

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: P1048755

Luminaire Tested: **GALN-SA4C-935-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048755
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4C-935-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
90CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16671.3 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 190.4
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

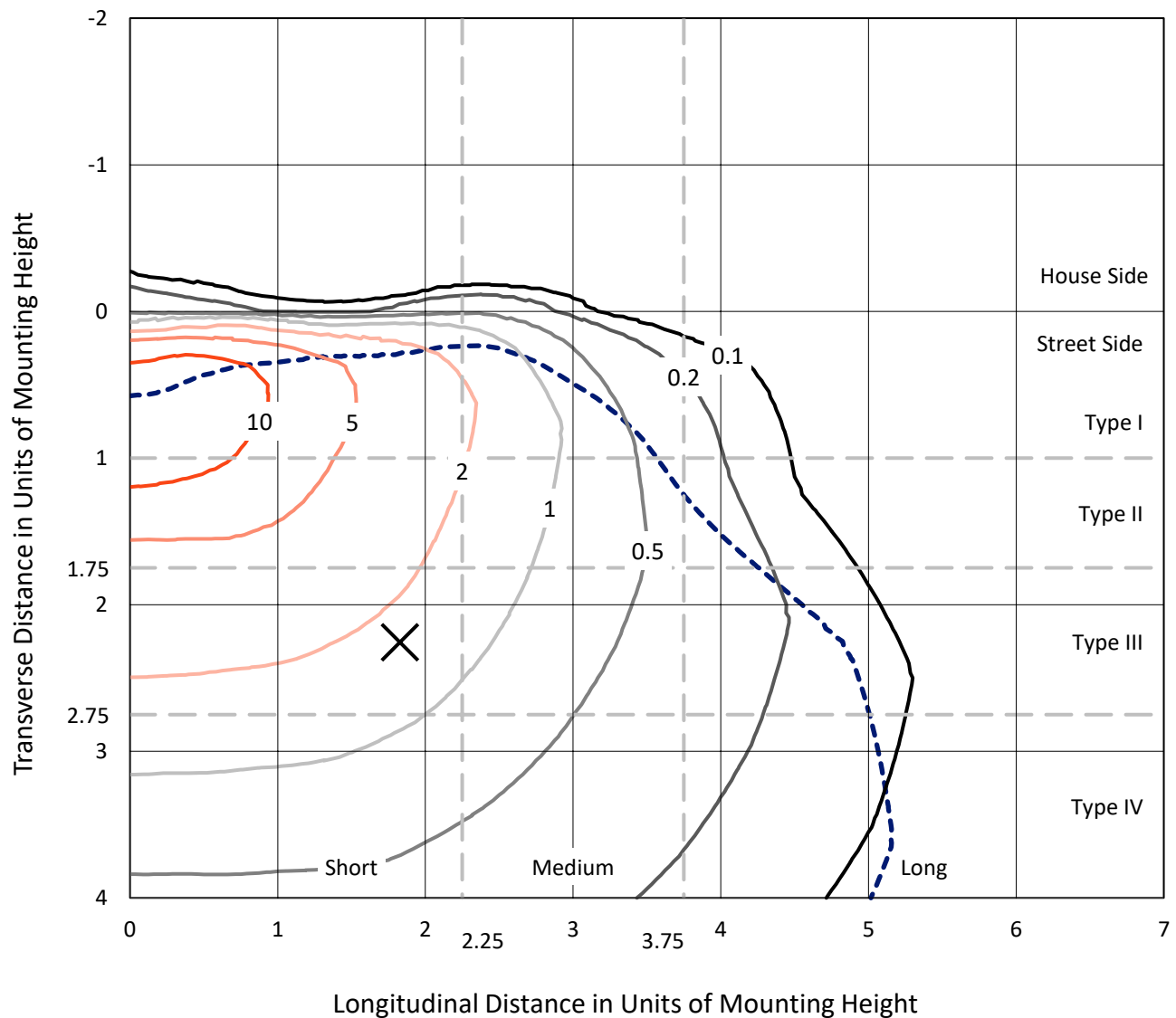


REPORT NUMBER: P1048755

CATALOG NUMBER: GALN-SA4C-935-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

