

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: P1048826

Luminaire Tested: **GALN-SA4B-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048826
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-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14447.3 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

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

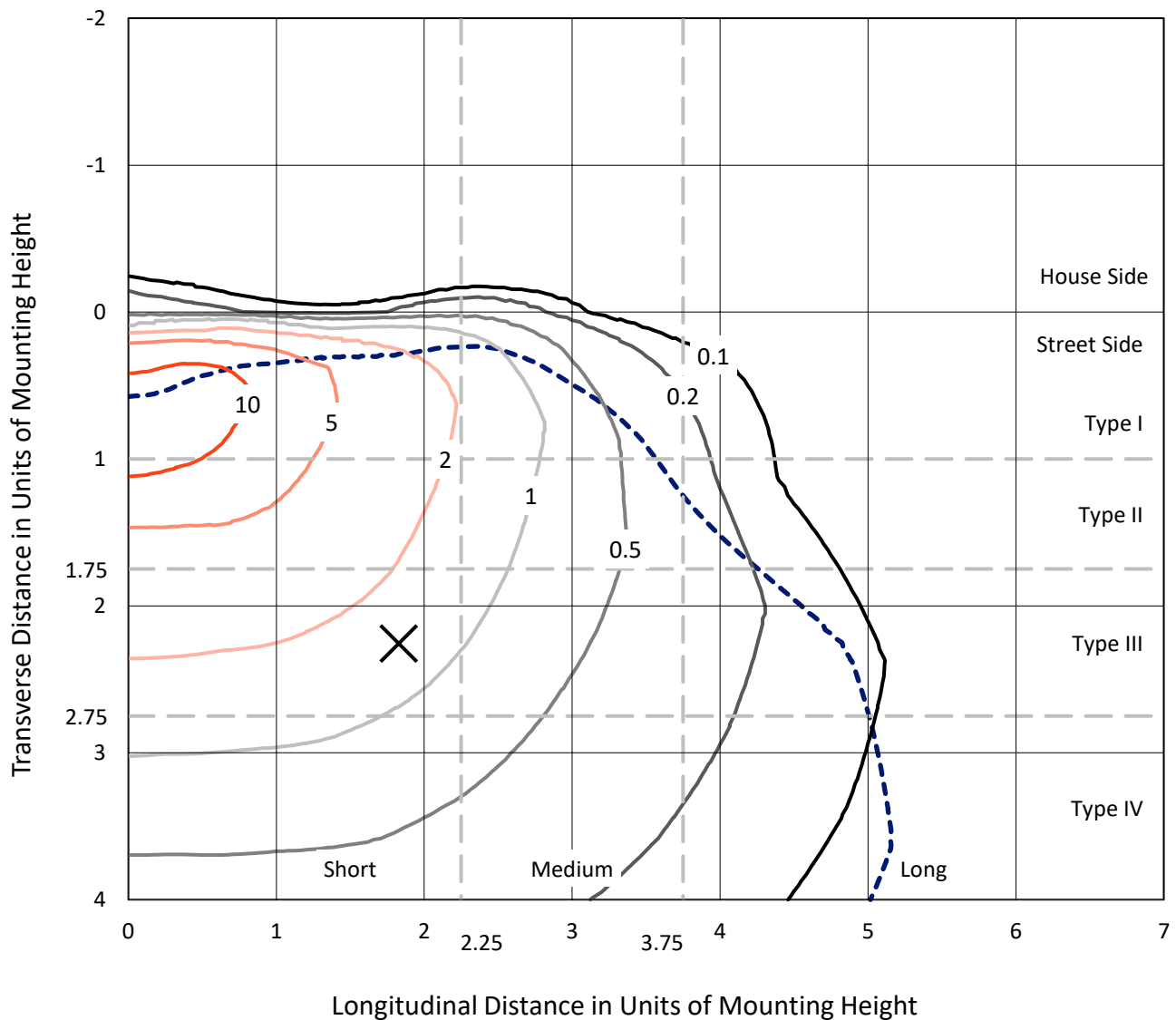


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

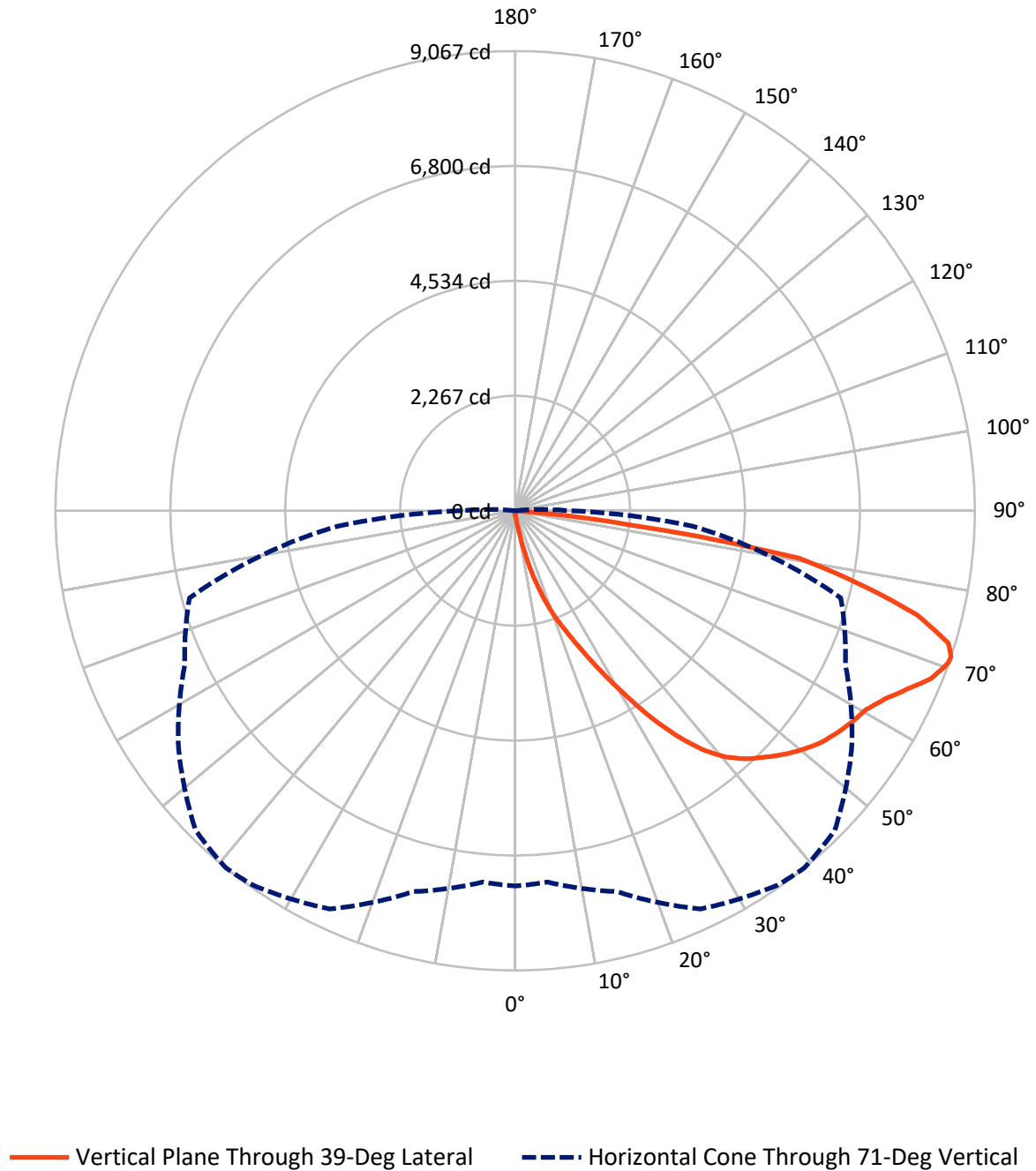


Based on 15 foot mounting height. Maximum calculated value = 14.