

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: P1048207

Luminaire Tested: **GALN-SA2C-950-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048207
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2C-950-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 2xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (28) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8957.8 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 96.2
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

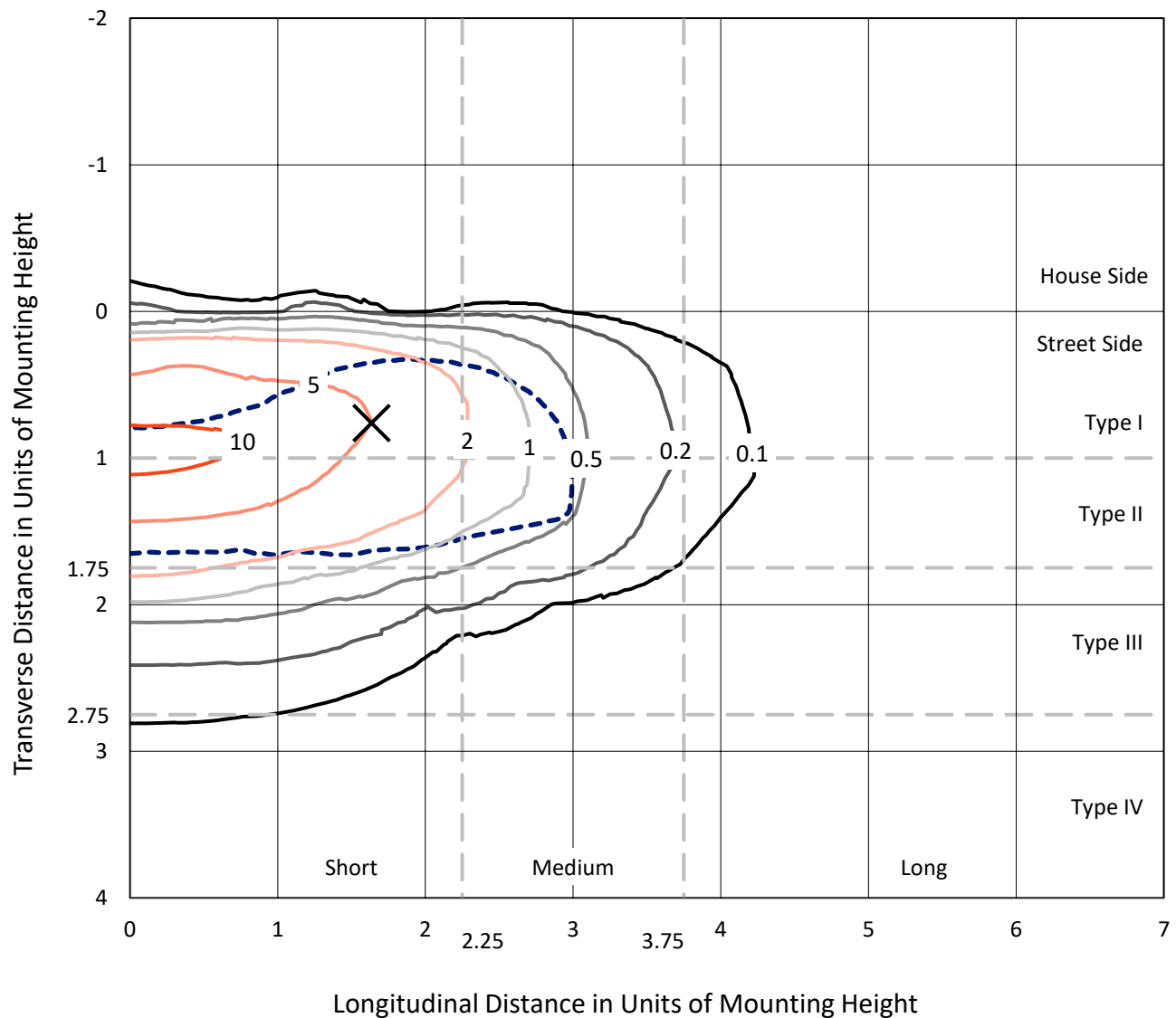


REPORT NUMBER: P1048207

CATALOG NUMBER: GALN-SA2C-950-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