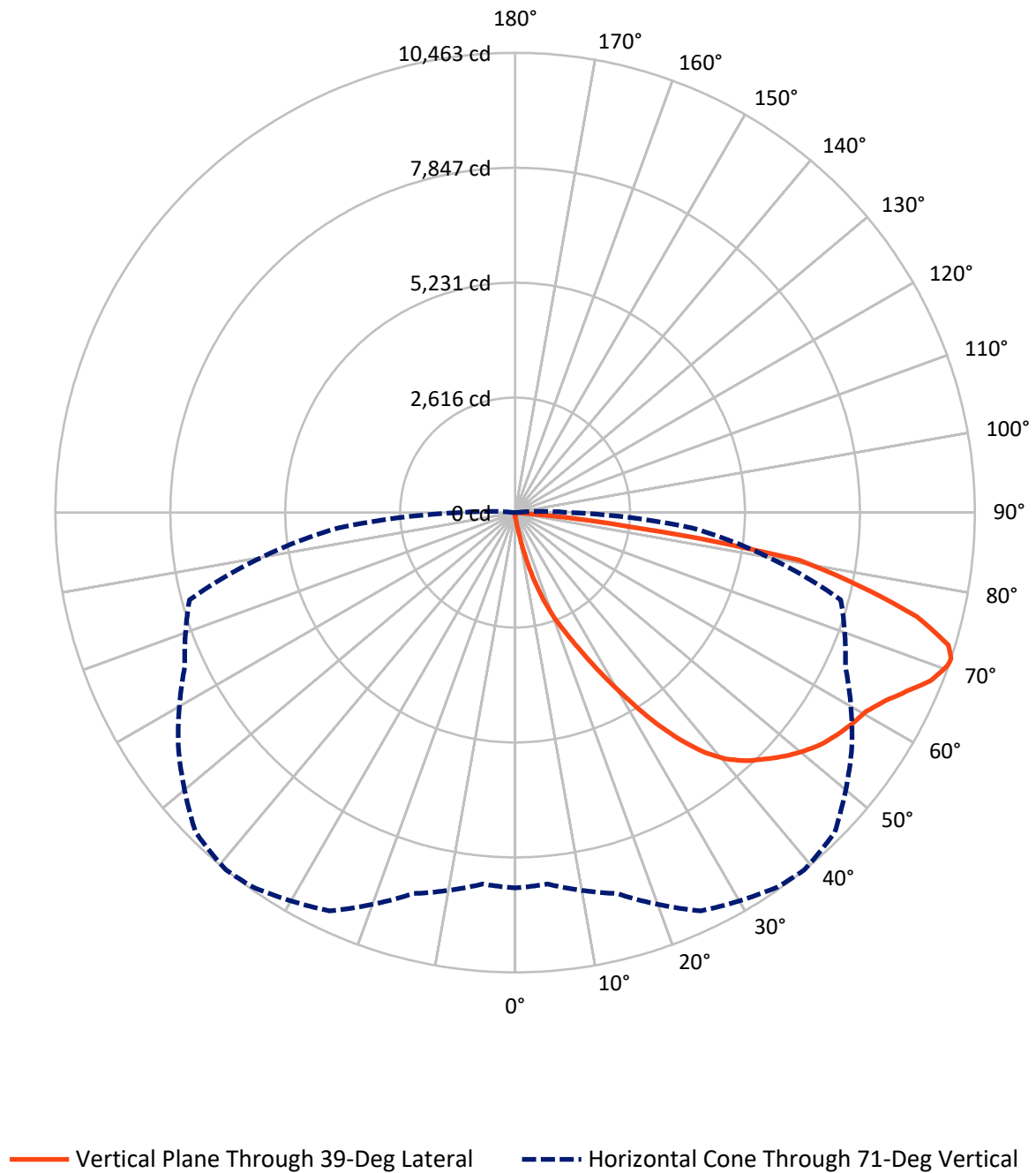


Based on 15 foot mounting height. Maximum calculated value = 17.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P1048755

CATALOG NUMBER: GALN-SA4C-935-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048755

CATALOG NUMBER: GALN-SA4C-935-U-T4BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.3	0.0	59.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16612.1	0.0	16612.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	16671.3	0.0	16671.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.1
10°-20°	178.2	1.1
20°-30°	634.6	3.8
30°-40°	1529.3	9.2
40°-50°	2559.5	15.4
50°-60°	3287.3	19.7
60°-70°	4160.1	25.0
70°-80°	3708.9	22.2
80°-90°	599.5	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°	16671.3	100.0
0°-180°	16671.3	100.0



REPORT NUMBER: P1048755

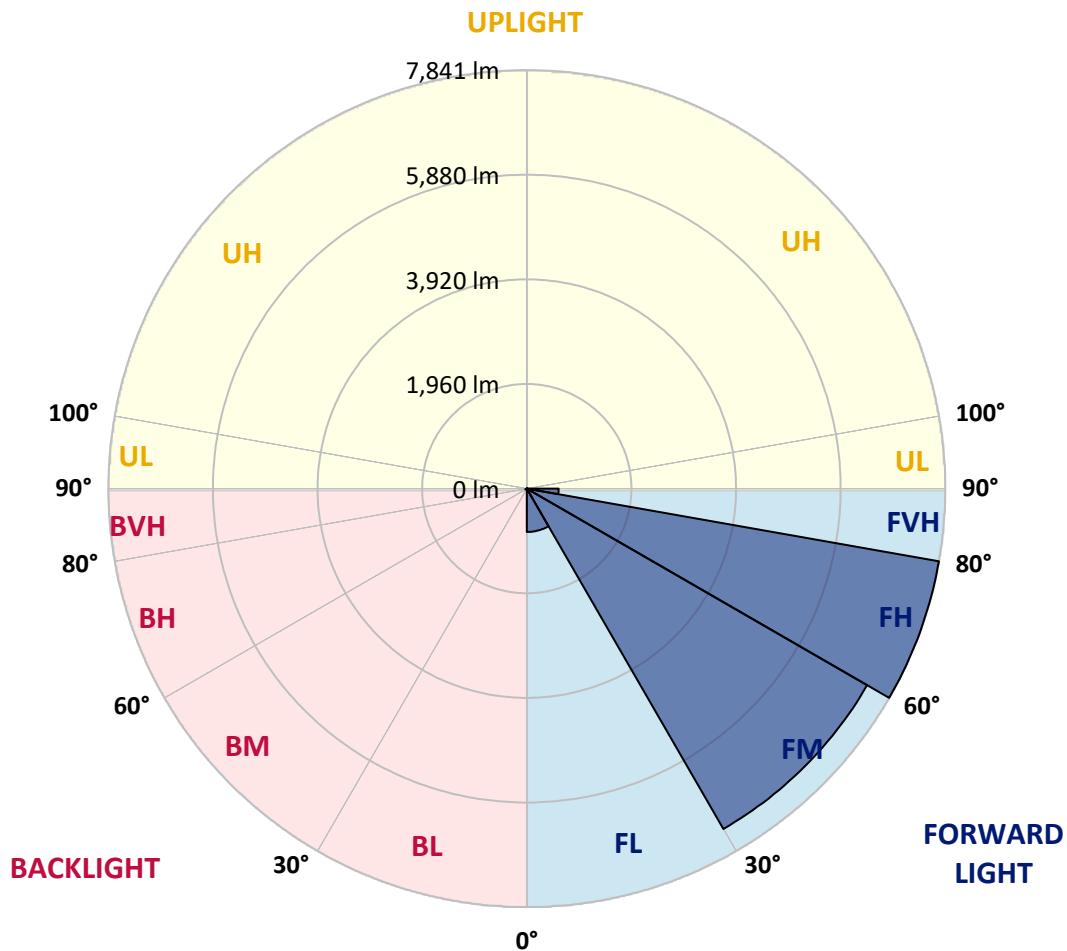
CATALOG NUMBER: GALN-SA4C-935-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	812.3	4.9			
FM	(30°-60°)	7362.4	44.2			
FH	(60°-80°)	7840.5	47.0			G4/12000
FVH	(80°-90°)	596.8	3.6			G4/750
BL	(0°-30°)	14.3	0.1	B0/110		
BM	(30°-60°)	13.7	0.1	B0/220		
BH	(60°-80°)	28.5	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	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-G4