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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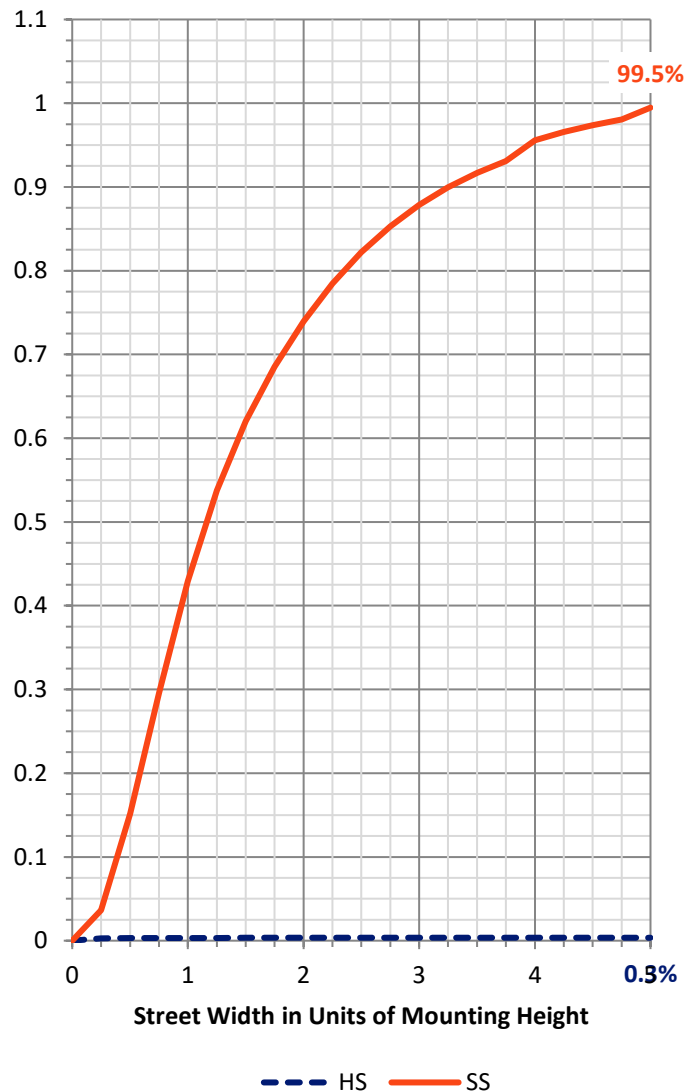
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.3	0.0	51.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14396.0	0.0	14396.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	14447.3	0.0	14447.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.1
10°-20°	154.4	1.1
20°-30°	549.9	3.8
30°-40°	1325.3	9.2
40°-50°	2218.0	15.4
50°-60°	2848.8	19.7
60°-70°	3605.1	25.0
70°-80°	3214.1	22.2
80°-90°	519.5	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°	14447.3	100.0
0°-180°	14447.3	100.0



