

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: P1047525

Luminaire Tested: **GALN-SA3A-935-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047525
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-935-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
90CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8415.1 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 81.4
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

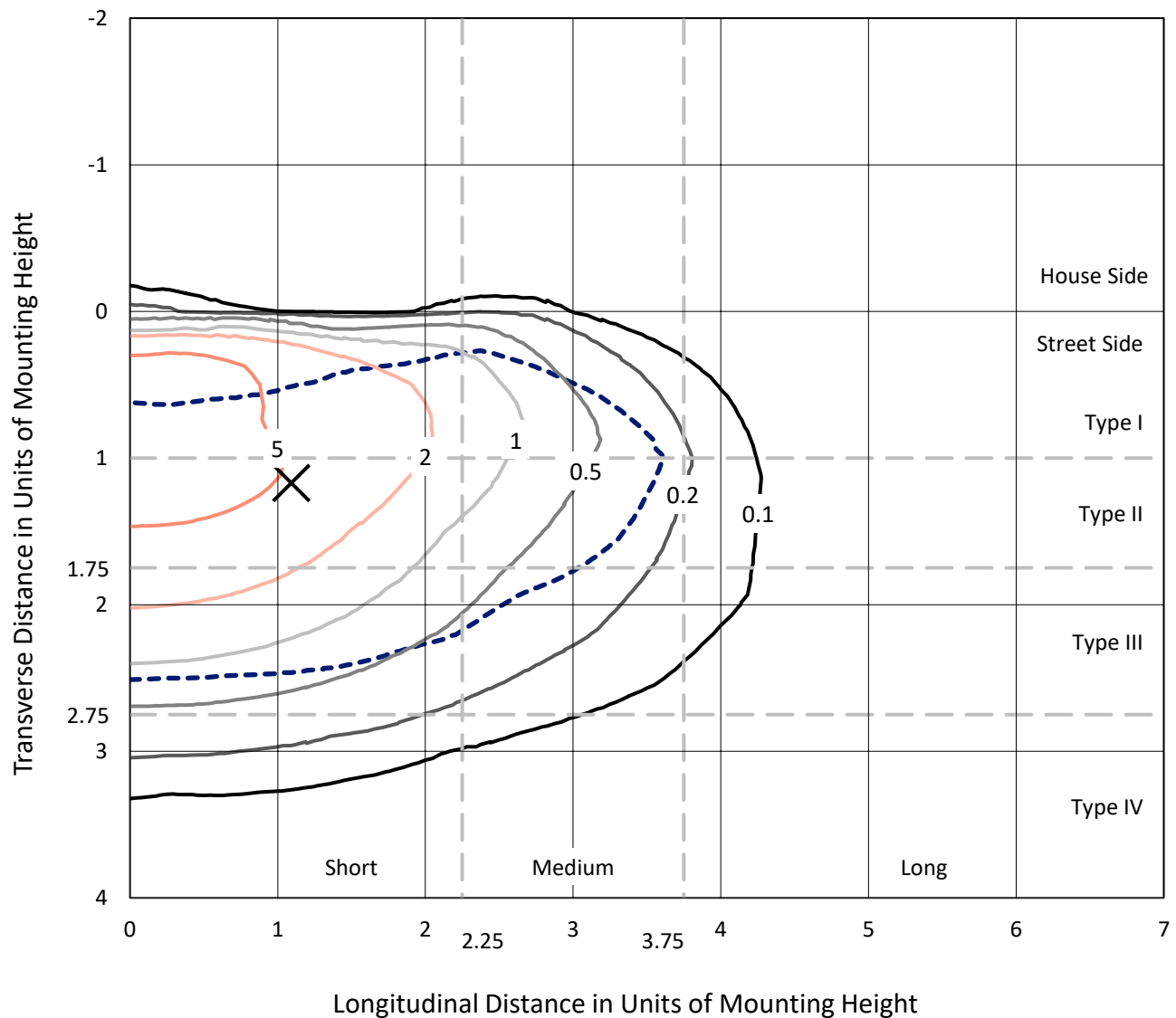


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

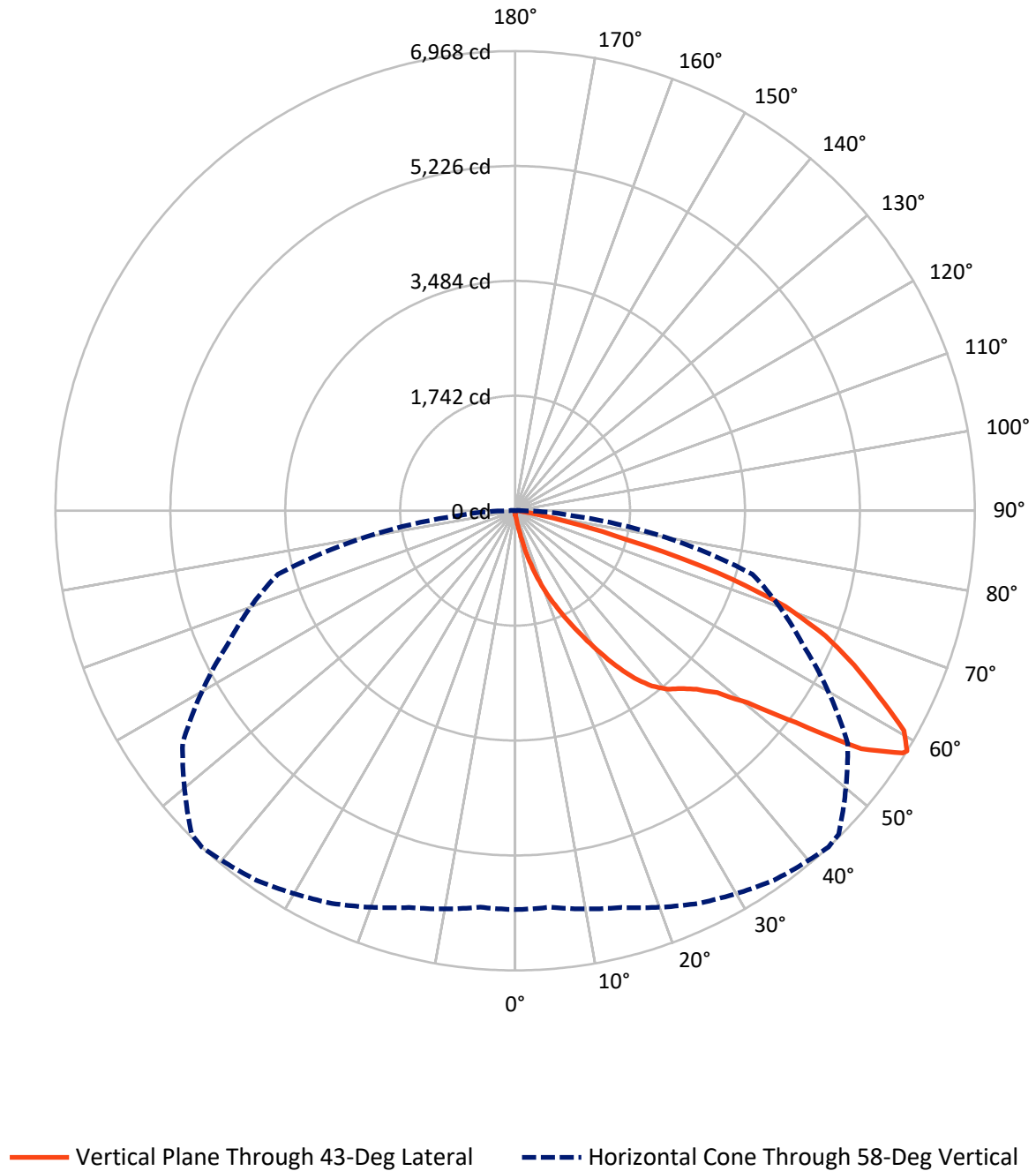


Based on 15 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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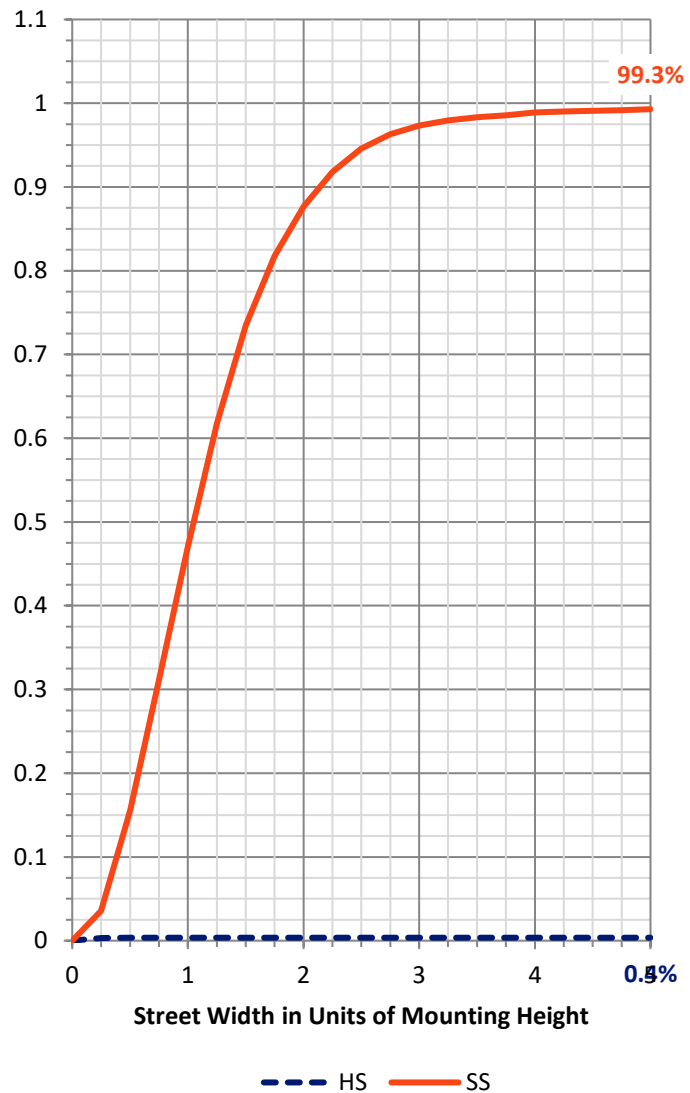
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30.7	0.0	30.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	8384.4	0.0	8384.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	8415.1	0.0	8415.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	96.7	1.1
20°-30°	348.6	4.1
30°-40°	797.7	9.5
40°-50°	1345.4	16.0
50°-60°	2220.2	26.4
60°-70°	2481.4	29.5
70°-80°	1024.5	12.2
80°-90°	92.4	1.1
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°	8415.1	100.0
0°-180°	8415.1	100.0



