

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: P1048681

Luminaire Tested: **GALN-SA4A-927-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048681
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-927-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
90CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9234.1 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107.4
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

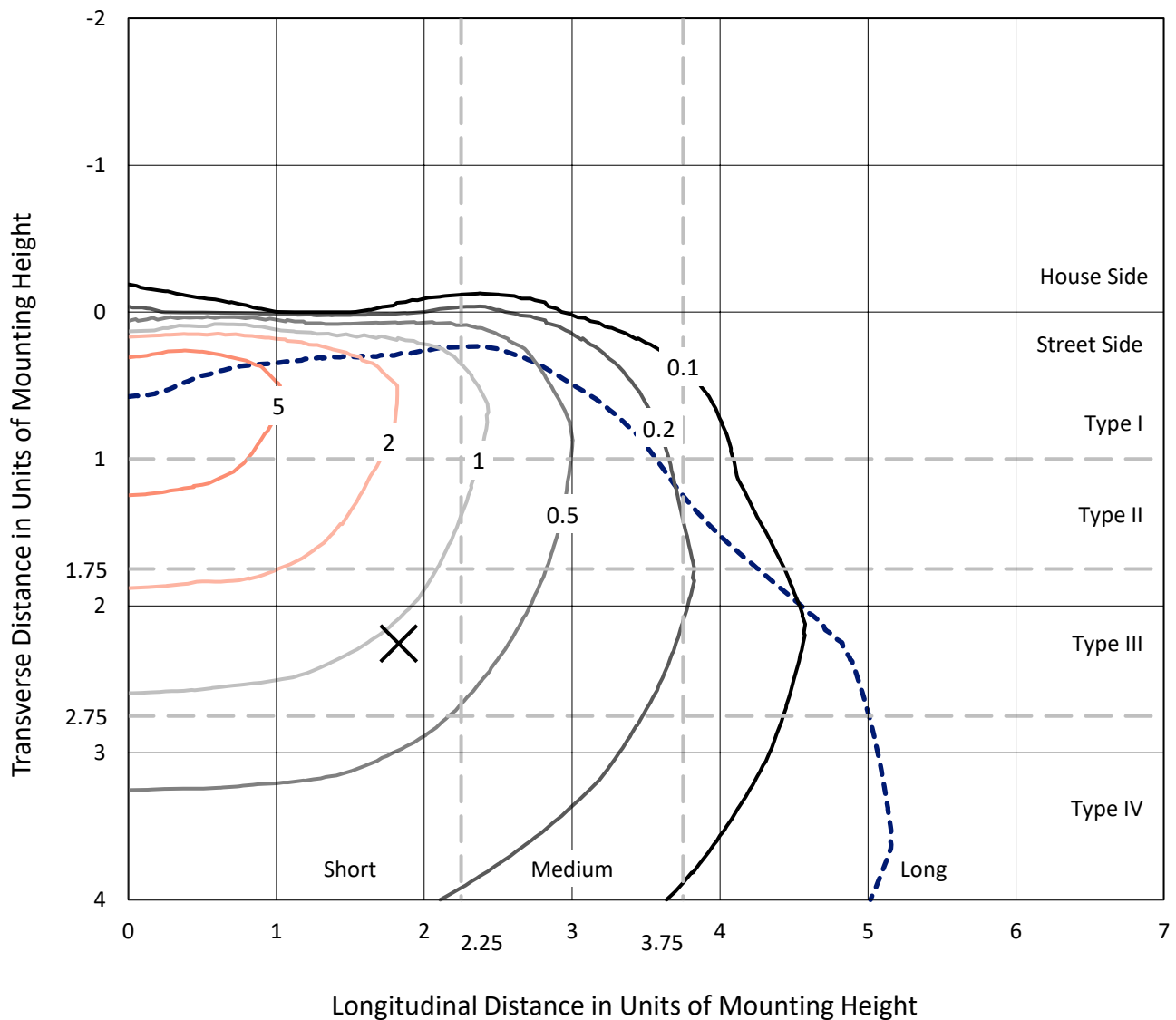


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

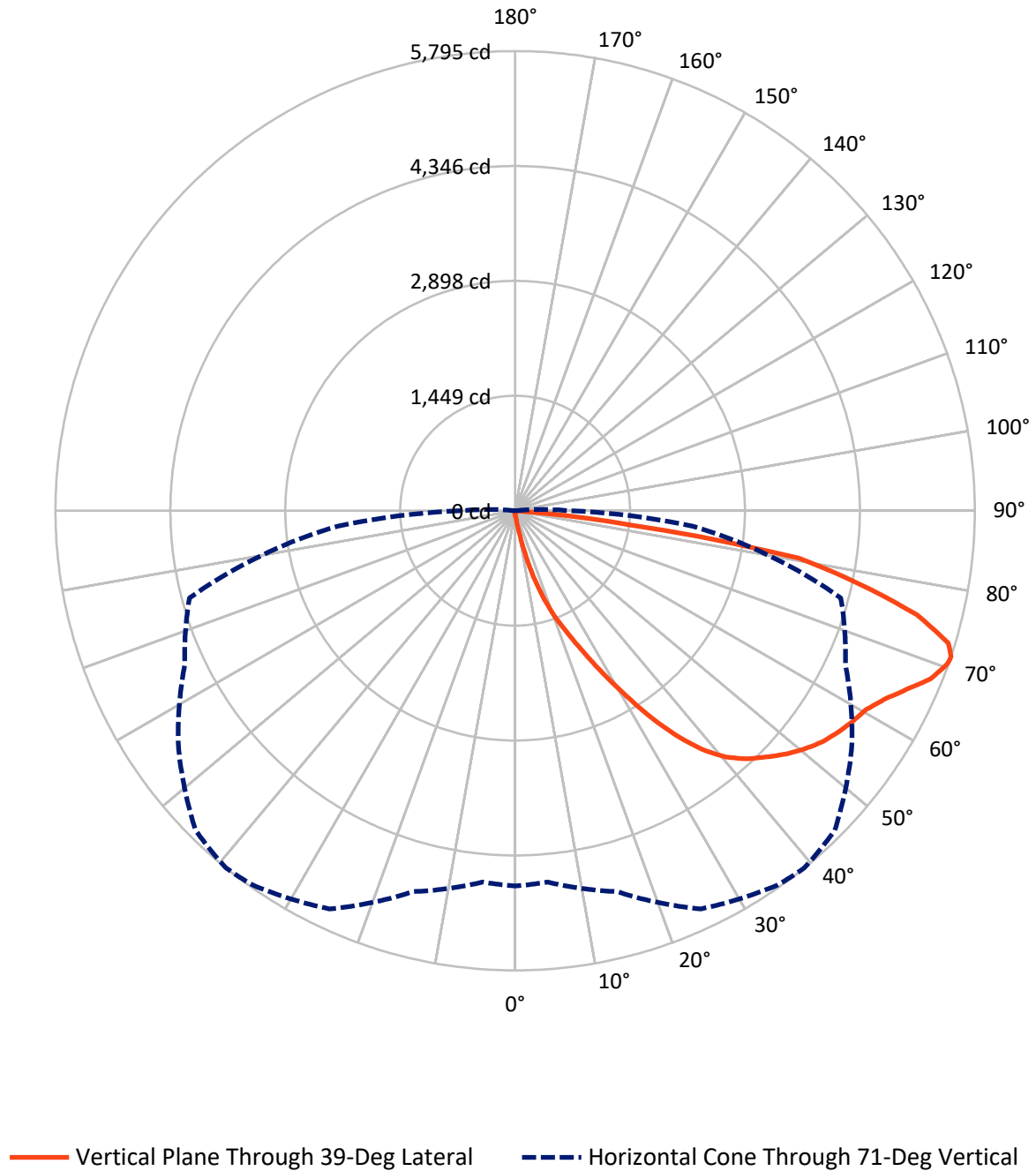


Based on 15 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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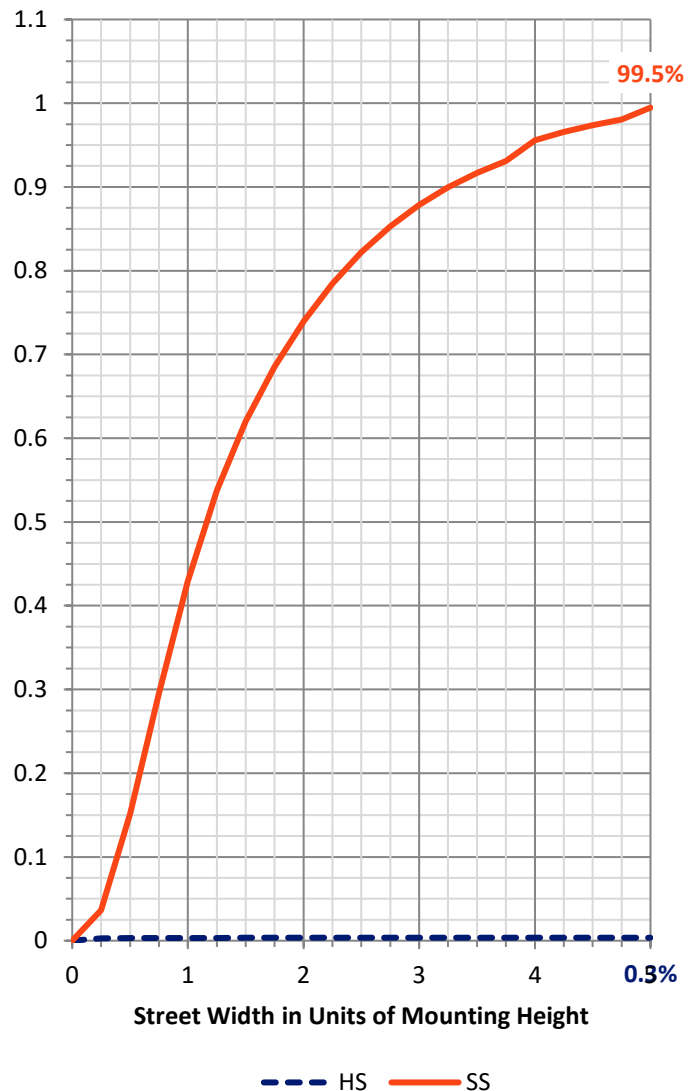
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32.8	0.0	32.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	9201.2	0.0	9201.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	9234.1	0.0	9234.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	98.7	1.1
20°-30°	351.5	3.8
30°-40°	847.1	9.2
40°-50°	1417.7	15.4
50°-60°	1820.8	19.7
60°-70°	2304.2	25.0
70°-80°	2054.3	22.2
80°-90°	332.1	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°	9234.1	100.0
0°-180°	9234.1	100.0