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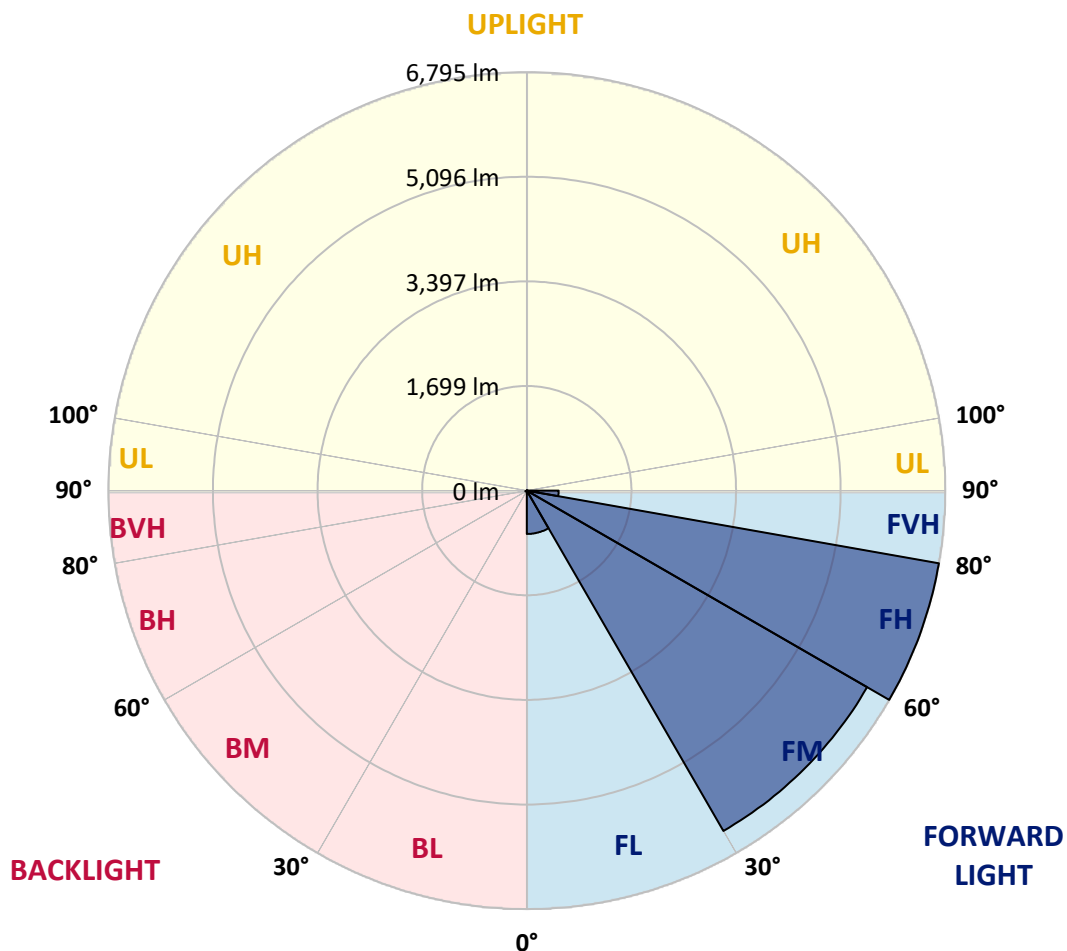
CATALOG NUMBER: GALN-SA4B-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	704.0	4.9			
FM	(30°-60°)	6380.2	44.2			
FH	(60°-80°)	6794.6	47.0			G3/7500
FVH	(80°-90°)	517.2	3.6			G4/750
BL	(0°-30°)	12.4	0.1	B0/110		
BM	(30°-60°)	11.9	0.1	B0/220		
BH	(60°-80°)	24.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
2.5°	91.0	91.0	91.0	88.0	88.0	87.0	86.1	86.1	84.1	83.1	81.2
5°	137.9	135.0	128.1	124.2	116.4	111.5	106.6	99.8	92.9	88.0	82.2
7.5°	312.0	318.8	296.3	254.3	211.2	192.7	161.4	130.1	107.6	92.9	83.1
10°	795.1	791.2	714.9	630.8	487.0	429.3	336.4	212.2	138.9	101.7	84.1
12.5°	1352.6	1348.7	1258.7	1144.3	954.5	834.2	658.2	396.1	199.5	115.4	84.1
15°	1821.0	1805.4	1777.0	1663.6	1441.6	1340.8	1108.1	700.3	322.7	138.9	86.1
17.5°	2131.1	2117.4	2091.0	2049.9	1909.1	1789.7	1602.9	1100.3	522.3	180.0	90.0
20°	2415.7	2405.9	2384.4	2376.6	2285.6	2222.0	2067.5	1559.9	813.7	244.5	95.8
22.5°	2806.9	2786.3	2795.1	2748.2	2659.2	2582.9	2488.0	2041.1	1169.7	352.1	106.6
25°	3286.1	3276.3	3251.9	3218.6	3095.4	3028.9	2883.2	2494.9	1567.7	492.9	118.3
27.5°	3865.1	3854.3	3848.4	3772.2	3630.4	3558.0	3354.6	2923.3	2015.7	690.5	134.0
30°	4532.1	4537.0	4498.8	4401.0	4235.7	4134.0	3924.7	3372.2	2474.4	922.3	150.6
32.5°	5222.5	5212.8	5154.1	5038.7	4891.0	4796.1	4530.1	3864.1	2955.5	1228.4	170.2
35°	5966.8	5948.2	5793.7	5661.7	5535.5	5416.2	5173.6	4435.2	3436.7	1571.7	196.6
37.5°	6717.9	6630.9	6320.8	6153.6	6066.6	5968.8	5742.8	5044.5	3915.0	1955.0	228.9
40°	7285.2	7217.7	6849.9	6541.9	6472.4	6389.3	6221.1	5570.7	4423.5	2366.8	268.0
42.5°	7599.1	7561.9	7231.4	6927.2	6763.9	6690.5	6546.8	6030.4	4926.2	2821.5	324.7
45°	7733.1	7675.4	7454.3	7312.5	7052.4	6931.1	6760.0	6377.6	5451.4	3337.9	403.9
47.5°	7692.0	7658.8	7500.3	7552.1	7363.4	7174.6	6923.3	6643.6	5900.3	3930.6	512.5
50°	7433.8	7405.4	7356.5	7637.2	7613.8	7390.8	7134.5	6853.9	6267.1	4541.9	680.7
52.5°	6942.9	6931.1	7056.3	7570.7	7755.6	7581.5	7338.0	7039.7	6609.4	5180.5	921.3
55°	6310.1	6358.0	6716.0	7467.1	7827.9	7722.3	7517.9	7213.8	6884.2	5751.6	1276.3
57.5°	6049.9	6062.6	6509.6	7393.7	7860.2	7846.5	7693.0	7380.0	7136.5	6208.4	1818.1
60°	6354.1	6334.5	6570.2	7449.5	7924.8	7958.0	7848.5	7534.5	7355.6	6600.6	2539.9
62.5°	6903.7	6893.0	6968.3	7687.1	8113.5	8181.0	8064.6	7646.0	7549.2	6858.7	3363.4
65°	7394.7	7372.2	7512.1	8108.6	8445.1	8493.0	8391.3	7836.7	7634.3	7046.5	4137.0
67.5°	7606.9	7602.0	7827.0	8509.6	8793.2	8845.1	8756.1	8099.8	7614.7	7106.2	4478.3
70°	7510.1	7491.5	7851.4	8679.8	8989.8	9048.5	8962.4	8197.6	7402.5	6917.4	3972.7
71°	7403.5	7353.6	7778.1	8668.1	9017.2	9067.1	8916.5	8108.6	7189.3	6649.5	3514.0
72.5°	7072.9	7081.7	7576.6	8545.8	8951.7	8937.0	8656.3	7789.8	6932.1	6041.1	2822.5
75°	6259.2	6311.1	6924.3	8032.3	8366.8	8180.0	7750.7	7180.5	6415.7	4331.6	1959.9
77.5°	5115.0	5192.2	5866.1	7044.6	6949.7	6931.1	6913.5	6326.7	5478.8	2326.7	1363.3
80°	2442.1	2609.3	3538.4	5028.9	5463.1	5673.4	5541.4	5098.3	4236.7	1108.1	814.7
82.5°	159.4	157.5	223.0	422.5	1780.9	2302.2	3657.7	3644.0	2953.6	539.9	332.5
85°	75.3	77.3	85.1	96.8	112.5	123.2	170.2	997.6	1413.2	257.2	72.4
87.5°	44.0	45.0	52.8	67.5	88.0	97.8	116.4	149.6	183.9	141.8	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: P1048826

