

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: P1048309

Luminaire Tested: **GALN-SA1A-727-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048309
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-727-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3360.6 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 29
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

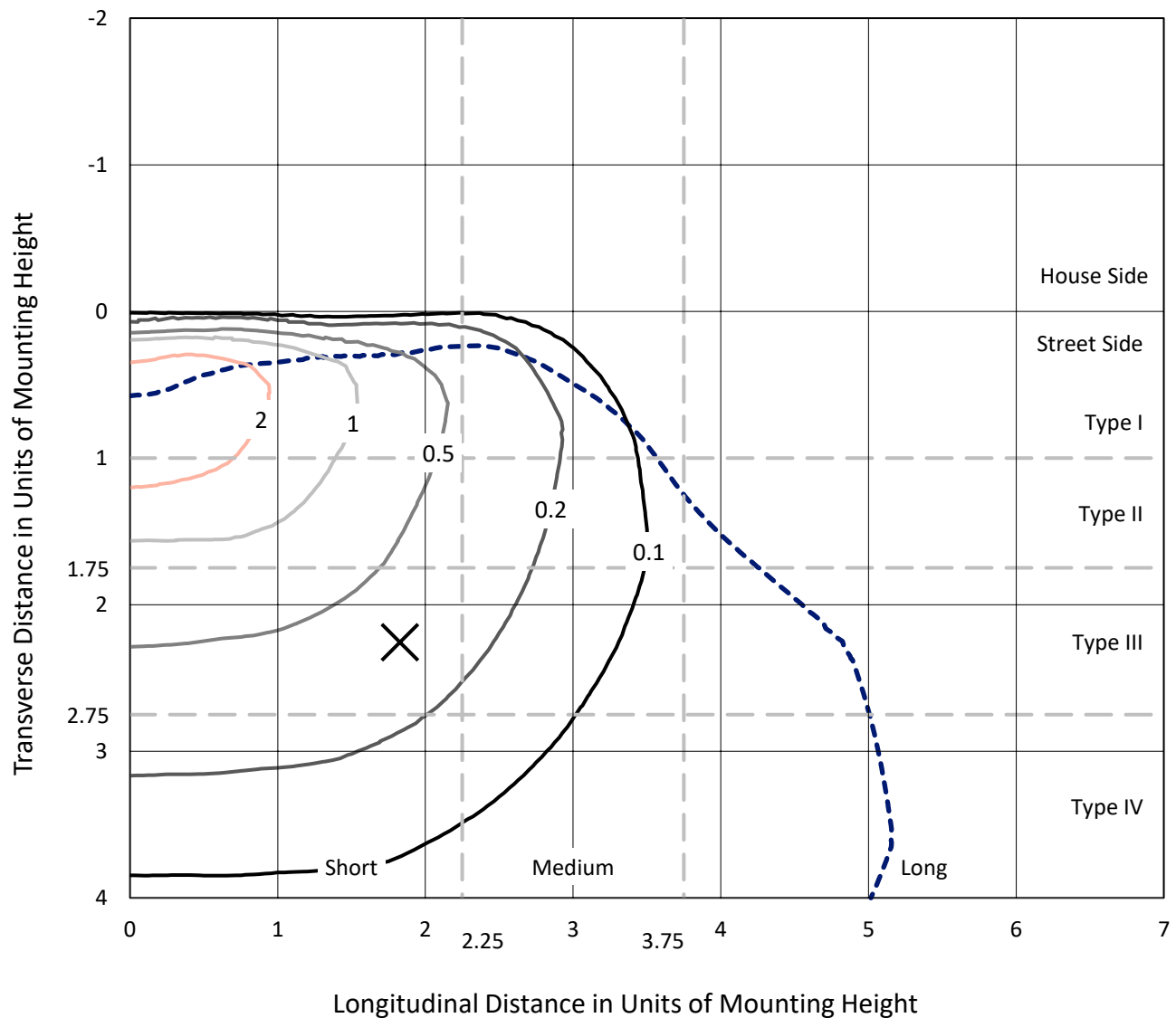


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

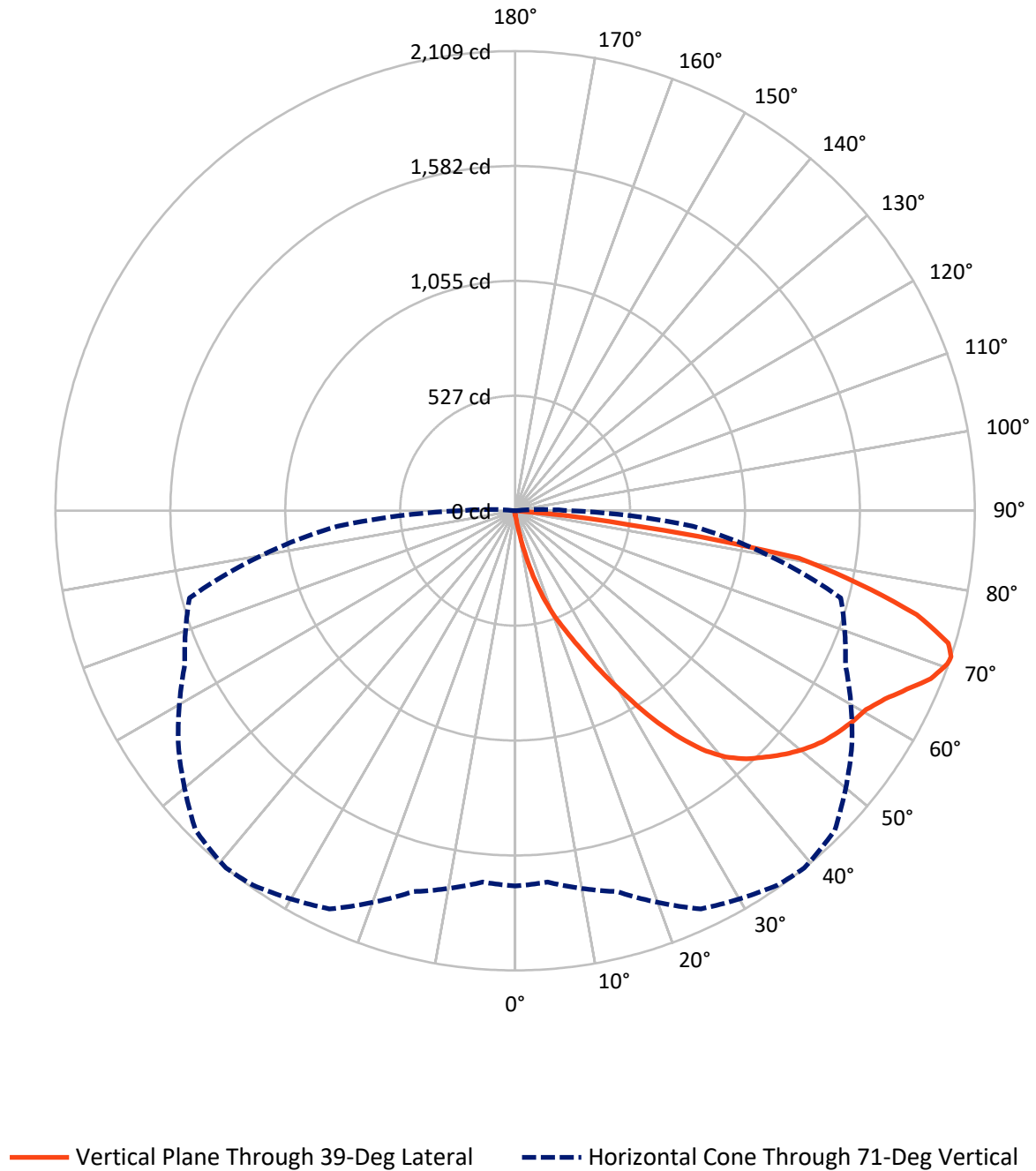


Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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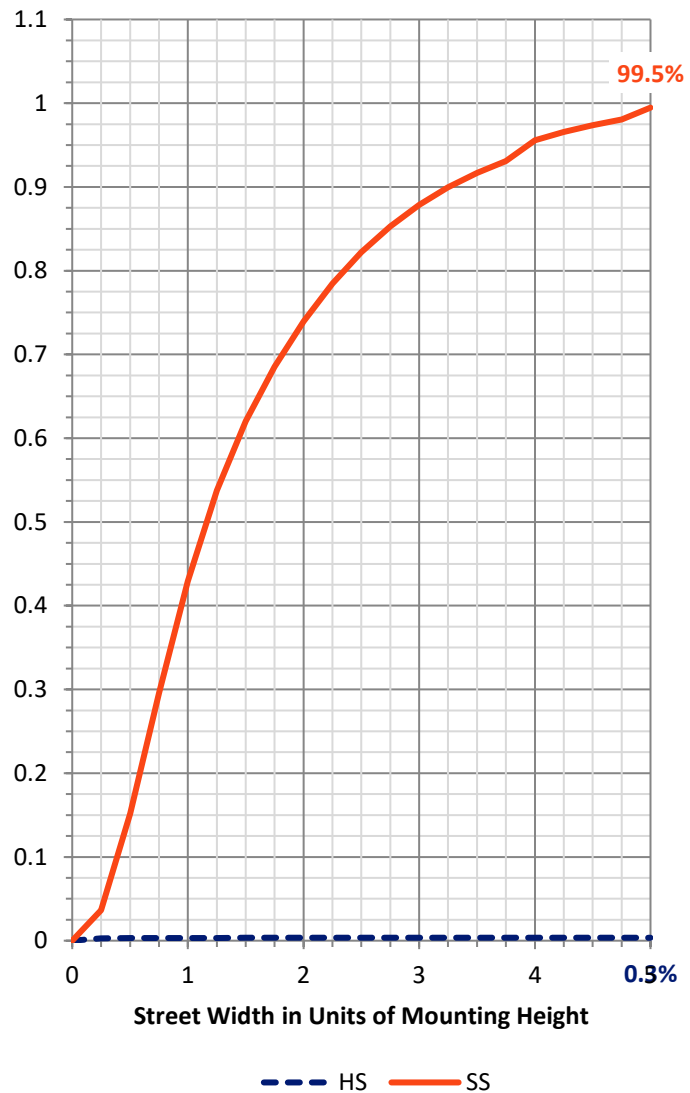
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11.9	0.0	11.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3348.7	0.0	3348.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	3360.6	0.0	3360.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	35.9	1.1
20°-30°	127.9	3.8
30°-40°	308.3	9.2
40°-50°	515.9	15.4
50°-60°	662.7	19.7
60°-70°	838.6	25.0
70°-80°	747.7	22.2
80°-90°	120.9	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°	3360.6	100.0
0°-180°	3360.6	100.0



