

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: STREETWORKS

Report Number: P1063813

Luminaire Tested: **GLAN-SA4A-940-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1063813
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4A-940-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
90CRI 4000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10633.7 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

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

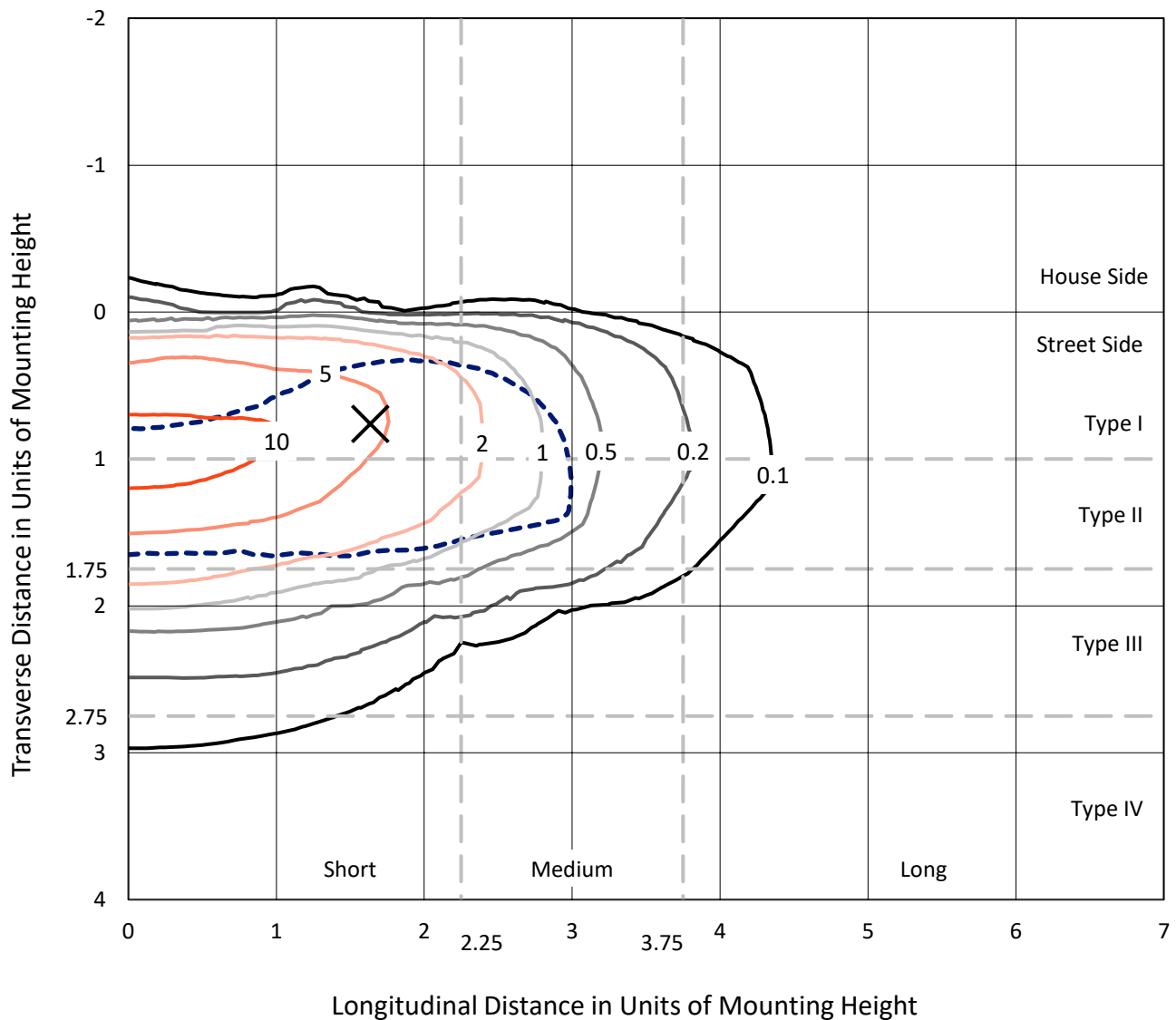


REPORT NUMBER: P1063813

CATALOG NUMBER: GLAN-SA4A-940-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