CATALOG NUMBER: GALN-SA4B-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
2.5°	80.2	79.2	76.3	73.4	70.4	68.5	67.5	68.5	68.5	69.4	69.4
5°	80.2	77.3	72.4	66.5	62.6	58.7	56.7	55.7	56.7	56.7	56.7
7.5°	79.2	74.3	67.5	60.6	55.7	50.9	48.9	47.9	47.9	48.9	48.9
10°	77.3	72.4	63.6	55.7	49.9	44.0	41.1	38.1	38.1	38.1	39.1
12.5°	76.3	69.4	58.7	50.9	43.0	36.2	30.3	27.4	28.4	28.4	28.4
15°	74.3	66.5	55.7	46.0	36.2	27.4	22.5	19.6	20.5	21.5	20.5
17.5°	74.3	65.5	51.8	40.1	28.4	20.5	16.6	14.7	14.7	15.6	15.6
20°	74.3	63.6	48.9	34.2	21.5	15.6	11.7	10.8	10.8	12.7	13.7
22.5°	76.3	63.6	45.0	28.4	17.6	11.7	8.8	7.8	8.8	10.8	11.7
25°	79.2	62.6	41.1	25.4	14.7	8.8	6.8	4.9	5.9	7.8	8.8
27.5°	82.2	61.6	37.2	22.5	11.7	6.8	4.9	3.9	2.9	3.9	3.9
30°	85.1	61.6	33.3	18.6	9.8	4.9	2.9	2.0	1.0	0.0	0.0
32.5°	87.0	59.7	30.3	14.7	7.8	3.9	2.0	1.0	0.0	0.0	0.0
35°	89.0	57.7	26.4	11.7	5.9	2.9	1.0	0.0	0.0	0.0	0.0
37.5°	91.0	54.8	22.5	9.8	4.9	2.0	0.0	0.0	0.0	0.0	0.0
40°	92.9	50.9	18.6	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	94.9	47.9	15.6	6.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	99.8	46.0	12.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	108.6	44.0	11.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	121.3	42.1	10.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	138.9	41.1	9.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	170.2	40.1	8.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	224.0	39.1	8.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	343.3	37.2	8.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	613.2	36.2	7.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1069.0	37.2	7.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1532.5	39.1	6.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1311.5	34.2	6.8	3.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
71°	1069.0	30.3	6.8	3.9	2.0	1.0	1.0	0.0	0.0	0.0	0.0
72.5°	687.5	23.5	5.9	3.9	2.0	2.0	1.0	0.0	0.0	0.0	0.0
75°	290.5	19.6	5.9	3.9	2.9	2.0	2.0	1.0	0.0	0.0	0.0
77.5°	124.2	14.7	5.9	4.9	3.9	2.9	2.9	2.0	1.0	0.0	0.0
80°	46.9	11.7	6.8	5.9	4.9	4.9	3.9	2.0	1.0	0.0	0.0
82.5°	21.5	9.8	6.8	5.9	5.9	4.9	3.9	2.9	2.0	0.0	0.0
85°	13.7	8.8	6.8	5.9	5.9	4.9	4.9	2.9	2.0	0.0	0.0
87.5°	10.8	8.8	6.8	6.8	5.9	5.9	3.9	2.9	1.0	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

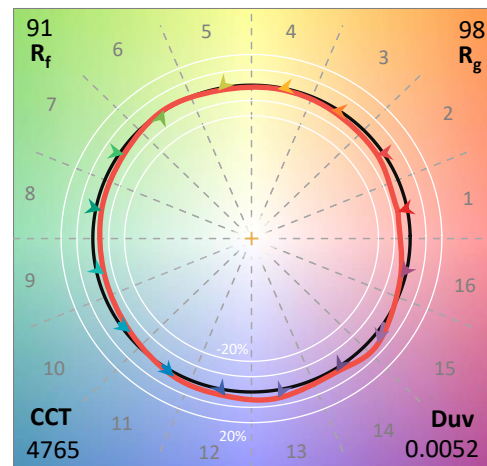
Test Information

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

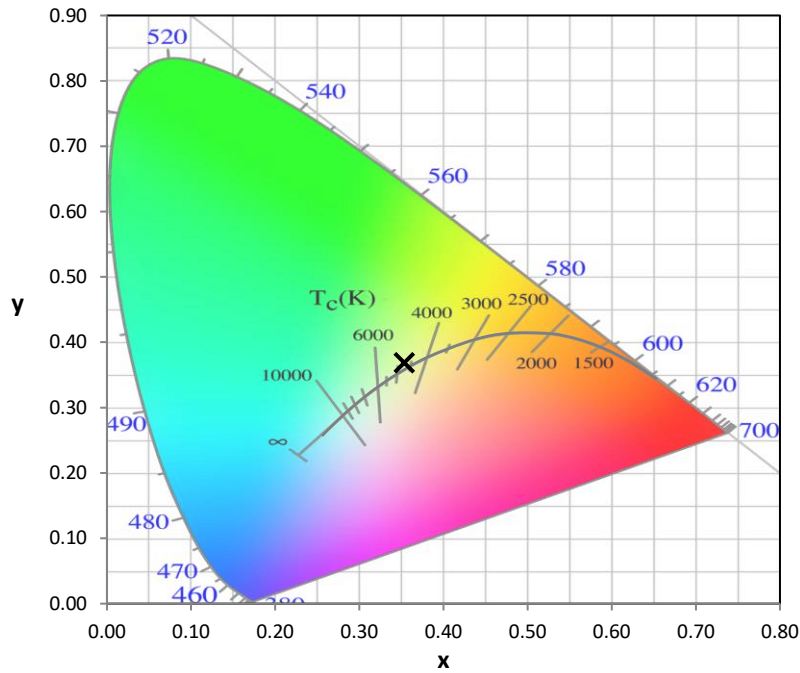
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

