

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: P1048326

Luminaire Tested: **GALN-SA5B-727-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048326
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-727-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20515.2 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 178.8
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

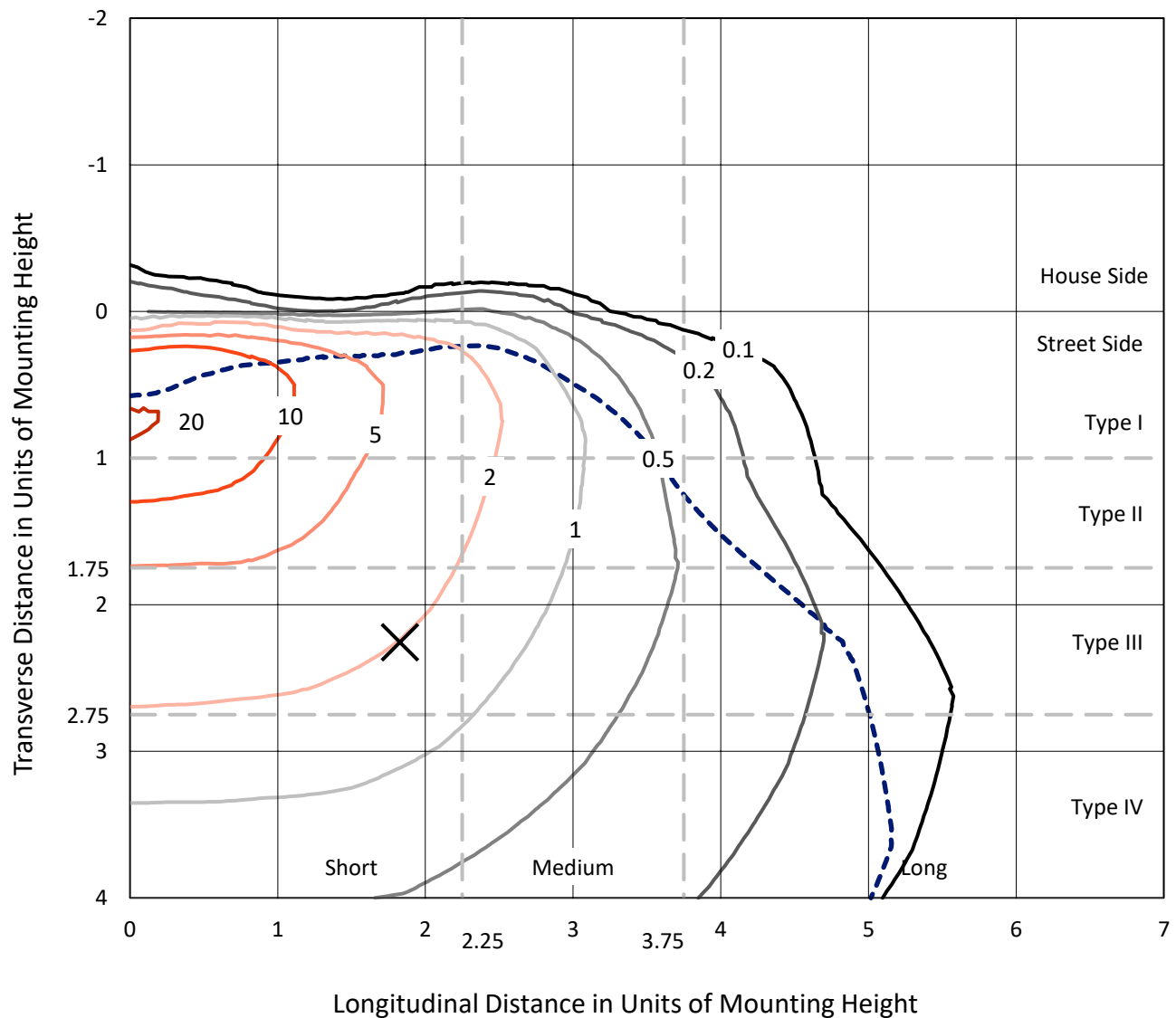


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

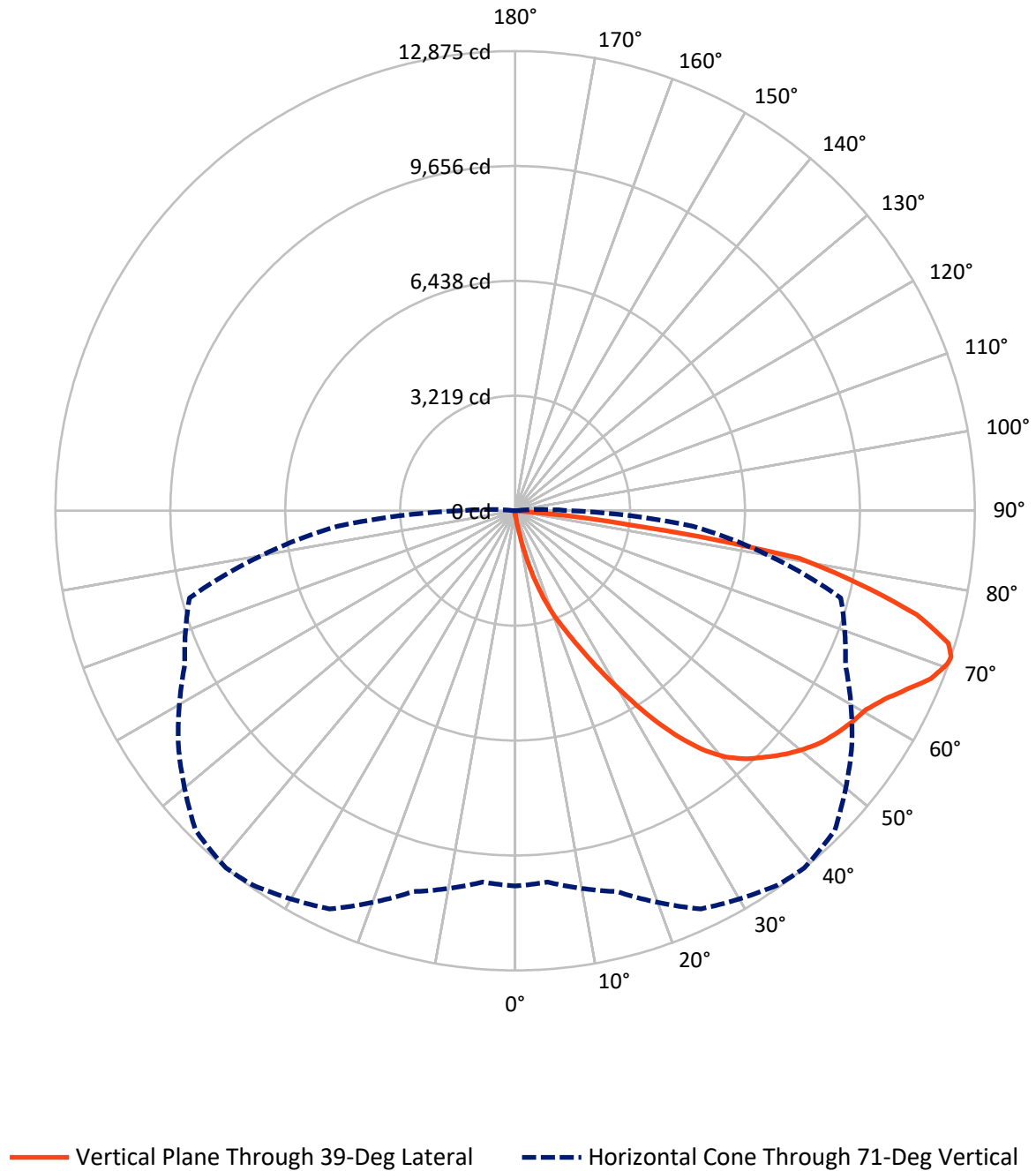


