

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: P1048786

Luminaire Tested: **GALN-SA3B-940-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048786
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3B-940-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
90CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10425.9 lumens
Efficiency: N/A
Efficacy: 98.2 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): 106.2
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

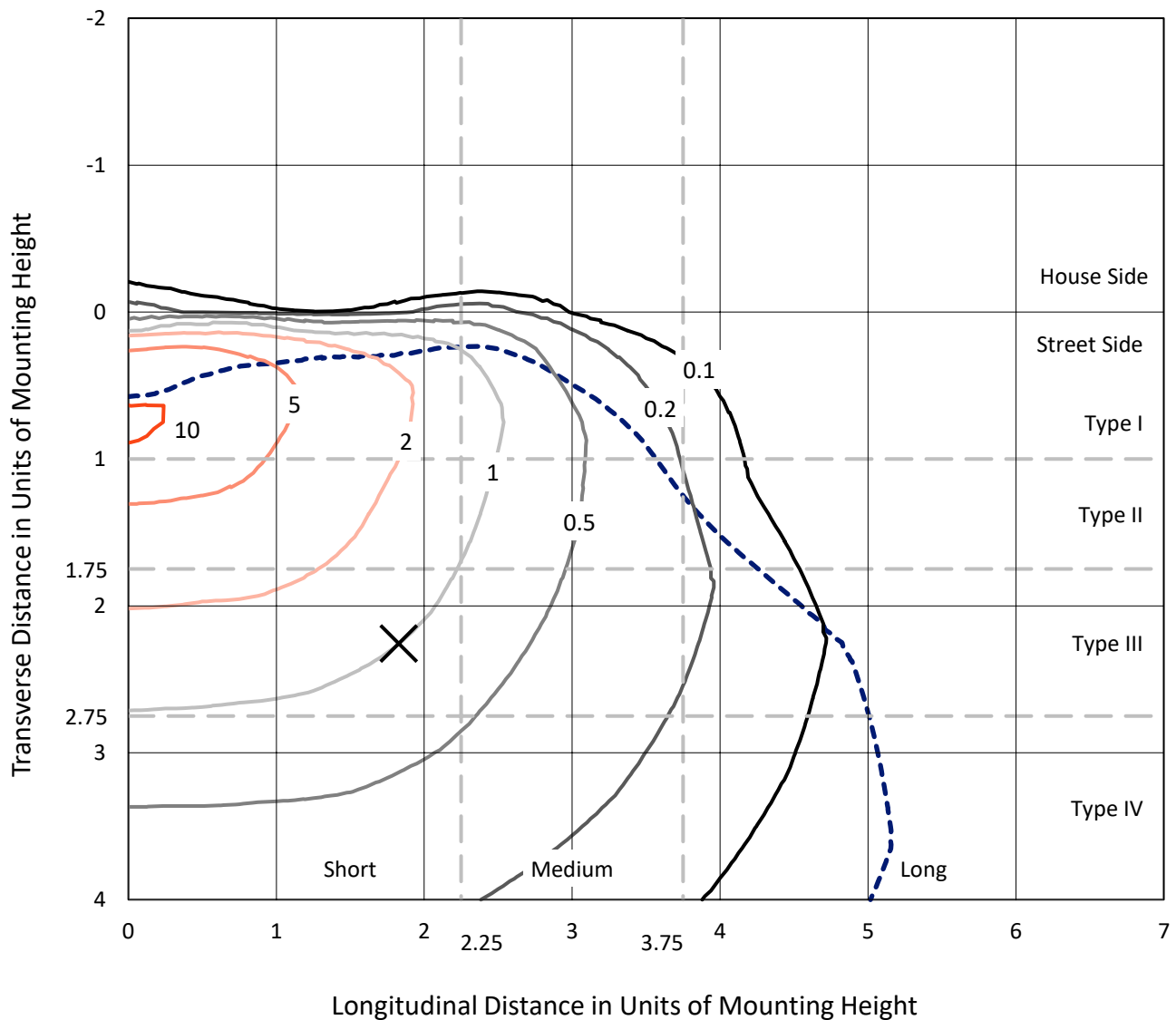


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

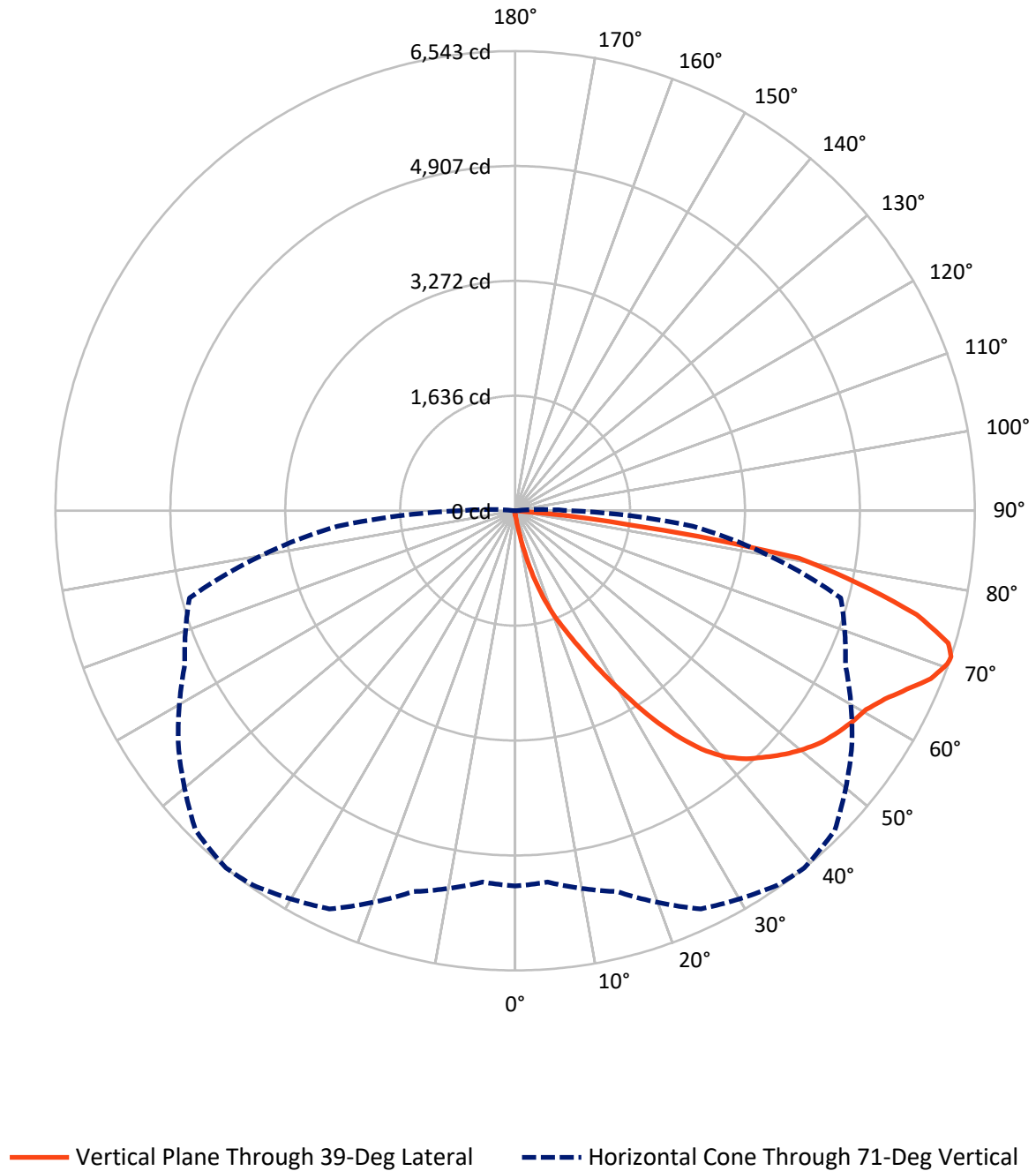


