

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: P1047566

Luminaire Tested: **GALN-SA4B-940-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047566
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-940-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
90CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13818 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

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

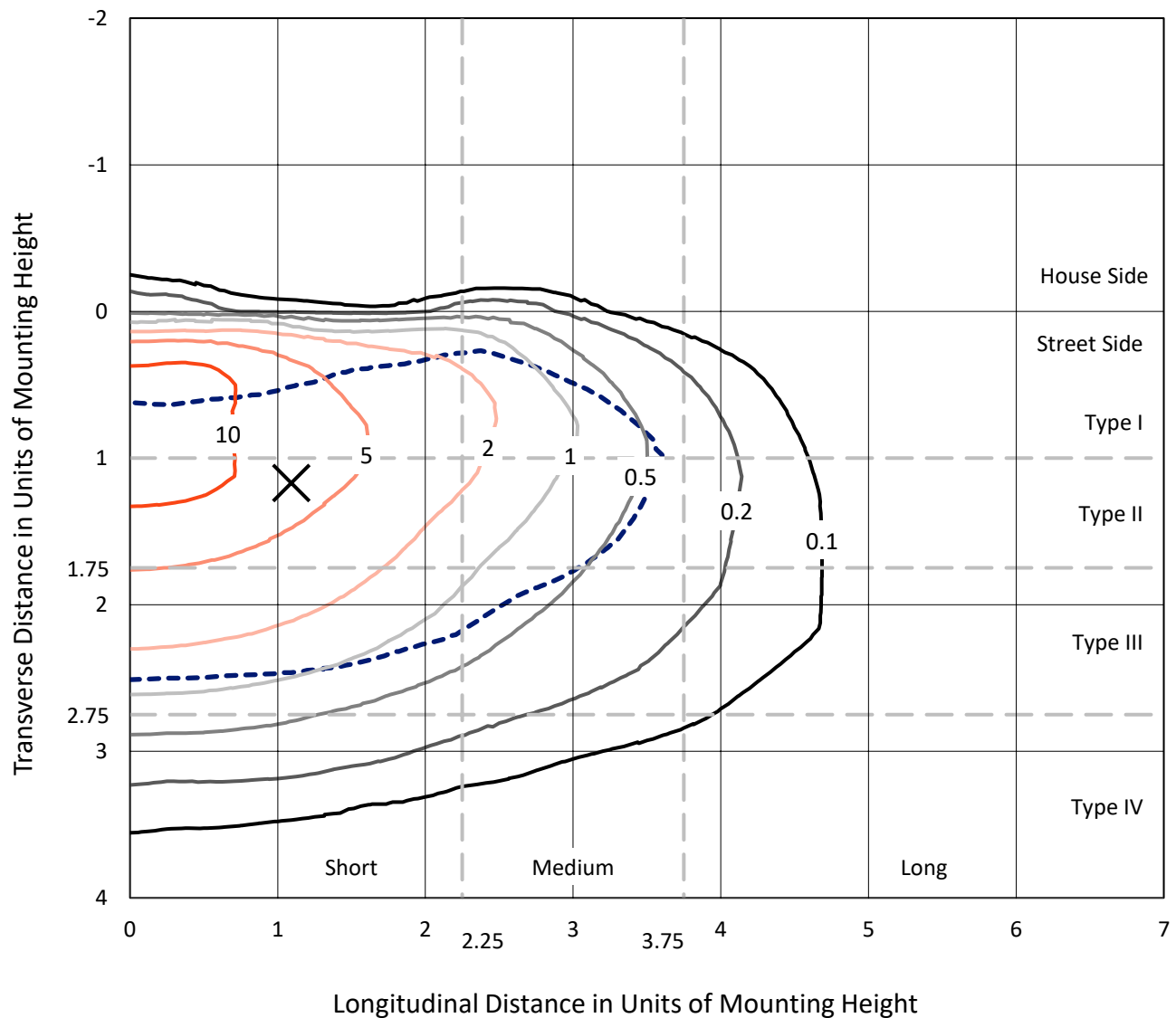


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CATALOG NUMBER: GALN-SA4B-940-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

