

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: P1047073

Luminaire Tested: **GALN-SA7A-722-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047073
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7A-722-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (98) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19096.9 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 193.1
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

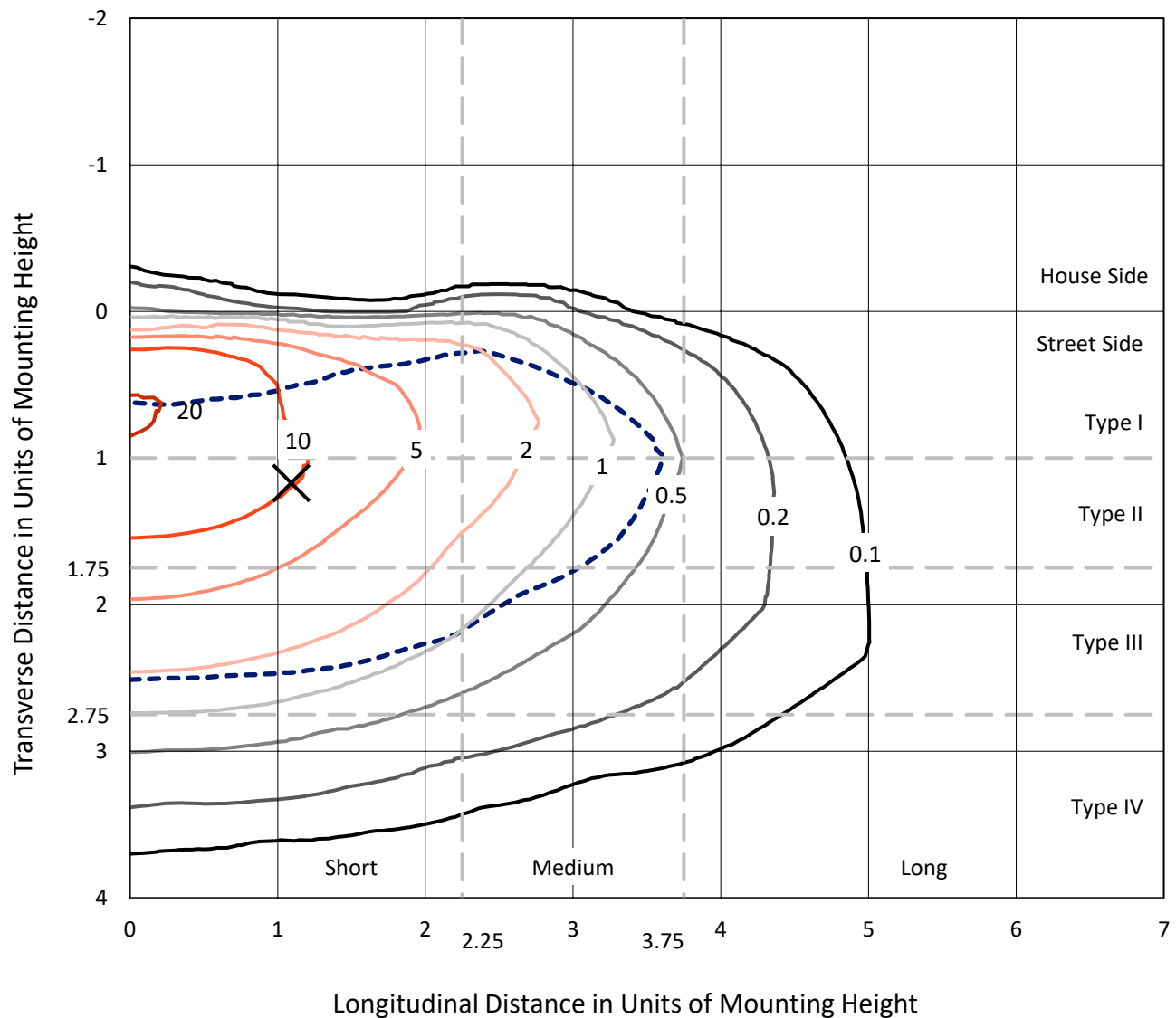


REPORT NUMBER: P1047073

CATALOG NUMBER: GALN-SA7A-722-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