Based on 15 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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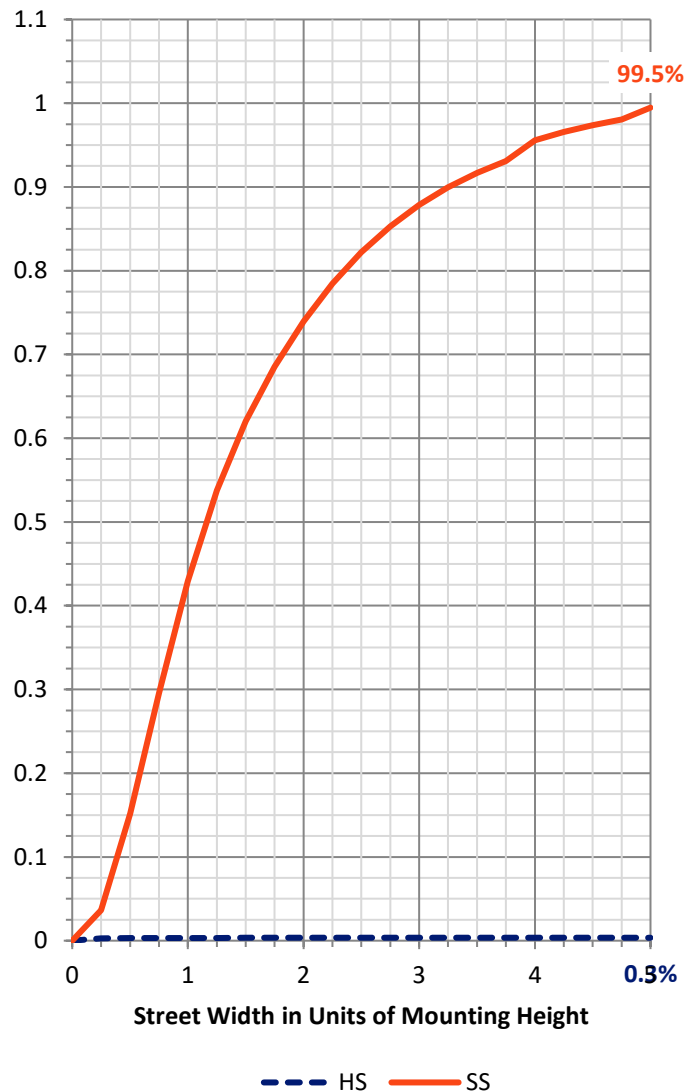
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.0	0.0	37.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10388.9	0.0	10388.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	10425.9	0.0	10425.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.1
10°-20°	111.4	1.1
20°-30°	396.8	3.8
30°-40°	956.4	9.2
40°-50°	1600.6	15.4
50°-60°	2055.8	19.7
60°-70°	2601.7	25.0
70°-80°	2319.5	22.2
80°-90°	374.9	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°	10425.9	100.0
0°-180°	10425.9	100.0



