

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: P1048839

Luminaire Tested: **GALN-SA7C-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048839
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7C-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 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: 30993.2 lumens
Efficiency: N/A
Efficacy: 93.9 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): 330
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

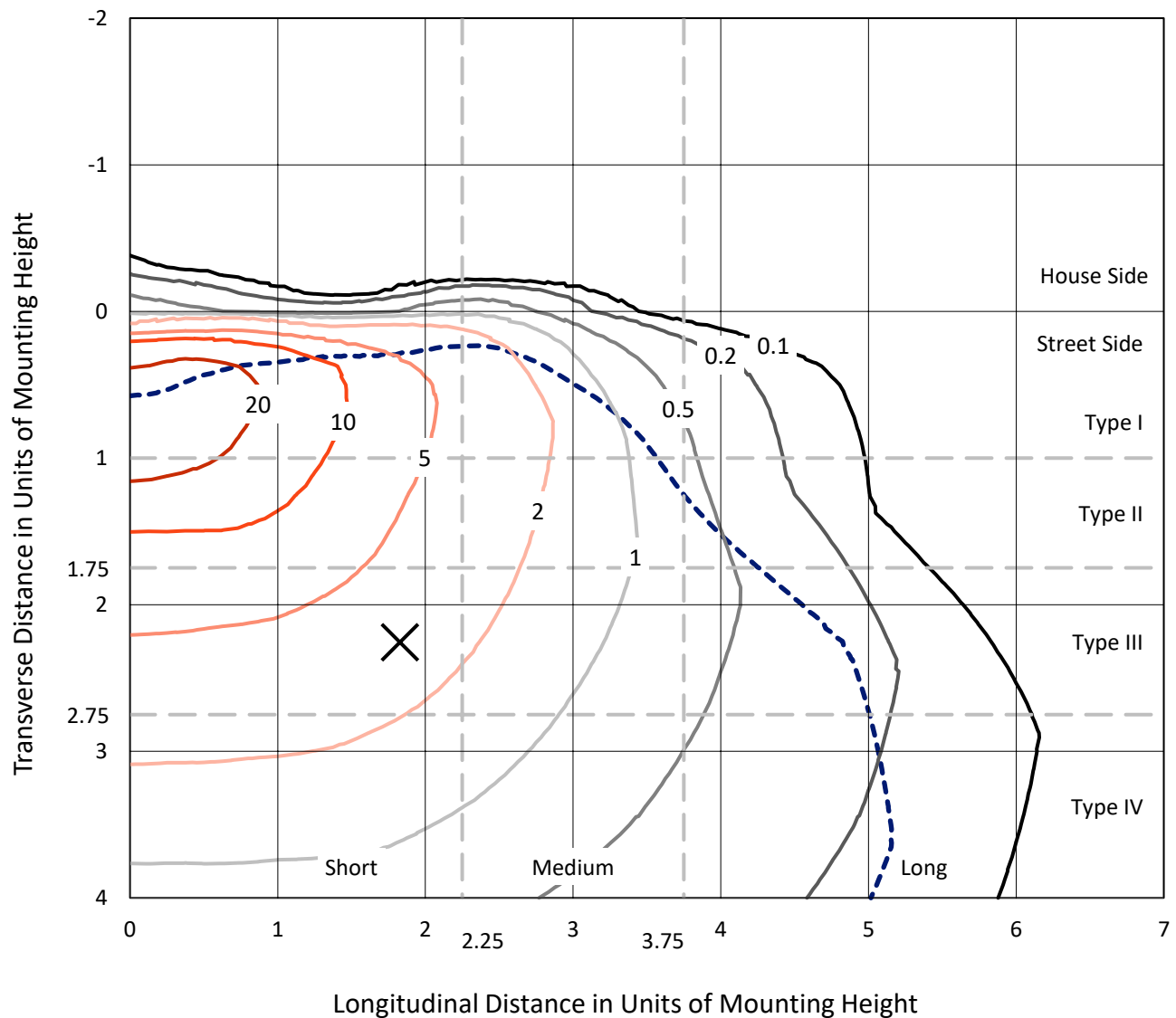


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

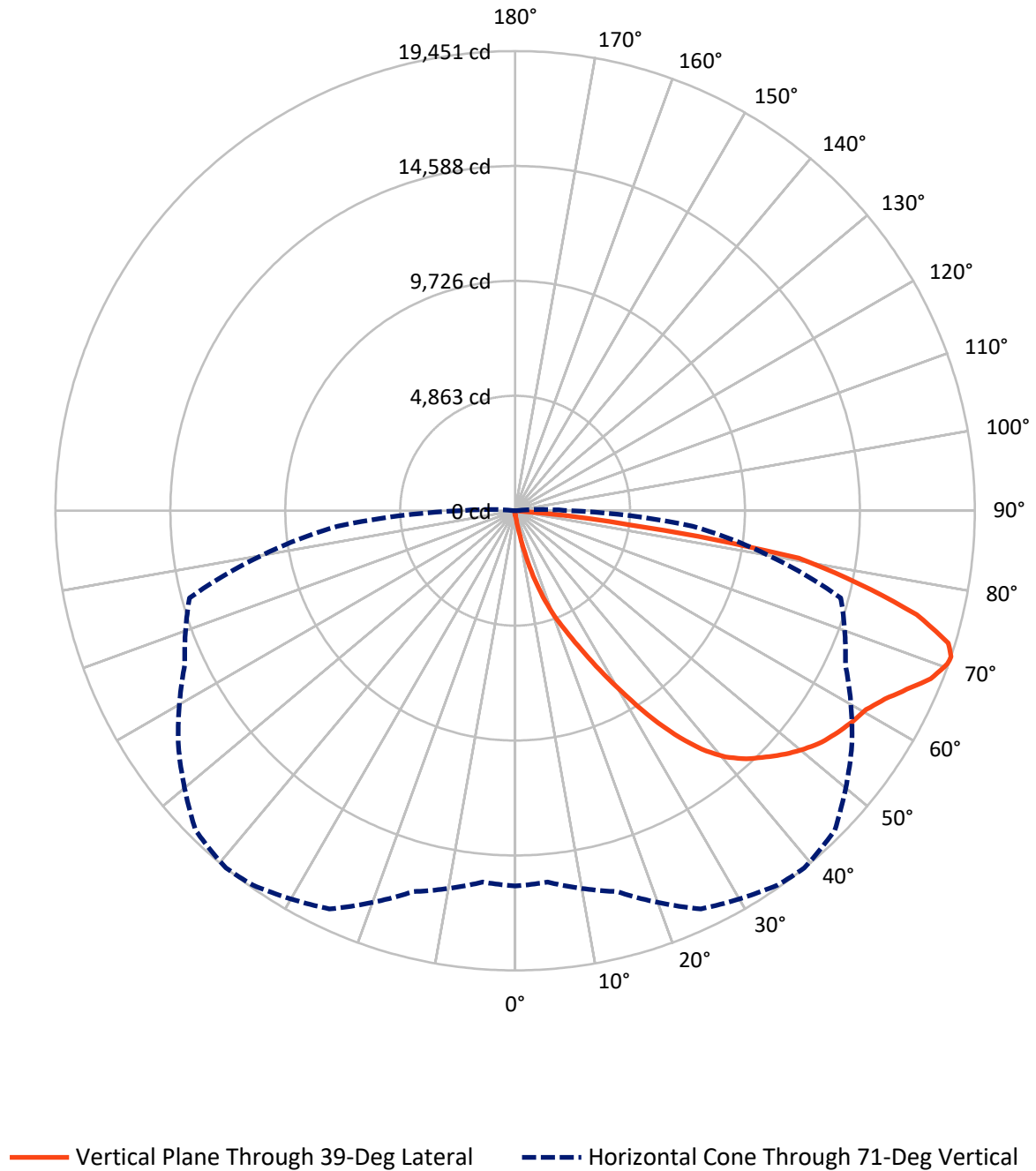


Based on 15 foot mounting height. Maximum calculated value = 31.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	110.2	0.0	110.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	30883.1	0.0	30883.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	30993.2	0.0	30993.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	0.1
10°-20°	331.3	1.1
20°-30°	1179.7	3.8
30°-40°	2843.1	9.2
40°-50°	4758.2	15.4
50°-60°	6111.4	19.7
60°-70°	7734.0	25.0
70°-80°	6895.1	22.2
80°-90°	1114.6	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°	30993.2	100.0
0°-180°	30993.2	100.0



