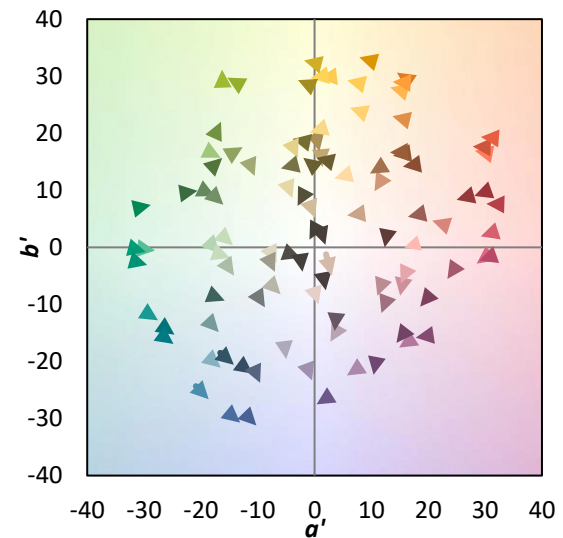
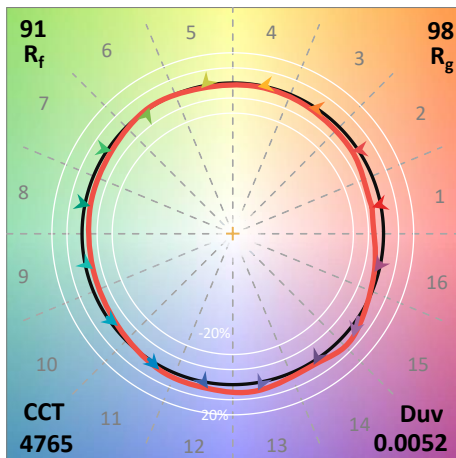
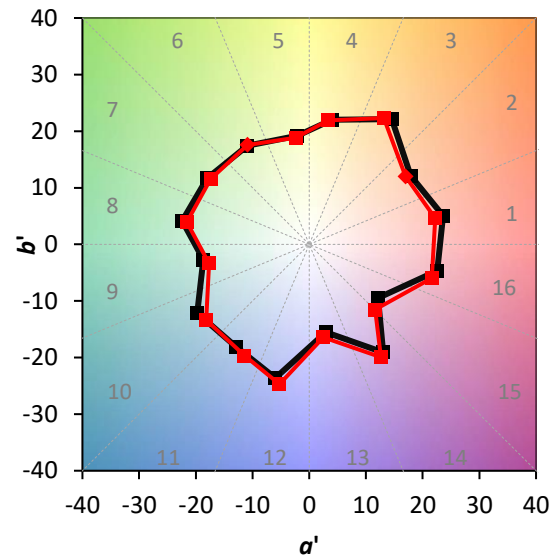
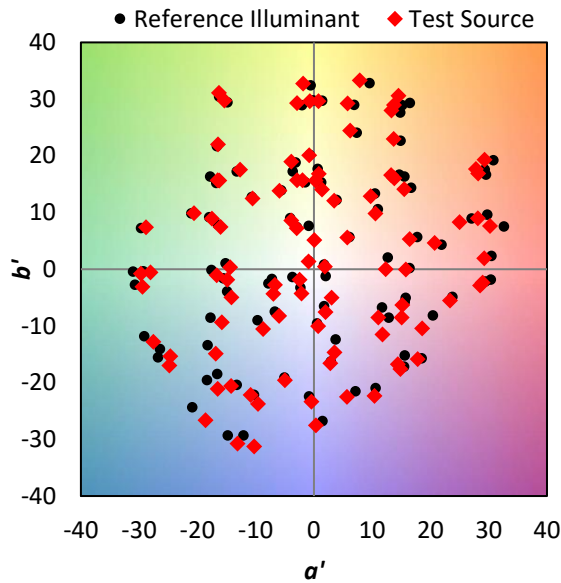
TM-30-18