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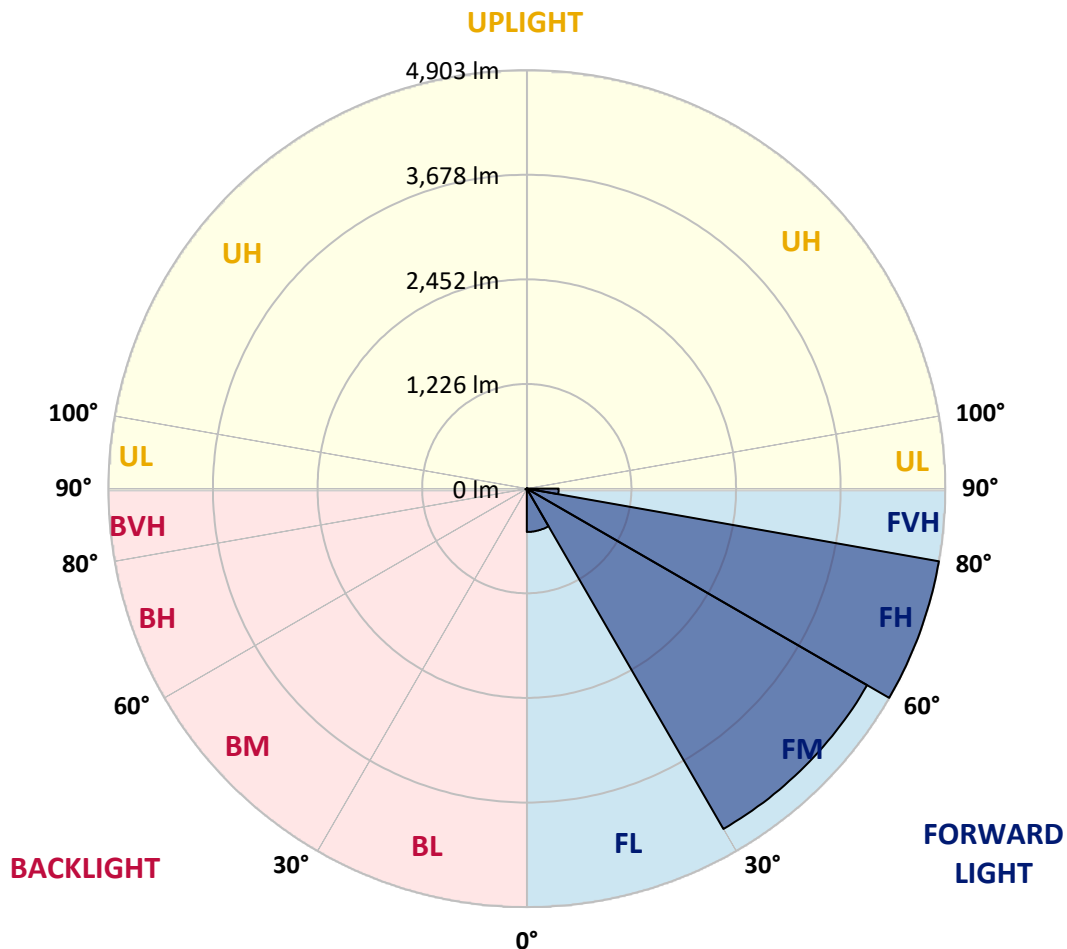
CATALOG NUMBER: GALN-SA3B-940-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	508.0	4.9			
FM	(30°-60°)	4604.3	44.2			
FH	(60°-80°)	4903.3	47.0			G2/5000
FVH	(80°-90°)	373.2	3.6			G3/500
BL	(0°-30°)	9.0	0.1	B0/110		
BM	(30°-60°)	8.6	0.1	B0/220		
BH	(60°-80°)	17.8	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
2.5°	65.6	65.6	65.6	63.5	63.5	62.8	62.1	62.1	60.7	60.0	58.6
5°	99.5	97.4	92.5	89.6	84.0	80.5	76.9	72.0	67.0	63.5	59.3
7.5°	225.1	230.1	213.9	183.5	152.4	139.0	116.5	93.9	77.6	67.0	60.0
10°	573.8	571.0	515.9	455.2	351.5	309.8	242.8	153.2	100.2	73.4	60.7
12.5°	976.1	973.3	908.3	825.8	688.8	602.0	475.0	285.8	144.0	83.3	60.7
15°	1314.2	1302.9	1282.4	1200.5	1040.3	967.6	799.6	505.3	232.9	100.2	62.1
17.5°	1537.9	1528.0	1509.0	1479.3	1377.7	1291.6	1156.8	794.0	376.9	129.9	64.9
20°	1743.3	1736.2	1720.7	1715.0	1649.4	1603.5	1492.0	1125.7	587.2	176.4	69.2
22.5°	2025.6	2010.8	2017.1	1983.2	1919.0	1864.0	1795.5	1473.0	844.1	254.1	76.9
25°	2371.4	2364.4	2346.7	2322.7	2233.8	2185.8	2080.6	1800.4	1131.4	355.7	85.4
27.5°	2789.2	2781.5	2777.2	2722.2	2619.9	2567.6	2420.8	2109.6	1454.6	498.3	96.7
30°	3270.6	3274.1	3246.6	3176.0	3056.7	2983.3	2832.3	2433.5	1785.6	665.6	108.7
32.5°	3768.9	3761.8	3719.5	3636.2	3529.6	3461.1	3269.2	2788.5	2132.9	886.5	122.8
35°	4306.0	4292.6	4181.0	4085.8	3994.7	3908.6	3733.6	3200.7	2480.1	1134.2	141.9
37.5°	4848.0	4785.2	4561.5	4440.8	4378.0	4307.4	4144.3	3640.4	2825.2	1410.9	165.2
40°	5257.4	5208.7	4943.3	4721.0	4670.9	4610.9	4489.5	4020.1	3192.2	1708.0	193.4
42.5°	5483.9	5457.1	5218.5	4999.0	4881.2	4828.2	4724.5	4351.8	3555.0	2036.2	234.3
45°	5580.6	5539.0	5379.5	5277.1	5089.4	5001.9	4878.4	4602.4	3934.0	2408.8	291.5
47.5°	5551.0	5527.0	5412.6	5450.0	5313.8	5177.6	4996.2	4794.4	4258.0	2836.5	369.8
50°	5364.6	5344.2	5308.9	5511.4	5494.5	5333.6	5148.7	4946.1	4522.6	3277.6	491.2
52.5°	5010.3	5001.9	5092.2	5463.4	5596.8	5471.2	5295.5	5080.2	4769.7	3738.5	664.8
55°	4553.7	4588.3	4846.6	5388.6	5649.1	5572.8	5425.3	5205.8	4968.0	4150.7	921.0
57.5°	4366.0	4375.1	4697.7	5335.7	5672.4	5662.5	5551.7	5325.8	5150.1	4480.3	1312.0
60°	4585.5	4571.3	4741.4	5375.9	5718.9	5742.9	5663.9	5437.3	5308.2	4763.3	1832.9
62.5°	4982.1	4974.3	5028.7	5547.4	5855.2	5903.9	5819.9	5517.8	5447.9	4949.6	2427.2
65°	5336.4	5320.2	5421.1	5851.6	6094.4	6129.0	6055.6	5655.4	5509.3	5085.1	2985.5
67.5°	5489.6	5486.0	5648.4	6141.0	6345.7	6383.1	6318.9	5845.3	5495.2	5128.2	3231.8
70°	5419.7	5406.3	5666.0	6263.8	6487.5	6529.9	6467.8	5915.9	5342.1	4992.0	2866.9
71°	5342.8	5306.8	5613.1	6255.3	6507.3	6543.3	6434.6	5851.6	5188.2	4798.6	2535.9
72.5°	5104.2	5110.6	5467.7	6167.1	6460.0	6449.4	6246.9	5621.5	5002.6	4359.6	2036.9
75°	4517.0	4554.4	4996.9	5796.6	6038.0	5903.1	5593.3	5181.8	4629.9	3125.9	1414.4
77.5°	3691.2	3747.0	4233.3	5083.7	5015.3	5001.9	4989.2	4565.7	3953.8	1679.1	983.9
80°	1762.3	1883.0	2553.5	3629.1	3942.5	4094.2	3999.0	3679.2	3057.4	799.6	587.9
82.5°	115.0	113.6	160.9	304.9	1285.2	1661.4	2639.6	2629.7	2131.5	389.6	240.0
85°	54.3	55.8	61.4	69.9	81.2	88.9	122.8	719.9	1019.9	185.6	52.2
87.5°	31.8	32.5	38.1	48.7	63.5	70.6	84.0	108.0	132.7	102.3	11.3
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: P1048786