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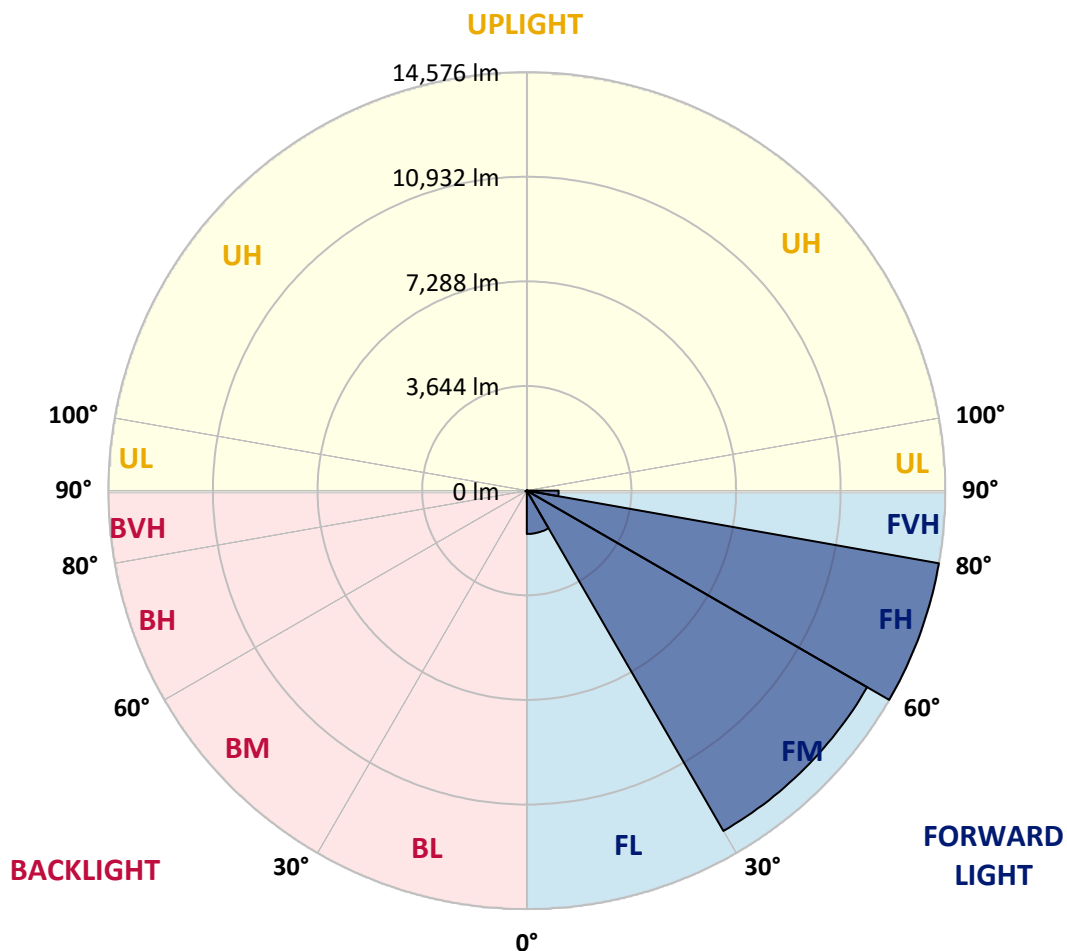
CATALOG NUMBER: GALN-SA7C-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1510.2	4.9			
FM	(30°-60°)	13687.2	44.2			
FH	(60°-80°)	14576.1	47.0			G5
FVH	(80°-90°)	1109.5	3.6			G5
BL	(0°-30°)	26.6	0.1	B0/110		
BM	(30°-60°)	25.5	0.1	B0/220		
BH	(60°-80°)	53.0	0.2	B0/110		G0/110
BVH	(80°-90°)	5.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9
2.5°	195.1	195.1	195.1	188.8	188.8	186.7	184.6	184.6	180.4	178.3	174.1
5°	295.8	289.5	274.8	266.5	249.7	239.2	228.7	214.0	199.3	188.8	176.2
7.5°	669.3	684.0	635.7	545.5	453.2	413.3	346.2	279.0	230.8	199.3	178.3
10°	1705.7	1697.3	1533.7	1353.3	1044.8	921.1	721.7	455.3	297.9	218.2	180.4
12.5°	2901.6	2893.2	2700.2	2454.7	2047.7	1789.7	1412.0	849.7	428.0	247.6	180.4
15°	3906.6	3873.0	3812.2	3568.8	3092.6	2876.5	2377.1	1502.2	692.4	297.9	184.6
17.5°	4571.7	4542.3	4485.7	4397.6	4095.4	3839.5	3438.7	2360.3	1120.4	386.0	193.0
20°	5182.2	5161.3	5115.1	5098.3	4903.2	4766.8	4435.3	3346.4	1745.6	524.5	205.6
22.5°	6021.5	5977.4	5996.3	5895.6	5704.7	5541.0	5337.5	4378.7	2509.3	755.3	228.7
25°	7049.5	7028.6	6976.1	6904.8	6640.4	6497.7	6185.1	5352.2	3363.2	1057.4	253.9
27.5°	8291.6	8268.5	8255.9	8092.3	7788.1	7632.8	7196.4	6271.1	4324.1	1481.2	287.4
30°	9722.5	9733.0	9651.1	9441.3	9086.8	8868.6	8419.6	7234.2	5308.1	1978.5	323.1
32.5°	11203.7	11182.7	11056.9	10809.3	10492.5	10289.0	9718.3	8289.5	6340.4	2635.2	365.1
35°	12800.4	12760.5	12429.0	12145.8	11875.1	11619.1	11098.8	9514.8	7372.6	3371.6	421.7
37.5°	14411.7	14225.0	13559.9	13201.1	13014.4	12804.6	12319.9	10821.9	8398.6	4194.1	490.9
40°	15628.6	15483.8	14694.9	14034.0	13885.1	13706.7	13345.9	11950.6	9489.6	5077.3	574.9
42.5°	16302.0	16222.3	15513.2	14860.7	14510.3	14352.9	14044.5	12936.7	10568.0	6052.9	696.6
45°	16589.5	16465.7	15991.5	15687.3	15129.2	14869.1	14501.9	13681.5	11694.7	7160.7	866.5
47.5°	16501.4	16430.0	16090.1	16201.3	15796.4	15391.5	14852.3	14252.2	12657.7	8432.2	1099.4
50°	15947.5	15886.6	15781.7	16383.9	16333.5	15855.2	15305.5	14703.3	13444.5	9743.5	1460.3
52.5°	14894.2	14869.1	15137.6	16241.2	16637.7	16264.3	15741.9	15101.9	14178.8	11113.5	1976.4
55°	13536.8	13639.6	14407.5	16018.8	16793.0	16566.4	16127.9	15475.4	14768.4	12338.8	2738.0
57.5°	12978.7	13006.0	13964.8	15861.4	16862.2	16832.9	16503.5	15832.1	15309.7	13318.6	3900.3
60°	13631.2	13589.2	14094.9	15981.0	17000.7	17072.0	16837.1	16163.6	15779.6	14159.9	5448.7
62.5°	14810.3	14787.2	14948.8	16490.9	17405.6	17550.4	17300.7	16402.8	16195.0	14713.8	7215.3
65°	15863.5	15815.3	16115.3	17395.1	18116.9	18219.7	18001.5	16811.9	16377.6	15116.6	8874.9
67.5°	16318.8	16308.3	16790.9	18255.4	18863.8	18975.0	18784.1	17376.3	16335.6	15244.6	9607.1
70°	16111.1	16071.3	16843.3	18620.4	19285.5	19411.4	19226.8	17586.1	15880.3	14839.7	8522.4
71°	15882.4	15775.4	16686.0	18595.2	19344.3	19451.3	19128.2	17395.1	15423.0	14264.8	7538.4
72.5°	15173.3	15192.2	16253.8	18333.0	19203.7	19172.2	18570.1	16711.2	14871.2	12959.8	6055.0
75°	13427.7	13538.9	14854.4	17231.5	17949.0	17548.3	16627.2	15404.1	13763.4	9292.4	4204.5
77.5°	10972.9	11138.7	12584.3	15112.4	14908.9	14869.1	14831.3	13572.4	11753.4	4991.3	2924.7
80°	5238.9	5597.7	7590.8	10788.3	11719.8	12170.9	11887.7	10937.3	9088.9	2377.1	1747.7
82.5°	342.0	337.8	478.4	906.4	3820.6	4938.9	7846.8	7817.4	6336.2	1158.1	713.3
85°	161.6	165.7	182.5	207.7	241.3	264.4	365.1	2140.0	3031.7	551.8	155.3
87.5°	94.4	96.5	113.3	144.8	188.8	209.8	249.7	321.0	394.4	304.2	33.6
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: P1048839