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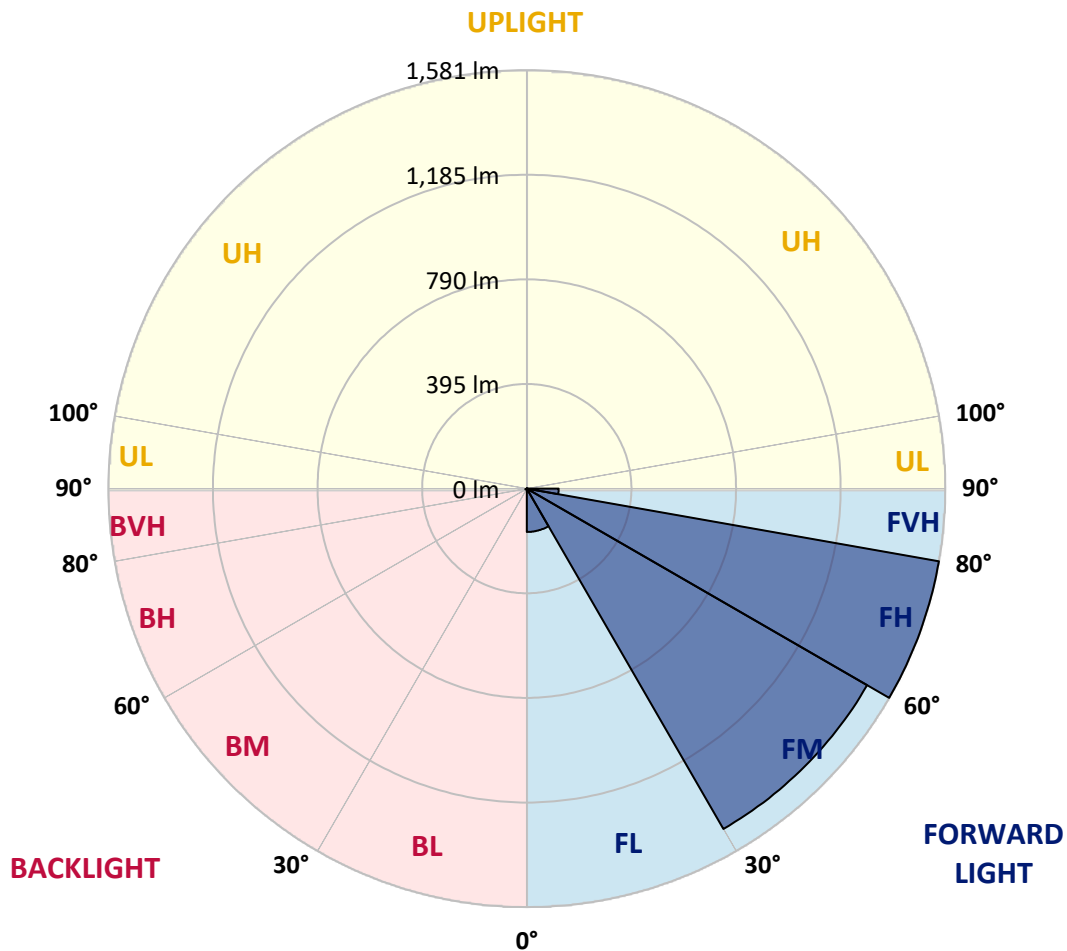
CATALOG NUMBER: GALN-SA1A-727-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.8	4.9			
FM	(30°-60°)	1484.1	44.2			
FH	(60°-80°)	1580.5	47.0			G1/1800
FVH	(80°-90°)	120.3	3.6			G2/225
BL	(0°-30°)	2.9	0.1	B0/110		
BM	(30°-60°)	2.8	0.1	B0/220		
BH	(60°-80°)	5.7	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
2.5°	21.2	21.2	21.2	20.5	20.5	20.2	20.0	20.0	19.6	19.3	18.9
5°	32.1	31.4	29.8	28.9	27.1	25.9	24.8	23.2	21.6	20.5	19.1
7.5°	72.6	74.2	68.9	59.1	49.1	44.8	37.5	30.3	25.0	21.6	19.3
10°	185.0	184.0	166.3	146.7	113.3	99.9	78.3	49.4	32.3	23.7	19.6
12.5°	314.6	313.7	292.8	266.2	222.0	194.1	153.1	92.1	46.4	26.8	19.6
15°	423.6	420.0	413.4	387.0	335.3	311.9	257.8	162.9	75.1	32.3	20.0
17.5°	495.7	492.5	486.4	476.8	444.1	416.3	372.9	255.9	121.5	41.9	20.9
20°	561.9	559.6	554.6	552.8	531.7	516.9	480.9	362.9	189.3	56.9	22.3
22.5°	652.9	648.1	650.2	639.3	618.6	600.8	578.7	474.8	272.1	81.9	24.8
25°	764.4	762.1	756.4	748.7	720.0	704.6	670.7	580.3	364.7	114.7	27.5
27.5°	899.1	896.6	895.2	877.5	844.5	827.6	780.3	680.0	468.9	160.6	31.2
30°	1054.2	1055.4	1046.5	1023.7	985.3	961.6	912.9	784.4	575.6	214.5	35.0
32.5°	1214.8	1212.6	1198.9	1172.1	1137.7	1115.6	1053.8	898.8	687.5	285.7	39.6
35°	1388.0	1383.6	1347.7	1317.0	1287.6	1259.9	1203.5	1031.7	799.4	365.6	45.7
37.5°	1562.7	1542.4	1470.3	1431.4	1411.2	1388.4	1335.9	1173.4	910.7	454.8	53.2
40°	1694.6	1678.9	1593.4	1521.7	1505.6	1486.2	1447.1	1295.8	1029.0	550.5	62.3
42.5°	1767.6	1759.0	1682.1	1611.4	1573.4	1556.3	1522.9	1402.7	1145.9	656.3	75.5
45°	1798.8	1785.4	1734.0	1701.0	1640.5	1612.3	1572.5	1483.5	1268.1	776.4	94.0
47.5°	1789.3	1781.5	1744.7	1756.7	1712.8	1668.9	1610.4	1545.4	1372.5	914.3	119.2
50°	1729.2	1722.6	1711.2	1776.5	1771.1	1719.2	1659.6	1594.3	1457.8	1056.5	158.3
52.5°	1615.0	1612.3	1641.4	1761.0	1804.0	1763.5	1706.9	1637.5	1537.4	1205.0	214.3
55°	1467.8	1479.0	1562.2	1736.9	1820.9	1796.3	1748.8	1678.0	1601.3	1337.9	296.9
57.5°	1407.3	1410.2	1514.2	1719.9	1828.4	1825.2	1789.5	1716.7	1660.0	1444.1	422.9
60°	1478.0	1473.5	1528.3	1732.8	1843.4	1851.1	1825.7	1752.6	1711.0	1535.4	590.8
62.5°	1605.9	1603.4	1620.9	1788.1	1887.3	1903.0	1875.9	1778.6	1756.0	1595.4	782.4
65°	1720.1	1714.9	1747.4	1886.2	1964.4	1975.6	1951.9	1822.9	1775.8	1639.1	962.3
67.5°	1769.5	1768.3	1820.6	1979.4	2045.4	2057.5	2036.8	1884.1	1771.3	1653.0	1041.7
70°	1746.9	1742.6	1826.3	2019.0	2091.1	2104.8	2084.8	1906.9	1721.9	1609.1	924.1
71°	1722.1	1710.5	1809.3	2016.3	2097.5	2109.1	2074.1	1886.2	1672.3	1546.7	817.4
72.5°	1645.2	1647.3	1762.4	1987.9	2082.3	2078.9	2013.6	1812.0	1612.5	1405.2	656.6