CATALOG NUMBER: GALN-SA3B-940-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
2.5°	57.9	57.2	55.1	52.9	50.8	49.4	48.7	49.4	49.4	50.1	50.1
5°	57.9	55.8	52.2	48.0	45.2	42.3	40.9	40.2	40.9	40.9	40.9
7.5°	57.2	53.6	48.7	43.8	40.2	36.7	35.3	34.6	34.6	35.3	35.3
10°	55.8	52.2	45.9	40.2	36.0	31.8	29.6	27.5	27.5	27.5	28.2
12.5°	55.1	50.1	42.3	36.7	31.1	26.1	21.9	19.8	20.5	20.5	20.5
15°	53.6	48.0	40.2	33.2	26.1	19.8	16.2	14.1	14.8	15.5	14.8
17.5°	53.6	47.3	37.4	28.9	20.5	14.8	12.0	10.6	10.6	11.3	11.3
20°	53.6	45.9	35.3	24.7	15.5	11.3	8.5	7.8	7.8	9.2	9.9
22.5°	55.1	45.9	32.5	20.5	12.7	8.5	6.4	5.6	6.4	7.8	8.5
25°	57.2	45.2	29.6	18.4	10.6	6.4	4.9	3.5	4.2	5.6	6.4
27.5°	59.3	44.5	26.8	16.2	8.5	4.9	3.5	2.8	2.1	2.8	2.8
30°	61.4	44.5	24.0	13.4	7.1	3.5	2.1	1.4	0.7	0.0	0.0
32.5°	62.8	43.1	21.9	10.6	5.6	2.8	1.4	0.7	0.0	0.0	0.0
35°	64.2	41.6	19.1	8.5	4.2	2.1	0.7	0.0	0.0	0.0	0.0
37.5°	65.6	39.5	16.2	7.1	3.5	1.4	0.0	0.0	0.0	0.0	0.0
40°	67.0	36.7	13.4	6.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	68.5	34.6	11.3	4.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	72.0	33.2	9.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	78.3	31.8	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	87.5	30.3	7.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	100.2	29.6	7.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	122.8	28.9	6.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	161.6	28.2	6.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	247.7	26.8	6.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	442.5	26.1	5.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	771.4	26.8	5.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1106.0	28.2	4.9	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	946.5	24.7	4.9	2.8	1.4	0.7	0.0	0.0	0.0	0.0	0.0
71°	771.4	21.9	4.9	2.8	1.4	0.7	0.7	0.0	0.0	0.0	0.0
72.5°	496.2	16.9	4.2	2.8	1.4	1.4	0.7	0.0	0.0	0.0	0.0
75°	209.6	14.1	4.2	2.8	2.1	1.4	1.4	0.7	0.0	0.0	0.0
77.5°	89.6	10.6	4.2	3.5	2.8	2.1	2.1	1.4	0.7	0.0	0.0
80°	33.9	8.5	4.9	4.2	3.5	3.5	2.8	1.4	0.7	0.0	0.0
82.5°	15.5	7.1	4.9	4.2	4.2	3.5	2.8	2.1	1.4	0.0	0.0
85°	9.9	6.4	4.9	4.2	4.2	3.5	3.5	2.1	1.4	0.0	0.0
87.5°	7.8	6.4	4.9	4.9	4.2	4.2	2.8	2.1	0.7	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: SP1-2407-184-16

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-940-U-5WQ

Data in this report applies to families of products including GSS-SB1A-940-U-5WQ

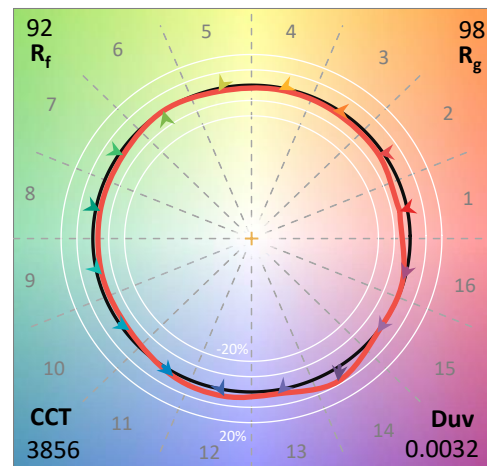
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-16
 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-940-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3856
 CIE u' : 0.2261
 CIE v' : 0.5084
 Duv: 0.0032
 CIE x: 0.3896
 CIE y: 0.3894
 CIE z: 0.2211
 Peak Wavelength (nm): 614
 Dominant Wavelength (nm): 578
 Purity: 33.77304
 R_f: 91.8
 R_g: 98.4

CRI (Ra): 92.1
 R1: 91.8
 R2: 94.1
 R3: 95.3
 R4: 92.8
 R5: 91.0
 R6: 91.6
 R7: 95.0
 R8: 85.2
 R9: 60.7
 R10: 85.2
 R11: 92.4
 R12: 74.5
 R13: 92.3
 R14: 97.0
 R15: 88.5



Test Conditions

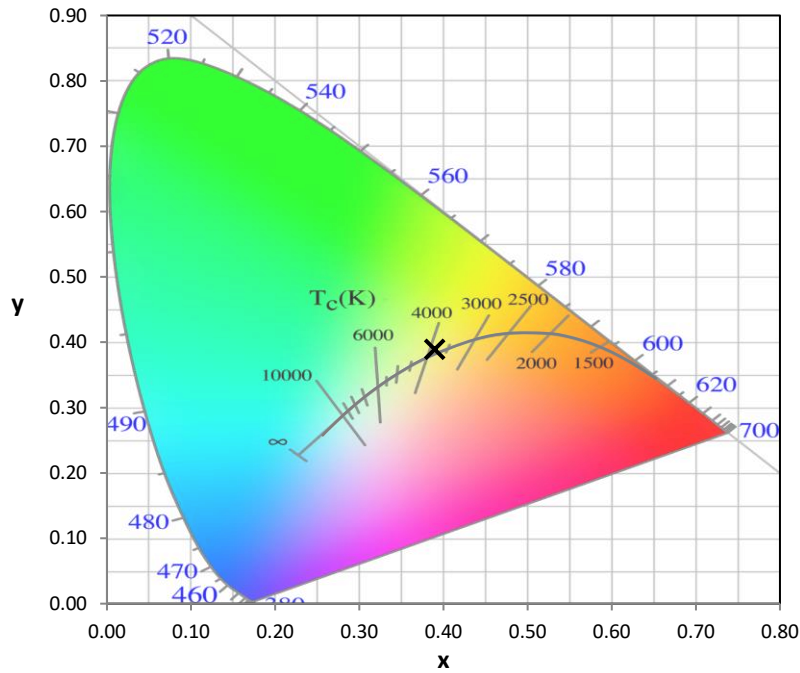
Stabilization Time: 23M
 Operation Time: 1H 23M
 Sphere Temperature (°C): 25.2

