

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: P1047687

Luminaire Tested: **GALN-SA7C-722-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047687
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7C-722-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 7xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (98) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28212.7 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 330
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



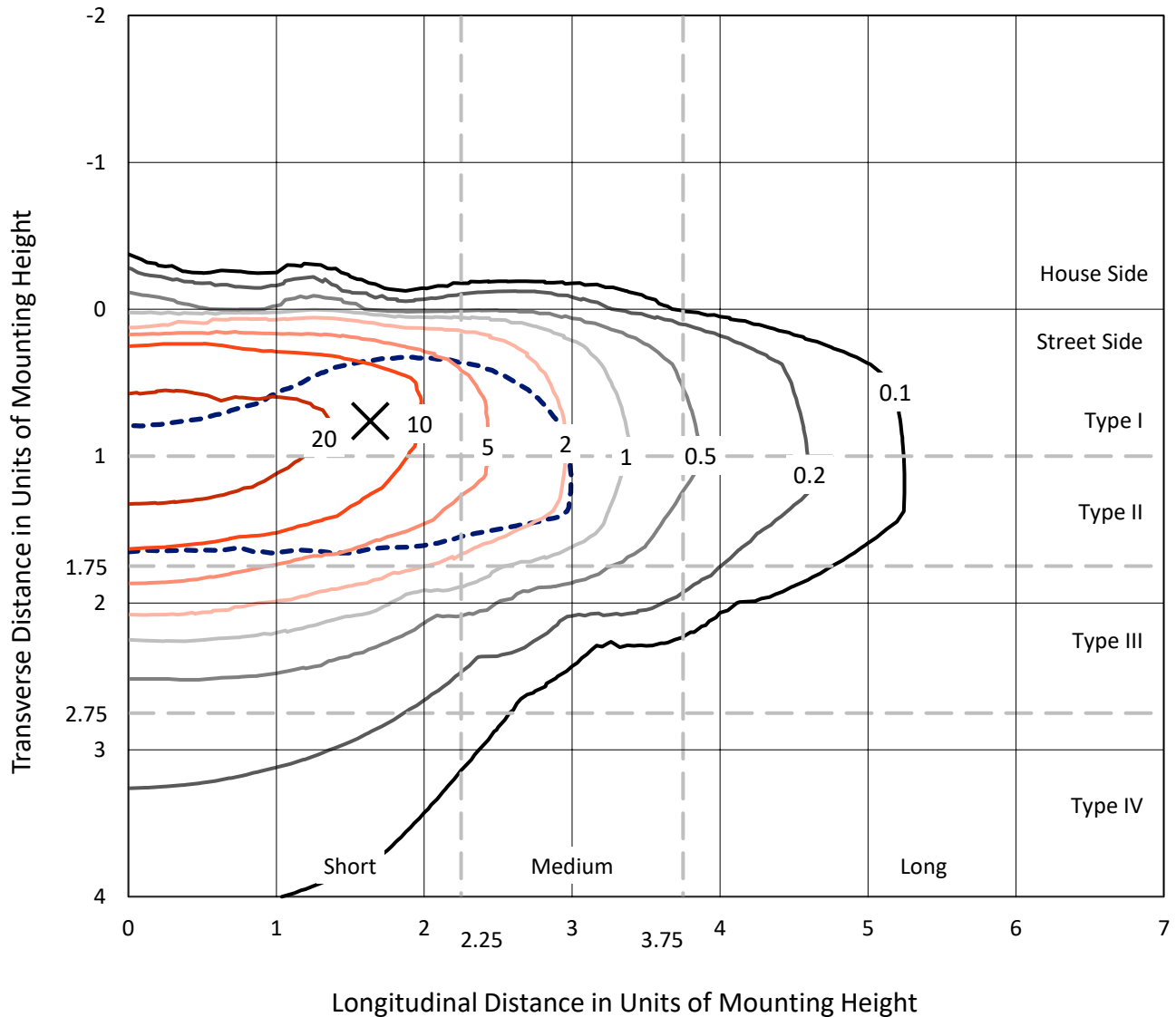
REPORT NUMBER: P1047687

CATALOG NUMBER: GALN-SA7C-722-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

