Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1704731

Luminaire Tested: GSS-SB4A-AMB-U-SL4-HSS

Issue Date: 10/28/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1704731
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	10/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-AMB-U-SL4-HSS
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 4SQUARE 130W 1590K FIXTURE w/ T4 SPILL CONTROL DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(104) 1590K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5619 lumens
Efficiency:	N/A
Efficacy:	43.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	130.1
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

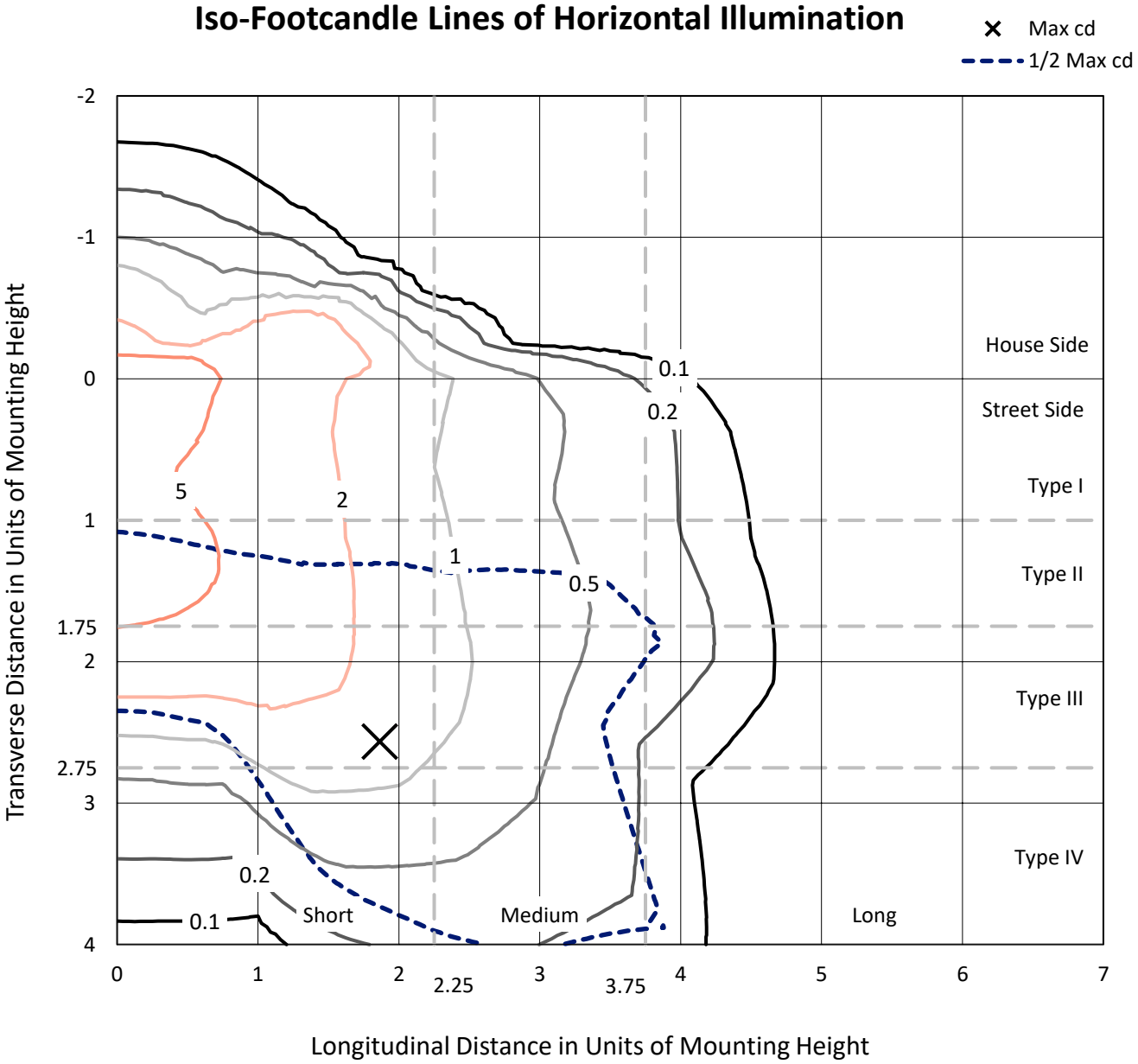


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REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



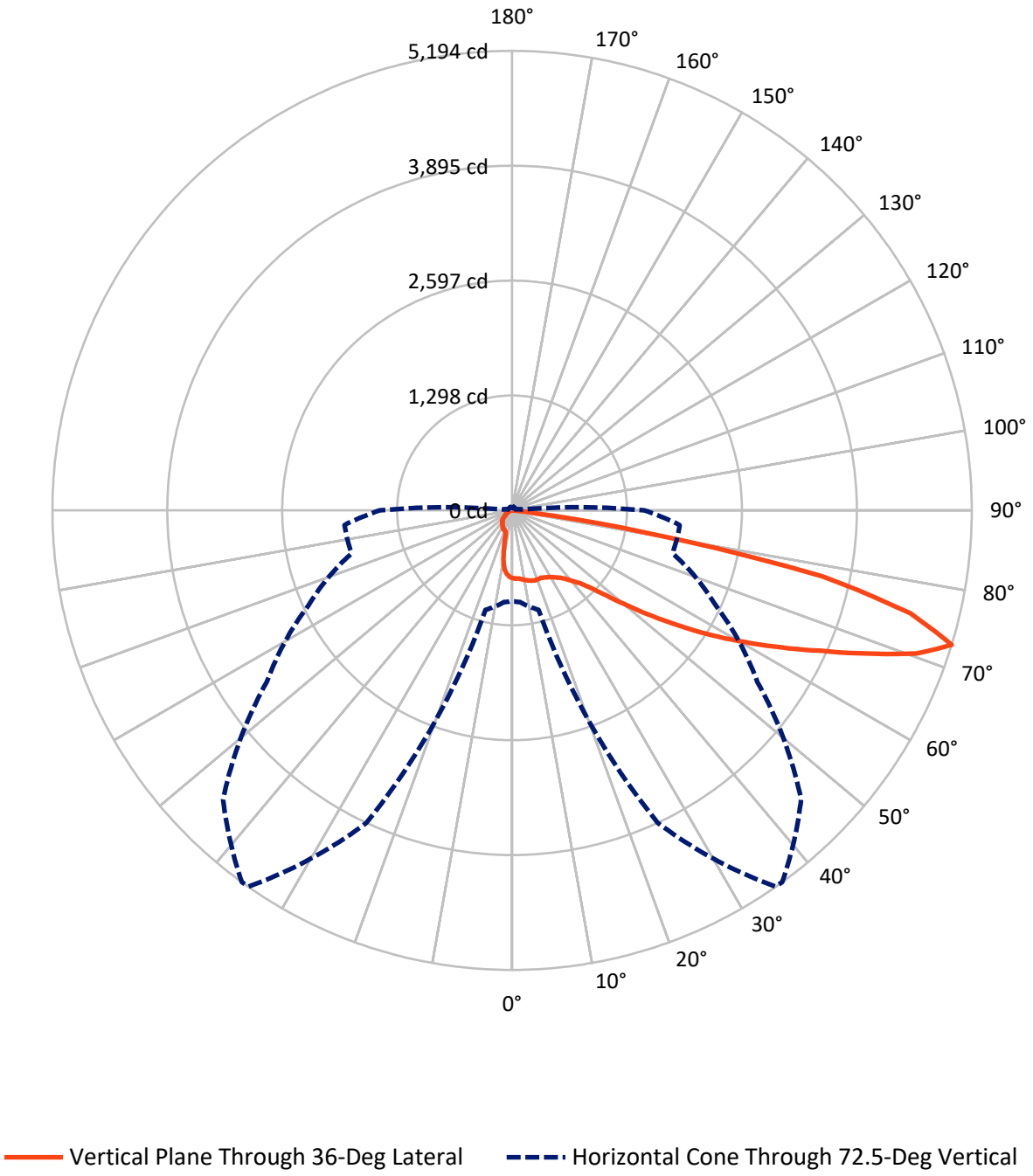
Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
Type IV - Short - N/A