Summary

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

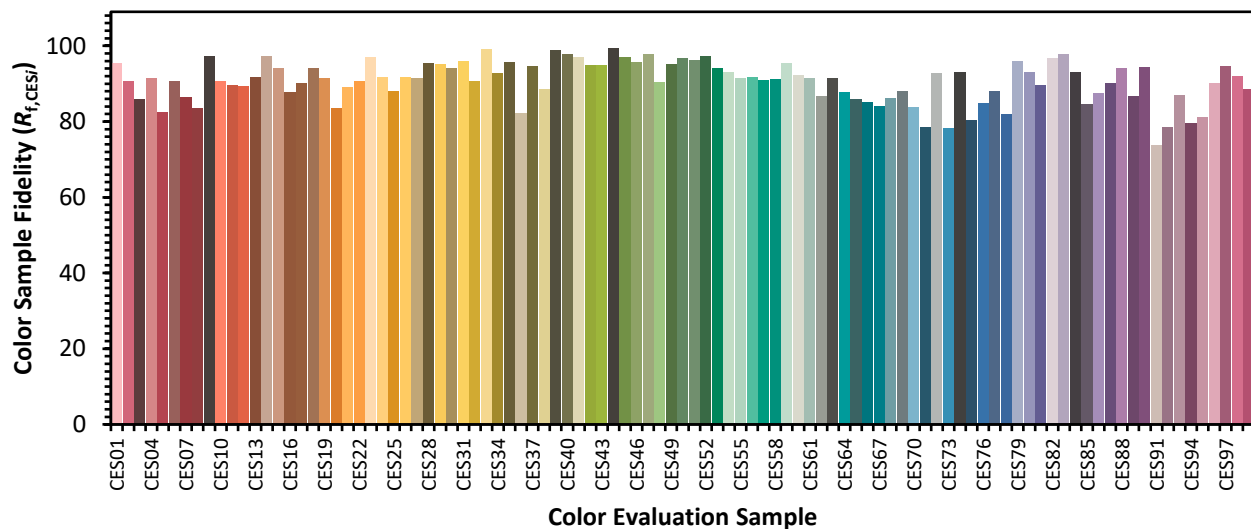


Color Vector Graphics

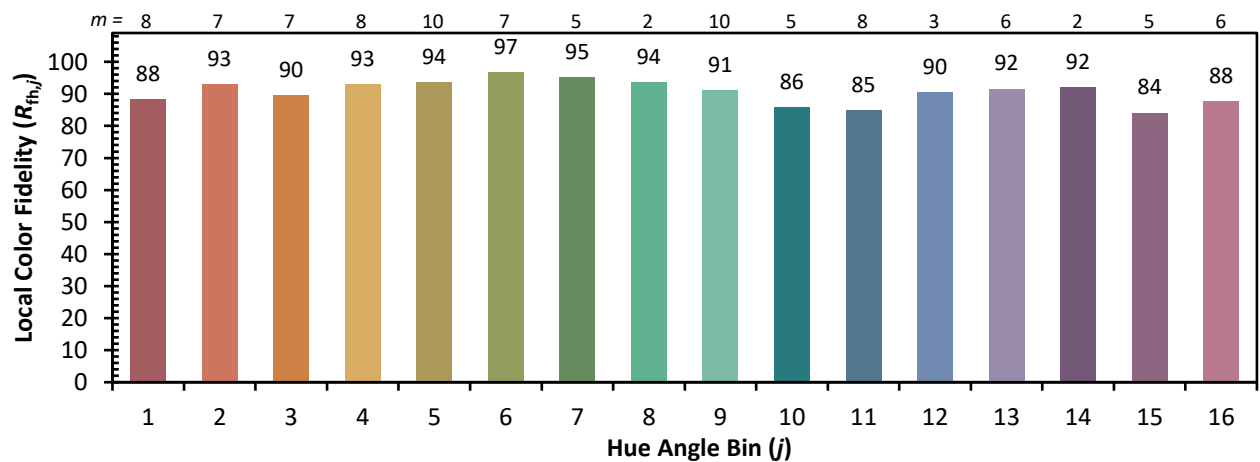
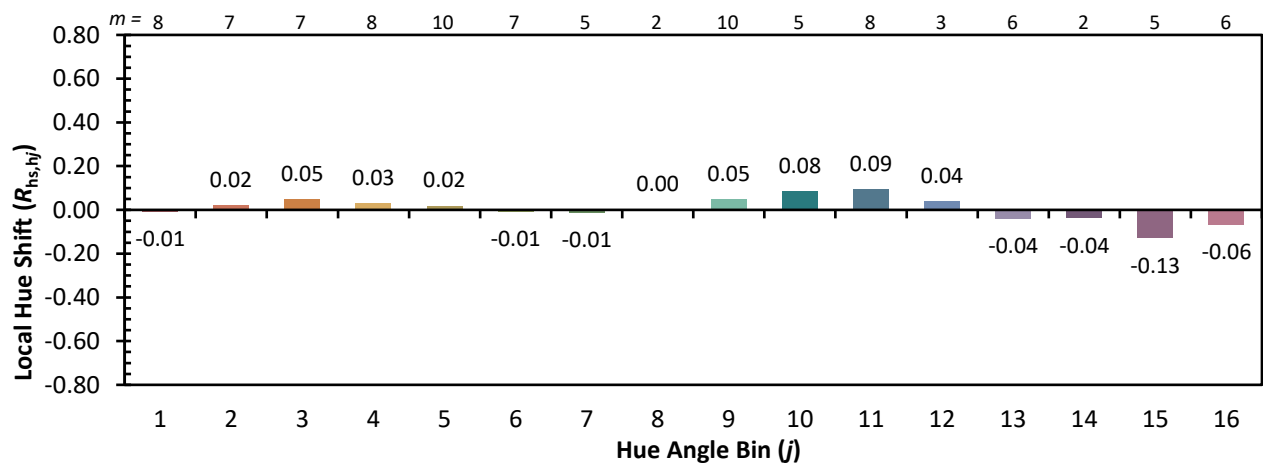
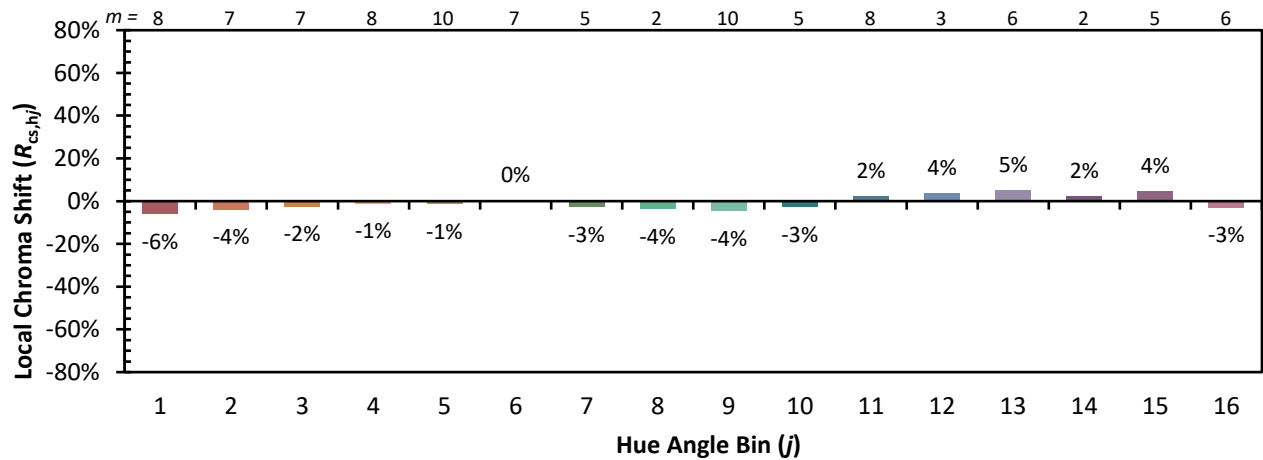