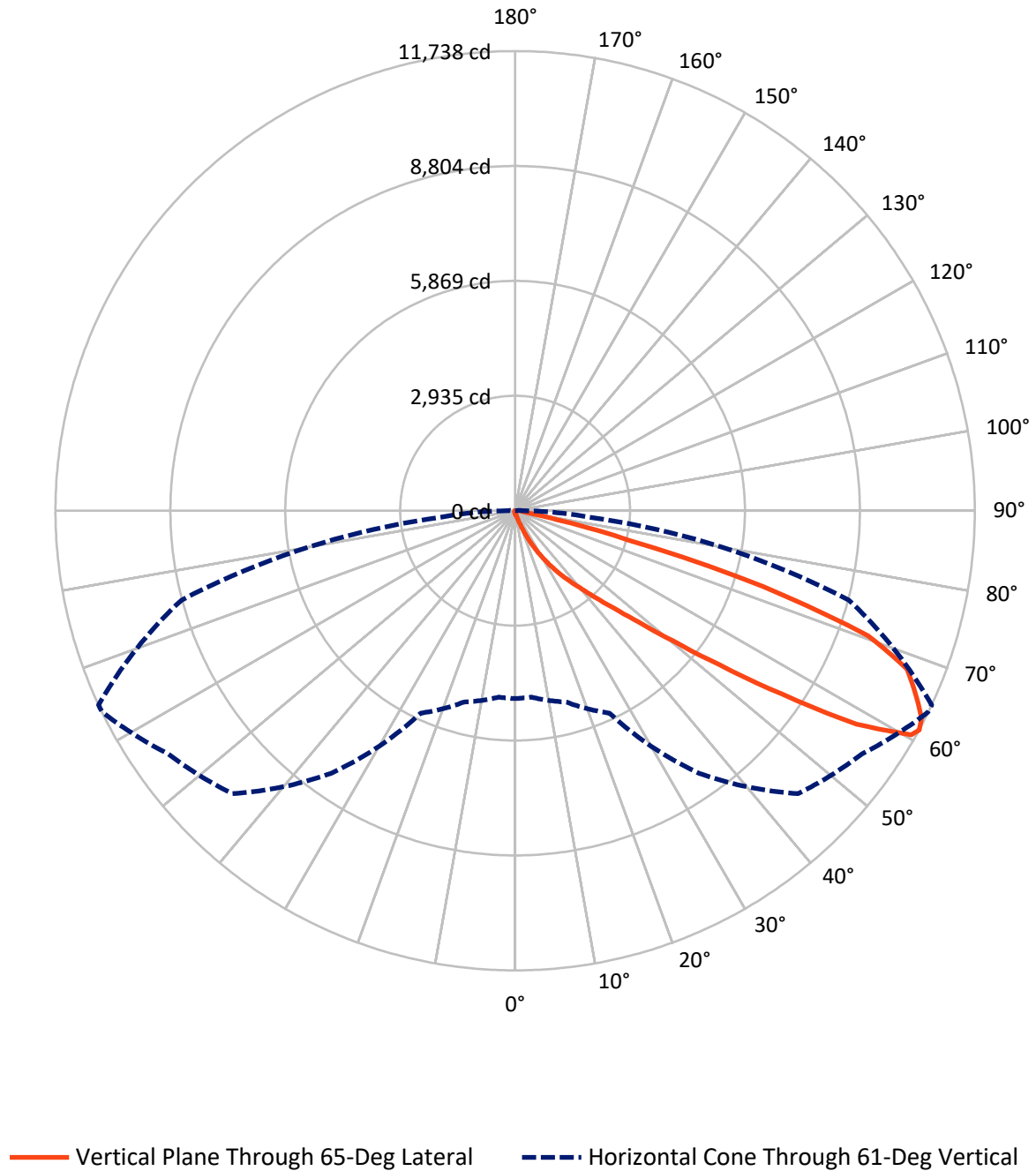


Based on 15 foot mounting height. Maximum calculated value = 14.1 fc
 Type II - Short - N/A

REPORT NUMBER: P1063813

CATALOG NUMBER: GLAN-SA4A-940-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1063813

CATALOG NUMBER: GLAN-SA4A-940-U-T2BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.4	0.0	45.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10588.3	0.0	10588.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	10633.7	0.0	10633.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	87.4	0.8
20°-30°	313.8	3.0
30°-40°	835.5	7.9
40°-50°	2194.8	20.6
50°-60°	3400.2	32.0
60°-70°	2851.0	26.8
70°-80°	839.0	7.9
80°-90°	103.5	1.0
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°	10633.7	100.0
0°-180°	10633.7	100.0



REPORT NUMBER: P1063813

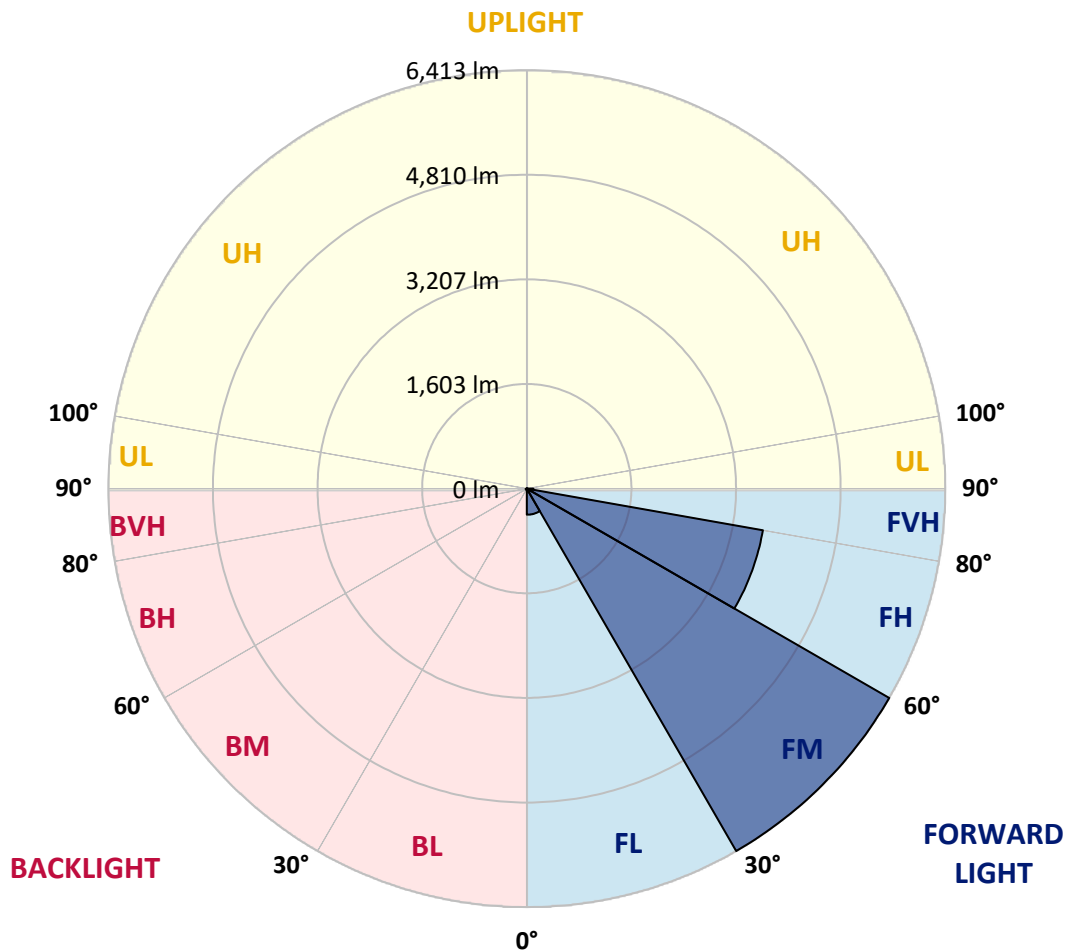
CATALOG NUMBER: GLAN-SA4A-940-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	399.4	3.8			
FM	(30°-60°)	6413.3	60.3			
FH	(60°-80°)	3674.0	34.6			G2/5000
FVH	(80°-90°)	101.6	1.0			G2/225
BL	(0°-30°)	10.2	0.1	B0/110		
BM	(30°-60°)	17.3	0.2	B0/220		
BH	(60°-80°)	16.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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 II Short