CATALOG NUMBER: GALN-SA7C-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9
2.5°	172.0	169.9	163.6	157.4	151.1	146.9	144.8	146.9	146.9	149.0	149.0
5°	172.0	165.7	155.3	142.7	134.3	125.9	121.7	119.6	121.7	121.7	121.7
7.5°	169.9	159.5	144.8	130.1	119.6	109.1	104.9	102.8	102.8	104.9	104.9
10°	165.7	155.3	136.4	119.6	107.0	94.4	88.1	81.8	81.8	81.8	83.9
12.5°	163.6	149.0	125.9	109.1	92.3	77.6	65.0	58.7	60.8	60.8	60.8
15°	159.5	142.7	119.6	98.6	77.6	58.7	48.3	42.0	44.1	46.2	44.1
17.5°	159.5	140.6	111.2	86.0	60.8	44.1	35.7	31.5	31.5	33.6	33.6
20°	159.5	136.4	104.9	73.4	46.2	33.6	25.2	23.1	23.1	27.3	29.4
22.5°	163.6	136.4	96.5	60.8	37.8	25.2	18.9	16.8	18.9	23.1	25.2
25°	169.9	134.3	88.1	54.5	31.5	18.9	14.7	10.5	12.6	16.8	18.9
27.5°	176.2	132.2	79.7	48.3	25.2	14.7	10.5	8.4	6.3	8.4	8.4
30°	182.5	132.2	71.3	39.9	21.0	10.5	6.3	4.2	2.1	0.0	0.0
32.5°	186.7	128.0	65.0	31.5	16.8	8.4	4.2	2.1	0.0	0.0	0.0
35°	190.9	123.8	56.6	25.2	12.6	6.3	2.1	0.0	0.0	0.0	0.0
37.5°	195.1	117.5	48.3	21.0	10.5	4.2	0.0	0.0	0.0	0.0	0.0
40°	199.3	109.1	39.9	18.9	6.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	203.5	102.8	33.6	14.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	214.0	98.6	27.3	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	232.9	94.4	25.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	260.2	90.2	23.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	297.9	88.1	21.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	365.1	86.0	18.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	480.5	83.9	18.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	736.4	79.7	18.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1315.5	77.6	16.8	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2293.2	79.7	16.8	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3287.7	83.9	14.7	6.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	2813.5	73.4	14.7	8.4	4.2	2.1	0.0	0.0	0.0	0.0	0.0
71°	2293.2	65.0	14.7	8.4	4.2	2.1	2.1	0.0	0.0	0.0	0.0
72.5°	1474.9	50.4	12.6	8.4	4.2	4.2	2.1	0.0	0.0	0.0	0.0
75°	623.1	42.0	12.6	8.4	6.3	4.2	4.2	2.1	0.0	0.0	0.0
77.5°	266.5	31.5	12.6	10.5	8.4	6.3	6.3	4.2	2.1	0.0	0.0
80°	100.7	25.2	14.7	12.6	10.5	10.5	8.4	4.2	2.1	0.0	0.0
82.5°	46.2	21.0	14.7	12.6	12.6	10.5	8.4	6.3	4.2	0.0	0.0
85°	29.4	18.9	14.7	12.6	12.6	10.5	10.5	6.3	4.2	0.0	0.0
87.5°	23.1	18.9	14.7	14.7	12.6	12.6	8.4	6.3	2.1	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: SP1-2407-184-17

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

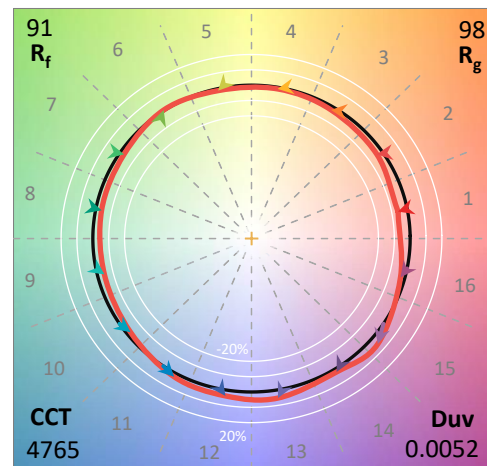
Test Information

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

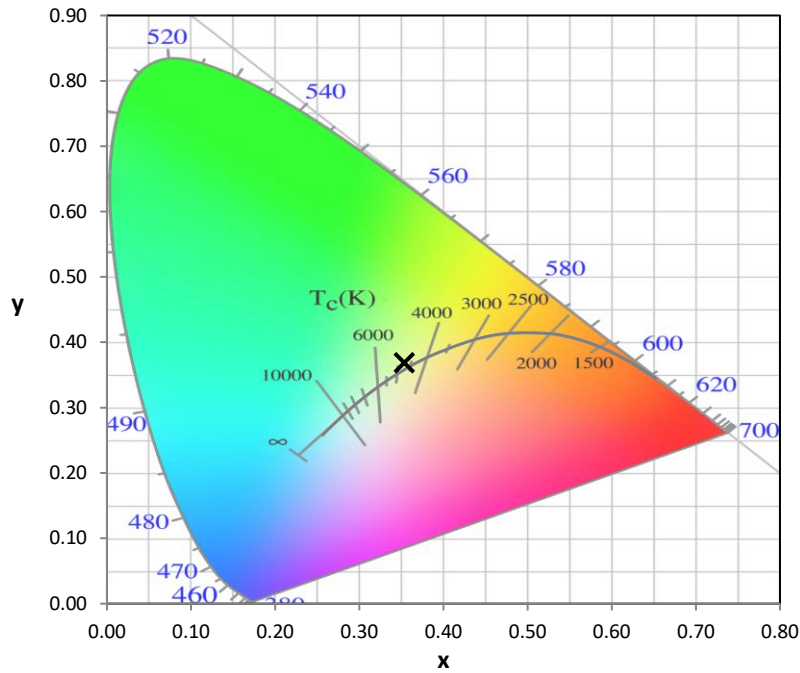
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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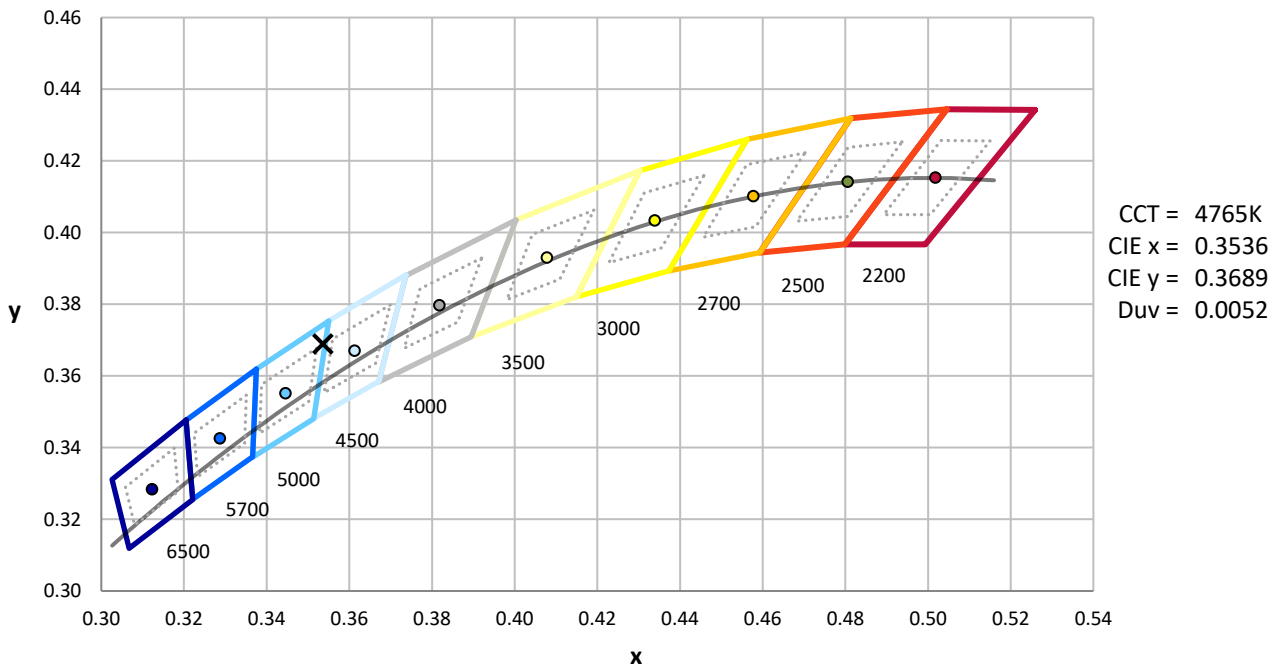
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