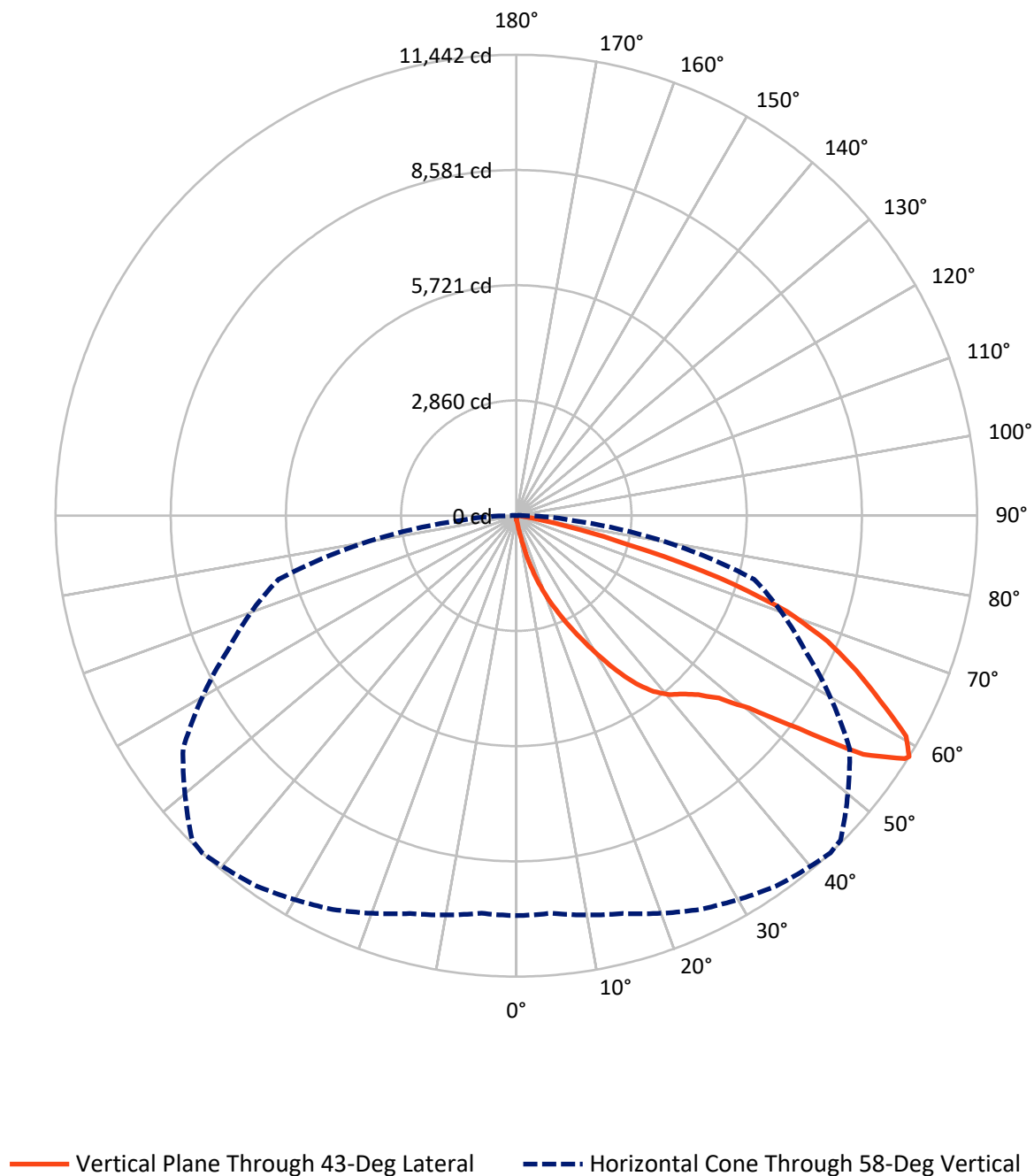


Based on 15 foot mounting height. Maximum calculated value = 15.5 fc
 Type III - Short - N/A

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CATALOG NUMBER: GALN-SA4B-940-U-T3BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	50.4	0.0	50.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13767.5	0.0	13767.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	13818.0	0.0	13818.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.1
10°-20°	158.8	1.1
20°-30°	572.5	4.1
30°-40°	1309.9	9.5
40°-50°	2209.2	16.0
50°-60°	3645.7	26.4
60°-70°	4074.6	29.5
70°-80°	1682.3	12.2
80°-90°	151.7	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°	13818.0	100.0
0°-180°	13818.0	100.0