REPORT NUMBER: P1063813

CATALOG NUMBER: GLAN-SA4A-940-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
2.5°	79.0	79.7	78.3	75.3	73.1	73.1	72.4	70.2	70.2	68.0	66.6
5°	110.5	109.0	106.1	100.2	95.1	90.0	84.9	79.7	79.0	72.4	68.0
7.5°	180.7	182.1	172.6	154.3	139.0	119.2	100.9	90.0	88.5	77.5	68.8
10°	396.5	385.5	363.5	292.6	240.7	181.4	134.6	104.6	103.1	83.4	70.2
12.5°	722.7	713.9	673.7	600.5	466.7	324.8	196.8	129.5	125.1	88.5	71.0
15°	1041.6	1027.7	1005.8	931.9	775.4	582.3	321.9	177.0	165.3	95.8	70.2
17.5°	1245.0	1247.2	1227.4	1196.0	1095.0	861.7	555.9	264.1	241.4	109.0	68.8
20°	1422.7	1417.6	1428.6	1411.8	1340.8	1171.1	809.0	418.4	379.6	130.2	69.5
22.5°	1627.5	1640.0	1648.0	1644.4	1566.1	1421.3	1096.5	626.1	577.1	169.0	71.7
25°	1901.9	1900.4	1901.1	1891.6	1815.5	1654.6	1384.7	884.4	834.6	231.9	76.8
27.5°	2189.3	2198.1	2201.8	2167.4	2067.9	1909.9	1651.7	1166.7	1108.2	332.8	83.4
30°	2582.1	2574.8	2558.0	2487.8	2367.1	2171.0	1915.0	1463.0	1401.5	474.0	93.6
32.5°	3111.7	3103.7	3018.8	2863.8	2683.1	2443.1	2179.8	1759.9	1685.3	650.3	107.5
35°	3984.4	3996.8	3788.3	3386.8	3062.7	2770.1	2473.1	2055.5	1989.6	867.5	126.5
37.5°	5320.8	5252.8	4969.7	4260.2	3562.3	3178.3	2753.3	2353.9	2296.9	1135.3	151.4
40°	6619.2	6551.9	6470.0	5797.7	4430.6	3628.2	3145.4	2704.3	2630.4	1437.4	188.0
42.5°	7984.1	7946.8	7943.2	7436.2	6015.0	4335.5	3617.2	3114.7	3051.7	1768.7	248.0
45°	8951.1	8913.8	8992.1	9080.6	8172.8	5851.1	4438.6	3647.9	3556.5	2171.0	343.8
47.5°	9081.3	9082.8	9292.0	9569.2	9776.3	8195.5	5532.9	4354.5	4243.3	2746.7	504.7
50°	8648.3	8665.1	8998.0	9493.9	10051.3	10162.5	7462.6	5380.0	5215.5	3429.2	732.9
52.5°	7823.9	7842.9	8306.7	9122.3	9798.2	10635.0	9734.6	6721.6	6532.1	4280.6	1054.8
55°	7081.5	7093.2	7625.0	8655.6	9493.2	10378.3	11083.4	8513.0	8264.3	5328.1	1372.3
57.5°	6346.3	6319.3	6665.3	7845.1	9441.2	10063.0	11282.4	10554.6	10280.2	6472.9	1619.5
60°	5363.2	5317.9	5595.8	6346.3	8758.0	10270.0	10910.1	11684.0	11621.8	8066.8	1810.4
61°	4797.8	4778.8	5058.2	5701.9	8183.1	10217.3	10820.8	11731.5	11738.1	8820.9	1896.0
62.5°	3426.3	3480.4	3907.6	4744.4	6854.0	9875.7	10832.5	11584.5	11649.6	9823.1	2117.6
65°	1522.9	1610.0	1942.1	2623.1	3985.8	8215.3	10728.6	11261.9	11229.7	10098.1	2881.3
67.5°	903.4	916.5	1081.9	1486.4	2111.1	4418.9	9467.6	10835.4	10792.3	8791.0	3585.0
70°	711.7	718.3	771.0	932.6	1225.2	1692.6	5403.5	9374.7	9562.7	7128.3	3509.7
72.5°	675.2	673.7	681.0	709.5	771.7	839.7	2092.0	6231.5	6614.1	5133.5	2942.8
75°	666.4	663.5	656.1	645.2	558.9	494.5	648.1	2756.2	2977.9	3507.5	2215.7
77.5°	646.6	647.4	648.8	618.8	479.1	349.6	313.8	884.4	1087.7	2225.9	1574.9
80°	437.4	444.0	455.0	443.3	430.8	253.1	221.6	314.5	318.9	1249.4	1040.2
82.5°	221.6	221.6	216.5	193.1	166.8	164.6	176.3	228.2	231.1	632.0	489.4
85°	133.9	141.2	144.1	130.9	120.0	110.5	134.6	181.4	188.0	245.0	114.1
87.5°	30.0	30.7	33.6	44.6	65.1	88.5	125.1	166.0	169.0	157.3	13.9
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: P1063813