Based on 15 foot mounting height. Maximum calculated value = 21.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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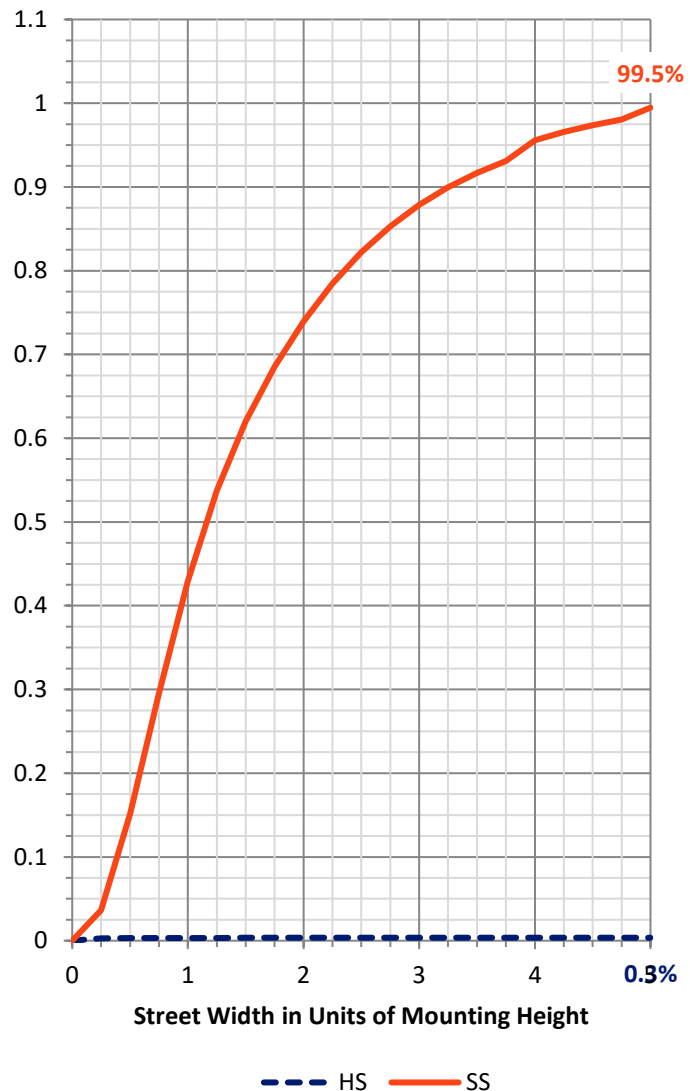
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	72.9	0.0	72.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	20442.3	0.0	20442.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	20515.2	0.0	20515.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.1
10°-20°	219.3	1.1
20°-30°	780.9	3.8
30°-40°	1882.0	9.2
40°-50°	3149.6	15.4
50°-60°	4045.3	19.7
60°-70°	5119.3	25.0
70°-80°	4564.1	22.2
80°-90°	737.8	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°	20515.2	100.0
0°-180°	20515.2	100.0