75°	1456.0	1468.0	1610.7	1868.4	1946.2	1902.8	1802.9	1670.3	1492.4	1007.6	455.9
77.5°	1189.8	1207.8	1364.5	1638.7	1616.6	1612.3	1608.2	1471.7	1274.4	541.2	317.1
80°	568.1	607.0	823.1	1169.8	1270.8	1319.7	1289.0	1185.9	985.5	257.8	189.5
82.5°	37.1	36.6	51.9	98.3	414.3	535.5	850.8	847.6	687.0	125.6	77.3
85°	17.5	18.0	19.8	22.5	26.2	28.7	39.6	232.0	328.7	59.8	16.8
87.5°	10.2	10.5	12.3	15.7	20.5	22.7	27.1	34.8	42.8	33.0	3.6
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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CATALOG NUMBER: GALN-SA1A-727-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
2.5°	18.7	18.4	17.7	17.1	16.4	15.9	15.7	15.9	15.9	16.2	16.2
5°	18.7	18.0	16.8	15.5	14.6	13.6	13.2	13.0	13.2	13.2	13.2
7.5°	18.4	17.3	15.7	14.1	13.0	11.8	11.4	11.1	11.1	11.4	11.4
10°	18.0	16.8	14.8	13.0	11.6	10.2	9.6	8.9	8.9	8.9	9.1
12.5°	17.7	16.2	13.6	11.8	10.0	8.4	7.1	6.4	6.6	6.6	6.6
15°	17.3	15.5	13.0	10.7	8.4	6.4	5.2	4.5	4.8	5.0	4.8
17.5°	17.3	15.2	12.1	9.3	6.6	4.8	3.9	3.4	3.4	3.6	3.6
20°	17.3	14.8	11.4	8.0	5.0	3.6	2.7	2.5	2.5	3.0	3.2
22.5°	17.7	14.8	10.5	6.6	4.1	2.7	2.0	1.8	2.0	2.5	2.7
25°	18.4	14.6	9.6	5.9	3.4	2.0	1.6	1.1	1.4	1.8	2.0
27.5°	19.1	14.3	8.6	5.2	2.7	1.6	1.1	0.9	0.7	0.9	0.9
30°	19.8	14.3	7.7	4.3	2.3	1.1	0.7	0.5	0.2	0.0	0.0
32.5°	20.2	13.9	7.1	3.4	1.8	0.9	0.5	0.2	0.0	0.0	0.0
35°	20.7	13.4	6.1	2.7	1.4	0.7	0.2	0.0	0.0	0.0	0.0
37.5°	21.2	12.7	5.2	2.3	1.1	0.5	0.0	0.0	0.0	0.0	0.0
40°	21.6	11.8	4.3	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	22.1	11.1	3.6	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	23.2	10.7	3.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	25.3	10.2	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	28.2	9.8	2.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	32.3	9.6	2.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	39.6	9.3	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	52.1	9.1	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	79.9	8.6	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	142.6	8.4	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	248.7	8.6	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	356.5	9.1	1.6	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	305.1	8.0	1.6	0.9	0.5	0.2	0.0	0.0	0.0	0.0	0.0
71°	248.7	7.1	1.6	0.9	0.5	0.2	0.2	0.0	0.0	0.0	0.0
72.5°	159.9	5.5	1.4	0.9	0.5	0.5	0.2	0.0	0.0	0.0	0.0
75°	67.6	4.5	1.4	0.9	0.7	0.5	0.5	0.2	0.0	0.0	0.0
77.5°	28.9	3.4	1.4	1.1	0.9	0.7	0.7	0.5	0.2	0.0	0.0
80°	10.9	2.7	1.6	1.4	1.1	1.1	0.9	0.5	0.2	0.0	0.0
82.5°	5.0	2.3	1.6	1.4	1.4	1.1	0.9	0.7	0.5	0.0	0.0
85°	3.2	2.0	1.6	1.4	1.4	1.1	1.1	0.7	0.5	0.0	0.0
87.5°	2.5	2.0	1.6	1.6	1.4	1.4	0.9	0.7	0.2	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

