

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: P1048785

Luminaire Tested: **GALN-SA3A-940-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048785
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-940-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 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: 8137.6 lumens
Efficiency: N/A
Efficacy: 100.0 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): 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

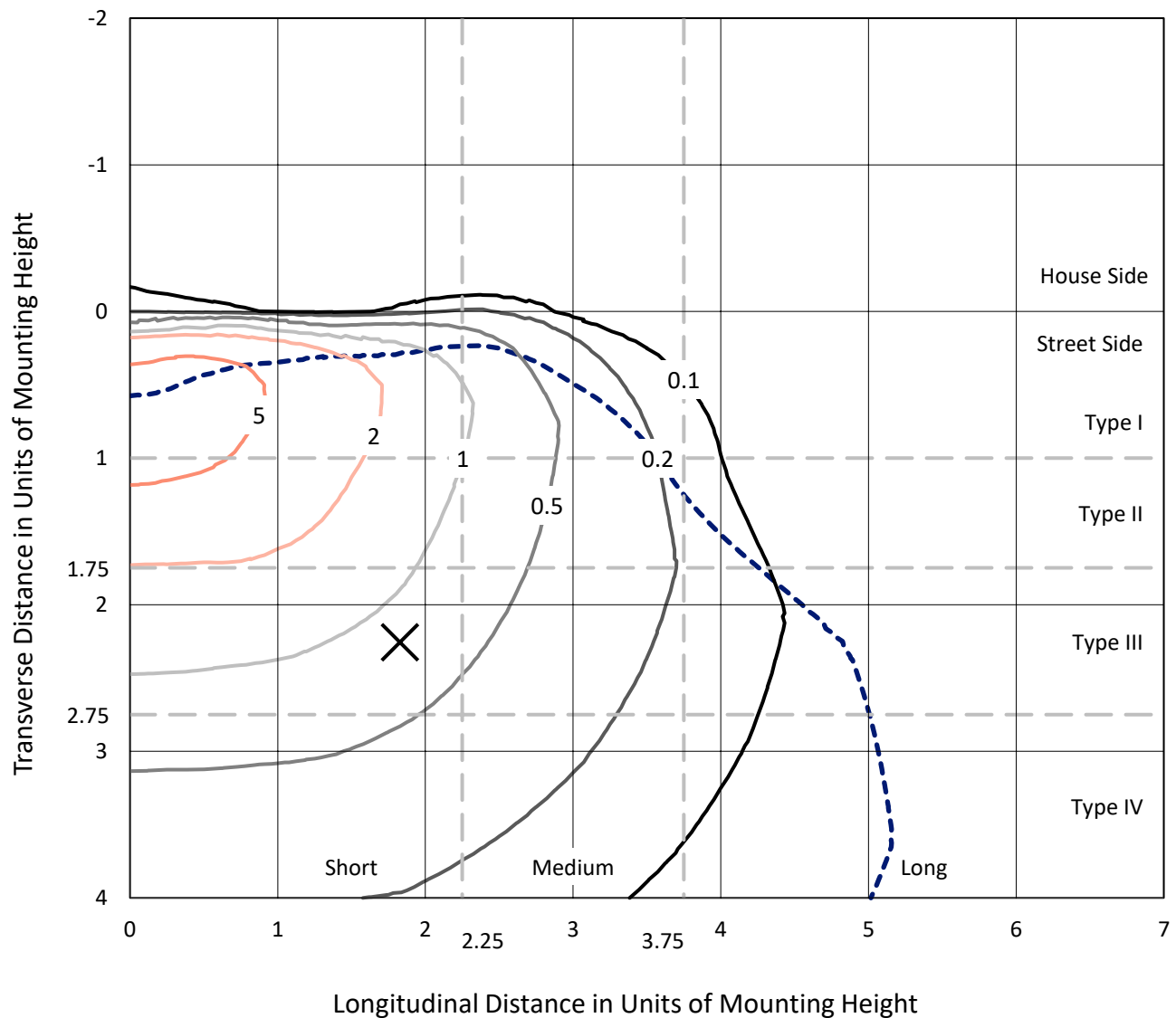


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

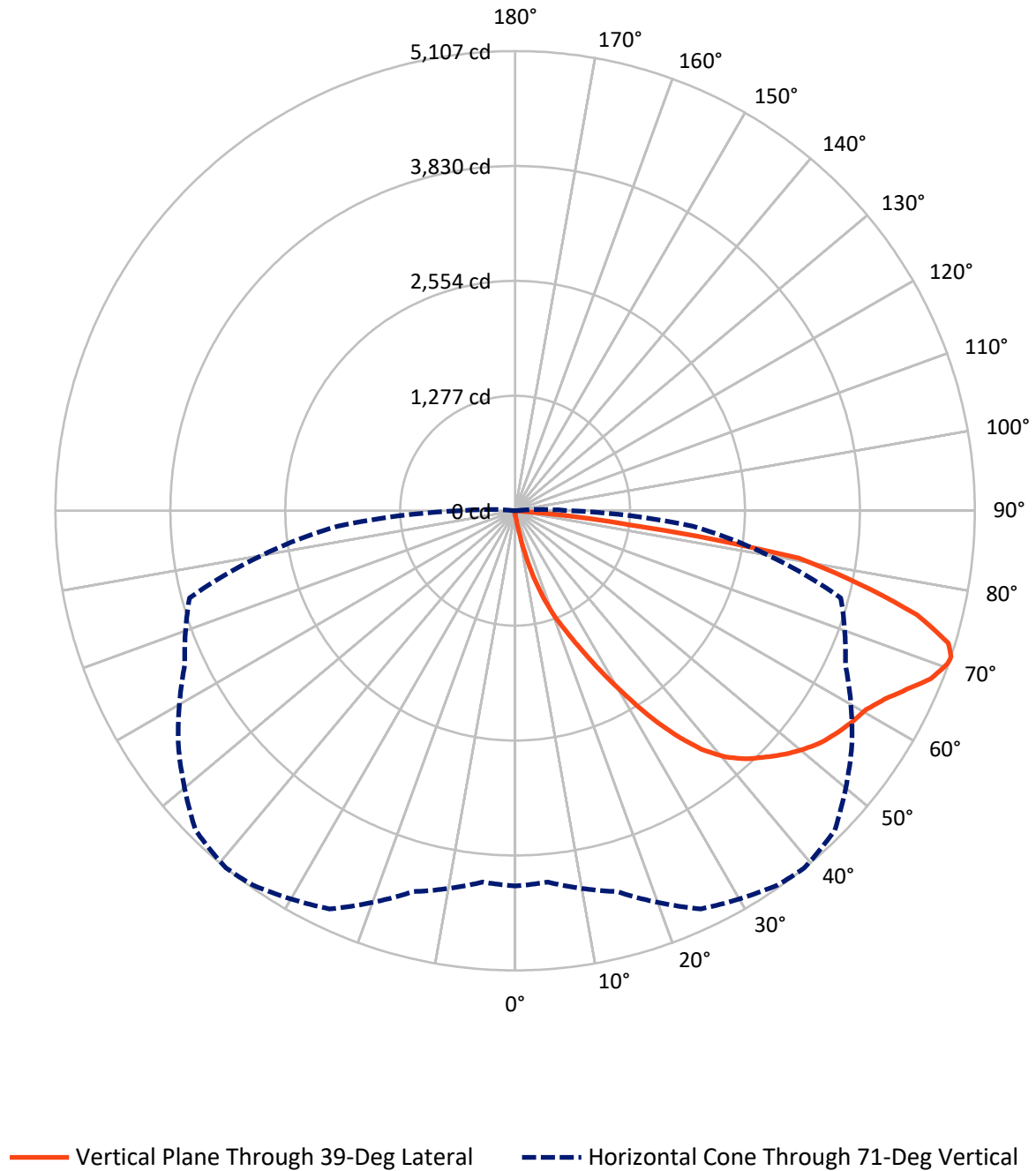


Based on 15 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - N/A

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CATALOG NUMBER: GALN-SA3A-940-U-T4BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28.9	0.0	28.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	8108.7	0.0	8108.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	8137.6	0.0	8137.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	87.0	1.1
20°-30°	309.7	3.8
30°-40°	746.5	9.2
40°-50°	1249.3	15.4
50°-60°	1604.6	19.7
60°-70°	2030.6	25.0
70°-80°	1810.4	22.2
80°-90°	292.7	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°	8137.6	100.0
0°-180°	8137.6	100.0