CATALOG NUMBER: GLAN-SA4A-940-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
2.5°	65.8	64.4	63.6	61.4	59.3	57.1	55.6	54.9	55.6	56.3	56.3
5°	65.1	62.9	59.3	55.6	52.7	49.7	46.8	46.1	46.1	46.8	46.8
7.5°	65.1	61.4	56.3	51.9	47.5	43.2	41.0	39.5	40.2	40.2	40.2
10°	65.1	60.7	54.1	47.5	42.4	37.3	33.6	32.2	32.2	32.2	32.2
12.5°	64.4	60.0	51.9	43.9	36.6	30.7	26.3	24.1	24.9	24.9	24.9
15°	62.9	57.8	49.0	37.3	29.3	23.4	19.0	16.8	17.6	19.0	19.8
17.5°	60.7	55.6	43.9	31.5	23.4	17.6	13.2	11.7	12.4	14.6	14.6
20°	60.0	53.4	38.8	25.6	17.6	12.4	8.8	7.3	8.0	11.0	11.7
22.5°	60.0	51.9	35.1	21.2	13.2	8.0	5.1	2.9	2.9	5.1	5.1
25°	60.7	51.2	32.2	17.6	9.5	5.9	2.9	1.5	2.9	8.0	9.5
27.5°	62.2	50.5	30.7	14.6	7.3	5.1	2.2	5.1	8.8	8.8	8.8
30°	63.6	49.0	28.5	12.4	6.6	3.7	3.7	7.3	7.3	8.8	9.5
32.5°	65.8	48.3	27.1	11.0	5.1	2.9	5.1	4.4	4.4	5.1	5.9
35°	70.2	49.0	25.6	11.0	5.1	3.7	4.4	2.2	1.5	1.5	1.5
37.5°	76.1	49.7	23.4	9.5	4.4	4.4	2.2	0.0	0.0	0.0	0.0
40°	85.6	51.9	21.9	8.8	3.7	3.7	0.7	0.0	0.0	0.0	0.0
42.5°	101.7	56.3	21.2	8.0	3.7	2.9	0.0	0.0	0.0	0.0	0.0
45°	133.9	66.6	19.8	7.3	3.7	1.5	0.0	0.0	0.0	0.0	0.0
47.5°	192.4	90.7	19.0	5.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	280.9	122.9	18.3	5.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	358.4	129.5	12.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	367.2	89.2	9.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	292.6	57.8	8.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	221.6	43.9	7.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	212.9	39.5	7.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	234.8	34.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	381.8	28.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	663.5	24.9	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	838.3	23.4	4.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	730.8	21.2	4.4	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	439.6	18.3	4.4	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	230.4	13.9	4.4	3.7	2.2	0.7	0.0	0.0	0.0	0.0	0.0
80°	111.9	12.4	5.1	3.7	2.9	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	43.9	10.2	5.9	5.1	3.7	2.2	0.7	0.0	0.0	0.0	0.0
85°	19.8	8.8	6.6	5.9	5.1	2.9	0.7	0.0	0.0	0.0	0.0
87.5°	10.2	8.0	7.3	6.6	5.1	3.7	1.5	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

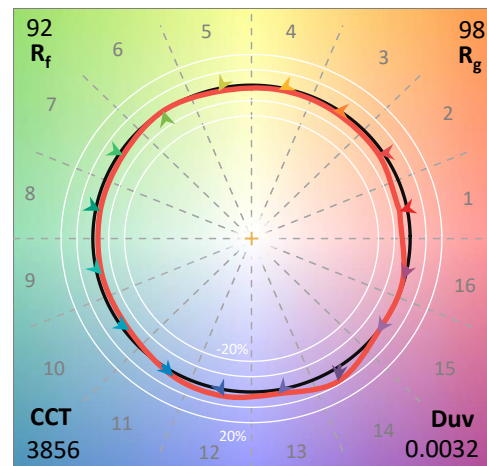
Test Information

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

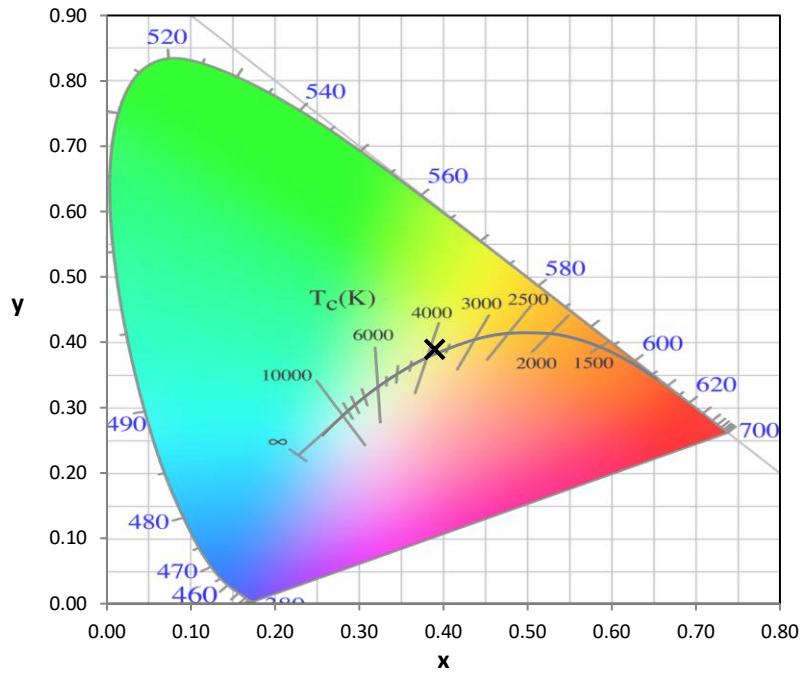
Stabilization Time: 23M
 Operation Time: 1H 23M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-16