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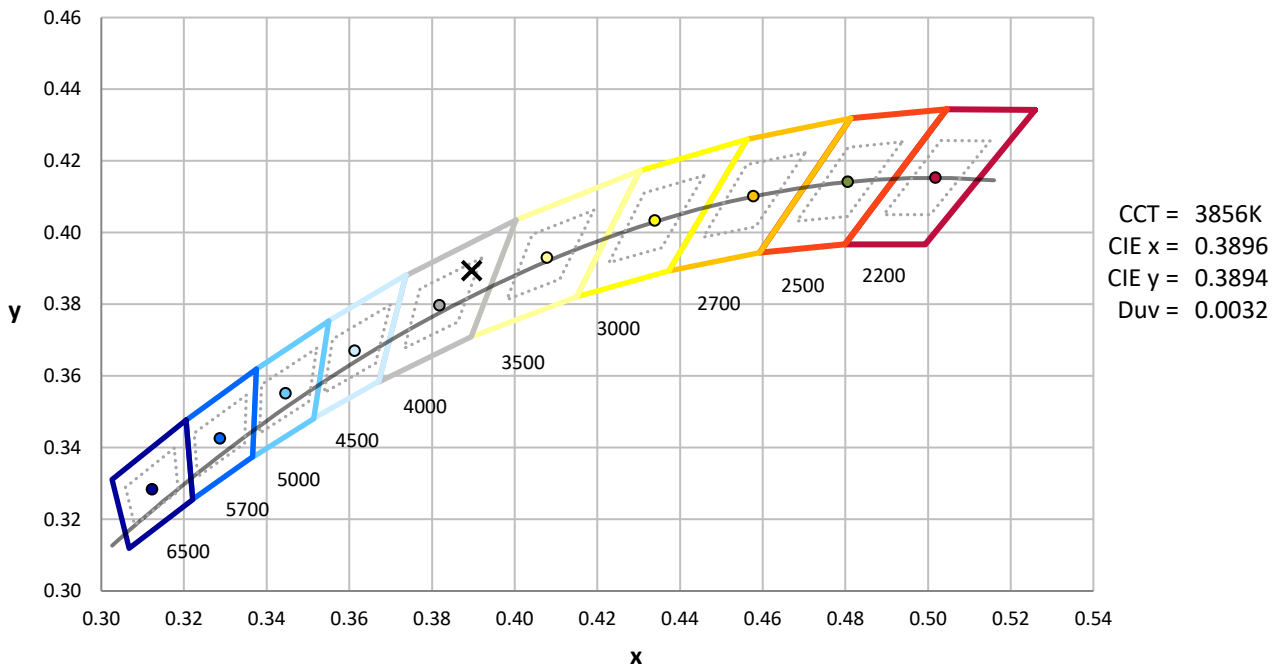
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



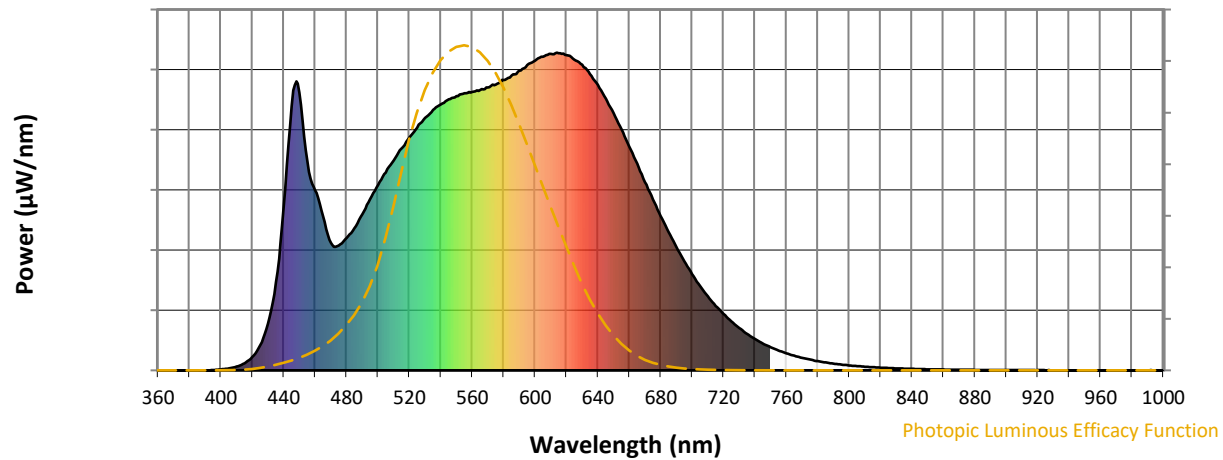
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

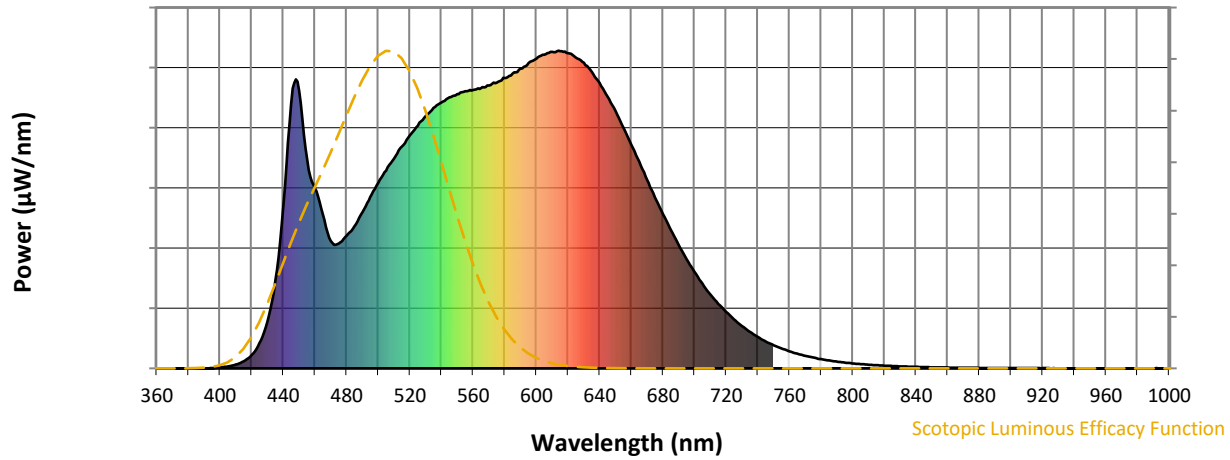


Photopic Lumens: NR

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	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