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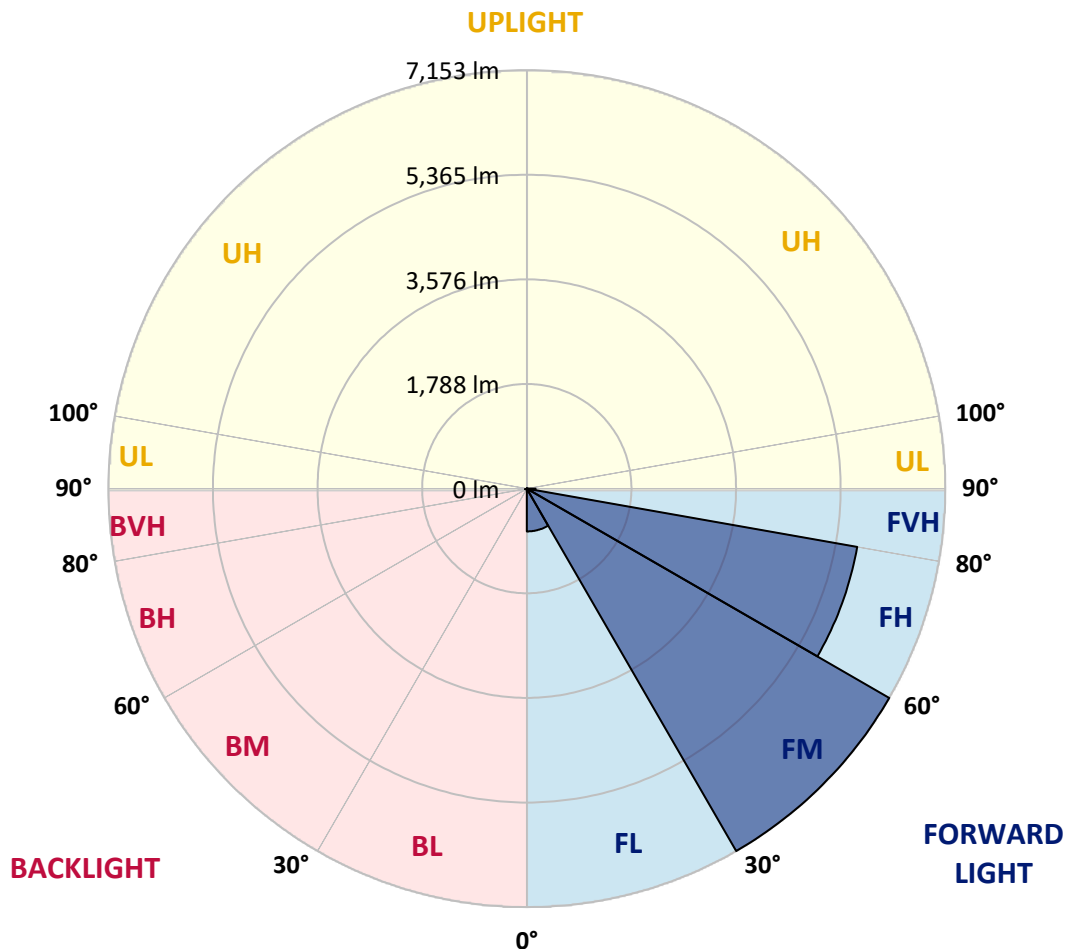
CATALOG NUMBER: GALN-SA4B-940-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	731.4	5.3			
FM	(30°-60°)	7152.7	51.8			
FH	(60°-80°)	5733.8	41.5			G3/7500
FVH	(80°-90°)	149.6	1.1			G2/225
BL	(0°-30°)	13.2	0.1	B0/110		
BM	(30°-60°)	12.1	0.1	B0/220		
BH	(60°-80°)	23.1	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	108.4	112.0	108.4	108.4	108.4	104.8	104.8	101.2	101.2	97.6	94.0
5°	159.0	159.0	148.2	140.9	133.7	130.1	126.5	119.3	112.0	104.8	97.6
7.5°	354.2	354.2	321.6	278.3	220.5	187.9	180.7	148.2	126.5	112.0	97.6
10°	845.7	845.7	773.4	654.1	506.0	375.9	336.1	213.2	151.8	119.3	101.2
12.5°	1405.8	1423.9	1333.6	1181.8	961.3	733.6	654.1	390.3	202.4	130.1	101.2
15°	1908.2	1864.8	1839.5	1695.0	1485.3	1214.3	1113.1	657.7	292.7	148.2	101.2
17.5°	2247.9	2247.9	2211.8	2114.2	1922.6	1684.1	1601.0	1062.5	473.4	169.9	104.8
20°	2645.4	2645.4	2580.4	2511.7	2341.9	2139.5	2060.0	1510.6	733.6	216.8	104.8
22.5°	3126.1	3133.3	3061.0	2938.2	2775.5	2551.5	2482.8	1926.2	1062.5	289.1	108.4
25°	3711.6	3718.8	3614.0	3498.3	3249.0	3006.8	2902.0	2403.3	1463.7	404.8	108.4
27.5°	4358.5	4409.1	4253.6	4054.9	3791.1	3487.5	3408.0	2833.4	1861.2	571.0	115.6
30°	5164.4	5164.4	4958.4	4680.1	4394.6	4018.7	3917.5	3285.1	2284.0	791.5	122.9
32.5°	5858.3	5804.0	5540.2	5247.5	4943.9	4593.4	4484.9	3758.5	2717.7	1066.1	137.3
35°	6389.5	6342.5	6017.3	5702.9	5439.0	5117.4	4987.3	4271.7	3176.7	1376.9	159.0
37.5°	6844.9	6826.8	6385.9	5992.0	5818.5	5536.6	5421.0	4756.0	3628.4	1713.0	184.3
40°	7343.6	7285.8	6816.0	6328.1	6067.9	5840.2	5735.4	5146.3	4062.1	2106.9	220.5
42.5°	7770.0	7701.4	7278.5	6801.5	6357.0	6049.8	5948.6	5475.2	4484.9	2500.9	267.4
45°	8243.5	8207.3	7780.9	7419.5	6826.8	6335.3	6201.6	5739.0	4871.6	2970.7	328.9
47.5°	8955.4	8890.4	8492.8	8196.5	7509.8	6769.0	6577.4	6010.0	5243.9	3433.3	422.8
50°	9783.0	9739.7	9504.8	9269.8	8586.8	7509.8	7282.2	6400.4	5659.5	3982.6	545.7
52.5°	10458.8	10451.6	10480.5	10484.1	9967.3	8756.7	8416.9	7029.2	6136.5	4524.7	719.2
55°	10444.4	10476.9	10794.9	11160.0	11199.7	10458.8	10130.0	8088.1	6758.1	5193.3	961.3
57.5°	10054.1	10028.8	10364.9	10914.2	11300.9	11380.4	11326.2	9732.4	7694.2	5999.2	1333.6
58°	9927.6	9905.9	10223.9	10784.1	11228.6	11441.8	11387.6	10104.7	7903.8	6114.8	1434.7
60°	9468.6	9472.2	9660.2	10169.7	10614.2	11120.2	11170.8	11167.2	8948.2	6888.2	1944.3
62.5°	8861.5	8832.6	9006.0	9421.6	9811.9	10151.7	10238.4	11239.5	10476.9	7871.2	2916.5
65°	8023.0	7979.7	8164.0	8633.8	9053.0	9273.5	9277.1	10270.9	11196.1	8926.5	4304.2
67.5°	6465.4	6429.3	6797.9	7401.4	8048.3	8337.4	8467.5	8912.1	10588.9	9642.1	5099.3
70°	3960.9	4036.8	4550.0	5496.9	6602.7	7134.0	7329.1	7466.5	9016.9	9533.7	4264.5
72.5°	1828.7	1738.3	2175.6	2837.0	4098.2	5280.0	5482.4	6020.9	7148.4	8276.0	3180.3
75°	852.9	820.4	921.6	1239.6	1857.6	2851.4	3220.1	4806.6	5482.4	5757.1	2294.9
77.5°	437.3	440.9	524.0	563.8	766.2	1319.1	1514.3	3162.2	4018.7	3212.8	1539.6
80°	191.5	198.8	202.4	220.5	310.8	509.6	574.6	1467.3	2746.6	1637.1	842.1
82.5°	122.9	126.5	126.5	126.5	148.2	202.4	231.3	589.1	1369.7	813.1	260.2
85°	65.1	65.1	72.3	90.3	104.8	122.9	130.1	187.9	451.7	242.1	61.4
87.5°	36.1	39.8	43.4	54.2	68.7	83.1	90.3	130.1	173.5	166.2	14.5
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-SA4B-940-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	94.0	90.3	86.7	83.1	79.5	75.9	75.9	75.9	75.9	75.9	75.9
5°	90.3	86.7	83.1	75.9	68.7	65.1	61.4	57.8	57.8	57.8	57.8
7.5°	90.3	86.7	75.9	68.7	61.4	54.2	47.0	47.0	47.0	47.0	47.0
10°	90.3	83.1	72.3	61.4	50.6	43.4	39.8	36.1	36.1	36.1	36.1
12.5°	90.3	79.5	68.7	54.2	43.4	36.1	32.5	28.9	28.9	28.9	28.9
15°	90.3	79.5	65.1	50.6	39.8	28.9	25.3	21.7	21.7	21.7	21.7
17.5°	86.7	75.9	61.4	43.4	32.5	21.7	18.1	14.5	14.5	18.1	18.1
20°	83.1	72.3	54.2	36.1	25.3	18.1	10.8	10.8	10.8	10.8	10.8
22.5°	83.1	72.3	50.6	32.5	21.7	10.8	7.2	7.2	7.2	7.2	10.8
25°	83.1	68.7	43.4	25.3	14.5	7.2	3.6	3.6	3.6	3.6	3.6
27.5°	83.1	68.7	39.8	21.7	10.8	7.2	3.6	0.0	0.0	0.0	0.0
30°	79.5	65.1	36.1	18.1	7.2	3.6	0.0	0.0	0.0	0.0	0.0
32.5°	79.5	61.4	28.9	14.5	7.2	3.6	0.0	0.0	0.0	0.0	0.0
35°	83.1	57.8	25.3	10.8	3.6	0.0	0.0	0.0	0.0	0.0	3.6
37.5°	86.7	54.2	21.7	7.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	90.3	50.6	21.7	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	97.6	50.6	18.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	104.8	50.6	14.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	119.3	54.2	14.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	130.1	57.8	10.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	144.6	54.2	10.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	162.6	54.2	10.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	177.1	50.6	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	184.3	47.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	220.5	43.4	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	343.3	36.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	697.5	32.5	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1301.0	28.9	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1456.4	32.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	917.9	25.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	484.3	25.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	242.1	25.3	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	112.0	18.1	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	47.0	10.8	7.2	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.7	10.8	7.2	7.2	3.6	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	10.8	10.8	10.8	7.2	7.2	3.6	3.6	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: SP1-2407-184-16