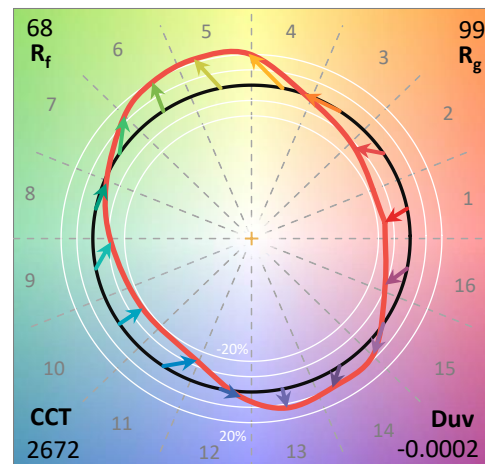
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

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

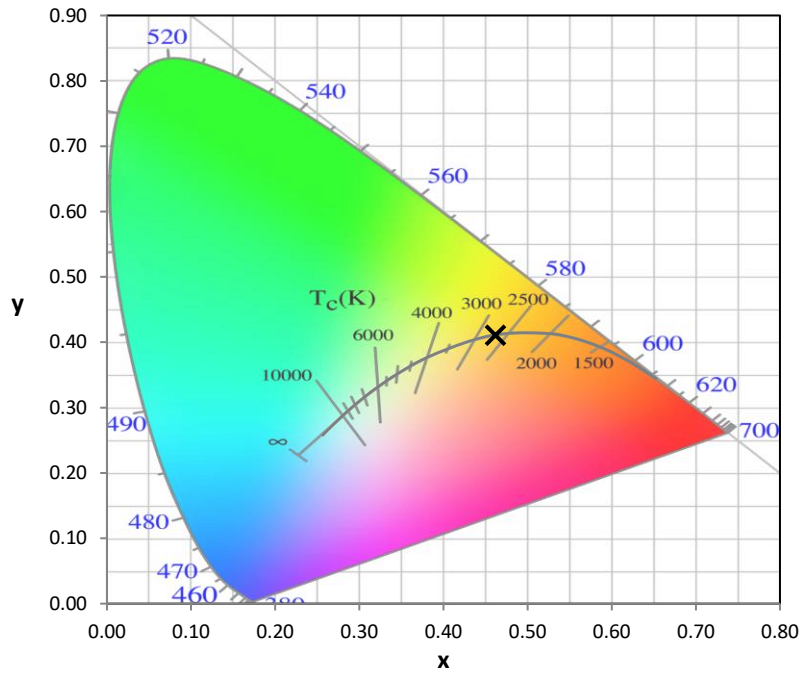
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