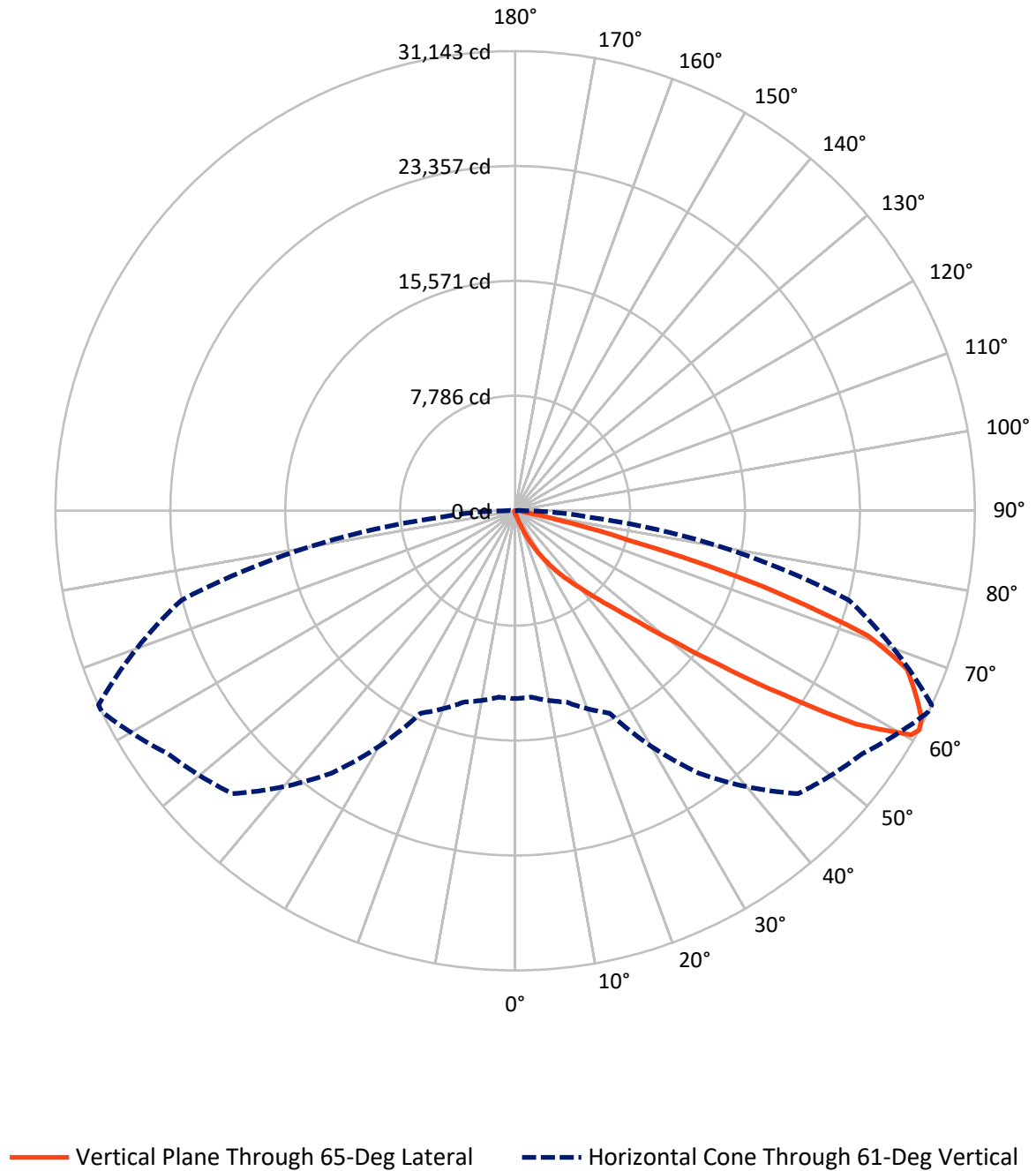


Based on 15 foot mounting height. Maximum calculated value = 37.3 fc
Type II - Short - N/A

REPORT NUMBER: P1047687

CATALOG NUMBER: GALN-SA7C-722-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1047687

CATALOG NUMBER: GALN-SA7C-722-U-T2BC

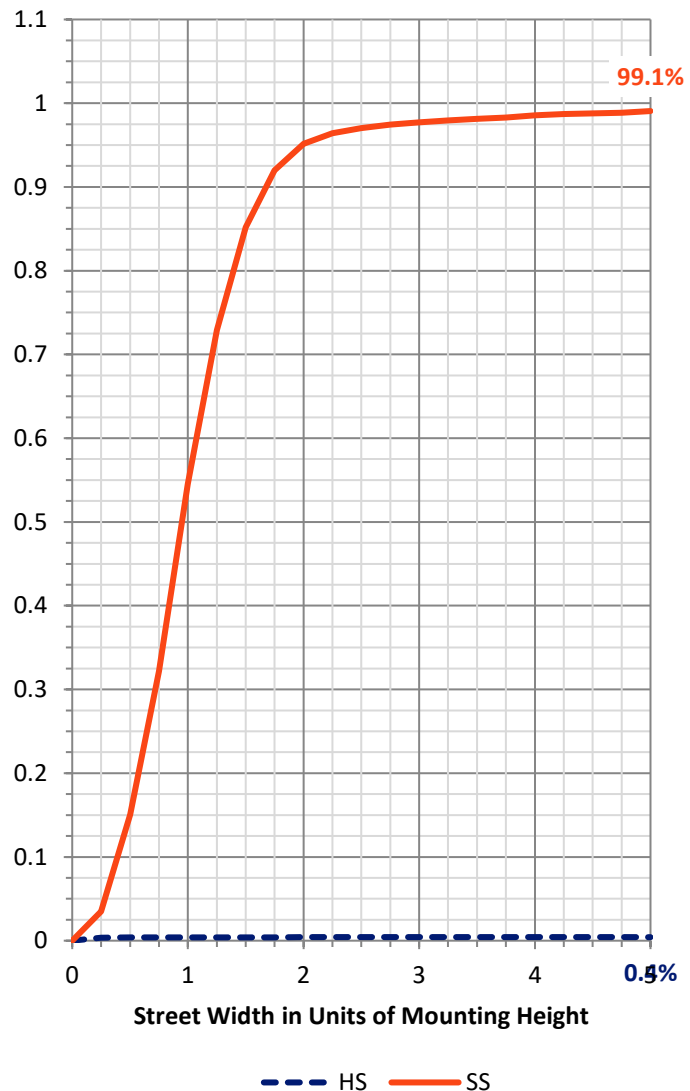
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	120.4	0.0	120.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	28092.3	0.0	28092.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	28212.7	0.0	28212.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	0.1
10°-20°	232.0	0.8
20°-30°	832.6	3.0
30°-40°	2216.7	7.9
40°-50°	5823.3	20.6
50°-60°	9021.3	32.0
60°-70°	7564.3	26.8
70°-80°	2226.0	7.9
80°-90°	274.6	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°	28212.7	100.0
0°-180°	28212.7	100.0