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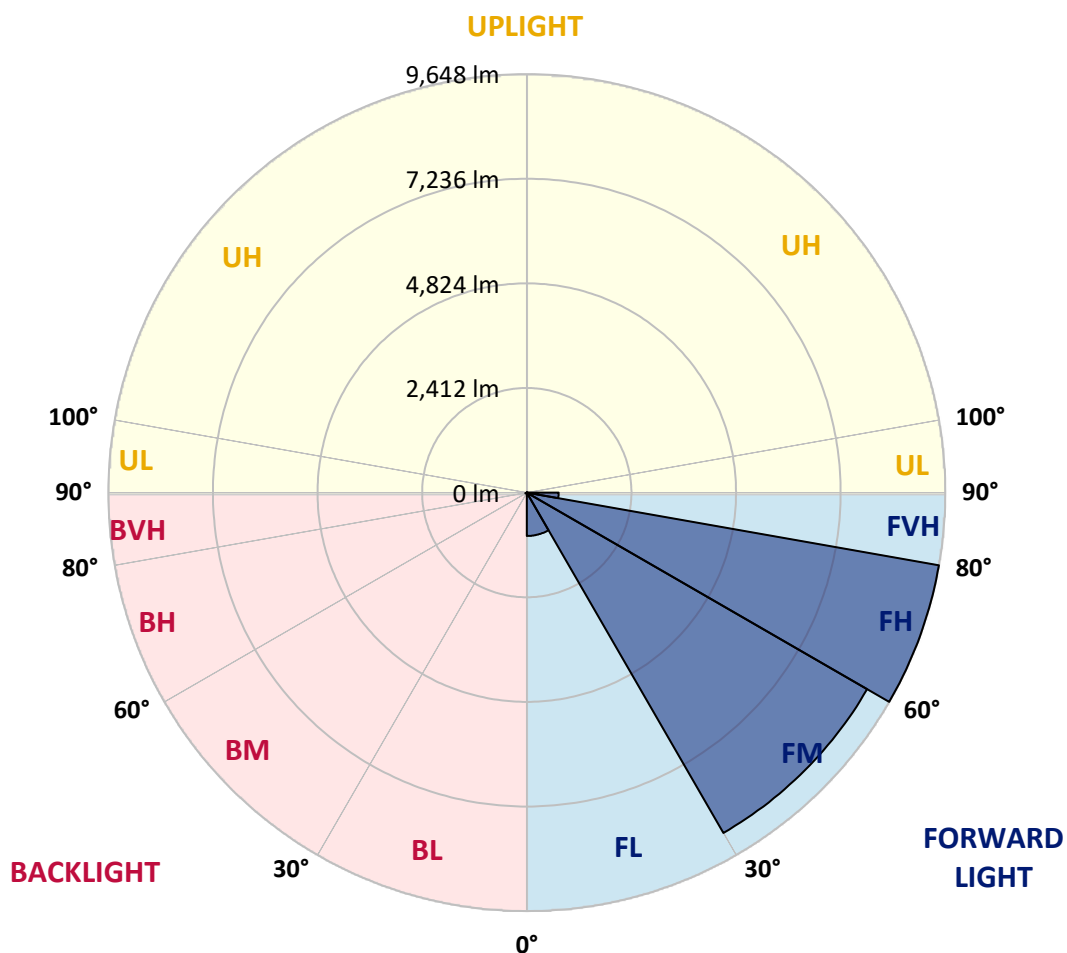
CATALOG NUMBER: GALN-SA5B-727-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	999.6	4.9			
FM	(30°-60°)	9059.9	44.2			
FH	(60°-80°)	9648.3	47.0			G4/12000
FVH	(80°-90°)	734.4	3.6			G4/750
BL	(0°-30°)	17.6	0.1	B0/110		
BM	(30°-60°)	16.9	0.1	B0/220		
BH	(60°-80°)	35.1	0.2	B0/110		G0/110
BVH	(80°-90°)	3.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5
2.5°	129.2	129.2	129.2	125.0	125.0	123.6	122.2	122.2	119.4	118.0	115.3
5°	195.8	191.7	181.9	176.4	165.3	158.3	151.4	141.7	131.9	125.0	116.7
7.5°	443.0	452.7	420.8	361.1	300.0	273.6	229.1	184.7	152.8	131.9	118.0
10°	1129.1	1123.5	1015.2	895.8	691.6	609.7	477.7	301.4	197.2	144.4	119.4
12.5°	1920.7	1915.1	1787.3	1624.9	1355.4	1184.6	934.6	562.5	283.3	163.9	119.4
15°	2585.9	2563.7	2523.4	2362.3	2047.0	1904.0	1573.5	994.4	458.3	197.2	122.2
17.5°	3026.1	3006.7	2969.2	2910.9	2710.9	2541.5	2276.2	1562.4	741.6	255.5	127.8
20°	3430.3	3416.4	3385.8	3374.7	3245.6	3155.3	2935.9	2215.1	1155.5	347.2	136.1
22.5°	3985.8	3956.6	3969.1	3902.4	3776.1	3667.7	3533.0	2898.4	1661.0	500.0	151.4
25°	4666.3	4652.4	4617.7	4570.4	4395.5	4301.0	4094.1	3542.8	2226.2	699.9	168.0
27.5°	5488.4	5473.1	5464.8	5356.5	5155.1	5052.4	4763.5	4151.0	2862.3	980.5	190.3
30°	6435.6	6442.5	6388.3	6249.5	6014.8	5870.3	5573.1	4788.5	3513.6	1309.6	213.9
32.5°	7416.0	7402.2	7318.8	7155.0	6945.2	6810.5	6432.8	5487.0	4196.9	1744.3	241.6
35°	8472.9	8446.5	8227.1	8039.6	7860.4	7691.0	7346.6	6298.1	4880.1	2231.8	279.1
37.5°	9539.5	9415.9	8975.6	8738.1	8614.5	8475.7	8154.9	7163.3	5559.3	2776.2	325.0
40°	10345.0	10249.1	9727.0	9289.5	9190.9	9072.8	8834.0	7910.4	6281.4	3360.8	380.5
42.5°	10790.8	10738.0	10268.6	9836.7	9604.7	9500.6	9296.4	8563.2	6995.2	4006.6	461.1
45°	10981.0	10899.1	10585.2	10383.8	10014.4	9842.2	9599.2	9056.2	7741.0	4739.9	573.6
47.5°	10922.7	10875.5	10650.5	10724.1	10456.1	10188.0	9831.1	9433.9	8378.5	5581.5	727.7
50°	10556.1	10515.8	10446.3	10844.9	10811.6	10494.9	10131.1	9732.5	8899.2	6449.5	966.6
52.5°	9858.9	9842.2	10020.0	10750.5	11013.0	10765.8	10420.0	9996.4	9385.3	7356.3	1308.2
55°	8960.4	9028.4	9536.7	10603.3	11115.7	10965.7	10675.5	10243.6	9775.6	8167.4	1812.3
57.5°	8590.9	8609.0	9243.7	10499.1	11161.6	11142.1	10924.1	10479.7	10133.9	8815.9	2581.7
60°	9022.8	8995.1	9329.8	10578.3	11253.2	11300.4	11144.9	10699.1	10444.9	9372.8	3606.6
62.5°	9803.3	9788.1	9895.0	10915.7	11521.2	11617.1	11451.8	10857.4	10719.9	9739.5	4776.0
65°	10500.5	10468.6	10667.2	11514.3	11992.0	12060.1	11915.7	11128.2	10840.7	10006.1	5874.5
67.5°	10801.9	10794.9	11114.3	12083.7	12486.4	12560.0	12433.7	11501.8	10813.0	10090.8	6359.2
70°	10664.4	10638.0	11149.1	12325.3	12765.6	12848.9	12726.7	11640.7	10511.6	9822.8	5641.2
71°	10513.0	10442.2	11044.9	12308.7	12804.5	12875.3	12661.4	11514.3	10208.9	9442.3	4989.9