Type IV Short



REPORT NUMBER: P1048755

CATALOG NUMBER: GALN-SA4C-935-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
2.5°	105.0	105.0	105.0	101.6	101.6	100.4	99.3	99.3	97.1	95.9	93.7
5°	159.1	155.7	147.8	143.3	134.3	128.7	123.0	115.1	107.2	101.6	94.8
7.5°	360.0	367.9	342.0	293.4	243.8	222.3	186.2	150.1	124.1	107.2	95.9
10°	917.5	913.0	825.0	727.9	562.0	495.4	388.2	244.9	160.3	117.4	97.1
12.5°	1560.8	1556.3	1452.5	1320.4	1101.5	962.7	759.5	457.1	230.2	133.2	97.1
15°	2101.4	2083.3	2050.6	1919.7	1663.5	1547.3	1278.7	808.0	372.4	160.3	99.3
17.5°	2459.1	2443.3	2412.9	2365.5	2202.9	2065.3	1849.7	1269.6	602.7	207.7	103.8
20°	2787.5	2776.3	2751.4	2742.4	2637.4	2564.1	2385.8	1800.1	939.0	282.1	110.6
22.5°	3239.0	3215.3	3225.4	3171.3	3068.6	2980.5	2871.1	2355.3	1349.8	406.3	123.0
25°	3792.0	3780.7	3752.5	3714.1	3571.9	3495.1	3327.0	2879.0	1809.1	568.8	136.6
27.5°	4460.1	4447.7	4440.9	4352.9	4189.2	4105.7	3871.0	3373.3	2326.0	796.8	154.6
30°	5229.7	5235.4	5191.4	5078.5	4887.8	4770.4	4528.9	3891.3	2855.3	1064.2	173.8
32.5°	6026.5	6015.2	5947.5	5814.3	5643.9	5534.5	5227.5	4458.9	3410.5	1417.5	196.4
35°	6885.3	6863.9	6685.6	6533.2	6387.6	6250.0	5970.1	5118.0	3965.8	1813.6	226.8
37.5°	7752.1	7651.6	7293.9	7100.9	7000.5	6887.6	6626.9	5821.1	4517.6	2256.0	264.1
40°	8406.6	8328.8	7904.4	7548.9	7468.8	7372.9	7178.8	6428.3	5104.5	2731.1	309.2
42.5°	8768.9	8726.0	8344.6	7993.6	7805.1	7720.5	7554.6	6958.7	5684.6	3255.9	374.7
45°	8923.5	8856.9	8601.9	8438.2	8138.0	7998.1	7800.6	7359.3	6290.6	3851.8	466.1
47.5°	8876.1	8837.7	8654.9	8714.7	8496.9	8279.1	7989.1	7666.3	6808.6	4535.7	591.4
50°	8578.2	8545.4	8489.0	8812.9	8785.8	8528.5	8232.8	7908.9	7231.8	5241.0	785.5
52.5°	8011.6	7998.1	8142.6	8736.2	8949.5	8748.6	8467.6	8123.4	7626.8	5978.0	1063.1
55°	7281.5	7336.8	7749.8	8616.5	9033.0	8911.1	8675.2	8324.3	7943.9	6637.1	1472.8
57.5°	6981.3	6995.9	7511.7	8531.9	9070.2	9054.4	8877.2	8516.1	8235.1	7164.1	2098.0
60°	7332.2	7309.7	7581.7	8596.2	9144.7	9183.1	9056.7	8694.4	8487.9	7616.6	2930.9
62.5°	7966.5	7954.1	8041.0	8870.5	9362.5	9440.4	9306.1	8823.1	8711.3	7914.6	3881.1
65°	8533.0	8507.1	8668.5	9356.9	9745.1	9800.4	9683.0	9043.1	8809.5	8131.3	4773.8
67.5°	8777.9	8772.3	9031.9	9819.6	10146.9	10206.7	10104.0	9346.7	8787.0	8200.1	5167.7
70°	8666.2	8644.8	9060.1	10016.0	10373.7	10441.4	10342.1	9459.6	8542.1	7982.3	4584.2
71°	8543.2	8485.6	8975.4	10002.4	10405.3	10462.9	10289.1	9356.9	8296.0	7673.1	4054.9
72.5°	8161.7	8171.9	8742.9	9861.3	10329.7	10312.8	9988.9	8989.0	7999.2	6971.1	3257.0
75°	7222.8	7282.6	7990.2	9268.9	9654.8	9439.3	8943.8	8285.9	7403.3	4998.4	2261.6
77.5°	5902.4	5991.5	6769.1	8129.0	8019.5	7998.1	7977.8	7300.6	6322.2	2684.8	1573.2
80°	2818.0	3011.0	4083.1	5803.0	6304.1	6546.8	6394.4	5883.2	4888.9	1278.7	940.1
82.5°	184.0	181.7	257.3	487.5	2055.1	2656.6	4220.8	4205.0	3408.2	623.0	383.7
85°	86.9	89.2	98.2	111.7	129.8	142.2	196.4	1151.1	1630.8	296.8	83.5
87.5°	50.8	51.9	60.9	77.9	101.6	112.9	134.3	172.7	212.2	163.6	18.1
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: P1048755