REPORT NUMBER: P1047687

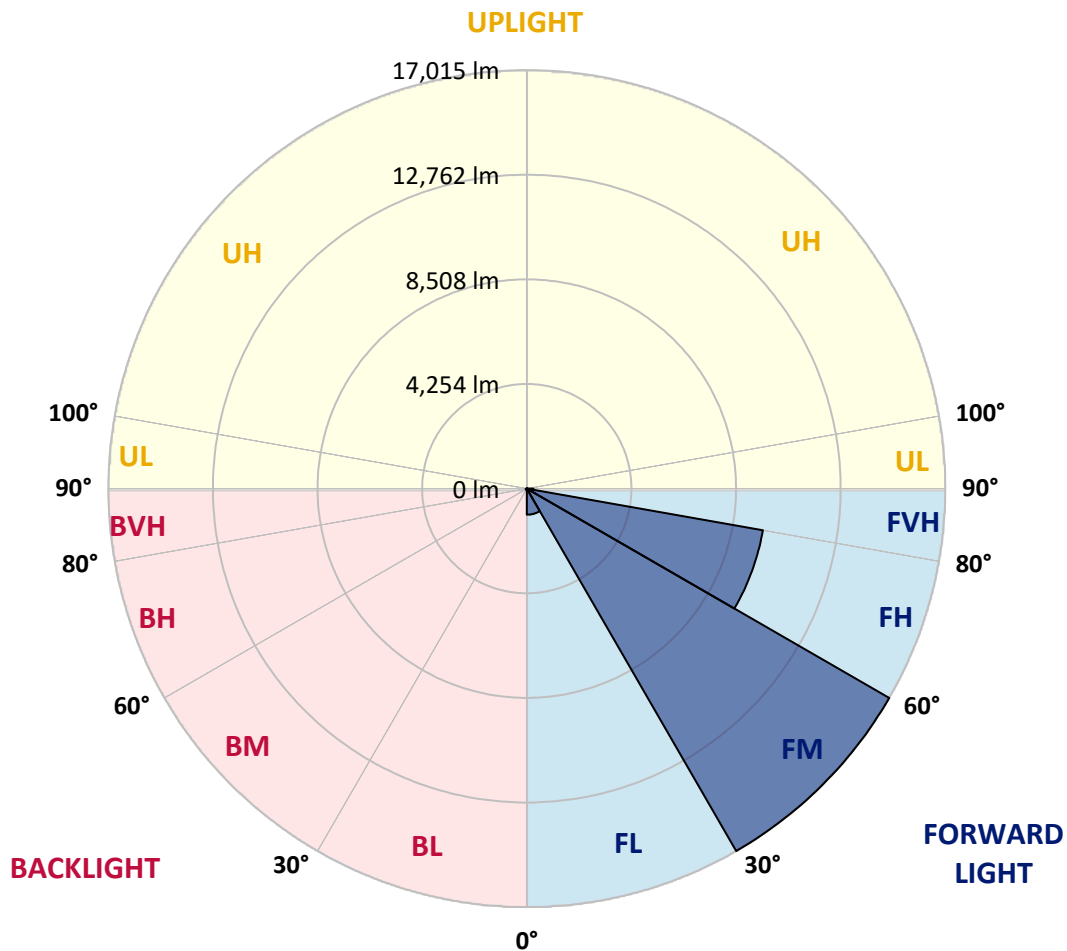
CATALOG NUMBER: GALN-SA7C-722-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1059.5	3.8			
FM	(30°-60°)	17015.5	60.3			
FH	(60°-80°)	9747.8	34.6			G4/12000
FVH	(80°-90°)	269.5	1.0			G3/500
BL	(0°-30°)	27.0	0.1	B0/110		
BM	(30°-60°)	45.8	0.2	B0/220		
BH	(60°-80°)	42.5	0.2	B0/110		G0/110
BVH	(80°-90°)	5.1	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-G4

Type II Short



REPORT NUMBER: P1047687

CATALOG NUMBER: GALN-SA7C-722-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7
2.5°	209.6	211.5	207.7	199.9	194.1	194.1	192.1	186.3	186.3	180.5	176.6
5°	293.1	289.2	281.4	265.9	252.3	238.7	225.1	211.5	209.6	192.1	180.5
7.5°	479.4	483.2	458.0	409.5	368.7	316.3	267.8	238.7	234.8	205.7	182.4
10°	1051.9	1022.8	964.5	776.3	638.5	481.3	357.1	277.5	273.6	221.2	186.3
12.5°	1917.4	1894.2	1787.4	1593.3	1238.2	861.7	522.1	343.5	331.9	234.8	188.3
15°	2763.6	2726.7	2668.5	2472.5	2057.2	1544.8	853.9	469.7	438.6	254.2	186.3
17.5°	3303.1	3308.9	3256.5	3173.1	2905.3	2286.2	1475.0	700.6	640.4	289.2	182.4
20°	3774.7	3761.1	3790.3	3745.6	3557.4	3107.1	2146.4	1110.1	1007.2	345.5	184.4
22.5°	4318.1	4351.1	4372.5	4362.8	4155.1	3770.8	2909.2	1661.3	1531.2	448.3	190.2
25°	5045.9	5042.0	5044.0	5018.7	4816.9	4389.9	3673.8	2346.3	2214.4	615.2	203.8
27.5°	5808.6	5831.9	5841.6	5750.4	5486.5	5067.3	4382.2	3095.5	2940.2	883.0	221.2
30°	6850.8	6831.4	6786.7	6600.4	6280.2	5760.1	5080.8	3881.5	3718.4	1257.6	248.4
32.5°	8255.9	8234.5	8009.4	7598.0	7118.6	6482.0	5783.4	4669.4	4471.4	1725.3	285.3
35°	10571.2	10604.2	10051.1	8985.6	8125.8	7349.6	6561.6	5453.5	5278.8	2301.7	335.7
37.5°	14116.9	13936.4	13185.3	11302.8	9451.4	8432.5	7304.9	6245.3	6093.9	3012.0	401.7
40°	17561.7	17383.1	17165.8	15382.2	11755.0	9626.0	8345.1	7174.9	6978.9	3813.5	498.8
42.5°	21183.1	21084.1	21074.4	19729.5	15958.6	11502.7	9596.9	8263.6	8096.7	4692.7	657.9
45°	23748.7	23649.8	23857.4	24092.3	21683.8	15523.9	11776.4	9678.4	9435.8	5760.1	912.1
47.5°	24094.2	24098.1	24653.1	25388.7	25937.9	21744.0	14679.7	11553.2	11258.2	7287.4	1339.1
50°	22945.3	22989.9	23872.9	25188.8	26667.6	26962.6	19799.4	14274.1	13837.4	9098.2	1944.6
52.5°	20758.1	20808.5	22039.0	24202.9	25996.1	28216.3	25827.3	17833.4	17330.7	11357.2	2798.5
55°	18788.2	18819.3	20230.2	22964.7	25186.8	27535.1	29406.0	22586.2	21926.4	14136.3	3640.8
57.5°	16837.8	16766.0	17684.0	20814.4	25049.0	26698.7	29933.9	28002.8	27275.1	17173.5	4296.8
60°	14229.4	14109.1	14846.6	16837.8	23236.4	27247.9	28946.0	30999.3	30834.4	21402.4	4803.3
61°	12729.3	12678.8	13420.2	15128.0	21711.0	27108.1	28709.3	31125.5	31142.9	23403.3	5030.4
62.5°	9090.4	9234.0	10367.4	12587.6	18184.7	26201.8	28740.3	30735.4	30908.1	26062.1	5618.4
65°	4040.6	4271.6	5152.6	6959.5	10575.1	21796.4	28464.7	29879.5	29794.1	26791.8	7644.5
67.5°	2396.8	2431.7	2870.3	3943.6	5601.0	11724.0	25118.9	28748.1	28633.6	23323.7	9511.5
70°	1888.3	1905.8	2045.5	2474.4	3250.7	4490.9	14336.2	24872.4	25371.2	18912.4	9311.6
72.5°	1791.3	1787.4	1806.8	1882.5	2047.5	2228.0	5550.5	16533.1	17548.1	13620.1	7807.6
75°	1768.0	1760.2	1740.8	1711.7	1482.7	1311.9	1719.5	7312.7	7900.7	9305.8	5878.5
77.5°	1715.6	1717.5	1721.4	1641.9	1271.2	927.7	832.6	2346.3	2885.9	5905.6	4178.4
80°	1160.6	1178.0	1207.1	1176.1	1143.1	671.5	588.0	834.5	846.2	3314.8	2759.7
82.5°	588.0	588.0	574.5	512.4	442.5	436.7	467.7	605.5	613.3	1676.8	1298.3
85°	355.2	374.6	382.3	347.4	318.3	293.1	357.1	481.3	498.8	650.1	302.8
87.5°	79.6	81.5	89.3	118.4	172.7	234.8	331.9	440.5	448.3	417.3	36.9
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: P1047687