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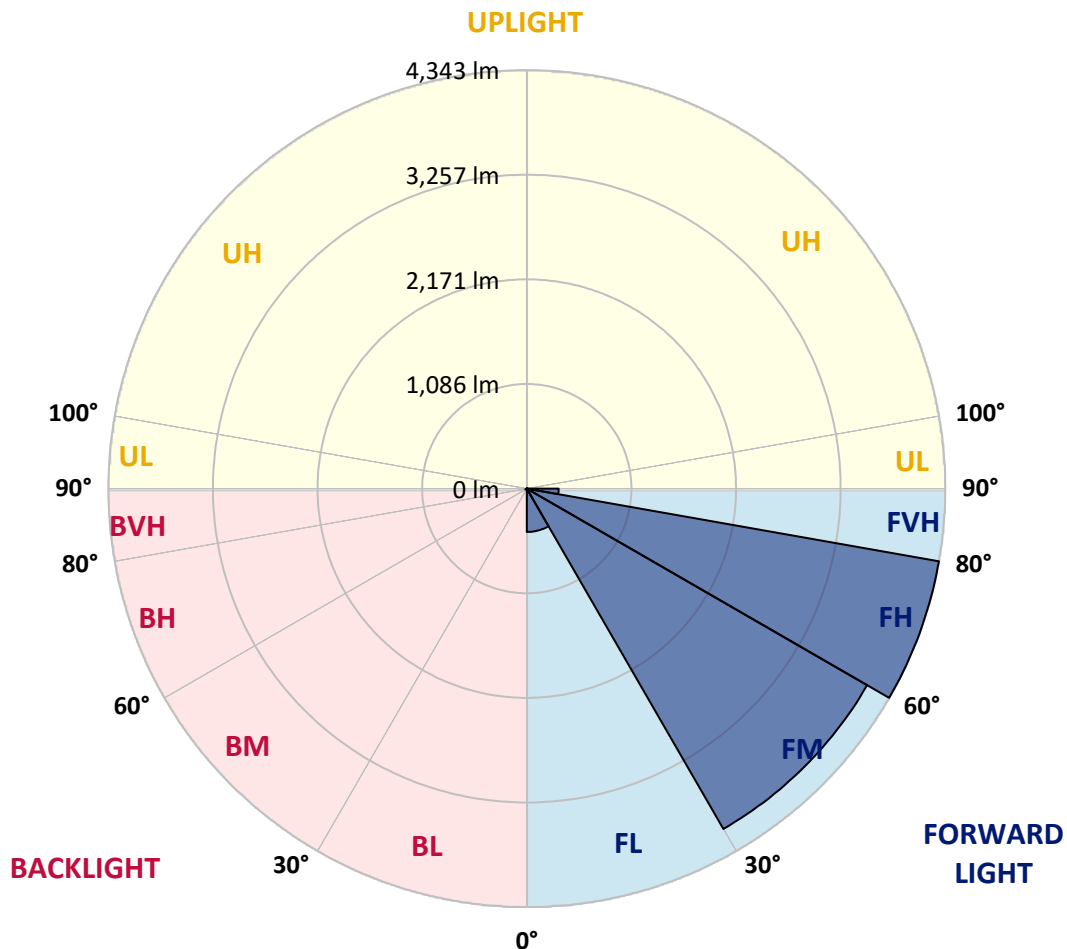
CATALOG NUMBER: GALN-SA4A-927-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	449.9	4.9			
FM	(30°-60°)	4077.9	44.2			
FH	(60°-80°)	4342.8	47.0			G2/5000
FVH	(80°-90°)	330.6	3.6			G3/500
BL	(0°-30°)	7.9	0.1	B0/110		
BM	(30°-60°)	7.6	0.1	B0/220		
BH	(60°-80°)	15.8	0.2	B0/110		G0/110
BVH	(80°-90°)	1.5	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
2.5°	58.1	58.1	58.1	56.3	56.3	55.6	55.0	55.0	53.8	53.1	51.9
5°	88.1	86.3	81.9	79.4	74.4	71.3	68.1	63.8	59.4	56.3	52.5
7.5°	199.4	203.8	189.4	162.5	135.0	123.1	103.1	83.1	68.8	59.4	53.1
10°	508.2	505.7	456.9	403.2	311.3	274.4	215.0	135.6	88.8	65.0	53.8
12.5°	864.5	862.0	804.5	731.4	610.1	533.2	420.7	253.2	127.5	73.8	53.8
15°	1163.9	1153.9	1135.8	1063.3	921.4	857.0	708.2	447.6	206.3	88.8	55.0
17.5°	1362.1	1353.3	1336.5	1310.2	1220.2	1143.9	1024.5	703.2	333.8	115.0	57.5
20°	1544.0	1537.7	1524.0	1519.0	1460.8	1420.2	1321.5	997.0	520.1	156.3	61.3
22.5°	1794.0	1780.9	1786.5	1756.5	1699.6	1650.9	1590.2	1304.6	747.6	225.0	68.1
25°	2100.3	2094.1	2078.4	2057.2	1978.4	1935.9	1842.8	1594.6	1002.0	315.0	75.6
27.5°	2470.4	2463.5	2459.8	2411.0	2320.4	2274.1	2144.1	1868.4	1288.3	441.3	85.6
30°	2896.7	2899.8	2875.4	2812.9	2707.3	2642.3	2508.5	2155.3	1581.5	589.5	96.3
32.5°	3338.0	3331.8	3294.3	3220.5	3126.1	3065.5	2895.4	2469.8	1889.0	785.1	108.8
35°	3813.7	3801.8	3703.1	3618.7	3538.0	3461.8	3306.8	2834.8	2196.6	1004.5	125.6
37.5°	4293.8	4238.1	4040.0	3933.1	3877.5	3815.0	3670.6	3224.2	2502.3	1249.6	146.3
40°	4656.3	4613.2	4378.2	4181.3	4136.9	4083.7	3976.2	3560.5	2827.3	1512.7	171.3
42.5°	4857.0	4833.2	4622.0	4427.6	4323.2	4276.3	4184.4	3854.3	3148.6	1803.4	207.5
45°	4942.6	4905.7	4764.5	4673.8	4507.6	4430.1	4320.7	4076.2	3484.3	2133.5	258.2
47.5°	4916.4	4895.1	4793.9	4827.0	4706.3	4585.7	4425.1	4246.3	3771.2	2512.3	327.6
50°	4751.4	4733.2	4702.0	4881.4	4866.4	4723.8	4560.1	4380.7	4005.6	2902.9	435.1
52.5°	4437.6	4430.1	4510.1	4838.9	4957.0	4845.7	4690.1	4499.4	4224.4	3311.1	588.8
55°	4033.1	4063.7	4292.5	4772.6	5003.3	4935.8	4805.1	4610.7	4400.0	3676.2	815.7
57.5°	3866.8	3875.0	4160.6	4725.7	5023.9	5015.1	4917.0	4717.0	4561.3	3968.1	1162.1
60°	4061.2	4048.7	4199.4	4761.4	5065.1	5086.4	5016.4	4815.7	4701.3	4218.8	1623.4
62.5°	4412.5	4405.7	4453.8	4913.3	5185.8	5228.9	5154.5	4887.0	4825.1	4383.8	2149.7
65°	4726.3	4712.0	4801.4	5182.7	5397.7	5428.3	5363.3	5008.9	4879.5	4503.8	2644.2
67.5°	4862.0	4858.9	5002.6	5439.0	5620.2	5653.4	5596.5	5177.0	4867.0	4541.9	2862.3
70°	4800.1	4788.2	5018.3	5547.7	5745.9	5783.4	5728.4	5239.5	4731.3	4421.3	2539.1
71°	4732.0	4700.1	4971.4	5540.2	5763.4	5795.3	5699.0	5182.7	4595.1	4250.0	2246.0
72.5°	4520.7	4526.3	4842.6	5462.1	5721.5	5712.1	5532.7	4978.9	4430.7	3861.2	1804.0