CATALOG NUMBER: GALN-SA4C-935-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
2.5°	92.5	91.4	88.0	84.6	81.3	79.0	77.9	79.0	79.0	80.1	80.1
5°	92.5	89.2	83.5	76.7	72.2	67.7	65.5	64.3	65.5	65.5	65.5
7.5°	91.4	85.8	77.9	70.0	64.3	58.7	56.4	55.3	55.3	56.4	56.4
10°	89.2	83.5	73.4	64.3	57.6	50.8	47.4	44.0	44.0	44.0	45.1
12.5°	88.0	80.1	67.7	58.7	49.7	41.8	35.0	31.6	32.7	32.7	32.7
15°	85.8	76.7	64.3	53.0	41.8	31.6	26.0	22.6	23.7	24.8	23.7
17.5°	85.8	75.6	59.8	46.3	32.7	23.7	19.2	16.9	16.9	18.1	18.1
20°	85.8	73.4	56.4	39.5	24.8	18.1	13.5	12.4	12.4	14.7	15.8
22.5°	88.0	73.4	51.9	32.7	20.3	13.5	10.2	9.0	10.2	12.4	13.5
25°	91.4	72.2	47.4	29.3	16.9	10.2	7.9	5.6	6.8	9.0	10.2
27.5°	94.8	71.1	42.9	26.0	13.5	7.9	5.6	4.5	3.4	4.5	4.5
30°	98.2	71.1	38.4	21.4	11.3	5.6	3.4	2.3	1.1	0.0	0.0
32.5°	100.4	68.8	35.0	16.9	9.0	4.5	2.3	1.1	0.0	0.0	0.0
35°	102.7	66.6	30.5	13.5	6.8	3.4	1.1	0.0	0.0	0.0	0.0
37.5°	105.0	63.2	26.0	11.3	5.6	2.3	0.0	0.0	0.0	0.0	0.0
40°	107.2	58.7	21.4	10.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	109.5	55.3	18.1	7.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	115.1	53.0	14.7	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	125.3	50.8	13.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	139.9	48.5	12.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	160.3	47.4	11.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	196.4	46.3	10.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	258.4	45.1	10.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	396.1	42.9	10.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	707.6	41.8	9.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1233.5	42.9	9.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1768.5	45.1	7.9	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1513.4	39.5	7.9	4.5	2.3	1.1	0.0	0.0	0.0	0.0	0.0
71°	1233.5	35.0	7.9	4.5	2.3	1.1	1.1	0.0	0.0	0.0	0.0
72.5°	793.4	27.1	6.8	4.5	2.3	2.3	1.1	0.0	0.0	0.0	0.0
75°	335.2	22.6	6.8	4.5	3.4	2.3	2.3	1.1	0.0	0.0	0.0
77.5°	143.3	16.9	6.8	5.6	4.5	3.4	3.4	2.3	1.1	0.0	0.0
80°	54.2	13.5	7.9	6.8	5.6	5.6	4.5	2.3	1.1	0.0	0.0
82.5°	24.8	11.3	7.9	6.8	6.8	5.6	4.5	3.4	2.3	0.0	0.0
85°	15.8	10.2	7.9	6.8	6.8	5.6	5.6	3.4	2.3	0.0	0.0
87.5°	12.4	10.2	7.9	7.9	6.8	6.8	4.5	3.4	1.1	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

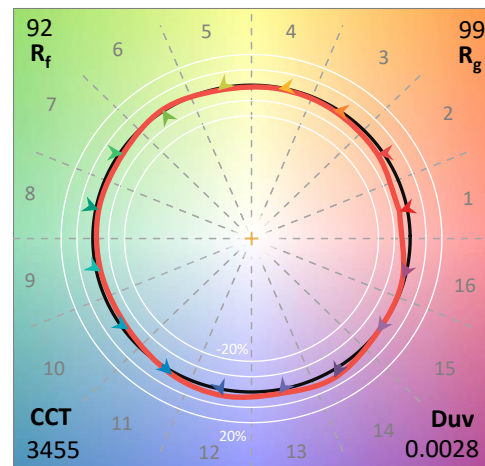
Test Information

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

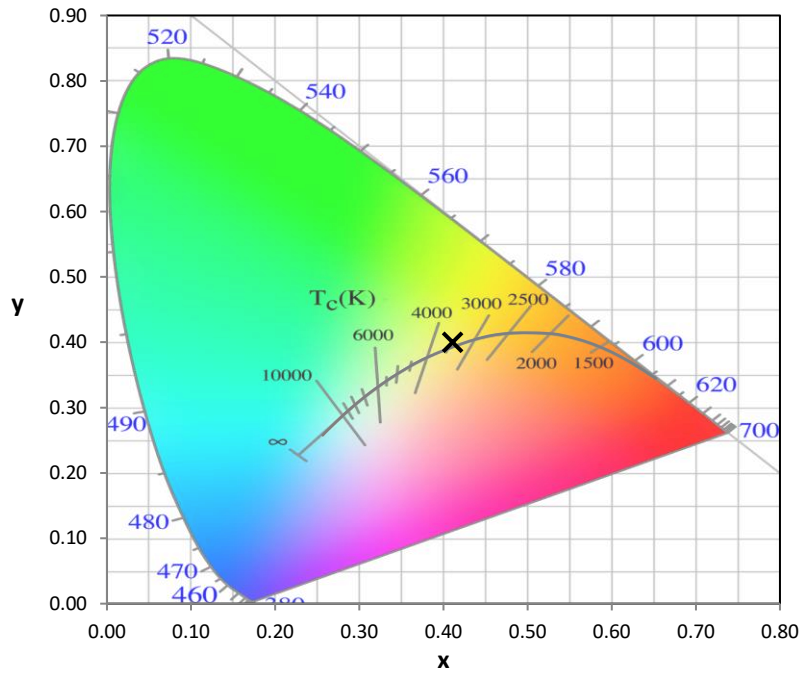
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-15