Individual Sample Fidelity Index ($R_{f,i}$)

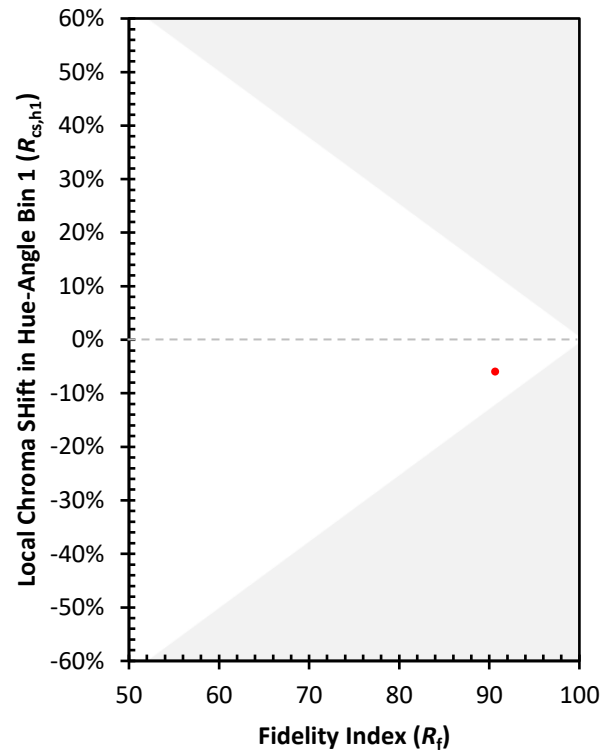
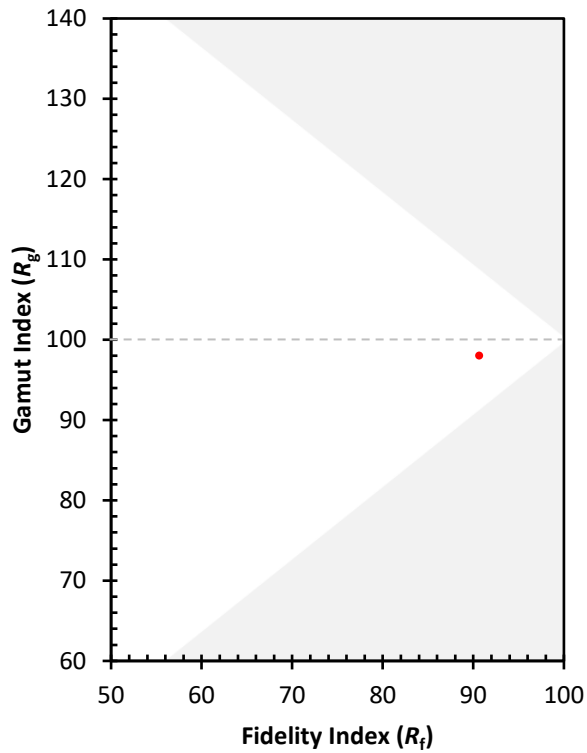
CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82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