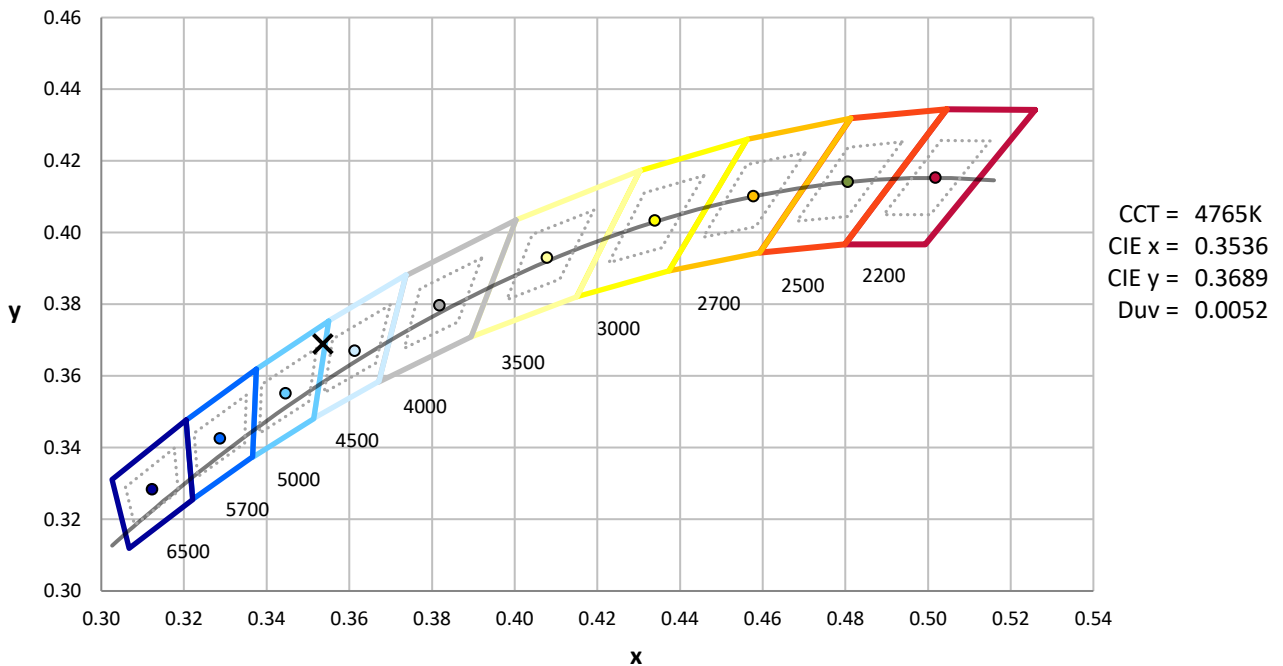
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



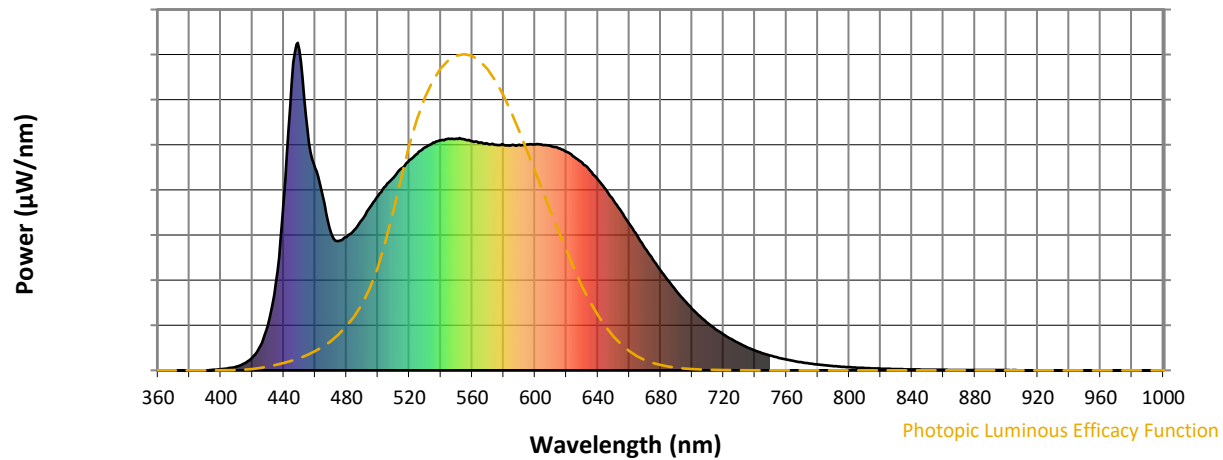
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