75°	4000.6	4033.7	4425.7	5133.9	5347.7	5228.3	4953.9	4589.5	4100.6	2768.5	1252.7
77.5°	3269.2	3318.6	3749.3	4502.6	4441.9	4430.1	4418.8	4043.7	3501.8	1487.1	871.4
80°	1560.9	1667.8	2261.6	3214.2	3491.8	3626.2	3541.8	3258.6	2707.9	708.2	520.7
82.5°	101.9	100.6	142.5	270.0	1138.3	1471.5	2337.9	2329.1	1887.8	345.1	212.5
85°	48.1	49.4	54.4	61.9	71.9	78.8	108.8	637.6	903.3	164.4	46.3
87.5°	28.1	28.8	33.8	43.1	56.3	62.5	74.4	95.6	117.5	90.6	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SA4A-927-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
2.5°	51.3	50.6	48.8	46.9	45.0	43.8	43.1	43.8	43.8	44.4	44.4
5°	51.3	49.4	46.3	42.5	40.0	37.5	36.3	35.6	36.3	36.3	36.3
7.5°	50.6	47.5	43.1	38.8	35.6	32.5	31.3	30.6	30.6	31.3	31.3
10°	49.4	46.3	40.6	35.6	31.9	28.1	26.3	24.4	24.4	24.4	25.0
12.5°	48.8	44.4	37.5	32.5	27.5	23.1	19.4	17.5	18.1	18.1	18.1
15°	47.5	42.5	35.6	29.4	23.1	17.5	14.4	12.5	13.1	13.8	13.1
17.5°	47.5	41.9	33.1	25.6	18.1	13.1	10.6	9.4	9.4	10.0	10.0
20°	47.5	40.6	31.3	21.9	13.8	10.0	7.5	6.9	6.9	8.1	8.8
22.5°	48.8	40.6	28.8	18.1	11.3	7.5	5.6	5.0	5.6	6.9	7.5
25°	50.6	40.0	26.3	16.3	9.4	5.6	4.4	3.1	3.8	5.0	5.6
27.5°	52.5	39.4	23.8	14.4	7.5	4.4	3.1	2.5	1.9	2.5	2.5
30°	54.4	39.4	21.3	11.9	6.3	3.1	1.9	1.3	0.6	0.0	0.0
32.5°	55.6	38.1	19.4	9.4	5.0	2.5	1.3	0.6	0.0	0.0	0.0
35°	56.9	36.9	16.9	7.5	3.8	1.9	0.6	0.0	0.0	0.0	0.0
37.5°	58.1	35.0	14.4	6.3	3.1	1.3	0.0	0.0	0.0	0.0	0.0
40°	59.4	32.5	11.9	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	60.6	30.6	10.0	4.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	63.8	29.4	8.1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	69.4	28.1	7.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	77.5	26.9	6.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	88.8	26.3	6.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	108.8	25.6	5.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	143.1	25.0	5.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	219.4	23.8	5.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	391.9	23.1	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	683.2	23.8	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	979.5	25.0	4.4	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	838.3	21.9	4.4	2.5	1.3	0.6	0.0	0.0	0.0	0.0	0.0
71°	683.2	19.4	4.4	2.5	1.3	0.6	0.6	0.0	0.0	0.0	0.0
72.5°	439.4	15.0	3.8	2.5	1.3	1.3	0.6	0.0	0.0	0.0	0.0
75°	185.7	12.5	3.8	2.5	1.9	1.3	1.3	0.6	0.0	0.0	0.0
77.5°	79.4	9.4	3.8	3.1	2.5	1.9	1.9	1.3	0.6	0.0	0.0
80°	30.0	7.5	4.4	3.8	3.1	3.1	2.5	1.3	0.6	0.0	0.0
82.5°	13.8	6.3	4.4	3.8	3.8	3.1	2.5	1.9	1.3	0.0	0.0
85°	8.8	5.6	4.4	3.8	3.8	3.1	3.1	1.9	1.3	0.0	0.0
87.5°	6.9	5.6	4.4	4.4	3.8	3.8	2.5	1.9	0.6	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-13