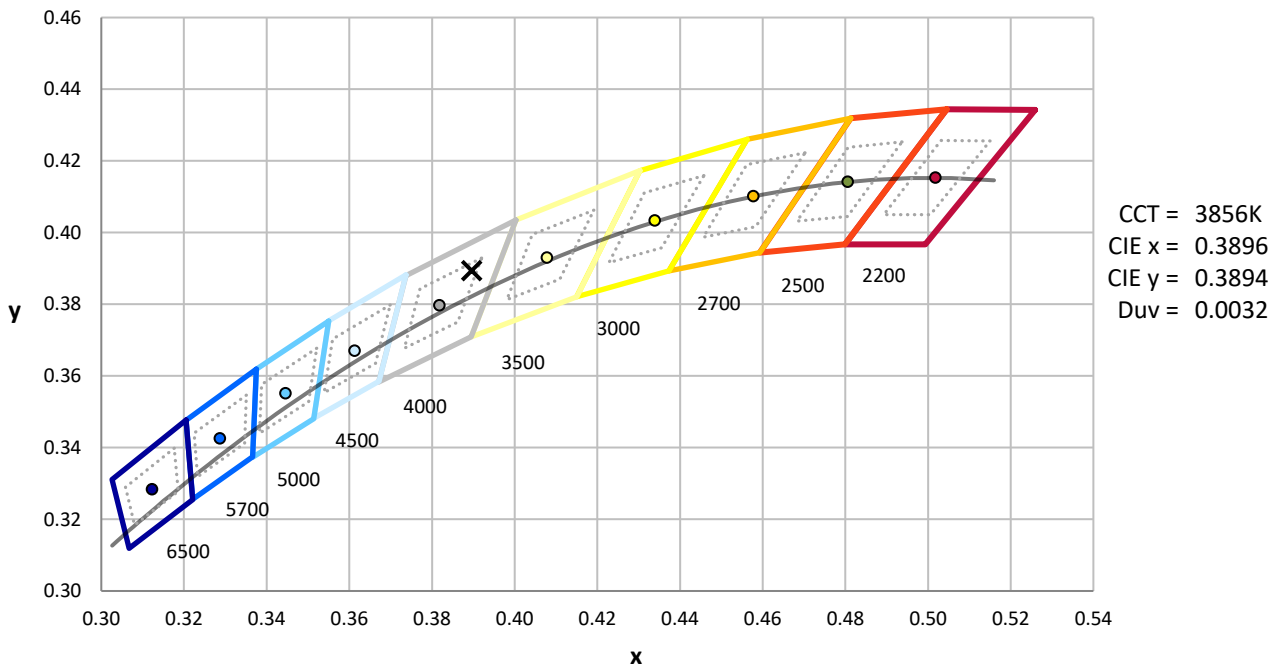
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-16

CIE 1931 Chromaticity Diagram



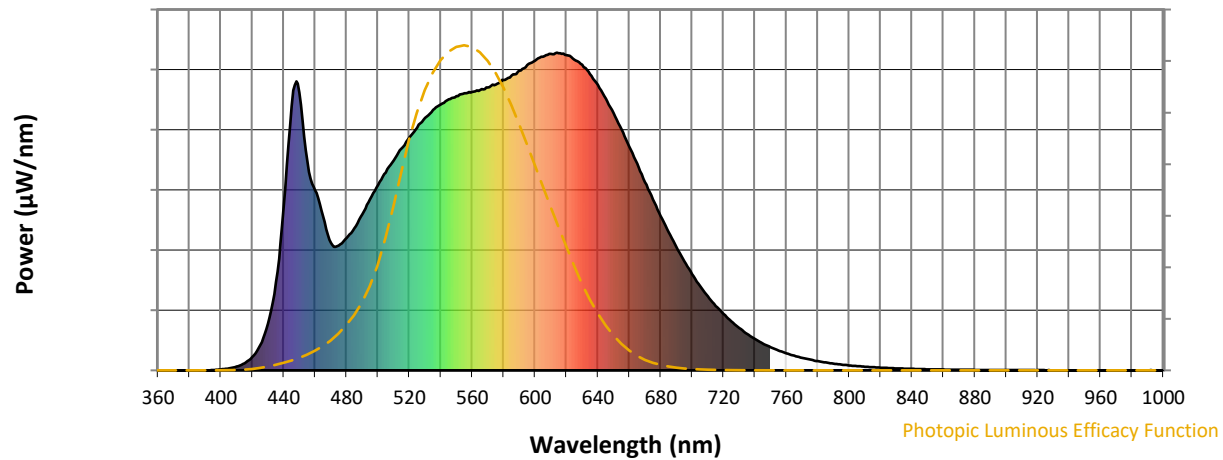
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-16