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REPORT NUMBER: P1704731
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Luminous Intensity Polar Plot



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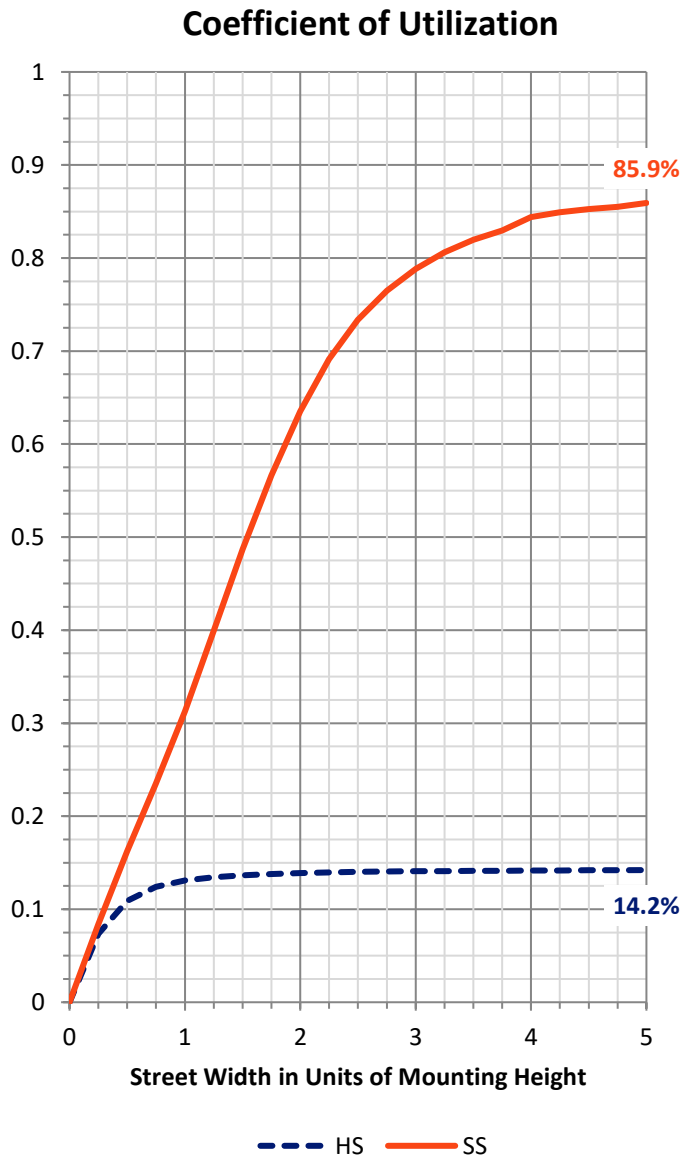
REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-SL4-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	806.8	0.0	806.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4812.2	0.0	4812.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	5619.0	0.0	5619.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.3
10°-20°	186.8	3.3
20°-30°	291.2	5.2
30°-40°	416.7	7.4
40°-50°	676.9	12.0
50°-60°	1182.7	21.0
60°-70°	1505.0	26.8
70°-80°	1213.9	21.6
80°-90°	75.0	1.3
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°	5619.0	100.0
0°-180°	5619.0	100.0



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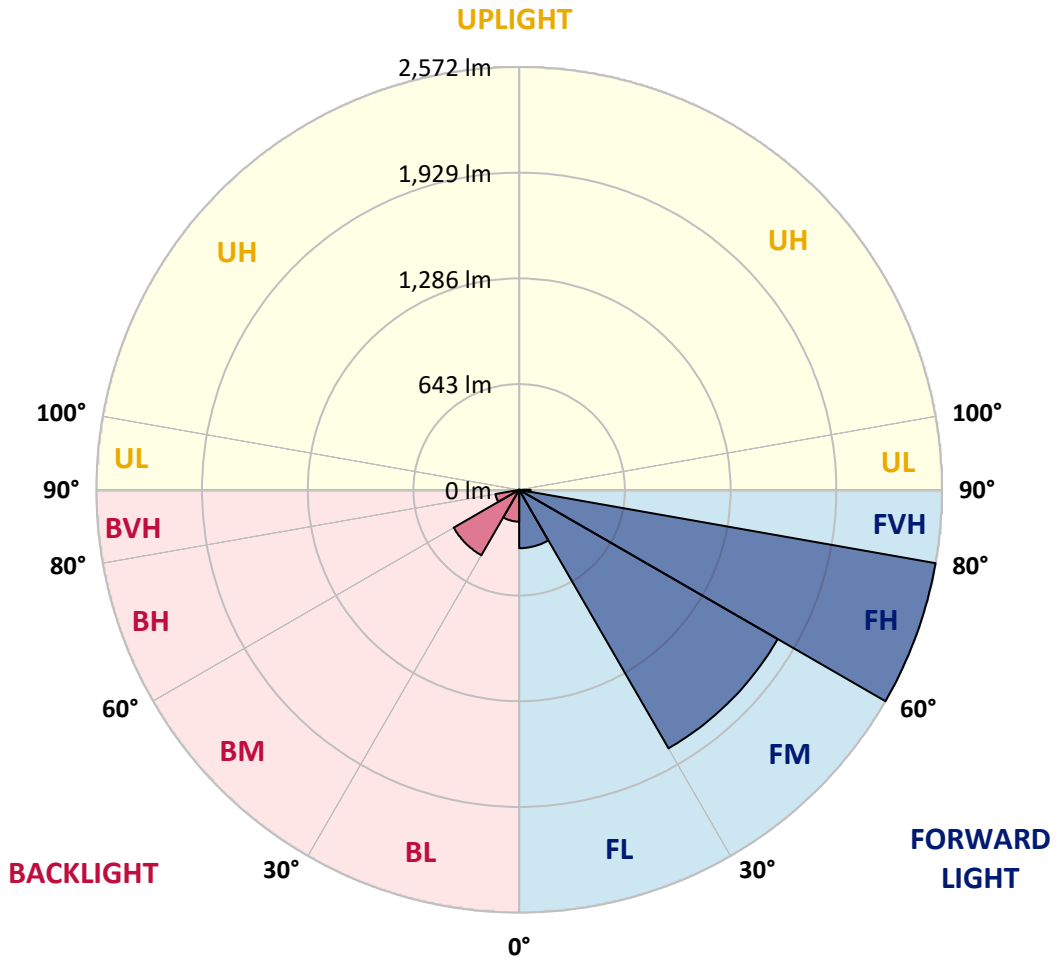
Scaled Data Report

REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	355.0	6.3			
FM	(30°-60°)	1816.1	32.3			
FH	(60°-80°)	2572.4	45.8			G2/5000
FVH	(80°-90°)	68.7	1.2			G1/100
BL	(0°-30°)	193.6	3.4	B1/500		
BM	(30°-60°)	460.3	8.2	B1/1000		
BH	(60°-80°)	146.5	2.6	B1/500		G1/500
BVH	(80°-90°)	6.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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REPORT NUMBER: P1704731
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	765.0	765.0	765.0	765.0	765.0	*765.0*	765.0	765.0	765.0	765.0	765.0
2.5°	780.8	772.9	769.0	769.0	769.0	*772.9*	769.0	769.0	765.0	761.1	761.1
5°	788.7	784.8	780.8	780.8	776.9	*772.9*	776.9	769.0	769.0	769.0	769.0
7.5°	800.5	796.6	792.7	788.7	784.8	*784.8*	784.8	780.8	776.9	776.9	772.9
10°	812.4	816.3	804.5	800.5	796.6	*800.5*	796.6	792.7	788.7	784.8	780.8
12.5°	840.0	832.1	824.2	816.3	808.4	*812.4*	816.3	808.4	808.4	808.4	796.6
15°	855.7	855.7	840.0	832.1	824.2	*824.2*	820.3	820.3	824.2	824.2	816.3
17.5°	859.7	847.9	836.0	832.1	836.0	*832.1*	828.1	828.1	840.0	840.0	840.0
20°	847.9	843.9	828.1	824.2	828.1	*832.1*	836.0	840.0	847.9	859.7	863.6
22.5°	851.8	843.9	828.1	820.3	824.2	*828.1*	840.0	851.8	855.7	867.6	879.4
25°	887.3	879.4	851.8	836.0	836.0	*840.0*	855.7	863.6	859.7	875.5	899.1
27.5°	922.8	918.8	879.4	859.7	863.6	*855.7*	867.6	867.6	871.5	879.4	907.0
30°	974.1	966.2	922.8	895.2	879.4	*875.5*	887.3	887.3	887.3	879.4	911.0
32.5°	1052.9	1033.2	981.9	930.7	903.1	*903.1*	907.0	911.0	895.2	879.4	914.9
35°	1120.0	1108.1	1052.9	981.9	930.7	*934.6*	934.6	926.7	907.0	887.3	914.9
37.5°	1258.0	1234.3	1151.5	1056.9	985.9	*981.9*	958.3	950.4	926.7	891.2	911.0
40°	1463.1	1427.6	1321.1	1163.3	1049.0	*1049.0*	1001.7	981.9	946.5	903.1	922.8
42.5°	1715.4	1703.6	1557.7	1329.0	1131.8	*1123.9*	1049.0	1009.5	970.1	918.8	934.6
45°	2113.7	2078.2	1896.8	1573.5	1258.0	*1246.2*	1112.1	1052.9	997.7	950.4	954.3
47.5°	2634.3	2551.5	2299.1	1881.1	1459.1	*1439.4*	1222.5	1112.1	1045.0	997.7	993.8
50°	3127.2	3048.4	2728.9	2224.2	1719.4	*1687.8*	1407.8	1194.9	1104.2	1049.0	1041.1
52.5°	3572.9	3497.9	3194.3	2606.7	2015.2	*1983.6*	1616.9	1325.0	1187.0	1116.0	1100.2
55°	3848.9	3766.1	3545.2	2993.1	2346.4	*2307.0*	1841.6	1474.9	1297.4	1194.9	1187.0
57.5°	4054.0	3990.9	3762.1	3352.0	2709.2	*2661.9*	2094.0	1652.3	1443.3	1293.5	1277.7
60°	4132.8	4050.0	3923.8	3628.1	3076.0	*3020.8*	2366.1	1857.4	1605.0	1411.8	1380.2
62.5°	4164.4	4109.2	4030.3	3845.0	3446.7	*3411.2*	2661.9	2098.0	1798.3	1538.0	1506.4
65°	3478.2	3513.7	3888.3	4152.6	3860.7	*3825.2*	3036.5	2393.7	2003.3	1597.1	1534.0
67.5°	2287.3	2342.5	2886.7	4270.9	4353.7	*4314.2*	3470.3	2705.3	2050.6	1628.7	1679.9
70°	1423.6	1474.9	1944.2	4211.7	4858.4	*4846.6*	4113.1	2867.0	2267.5	1770.7	1818.0
72.5°	*1025.3*	*1041.1*	*1163.3*	*3896.2*	*5189.7*	*5193.6*	*4617.9*	*3383.6*	*2535.7*	*1877.1*	*1900.8*
75°	698.0	713.8	832.1	3202.2	4669.2	*4645.5*	4515.4	3647.8	2827.5	1877.1	1679.9
77.5°	185.3	193.2	252.4	1758.8	3375.7	*3580.7*	3734.5	1967.8	2500.2	1230.4	761.1
80°	55.2	59.2	98.6	287.9	1400.0	*1514.3*	2389.8	485.1	702.0	311.5	110.4
82.5°	23.7	23.7	63.1	94.6	205.1	*224.8*	461.4	102.5	205.1	67.0	31.5
85°	7.9	11.8	31.5	43.4	47.3	*47.3*	51.3	31.5	59.2	35.5	11.8
87.5°	0.0	3.9	3.9	7.9	7.9	*7.9*	7.9	7.9	7.9	7.9	7.9
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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REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	765.0	765.0	761.1	761.1	753.2	757.2	753.2	749.3	745.3	749.3	745.3
5°	761.1	761.1	753.2	749.3	737.4	729.6	721.7	717.7	709.8	709.8	713.8
7.5°	769.0	765.0	757.2	741.4	725.6	702.0	674.3	654.6	638.9	627.0	631.0
10°	776.9	772.9	757.2	733.5	698.0	650.7	579.7	516.6	481.1	461.4	461.4
12.5°	792.7	788.7	769.0	725.6	662.5	540.3	433.8	354.9	307.6	287.9	291.8
15°	808.4	804.5	780.8	717.7	567.9	398.3	283.9	264.2	268.2	268.2	272.1
17.5°	832.1	828.1	796.6	678.3	449.6	272.1	252.4	256.3	260.3	264.2	268.2
20°	855.7	851.8	820.3	611.2	319.4	244.5	244.5	248.4	252.4	260.3	260.3
22.5°	879.4	879.4	840.0	512.7	240.6	232.7	236.6	240.6	248.4	252.4	252.4
25°	903.1	911.0	840.0	394.4	224.8	224.8	232.7	236.6	240.6	248.4	248.4
27.5°	918.8	930.7	808.4	276.0	213.0	216.9	224.8	228.7	236.6	244.5	244.5
30°	934.6	954.3	757.2	220.8	205.1	205.1	213.0	220.8	228.7	240.6	240.6
32.5°	950.4	978.0	705.9	216.9	197.2	197.2	205.1	213.0	224.8	232.7	236.6
35°	958.3	1005.6	662.5	244.5	189.3	189.3	193.2	201.1	216.9	228.7	228.7
37.5°	962.2	1033.2	634.9	295.8	193.2	181.4	181.4	189.3	201.1	216.9	220.8
40°	978.0	1068.7	627.0	374.6	213.0	177.5	177.5	177.5	185.3	201.1	205.1
42.5°	989.8	1096.3	654.6	418.0	240.6	169.6	165.6	161.7	161.7	173.5	173.5
45°	1017.4	1139.7	812.4	433.8	260.3	161.7	153.8	142.0	138.0	142.0	142.0
47.5°	1052.9	1206.7	1112.1	449.6	252.4	153.8	138.0	122.2	118.3	118.3	122.2
50°	1092.4	1325.0	1455.2	485.1	232.7	145.9	118.3	106.5	106.5	106.5	106.5
52.5°	1167.3	1490.7	1660.2	461.4	209.0	126.2	102.5	94.6	94.6	94.6	94.6
55°	1246.2	1664.2	1664.2	343.1	185.3	110.4	90.7	90.7	90.7	86.8	86.8
57.5°	1344.7	1829.8	1447.3	224.8	153.8	94.6	82.8	82.8	82.8	78.9	78.9
60°	1478.8	1869.2	1052.9	157.7	110.4	82.8	78.9	78.9	74.9	71.0	71.0
62.5°	1636.6	1656.3	579.7	102.5	82.8	71.0	71.0	71.0	67.0	59.2	59.2
65°	1656.3	1104.2	216.9	74.9	67.0	63.1	63.1	63.1	55.2	47.3	47.3
67.5°	1739.1	721.7	78.9	63.1	59.2	55.2	55.2	55.2	47.3	43.4	39.4
70°	1660.2	299.7	55.2	51.3	47.3	43.4	47.3	47.3	43.4	35.5	35.5
72.5°	*1490.7*	*110.4*	*43.4*	*43.4*	*39.4*	*35.5*	*39.4*	*43.4*	*35.5*	*31.5*	*31.5*
75°	1064.8	47.3	31.5	31.5	27.6	27.6	31.5	35.5	31.5	27.6	27.6
77.5°	394.4	31.5	27.6	23.7	19.7	23.7	27.6	27.6	23.7	23.7	19.7
80°	78.9	23.7	19.7	15.8	15.8	19.7	23.7	23.7	19.7	19.7	19.7
82.5°	23.7	15.8	15.8	11.8	11.8	15.8	15.8	15.8	15.8	15.8	15.8
85°	11.8	7.9	7.9	11.8	11.8	11.8	11.8	15.8	15.8	15.8	15.8
87.5°	7.9	7.9	3.9	3.9	7.9	7.9	7.9	11.8	11.8	11.8	11.8
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP3-2509-541-1