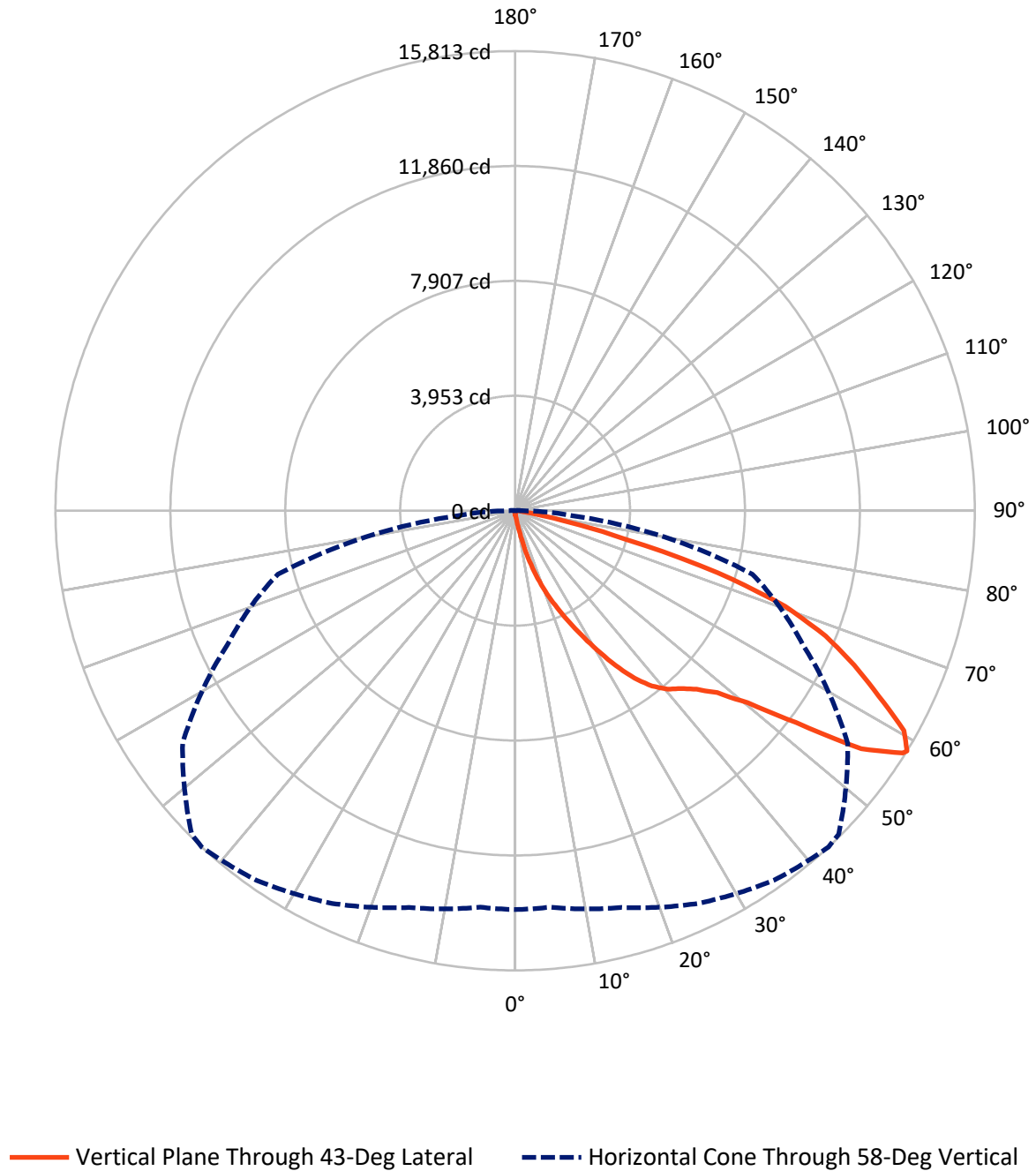


Based on 15 foot mounting height. Maximum calculated value = 21.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1047073

CATALOG NUMBER: GALN-SA7A-722-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1047073

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	69.7	0.0	69.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	19027.2	0.0	19027.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	19096.9	0.0	19096.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.1
10°-20°	219.5	1.1
20°-30°	791.2	4.1
30°-40°	1810.3	9.5
40°-50°	3053.2	16.0
50°-60°	5038.5	26.4
60°-70°	5631.2	29.5
70°-80°	2325.0	12.2
80°-90°	209.6	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°	19096.9	100.0
0°-180°	19096.9	100.0



REPORT NUMBER: P1047073

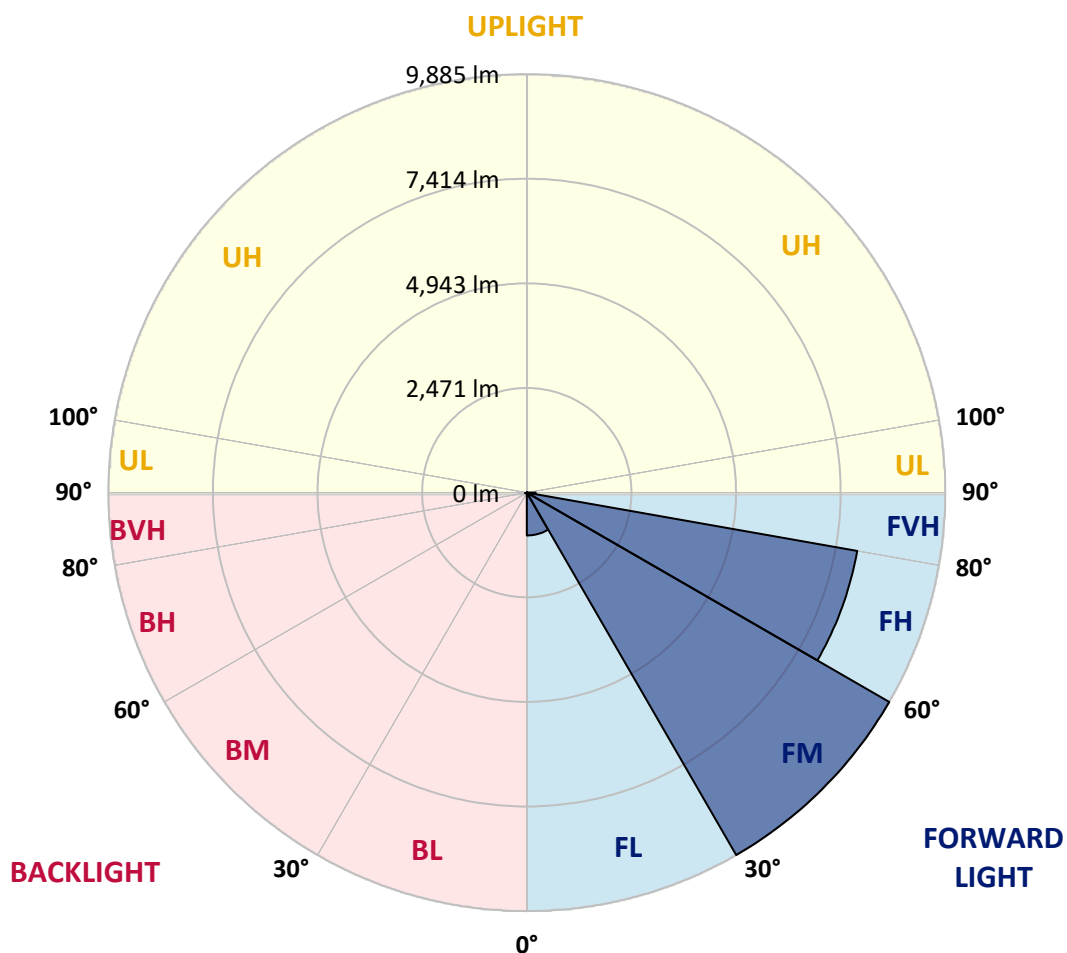
CATALOG NUMBER: GALN-SA7A-722-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1010.8	5.3			
FM	(30°-60°)	9885.3	51.8			
FH	(60°-80°)	7924.3	41.5			G4/12000
FVH	(80°-90°)	206.7	1.1			G2/225
BL	(0°-30°)	18.2	0.1	B0/110		
BM	(30°-60°)	16.7	0.1	B0/220		
BH	(60°-80°)	32.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	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-G4