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-927-U-5WQ

Data in this report applies to families of products including GSS-SB1A-927-U-5WQ

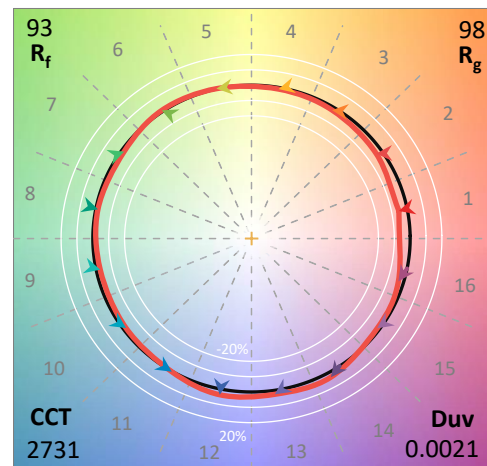
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-13
 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-927-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2731
 CIE u' : 0.2605
 CIE v' : 0.5298
 Duv: 0.0021
 CIE x: 0.4610
 CIE y: 0.4166
 CIE z: 0.1224
 Peak Wavelength (nm): 622
 Dominant Wavelength (nm): 583
 Purity: 63.43685
 R_f: 92.6
 R_g: 98

CRI (Ra): 91.8
 R1: 91.4
 R2: 95.1
 R3: 97.6
 R4: 92.3
 R5: 91.1
 R6: 94.7
 R7: 92.3
 R8: 80.0
 R9: 54.7
 R10: 87.7
 R11: 92.9
 R12: 84.0
 R13: 92.2
 R14: 97.8
 R15: 86.8



Test Conditions

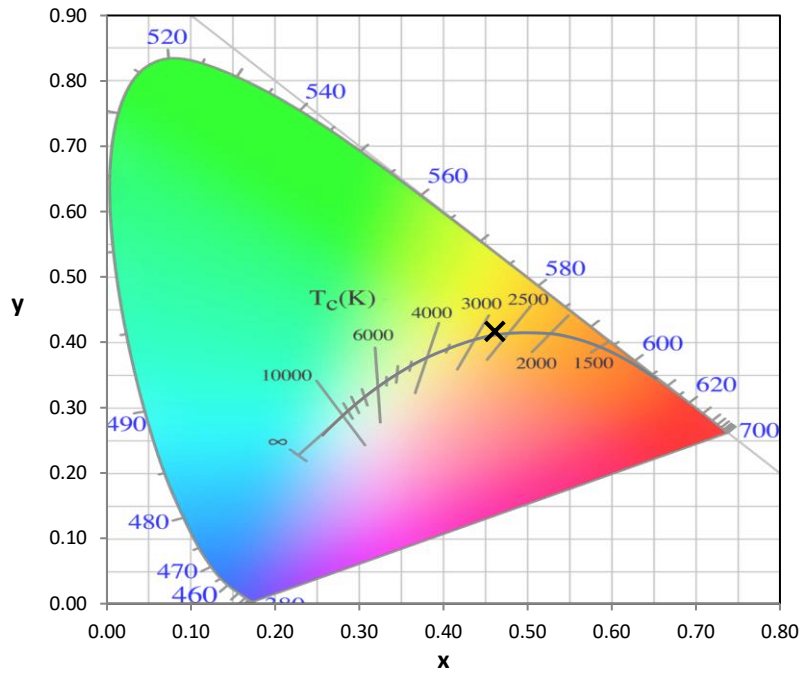
Stabilization Time: M
 Operation Time: 1H 0M
 Sphere Temperature (°C): 25.2