CATALOG NUMBER: GALN-SA7C-722-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7
2.5°	174.7	170.8	168.8	163.0	157.2	151.4	147.5	145.6	147.5	149.4	149.4
5°	172.7	166.9	157.2	147.5	139.7	132.0	124.2	122.3	122.3	124.2	124.2
7.5°	172.7	163.0	149.4	137.8	126.1	114.5	108.7	104.8	106.7	106.7	106.7
10°	172.7	161.1	143.6	126.1	112.6	99.0	89.3	85.4	85.4	85.4	85.4
12.5°	170.8	159.1	137.8	116.4	97.0	81.5	69.9	64.0	66.0	66.0	66.0
15°	166.9	153.3	130.0	99.0	77.6	62.1	50.5	44.6	46.6	50.5	52.4
17.5°	161.1	147.5	116.4	83.5	62.1	46.6	34.9	31.1	33.0	38.8	38.8
20°	159.1	141.7	102.9	67.9	46.6	33.0	23.3	19.4	21.3	29.1	31.1
22.5°	159.1	137.8	93.2	56.3	34.9	21.3	13.6	7.8	7.8	13.6	13.6
25°	161.1	135.9	85.4	46.6	25.2	15.5	7.8	3.9	7.8	21.3	25.2
27.5°	165.0	133.9	81.5	38.8	19.4	13.6	5.8	13.6	23.3	23.3	23.3
30°	168.8	130.0	75.7	33.0	17.5	9.7	9.7	19.4	19.4	23.3	25.2
32.5°	174.7	128.1	71.8	29.1	13.6	7.8	13.6	11.6	11.6	13.6	15.5
35°	186.3	130.0	67.9	29.1	13.6	9.7	11.6	5.8	3.9	3.9	3.9
37.5°	201.8	132.0	62.1	25.2	11.6	11.6	5.8	0.0	0.0	0.0	0.0
40°	227.1	137.8	58.2	23.3	9.7	9.7	1.9	0.0	0.0	0.0	0.0
42.5°	269.8	149.4	56.3	21.3	9.7	7.8	0.0	0.0	0.0	0.0	0.0
45°	355.2	176.6	52.4	19.4	9.7	3.9	0.0	0.0	0.0	0.0	0.0
47.5°	510.4	240.7	50.5	15.5	5.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	745.2	326.0	48.5	13.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	951.0	343.5	33.0	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	974.2	236.8	25.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	776.3	153.3	21.3	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	588.0	116.4	19.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	564.8	104.8	19.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	623.0	91.2	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1013.1	75.7	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1760.2	66.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2224.1	62.1	11.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1938.8	56.3	11.6	3.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	1166.4	48.5	11.6	7.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	611.3	36.9	11.6	9.7	5.8	1.9	0.0	0.0	0.0	0.0	0.0
80°	296.9	33.0	13.6	9.7	7.8	3.9	0.0	0.0	0.0	0.0	0.0
82.5°	116.4	27.2	15.5	13.6	9.7	5.8	1.9	0.0	0.0	0.0	0.0
85°	52.4	23.3	17.5	15.5	13.6	7.8	1.9	0.0	0.0	0.0	0.0
87.5°	27.2	21.3	19.4	17.5	13.6	9.7	3.9	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

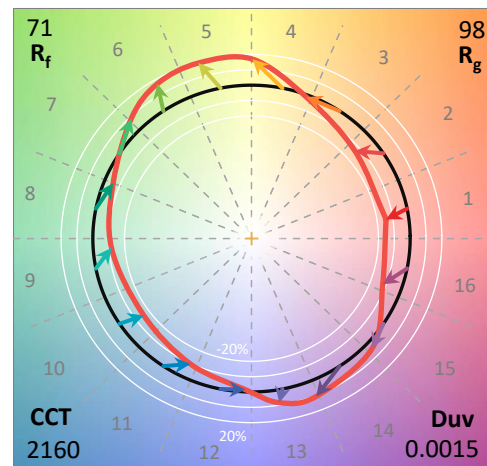
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

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

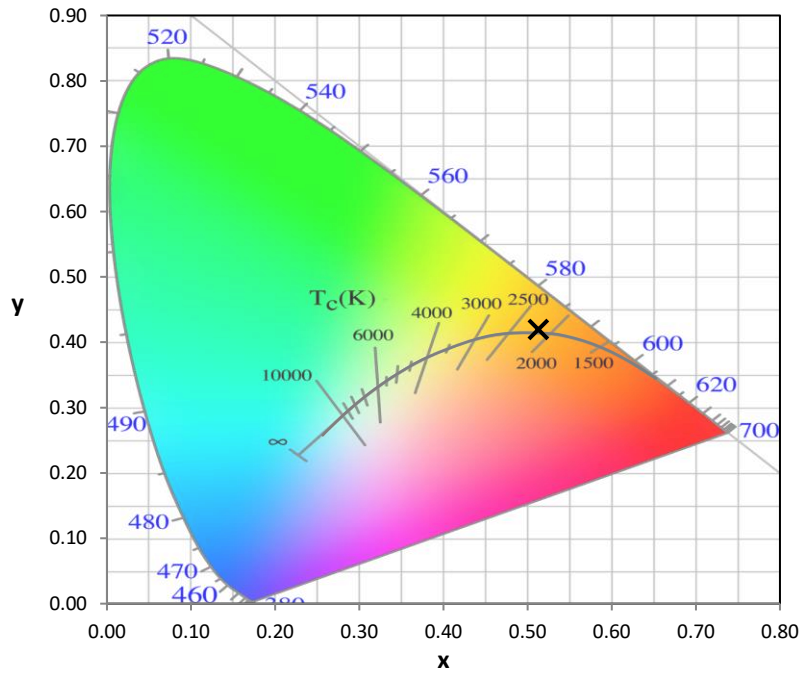
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