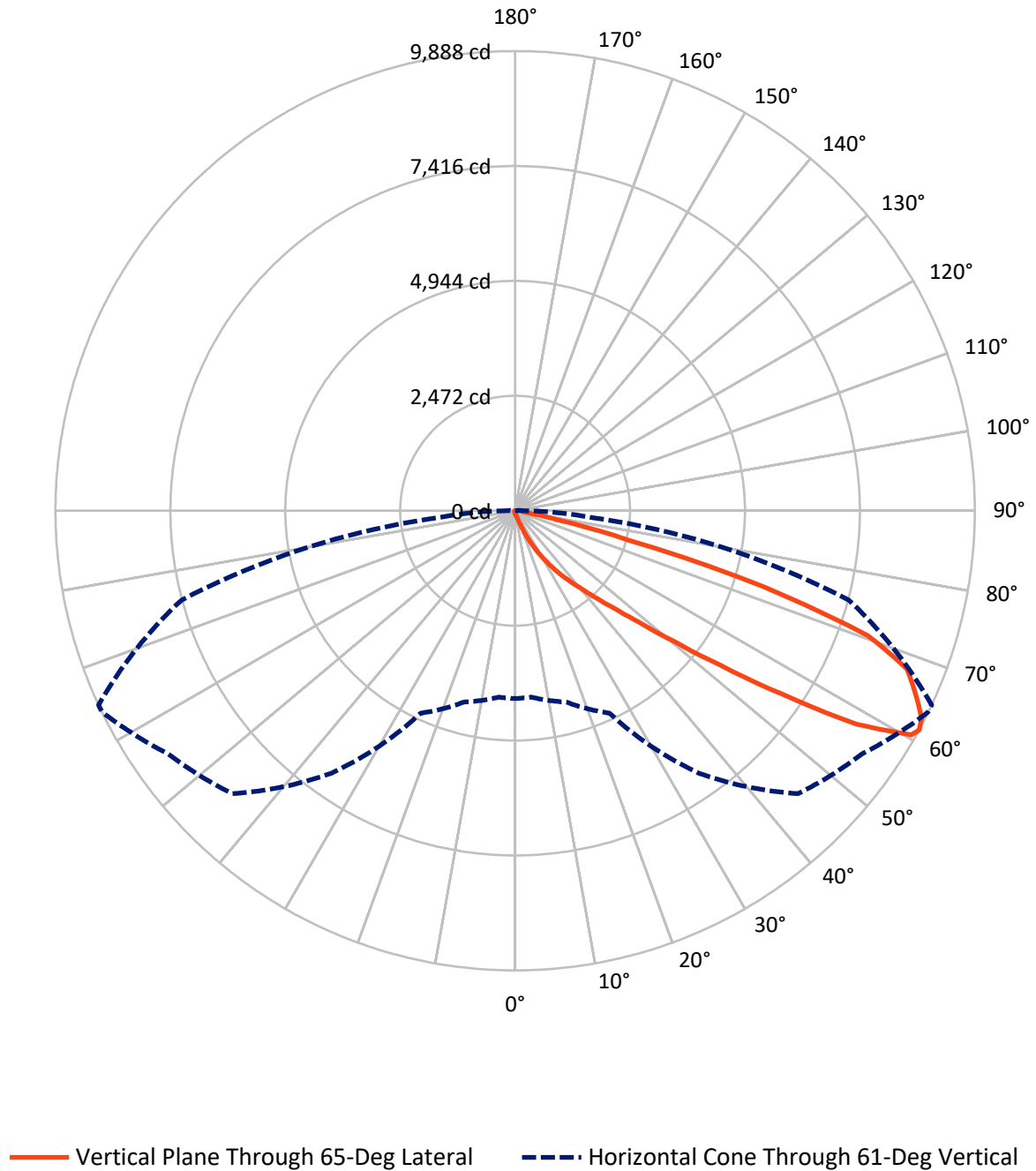


Based on 15 foot mounting height. Maximum calculated value = 11.8 fc
 Type II - Short - N/A

REPORT NUMBER: P1048207

CATALOG NUMBER: GALN-SA2C-950-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048207

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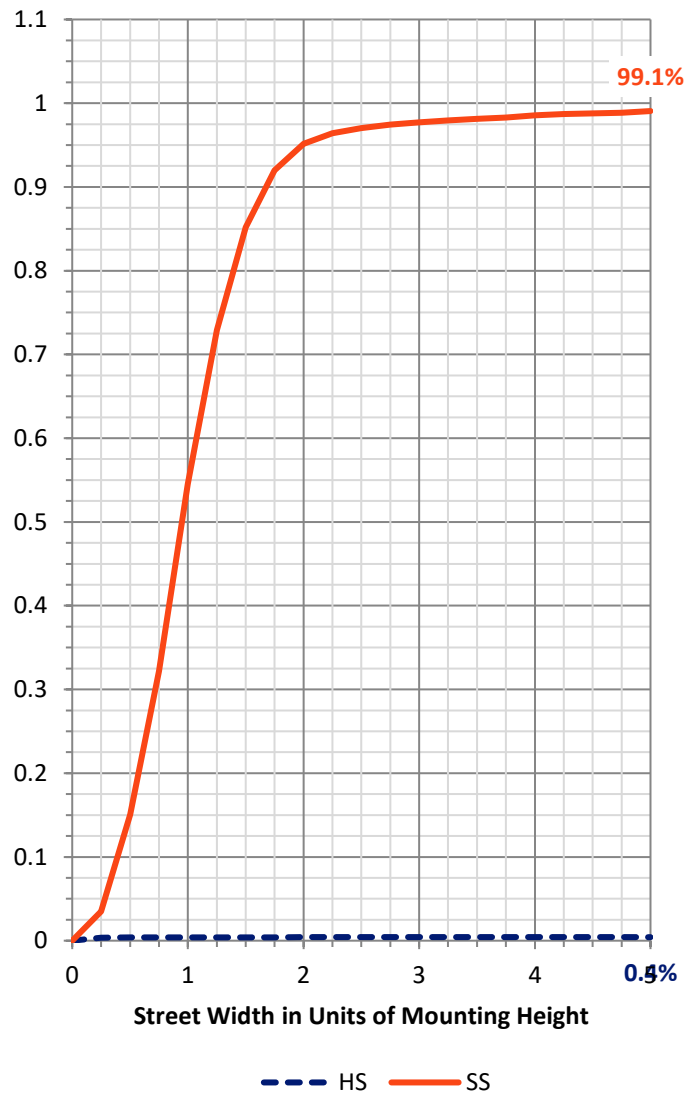
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.2	0.0	38.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	8919.6	0.0	8919.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	8957.8	0.0	8957.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	73.7	0.8
20°-30°	264.4	3.0
30°-40°	703.8	7.9
40°-50°	1848.9	20.6
50°-60°	2864.4	32.0
60°-70°	2401.7	26.8
70°-80°	706.8	7.9
80°-90°	87.2	1.0
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°	8957.8	100.0
0°-180°	8957.8	100.0