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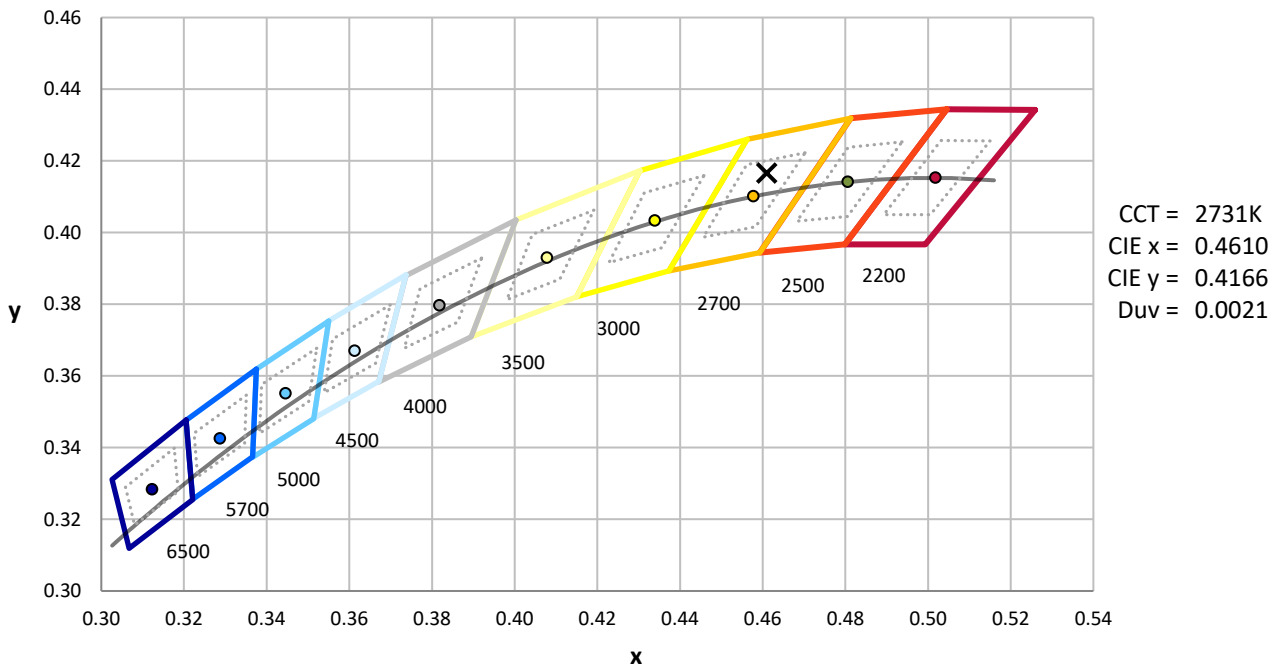
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