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

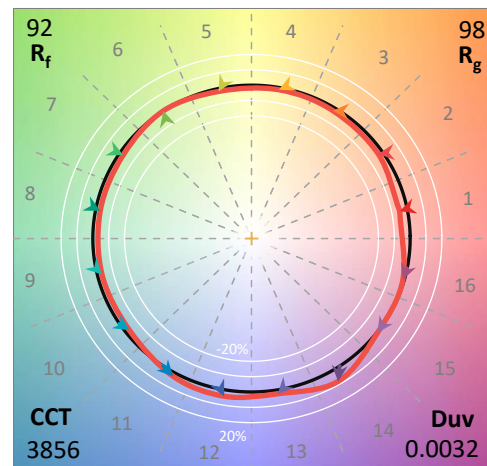
Test Information

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

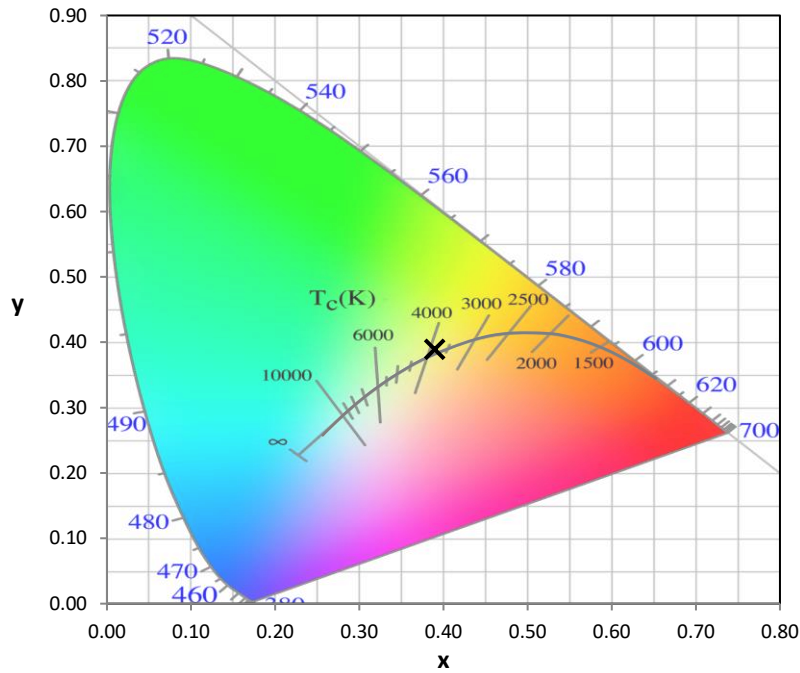
Stabilization Time: 23M
 Operation Time: 1H 23M
 Sphere Temperature (°C): 25.2