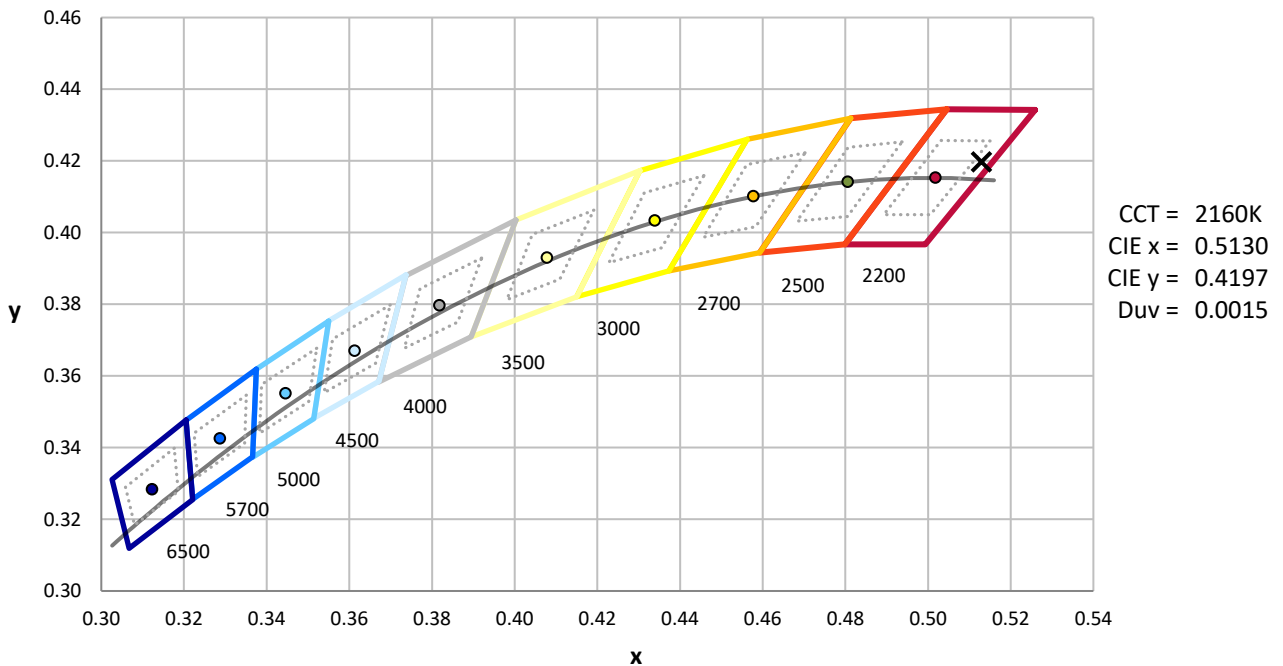
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



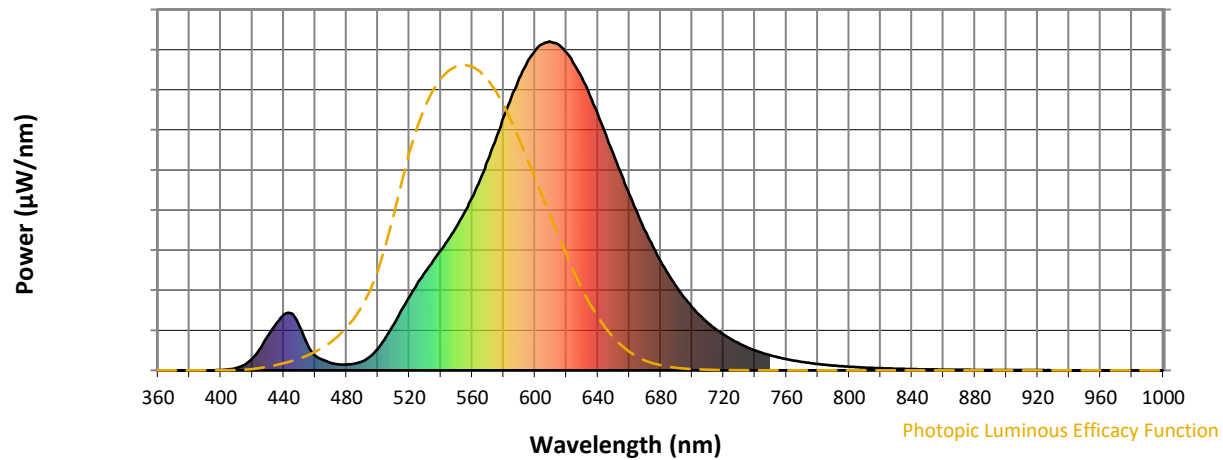
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

