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-T2

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-T2
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 4SQUARE 130W 1590K FIXTURE w/ T2 DISTRIBUTION
Light Source:	(104) 1590K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8341.8 lumens
Efficiency:	N/A
Efficacy:	64.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - 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

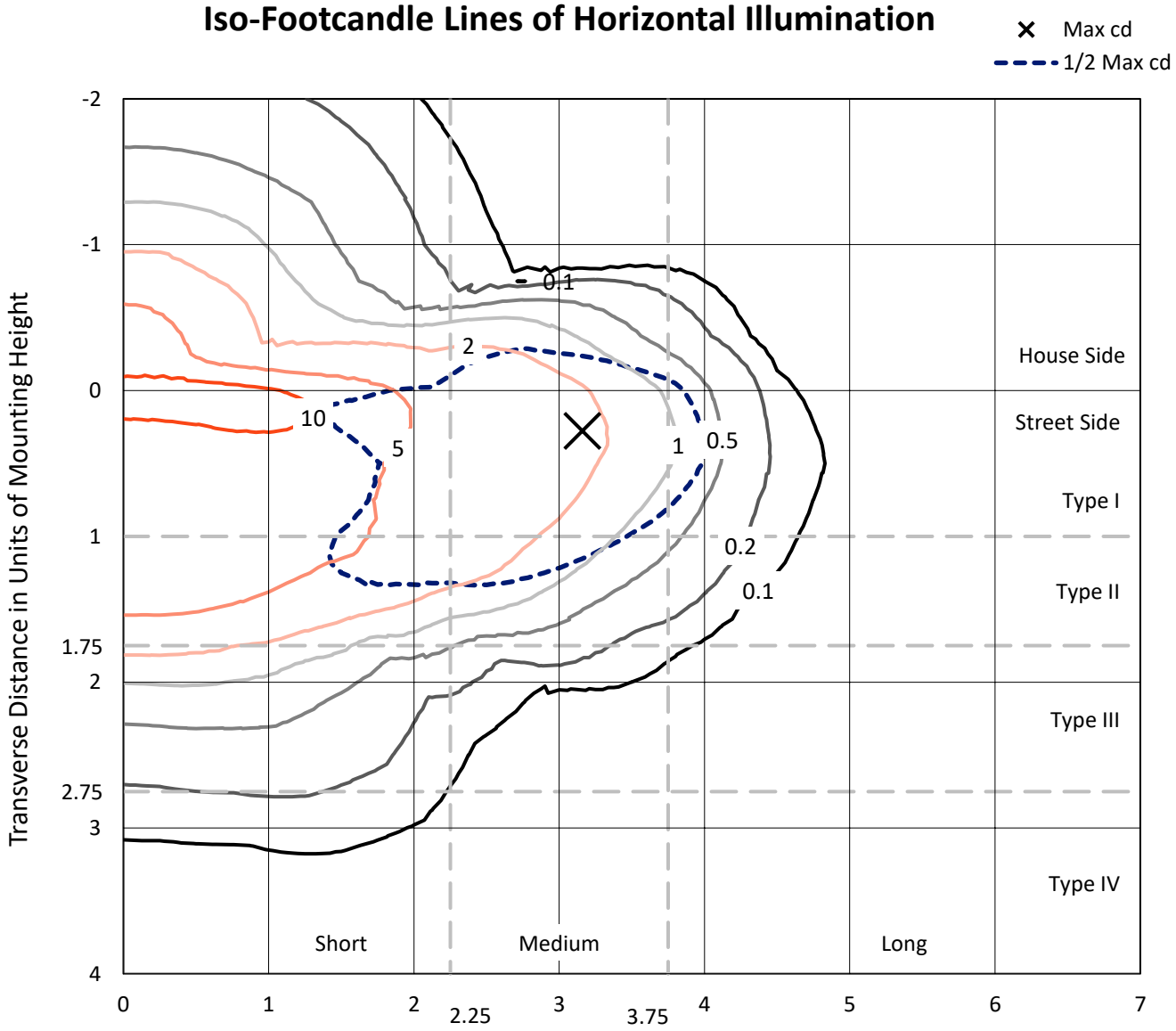


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REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T2