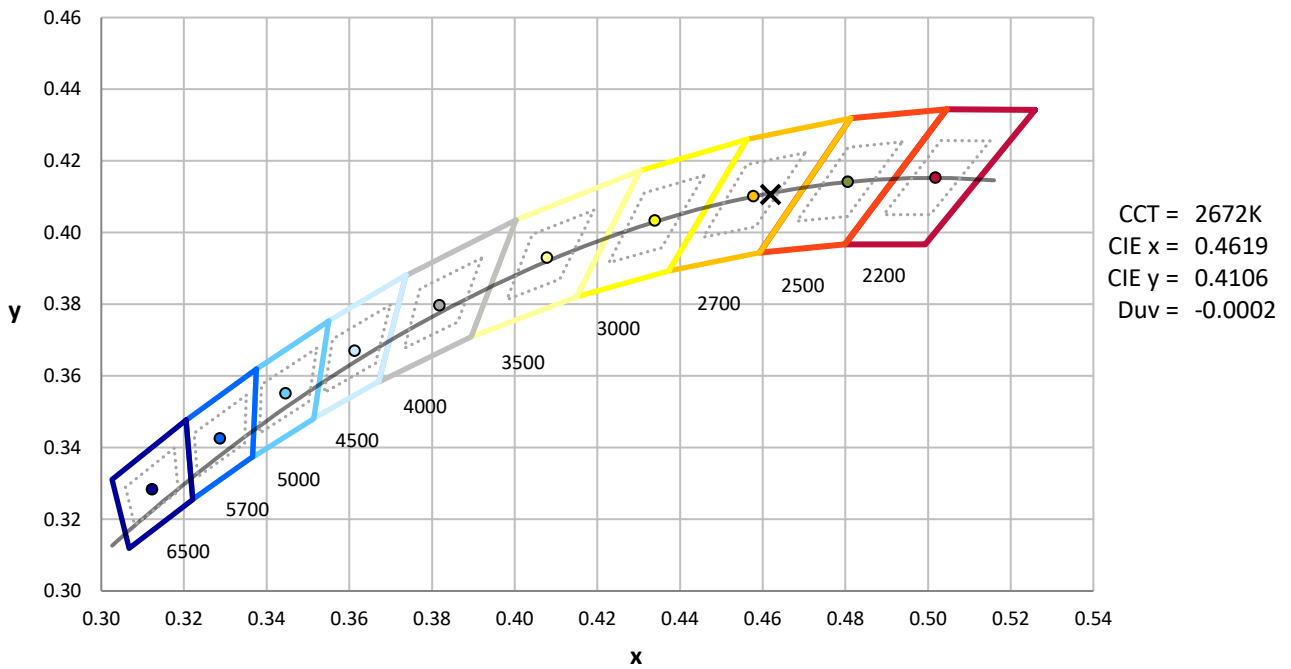
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



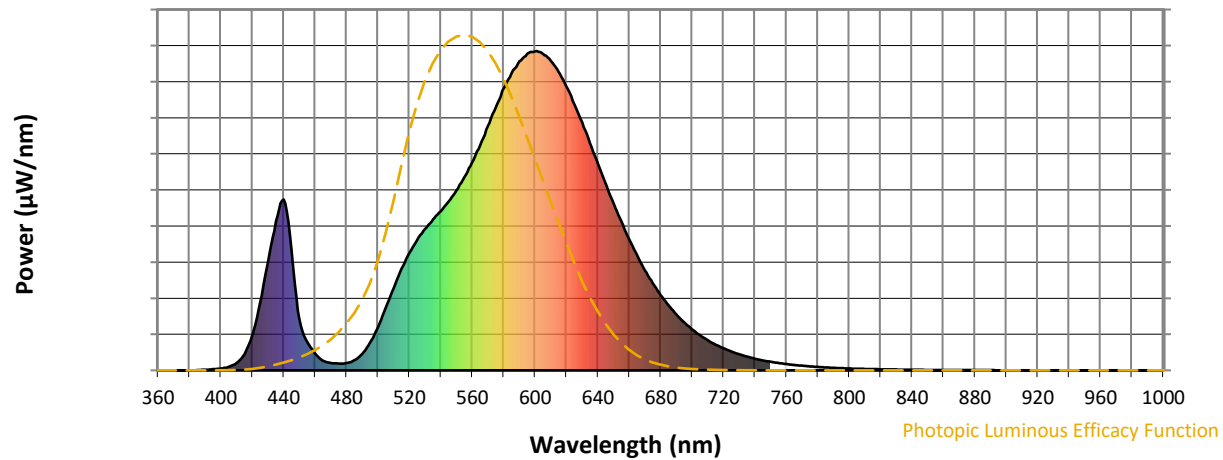
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