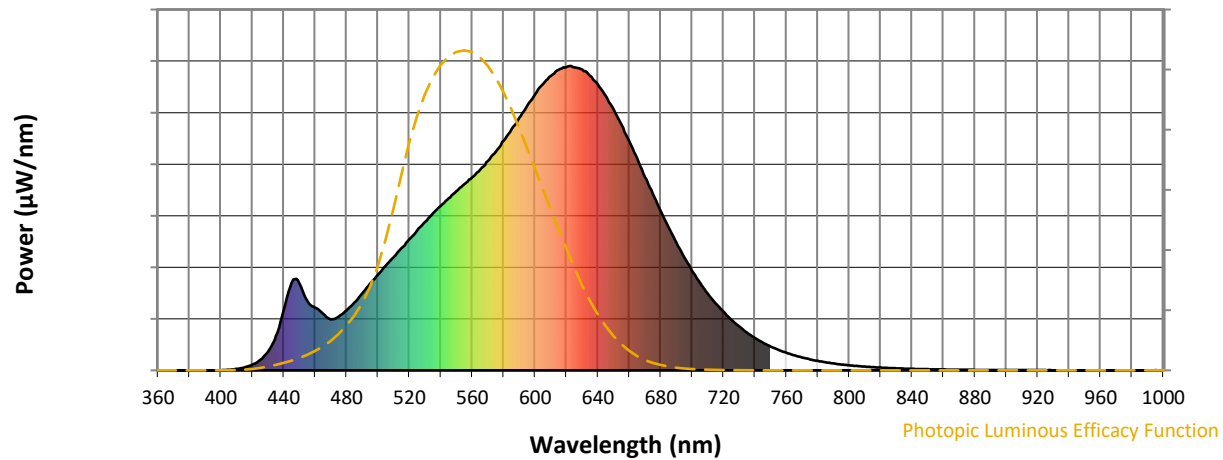


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

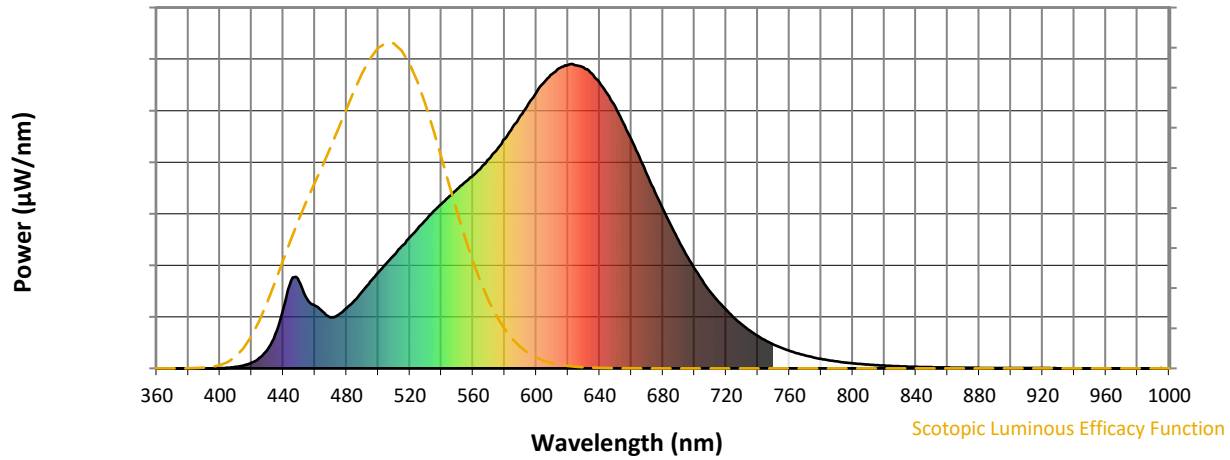


Photopic Lumens: NR

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



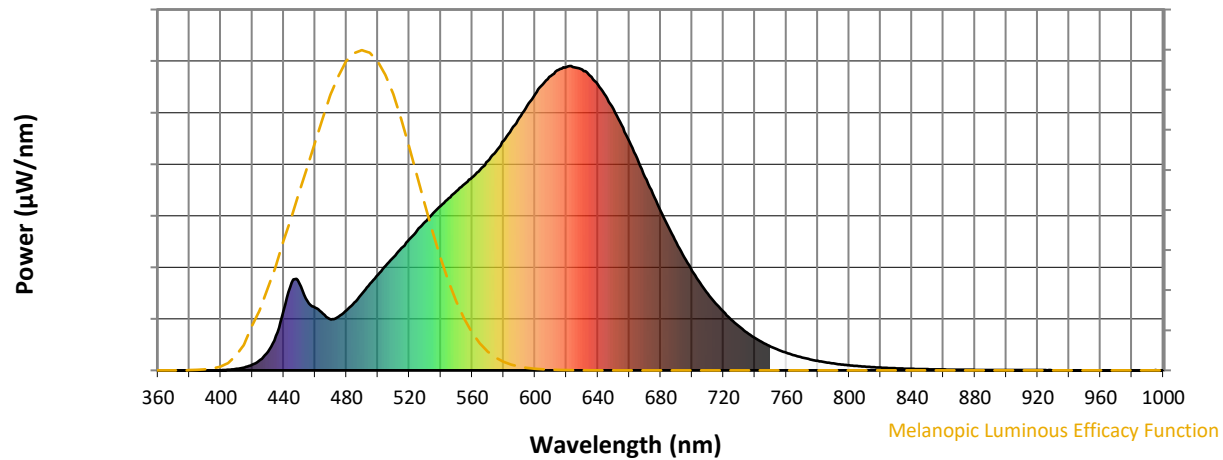
Scotopic Lumens: NR

S/P: 1.27

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.38

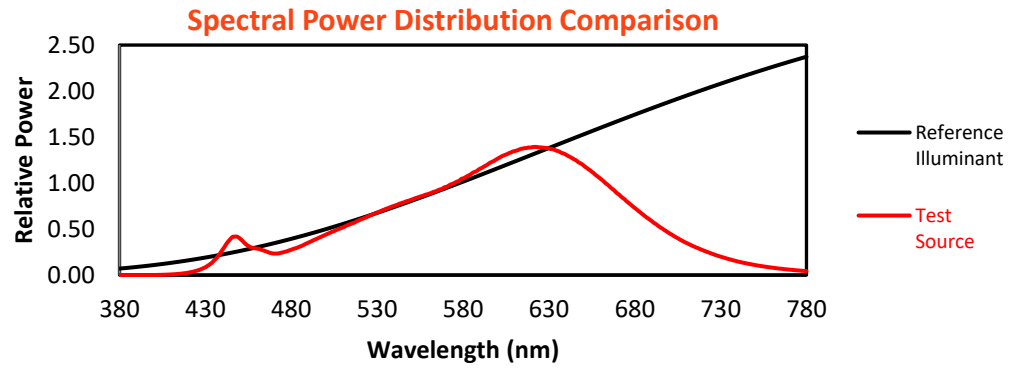
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

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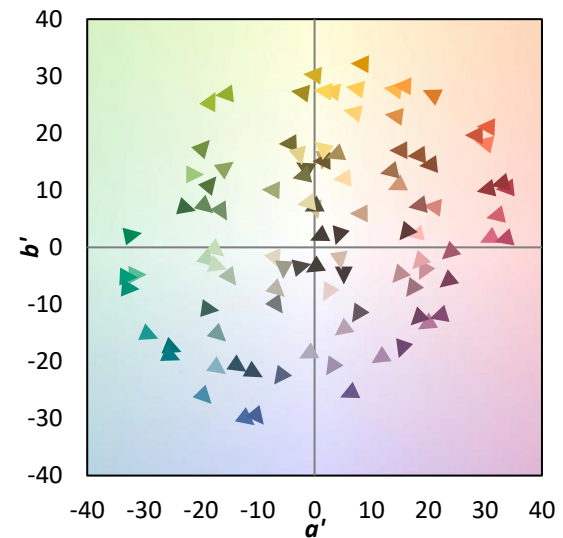
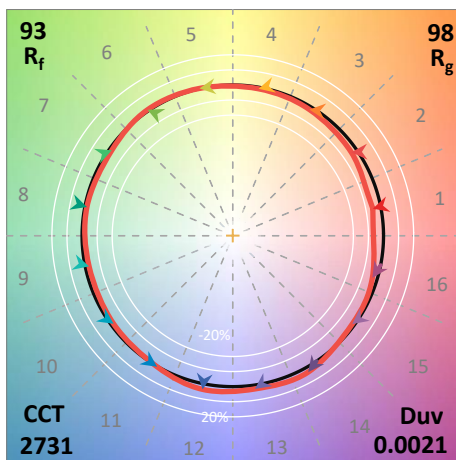
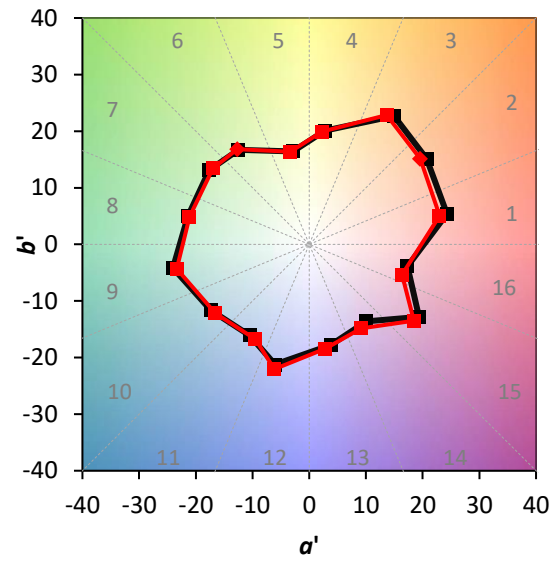
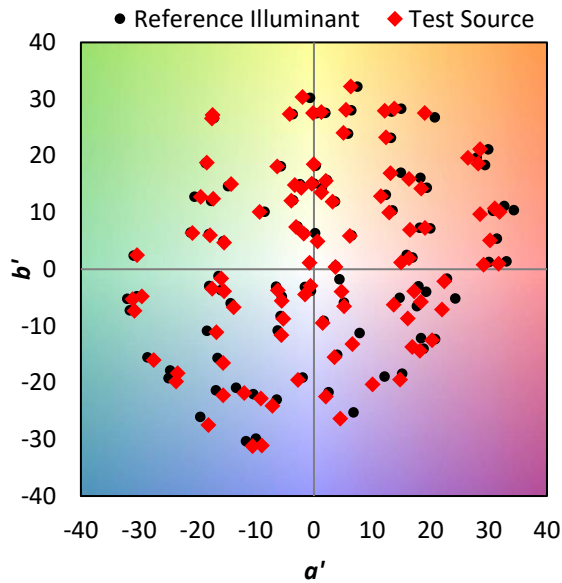
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98$
 $CIE R_a = 91.8$
 $R_9 = 54.7$