Type III Short



REPORT NUMBER: P1047073

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9
2.5°	149.8	154.8	149.8	149.8	149.8	144.8	144.8	139.8	139.8	134.9	129.9
5°	219.8	219.8	204.8	194.8	184.8	179.8	174.8	164.8	154.8	144.8	134.9
7.5°	489.5	489.5	444.5	384.6	304.7	259.7	249.7	204.8	174.8	154.8	134.9
10°	1168.7	1168.7	1068.9	904.0	699.2	519.4	464.5	294.7	209.8	164.8	139.8
12.5°	1942.9	1967.9	1843.0	1633.2	1328.6	1013.9	904.0	539.4	279.7	179.8	139.8
15°	2637.2	2577.2	2542.3	2342.5	2052.8	1678.2	1538.3	909.0	404.6	204.8	139.8
17.5°	3106.7	3106.7	3056.7	2921.9	2657.1	2327.5	2212.6	1468.4	654.3	234.7	144.8
20°	3656.1	3656.1	3566.2	3471.3	3236.5	2956.8	2846.9	2087.8	1013.9	299.7	144.8
22.5°	4320.4	4330.3	4230.4	4060.6	3835.9	3526.2	3431.3	2662.1	1468.4	399.6	149.8
25°	5129.5	5139.5	4994.6	4834.8	4490.2	4155.5	4010.7	3321.4	2022.8	559.4	149.8
27.5°	6023.5	6093.4	5878.7	5604.0	5239.4	4819.8	4709.9	3915.8	2572.2	789.2	159.8
30°	7137.3	7137.3	6852.6	6468.0	6073.5	5554.0	5414.2	4540.1	3156.6	1093.8	169.8
32.5°	8096.3	8021.4	7656.8	7252.2	6832.6	6348.2	6198.3	5194.4	3756.0	1473.4	189.8
35°	8830.5	8765.6	8316.1	7881.5	7516.9	7072.4	6892.6	5903.6	4390.3	1903.0	219.8
37.5°	9459.8	9434.8	8825.5	8281.1	8041.3	7651.8	7491.9	6572.9	5014.6	2367.5	254.7
40°	10149.1	10069.2	9419.9	8745.6	8386.0	8071.3	7926.5	7112.3	5614.0	2911.9	304.7
42.5°	10738.4	10643.5	10059.2	9399.9	8785.5	8361.0	8221.2	7566.9	6198.3	3456.3	369.6
45°	11392.7	11342.8	10753.4	10254.0	9434.8	8755.6	8570.8	7931.5	6732.8	4105.6	454.5
47.5°	12376.7	12286.8	11737.4	11327.8	10378.8	9354.9	9090.2	8306.1	7247.2	4744.9	584.4
50°	13520.5	13460.5	13135.9	12811.2	11867.2	10378.8	10064.2	8845.5	7821.6	5504.1	754.2
52.5°	14454.4	14444.5	14484.4	14489.4	13775.2	12102.0	11632.5	9714.5	8480.9	6253.3	993.9
55°	14434.5	14479.4	14918.9	15423.4	15478.3	14454.4	13999.9	11178.0	9340.0	7177.3	1328.6
57.5°	13895.1	13860.1	14324.6	15083.8	15618.2	15728.1	15653.2	13450.5	10633.6	8291.1	1843.0
58°	13720.2	13690.3	14129.8	14904.0	15518.3	15813.0	15738.1	13965.0	10923.2	8450.9	1982.9
60°	13085.9	13090.9	13350.6	14054.9	14669.2	15368.5	15438.4	15433.4	12366.7	9519.8	2687.1
62.5°	12246.8	12206.9	12446.6	13021.0	13560.4	14029.9	14149.8	15533.3	14479.4	10878.3	4030.7
65°	11088.1	11028.1	11282.9	11932.2	12511.5	12816.2	12821.2	14194.7	15473.4	12336.7	5948.6
67.5°	8935.4	8885.4	9394.9	10229.0	11123.0	11522.6	11702.4	12316.7	14634.3	13325.7	7047.4
70°	5474.1	5579.0	6288.2	7596.8	9125.2	9859.4	10129.1	10318.9	12461.6	13175.8	5893.7
72.5°	2527.3	2402.4	3006.8	3920.8	5663.9	7297.1	7576.8	8321.0	9879.4	11437.7	4395.3
75°	1178.7	1133.8	1273.6	1713.2	2567.2	3940.8	4450.2	6642.9	7576.8	7956.4	3171.6
77.5°	604.3	609.3	724.2	779.2	1058.9	1823.0	2092.7	4370.3	5554.0	4440.2	2127.7
80°	264.7	274.7	279.7	304.7	429.5	704.2	794.1	2027.8	3795.9	2262.6	1163.7
82.5°	169.8	174.8	174.8	174.8	204.8	279.7	319.7	814.1	1893.0	1123.8	359.6
85°	89.9	89.9	99.9	124.9	144.8	169.8	179.8	259.7	624.3	334.6	84.9
87.5°	49.9	54.9	59.9	74.9	94.9	114.9	124.9	179.8	239.7	229.8	20.0
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: P1047073