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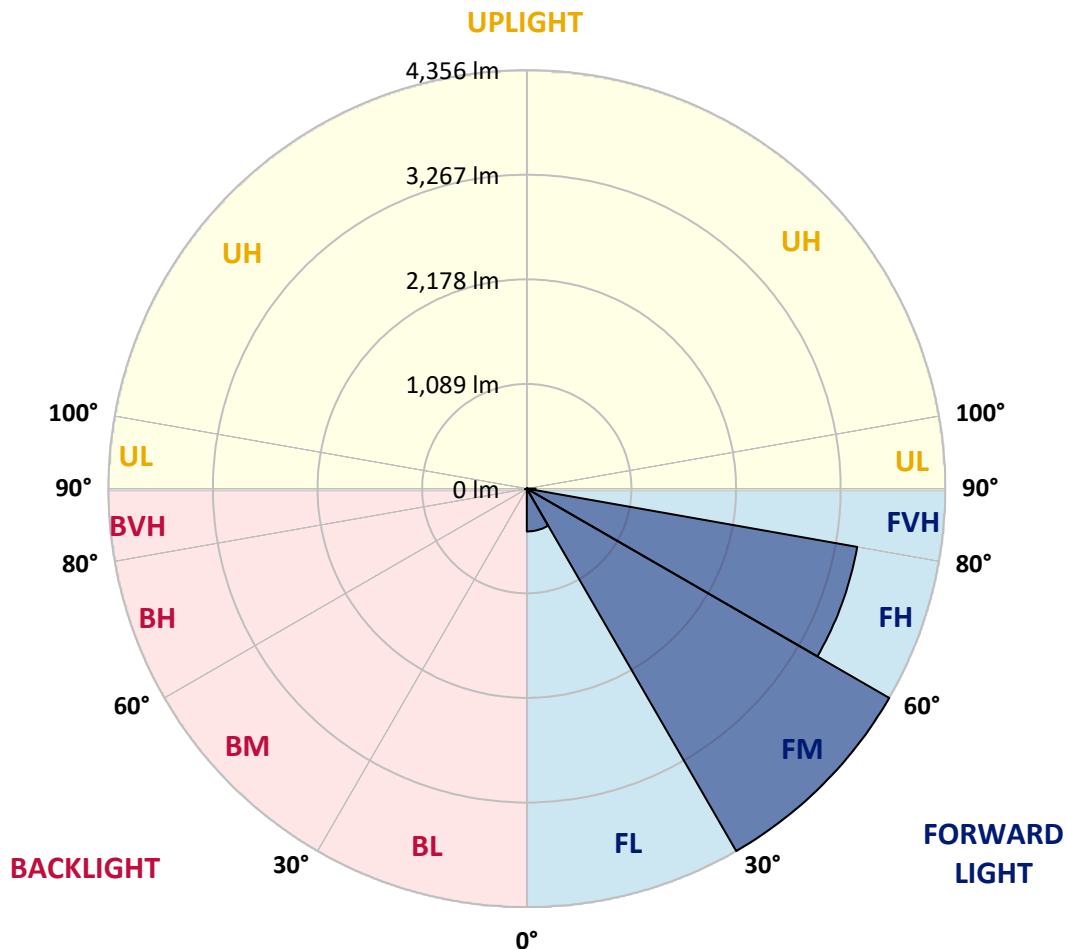
CATALOG NUMBER: GALN-SA3A-935-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	445.4	5.3			
FM	(30°-60°)	4356.0	51.8			
FH	(60°-80°)	3491.9	41.5			G2/5000
FVH	(80°-90°)	91.1	1.1			G1/100
BL	(0°-30°)	8.0	0.1	B0/110		
BM	(30°-60°)	7.4	0.1	B0/220		
BH	(60°-80°)	14.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2.5°	66.0	68.2	66.0	66.0	66.0	63.8	63.8	61.6	61.6	59.4	57.2
5°	96.8	96.8	90.2	85.8	81.4	79.2	77.0	72.6	68.2	63.8	59.4
7.5°	215.7	215.7	195.9	169.5	134.3	114.4	110.0	90.2	77.0	68.2	59.4
10°	515.0	515.0	471.0	398.4	308.1	228.9	204.7	129.9	92.4	72.6	61.6
12.5°	856.2	867.2	812.1	719.7	585.4	446.8	398.4	237.7	123.3	79.2	61.6
15°	1162.1	1135.7	1120.3	1032.2	904.6	739.5	677.9	400.6	178.3	90.2	61.6
17.5°	1369.0	1369.0	1347.0	1287.5	1170.9	1025.6	975.0	647.1	288.3	103.4	63.8
20°	1611.1	1611.1	1571.4	1529.6	1426.2	1302.9	1254.5	920.0	446.8	132.1	63.8
22.5°	1903.8	1908.2	1864.2	1789.3	1690.3	1553.8	1512.0	1173.1	647.1	176.1	66.0
25°	2260.3	2264.7	2200.9	2130.5	1978.6	1831.2	1767.3	1463.6	891.4	246.5	66.0
27.5°	2654.3	2685.1	2590.5	2469.4	2308.8	2123.9	2075.5	1725.5	1133.5	347.7	70.4
30°	3145.1	3145.1	3019.6	2850.2	2676.3	2447.4	2385.8	2000.6	1391.0	482.0	74.8
32.5°	3567.7	3534.7	3374.0	3195.7	3010.8	2797.4	2731.3	2288.9	1655.1	649.3	83.6
35°	3891.2	3862.6	3664.5	3473.0	3312.4	3116.5	3037.3	2601.5	1934.6	838.5	96.8
37.5°	4168.5	4157.5	3889.0	3649.1	3543.5	3371.8	3301.4	2896.4	2209.7	1043.2	112.2
40°	4472.2	4437.0	4150.9	3853.8	3695.3	3556.7	3492.8	3134.1	2473.8	1283.1	134.3
42.5°	4732.0	4690.1	4432.6	4142.1	3871.4	3684.3	3622.7	3334.4	2731.3	1523.0	162.9
45°	5020.3	4998.3	4738.6	4518.5	4157.5	3858.2	3776.8	3495.0	2966.8	1809.1	200.3
47.5°	5453.9	5414.2	5172.1	4991.7	4573.5	4122.3	4005.7	3660.1	3193.5	2090.9	257.5
50°	5957.9	5931.5	5788.4	5645.3	5229.4	4573.5	4434.8	3897.8	3446.6	2425.4	332.3
52.5°	6369.4	6365.0	6382.6	6384.8	6070.1	5332.8	5125.9	4280.8	3737.1	2755.5	438.0
55°	6360.6	6380.4	6574.1	6796.4	6820.6	6369.4	6169.1	4925.6	4115.7	3162.7	585.4
57.5°	6122.9	6107.5	6312.2	6646.7	6882.2	6930.7	6897.6	5927.0	4685.7	3653.5	812.1
58°	6045.9	6032.7	6226.4	6567.5	6838.2	6968.1	6935.1	6153.7	4813.4	3723.9	873.8
60°	5766.4	5768.6	5883.0	6193.4	6464.1	6772.2	6803.0	6800.8	5449.5	4194.9	1184.1
62.5°	5396.6	5379.0	5484.7	5737.8	5975.5	6182.4	6235.2	6844.8	6380.4	4793.6	1776.1
65°	4886.0	4859.6	4971.9	5258.0	5513.3	5647.5	5649.7	6255.0	6818.4	5436.2	2621.3
67.5°	3937.4	3915.4	4139.9	4507.5	4901.4	5077.5	5156.7	5427.4	6448.7	5872.0	3105.5
70°	2412.2	2458.4	2770.9	3347.6	4021.1	4344.6	4463.4	4547.1	5491.3	5806.0	2597.1
72.5°	1113.7	1058.6	1324.9	1727.7	2495.8	3215.5	3338.8	3666.7	4353.4	5040.1	1936.8
75°	519.4	499.6	561.2	754.9	1131.3	1736.5	1961.0	2927.2	3338.8	3506.0	1397.6
77.5°	266.3	268.5	319.1	343.3	466.6	803.3	922.2	1925.8	2447.4	1956.6	937.6
80°	116.6	121.1	123.3	134.3	189.3	310.3	349.9	893.6	1672.7	997.0	512.8
82.5°	74.8	77.0	77.0	77.0	90.2	123.3	140.9	358.7	834.1	495.2	158.5
85°	39.6	39.6	44.0	55.0	63.8	74.8	79.2	114.4	275.1	147.5	37.4
87.5°	22.0	24.2	26.4	33.0	41.8	50.6	55.0	79.2	105.6	101.2	8.8
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-SA3A-935-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2.5°	57.2	55.0	52.8	50.6	48.4	46.2	46.2	46.2	46.2	46.2	46.2
5°	55.0	52.8	50.6	46.2	41.8	39.6	37.4	35.2	35.2	35.2	35.2
7.5°	55.0	52.8	46.2	41.8	37.4	33.0	28.6	28.6	28.6	28.6	28.6
10°	55.0	50.6	44.0	37.4	30.8	26.4	24.2	22.0	22.0	22.0	22.0
12.5°	55.0	48.4	41.8	33.0	26.4	22.0	19.8	17.6	17.6	17.6	17.6
15°	55.0	48.4	39.6	30.8	24.2	17.6	15.4	13.2	13.2	13.2	13.2
17.5°	52.8	46.2	37.4	26.4	19.8	13.2	11.0	8.8	8.8	11.0	11.0
20°	50.6	44.0	33.0	22.0	15.4	11.0	6.6	6.6	6.6	6.6	6.6
22.5°	50.6	44.0	30.8	19.8	13.2	6.6	4.4	4.4	4.4	4.4	6.6
25°	50.6	41.8	26.4	15.4	8.8	4.4	2.2	2.2	2.2	2.2	2.2
27.5°	50.6	41.8	24.2	13.2	6.6	4.4	2.2	0.0	0.0	0.0	0.0
30°	48.4	39.6	22.0	11.0	4.4	2.2	0.0	0.0	0.0	0.0	0.0
32.5°	48.4	37.4	17.6	8.8	4.4	2.2	0.0	0.0	0.0	0.0	0.0
35°	50.6	35.2	15.4	6.6	2.2	0.0	0.0	0.0	0.0	0.0	2.2
37.5°	52.8	33.0	13.2	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	55.0	30.8	13.2	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	59.4	30.8	11.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	63.8	30.8	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	72.6	33.0	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	79.2	35.2	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	88.0	33.0	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	99.0	33.0	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	107.8	30.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	112.2	28.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	134.3	26.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	209.1	22.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	424.8	19.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	792.3	17.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	887.0	19.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	559.0	15.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	294.9	15.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	147.5	15.4	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	68.2	11.0	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	28.6	6.6	4.4	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.2	6.6	4.4	4.4	2.2	2.2	0.0	0.0	0.0	0.0	0.0
87.5°	6.6	6.6	6.6	4.4	4.4	2.2	2.2	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: SP1-2407-184-15