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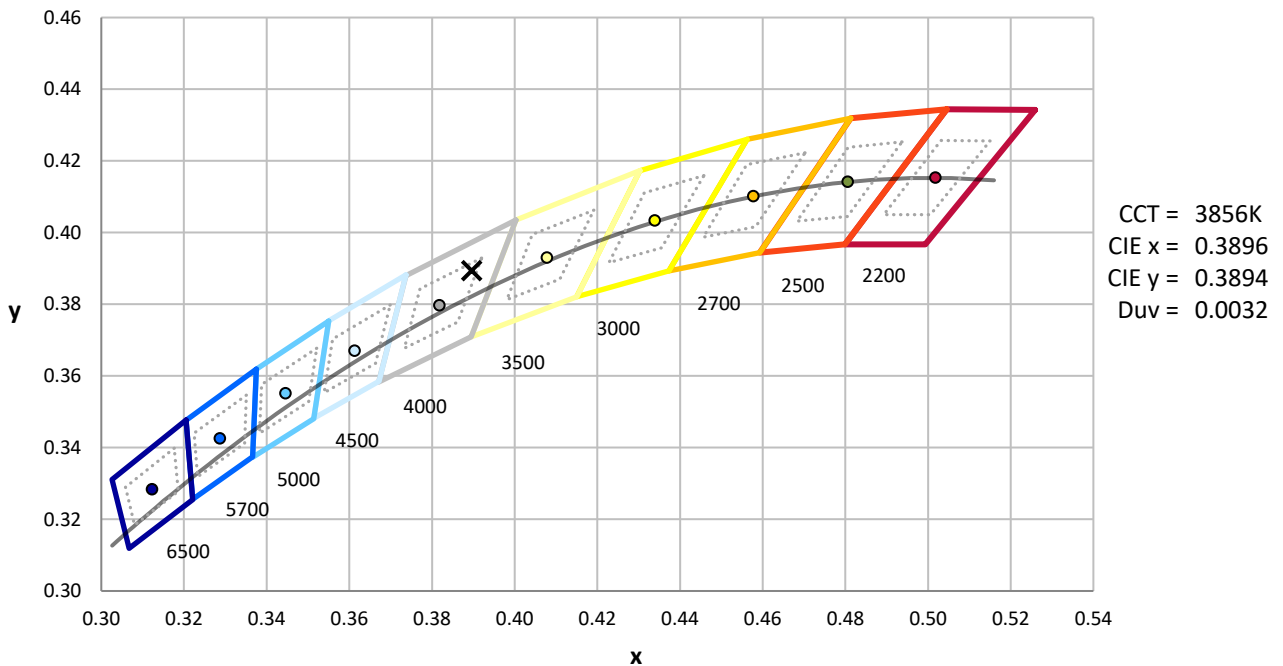
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



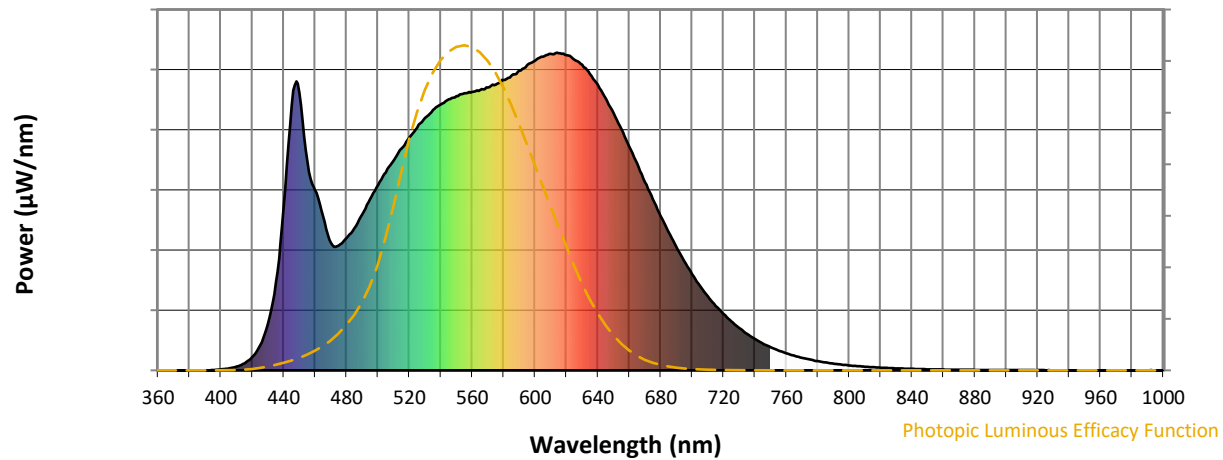
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