CATALOG NUMBER: GALN-SA7A-722-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9
2.5°	129.9	124.9	119.9	114.9	109.9	104.9	104.9	104.9	104.9	104.9	104.9
5°	124.9	119.9	114.9	104.9	94.9	89.9	84.9	79.9	79.9	79.9	79.9
7.5°	124.9	119.9	104.9	94.9	84.9	74.9	64.9	64.9	64.9	64.9	64.9
10°	124.9	114.9	99.9	84.9	69.9	59.9	54.9	49.9	49.9	49.9	49.9
12.5°	124.9	109.9	94.9	74.9	59.9	49.9	45.0	40.0	40.0	40.0	40.0
15°	124.9	109.9	89.9	69.9	54.9	40.0	35.0	30.0	30.0	30.0	30.0
17.5°	119.9	104.9	84.9	59.9	45.0	30.0	25.0	20.0	20.0	25.0	25.0
20°	114.9	99.9	74.9	49.9	35.0	25.0	15.0	15.0	15.0	15.0	15.0
22.5°	114.9	99.9	69.9	45.0	30.0	15.0	10.0	10.0	10.0	10.0	15.0
25°	114.9	94.9	59.9	35.0	20.0	10.0	5.0	5.0	5.0	5.0	5.0
27.5°	114.9	94.9	54.9	30.0	15.0	10.0	5.0	0.0	0.0	0.0	0.0
30°	109.9	89.9	49.9	25.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0
32.5°	109.9	84.9	40.0	20.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0
35°	114.9	79.9	35.0	15.0	5.0	0.0	0.0	0.0	0.0	0.0	5.0
37.5°	119.9	74.9	30.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	124.9	69.9	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	134.9	69.9	25.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	144.8	69.9	20.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	164.8	74.9	20.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	179.8	79.9	15.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	199.8	74.9	15.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	224.8	74.9	15.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	244.7	69.9	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	254.7	64.9	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	304.7	59.9	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	474.5	49.9	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	964.0	45.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1798.1	40.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2012.8	45.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1268.6	35.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	669.3	35.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	334.6	35.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	154.8	25.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	64.9	15.0	10.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.0	15.0	10.0	10.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.0	15.0	15.0	10.0	10.0	5.0	5.0	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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

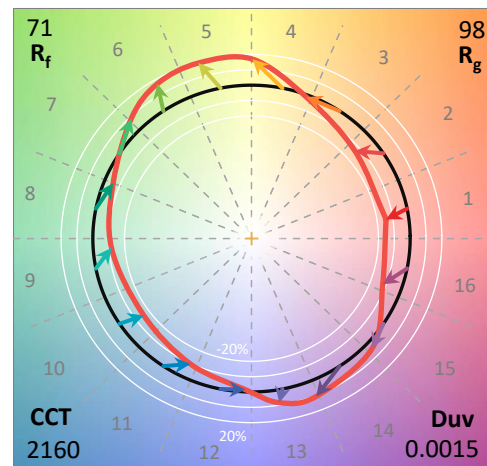
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-2
 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-722-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

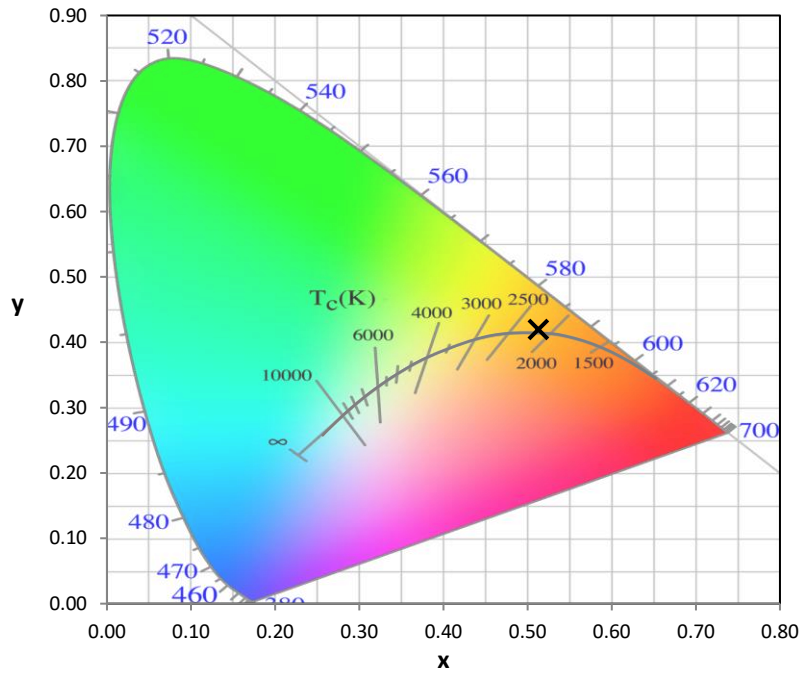
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