REPORT NUMBER: P1048207

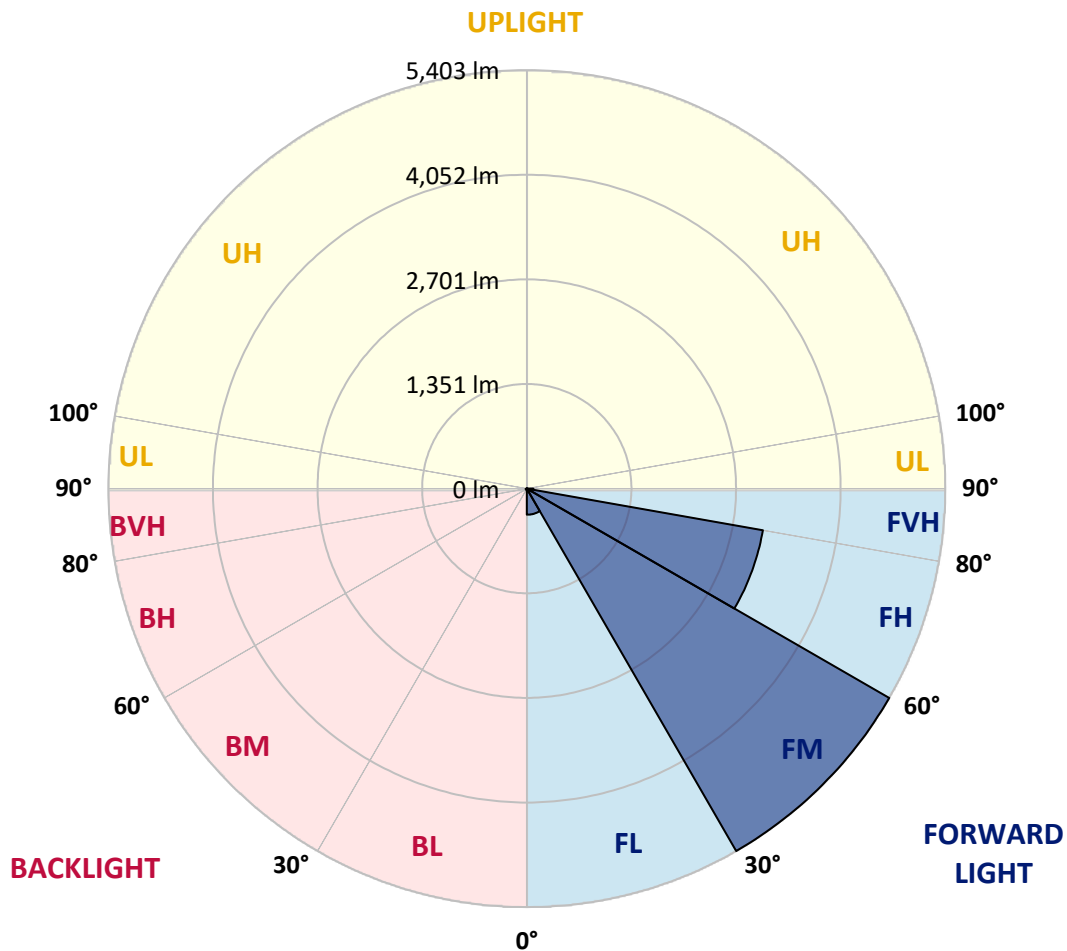
CATALOG NUMBER: GALN-SA2C-950-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	336.4	3.8			
FM	(30°-60°)	5402.6	60.3			
FH	(60°-80°)	3095.0	34.6			G2/5000
FVH	(80°-90°)	85.6	1.0			G1/100
BL	(0°-30°)	8.6	0.1	B0/110		
BM	(30°-60°)	14.6	0.2	B0/220		
BH	(60°-80°)	13.5	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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-G2

Type II Short



REPORT NUMBER: P1048207

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	66.5	67.2	65.9	63.5	61.6	61.6	61.0	59.2	59.2	57.3	56.1
5°	93.0	91.8	89.3	84.4	80.1	75.8	71.5	67.2	66.5	61.0	57.3
7.5°	152.2	153.4	145.4	130.0	117.1	100.4	85.0	75.8	74.6	65.3	57.9
10°	334.0	324.7	306.3	246.5	202.7	152.8	113.4	88.1	86.9	70.2	59.2
12.5°	608.8	601.4	567.5	505.9	393.1	273.6	165.8	109.1	105.4	74.6	59.8
15°	877.5	865.8	847.3	785.0	653.2	490.5	271.1	149.1	139.3	80.7	59.2
17.5°	1048.8	1050.6	1034.0	1007.5	922.5	725.9	468.3	222.4	203.3	91.8	57.9
20°	1198.5	1194.2	1203.4	1189.3	1129.5	986.5	681.5	352.5	319.8	109.7	58.5
22.5°	1371.0	1381.5	1388.3	1385.2	1319.3	1197.3	923.7	527.5	486.2	142.3	60.4
25°	1602.1	1600.9	1601.5	1593.5	1529.4	1393.8	1166.5	745.0	703.1	195.3	64.7
27.5°	1844.3	1851.7	1854.8	1825.8	1742.0	1608.9	1391.4	982.8	933.5	280.4	70.2
30°	2175.2	2169.0	2154.8	2095.7	1994.0	1828.9	1613.2	1232.4	1180.6	399.3	78.9
32.5°	2621.3	2614.5	2543.1	2412.4	2260.2	2058.1	1836.3	1482.6	1419.7	547.8	90.6
35°	3356.4	3366.9	3191.3	2853.0	2580.0	2333.5	2083.4	1731.5	1676.1	730.8	106.6
37.5°	4482.2	4424.9	4186.5	3588.7	3000.9	2677.4	2319.4	1982.9	1934.9	956.3	127.6
40°	5576.0	5519.3	5450.3	4884.0	3732.3	3056.3	2649.7	2278.1	2215.9	1210.8	158.4
42.5°	6725.8	6694.4	6691.3	6264.3	5067.0	3652.2	3047.1	2623.8	2570.8	1490.0	208.9
45°	7540.4	7509.0	7574.9	7649.5	6884.8	4929.0	3739.1	3073.0	2996.0	1828.9	289.6
47.5°	7650.1	7651.3	7827.6	8061.1	8235.5	6903.9	4660.9	3668.2	3574.6	2313.8	425.2
50°	7285.3	7299.5	7579.9	7997.7	8467.2	8560.9	6286.5	4532.1	4393.5	2888.7	617.4
52.5°	6590.9	6606.9	6997.6	7684.6	8254.0	8958.9	8200.4	5662.3	5502.7	3606.0	888.6
55°	5965.4	5975.3	6423.3	7291.5	7997.0	8742.6	9336.7	7171.3	6961.8	4488.4	1156.0
57.5°	5346.1	5323.3	5614.8	6608.7	7953.3	8477.1	9504.3	8891.1	8660.1	5452.7	1364.3
60°	4518.0	4479.8	4713.9	5346.1	7377.8	8651.4	9190.6	9842.6	9790.2	6795.4	1525.1
61°	4041.7	4025.6	4261.0	4803.3	6893.4	8607.1	9115.4	9882.6	9888.1	7430.7	1597.2
62.5°	2886.3	2931.9	3291.7	3996.7	5773.8	8319.3	9125.3	9758.7	9813.6	8274.9	1783.9
65°	1282.9	1356.3	1636.0	2209.7	3357.7	6920.5	9037.8	9487.0	9459.9	8506.6	2427.2
67.5°	761.0	772.1	911.4	1252.1	1778.4	3722.5	7975.5	9127.8	9091.4	7405.5	3020.0
70°	599.6	605.1	649.5	785.7	1032.1	1425.9	4551.9	7897.2	8055.6	6004.9	2956.5
72.5°	568.8	567.5	573.7	597.7	650.1	707.4	1762.3	5249.4	5571.7	4324.5	2479.0
75°	561.4	558.9	552.7	543.5	470.8	416.6	546.0	2321.8	2508.5	2954.7	1866.5
77.5°	544.7	545.3	546.6	521.3	403.6	294.5	264.3	745.0	916.3	1875.1	1326.7
80°	368.5	374.0	383.3	373.4	362.9	213.2	186.7	265.0	268.7	1052.5	876.2
82.5°	186.7	186.7	182.4	162.7	140.5	138.6	148.5	192.3	194.7	532.4	412.2
85°	112.8	118.9	121.4	110.3	101.1	93.0	113.4	152.8	158.4	206.4	96.1
87.5°	25.3	25.9	28.3	37.6	54.8	74.6	105.4	139.9	142.3	132.5	11.7
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: P1048207