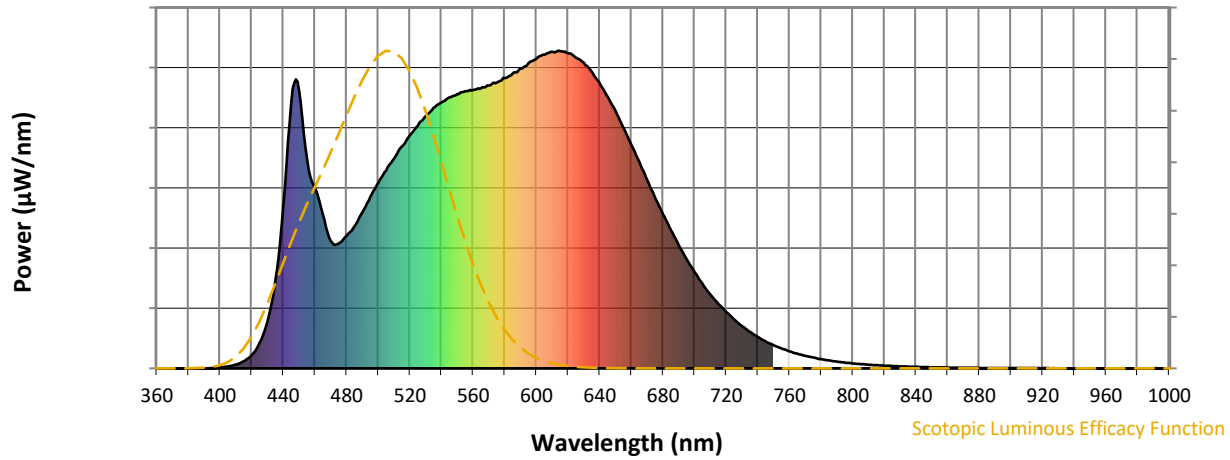


Photopic Lumens: NR

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



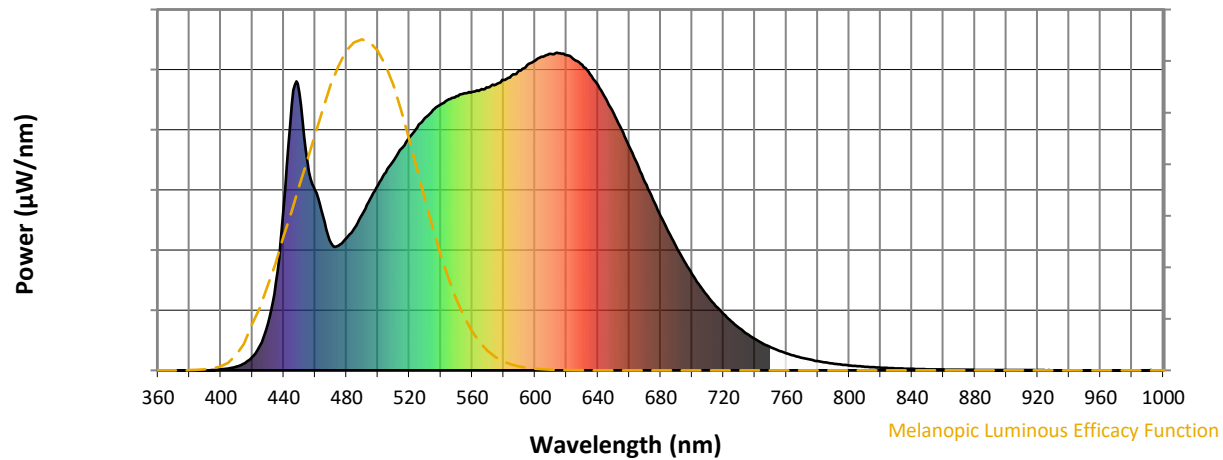
Scotopic Lumens: NR

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

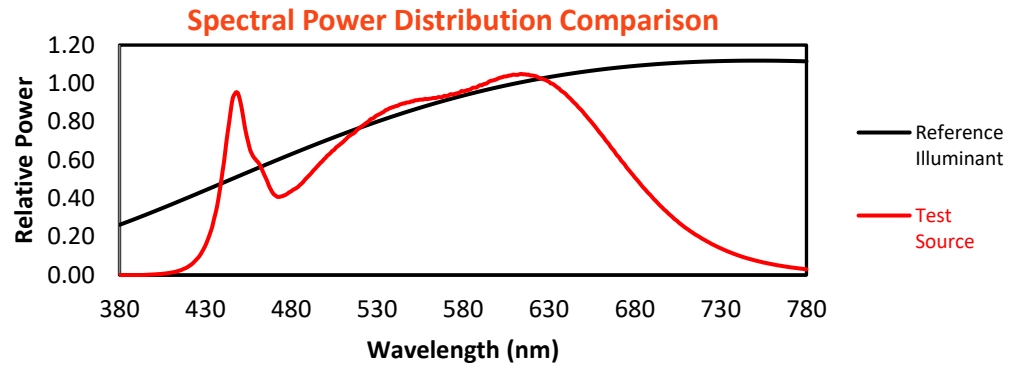
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	492	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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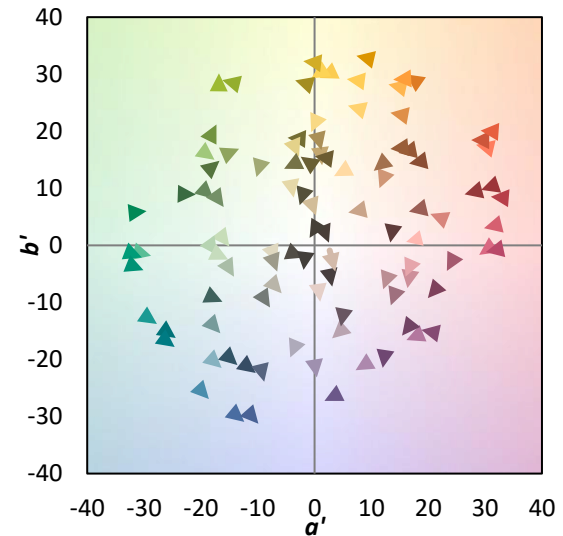
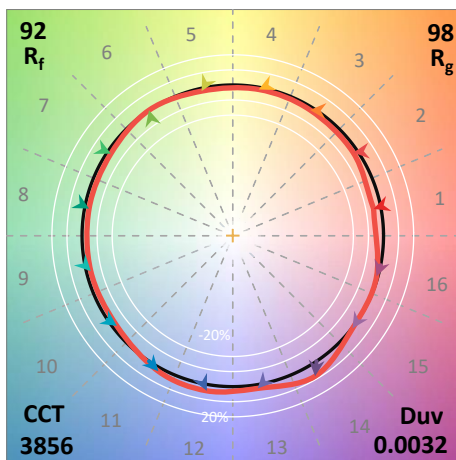
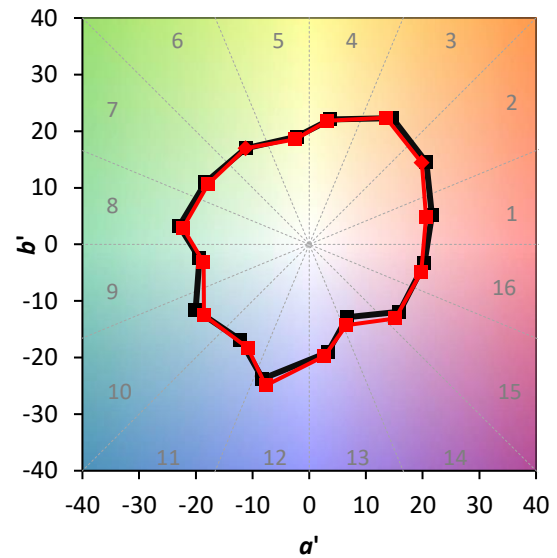
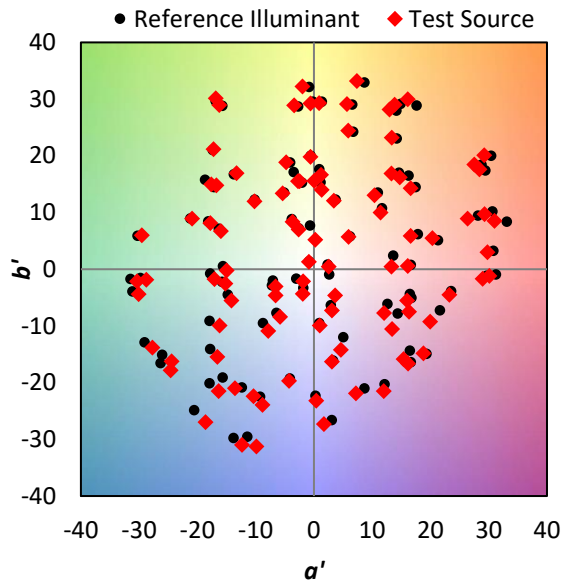
TM-30-18