Photopic Flux vs. Wavelength

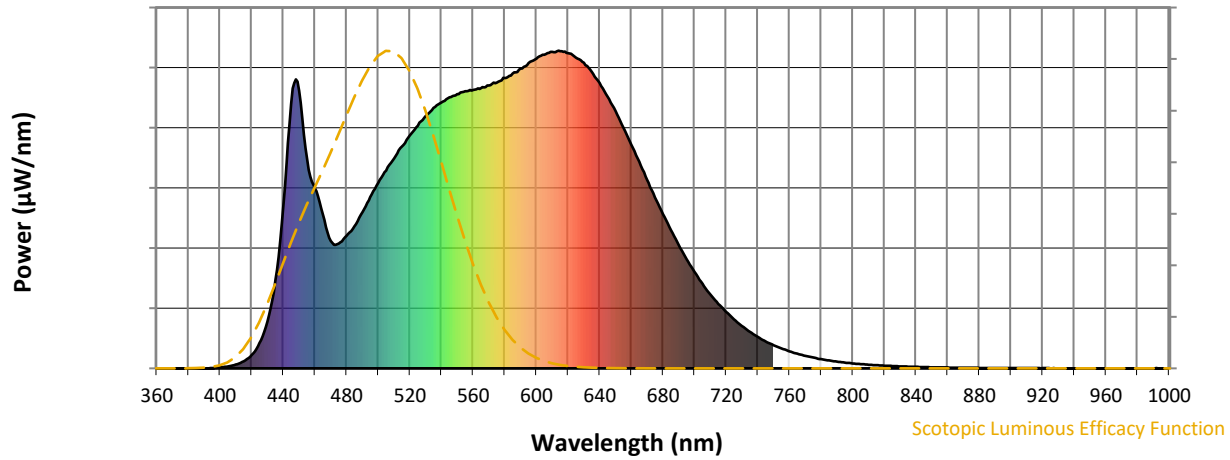


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-16

Scotopic Flux vs. Wavelength



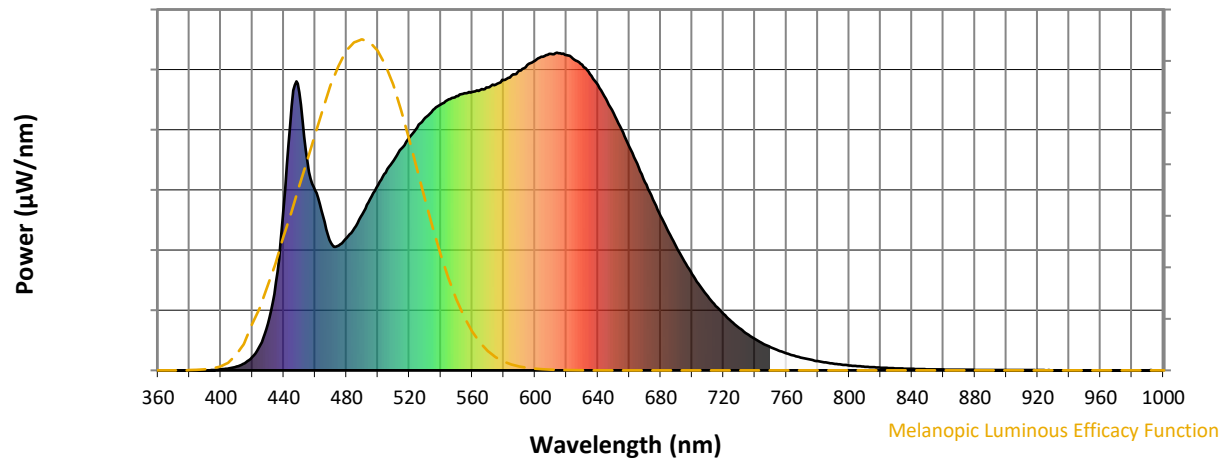
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-16

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.52

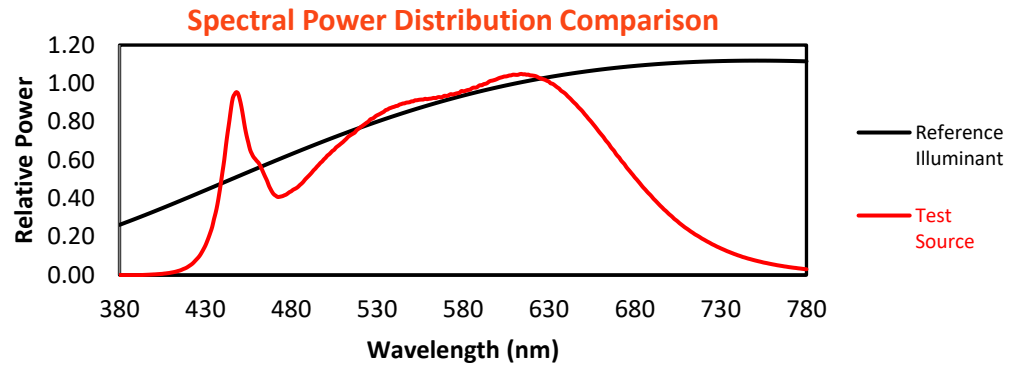
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583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

REPORT NUMBER: SP1-2407-184-16

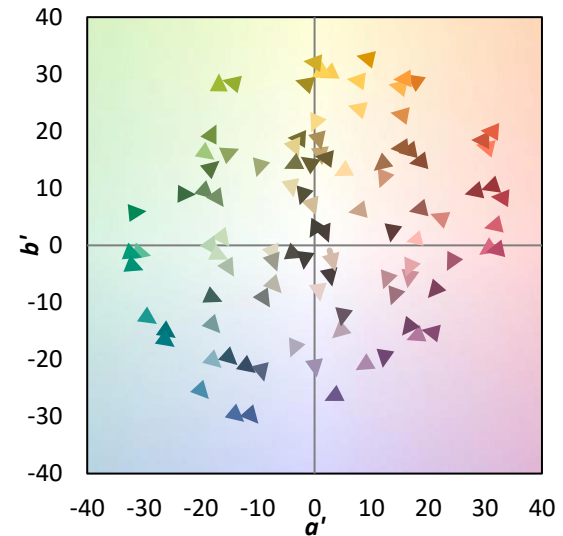
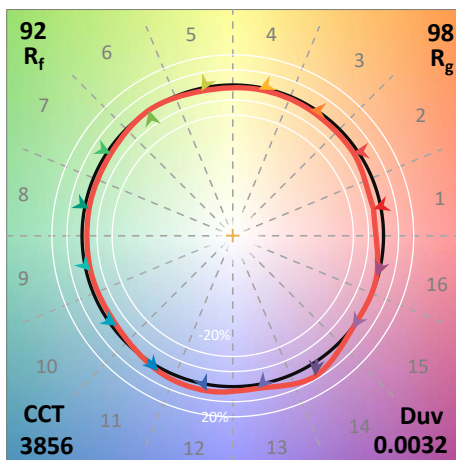
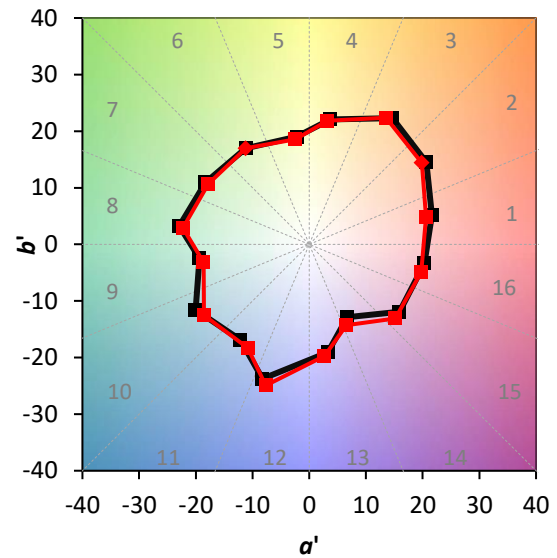
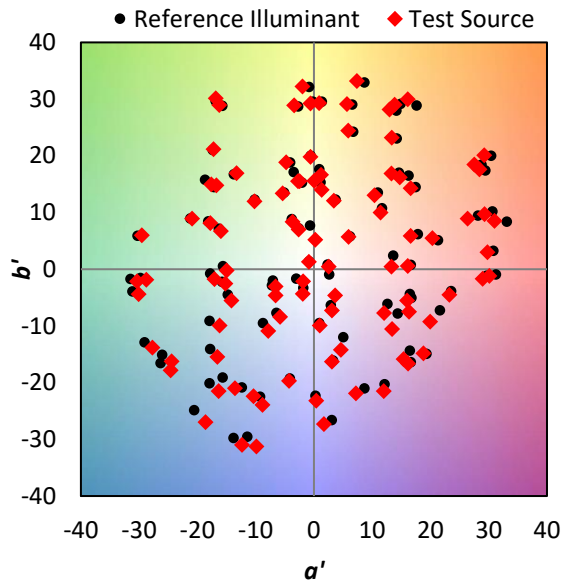
TM-30-18