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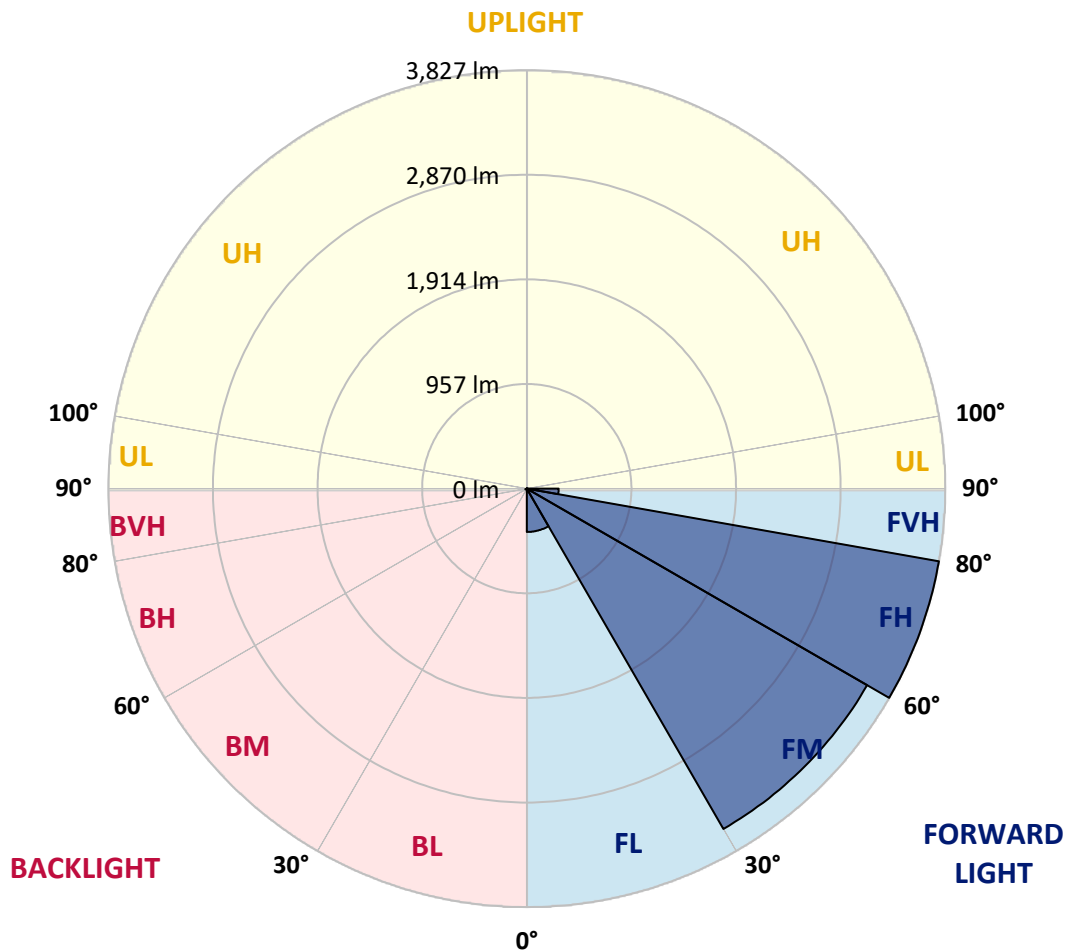
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	396.5	4.9			
FM	(30°-60°)	3593.7	44.2			
FH	(60°-80°)	3827.1	47.0			G2/5000
FVH	(80°-90°)	291.3	3.6			G3/500
BL	(0°-30°)	7.0	0.1	B0/110		
BM	(30°-60°)	6.7	0.1	B0/220		
BH	(60°-80°)	13.9	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2.5°	51.2	51.2	51.2	49.6	49.6	49.0	48.5	48.5	47.4	46.8	45.7
5°	77.7	76.0	72.2	70.0	65.6	62.8	60.0	56.2	52.3	49.6	46.3
7.5°	175.7	179.6	166.9	143.2	119.0	108.5	90.9	73.3	60.6	52.3	46.8
10°	447.9	445.7	402.7	355.3	274.3	241.8	189.5	119.5	78.2	57.3	47.4
12.5°	761.9	759.7	709.0	644.5	537.7	469.9	370.7	223.1	112.4	65.0	47.4
15°	1025.7	1016.9	1000.9	937.0	812.0	755.2	624.1	394.4	181.8	78.2	48.5
17.5°	1200.3	1192.6	1177.8	1154.6	1075.3	1008.1	902.9	619.7	294.2	101.4	50.7
20°	1360.7	1355.1	1343.0	1338.6	1287.4	1251.6	1164.5	878.6	458.3	137.7	54.0
22.5°	1581.0	1569.4	1574.4	1547.9	1497.8	1454.9	1401.4	1149.7	658.8	198.3	60.0
25°	1850.9	1845.4	1831.6	1812.9	1743.5	1706.0	1624.0	1405.3	883.0	277.6	66.7
27.5°	2177.0	2171.0	2167.7	2124.7	2044.8	2004.1	1889.5	1646.6	1135.3	388.9	75.5
30°	2552.7	2555.5	2534.0	2478.9	2385.8	2328.5	2210.6	1899.4	1393.7	519.5	84.8
32.5°	2941.7	2936.1	2903.1	2838.1	2754.9	2701.5	2551.6	2176.5	1664.7	691.9	95.9
35°	3360.9	3350.4	3263.4	3189.0	3117.9	3050.7	2914.1	2498.2	1935.8	885.3	110.7
37.5°	3783.9	3734.9	3560.3	3466.1	3417.1	3362.0	3234.7	2841.4	2205.1	1101.2	128.9
40°	4103.4	4065.4	3858.3	3684.8	3645.7	3598.8	3504.1	3137.8	2491.6	1333.1	150.9
42.5°	4280.3	4259.3	4073.1	3901.8	3809.8	3768.5	3687.5	3396.7	2774.7	1589.3	182.9
45°	4355.7	4323.2	4198.7	4118.9	3972.3	3904.0	3807.6	3592.2	3070.6	1880.1	227.5
47.5°	4332.6	4313.9	4224.6	4253.8	4147.5	4041.2	3899.6	3742.1	3323.4	2214.0	288.7
50°	4187.2	4171.2	4143.7	4301.8	4288.5	4162.9	4018.6	3860.5	3530.0	2558.2	383.4
52.5°	3910.6	3904.0	3974.5	4264.3	4368.4	4270.4	4133.2	3965.2	3722.8	2918.0	518.9
55°	3554.2	3581.2	3782.8	4205.9	4409.2	4349.7	4234.5	4063.2	3877.6	3239.7	718.9
57.5°	3407.7	3414.9	3666.6	4164.6	4427.4	4419.6	4333.2	4156.9	4019.7	3496.9	1024.1
60°	3579.0	3568.0	3700.8	4196.0	4463.7	4482.4	4420.7	4243.9	4143.1	3717.8	1430.6
62.5°	3888.6	3882.5	3925.0	4329.9	4570.0	4608.0	4542.5	4306.7	4252.2	3863.3	1894.4
65°	4165.1	4152.5	4231.2	4567.3	4756.8	4783.8	4726.5	4414.1	4300.1	3969.0	2330.2
67.5°	4284.7	4281.9	4408.6	4793.1	4952.9	4982.1	4932.0	4562.3	4289.1	4002.6	2522.4
70°	4230.1	4219.7	4422.4	4889.0	5063.6	5096.7	5048.2	4617.4	4169.5	3896.3	2237.6
71°	4170.1	4142.0	4381.1	4882.4	5079.0	5107.1	5022.3	4567.3	4049.5	3745.4	1979.3
72.5°	3983.9	3988.9	4267.6	4813.5	5042.1	5033.9	4875.8	4387.7	3904.6	3402.7	1589.8