Test Date: 09/16/2025

Luminaire Tested: GALN-SA1A-AMB-U-T3BC

Data in this report applies to families of products including GALN-SA1A*

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

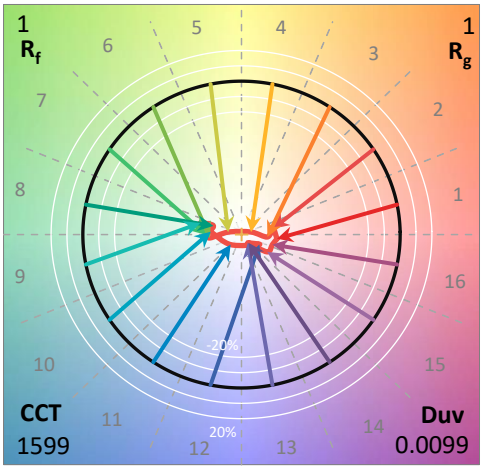
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2509-541-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP3 - 3M SPHERE
Measurement Geometry:	4π
Issue Date:	10/02/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GALN-SA1A-AMB-U-T3BC**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) AMBER, 615MA LIGHTSQUARES TYPE III ROADWAY OPTICS WITH ANGLED BACKLIGHT CONTROL HEATSINK

Spectral Parameters

CCT (K):	1599
CIE u':	0.3452
CIE v':	0.5480
Duv:	0.0099
CIE x:	0.5859
CIE y:	0.4133
CIE z:	0.0008
Peak Wavelength (nm):	596
Dominant Wavelength (nm):	591
Purity:	99.94224
Rf:	1.2
Rg:	0.9

CRI (Ra):	-22.7				
R1:	-36.4	R9:	-395.3		
R2:	50.8	R10:	26.0		
R3:	18.3	R11:	-97.2		
R4:	-69.1	R12:	-14.1		
R5:	-41.9	R13:	-17.6		
R6:	38.5	R14:	46.4		
R7:	-6.7	R15:	-69.4		
R8:	-135.4				