CATALOG NUMBER: GALN-SA2C-950-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	55.5	54.2	53.6	51.8	49.9	48.1	46.8	46.2	46.8	47.4	47.4
5°	54.8	53.0	49.9	46.8	44.4	41.9	39.4	38.8	38.8	39.4	39.4
7.5°	54.8	51.8	47.4	43.8	40.1	36.4	34.5	33.3	33.9	33.9	33.9
10°	54.8	51.1	45.6	40.1	35.7	31.4	28.3	27.1	27.1	27.1	27.1
12.5°	54.2	50.5	43.8	37.0	30.8	25.9	22.2	20.3	21.0	21.0	21.0
15°	53.0	48.7	41.3	31.4	24.6	19.7	16.0	14.2	14.8	16.0	16.6
17.5°	51.1	46.8	37.0	26.5	19.7	14.8	11.1	9.9	10.5	12.3	12.3
20°	50.5	45.0	32.7	21.6	14.8	10.5	7.4	6.2	6.8	9.2	9.9
22.5°	50.5	43.8	29.6	17.9	11.1	6.8	4.3	2.5	2.5	4.3	4.3
25°	51.1	43.1	27.1	14.8	8.0	4.9	2.5	1.2	2.5	6.8	8.0
27.5°	52.4	42.5	25.9	12.3	6.2	4.3	1.8	4.3	7.4	7.4	7.4
30°	53.6	41.3	24.0	10.5	5.5	3.1	3.1	6.2	6.2	7.4	8.0
32.5°	55.5	40.7	22.8	9.2	4.3	2.5	4.3	3.7	3.7	4.3	4.9
35°	59.2	41.3	21.6	9.2	4.3	3.1	3.7	1.8	1.2	1.2	1.2
37.5°	64.1	41.9	19.7	8.0	3.7	3.7	1.8	0.0	0.0	0.0	0.0
40°	72.1	43.8	18.5	7.4	3.1	3.1	0.6	0.0	0.0	0.0	0.0
42.5°	85.7	47.4	17.9	6.8	3.1	2.5	0.0	0.0	0.0	0.0	0.0
45°	112.8	56.1	16.6	6.2	3.1	1.2	0.0	0.0	0.0	0.0	0.0
47.5°	162.1	76.4	16.0	4.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	236.6	103.5	15.4	4.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	301.9	109.1	10.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	309.3	75.2	8.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	246.5	48.7	6.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	186.7	37.0	6.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	179.3	33.3	6.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	197.8	29.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	321.7	24.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	558.9	21.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	706.2	19.7	3.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	615.6	17.9	3.7	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	370.3	15.4	3.7	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	194.1	11.7	3.7	3.1	1.8	0.6	0.0	0.0	0.0	0.0	0.0
80°	94.3	10.5	4.3	3.1	2.5	1.2	0.0	0.0	0.0	0.0	0.0
82.5°	37.0	8.6	4.9	4.3	3.1	1.8	0.6	0.0	0.0	0.0	0.0
85°	16.6	7.4	5.5	4.9	4.3	2.5	0.6	0.0	0.0	0.0	0.0
87.5°	8.6	6.8	6.2	5.5	4.3	3.1	1.2	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

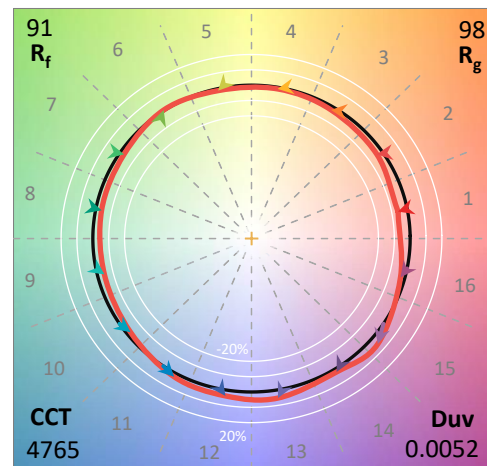
Test Information

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

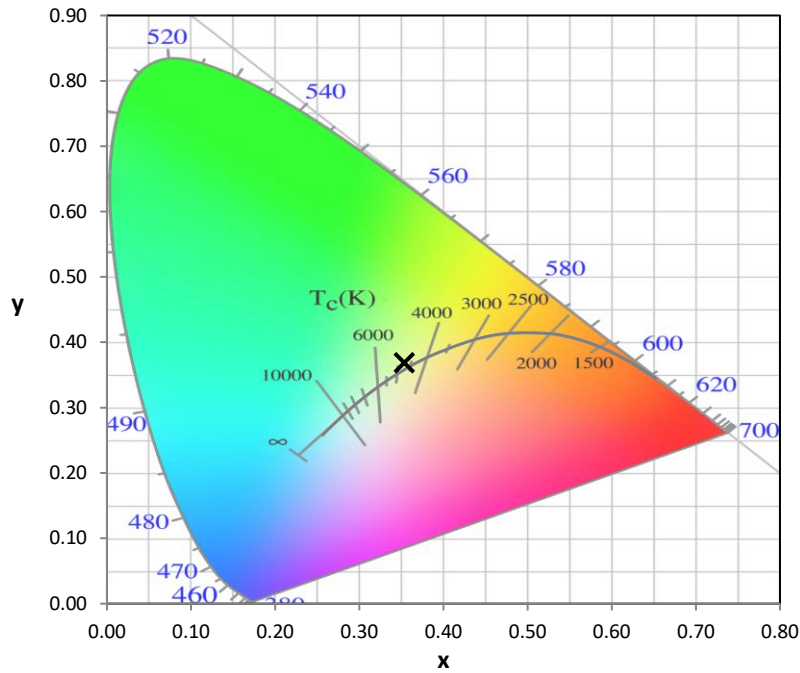
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