75°	3525.6	3554.8	3900.2	4524.3	4712.7	4607.5	4365.7	4044.5	3613.7	2439.8	1103.9
77.5°	2881.1	2924.6	3304.1	3967.9	3914.5	3904.0	3894.1	3563.6	3086.0	1310.5	767.9
80°	1375.5	1469.7	1993.1	2832.6	3077.2	3195.6	3121.2	2871.7	2386.4	624.1	458.9
82.5°	89.8	88.7	125.6	238.0	1003.1	1296.8	2060.3	2052.5	1663.6	304.1	187.3
85°	42.4	43.5	47.9	54.5	63.4	69.4	95.9	561.9	796.0	144.9	40.8
87.5°	24.8	25.3	29.7	38.0	49.6	55.1	65.6	84.3	103.6	79.9	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-940-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2.5°	45.2	44.6	43.0	41.3	39.7	38.6	38.0	38.6	38.6	39.1	39.1
5°	45.2	43.5	40.8	37.5	35.3	33.1	32.0	31.4	32.0	32.0	32.0
7.5°	44.6	41.9	38.0	34.2	31.4	28.6	27.5	27.0	27.0	27.5	27.5
10°	43.5	40.8	35.8	31.4	28.1	24.8	23.1	21.5	21.5	21.5	22.0
12.5°	43.0	39.1	33.1	28.6	24.2	20.4	17.1	15.4	16.0	16.0	16.0
15°	41.9	37.5	31.4	25.9	20.4	15.4	12.7	11.0	11.6	12.1	11.6
17.5°	41.9	36.9	29.2	22.6	16.0	11.6	9.4	8.3	8.3	8.8	8.8
20°	41.9	35.8	27.5	19.3	12.1	8.8	6.6	6.1	6.1	7.2	7.7
22.5°	43.0	35.8	25.3	16.0	9.9	6.6	5.0	4.4	5.0	6.1	6.6
25°	44.6	35.3	23.1	14.3	8.3	5.0	3.9	2.8	3.3	4.4	5.0
27.5°	46.3	34.7	20.9	12.7	6.6	3.9	2.8	2.2	1.7	2.2	2.2
30°	47.9	34.7	18.7	10.5	5.5	2.8	1.7	1.1	0.6	0.0	0.0
32.5°	49.0	33.6	17.1	8.3	4.4	2.2	1.1	0.6	0.0	0.0	0.0
35°	50.1	32.5	14.9	6.6	3.3	1.7	0.6	0.0	0.0	0.0	0.0
37.5°	51.2	30.8	12.7	5.5	2.8	1.1	0.0	0.0	0.0	0.0	0.0
40°	52.3	28.6	10.5	5.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	53.4	27.0	8.8	3.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	56.2	25.9	7.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	61.1	24.8	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	68.3	23.7	6.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	78.2	23.1	5.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	95.9	22.6	5.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	126.1	22.0	5.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	193.4	20.9	5.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	345.4	20.4	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	602.1	20.9	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	863.2	22.0	3.9	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	738.7	19.3	3.9	2.2	1.1	0.6	0.0	0.0	0.0	0.0	0.0
71°	602.1	17.1	3.9	2.2	1.1	0.6	0.6	0.0	0.0	0.0	0.0
72.5°	387.3	13.2	3.3	2.2	1.1	1.1	0.6	0.0	0.0	0.0	0.0
75°	163.6	11.0	3.3	2.2	1.7	1.1	1.1	0.6	0.0	0.0	0.0
77.5°	70.0	8.3	3.3	2.8	2.2	1.7	1.7	1.1	0.6	0.0	0.0
80°	26.4	6.6	3.9	3.3	2.8	2.8	2.2	1.1	0.6	0.0	0.0
82.5°	12.1	5.5	3.9	3.3	3.3	2.8	2.2	1.7	1.1	0.0	0.0
85°	7.7	5.0	3.9	3.3	3.3	2.8	2.8	1.7	1.1	0.0	0.0
87.5°	6.1	5.0	3.9	3.9	3.3	3.3	2.2	1.7	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