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-935-U-5WQ

Data in this report applies to families of products including GSS-SB1A-935-U-5WQ

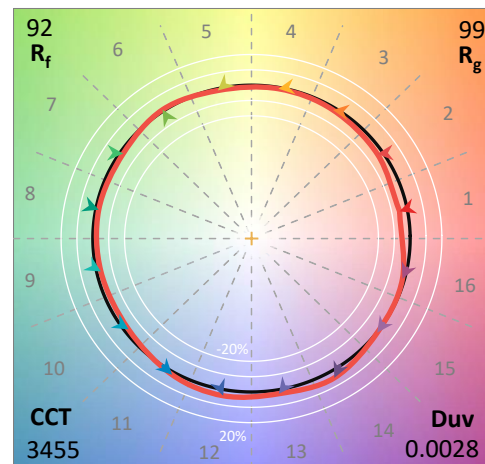
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-15
 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-935-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3455
 CIE u' : 0.2356
 CIE v' : 0.5159
 Duv: 0.0028
 CIE x: 0.4109
 CIE y: 0.3999
 CIE z: 0.1892
 Peak Wavelength (nm): 616
 Dominant Wavelength (nm): 579
 Purity: 43.35383
 R_f: 92.3
 R_g: 98.5

CRI (Ra): 92.2
 R1: 92.0
 R2: 94.4
 R3: 95.6
 R4: 93.2
 R5: 91.4
 R6: 92.5
 R7: 94.5
 R8: 84.2
 R9: 59.8
 R10: 85.8
 R11: 93.2
 R12: 78.0
 R13: 92.5
 R14: 97.0
 R15: 88.4



Test Conditions

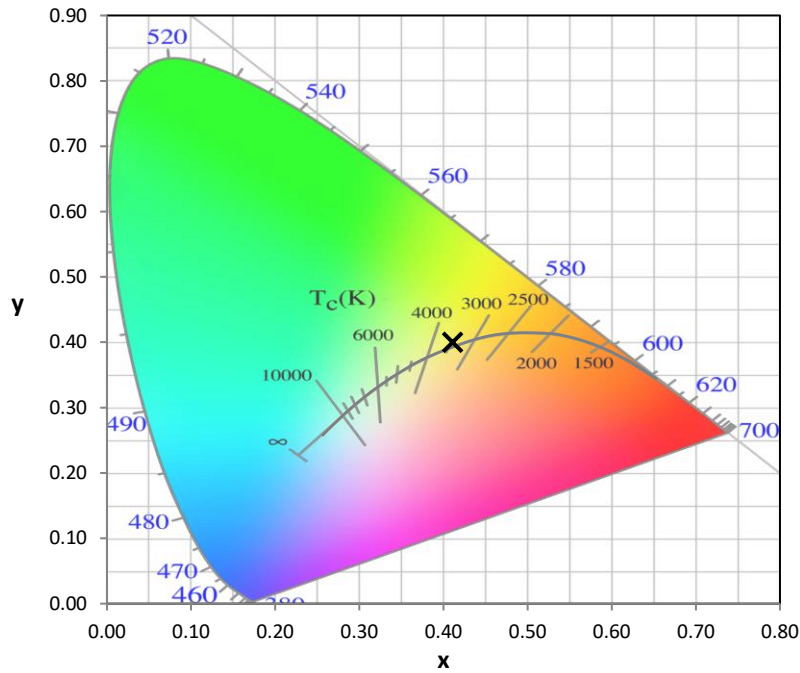
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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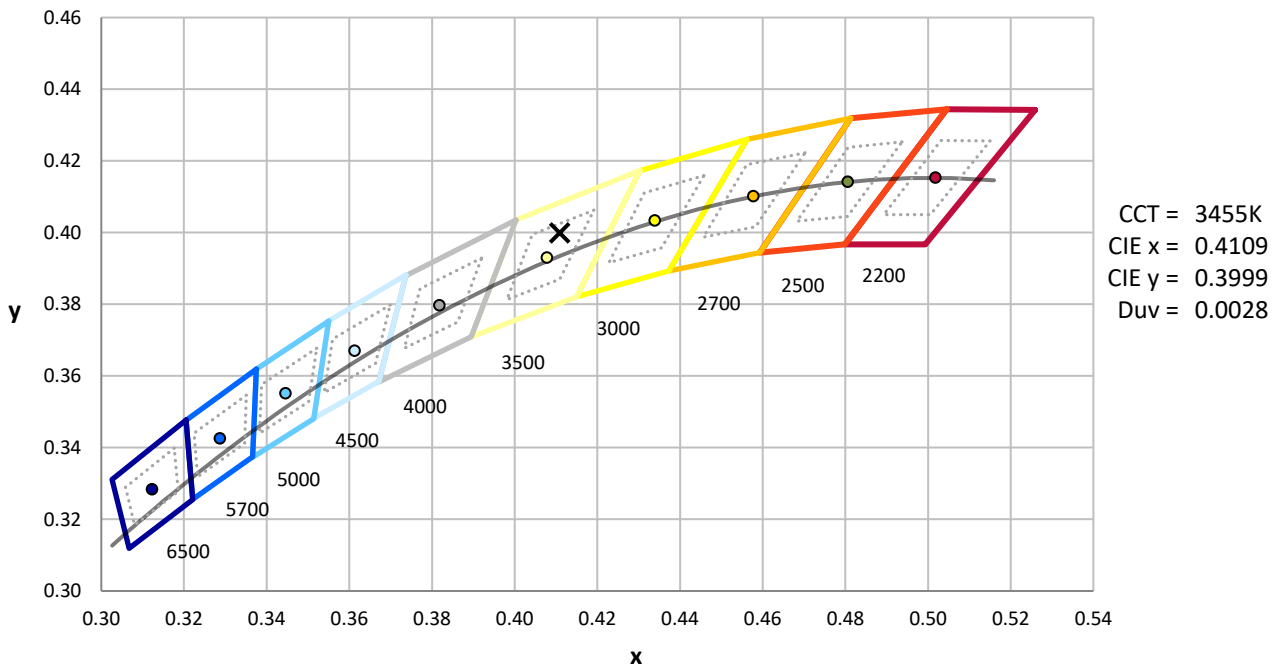
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



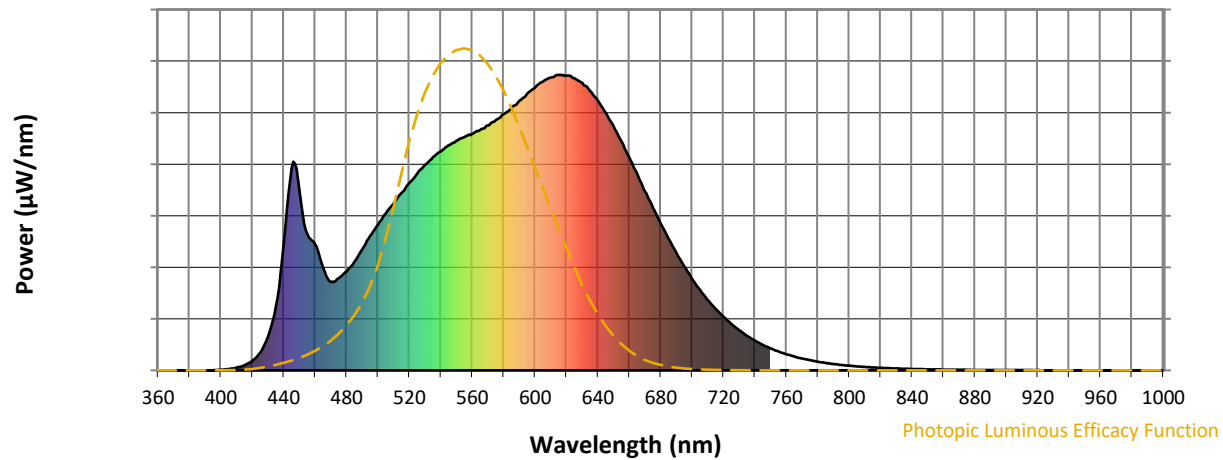
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