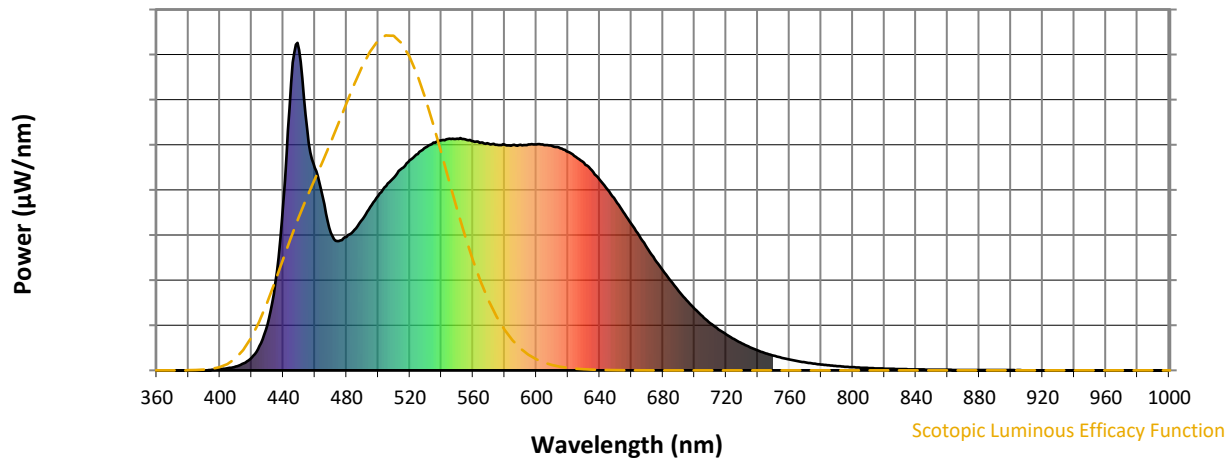


Photopic Lumens: NR

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



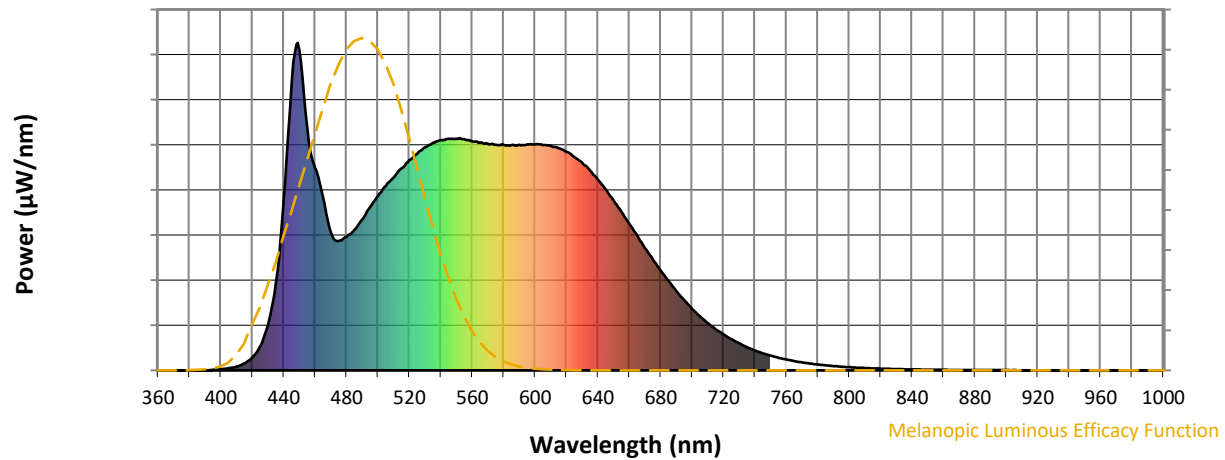
Scotopic Lumens: NR

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

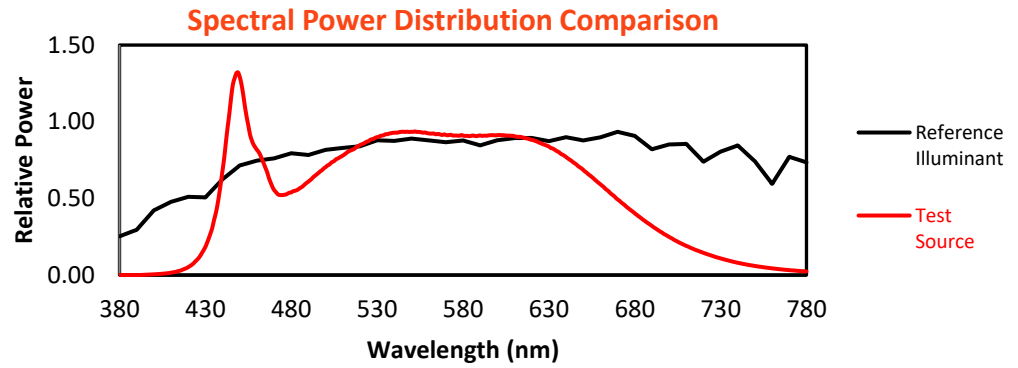
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533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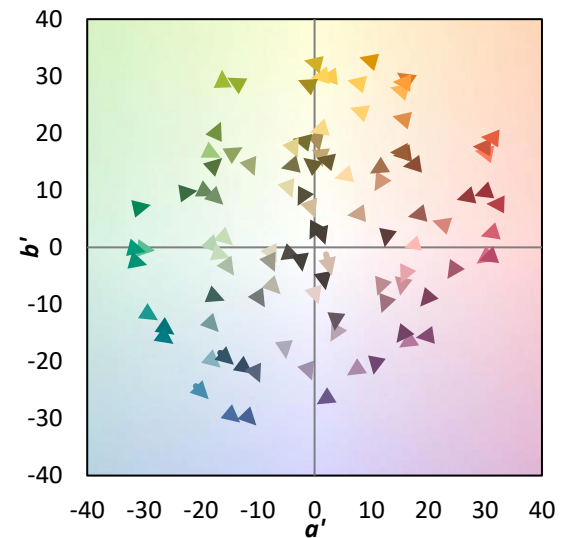
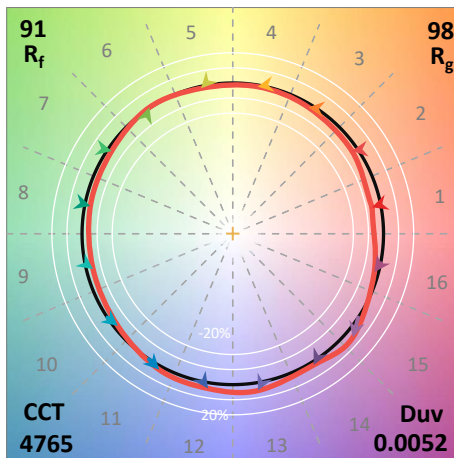
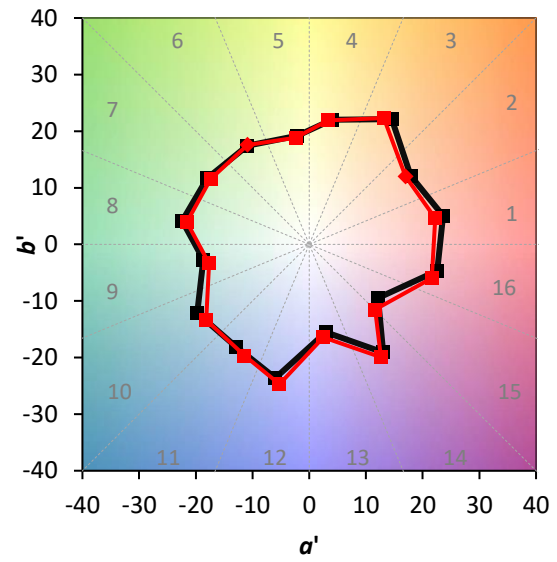
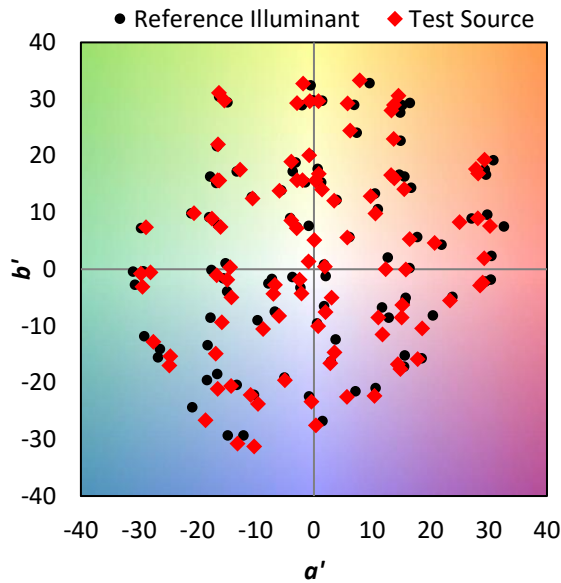
TM-30-18