Iso-Footcandle Lines of Horizontal Illumination



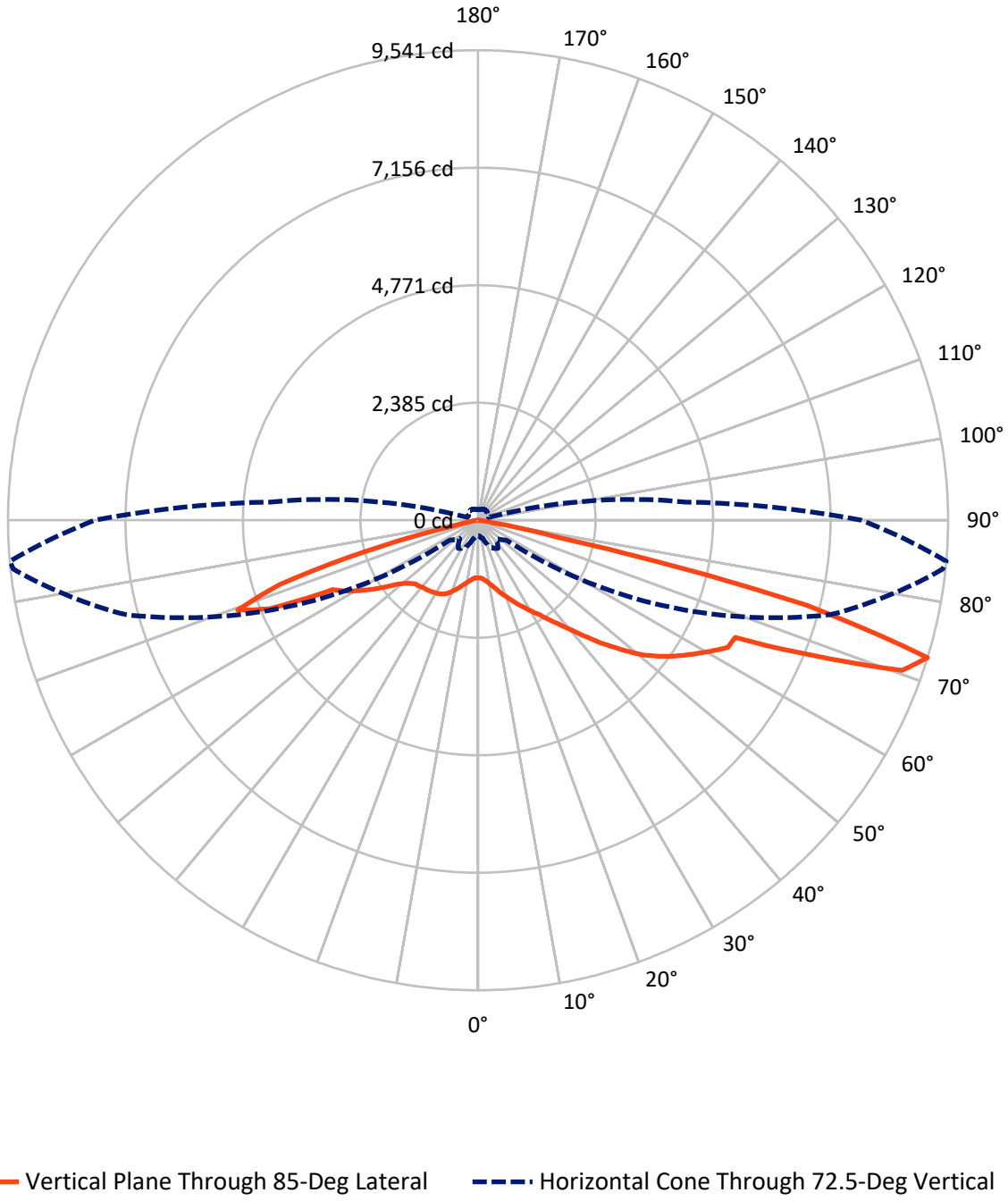
Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
Type II - Medium - N/A

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REPORT NUMBER: P1704731
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Luminous Intensity Polar Plot



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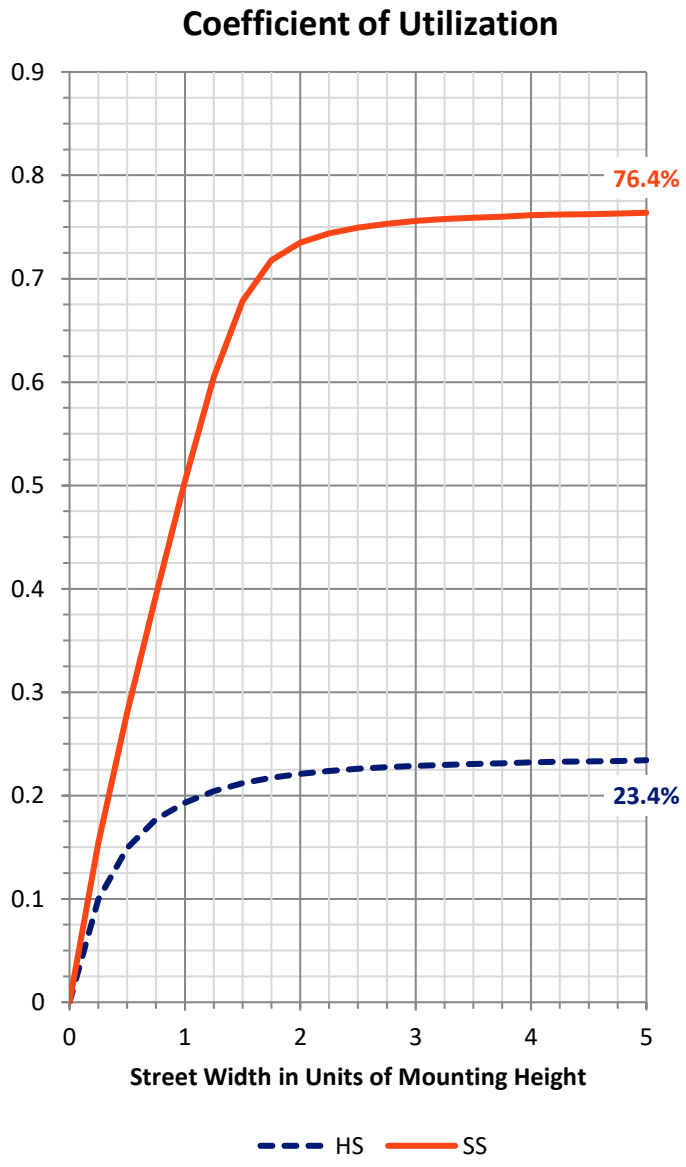
REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1968.5	0.0	1968.5
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	6373.4	0.0	6373.4
	% Fixture	76.4	0.0	76.4
Total	Lumens	8341.8	0.0	8341.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	1.3
10°-20°	315.9	3.8
20°-30°	523.4	6.3
30°-40°	791.0	9.5
40°-50°	1304.8	15.6
50°-60°	1995.7	23.9
60°-70°	2118.4	25.4
70°-80°	1124.1	13.5
80°-90°	58.5	0.7
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°	8341.8	100.0
0°-180°	8341.8	100.0