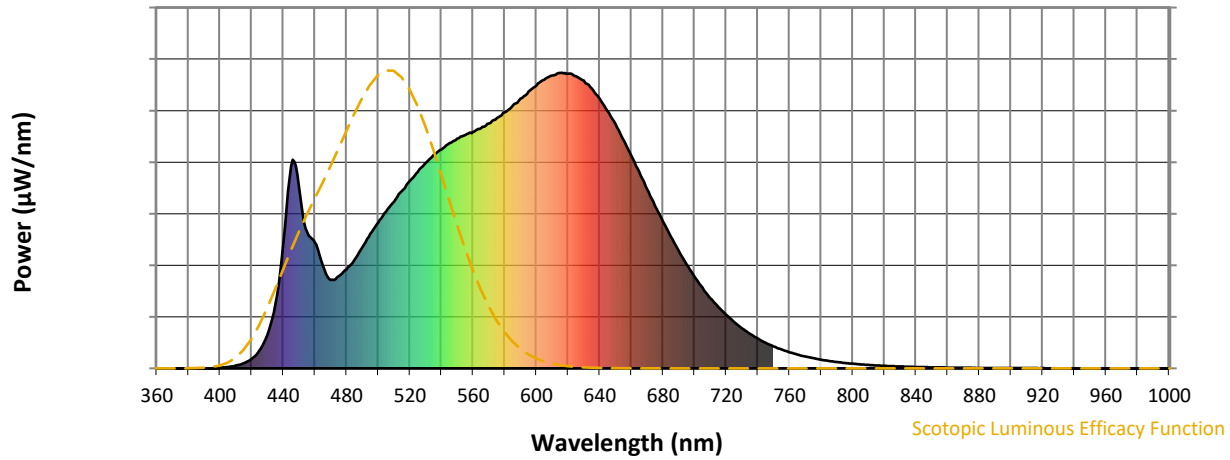


Photopic Lumens: NR

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	410	NR	620	997	NR	750	74	NR	880	1	NR
365	0	NR	495	454	NR	625	988	NR	755	64	NR	885	1	NR
370	0	NR	500	493	NR	630	973	NR	760	54	NR	890	1	NR
375	0	NR	505	530	NR	635	946	NR	765	47	NR	895	1	NR
380	0	NR	510	564	NR	640	913	NR	770	40	NR	900	1	NR
385	0	NR	515	599	NR	645	870	NR	775	34	NR	905	1	NR
390	0	NR	520	634	NR	650	826	NR	780	29	NR	910	1	NR
395	0	NR	525	664	NR	655	774	NR	785	25	NR	915	1	NR
400	2	NR	530	695	NR	660	720	NR	790	21	NR	920	1	NR
405	4	NR	535	722	NR	665	664	NR	795	18	NR	925	1	NR
410	9	NR	540	741	NR	670	605	NR	800	16	NR	930	0	NR
415	17	NR	545	762	NR	675	550	NR	805	13	NR	935	0	NR
420	32	NR	550	777	NR	680	497	NR	810	12	NR	940	0	NR
425	61	NR	555	789	NR	685	445	NR	815	10	NR	945	0	NR
430	114	NR	560	800	NR	690	398	NR	820	9	NR	950	0	NR
435	218	NR	565	813	NR	695	352	NR	825	7	NR	955	0	NR
440	427	NR	570	828	NR	700	309	NR	830	6	NR	960	0	NR
445	684	NR	575	846	NR	705	273	NR	835	5	NR	965	0	NR
450	611	NR	580	866	NR	710	237	NR	840	5	NR	970	0	NR
455	461	NR	585	888	NR	715	208	NR	845	4	NR	975	0	NR
460	427	NR	590	913	NR	720	181	NR	850	4	NR	980	0	NR
465	349	NR	595	936	NR	725	157	NR	855	3	NR	985	0	NR
470	298	NR	600	957	NR	730	136	NR	860	3	NR	990	1	NR
475	312	NR	605	976	NR	735	117	NR	865	2	NR	995	0	NR
480	335	NR	610	990	NR	740	100	NR	870	2	NR	1000	0	NR
485	367	NR	615	999	NR	745	86	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