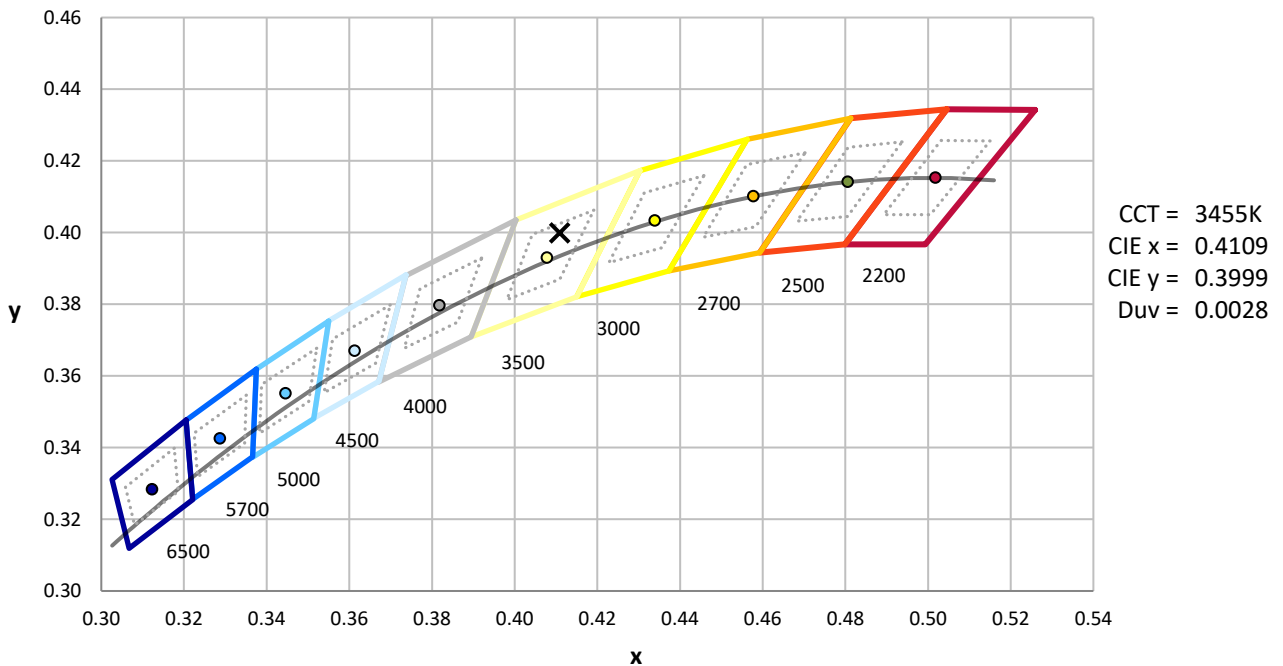
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-15

CIE 1931 Chromaticity Diagram



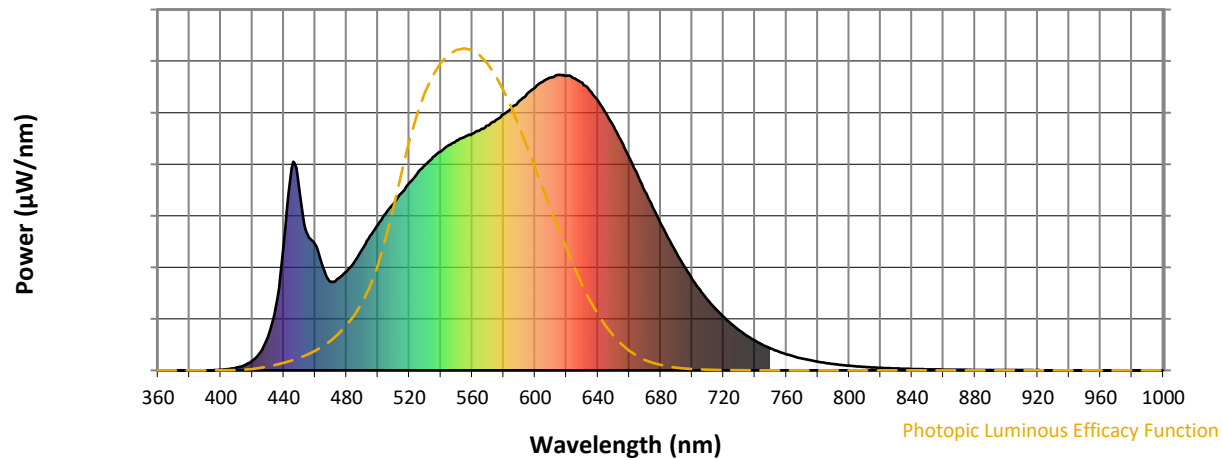
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-15