Summary

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

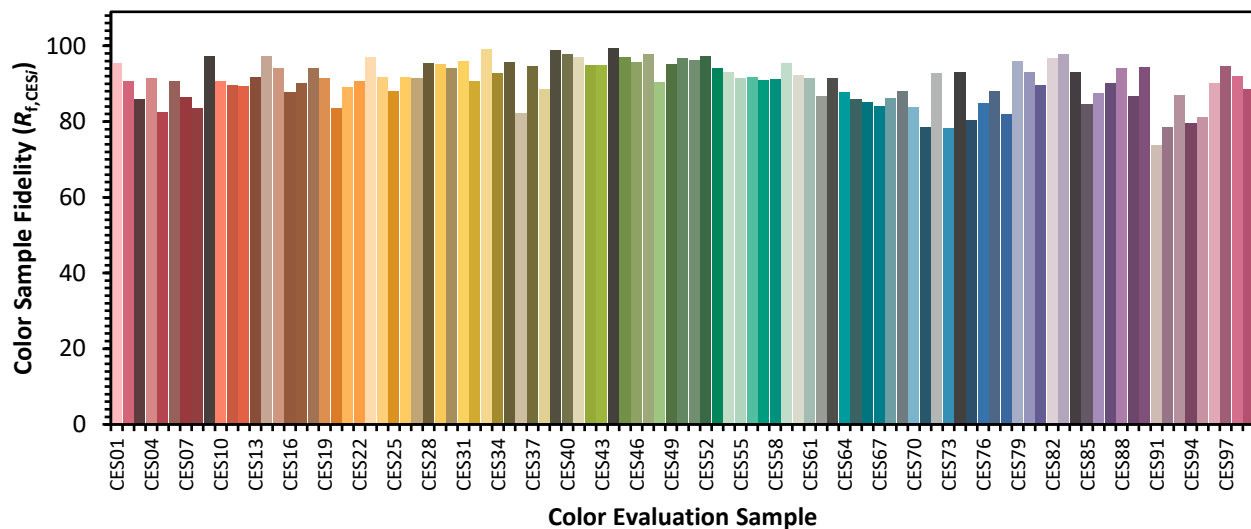


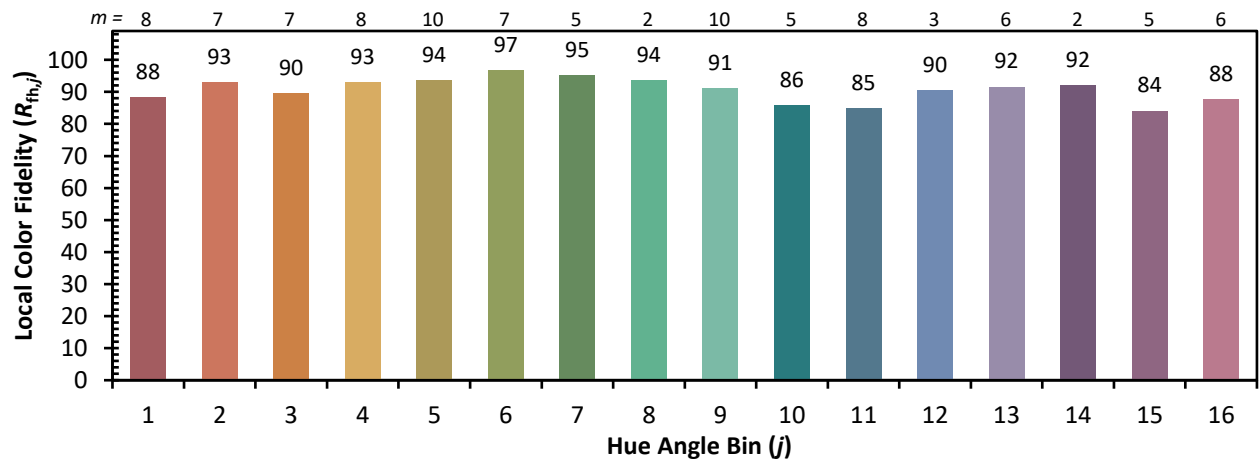
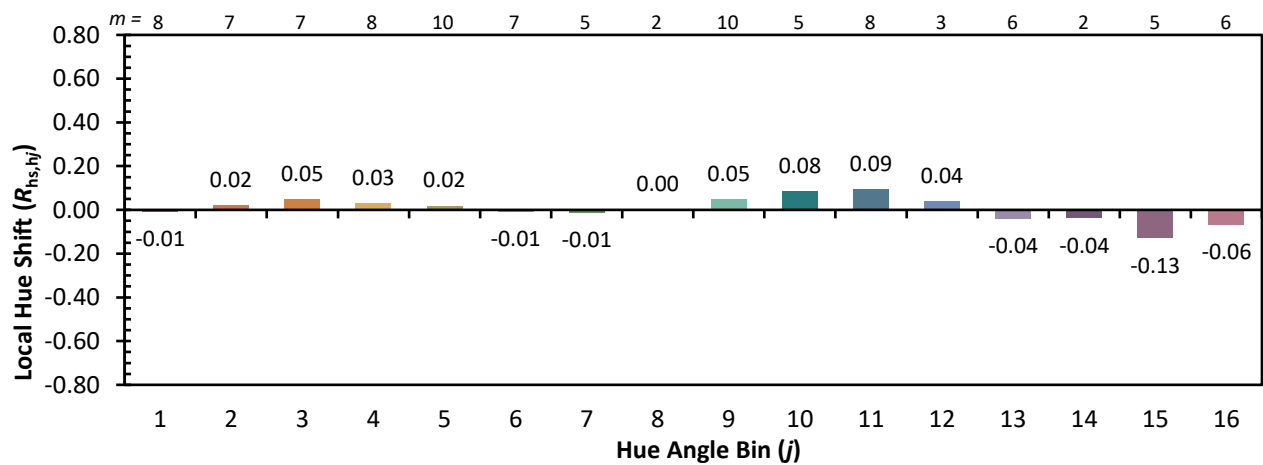
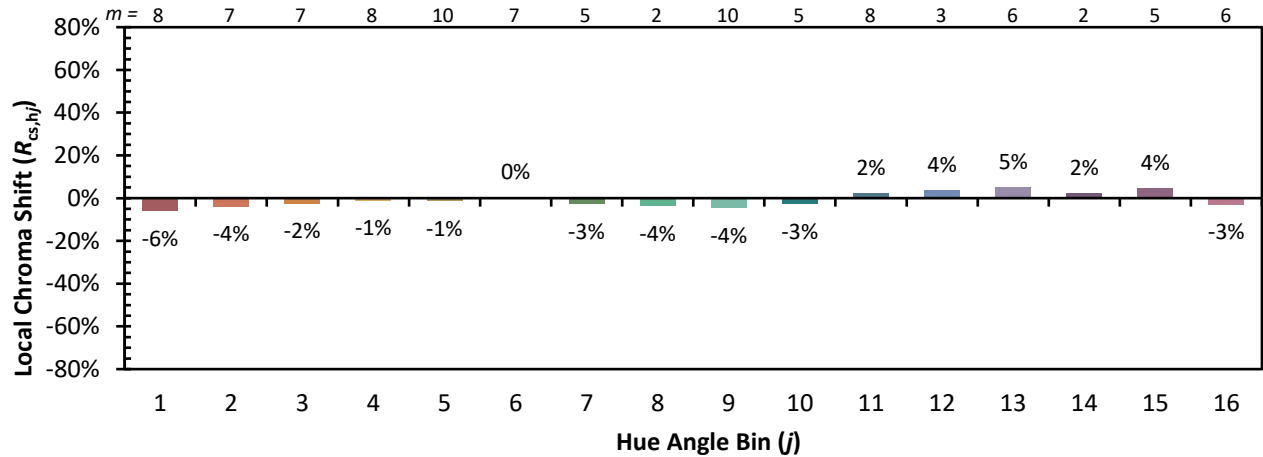