Test Conditions

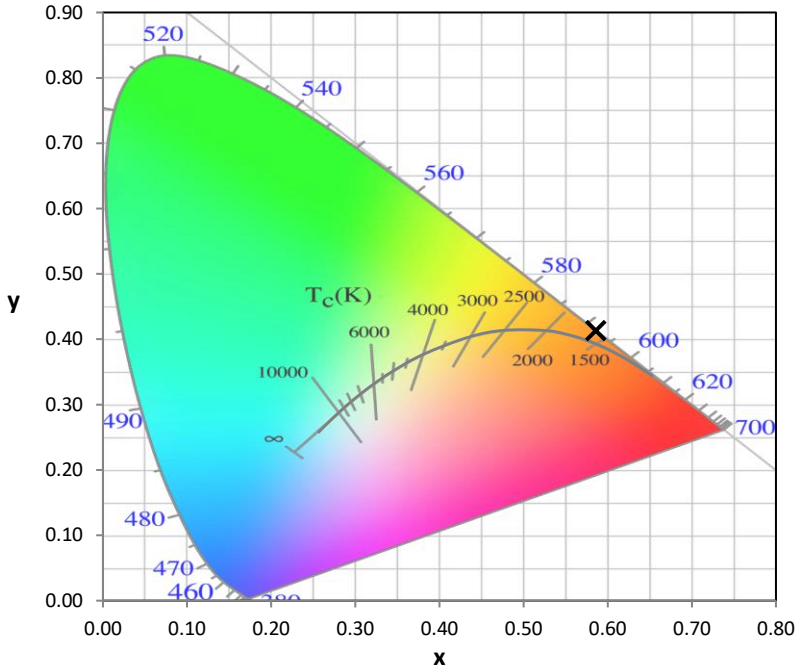
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

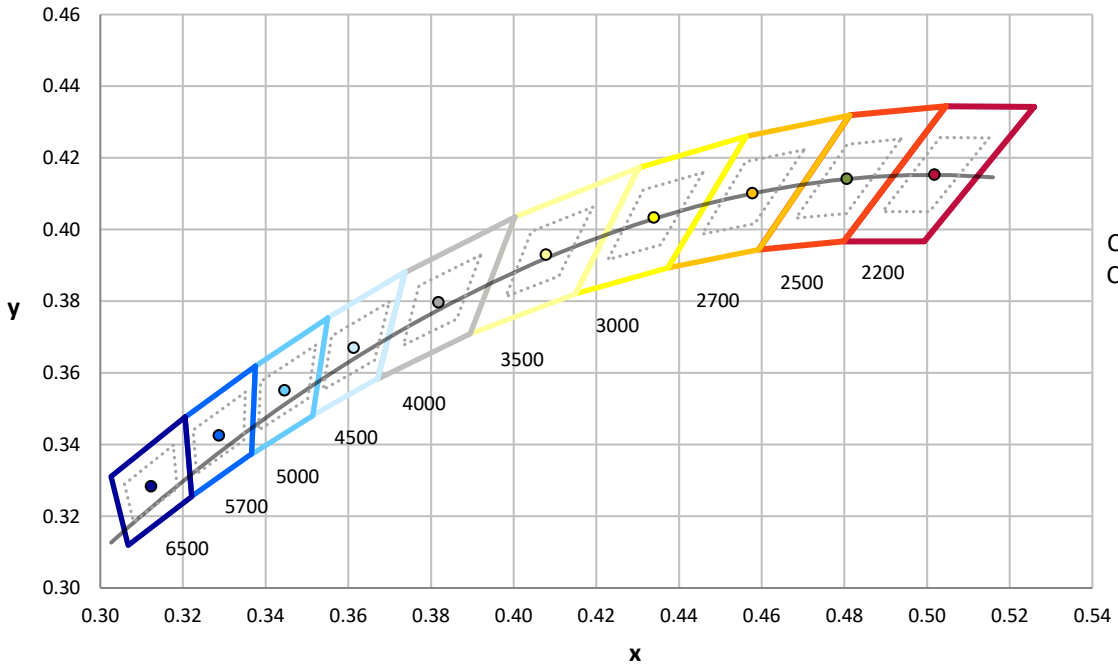
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024	10/22/2025
Sphere Thermometer	TANDD IN4036E	10/22/2024	10/22/2025

REPORT NUMBER: SP3-2509-541-1

CIE 1931 Chromaticity Diagram



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

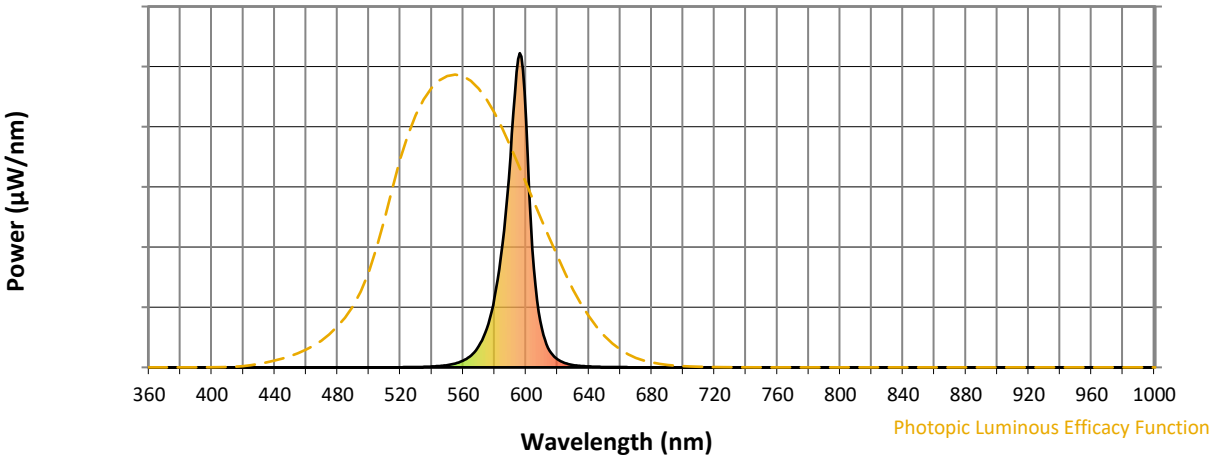


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

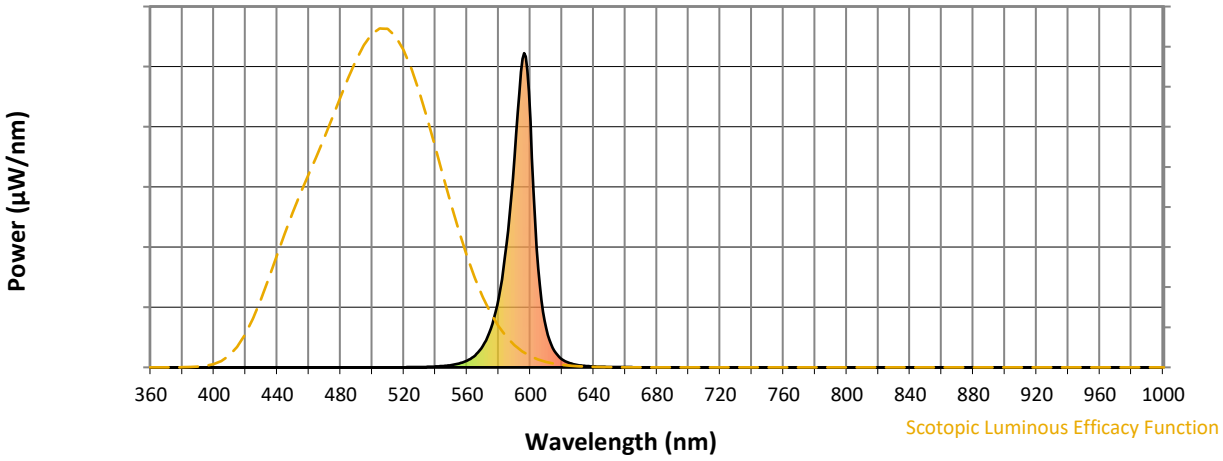


Photopic Lumens: NR

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	0	NR	620	26	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	8	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	1	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	2	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	3	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	68	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	123	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	223	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	392	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	669	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	982	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	783	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	315	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	124	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	53	NR	745	0	NR	875	0	NR			