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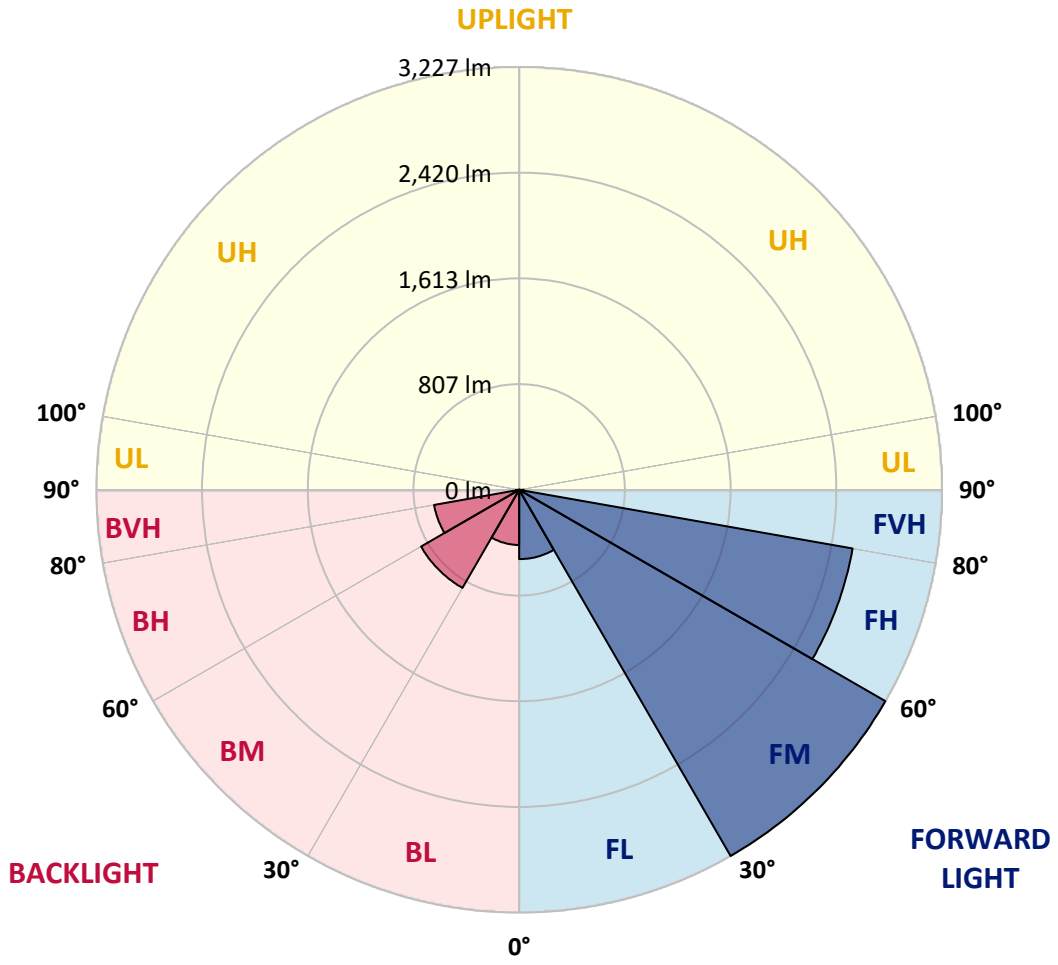
Scaled Data Report

REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	528.8	6.3			
FM	(30°-60°)	3226.7	38.7			
FH	(60°-80°)	2583.3	31.0			G2/5000
FVH	(80°-90°)	34.5	0.4			G1/100
BL	(0°-30°)	420.7	5.0	B1/500		
BM	(30°-60°)	864.7	10.4	B1/1000		
BH	(60°-80°)	659.1	7.9	B2/1000		G2/1000
BVH	(80°-90°)	23.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	*1171.9*
2.5°	1211.4	1207.4	1199.6	1203.5	1199.6	1191.7	1191.7	1187.7	1179.8	1179.8	*1175.9*
5°	1211.4	1215.3	1211.4	1211.4	1223.2	1227.2	1227.2	1231.1	1219.3	1207.4	*1207.4*
7.5°	1199.6	1199.6	1203.5	1211.4	1231.1	1243.0	1258.7	1278.5	1270.6	1254.8	*1250.9*
10°	1108.8	1108.8	1132.5	1164.0	1211.4	1254.8	1286.4	1321.9	1337.7	1314.0	*1314.0*
12.5°	966.7	970.7	990.4	1037.8	1120.6	1211.4	1306.1	1365.3	1389.0	1389.0	*1381.1*
15°	931.2	927.3	931.2	958.9	1010.2	1112.7	1282.4	1404.7	1467.9	1479.7	*1467.9*
17.5°	931.2	931.2	931.2	943.1	970.7	1041.7	1219.3	1444.2	1566.5	1570.5	*1574.4*
20°	954.9	951.0	954.9	962.8	974.6	1022.0	1156.2	1452.1	1649.4	1673.1	*1661.2*
22.5°	994.4	990.4	986.5	990.4	1002.3	1025.9	1144.3	1432.4	1732.3	1783.6	*1771.7*
25°	1065.4	1061.4	1053.6	1045.7	1041.7	1065.4	1152.2	1416.6	1830.9	1905.9	*1894.0*
27.5°	1152.2	1156.2	1140.4	1124.6	1108.8	1120.6	1187.7	1428.4	1909.8	2036.1	*2004.5*
30°	1282.4	1270.6	1258.7	1227.2	1203.5	1191.7	1250.9	1479.7	1992.7	2170.2	*2146.6*
32.5°	1424.5	1424.5	1404.7	1361.3	1314.0	1290.3	1333.7	1550.7	2063.7	2332.0	*2284.7*
35°	1657.3	1649.4	1617.8	1531.0	1460.0	1404.7	1440.3	1645.4	2166.3	2509.6	*2478.0*
37.5°	1937.4	1913.8	1870.4	1744.1	1633.6	1554.7	1578.4	1763.8	2276.8	2734.5	*2679.3*
40°	2174.2	2174.2	2126.8	1996.6	1846.7	1740.1	1736.2	1925.6	2422.8	3018.6	*2939.7*
42.5°	2454.4	2442.5	2379.4	2245.2	2091.3	1969.0	1933.5	2130.8	2639.8	3330.3	*3247.5*
45°	2734.5	2742.4	2663.5	2513.5	2336.0	2201.8	2170.2	2379.4	2896.3	3685.5	*3582.9*
47.5°	3054.1	3038.3	2998.9	2809.5	2608.2	2462.2	2458.3	2647.7	3192.2	4060.3	*3926.2*
50°	3440.8	3440.8	3389.5	3192.2	2951.5	2758.2	2714.8	2935.8	3496.1	4411.5	*4289.2*
52.5°	3606.6	3638.1	3693.4	3630.2	3389.5	3101.5	2994.9	3219.9	3784.1	4727.2	*4589.1*
55°	3460.6	3480.3	3713.1	3831.5	3870.9	3555.3	3263.3	3511.9	4064.3	4964.0	*4869.3*
57.5°	3038.3	3069.9	3354.0	3697.3	4013.0	4099.8	3697.3	3772.3	4305.0	5204.7	*5129.7*
60°	2126.8	2186.0	2576.7	3227.8	3799.9	4316.8	4577.3	4131.4	4541.7	5417.7	*5405.9*
62.5°	1262.7	1306.1	1515.2	2004.5	3054.1	4147.1	5287.5	5042.9	4790.3	5670.3	*5690.0*
65°	927.3	943.1	1152.2	1361.3	1657.3	3184.3	5488.8	6443.7	5042.9	5607.1	*5737.4*
67.5°	647.1	682.6	844.4	1104.9	1120.6	1491.6	4328.7	7027.7	6447.6	7039.5	*7307.8*
70°	449.8	469.6	611.6	856.3	891.8	722.1	2126.8	6483.1	8168.0	8925.6	*9130.8*
72.5°	*311.7*	*319.6*	*394.6*	*611.6*	*702.4*	*524.8*	*702.4*	*4060.3*	*7406.5*	*9486.0*	*9541.2*
75°	205.2	213.1	268.3	394.6	473.5	370.9	359.1	1538.9	4407.6	7118.4	*6901.4*
77.5°	149.9	153.9	193.3	276.2	295.9	248.6	244.6	465.6	1286.4	1696.7	*1657.3*
80°	110.5	118.4	130.2	177.6	201.2	157.8	146.0	197.3	299.9	303.8	*295.9*
82.5°	67.1	75.0	90.8	94.7	110.5	98.6	82.9	118.4	146.0	134.2	*126.3*
85°	23.7	23.7	35.5	47.4	47.4	39.5	39.5	55.2	63.1	55.2	*51.3*
87.5°	3.9	3.9	3.9	3.9	3.9	7.9	11.8	15.8	19.7	19.7	*23.7*
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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Scaled Data Report

REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9
2.5°	1171.9	1168.0	1168.0	1152.2	1148.3	1136.4	1124.6	1124.6	1116.7	1116.7	1112.7
5°	1199.6	1187.7	1168.0	1140.4	1116.7	1081.2	1061.4	1045.7	1033.8	1025.9	1033.8
7.5°	1239.0	1227.2	1187.7	1140.4	1089.1	1045.7	1006.2	974.6	958.9	954.9	954.9
10°	1298.2	1270.6	1215.3	1148.3	1065.4	986.5	951.0	935.2	927.3	927.3	923.3
12.5°	1357.4	1325.8	1250.9	1136.4	1002.3	939.1	923.3	923.3	927.3	931.2	935.2
15°	1432.4	1389.0	1282.4	1065.4	935.2	911.5	919.4	931.2	947.0	954.9	951.0
17.5°	1527.1	1460.0	1278.5	978.6	891.8	899.7	927.3	951.0	978.6	982.5	986.5
20°	1613.9	1519.2	1219.3	891.8	860.2	887.8	927.3	962.8	982.5	994.4	994.4
22.5°	1700.7	1594.1	1124.6	836.5	828.6	864.2	911.5	951.0	966.7	974.6	970.7
25°	1795.4	1641.5	1022.0	777.3	781.3	824.7	868.1	911.5	935.2	939.1	939.1
27.5°	1874.3	1677.0	911.5	722.1	737.9	777.3	816.8	856.3	876.0	887.8	899.7
30°	1965.1	1704.6	797.1	666.9	686.6	722.1	753.7	781.3	805.0	816.8	820.7
32.5°	2091.3	1720.4	706.3	623.5	643.2	674.8	694.5	710.3	722.1	714.2	714.2
35°	2213.7	1740.1	639.2	587.9	607.7	631.3	647.1	647.1	635.3	615.6	623.5
37.5°	2359.7	1755.9	591.9	564.3	591.9	607.7	599.8	595.8	595.8	576.1	580.0
40°	2525.4	1763.8	568.2	560.3	587.9	591.9	576.1	576.1	595.8	576.1	576.1
42.5°	2746.4	1799.3	556.4	568.2	591.9	584.0	556.4	560.3	576.1	536.6	532.7
45°	2975.2	1811.2	556.4	576.1	595.8	580.0	536.6	532.7	536.6	501.1	497.2
47.5°	3231.7	1882.2	576.1	584.0	595.8	568.2	520.9	516.9	509.0	485.3	481.4
50°	3456.6	1973.0	619.5	584.0	572.2	544.5	516.9	509.0	489.3	449.8	445.9
52.5°	3705.2	2115.0	686.6	572.2	528.8	516.9	513.0	497.2	461.7	441.9	438.0
55°	3977.5	2343.9	741.8	548.5	485.3	501.1	513.0	465.6	422.2	406.4	398.5
57.5°	4249.7	2572.7	757.6	509.0	445.9	489.3	473.5	414.3	398.5	386.7	378.8
60°	4533.8	2821.3	730.0	445.9	418.3	469.6	422.2	398.5	378.8	359.1	359.1
62.5°	4810.1	3062.0	635.3	374.9	402.5	426.2	398.5	374.9	351.2	335.4	335.4
65°	4916.6	3275.1	485.3	331.5	370.9	378.8	367.0	347.2	323.6	307.8	307.8
67.5°	6487.1	4597.0	343.3	299.9	319.6	339.3	339.3	319.6	292.0	276.2	272.3
70°	7883.9	5208.6	272.3	260.4	280.2	292.0	303.8	280.2	256.5	244.6	244.6
72.5°	*7777.4*	*4230.0*	*228.9*	*217.0*	*228.9*	*252.5*	*252.5*	*248.6*	*228.9*	*217.0*	*213.1*
75°	5488.8	2383.3	185.5	181.5	189.4	193.3	217.0	217.0	197.3	189.4	181.5
77.5°	1191.7	485.3	134.2	138.1	142.1	157.8	173.6	181.5	169.7	185.5	161.8
80°	228.9	157.8	98.6	94.7	94.7	114.4	134.2	138.1	126.3	134.2	110.5
82.5°	106.5	86.8	63.1	59.2	55.2	71.0	86.8	90.8	86.8	75.0	71.0
85°	43.4	39.5	31.6	31.6	27.6	31.6	39.5	39.5	31.6	31.6	31.6
87.5°	19.7	15.8	11.8	7.9	3.9	3.9	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

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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