Photopic Flux vs. Wavelength

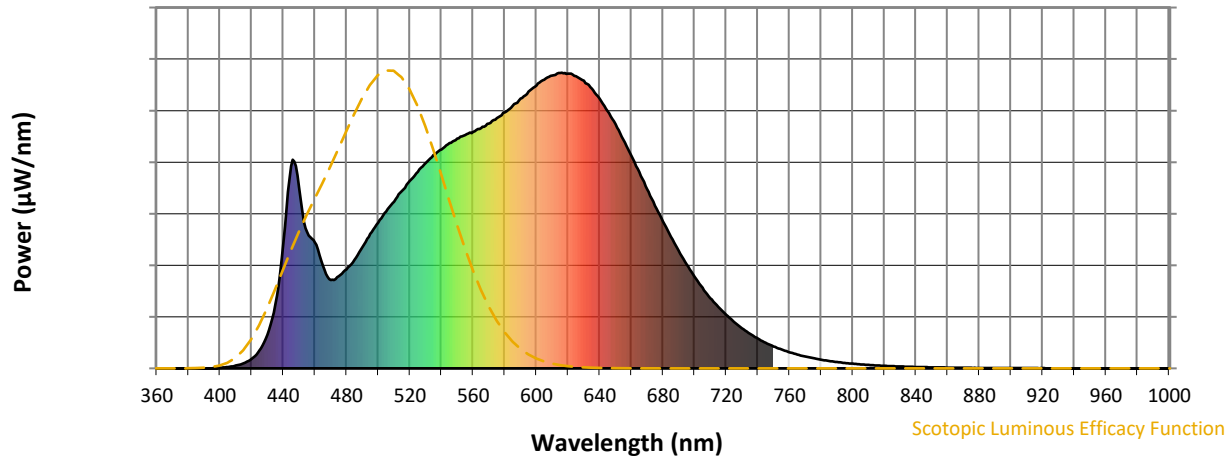


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-15

Scotopic Flux vs. Wavelength



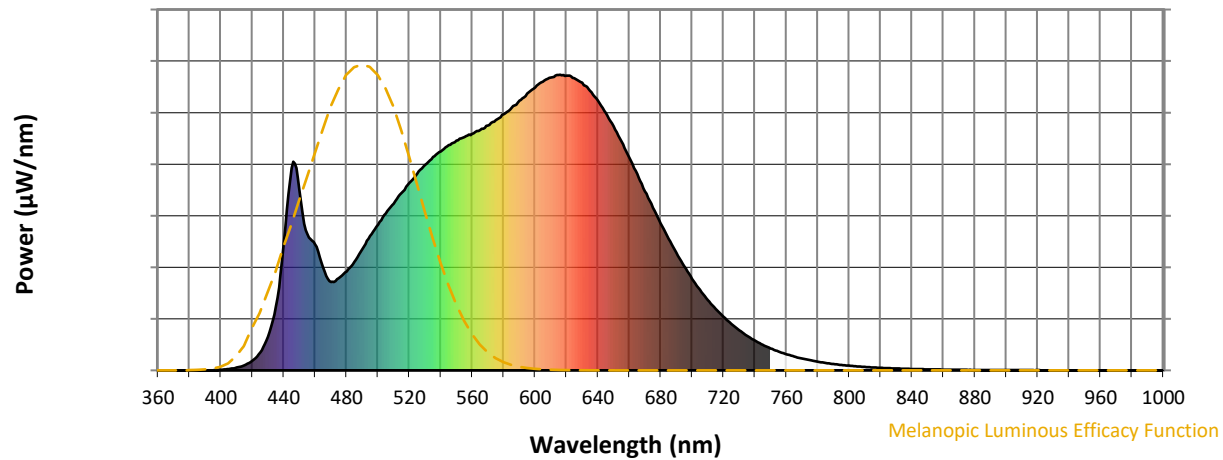
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-15

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.14

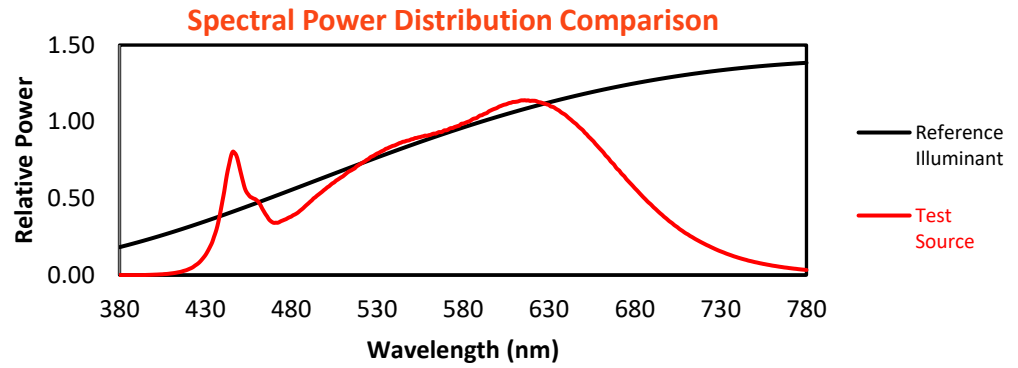
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	410	NR	620	997	NR	750	74	NR	880	1	NR
365	0	NR	495	454	NR	625	988	NR	755	64	NR	885	1	NR
370	0	NR	500	493	NR	630	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			

REPORT NUMBER: SP1-2407-184-15

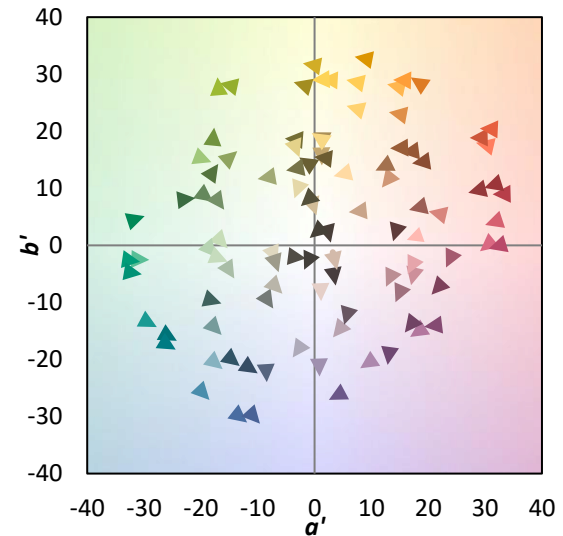
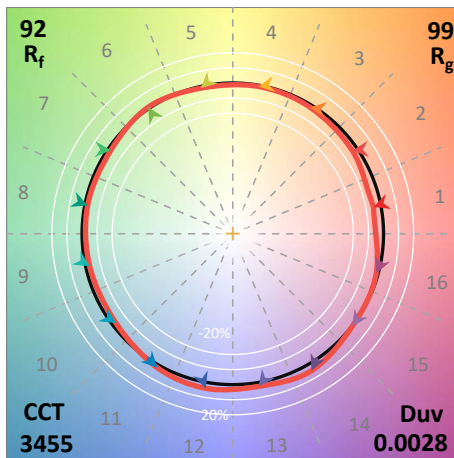
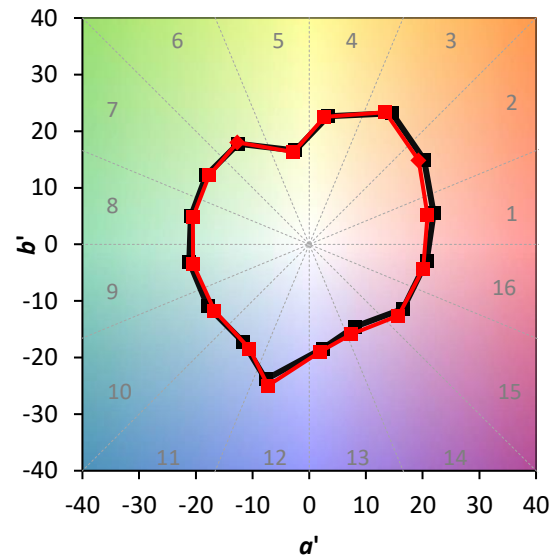
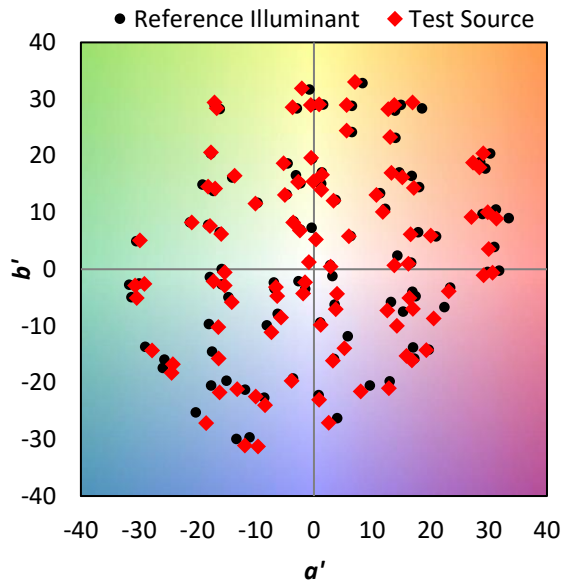
TM-30-18