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

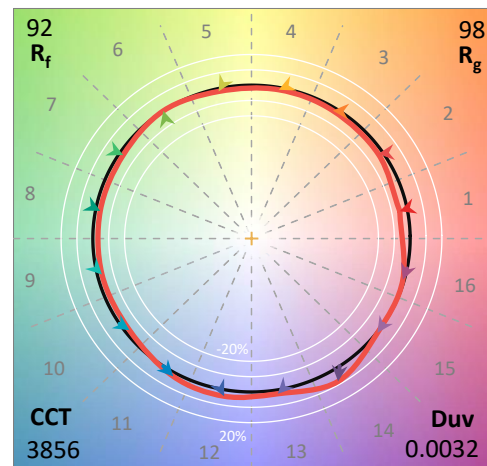
Test Information

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

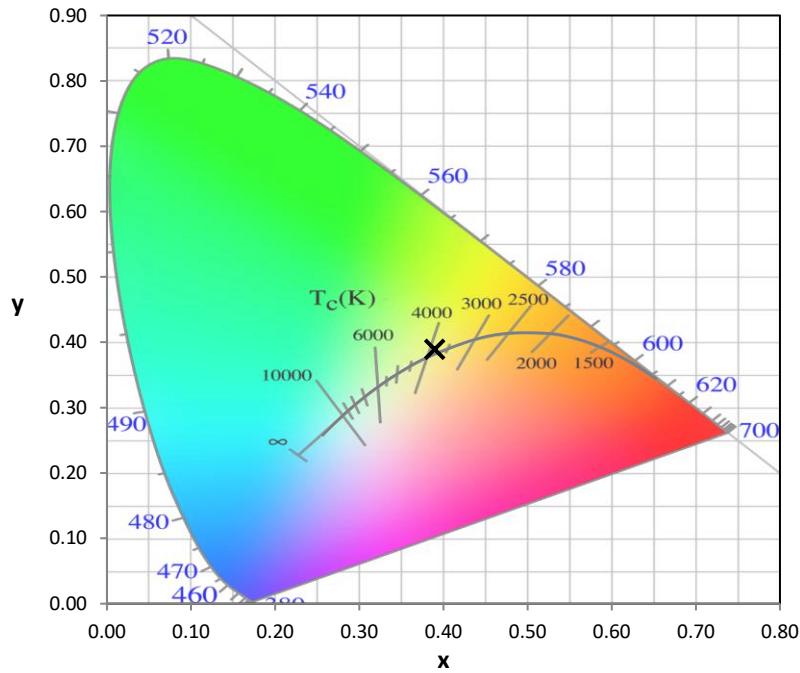
Stabilization Time: 23M
 Operation Time: 1H 23M
 Sphere Temperature (°C): 25.2