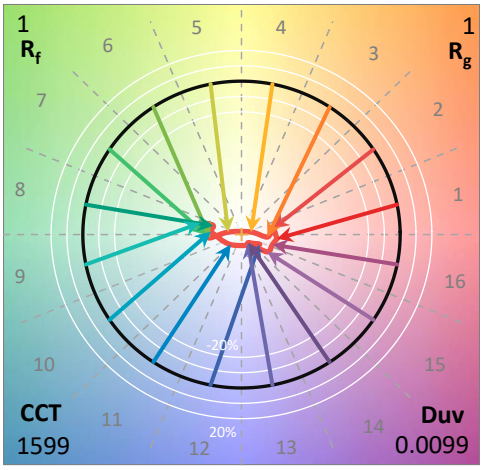
Test Information

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

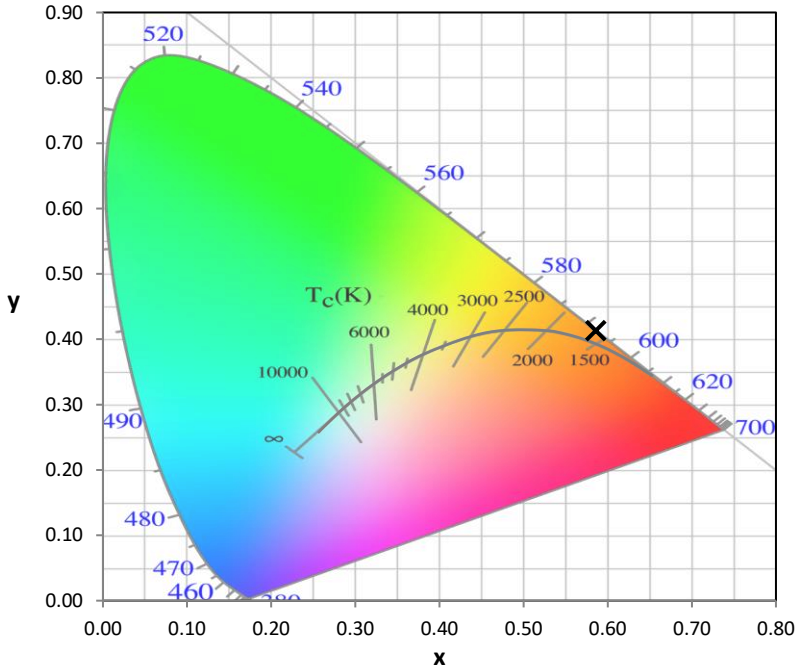
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

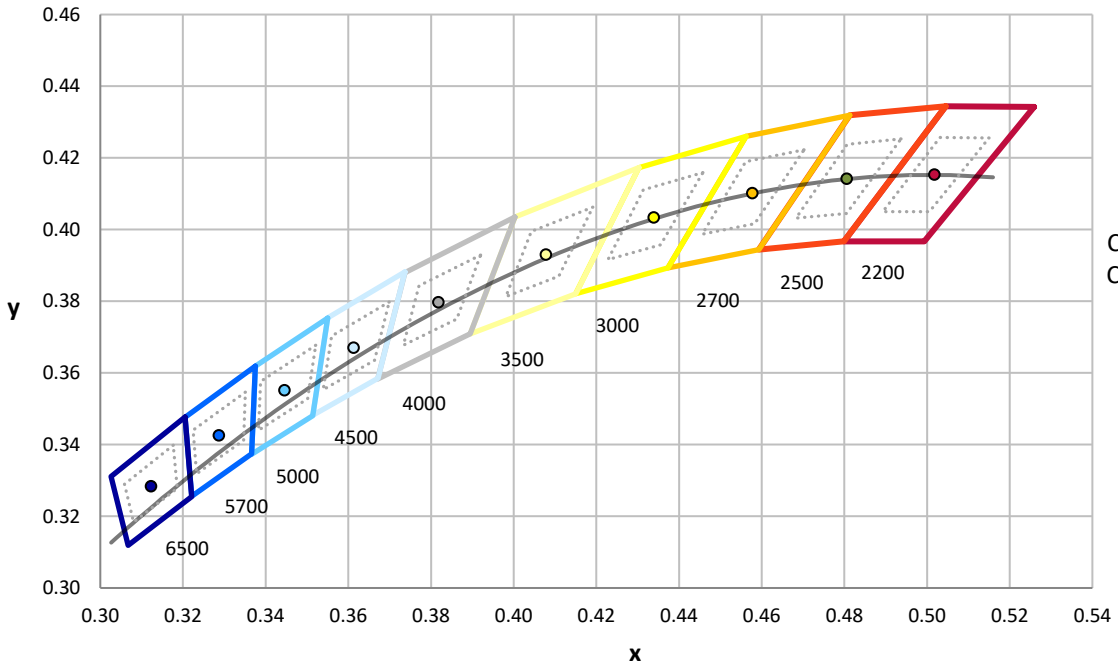
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024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