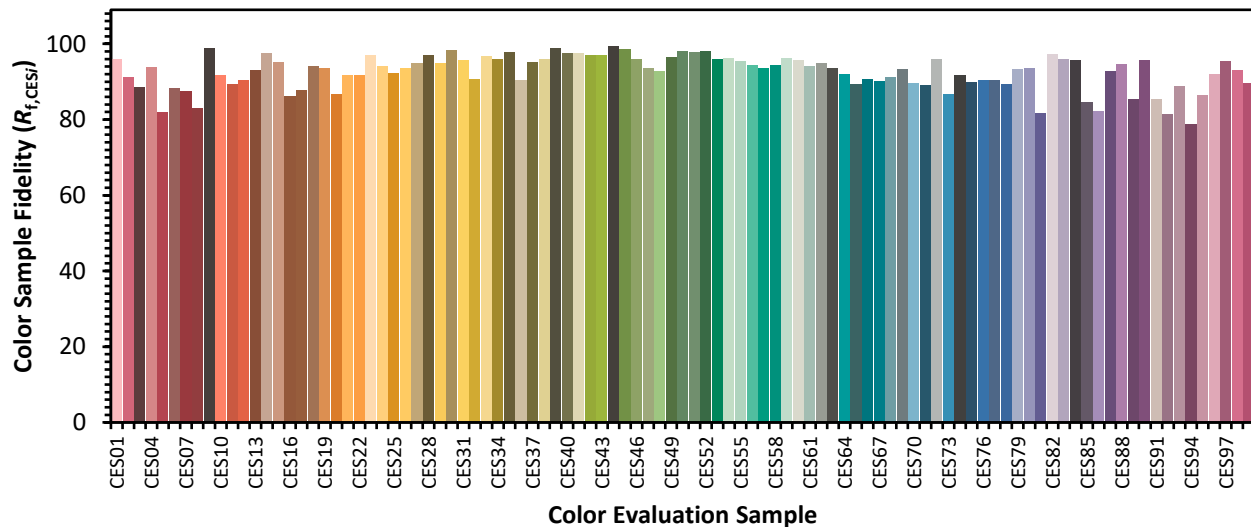


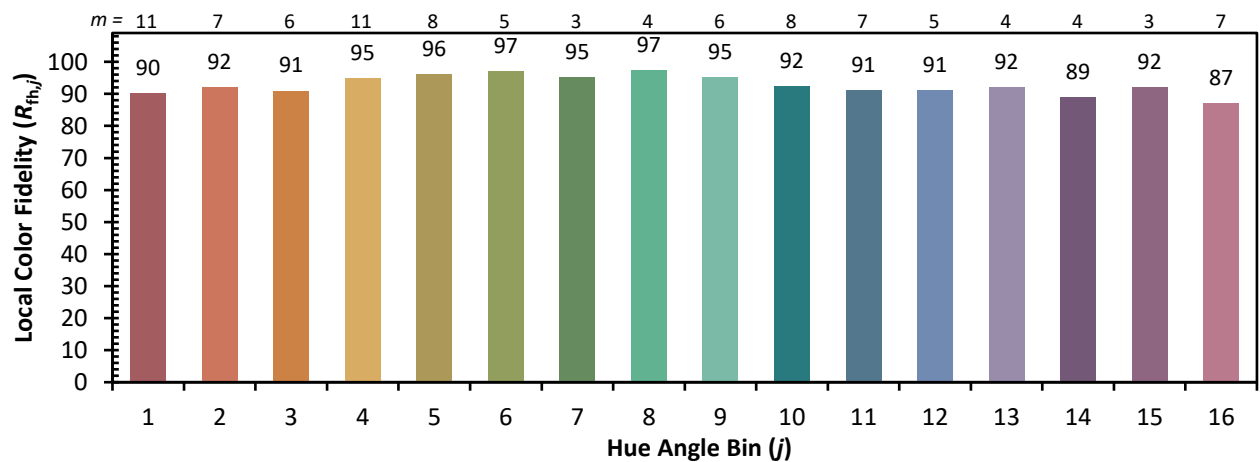
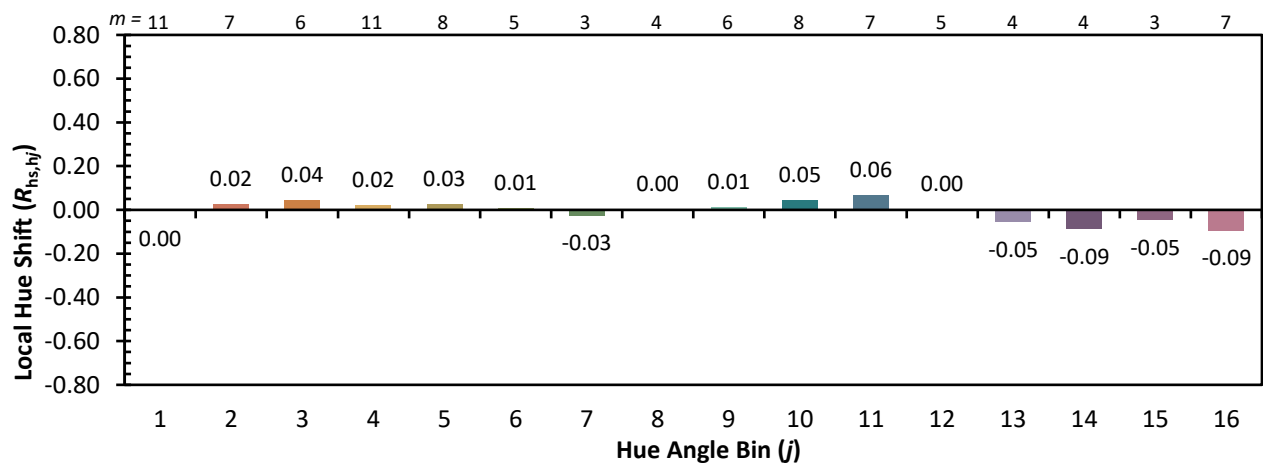
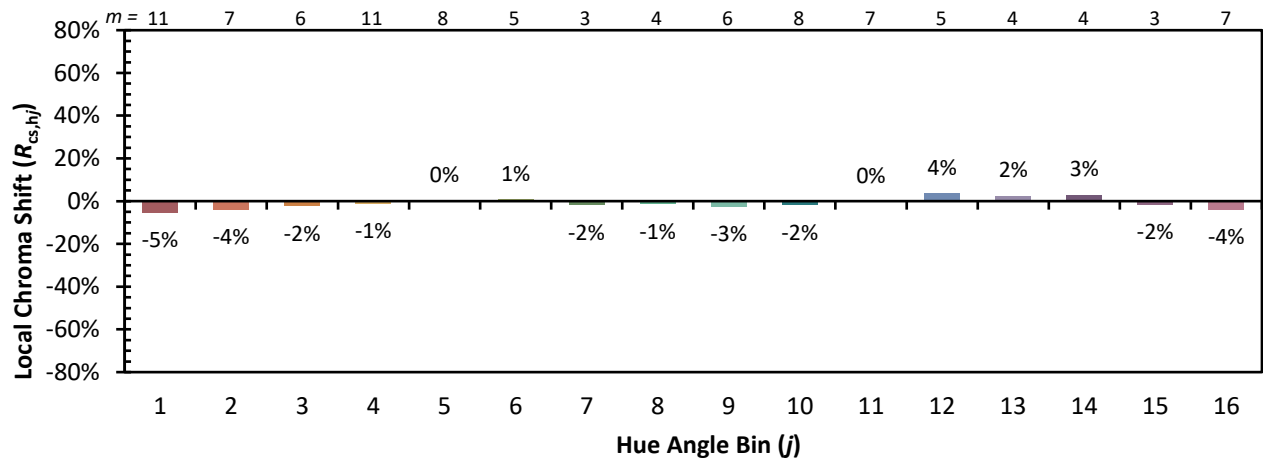
Color Vector Graphics