72.5°	10043.6	10056.1	10758.8	12135.1	12711.4	12690.6	12292.0	11061.6	9843.6	8578.4	4008.0
75°	8888.1	8961.7	9832.5	11406.0	11880.9	11615.7	11006.0	10196.4	9110.3	6150.9	2783.1
77.5°	7263.3	7373.0	8329.9	10003.3	9868.6	9842.2	9817.2	8984.0	7779.9	3303.9	1935.9
80°	3467.8	3705.2	5024.6	7141.1	7757.7	8056.3	7868.8	7239.7	6016.2	1573.5	1156.8
82.5°	226.4	223.6	316.6	599.9	2529.0	3269.2	5194.0	5174.6	4194.1	766.6	472.2
85°	106.9	109.7	120.8	137.5	159.7	175.0	241.6	1416.5	2006.8	365.2	102.8
87.5°	62.5	63.9	75.0	95.8	125.0	138.9	165.3	212.5	261.1	201.4	22.2
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5
2.5°	113.9	112.5	108.3	104.2	100.0	97.2	95.8	97.2	97.2	98.6	98.6
5°	113.9	109.7	102.8	94.4	88.9	83.3	80.5	79.2	80.5	80.5	80.5
7.5°	112.5	105.5	95.8	86.1	79.2	72.2	69.4	68.0	68.0	69.4	69.4
10°	109.7	102.8	90.3	79.2	70.8	62.5	58.3	54.2	54.2	54.2	55.6
12.5°	108.3	98.6	83.3	72.2	61.1	51.4	43.1	38.9	40.3	40.3	40.3
15°	105.5	94.4	79.2	65.3	51.4	38.9	31.9	27.8	29.2	30.6	29.2
17.5°	105.5	93.0	73.6	56.9	40.3	29.2	23.6	20.8	20.8	22.2	22.2
20°	105.5	90.3	69.4	48.6	30.6	22.2	16.7	15.3	15.3	18.1	19.4
22.5°	108.3	90.3	63.9	40.3	25.0	16.7	12.5	11.1	12.5	15.3	16.7
25°	112.5	88.9	58.3	36.1	20.8	12.5	9.7	6.9	8.3	11.1	12.5
27.5°	116.7	87.5	52.8	31.9	16.7	9.7	6.9	5.6	4.2	5.6	5.6
30°	120.8	87.5	47.2	26.4	13.9	6.9	4.2	2.8	1.4	0.0	0.0
32.5°	123.6	84.7	43.1	20.8	11.1	5.6	2.8	1.4	0.0	0.0	0.0
35°	126.4	81.9	37.5	16.7	8.3	4.2	1.4	0.0	0.0	0.0	0.0
37.5°	129.2	77.8	31.9	13.9	6.9	2.8	0.0	0.0	0.0	0.0	0.0
40°	131.9	72.2	26.4	12.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	134.7	68.0	22.2	9.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	141.7	65.3	18.1	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	154.2	62.5	16.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	172.2	59.7	15.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	197.2	58.3	13.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	241.6	56.9	12.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	318.0	55.6	12.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	487.5	52.8	12.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	870.8	51.4	11.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1517.9	52.8	11.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2176.2	55.6	9.7	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	1862.3	48.6	9.7	5.6	2.8	1.4	0.0	0.0	0.0	0.0	0.0
71°	1517.9	43.1	9.7	5.6	2.8	1.4	1.4	0.0	0.0	0.0	0.0
72.5°	976.3	33.3	8.3	5.6	2.8	2.8	1.4	0.0	0.0	0.0	0.0
75°	412.5	27.8	8.3	5.6	4.2	2.8	2.8	1.4	0.0	0.0	0.0
77.5°	176.4	20.8	8.3	6.9	5.6	4.2	4.2	2.8	1.4	0.0	0.0
80°	66.7	16.7	9.7	8.3	6.9	6.9	5.6	2.8	1.4	0.0	0.0
82.5°	30.6	13.9	9.7	8.3	8.3	6.9	5.6	4.2	2.8	0.0	0.0
85°	19.4	12.5	9.7	8.3	8.3	6.9	6.9	4.2	2.8	0.0	0.0
87.5°	15.3	12.5	9.7	9.7	8.3	8.3	5.6	4.2	1.4	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