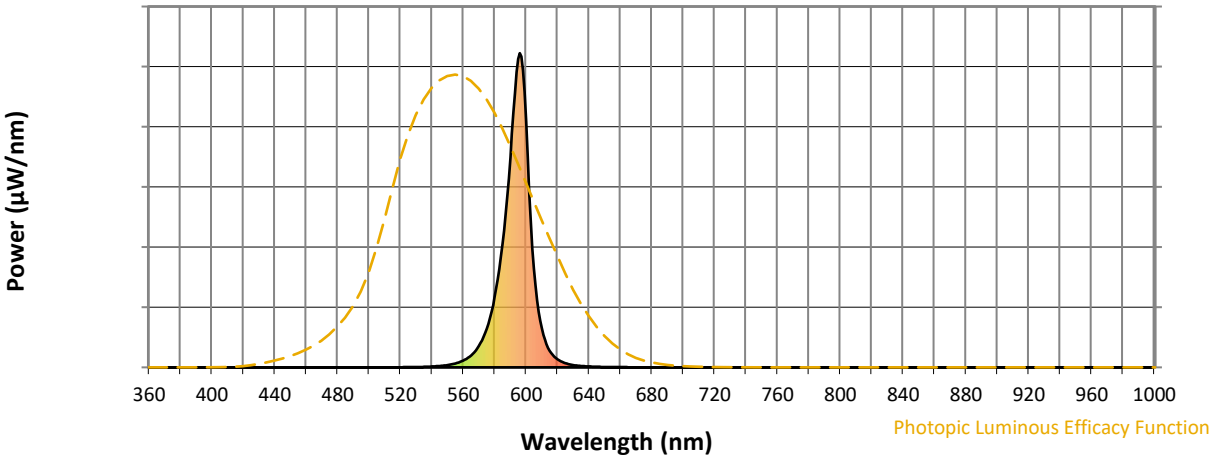


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

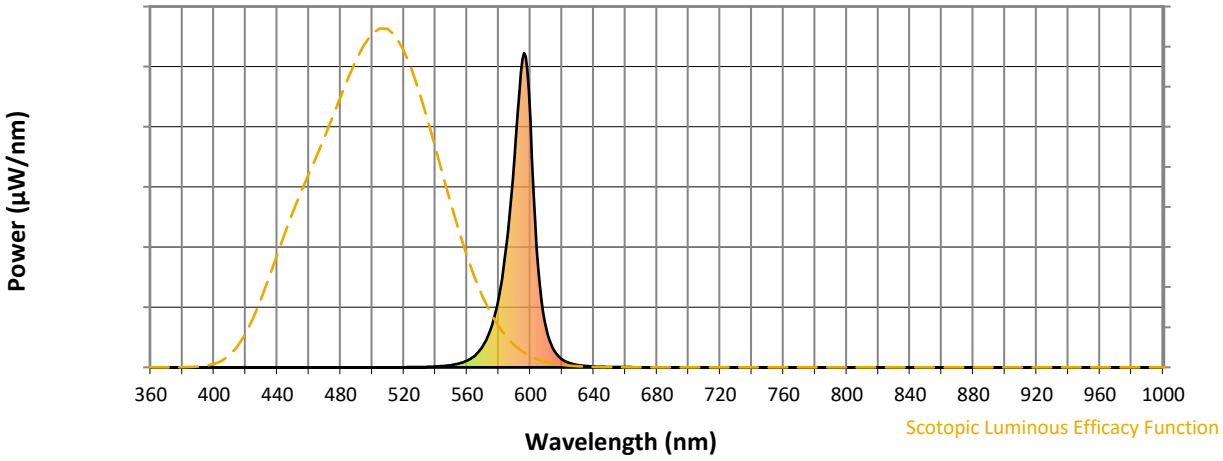


Photopic Lumens: NR

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

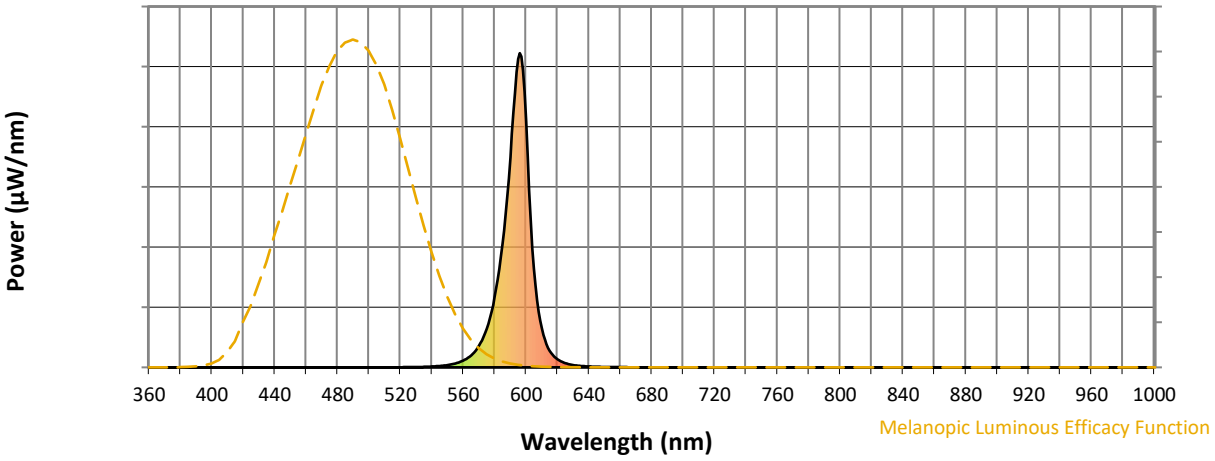


Scotopic Lumens: NR **S/P: 0.23**

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			

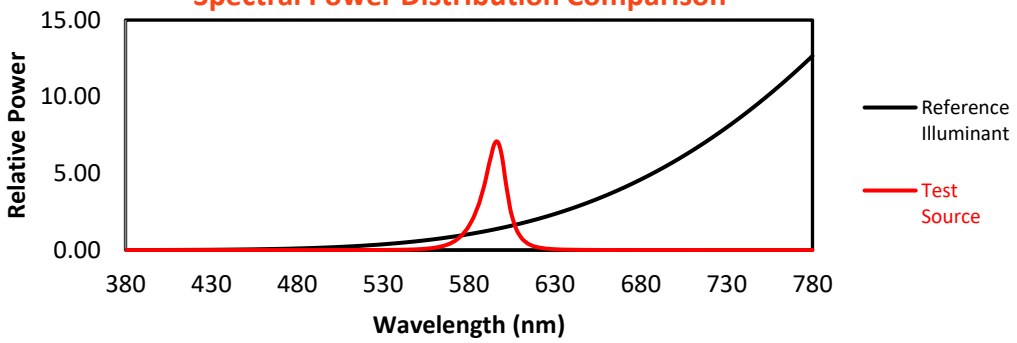