Summary

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

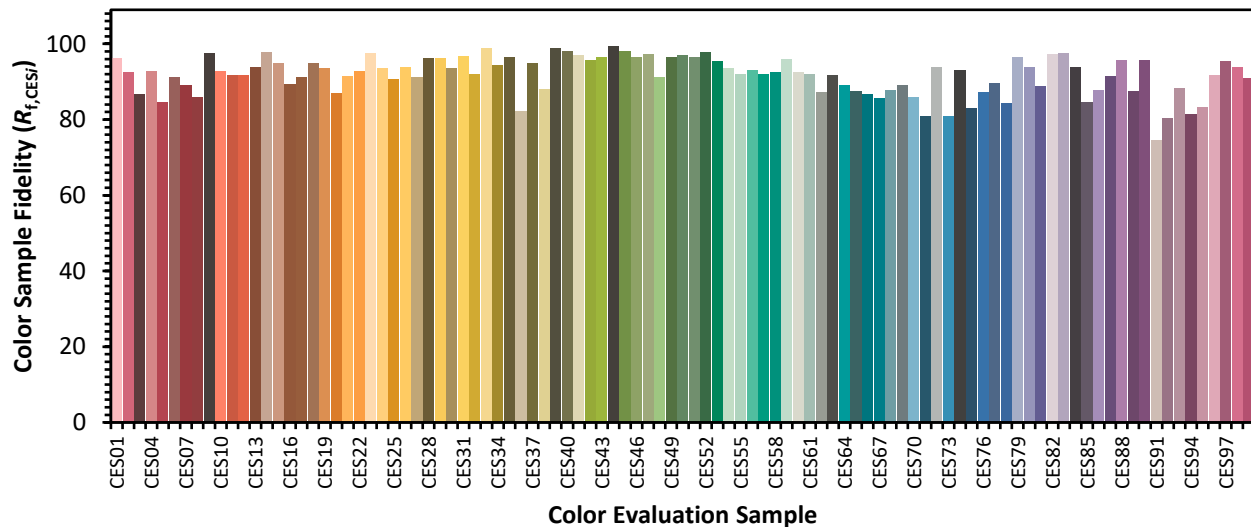


Color Vector Graphics

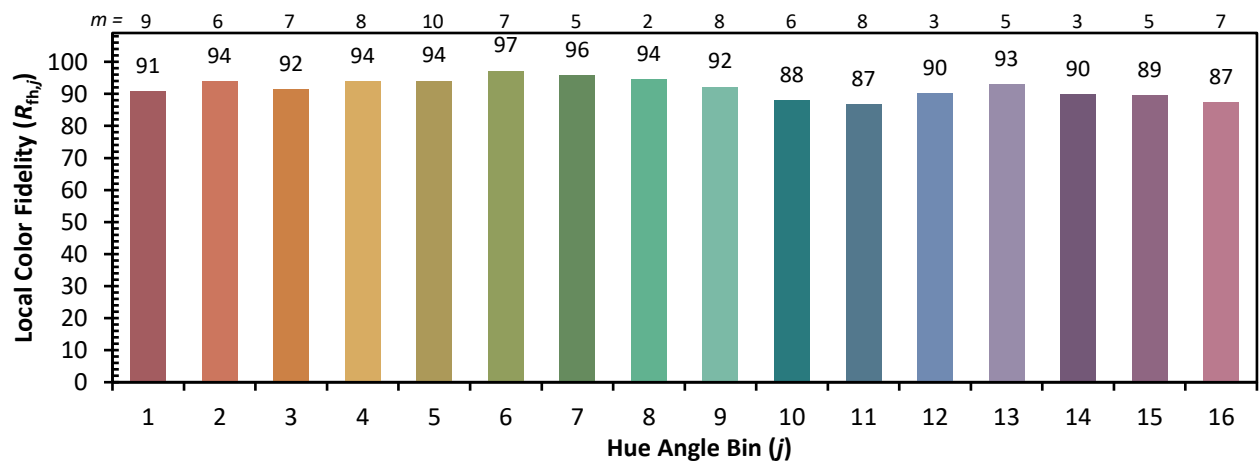
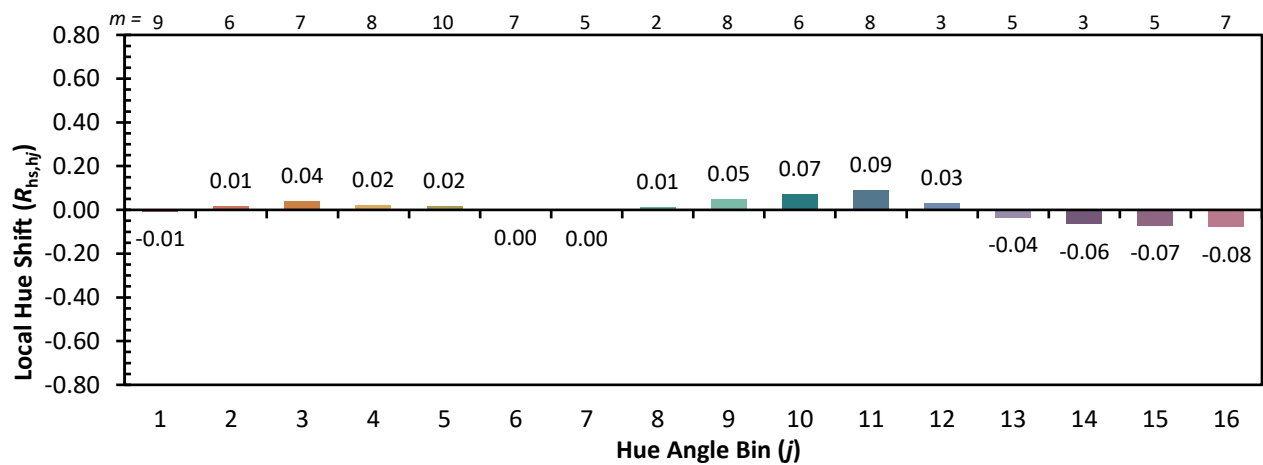
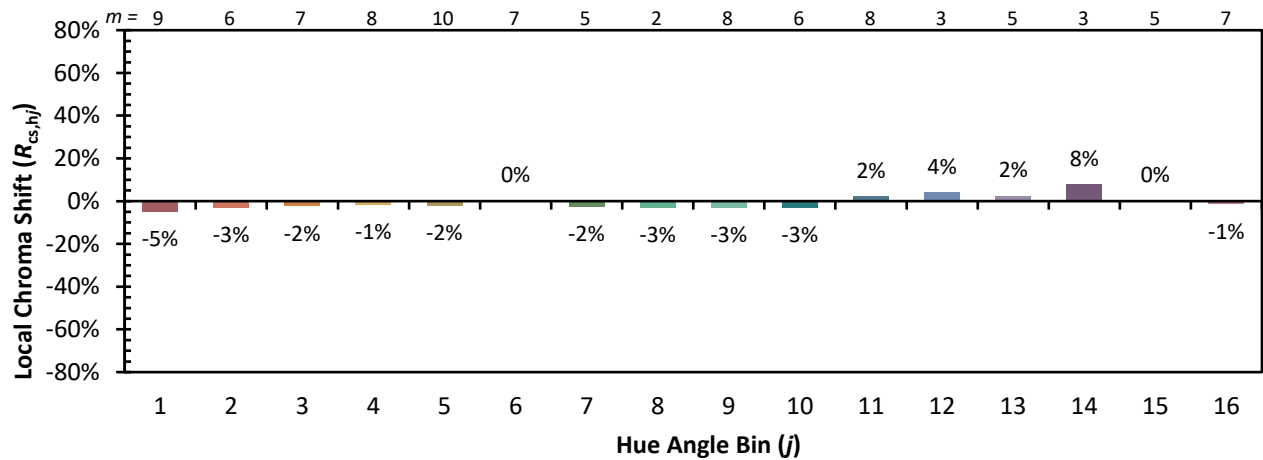