Color Vector Graphics



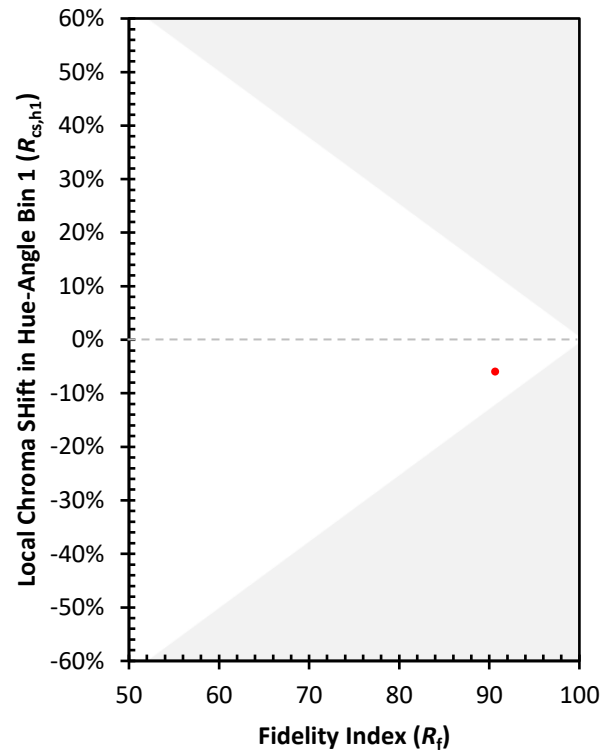
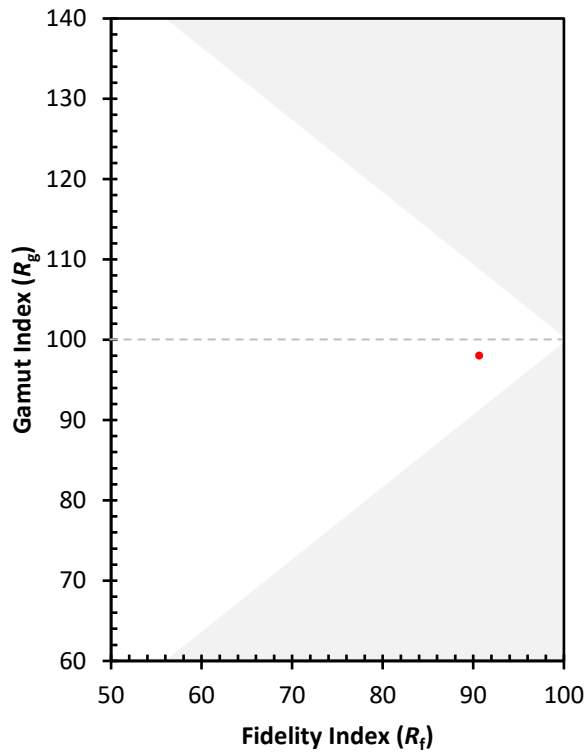
Individual Sample Fidelity Index ($R_{f,i}$)

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)