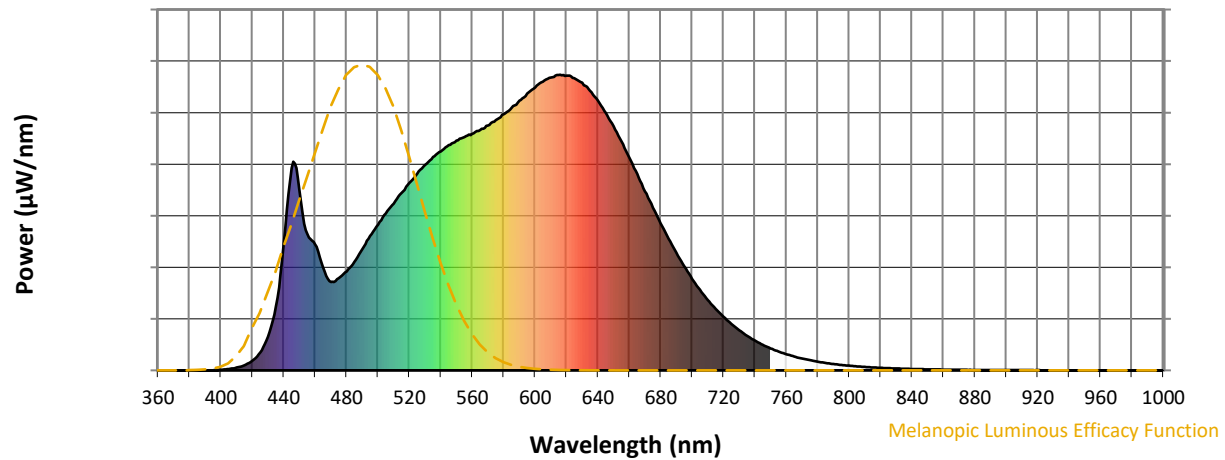
Scotopic Lumens: NR

S/P: 1.58

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	410	NR	620	997	NR	750	74	NR	880	1	NR
365	0	NR	495	454	NR	625	988	NR	755	64	NR	885	1	NR
370	0	NR	500	493	NR	630	973	NR	760	54	NR	890	1	NR
375	0	NR	505	530	NR	635	946	NR	765	47	NR	895	1	NR
380	0	NR	510	564	NR	640	913	NR	770	40	NR	900	1	NR
385	0	NR	515	599	NR	645	870	NR	775	34	NR	905	1	NR
390	0	NR	520	634	NR	650	826	NR	780	29	NR	910	1	NR
395	0	NR	525	664	NR	655	774	NR	785	25	NR	915	1	NR
400	2	NR	530	695	NR	660	720	NR	790	21	NR	920	1	NR
405	4	NR	535	722	NR	665	664	NR	795	18	NR	925	1	NR
410	9	NR	540	741	NR	670	605	NR	800	16	NR	930	0	NR
415	17	NR	545	762	NR	675	550	NR	805	13	NR	935	0	NR
420	32	NR	550	777	NR	680	497	NR	810	12	NR	940	0	NR
425	61	NR	555	789	NR	685	445	NR	815	10	NR	945	0	NR
430	114	NR	560	800	NR	690	398	NR	820	9	NR	950	0	NR
435	218	NR	565	813	NR	695	352	NR	825	7	NR	955	0	NR
440	427	NR	570	828	NR	700	309	NR	830	6	NR	960	0	NR
445	684	NR	575	846	NR	705	273	NR	835	5	NR	965	0	NR
450	611	NR	580	866	NR	710	237	NR	840	5	NR	970	0	NR
455	461	NR	585	888	NR	715	208	NR	845	4	NR	975	0	NR
460	427	NR	590	913	NR	720	181	NR	850	4	NR	980	0	NR
465	349	NR	595	936	NR	725	157	NR	855	3	NR	985	0	NR
470	298	NR	600	957	NR	730	136	NR	860	3	NR	990	1	NR
475	312	NR	605	976	NR	735	117	NR	865	2	NR	995	0	NR
480	335	NR	610	990	NR	740	100	NR	870	2	NR	1000	0	NR
485	367	NR	615	999	NR	745	86	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.14

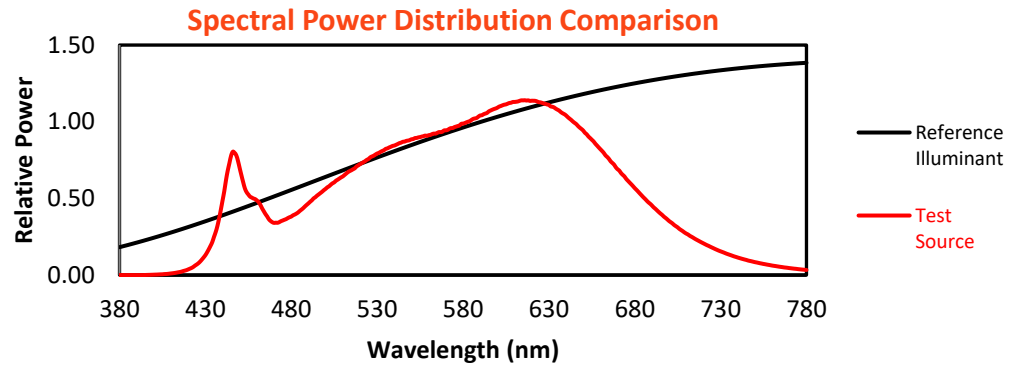
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	410	NR	620	997	NR	750	74	NR	880	1	NR
365	0	NR	495	454	NR	625	988	NR	755	64	NR	885	1	NR
370	0	NR	500	493	NR	630	973	NR	760	54	NR	890	1	NR
375	0	NR	505	530	NR	635	946	NR	765	47	NR	895	1	NR
380	0	NR	510	564	NR	640	913	NR	770	40	NR	900	1	NR
385	0	NR	515	599	NR	645	870	NR	775	34	NR	905	1	NR
390	0	NR	520	634	NR	650	826	NR	780	29	NR	910	1	NR
395	0	NR	525	664	NR	655	774	NR	785	25	NR	915	1	NR
400	2	NR	530	695	NR	660	720	NR	790	21	NR	920	1	NR
405	4	NR	535	722	NR	665	664	NR	795	18	NR	925	1	NR
410	9	NR	540	741	NR	670	605	NR	800	16	NR	930	0	NR
415	17	NR	545	762	NR	675	550	NR	805	13	NR	935	0	NR
420	32	NR	550	777	NR	680	497	NR	810	12	NR	940	0	NR
425	61	NR	555	789	NR	685	445	NR	815	10	NR	945	0	NR
430	114	NR	560	800	NR	690	398	NR	820	9	NR	950	0	NR
435	218	NR	565	813	NR	695	352	NR	825	7	NR	955	0	NR
440	427	NR	570	828	NR	700	309	NR	830	6	NR	960	0	NR
445	684	NR	575	846	NR	705	273	NR	835	5	NR	965	0	NR
450	611	NR	580	866	NR	710	237	NR	840	5	NR	970	0	NR
455	461	NR	585	888	NR	715	208	NR	845	4	NR	975	0	NR
460	427	NR	590	913	NR	720	181	NR	850	4	NR	980	0	NR
465	349	NR	595	936	NR	725	157	NR	855	3	NR	985	0	NR
470	298	NR	600	957	NR	730	136	NR	860	3	NR	990	1	NR
475	312	NR	605	976	NR	735	117	NR	865	2	NR	995	0	NR
480	335	NR	610	990	NR	740	100	NR	870	2	NR	1000	0	NR
485	367	NR	615	999	NR	745	86	NR	875	2	NR			