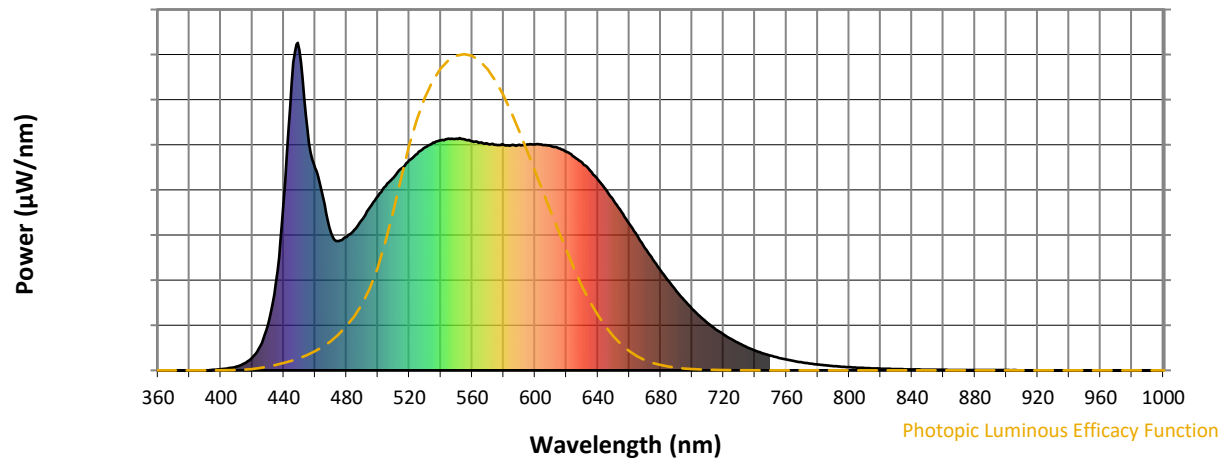
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