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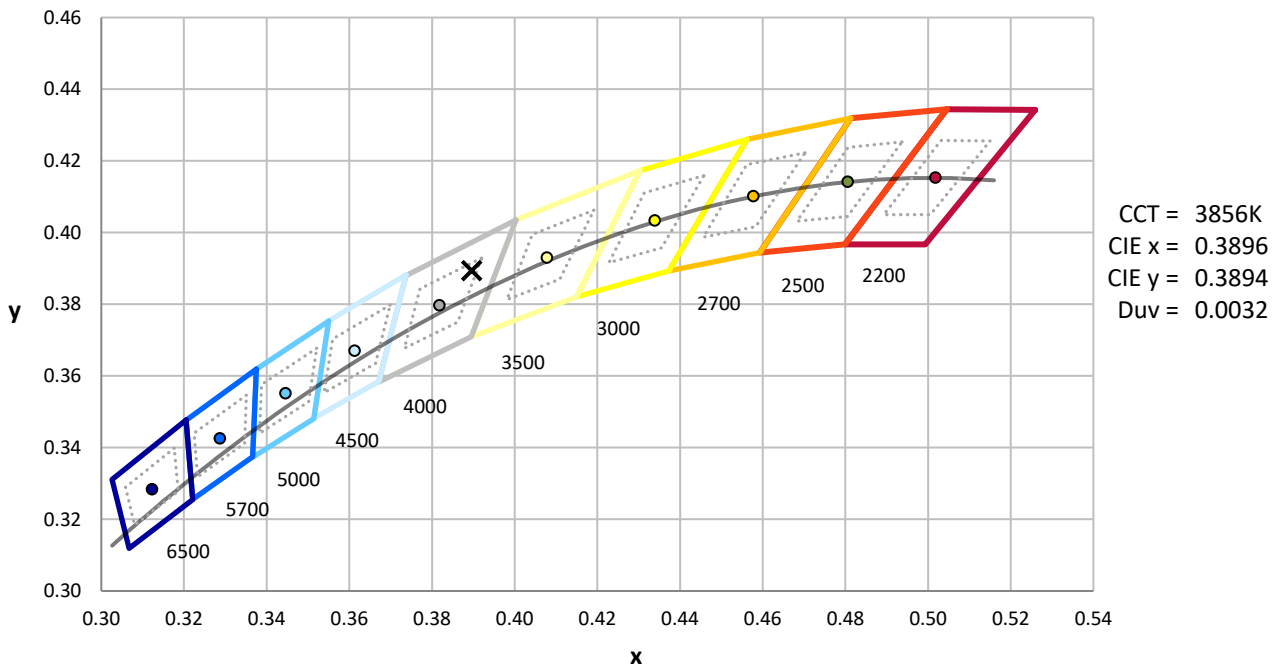
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



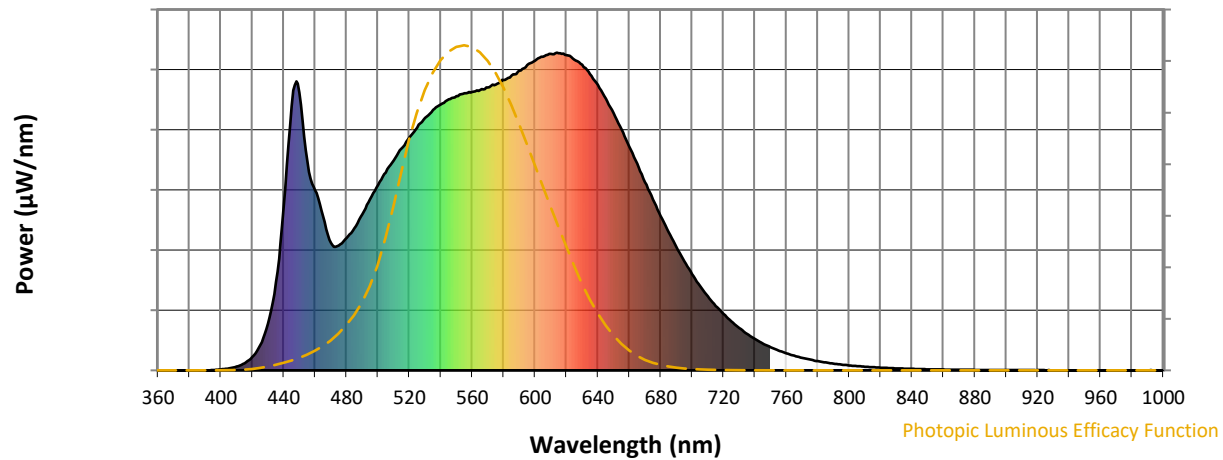
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