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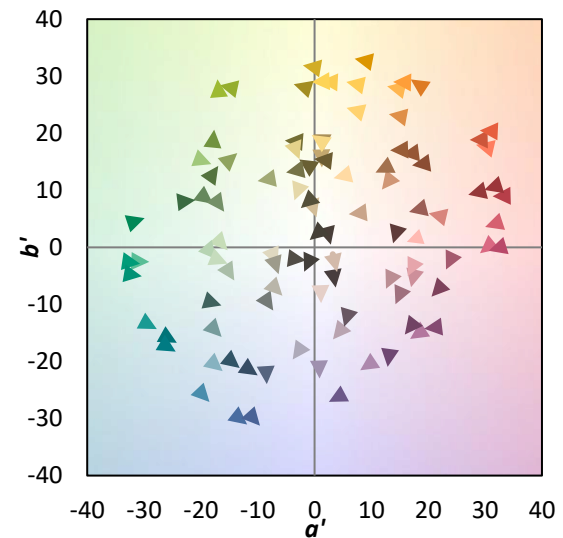
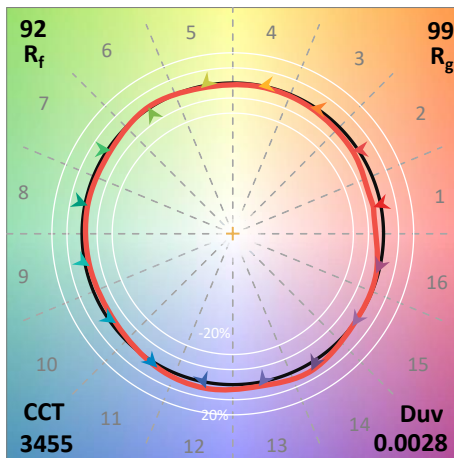
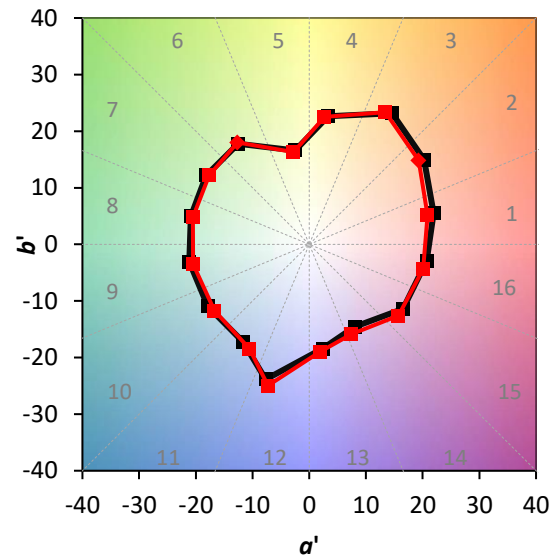
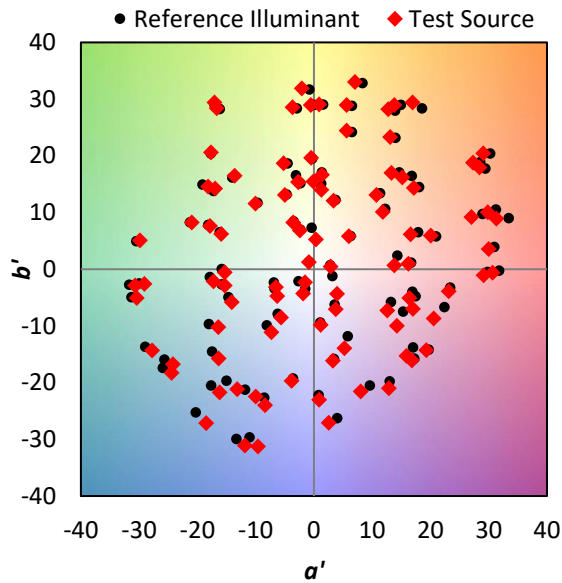
TM-30-18

Summary

$R_f = 92.3$