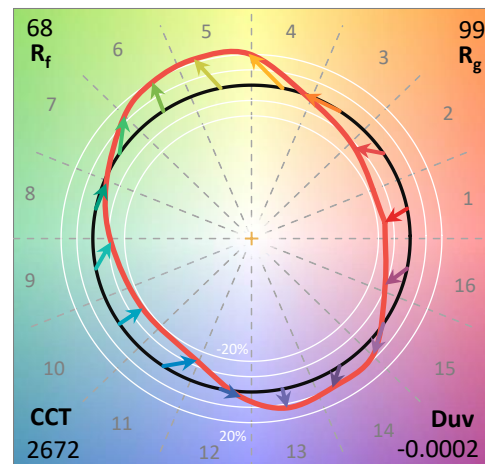
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

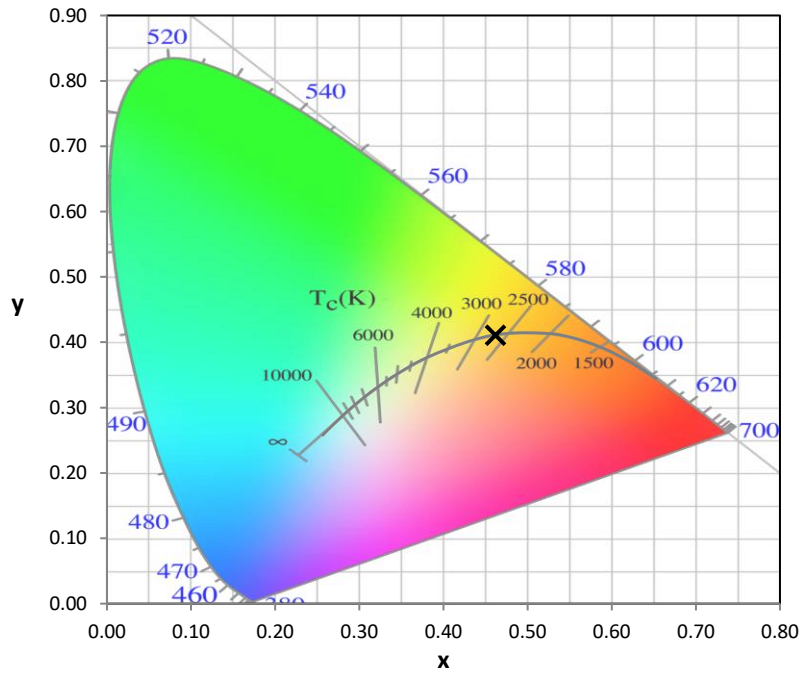
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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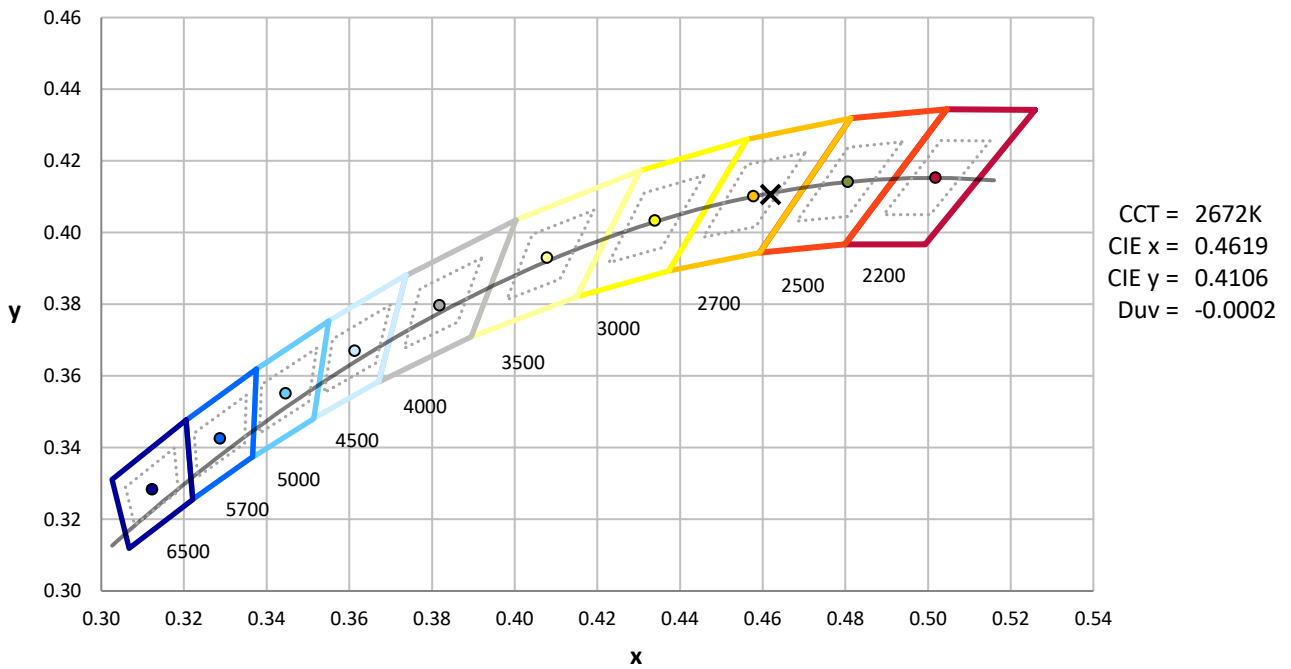
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