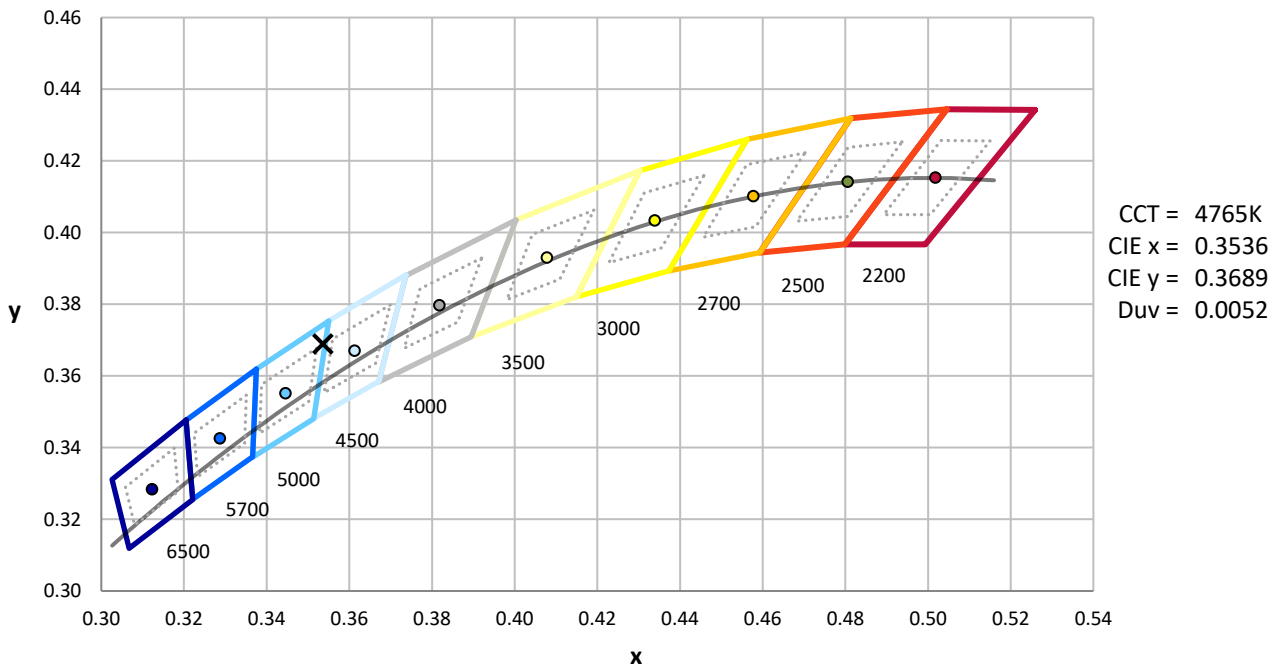
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



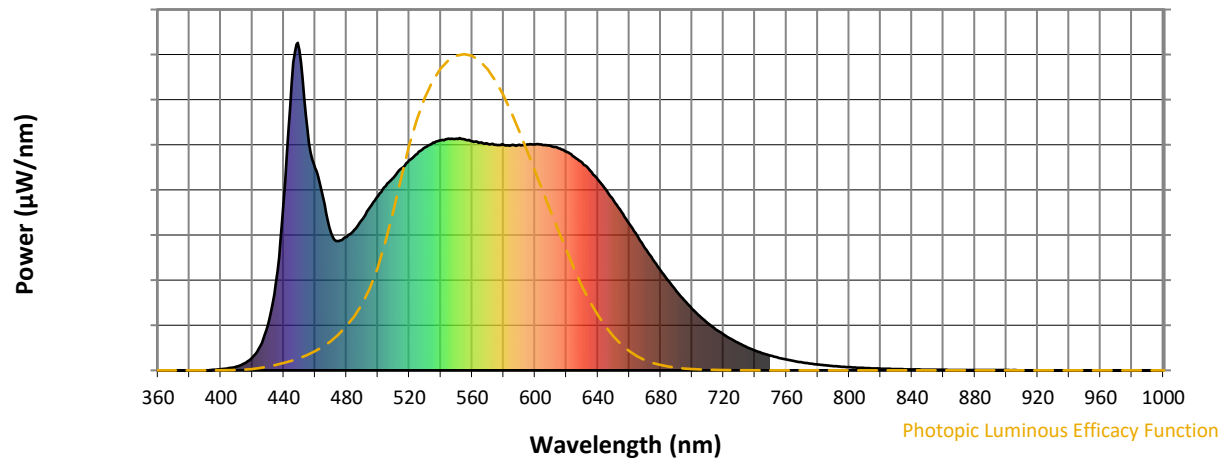
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