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Scotopic Flux vs. Wavelength

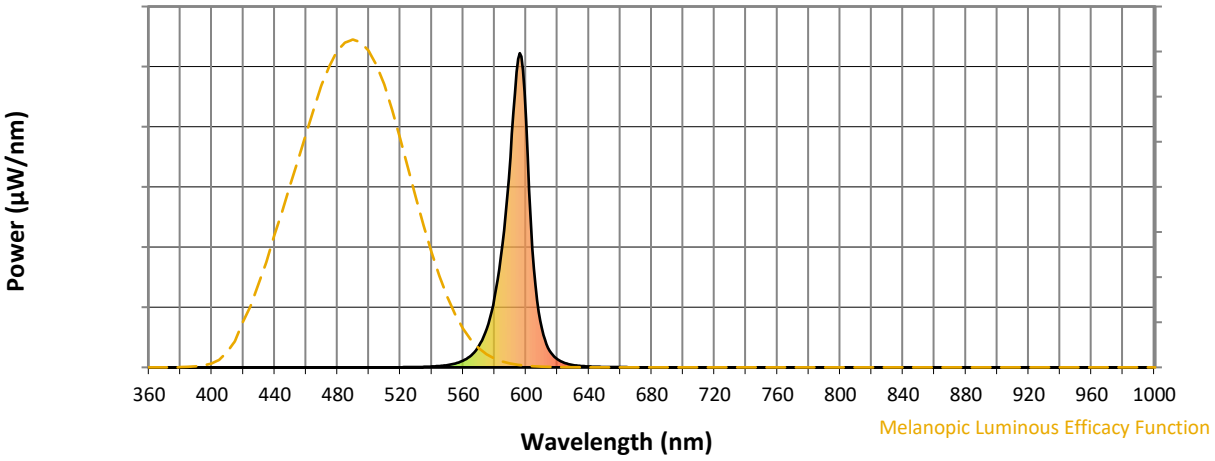


Scotopic Lumens: NR **S/P: 0.23**

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	0	NR	620	26	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	8	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	1	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	2	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	3	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	68	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	123	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	223	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	392	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	669	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	982	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	783	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	315	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	124	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	53	NR	745	0	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 0.13**

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	0	NR	620	26	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	8	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	1	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	2	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	3	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	68	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	123	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	223	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	392	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	669	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	982	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	783	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	315	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	124	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	53	NR	745	0	NR	875	0	NR			

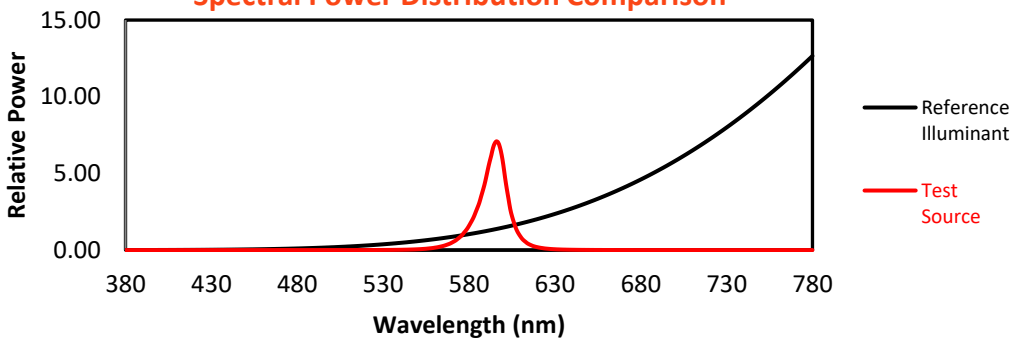
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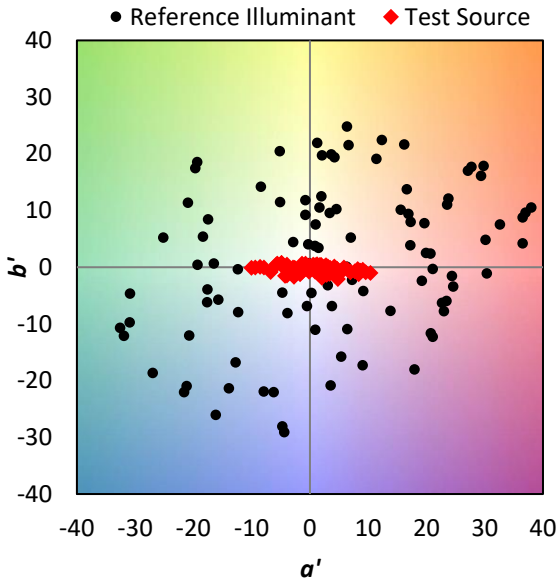
Summary

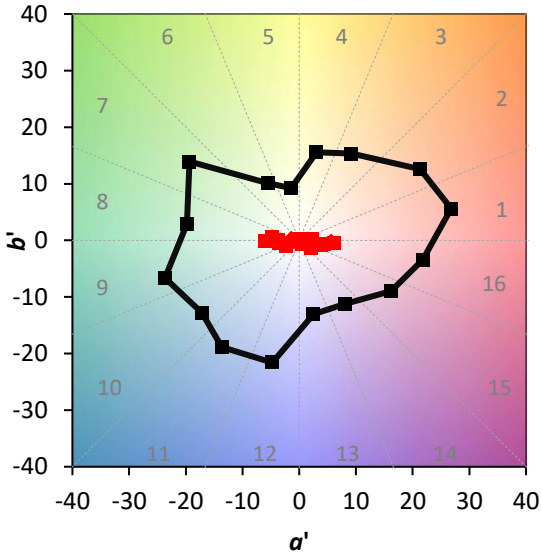
R_f = 1.2
R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