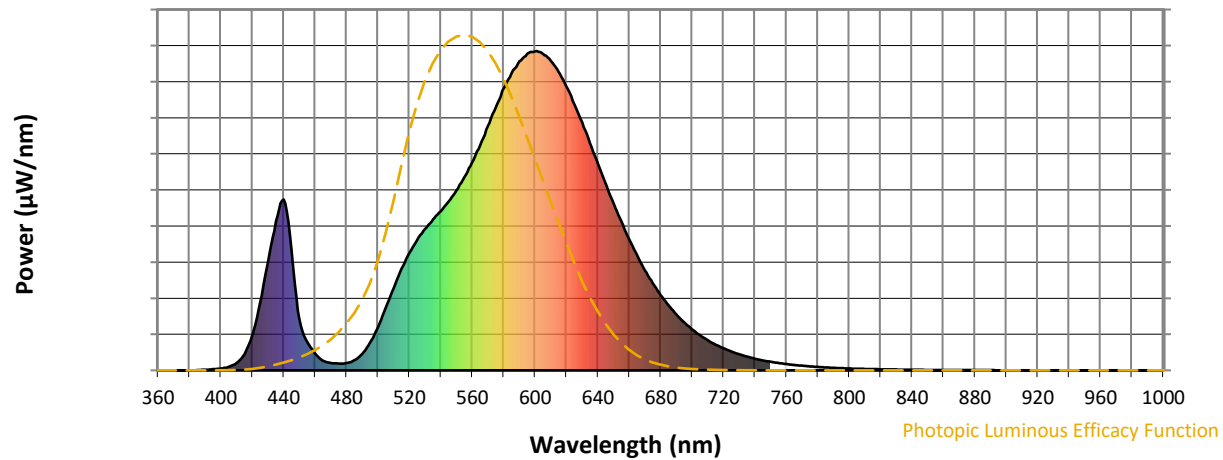


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

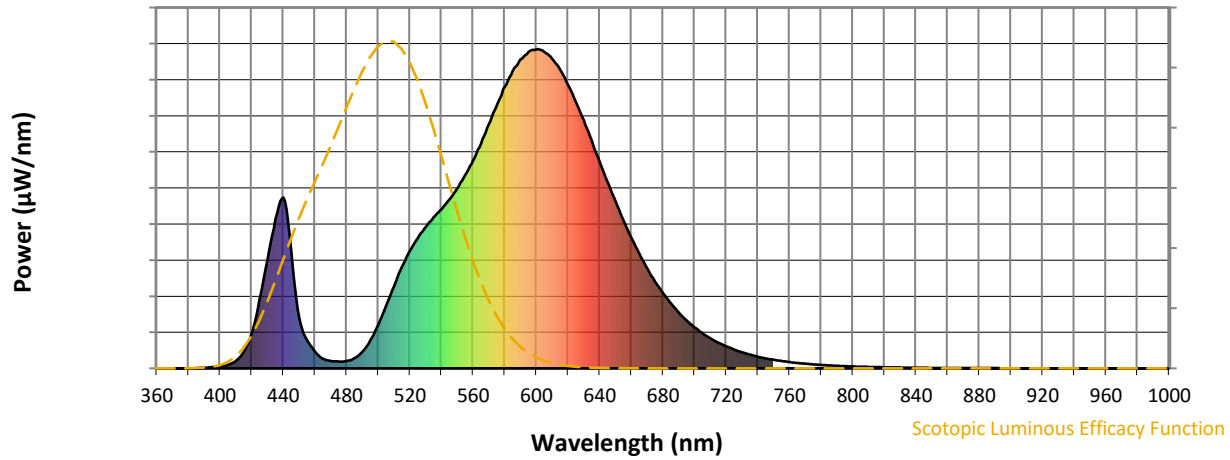


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



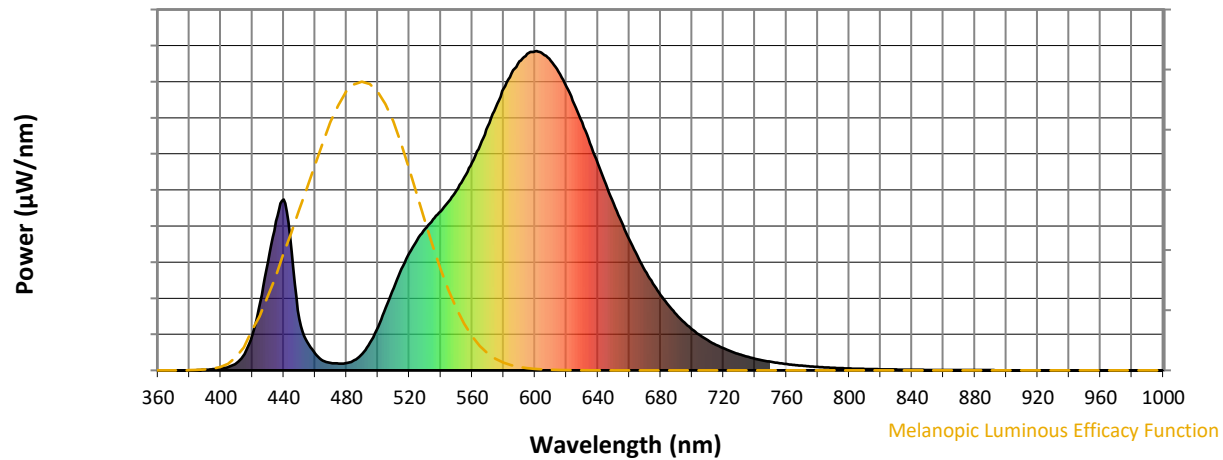
Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

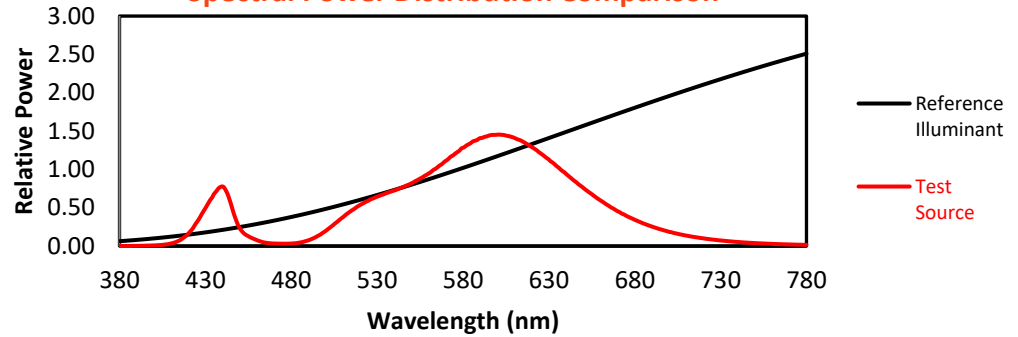
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TM-30-18

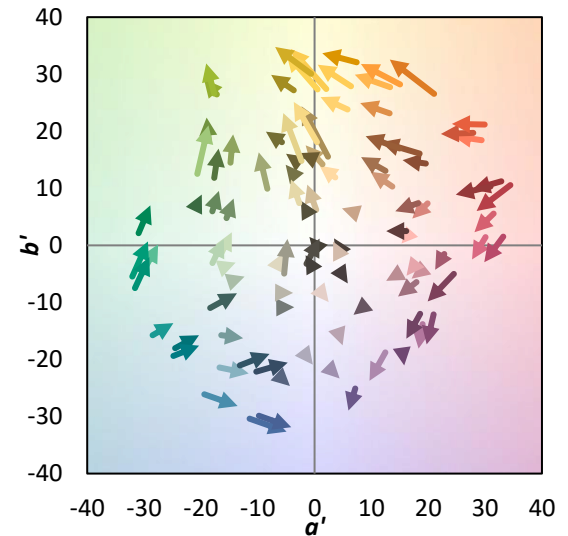
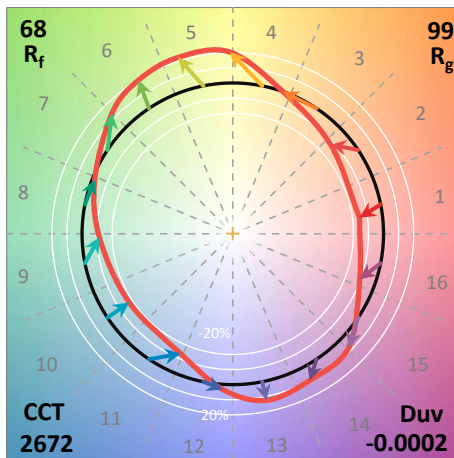
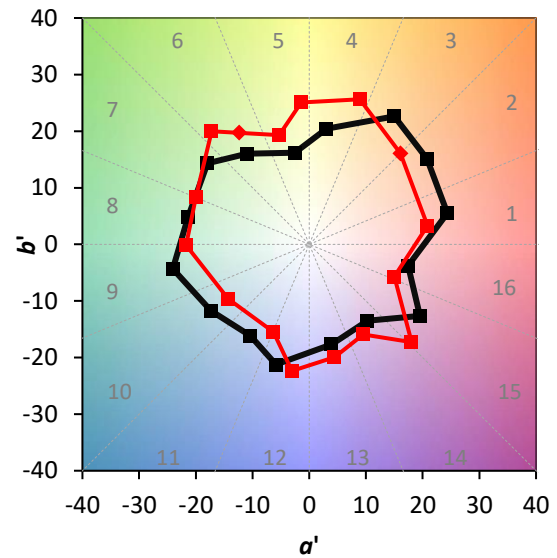
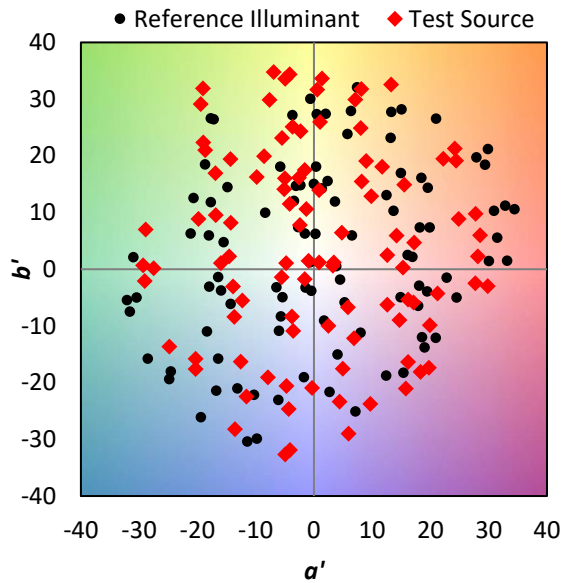
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE\ R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