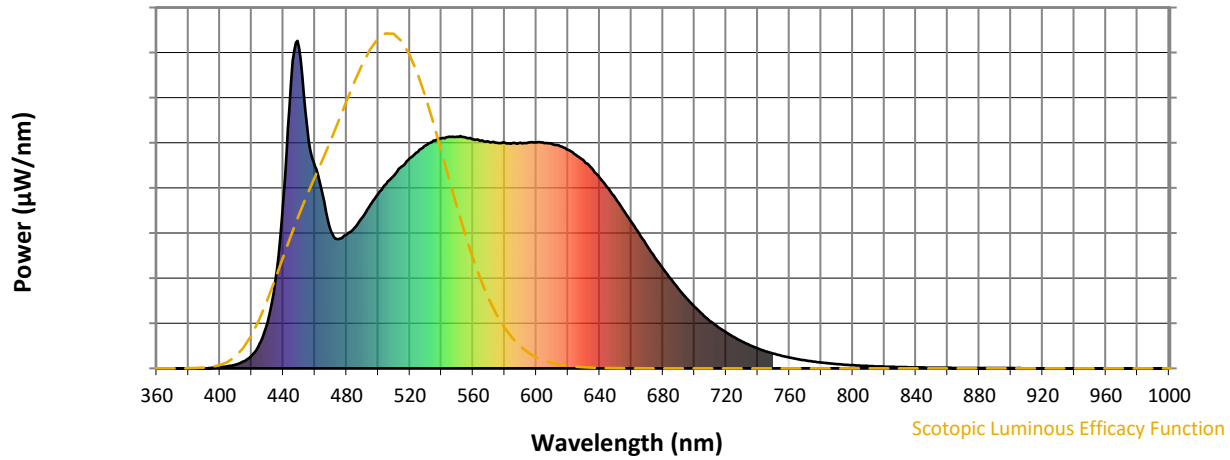


Photopic Lumens: NR

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



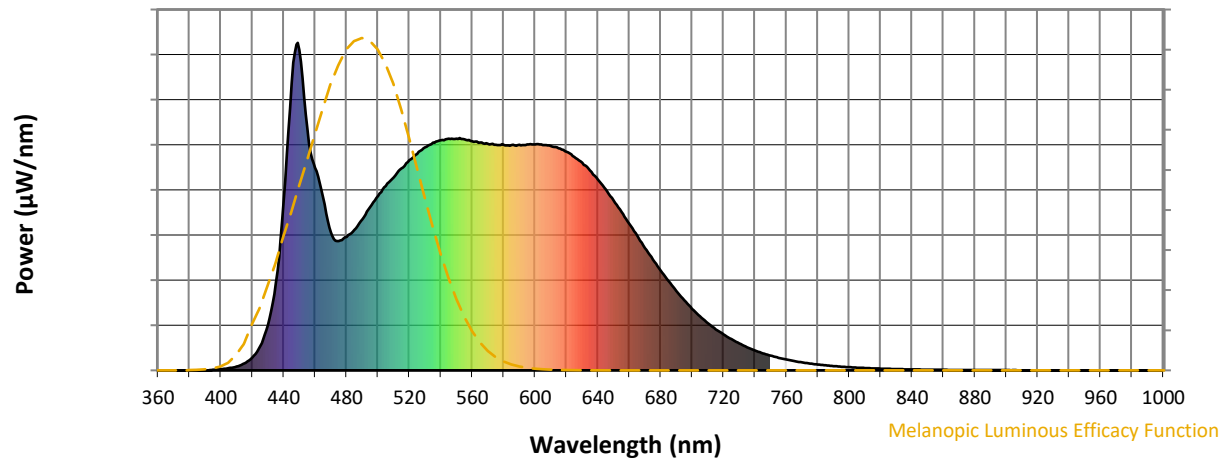
Scotopic Lumens: NR

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

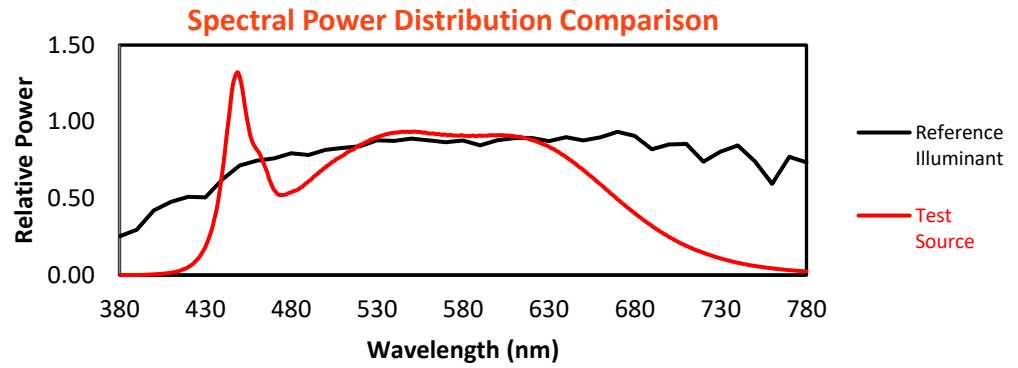