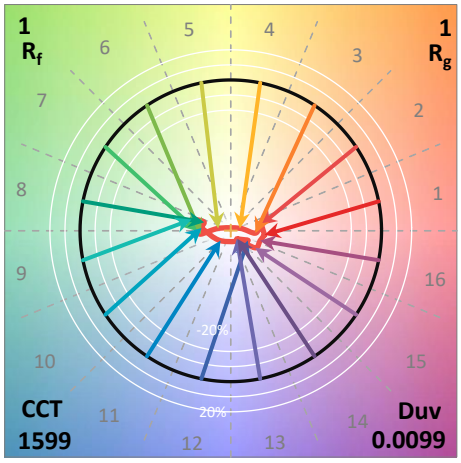
Spectral Power Distribution Comparison

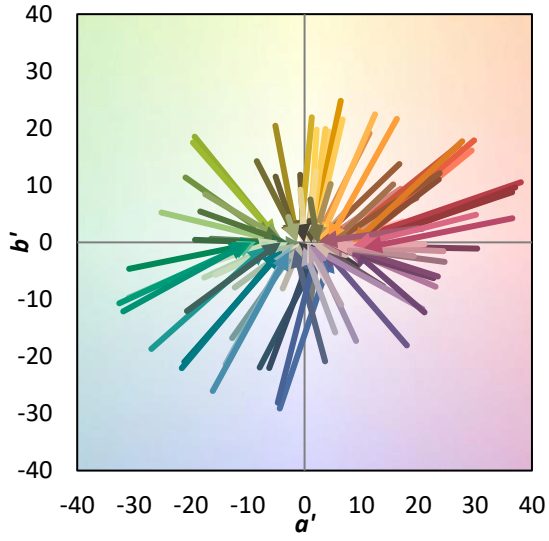


Color Vector Graphics







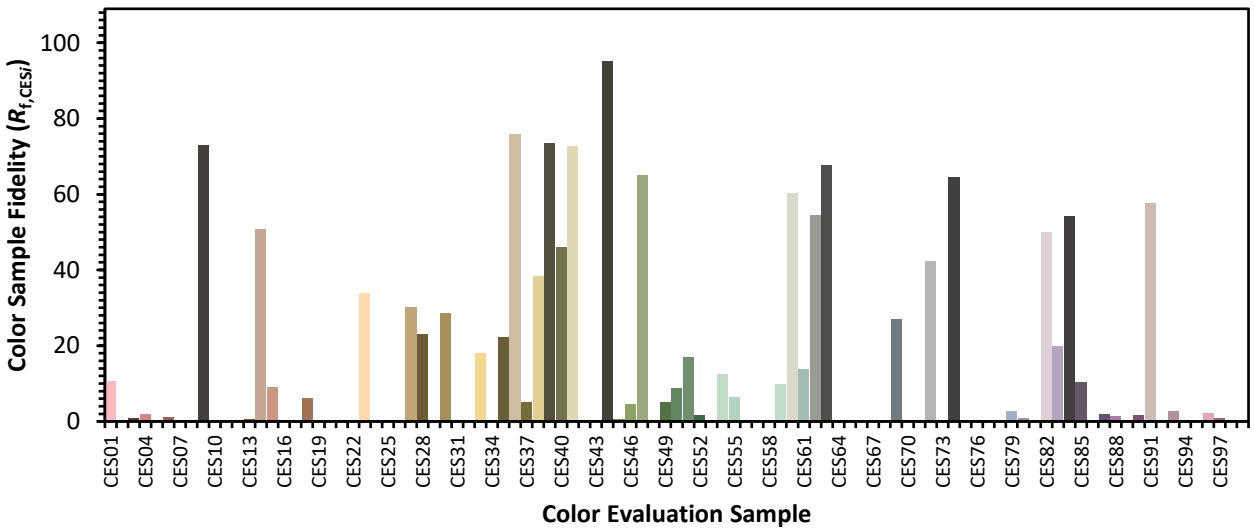


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Individual Sample Fidelity Index ($R_{f,i}$)

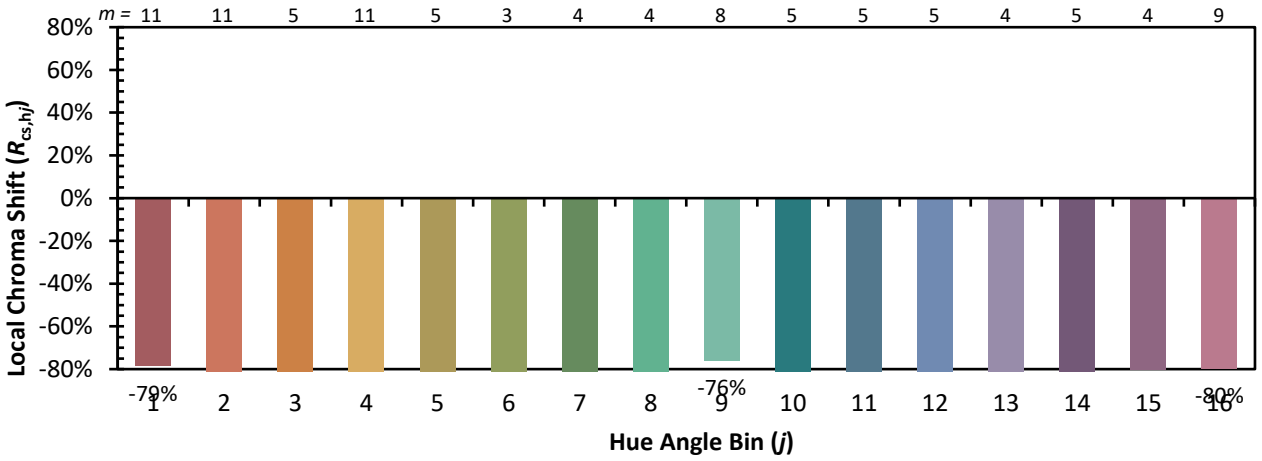
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 = 38	CES33 = 18	CES58 = 0	CES83 = 20
CES09 = 29	CES34 = 0	CES59 = 10	CES84 = 54
CES10 = 87	CES35 = 22	CES60 = 60	CES85 = 10
CES11 = 70	CES36 = 76	CES61 = 14	CES86 = 0
CES12 = 75	CES37 = 5	CES62 = 55	CES87 = 2
CES13 = 46	CES38 = 38	CES63 = 68	CES88 = 1
CES14 = 76	CES39 = 73	CES64 = 0	CES89 = 0
CES15 = 74	CES40 = 46	CES65 = 0	CES90 = 2
CES16 = 49	CES41 = 73	CES66 = 0	CES91 = 58
CES17 = 56	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 59	CES43 = 0	CES68 = 0	CES93 = 3
CES19 = 80	CES44 = 95	CES69 = 27	CES94 = 0
CES20 = 71	CES45 = 1	CES70 = 0	CES95 = 0
CES21 = 94	CES46 = 5	CES71 = 0	CES96 = 2
CES22 = 86	CES47 = 65	CES72 = 42	CES97 = 1
CES23 = 94	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 95	CES49 = 5	CES74 = 65	CES99 = 0
CES25 = 79	CES50 = 9	CES75 = 0	