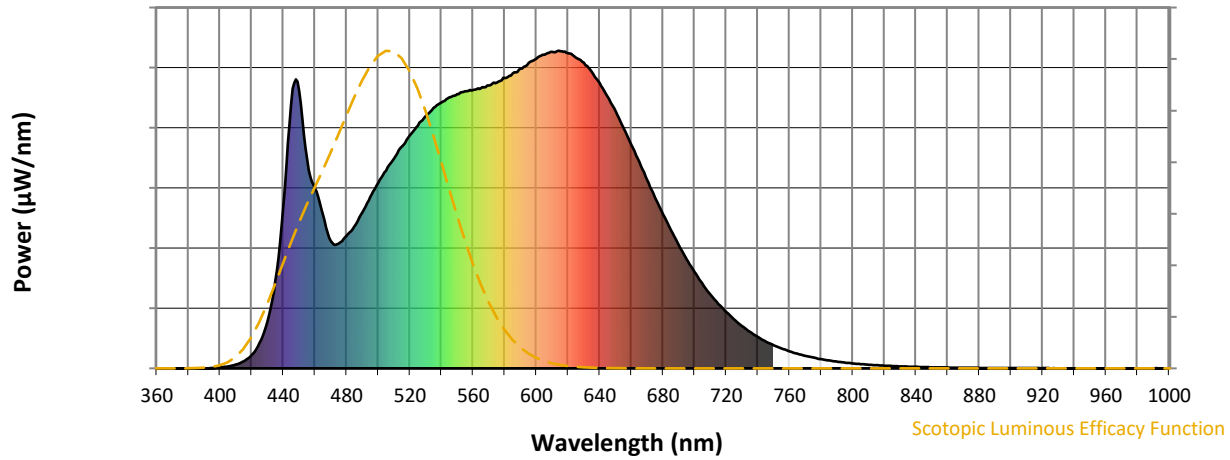


Photopic Lumens: NR

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



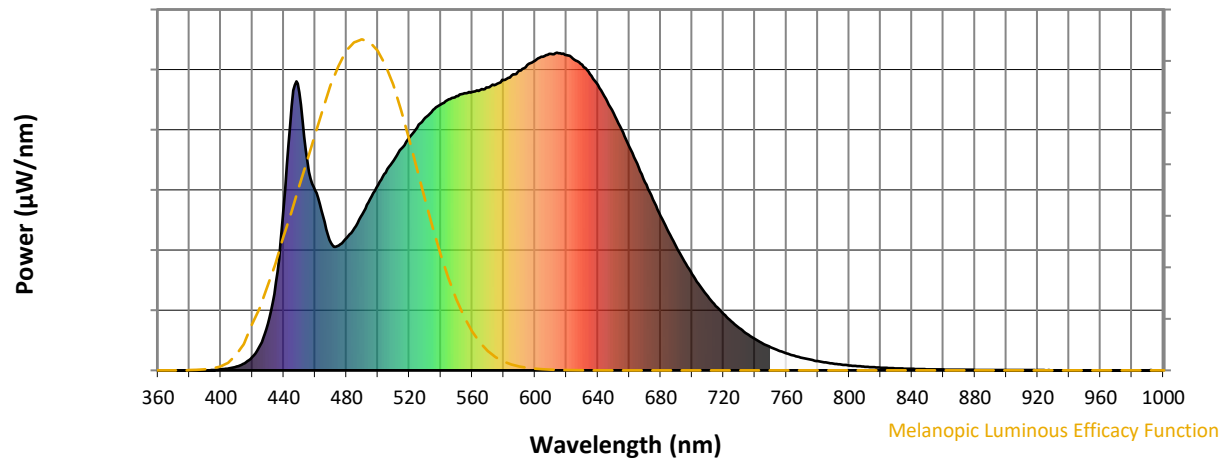
Scotopic Lumens: NR

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

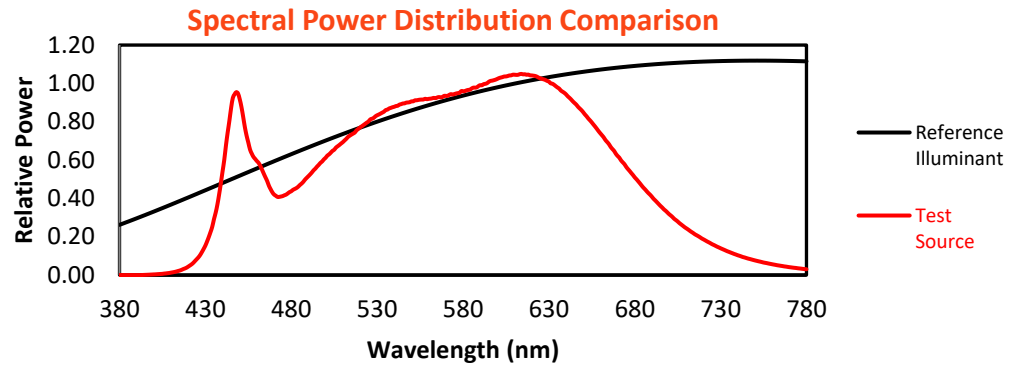
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	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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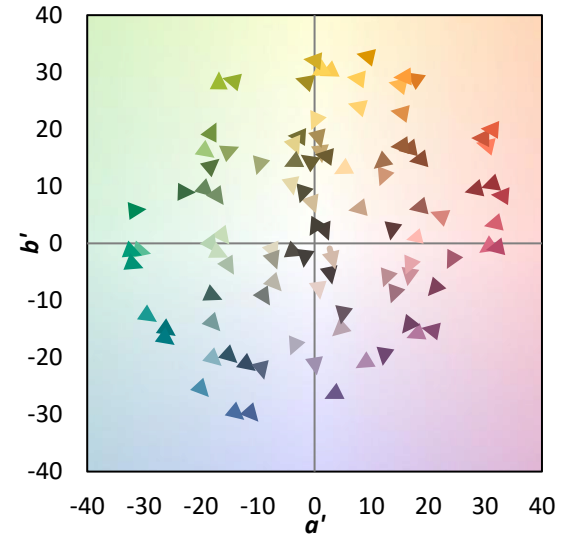
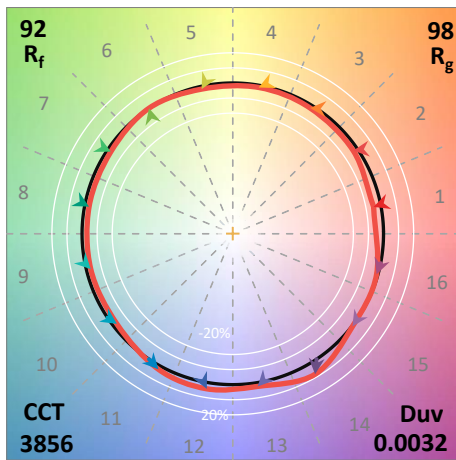
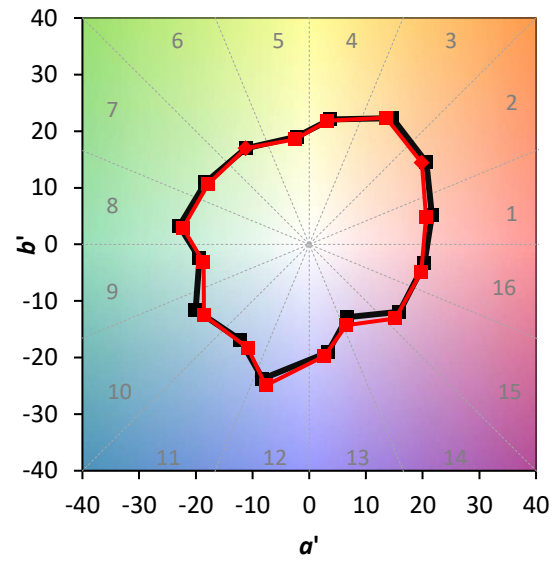
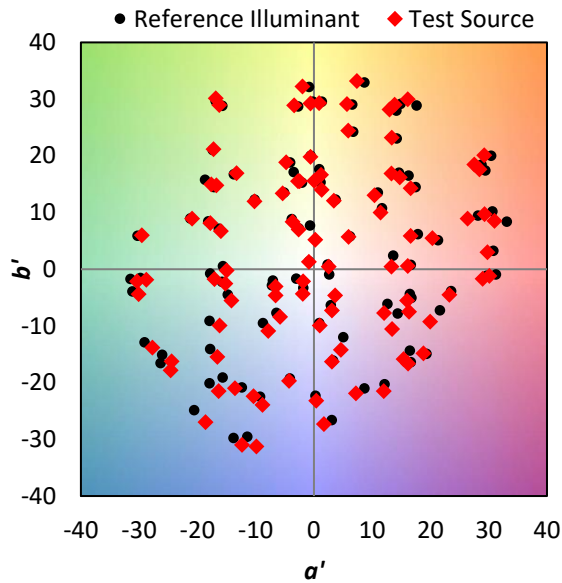
TM-30-18