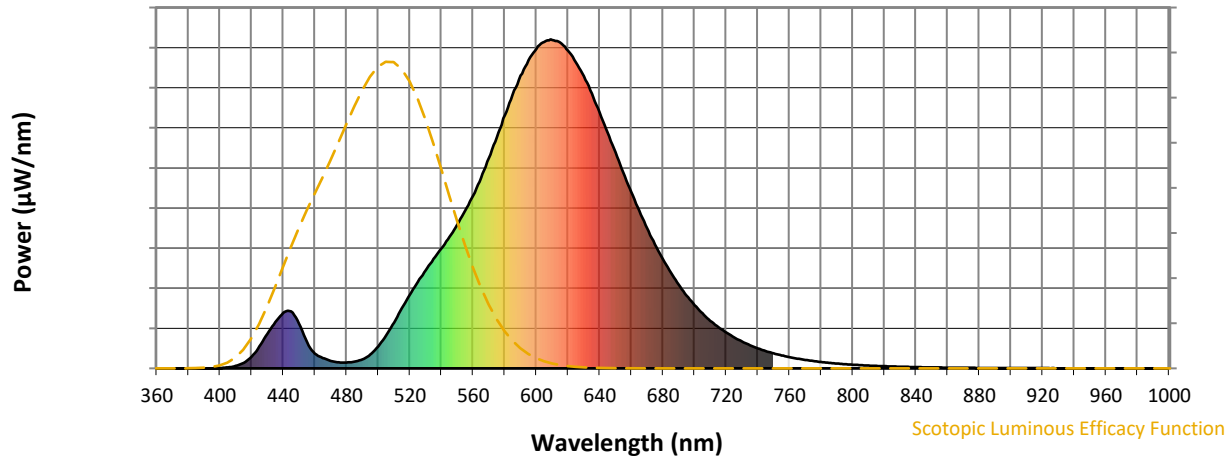


Photopic Lumens: NR

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

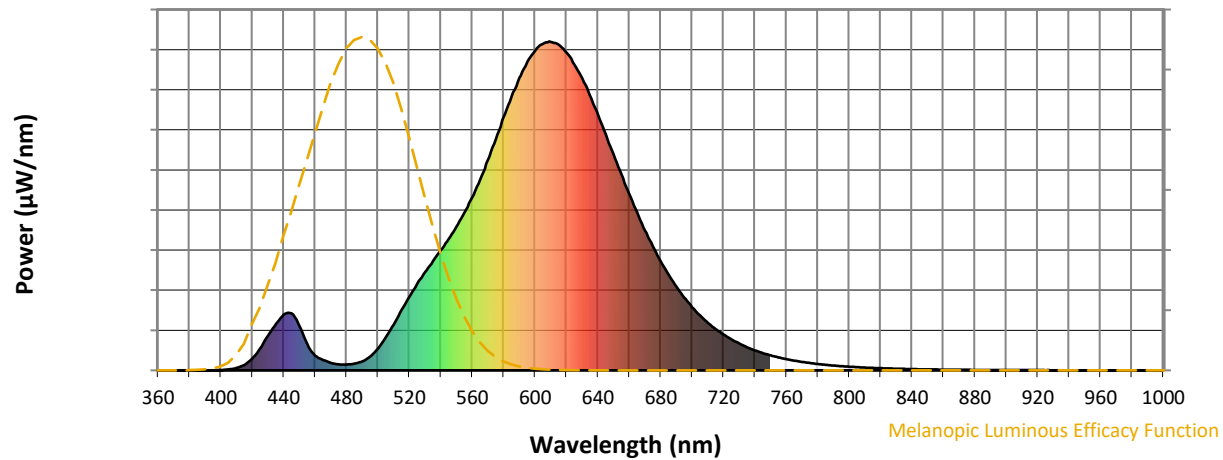
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 0.8

λ (nm)	Power 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	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

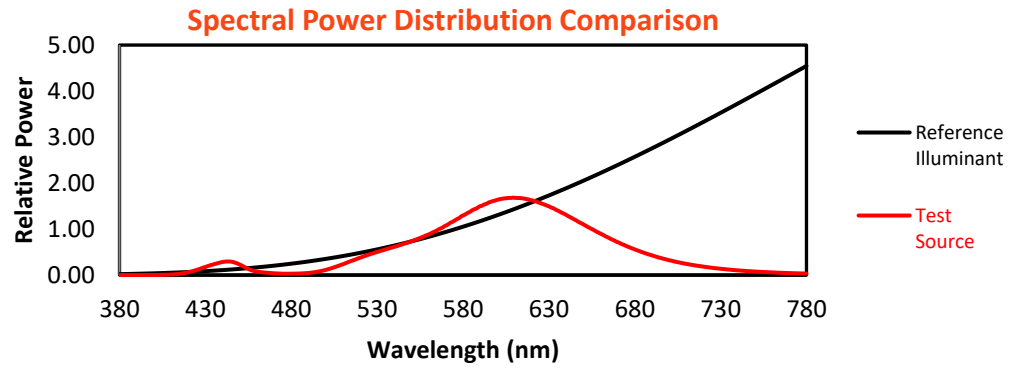
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	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

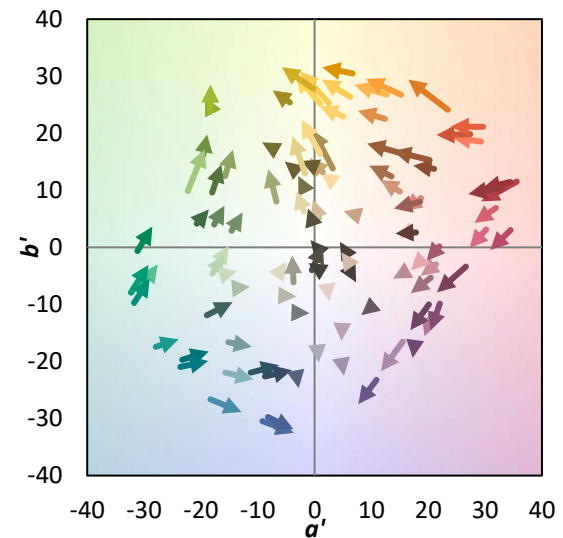
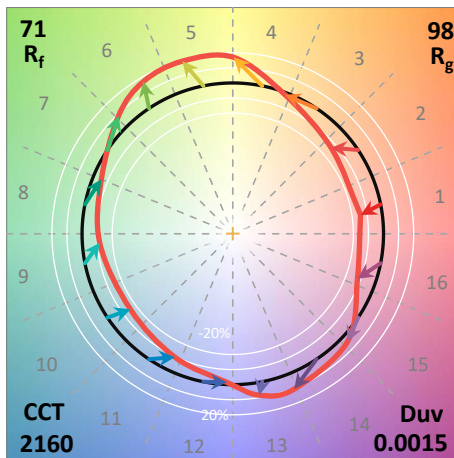
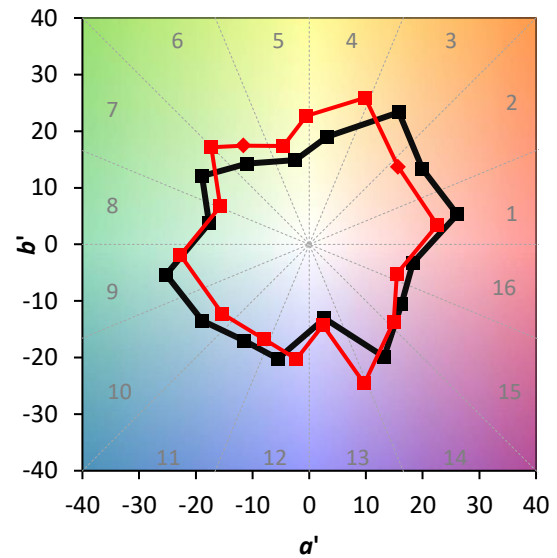
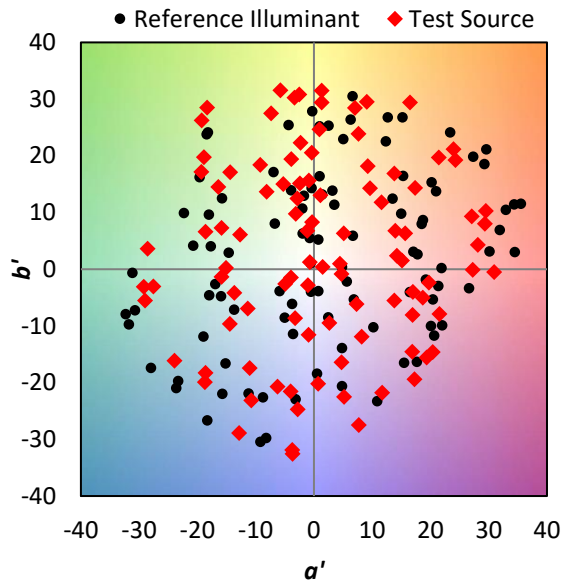
TM-30-18