Summary

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

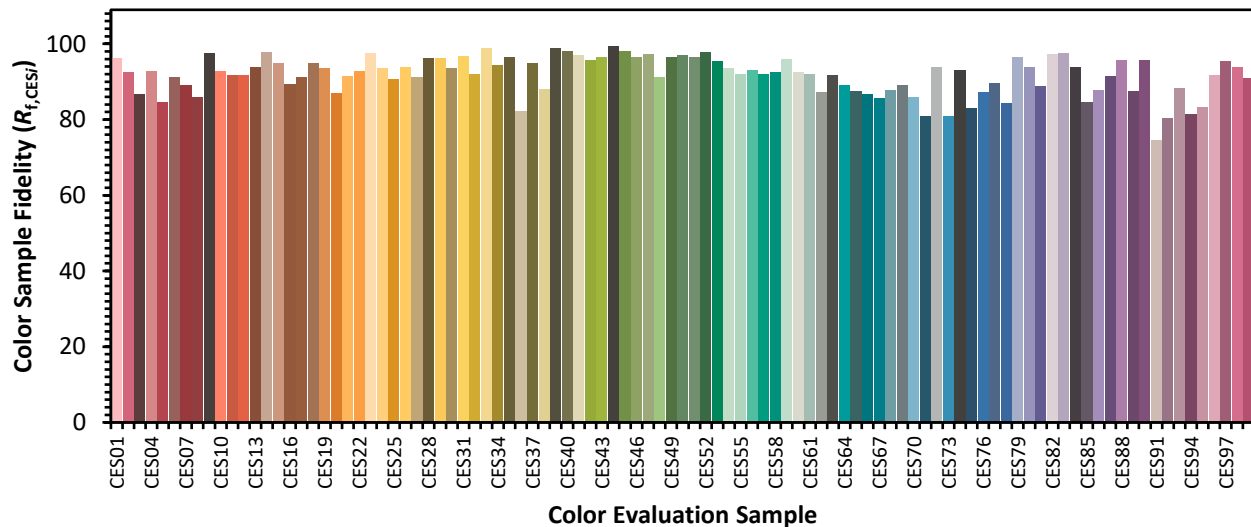


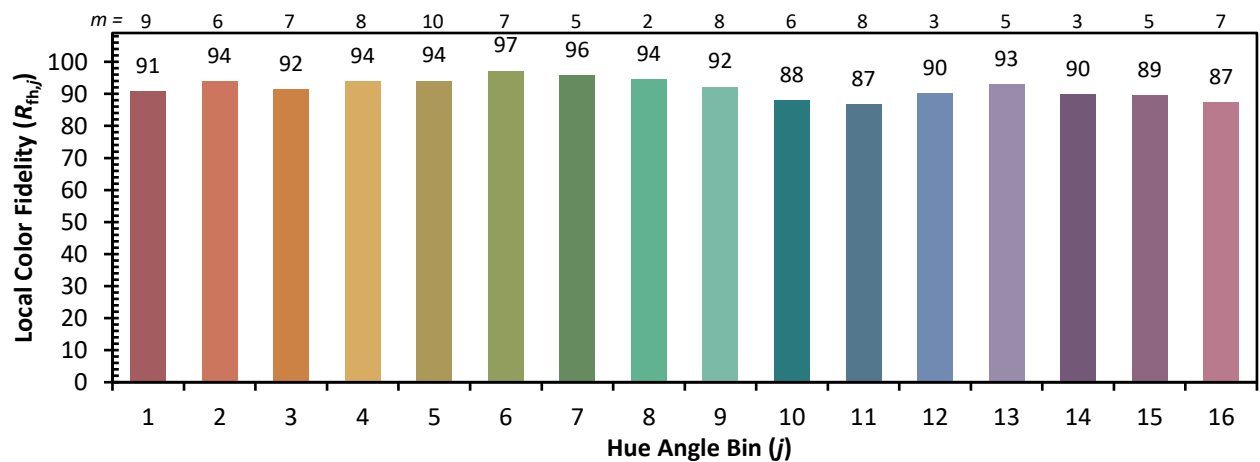
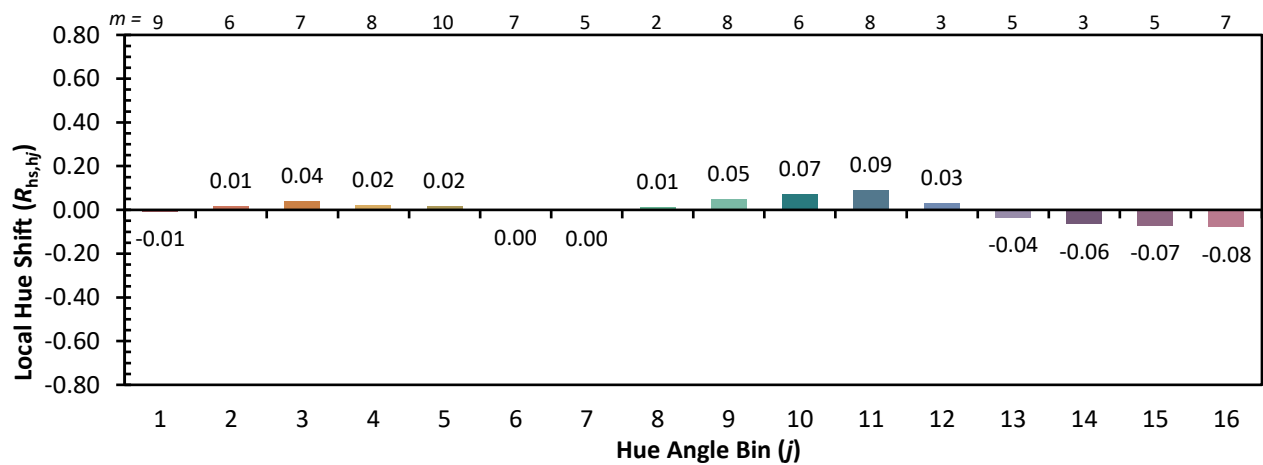
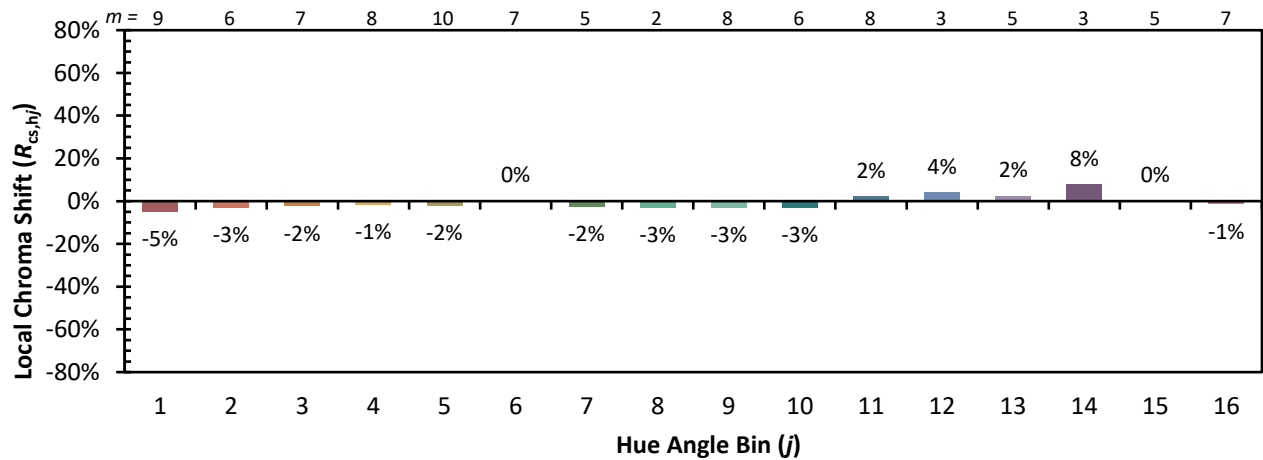
Color Vector Graphics