 $R_g = 98.5$
 $CIE R_a = 92.2$
 $R_9 = 59.8$

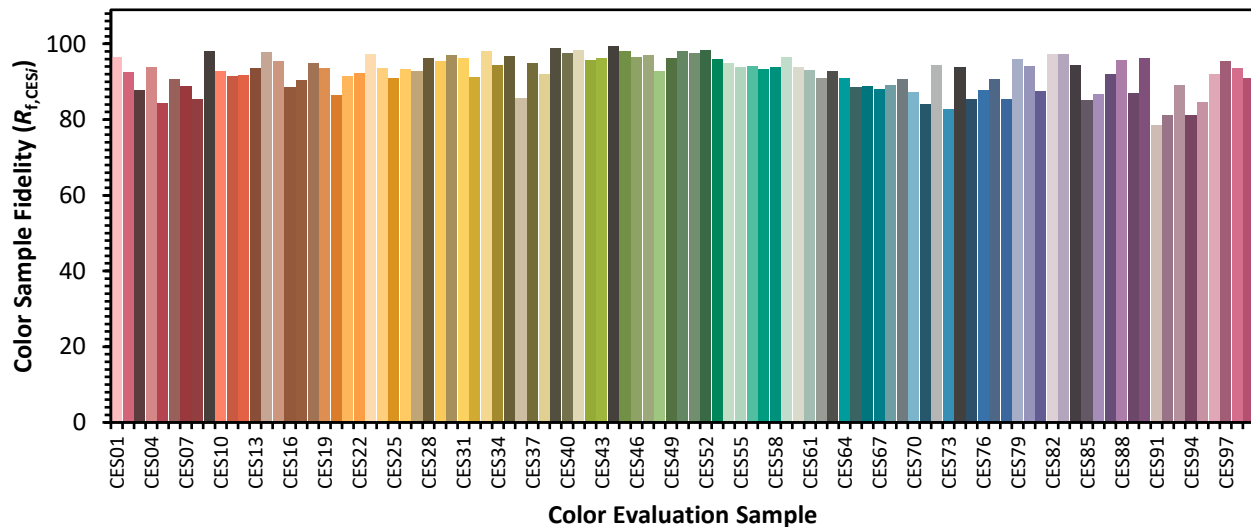


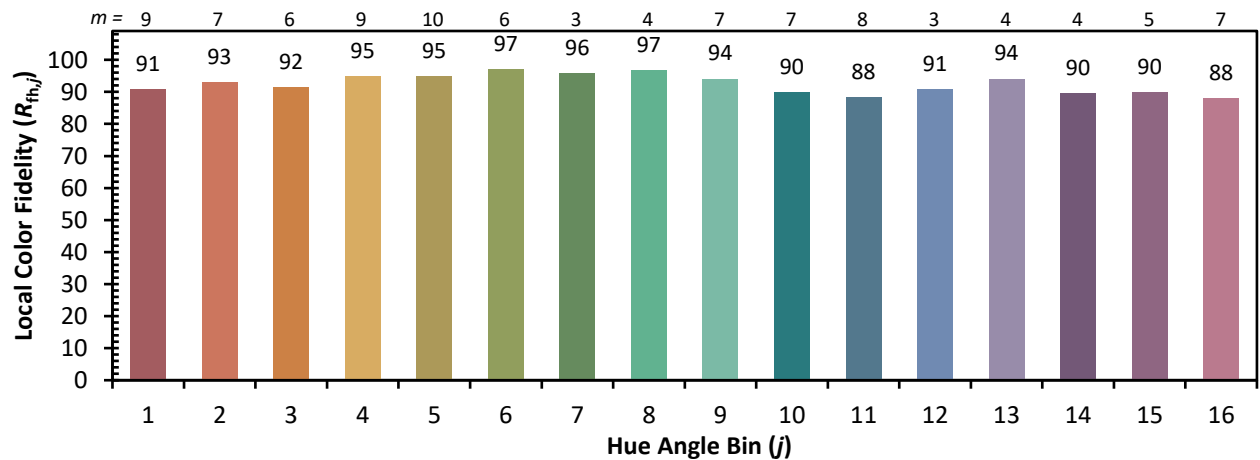
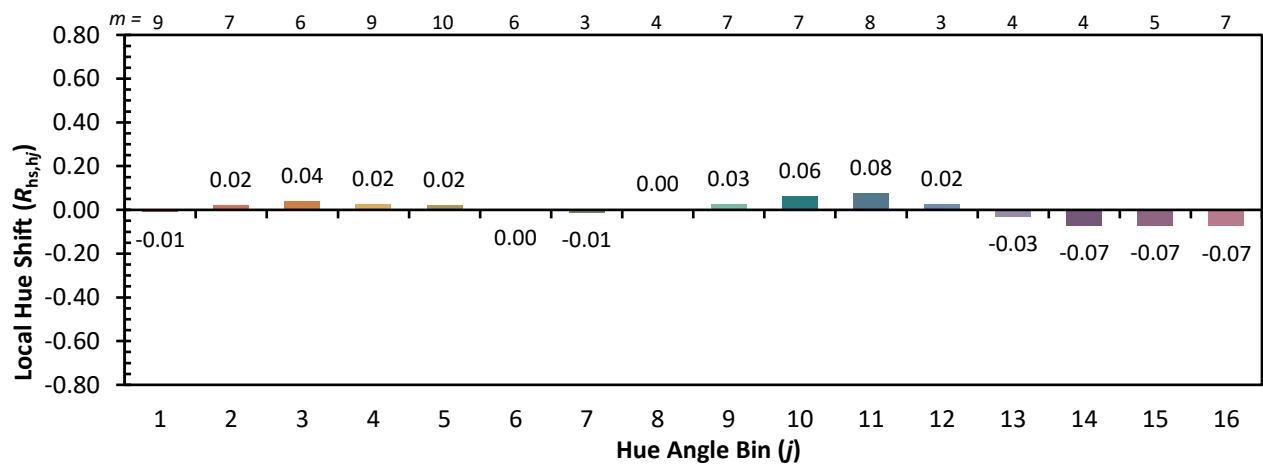
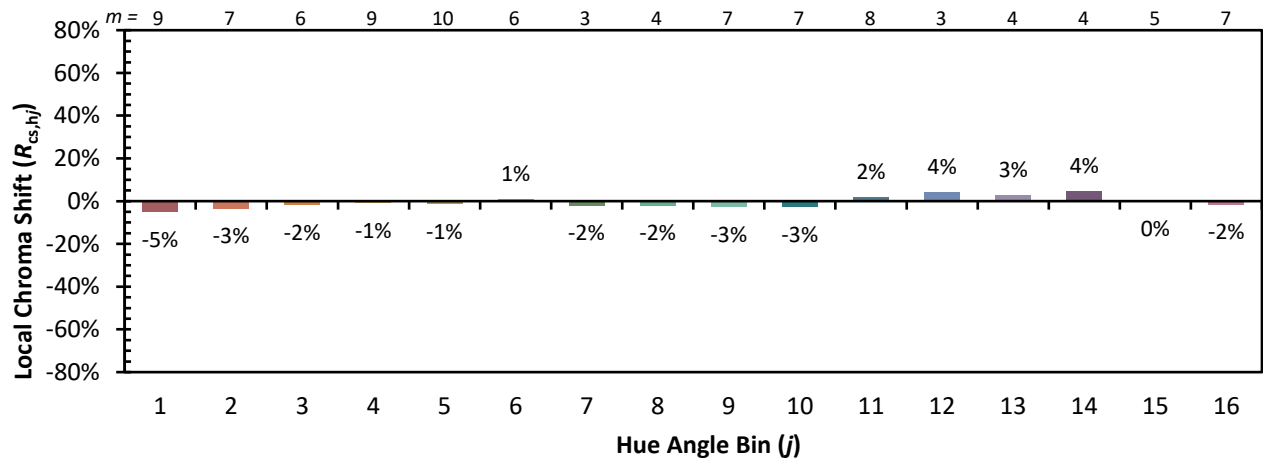
Color Vector Graphics