Photopic Flux vs. Wavelength

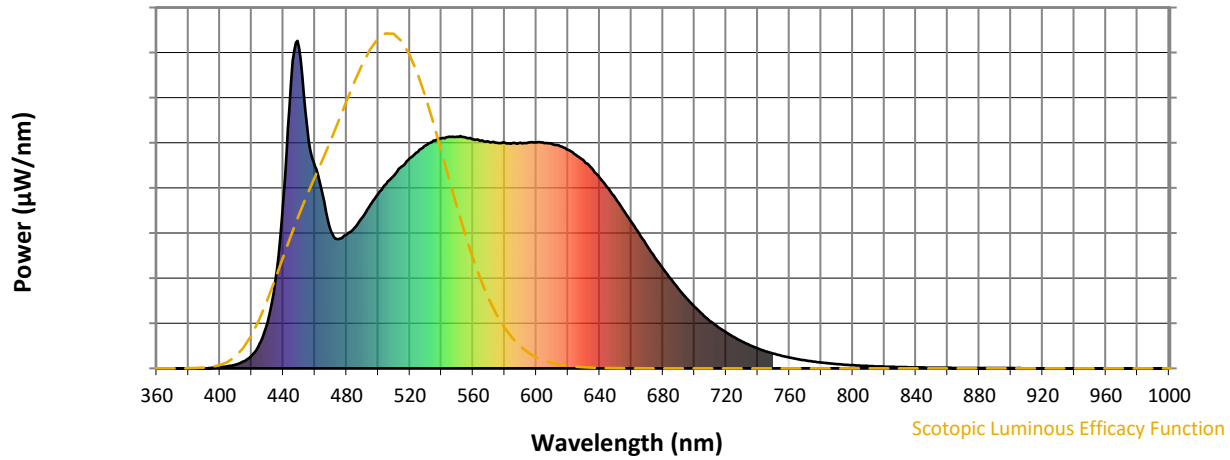


Photopic Lumens: NR

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



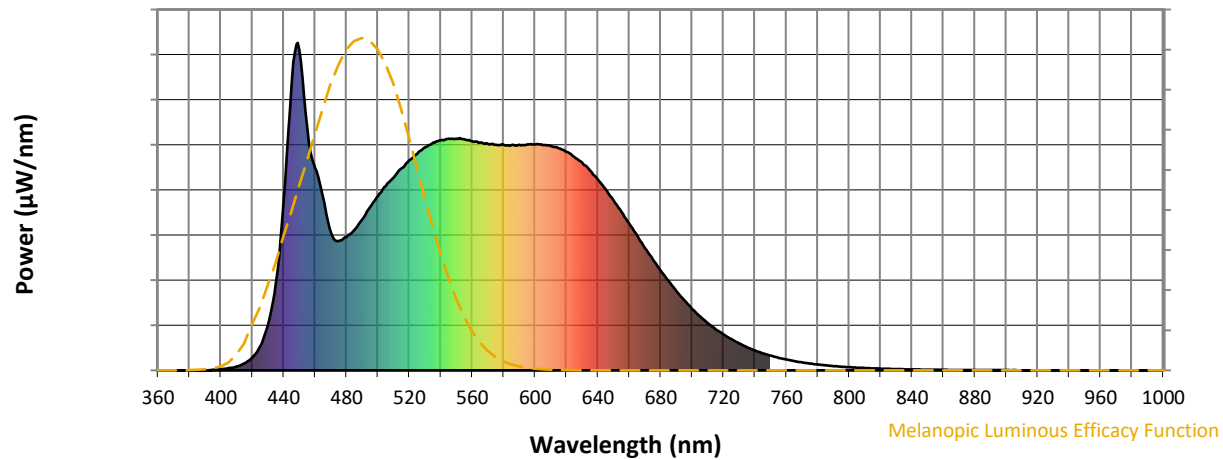
Scotopic Lumens: NR

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

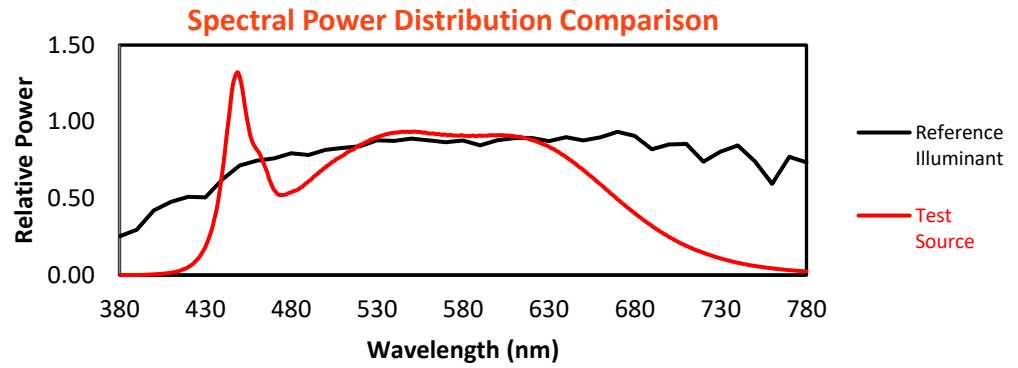
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668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

REPORT NUMBER: SP1-2407-184-17

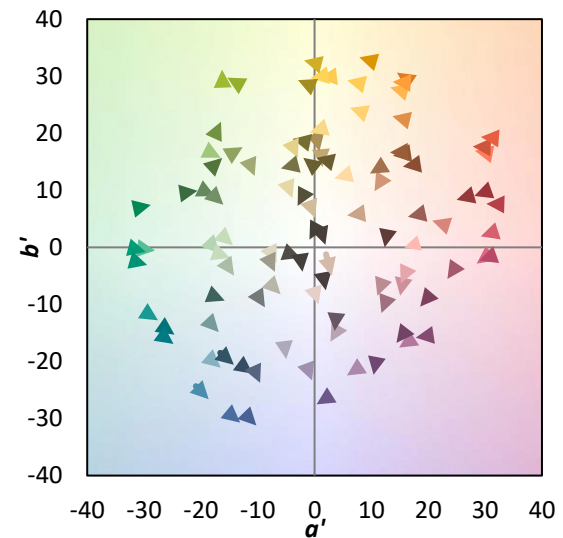
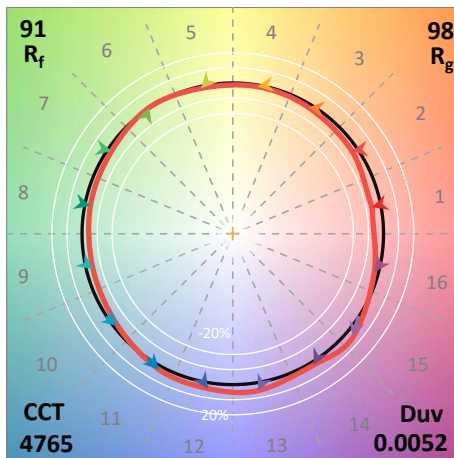
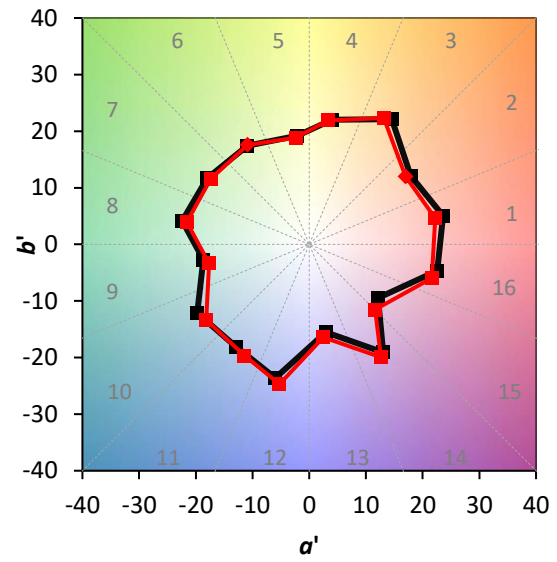
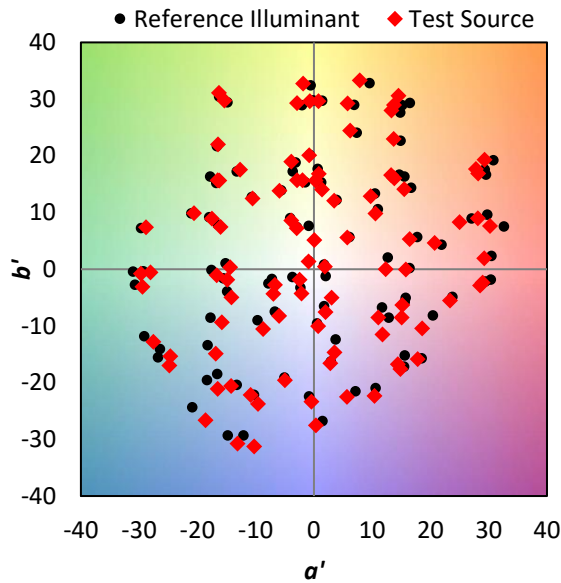
TM-30-18