Summary

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

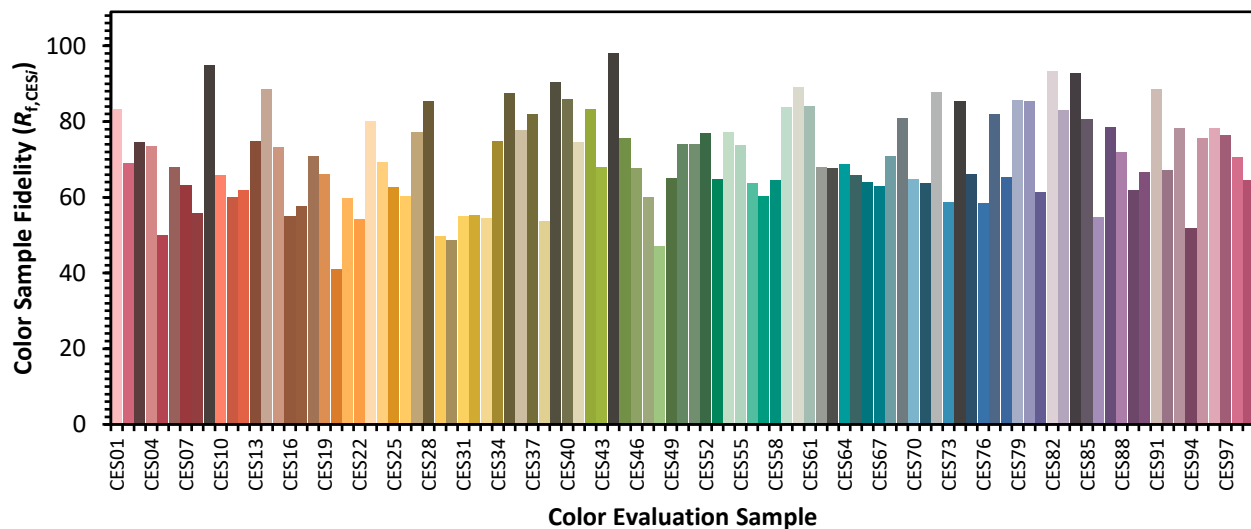


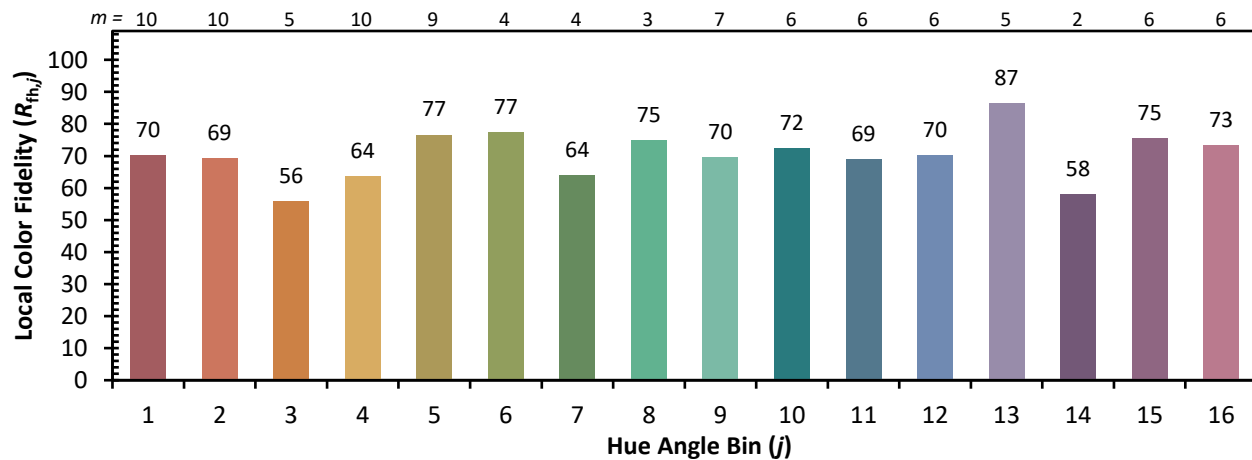
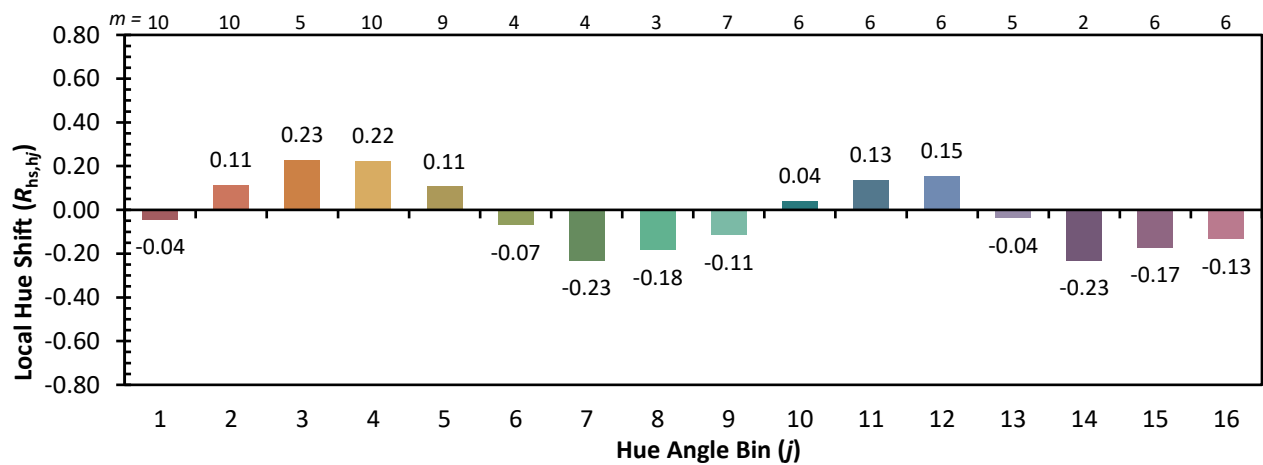
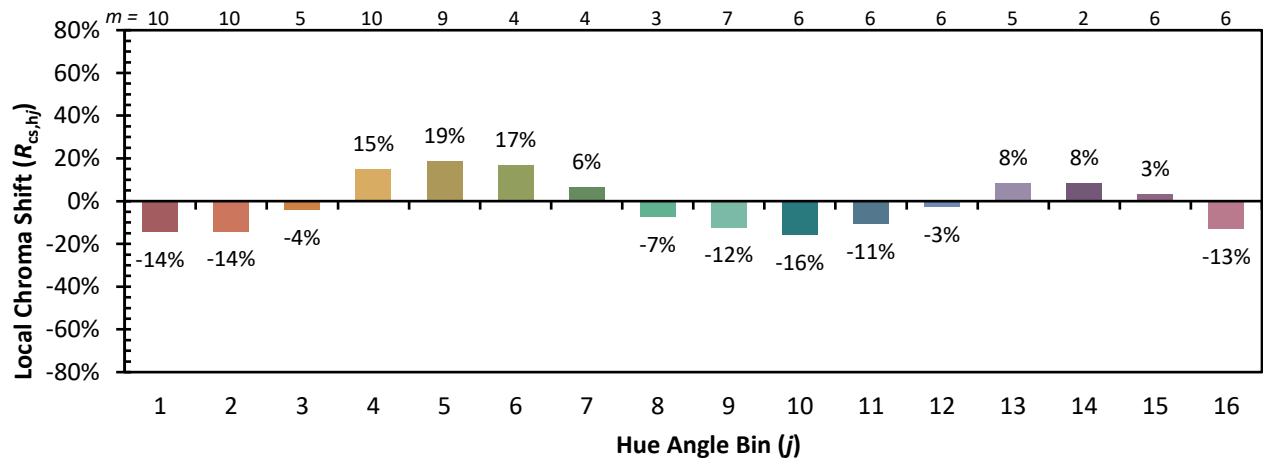