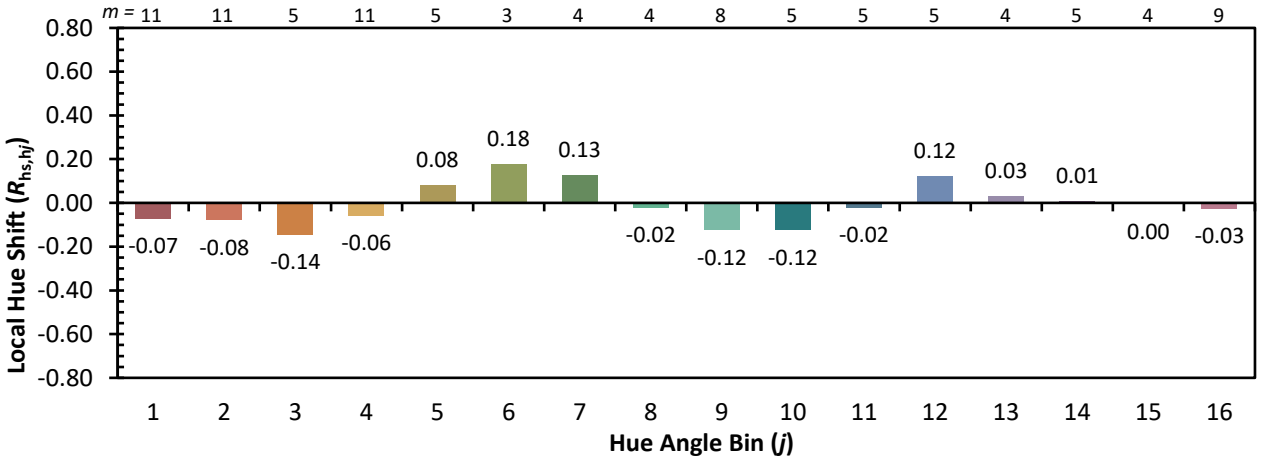


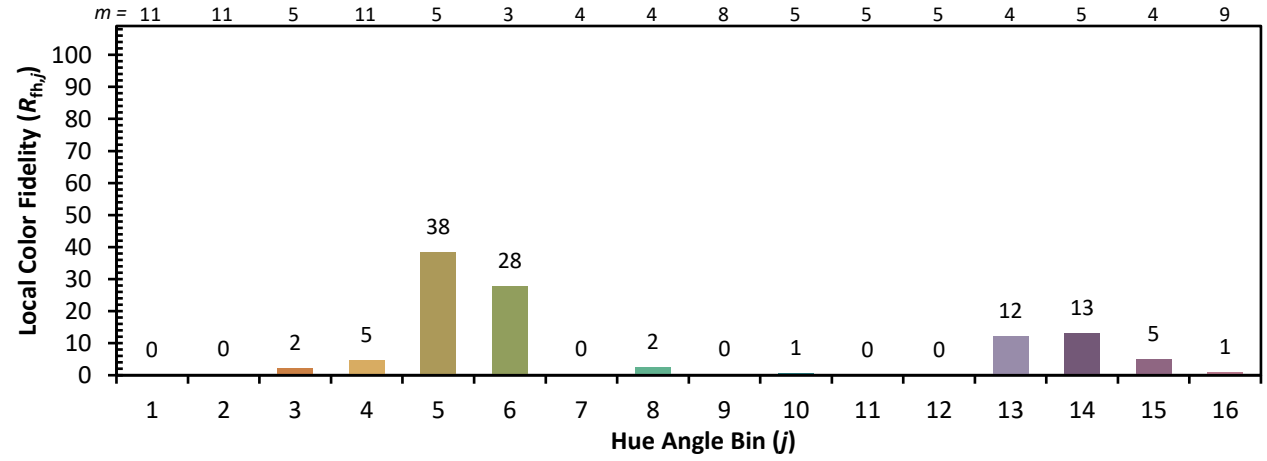
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Color Rendition by Hue-Angle Bin



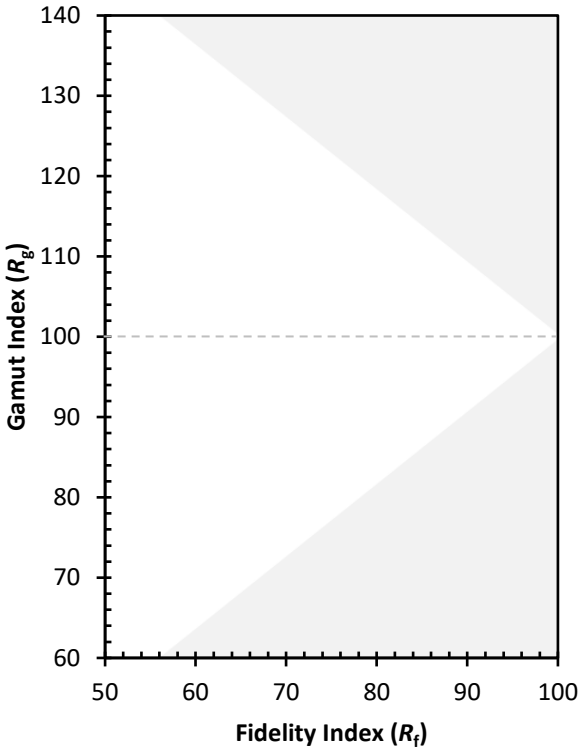


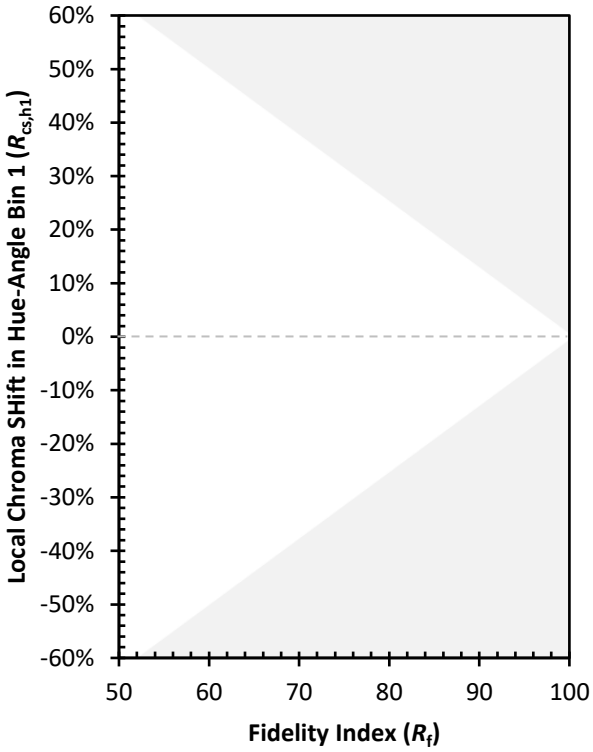


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Measure Comparisons





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