Individual Sample Fidelity Index ($R_{f,i}$)

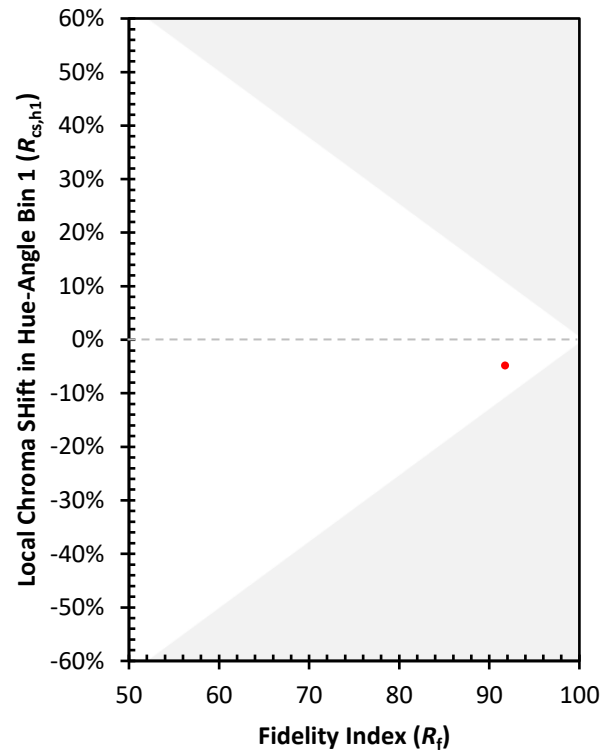
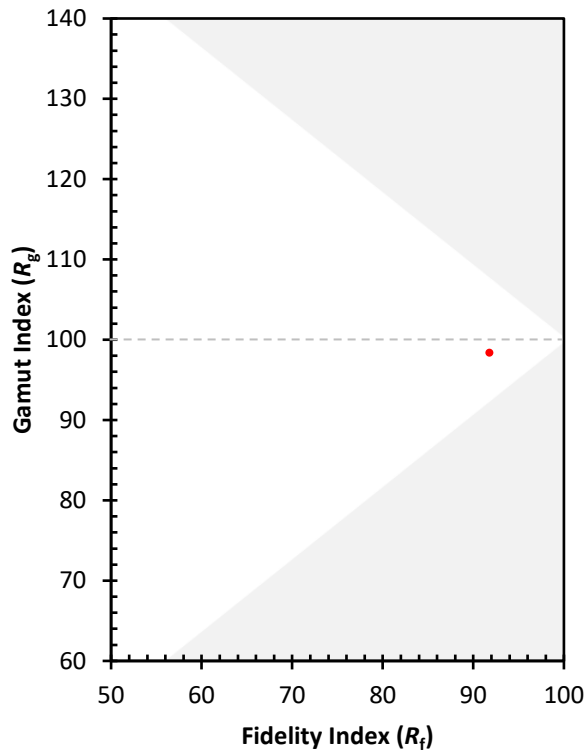
CES01 = 86	CES26 = 94	CES51 = 96	CES76 = 87
CES02 = 62	CES27 = 91	CES52 = 98	CES77 = 90
CES03 = 31	CES28 = 96	CES53 = 95	CES78 = 84
CES04 = 69	CES29 = 96	CES54 = 94	CES79 = 96
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 94
CES06 = 50	CES31 = 97	CES56 = 93	CES81 = 89
CES07 = 42	CES32 = 92	CES57 = 92	CES82 = 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)