Summary

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

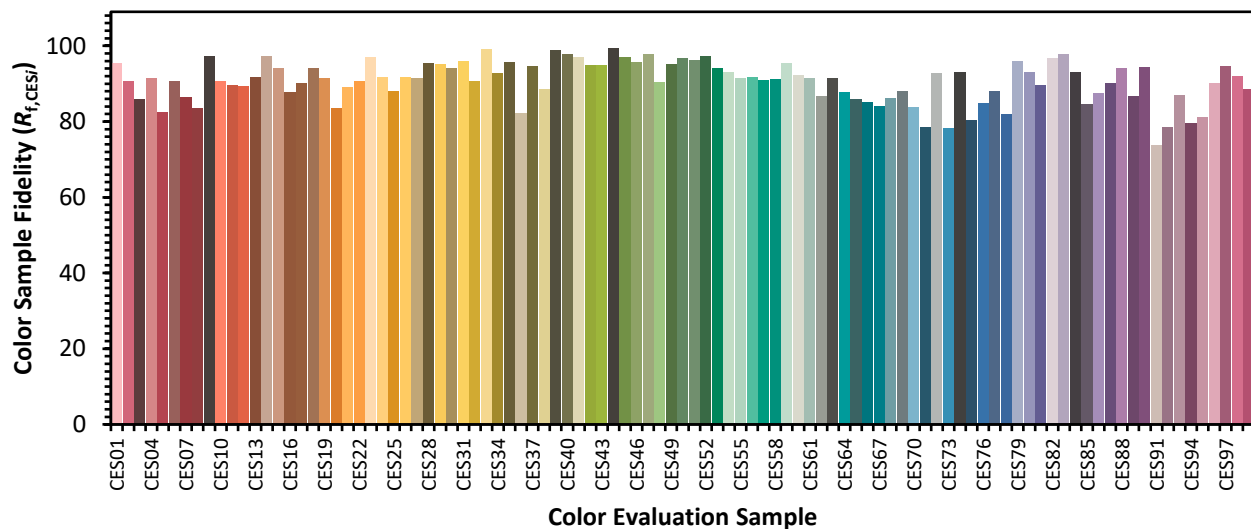


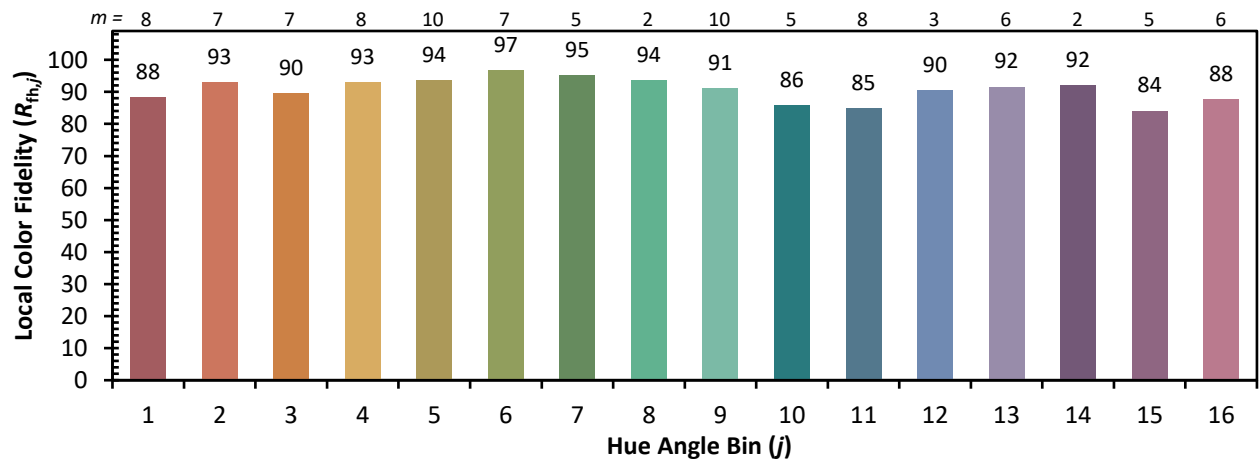
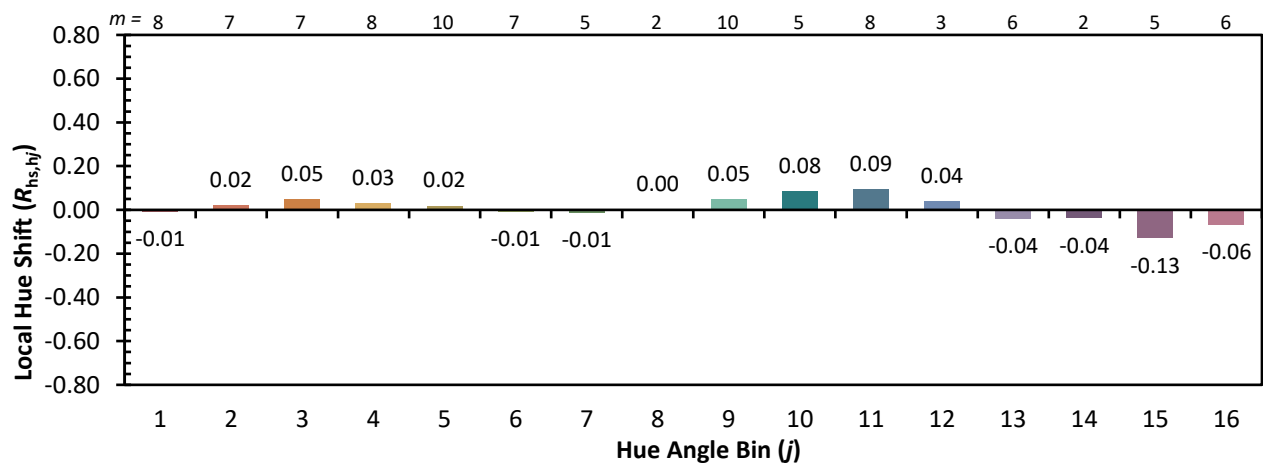
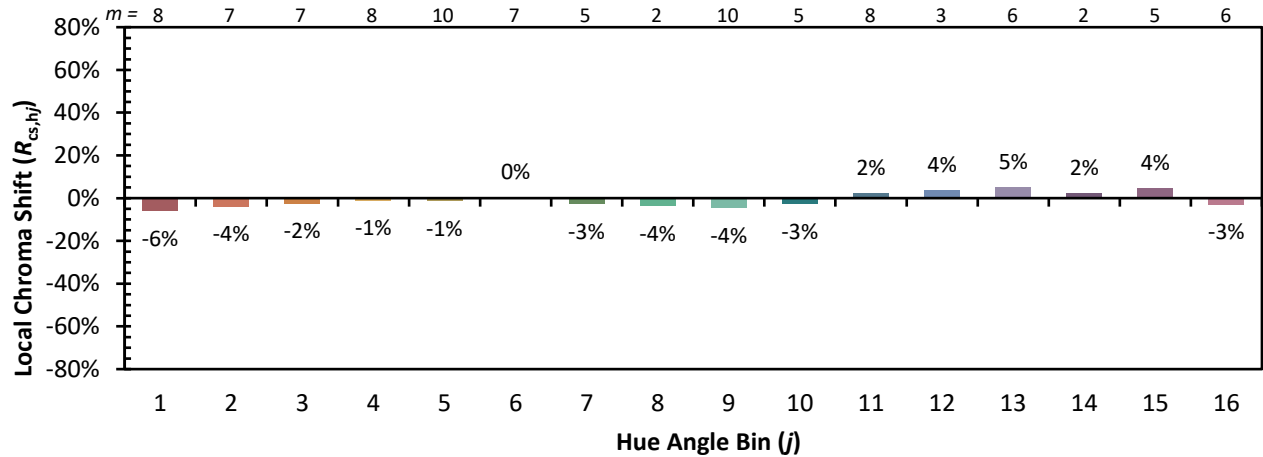