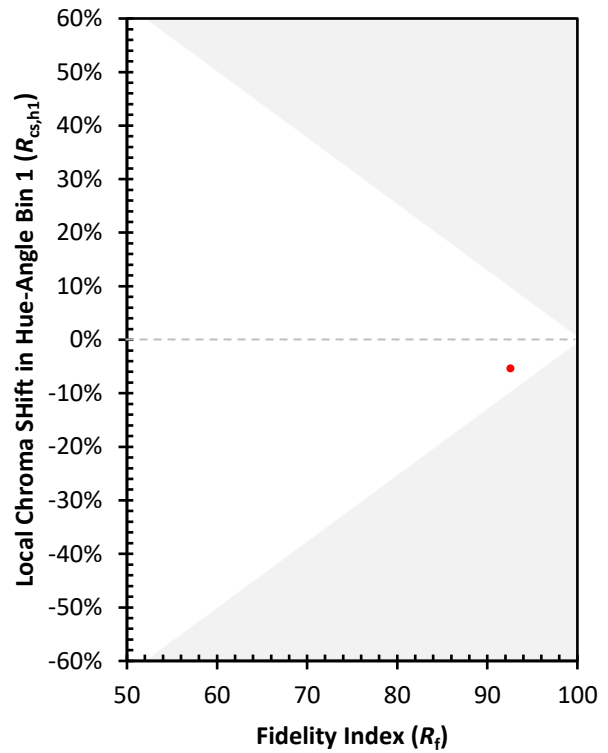
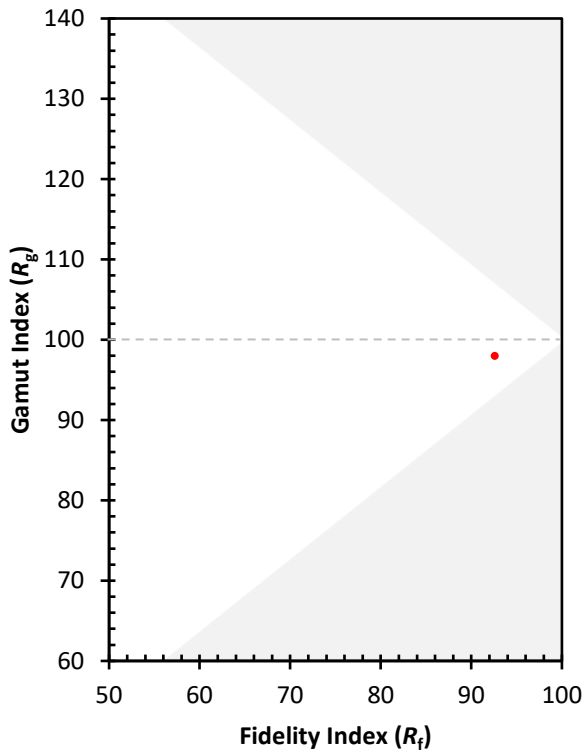
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 64	CES27 = 95	CES52 = 98	CES77 = 90
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 89
CES04 = 71	CES29 = 95	CES54 = 96	CES79 = 93
CES05 = 51	CES30 = 98	CES55 = 95	CES80 = 94
CES06 = 52	CES31 = 96	CES56 = 94	CES81 = 82
CES07 = 44	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 43	CES33 = 97	CES58 = 94	CES83 = 96
CES09 = 29	CES34 = 96	CES59 = 96	CES84 = 96
CES10 = 77	CES35 = 98	CES60 = 96	CES85 = 85
CES11 = 59	CES36 = 90	CES61 = 94	CES86 = 82
CES12 = 66	CES37 = 95	CES62 = 95	CES87 = 93
CES13 = 44	CES38 = 96	CES63 = 94	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 85
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 91	CES91 = 85
CES17 = 50	CES42 = 97	CES67 = 90	CES92 = 82
CES18 = 57	CES43 = 97	CES68 = 91	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 93	CES94 = 79
CES20 = 68	CES45 = 99	CES70 = 90	CES95 = 87
CES21 = 87	CES46 = 96	CES71 = 89	CES96 = 92
CES22 = 79	CES47 = 94	CES72 = 96	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 87	CES98 = 93
CES24 = 91	CES49 = 96	CES74 = 92	CES99 = 90
CES25 = 72	CES50 = 98	CES75 = 90	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)