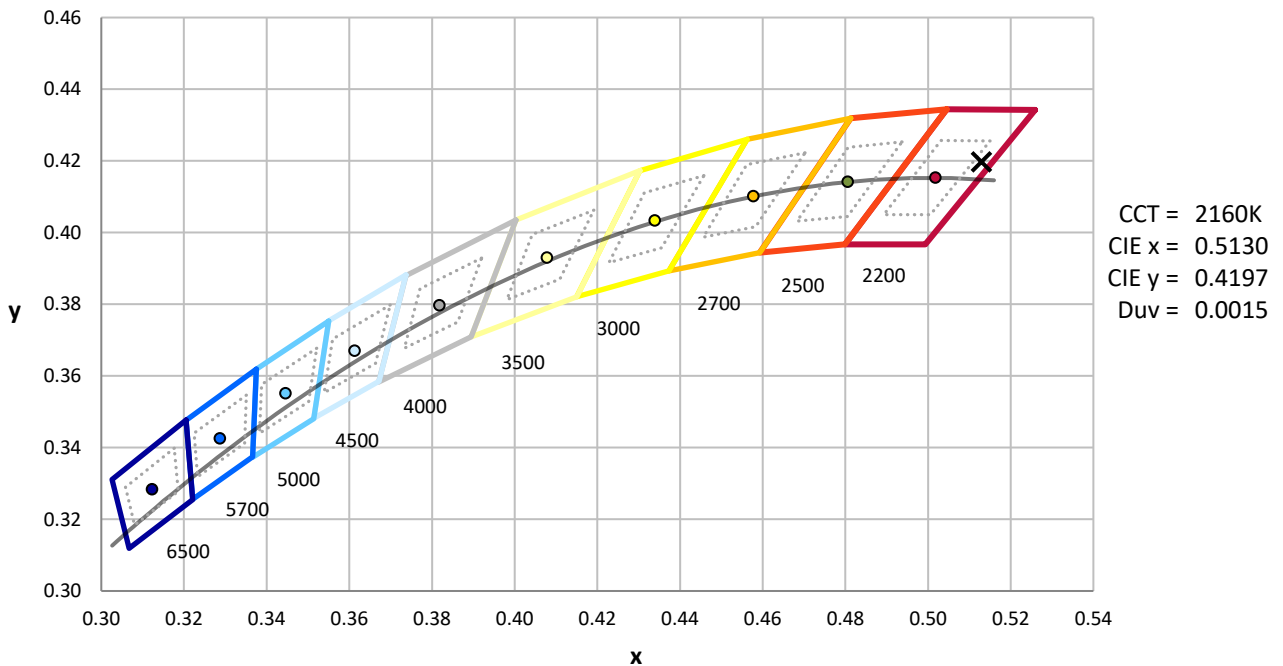
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



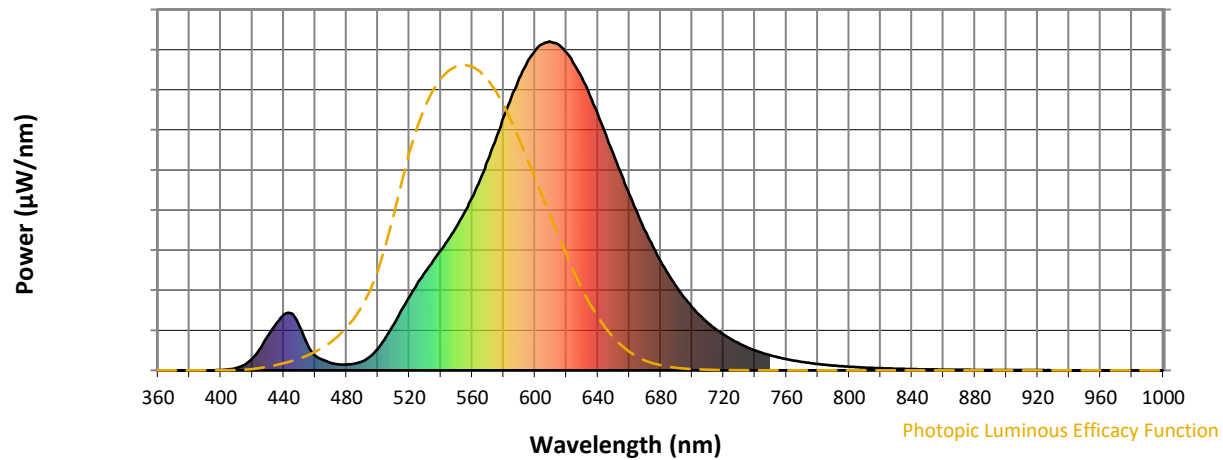
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