Color Vector Graphics



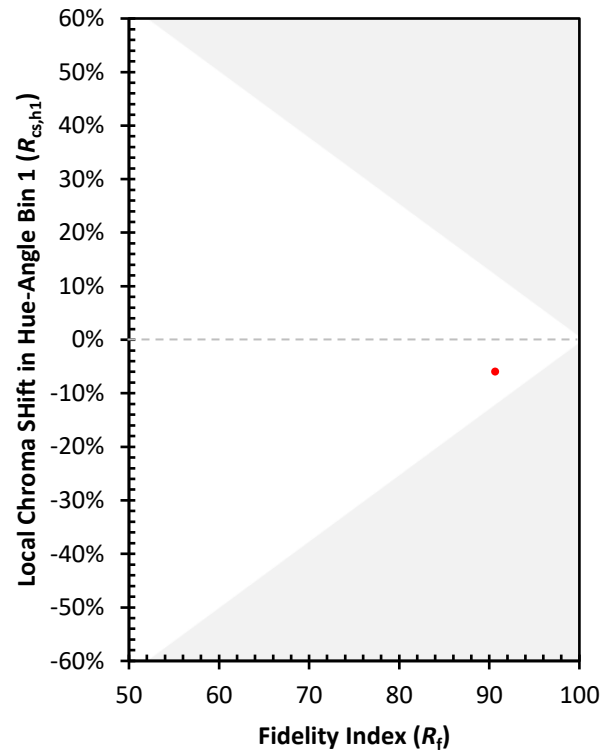
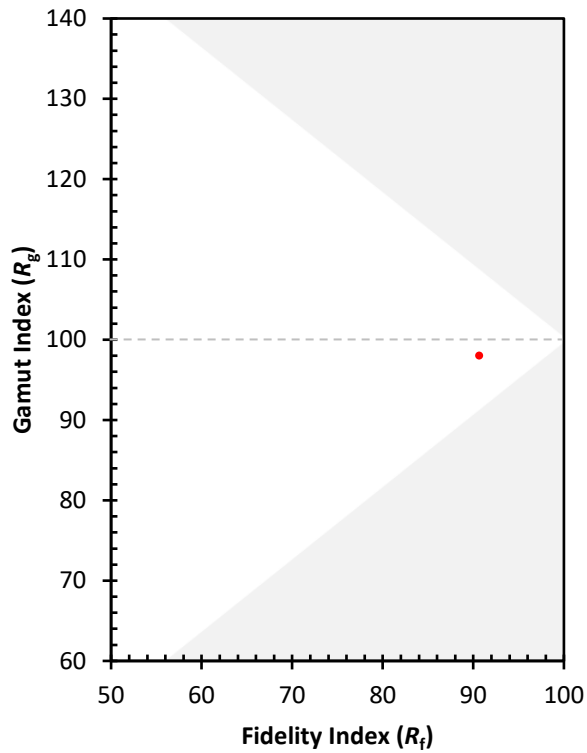
Individual Sample Fidelity Index ($R_{f,i}$)

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)