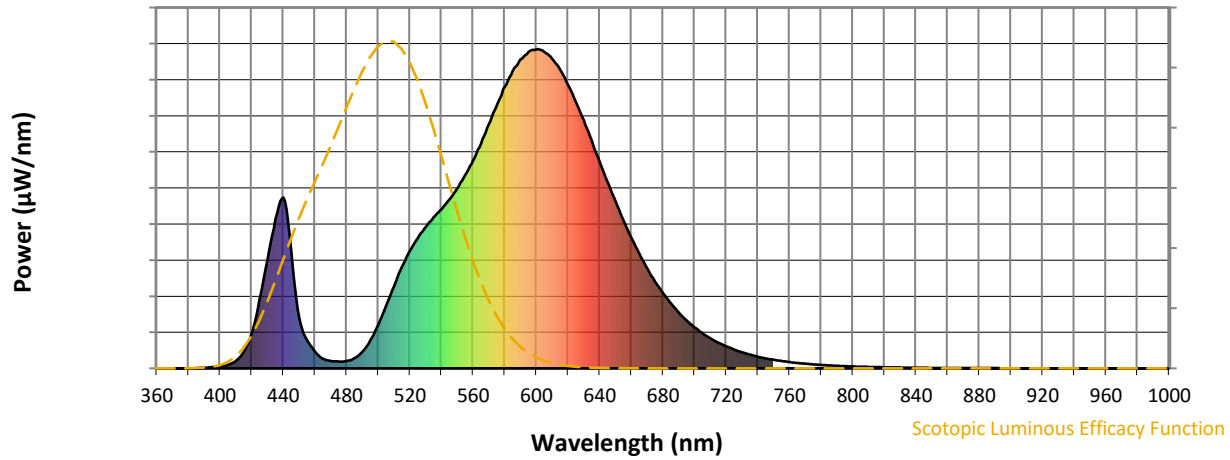


Photopic Lumens: NR

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



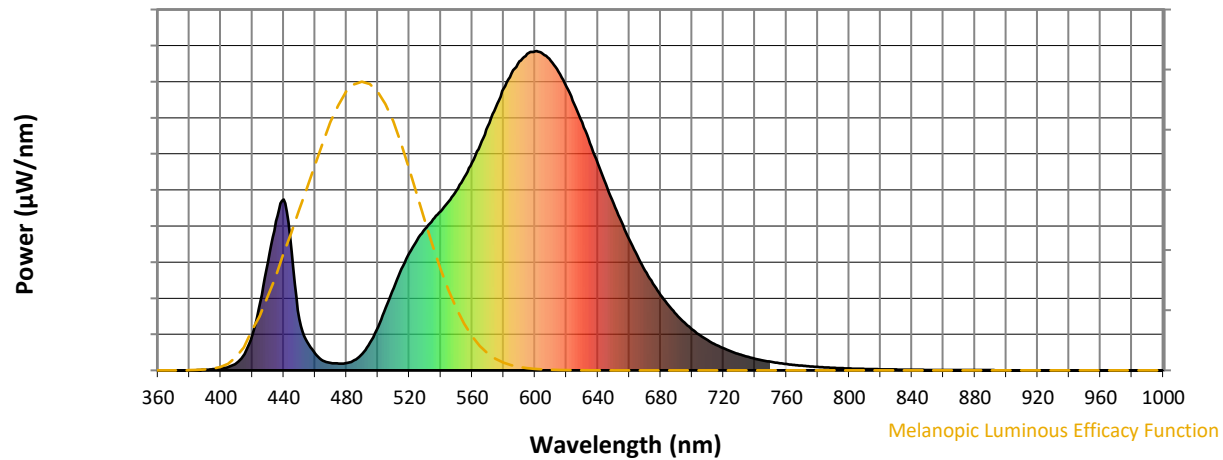
Scotopic Lumens: NR

S/P: 1.02

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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			

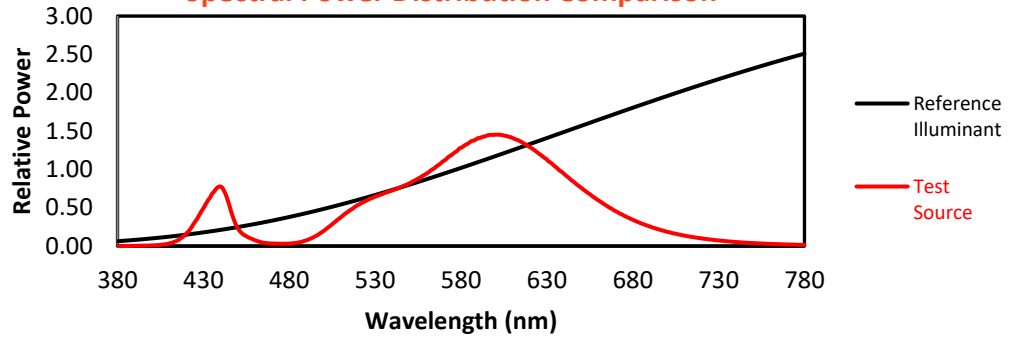
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TM-30-18

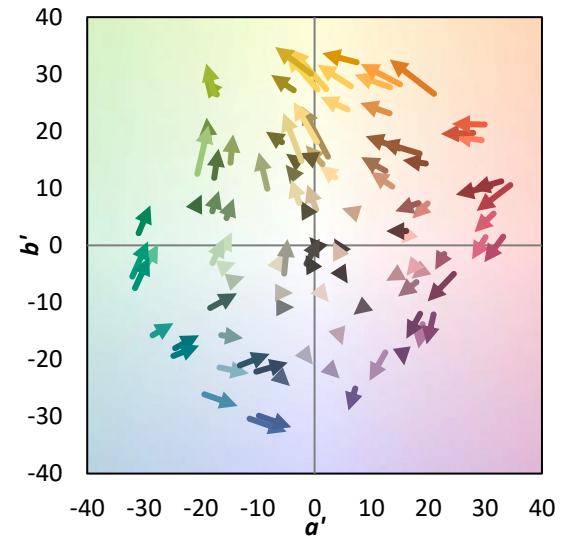
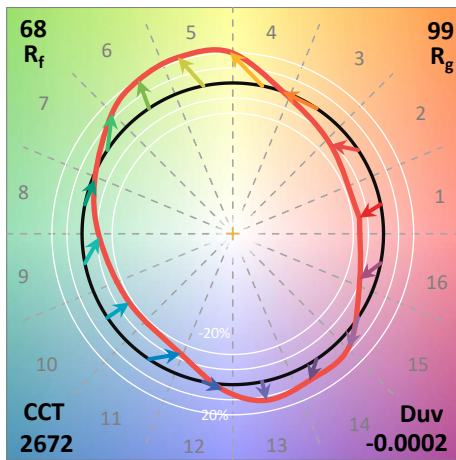
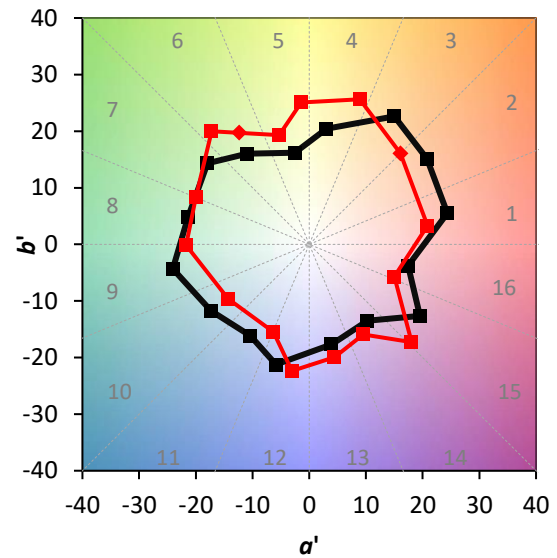
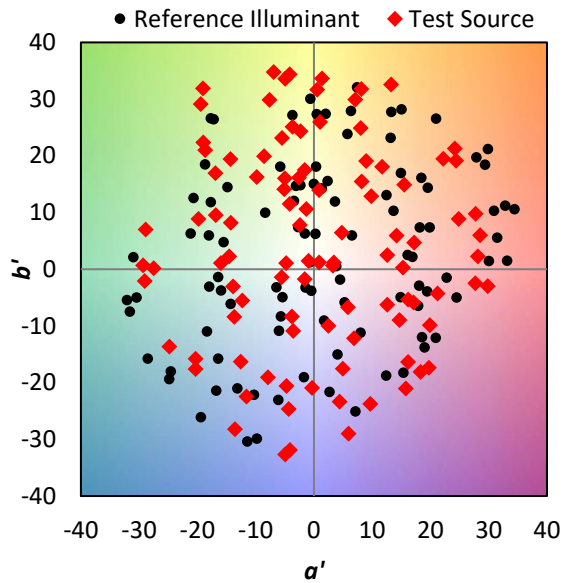
Summary