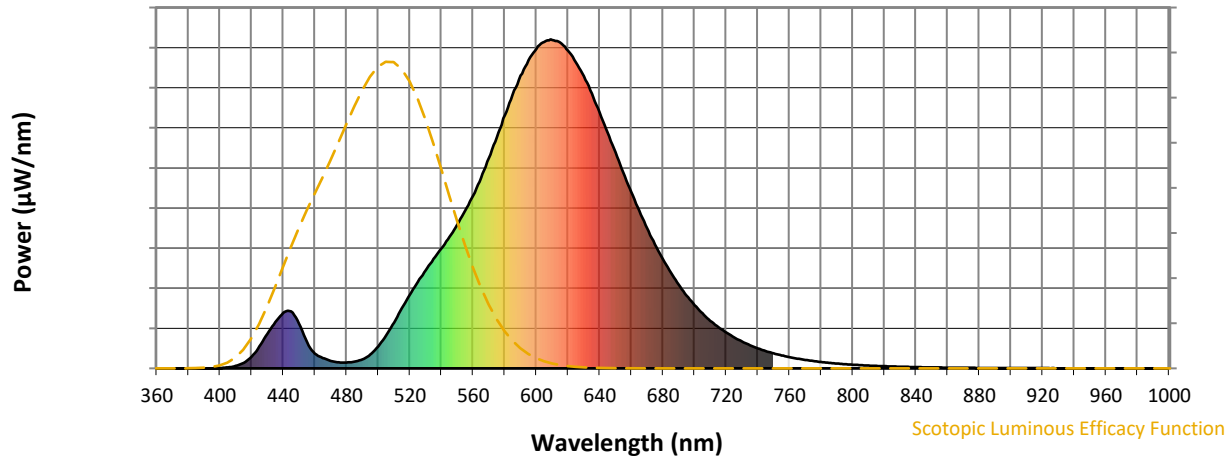


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength



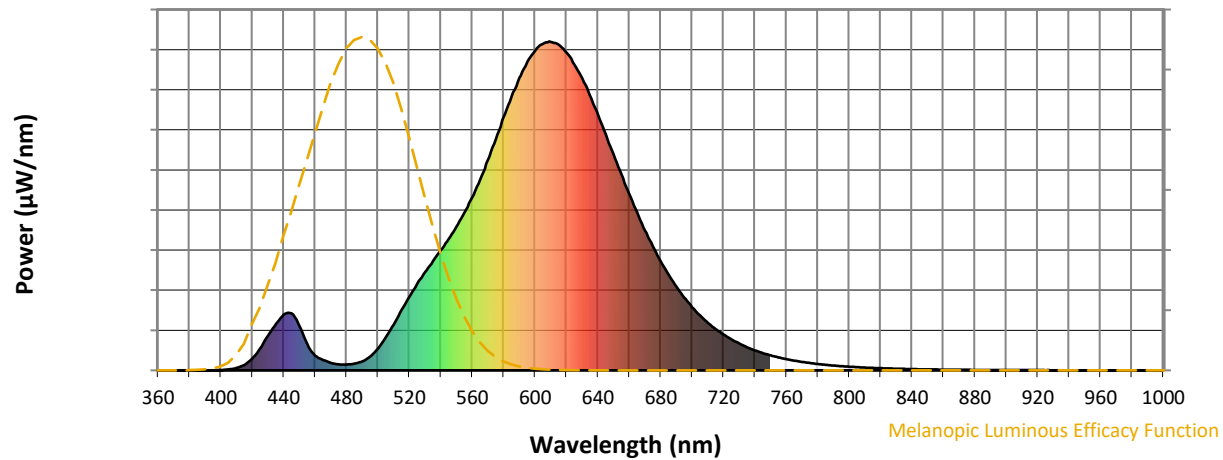
Scotopic Lumens: NR

S/P: 0.8

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.21

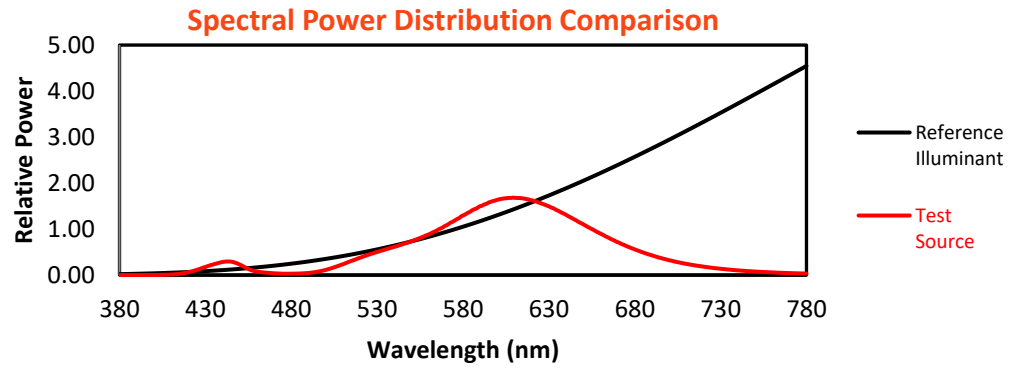
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

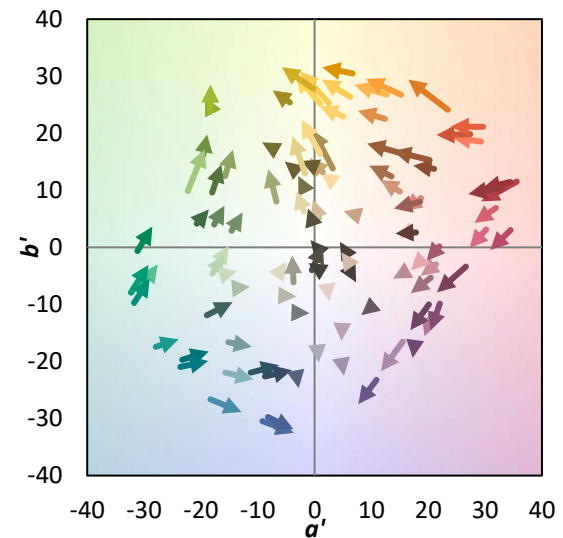
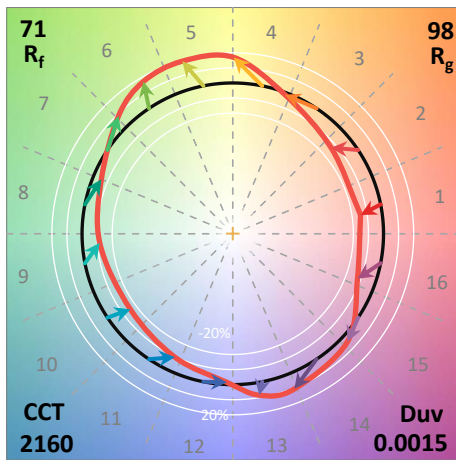
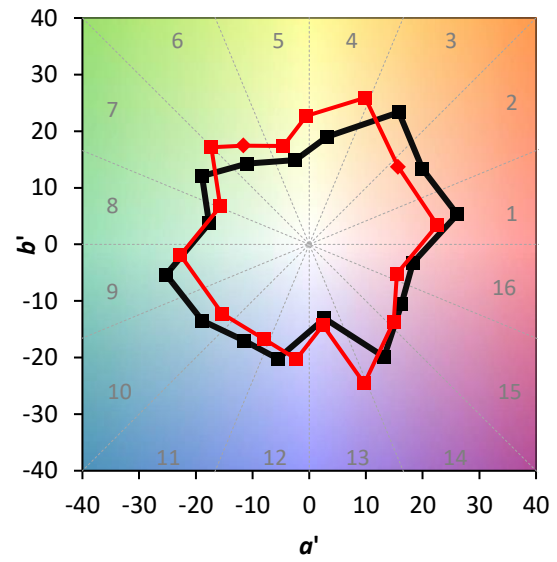
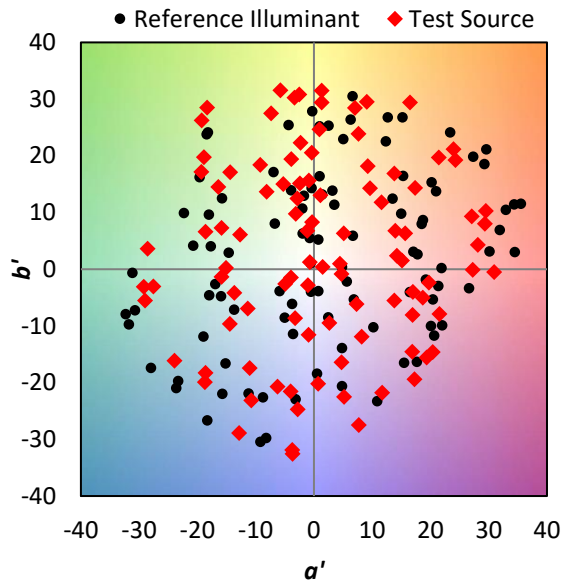
TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE\ R_a = 71.9$
 $R_g = -17.8$