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533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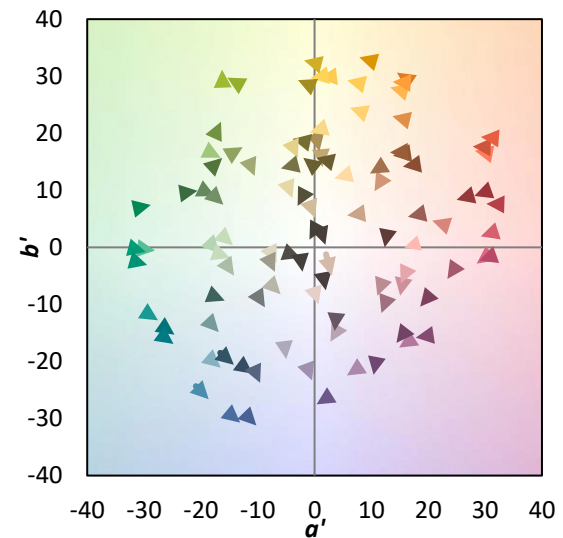
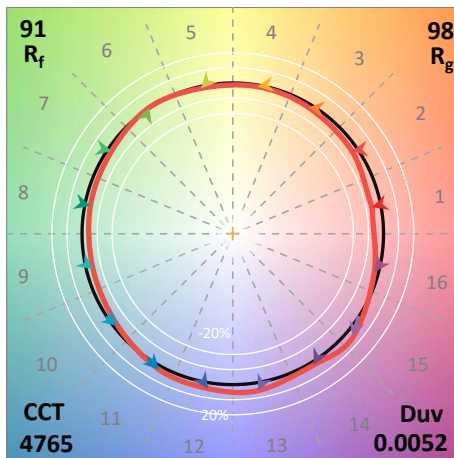
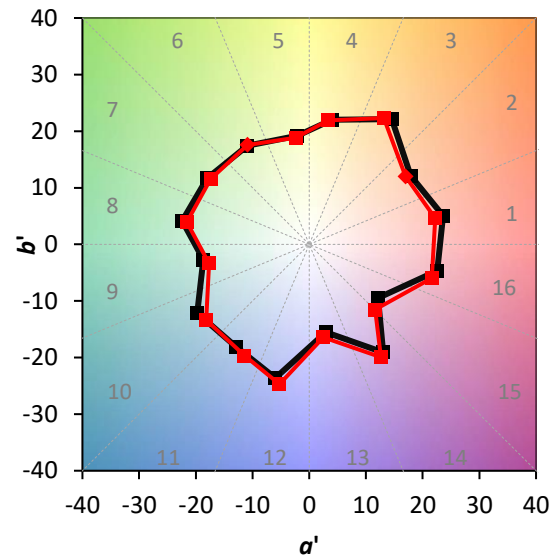
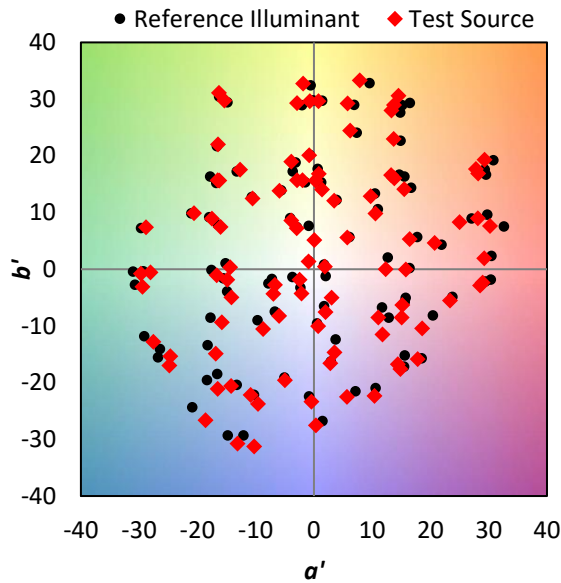
TM-30-18