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

Spectral Power Distribution Comparison

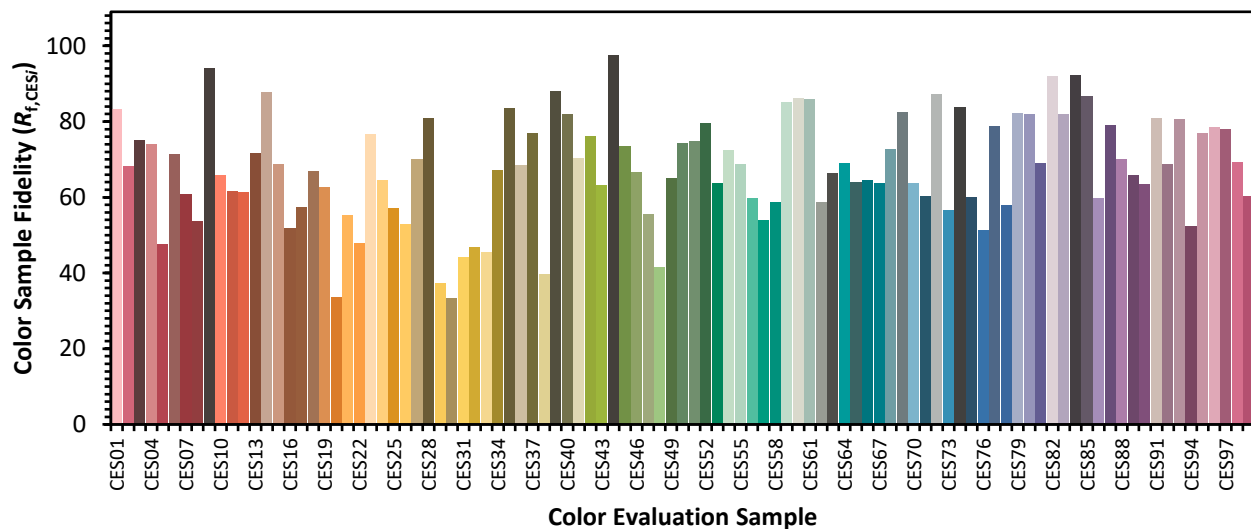


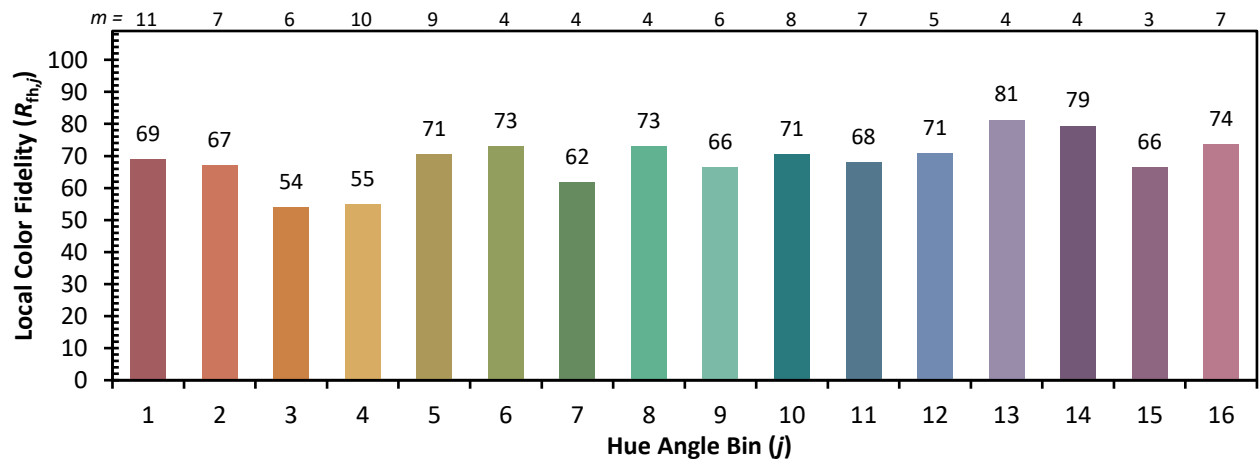
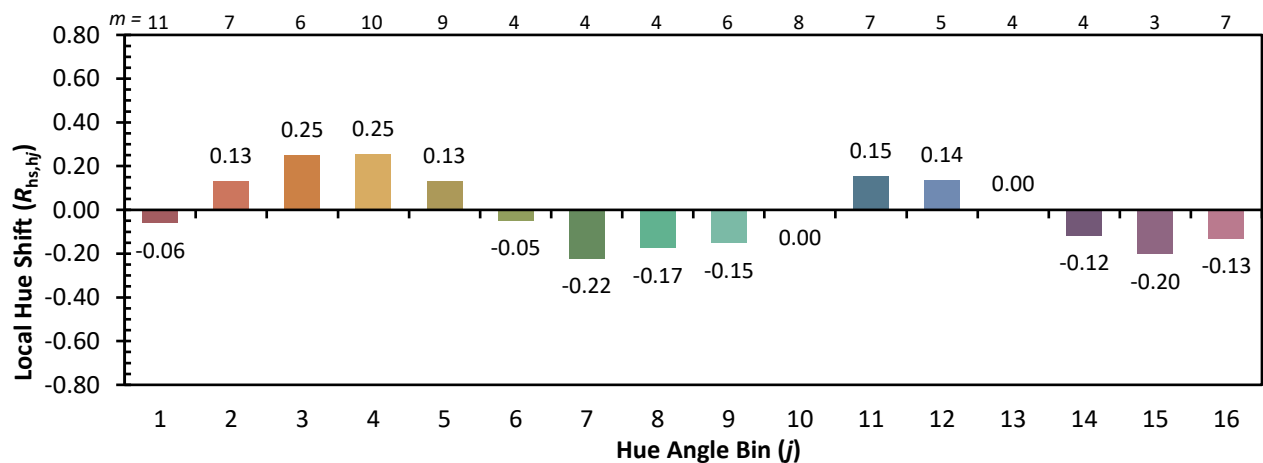