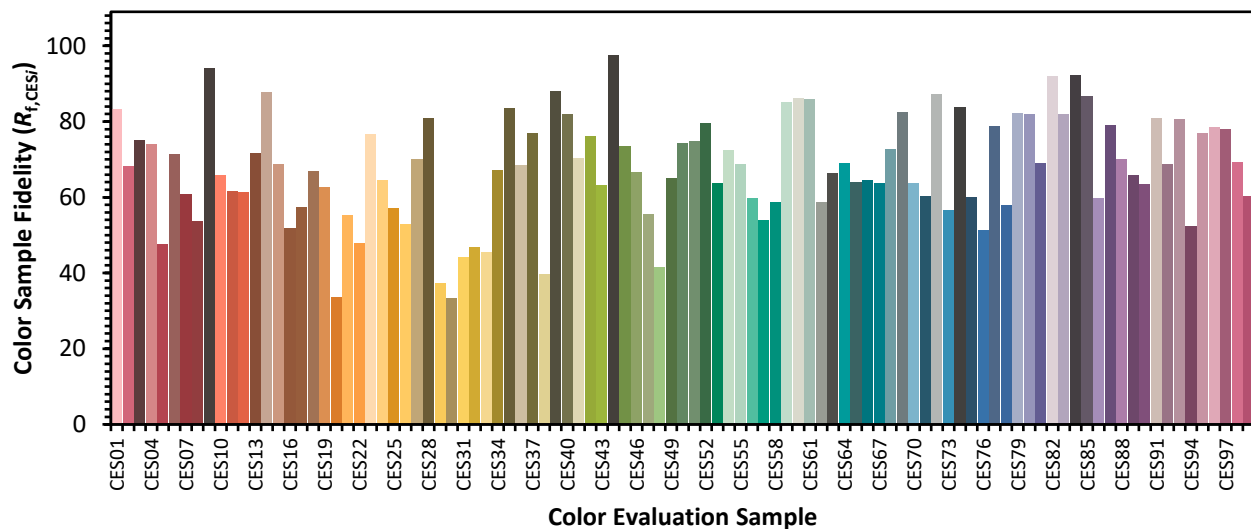


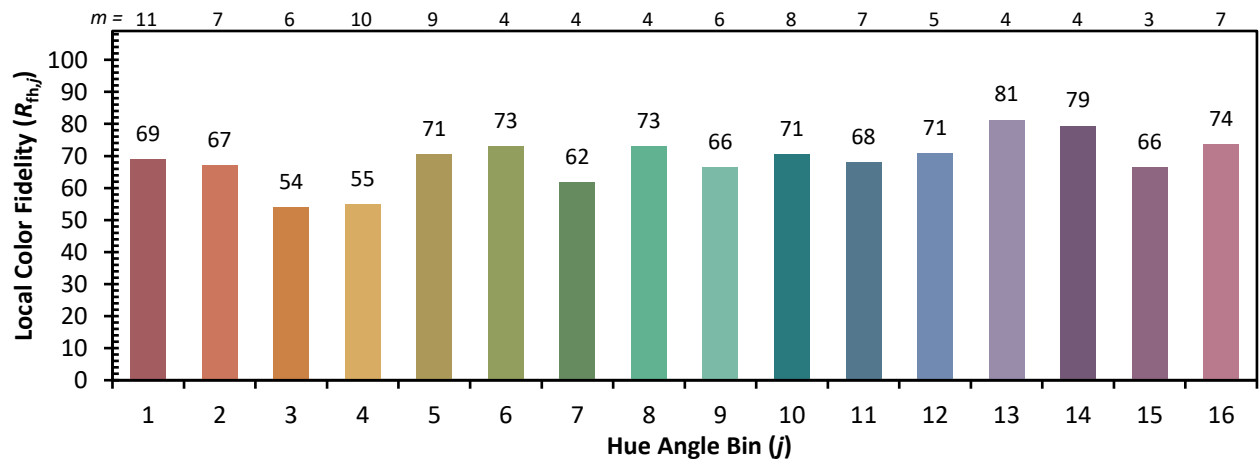
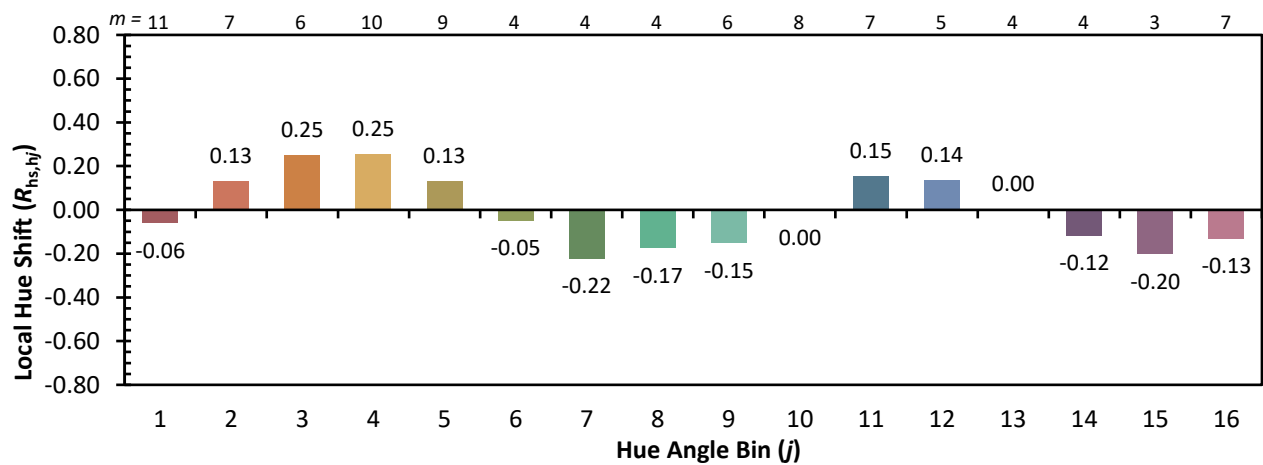