Summary

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

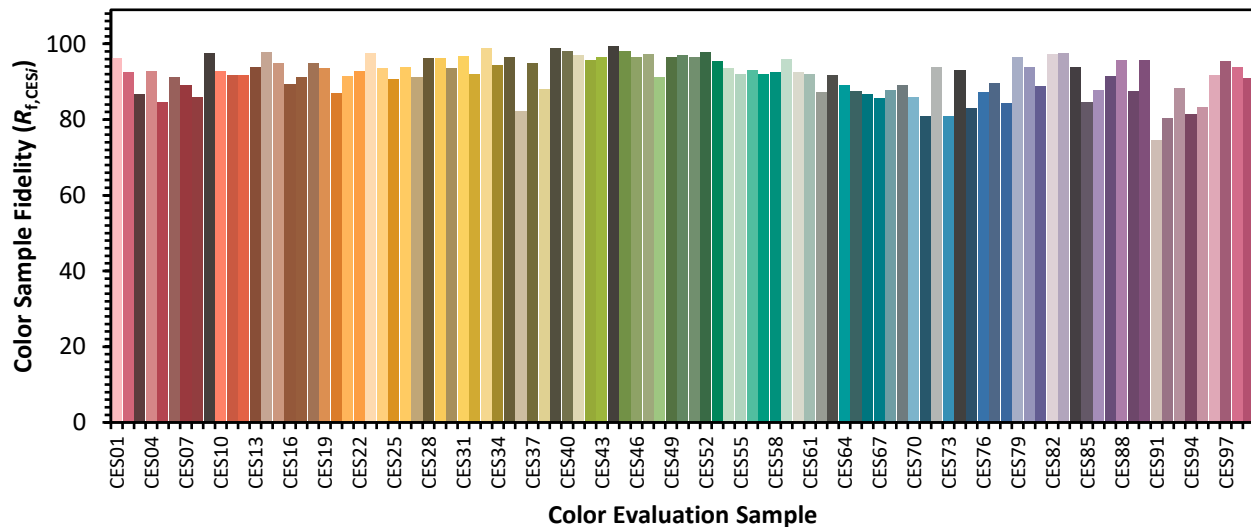


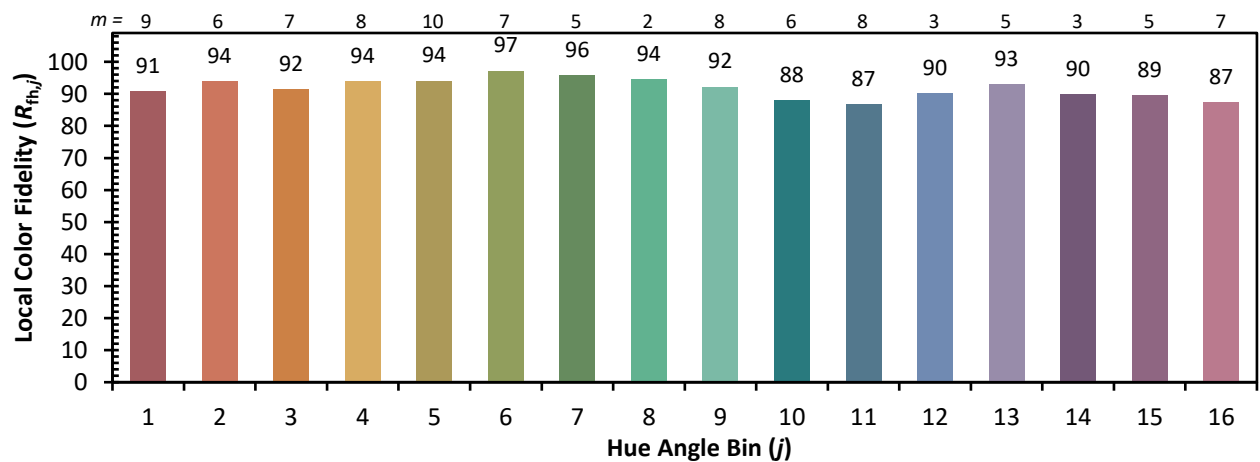
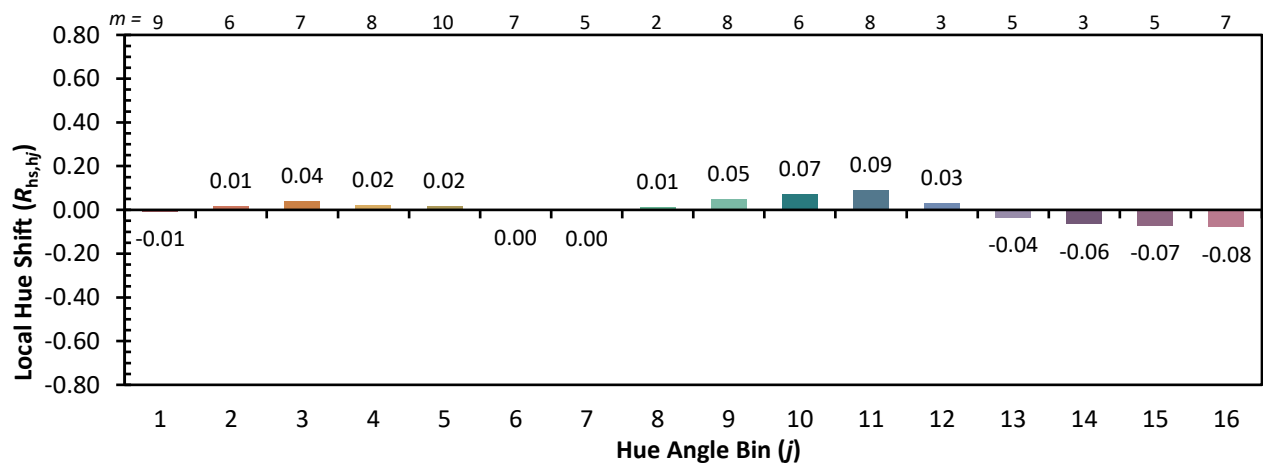
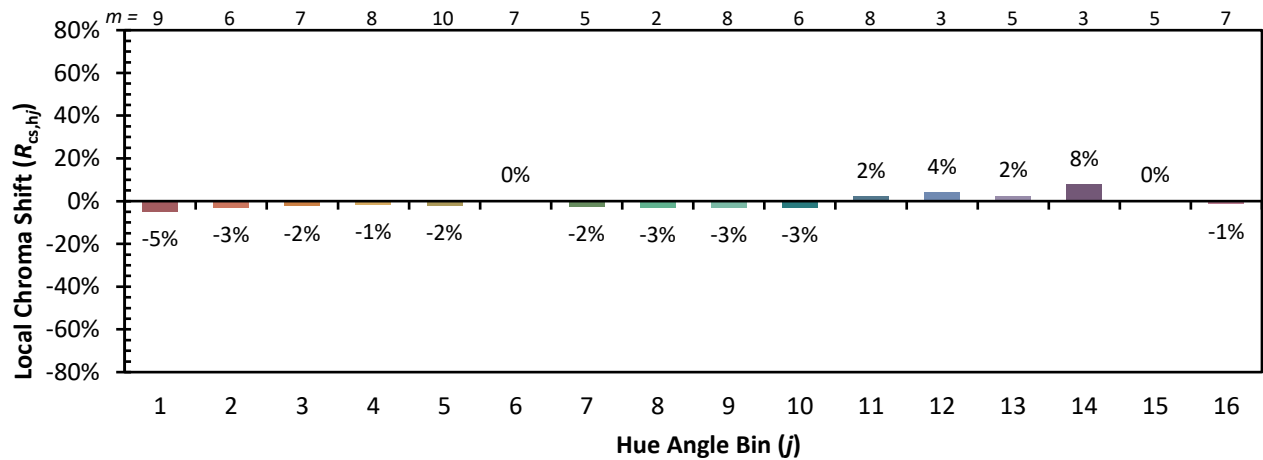