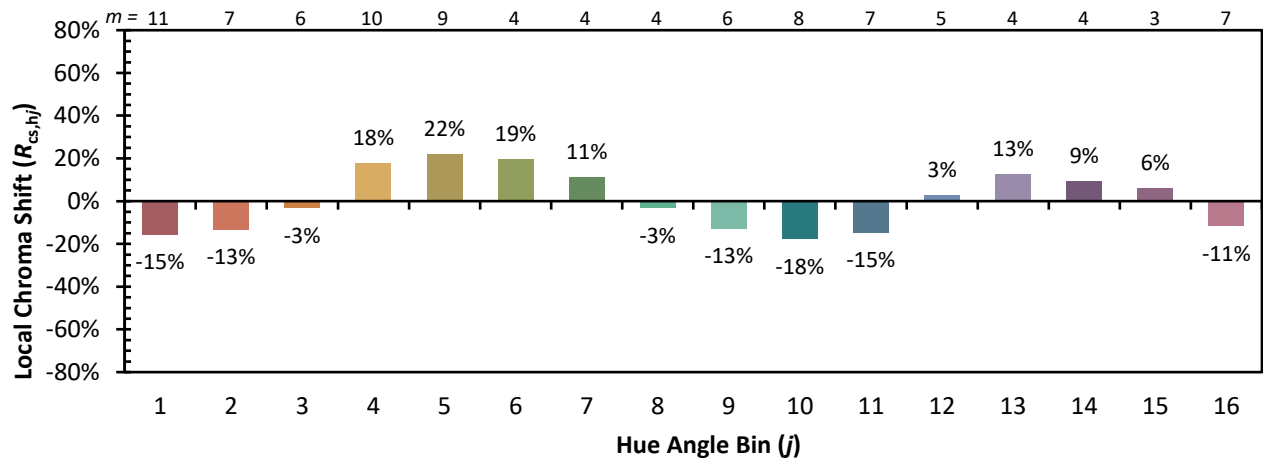
Color Vector Graphics



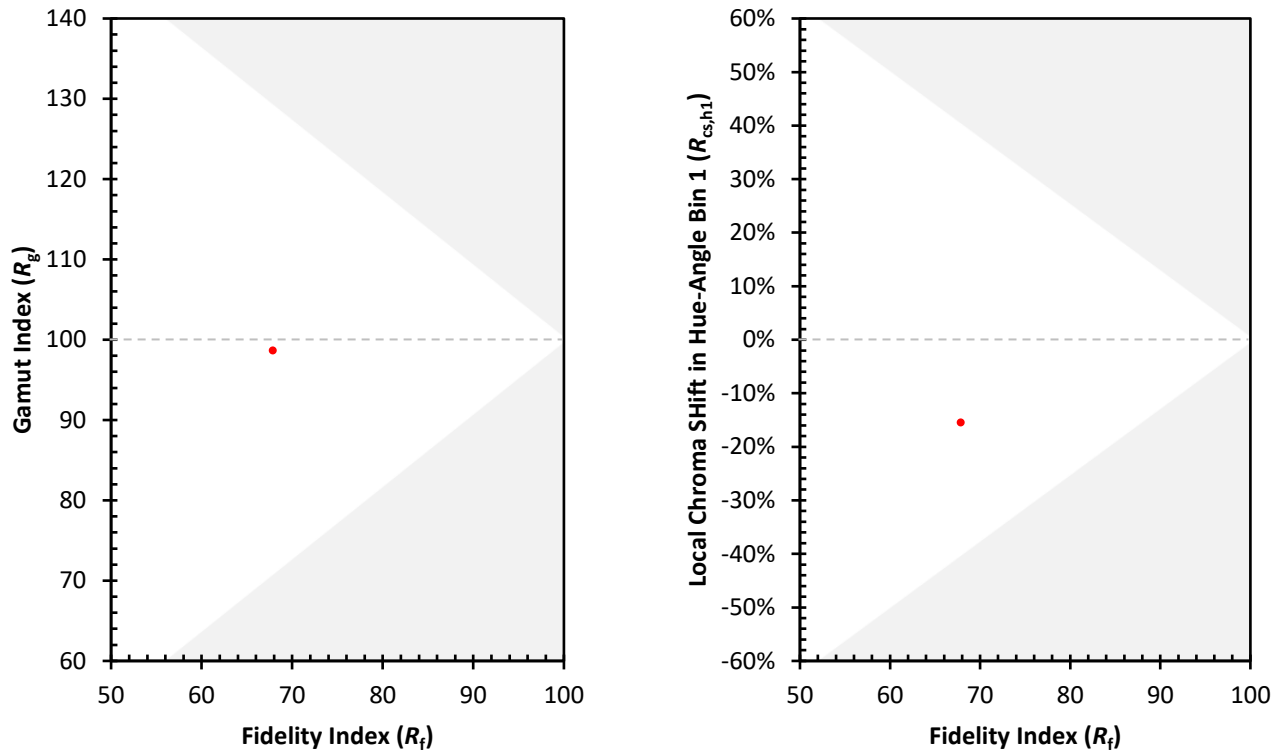
Individual Sample Fidelity Index ($R_{f,i}$)

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)