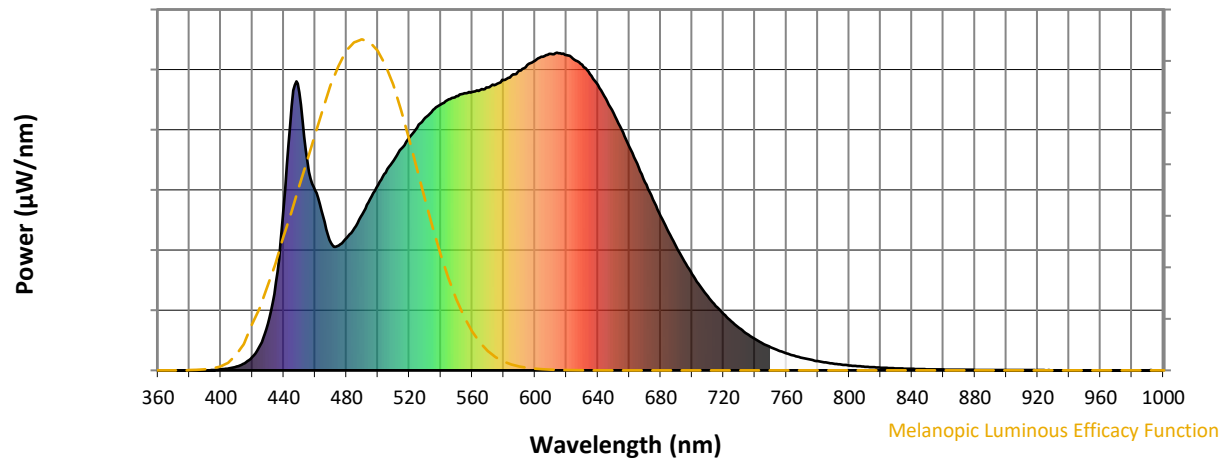
Scotopic Lumens: NR

S/P: 1.72

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	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.52

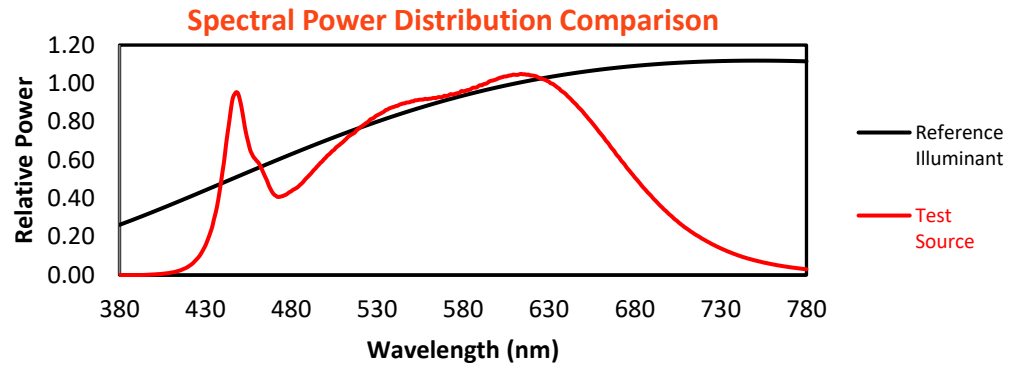
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

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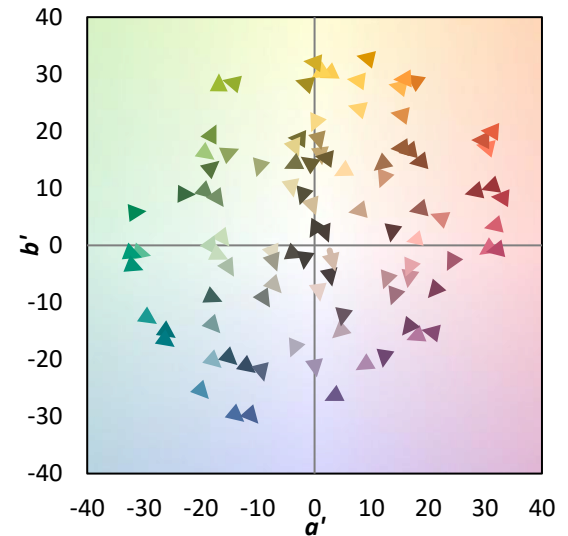
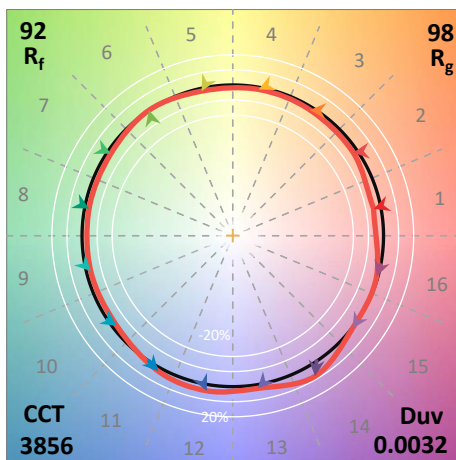
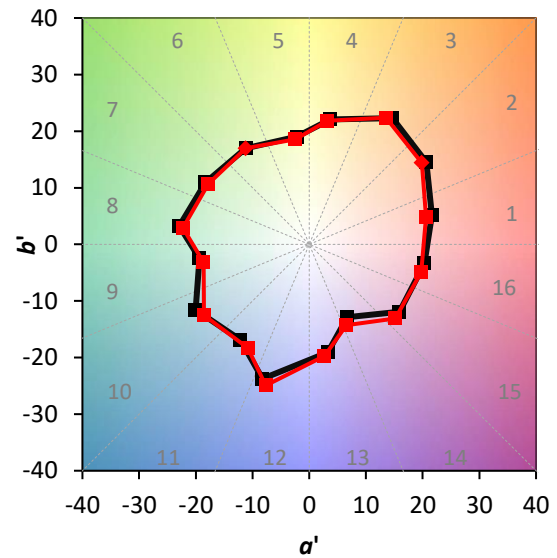
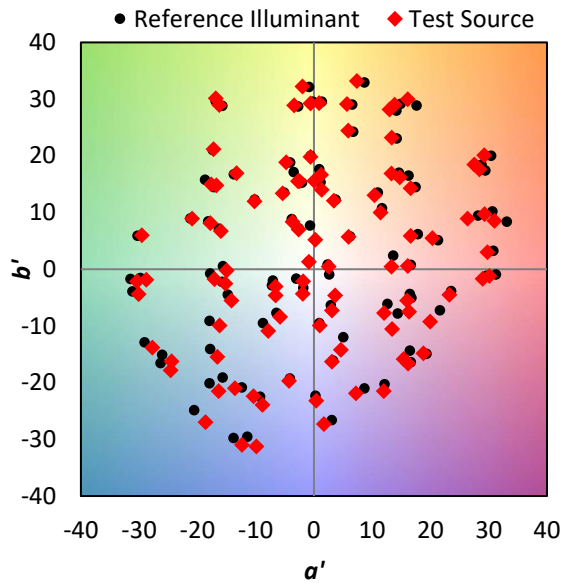
TM-30-18