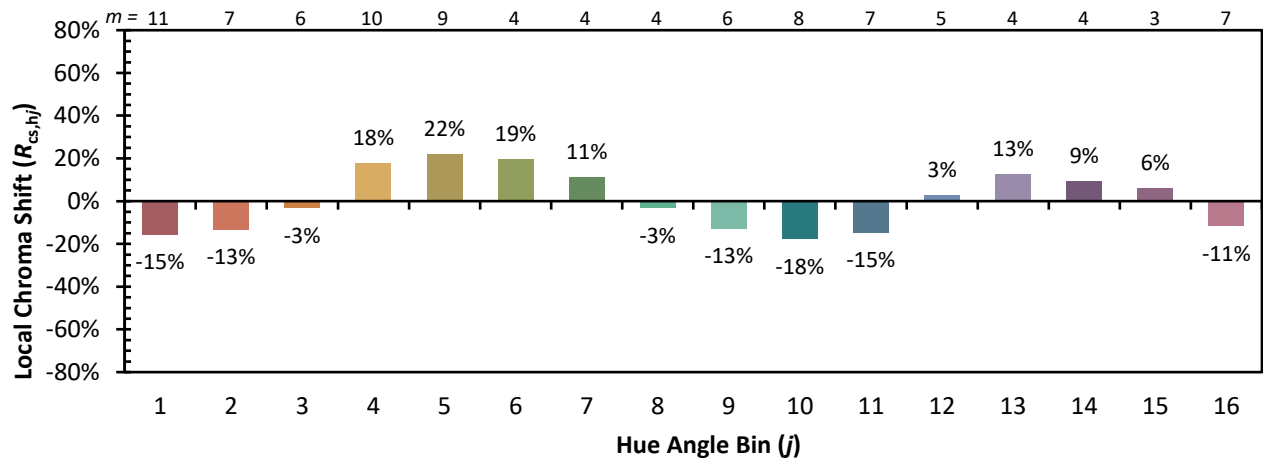
Color Vector Graphics



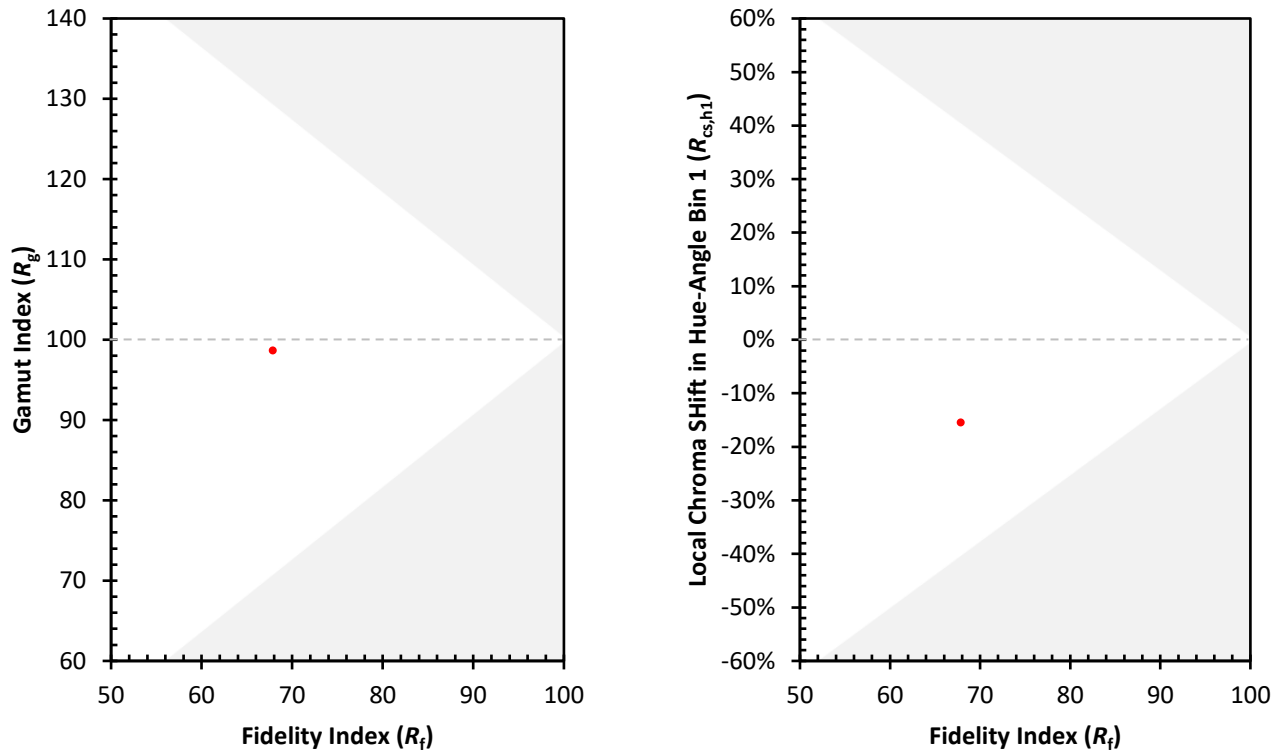
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)