Color Vector Graphics



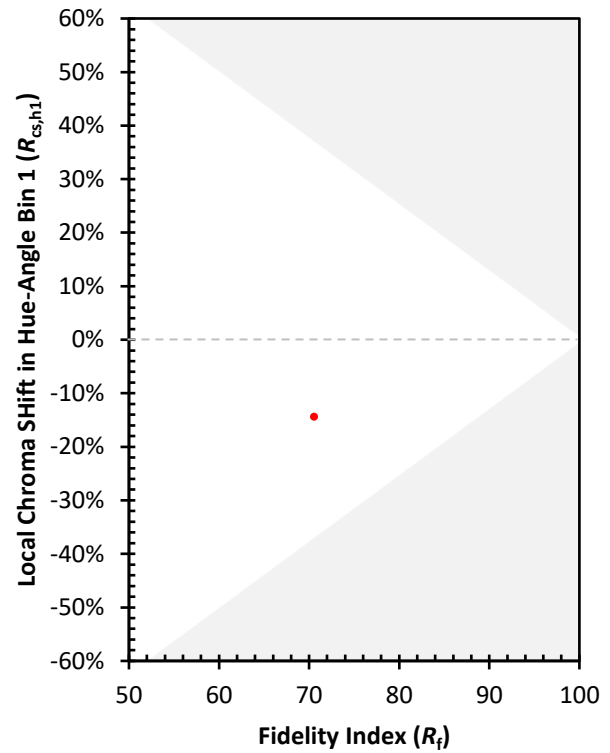
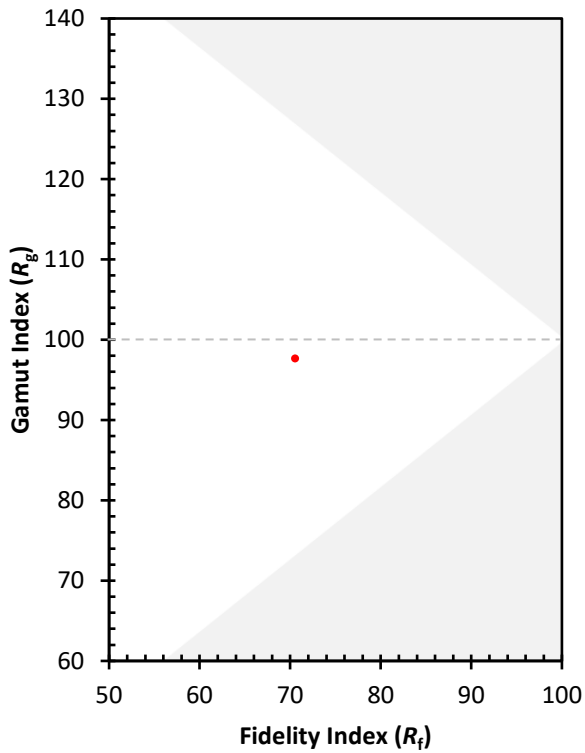
Individual Sample Fidelity Index ($R_{f,i}$)

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)