Summary

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

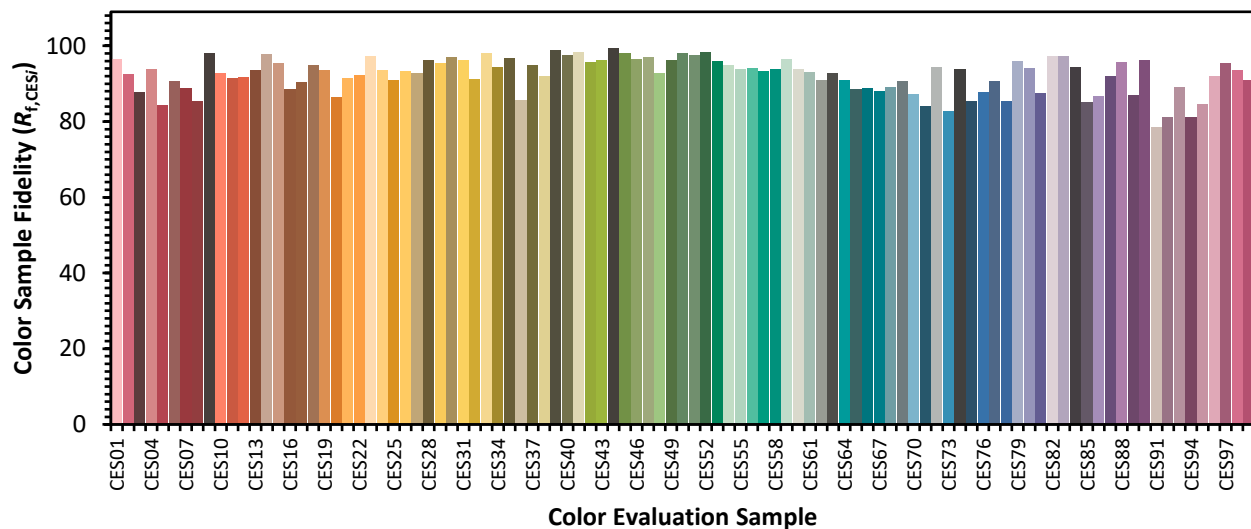


Color Vector Graphics

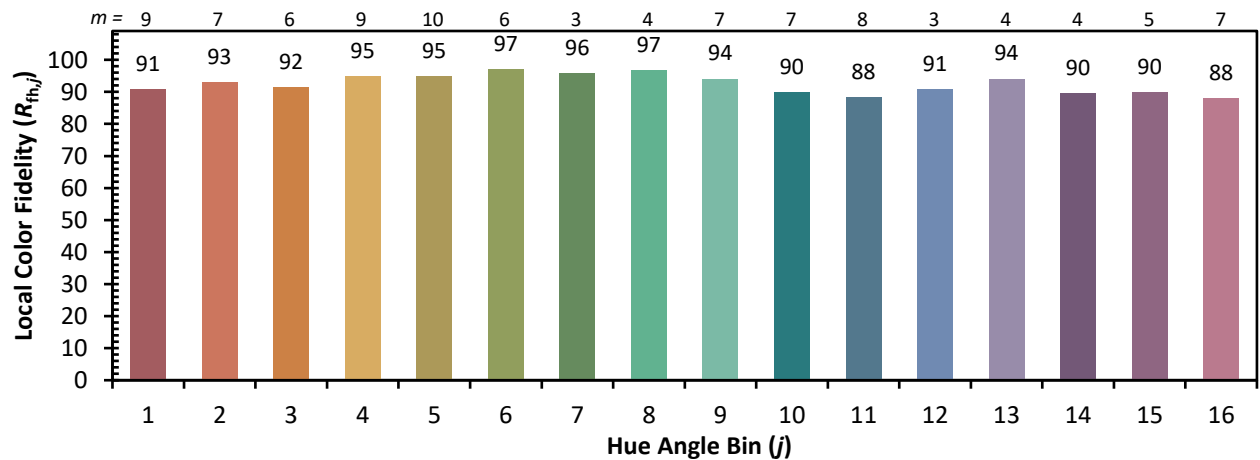
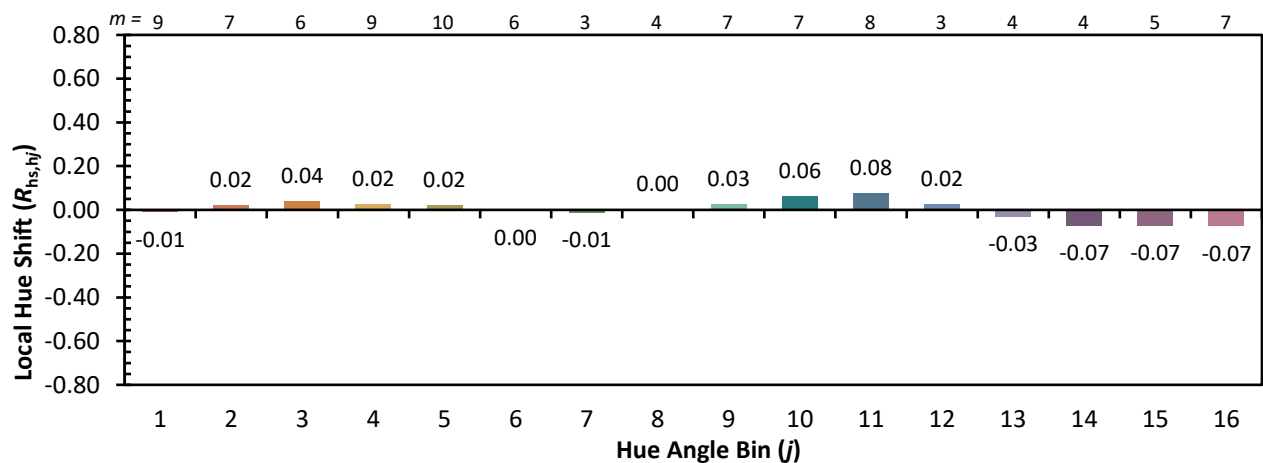
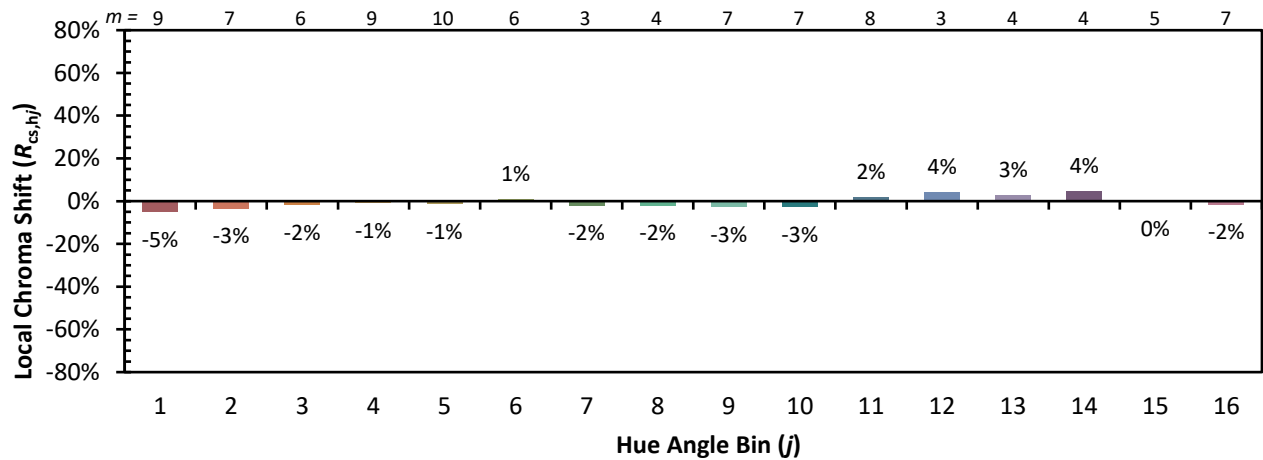