Summary

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

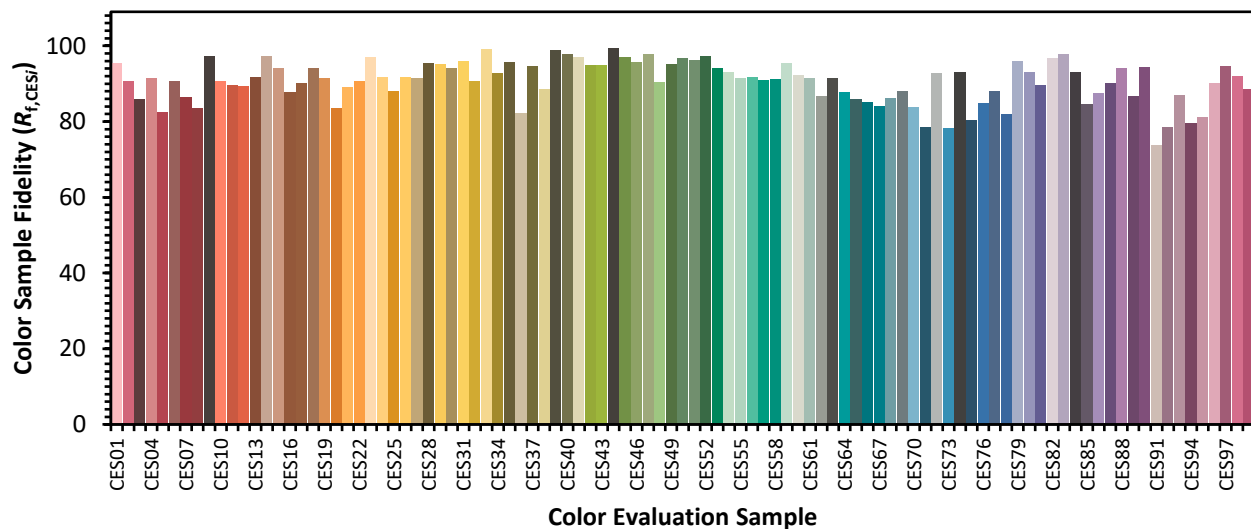


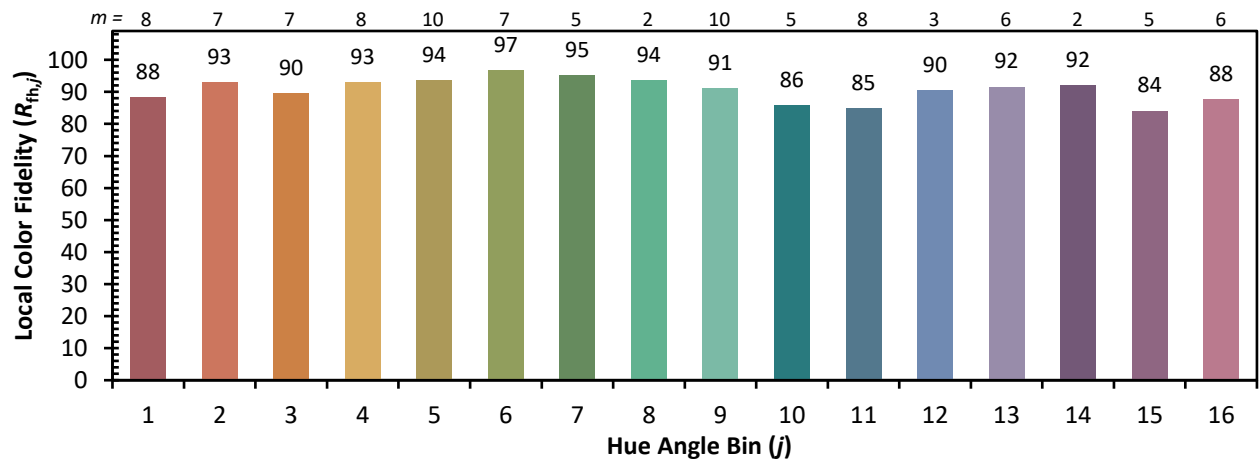
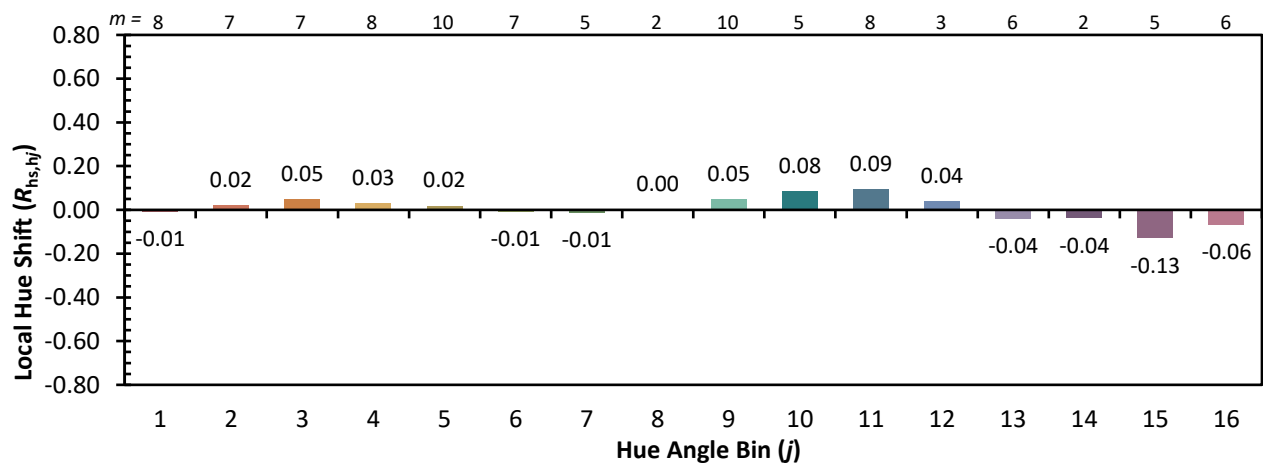
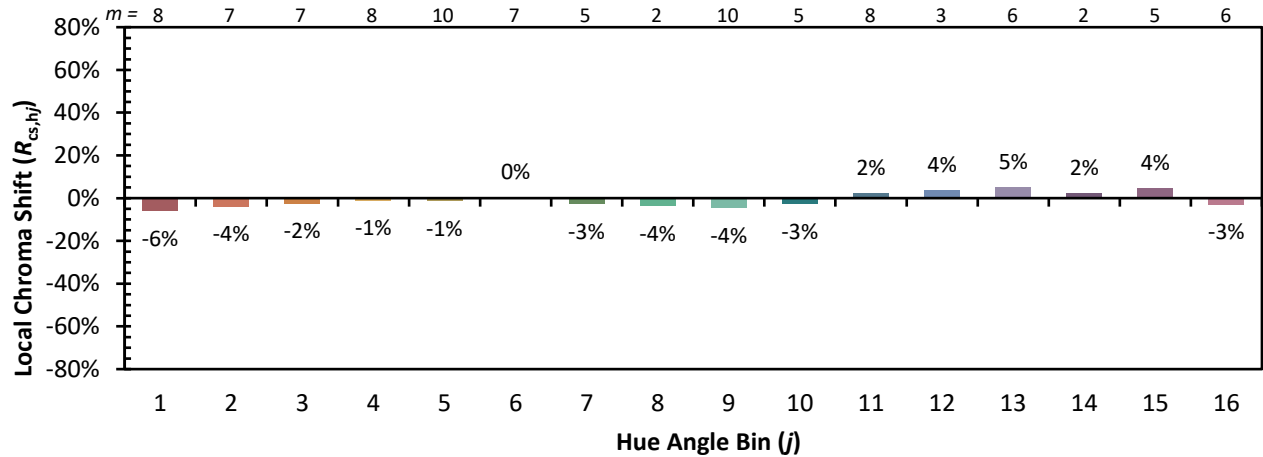
Color Vector Graphics