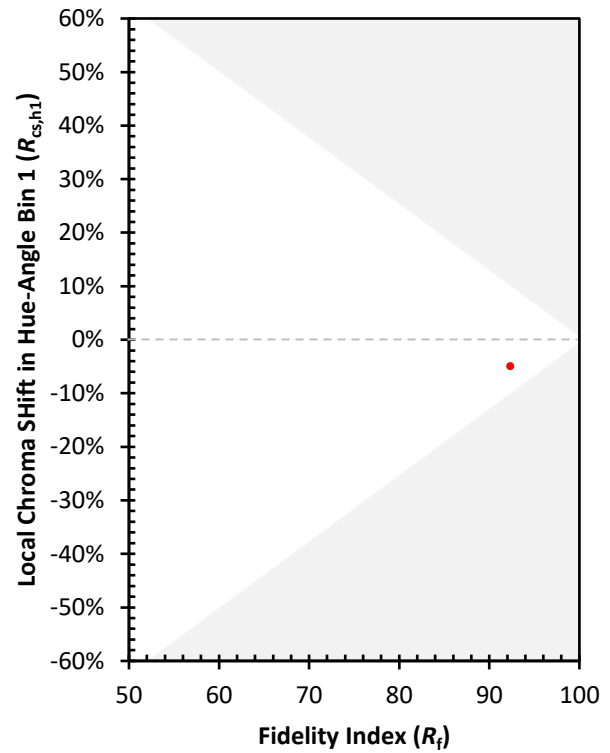
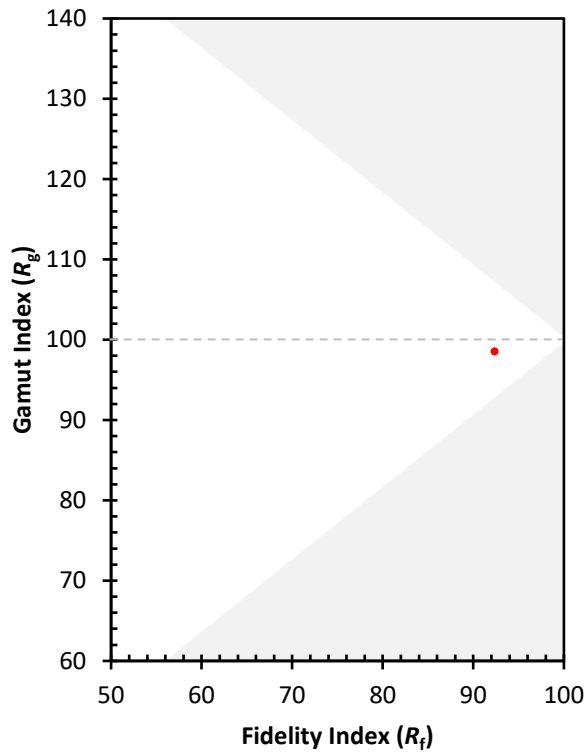
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 93	CES51 = 97	CES76 = 88
CES02 = 62	CES27 = 93	CES52 = 98	CES77 = 91
CES03 = 31	CES28 = 96	CES53 = 96	CES78 = 85
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 96
CES05 = 50	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 87
CES07 = 42	CES32 = 91	CES57 = 93	CES82 = 97
CES08 = 41	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 94	CES59 = 96	CES84 = 94
CES10 = 75	CES35 = 97	CES60 = 94	CES85 = 85
CES11 = 58	CES36 = 86	CES61 = 93	CES86 = 87
CES12 = 64	CES37 = 95	CES62 = 91	CES87 = 92
CES13 = 43	CES38 = 92	CES63 = 93	CES88 = 96
CES14 = 74	CES39 = 99	CES64 = 91	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 47	CES41 = 98	CES66 = 89	CES91 = 78
CES17 = 49	CES42 = 96	CES67 = 88	CES92 = 81
CES18 = 56	CES43 = 96	CES68 = 89	CES93 = 89
CES19 = 71	CES44 = 99	CES69 = 91	CES94 = 81
CES20 = 66	CES45 = 98	CES70 = 87	CES95 = 85
CES21 = 86	CES46 = 97	CES71 = 84	CES96 = 92
CES22 = 78	CES47 = 97	CES72 = 95	CES97 = 95
CES23 = 91	CES48 = 93	CES73 = 83	CES98 = 94
CES24 = 90	CES49 = 96	CES74 = 94	CES99 = 91
CES25 = 71	CES50 = 98	CES75 = 85	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)