Summary

$R_f = 91.8$
 $R_g = 98.4$
 $CIE\ R_a = 92.1$
 $R_9 = 60.7$

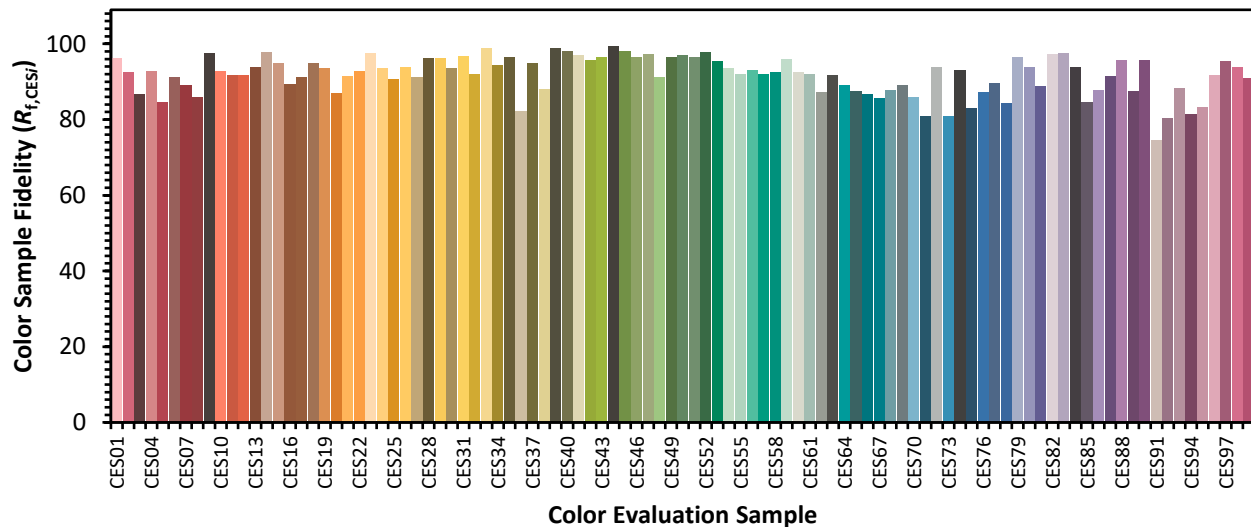


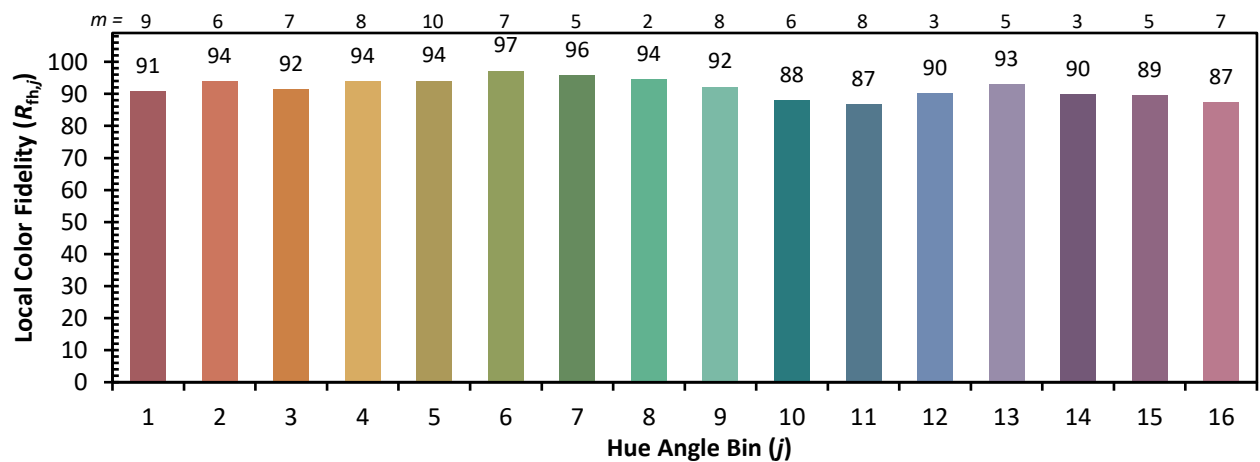
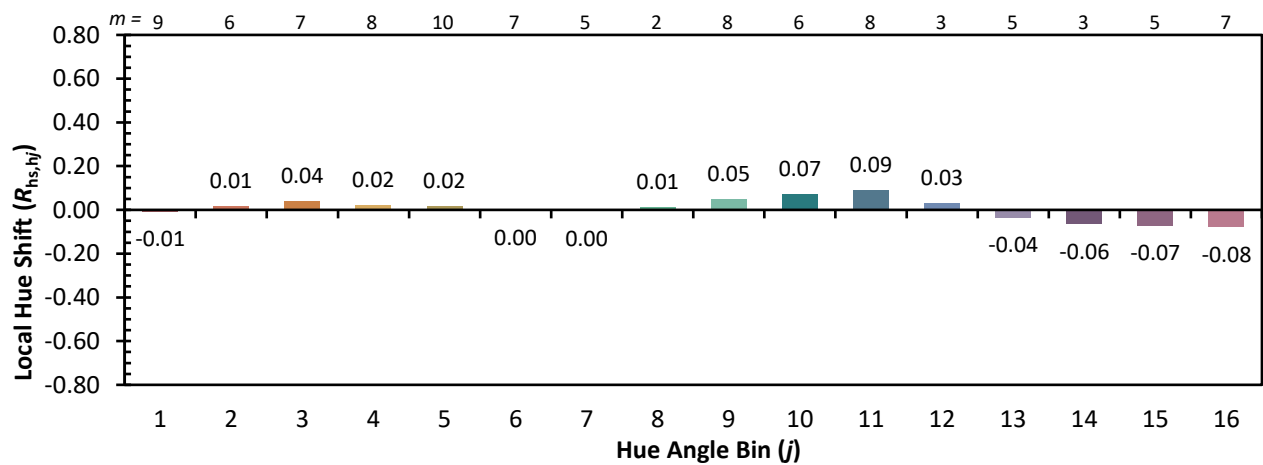
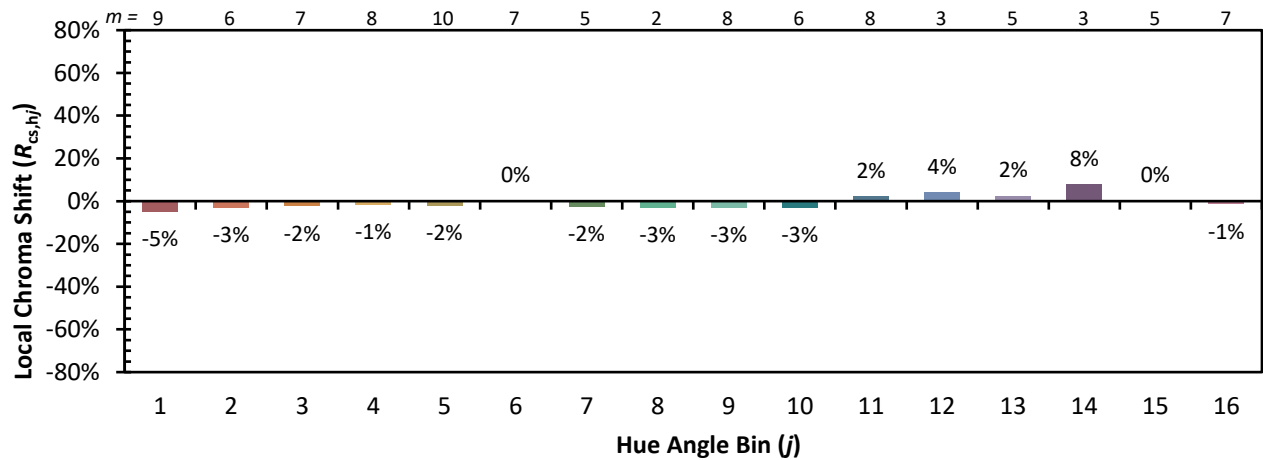
Color Vector Graphics