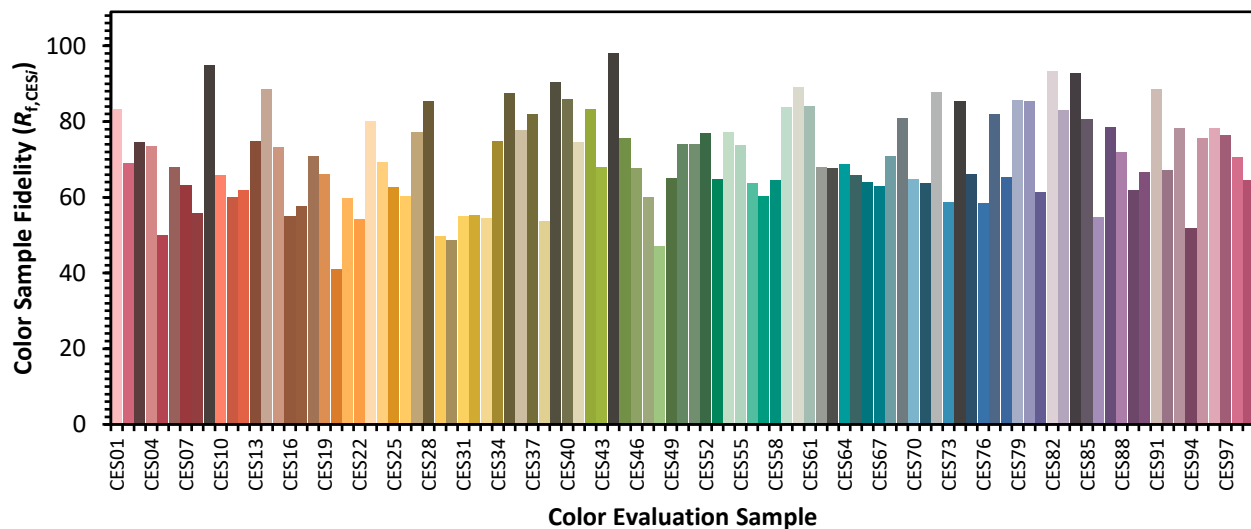


Color Vector Graphics

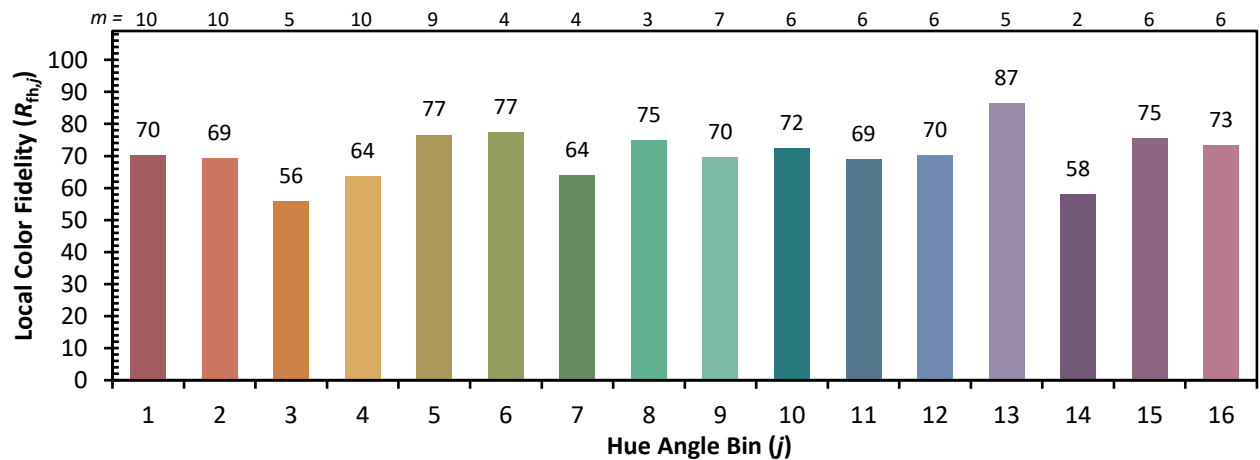
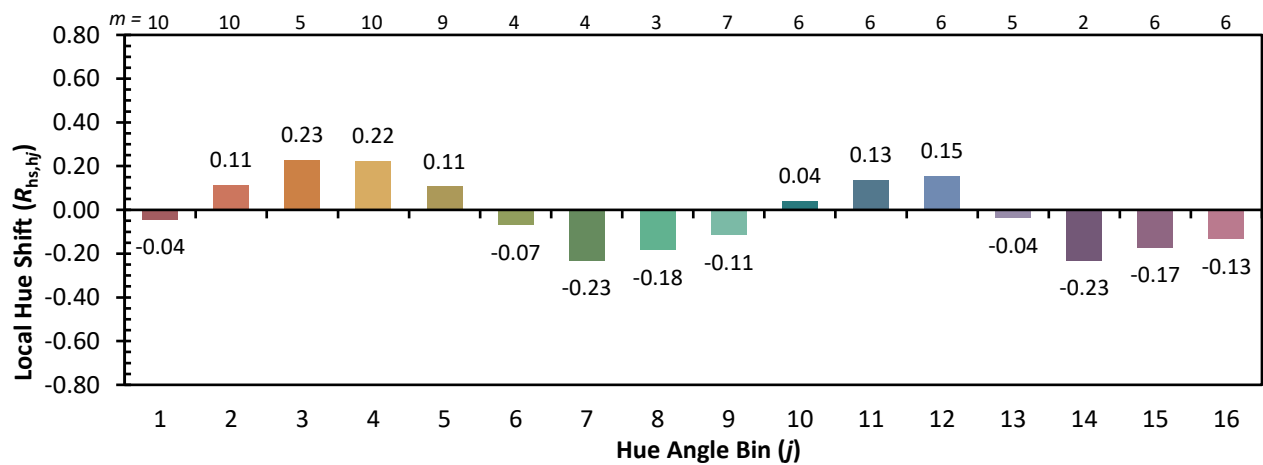
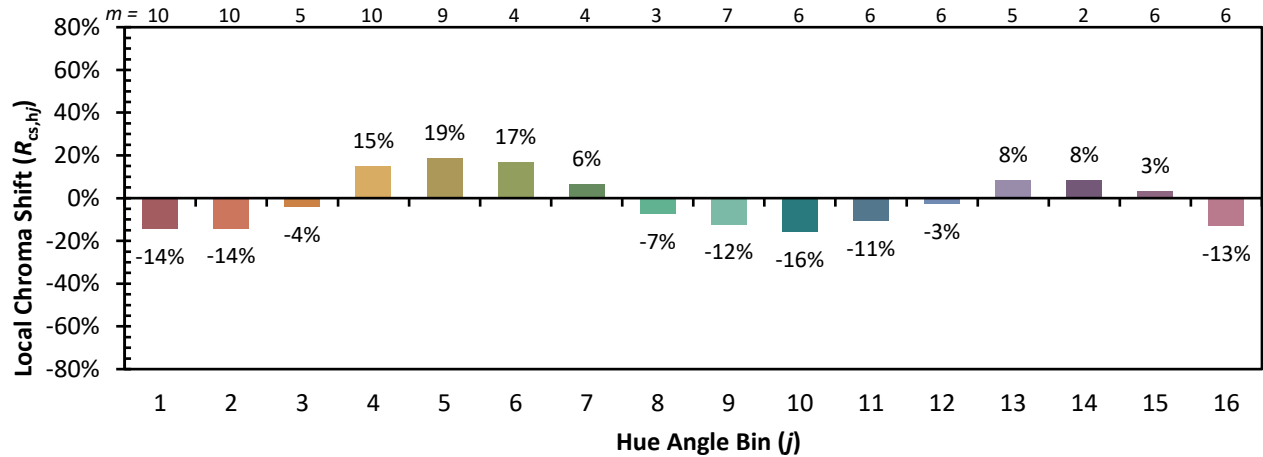