Color Vector Graphics



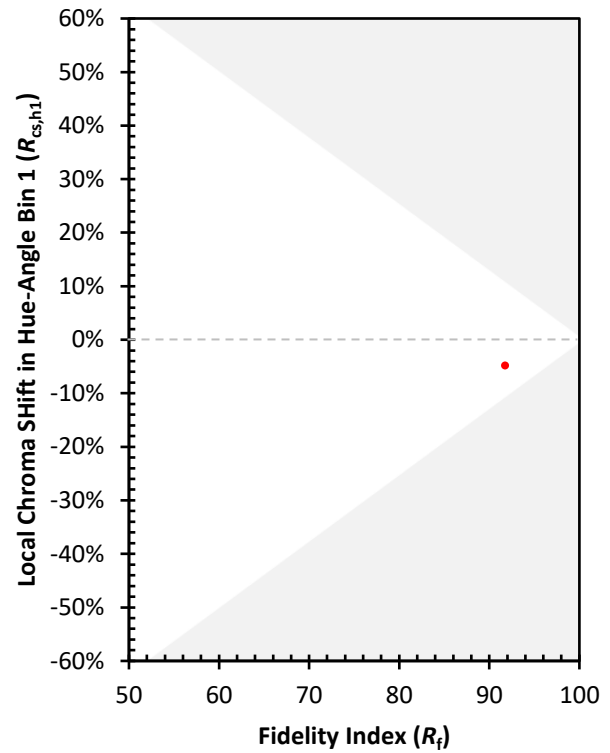
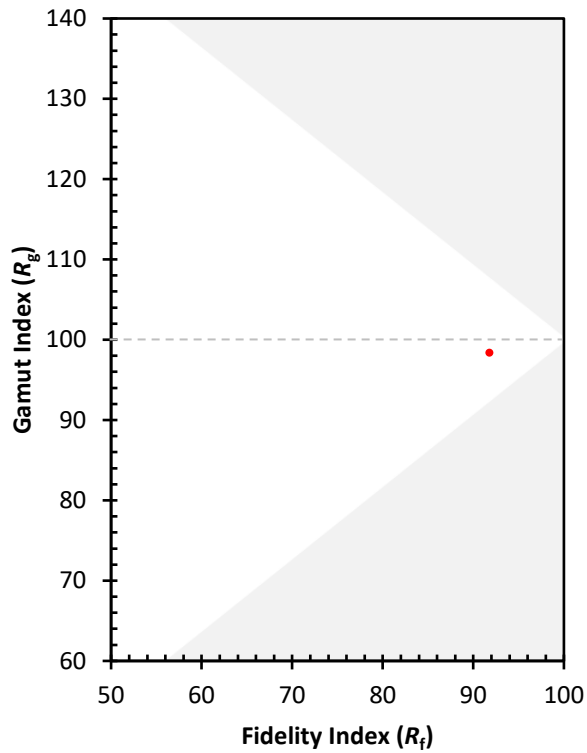
Individual Sample Fidelity Index ($R_{f,i}$)

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)