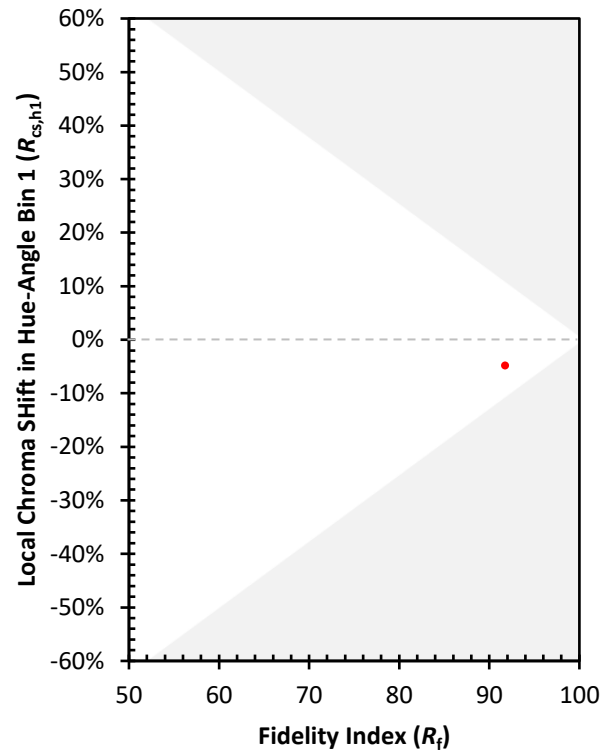
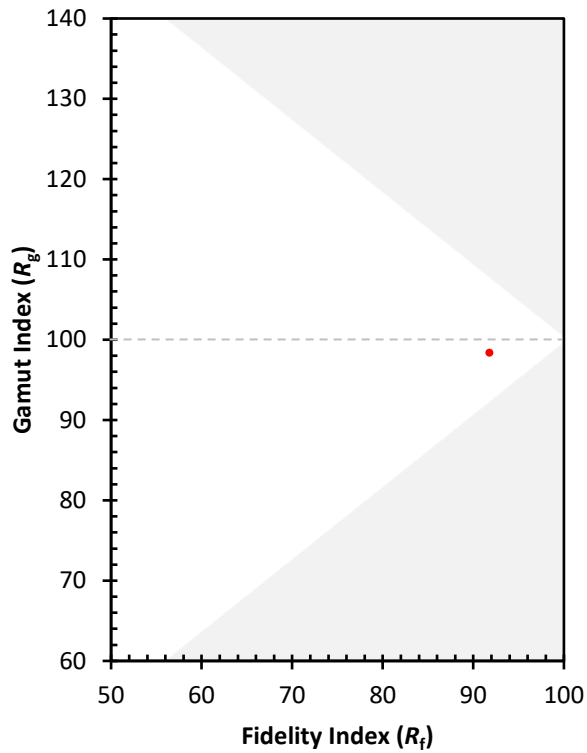
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 94	CES51 = 96	CES76 = 87
CES02 = 62	CES27 = 91	CES52 = 98	CES77 = 90
CES03 = 31	CES28 = 96	CES53 = 95	CES78 = 84
CES04 = 69	CES29 = 96	CES54 = 94	CES79 = 96
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 94
CES06 = 50	CES31 = 97	CES56 = 93	CES81 = 89
CES07 = 42	CES32 = 92	CES57 = 92	CES82 = 97
CES08 = 41	CES33 = 99	CES58 = 92	CES83 = 98
CES09 = 29	CES34 = 94	CES59 = 96	CES84 = 94
CES10 = 74	CES35 = 96	CES60 = 93	CES85 = 85
CES11 = 57	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 63	CES37 = 95	CES62 = 87	CES87 = 92
CES13 = 43	CES38 = 88	CES63 = 92	CES88 = 96
CES14 = 74	CES39 = 99	CES64 = 89	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 88	CES90 = 96
CES16 = 47	CES41 = 97	CES66 = 87	CES91 = 74
CES17 = 49	CES42 = 96	CES67 = 86	CES92 = 80
CES18 = 56	CES43 = 96	CES68 = 88	CES93 = 88
CES19 = 71	CES44 = 99	CES69 = 89	CES94 = 82
CES20 = 66	CES45 = 98	CES70 = 86	CES95 = 83
CES21 = 85	CES46 = 97	CES71 = 81	CES96 = 92
CES22 = 78	CES47 = 97	CES72 = 94	CES97 = 95
CES23 = 91	CES48 = 91	CES73 = 81	CES98 = 94
CES24 = 90	CES49 = 96	CES74 = 93	CES99 = 91
CES25 = 71	CES50 = 97	CES75 = 83	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)