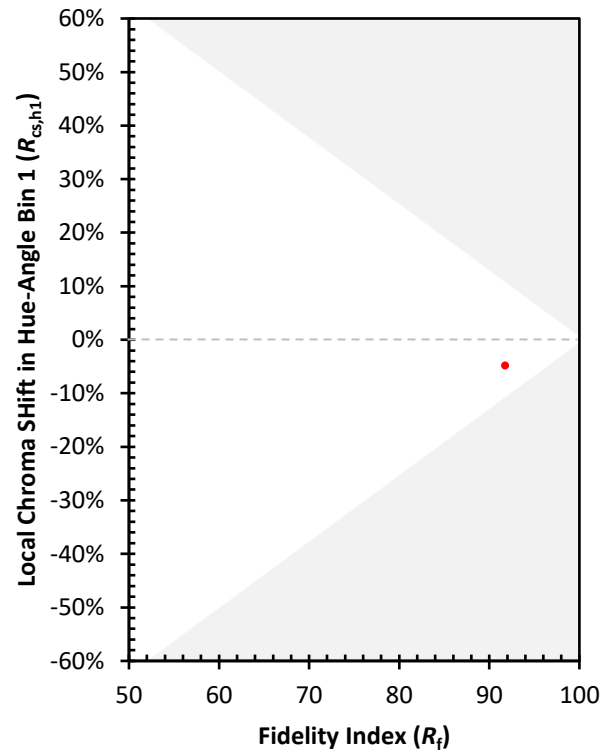
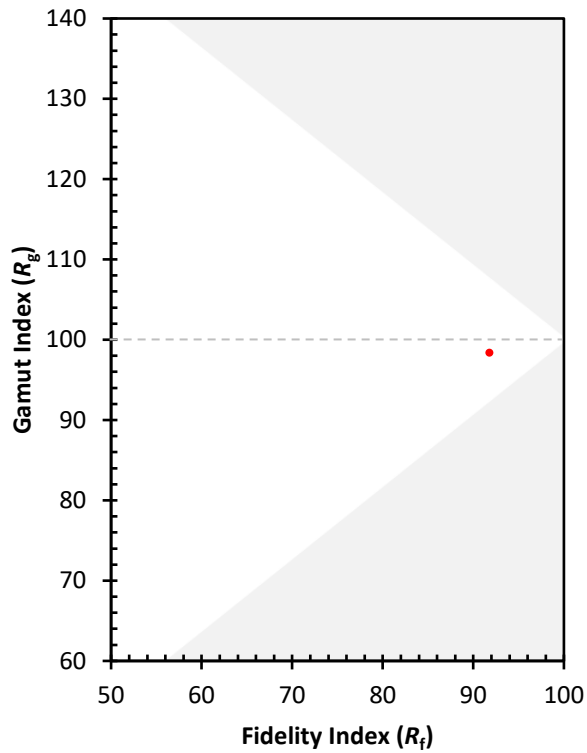
Individual Sample Fidelity Index ($R_{f,i}$)

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)