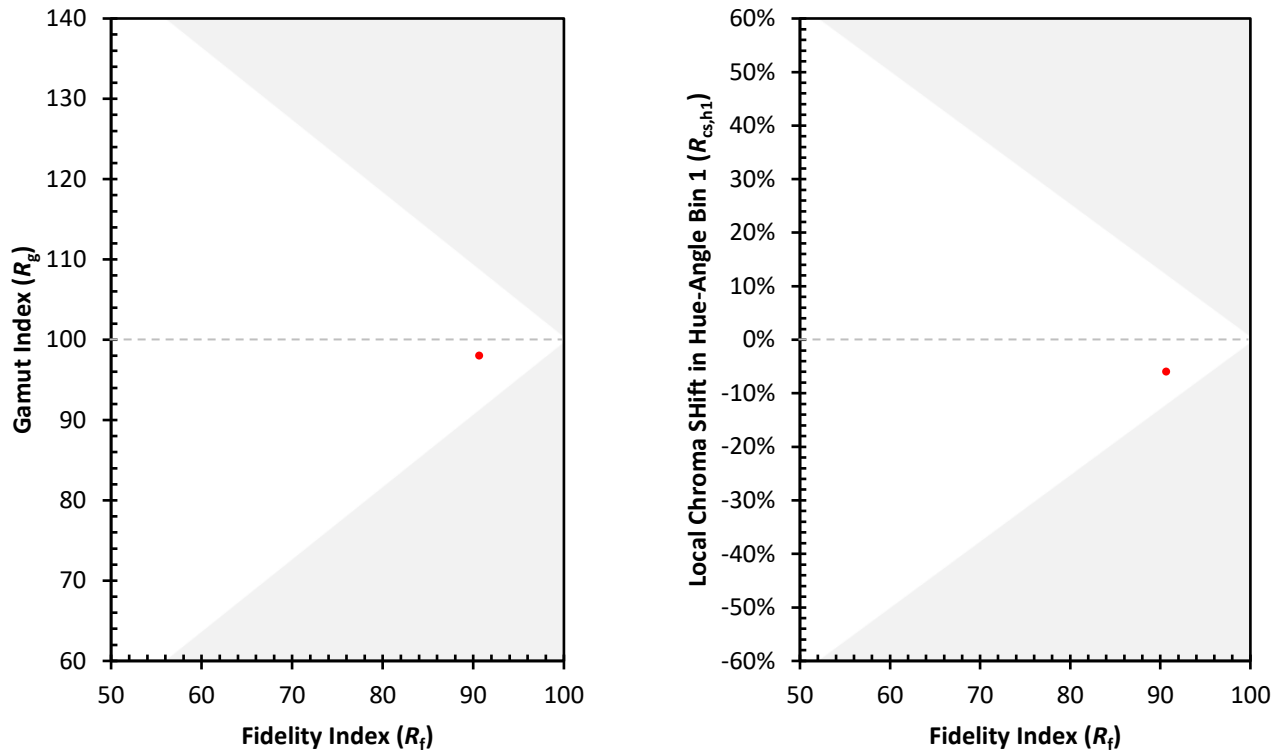
Individual Sample Fidelity Index ($R_{f,i}$)

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)