Individual Sample Fidelity Index ($R_{f,i}$)

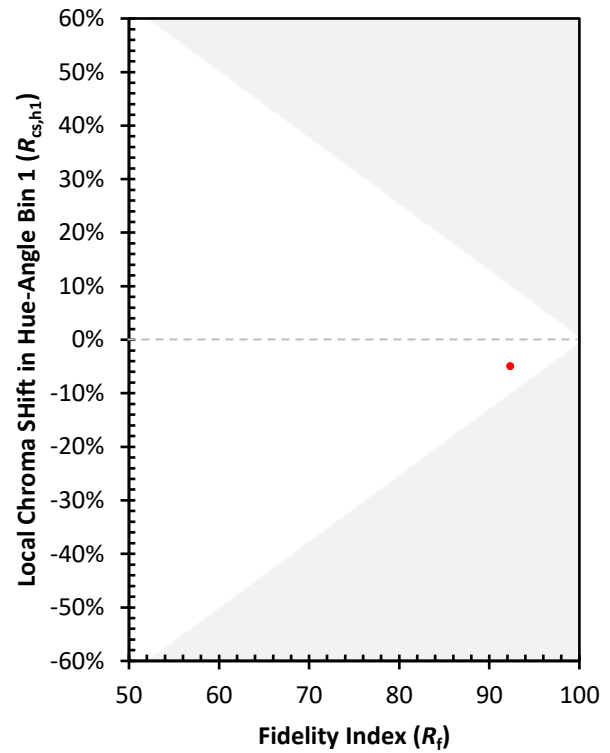
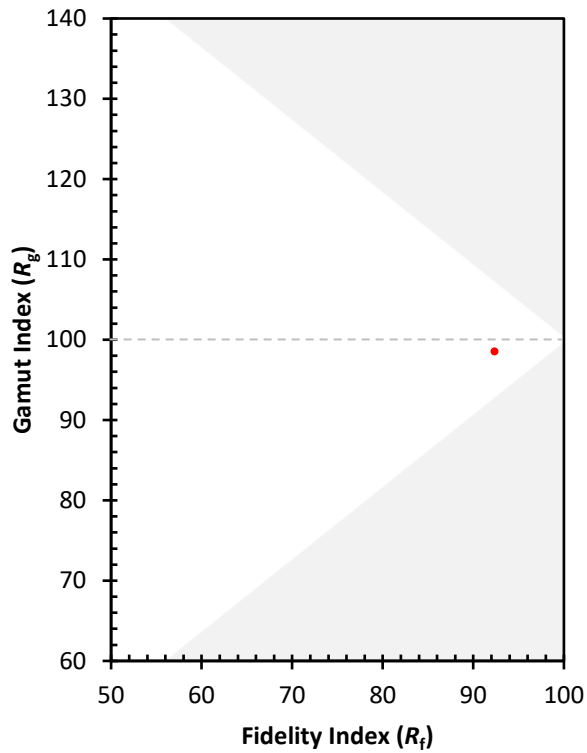
CES01 = 86	CES26 = 93	CES51 = 97	CES76 = 88
CES02 = 62	CES27 = 93	CES52 = 98	CES77 = 91
CES03 = 31	CES28 = 96	CES53 = 96	CES78 = 85
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 96
CES05 = 50	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 87
CES07 = 42	CES32 = 91	CES57 = 93	CES82 = 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)