Individual Sample Fidelity Index ($R_{f,i}$)

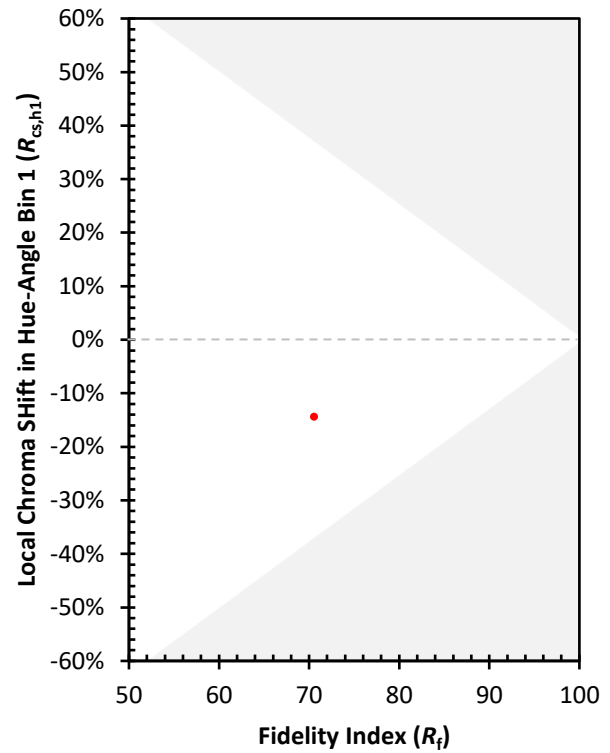
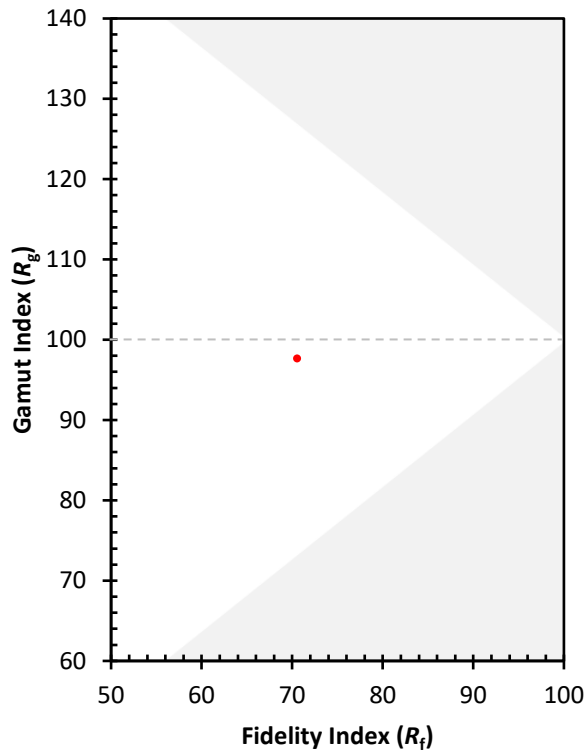
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)