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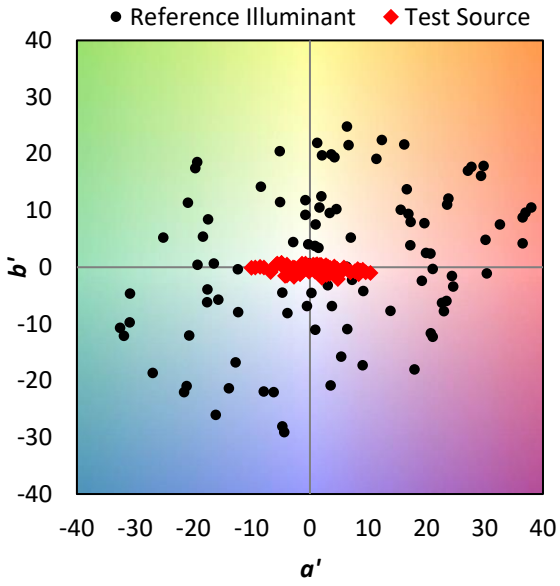
Summary

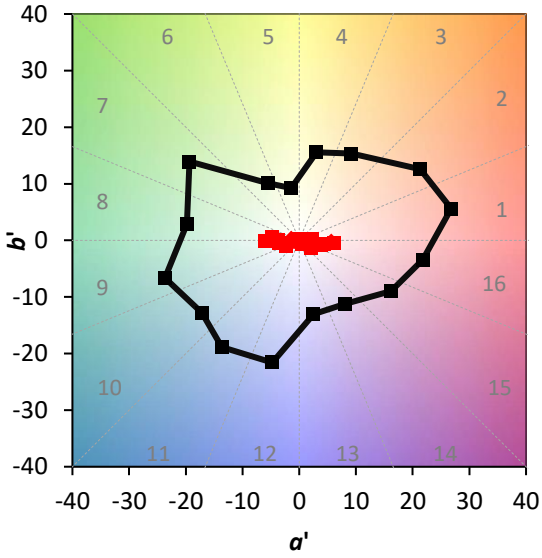
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R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

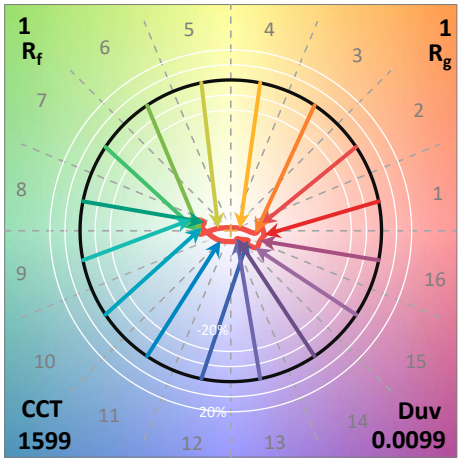
Spectral Power Distribution Comparison

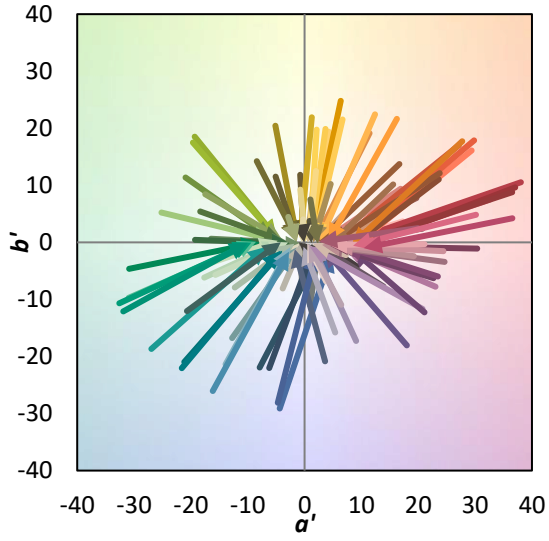


Color Vector Graphics







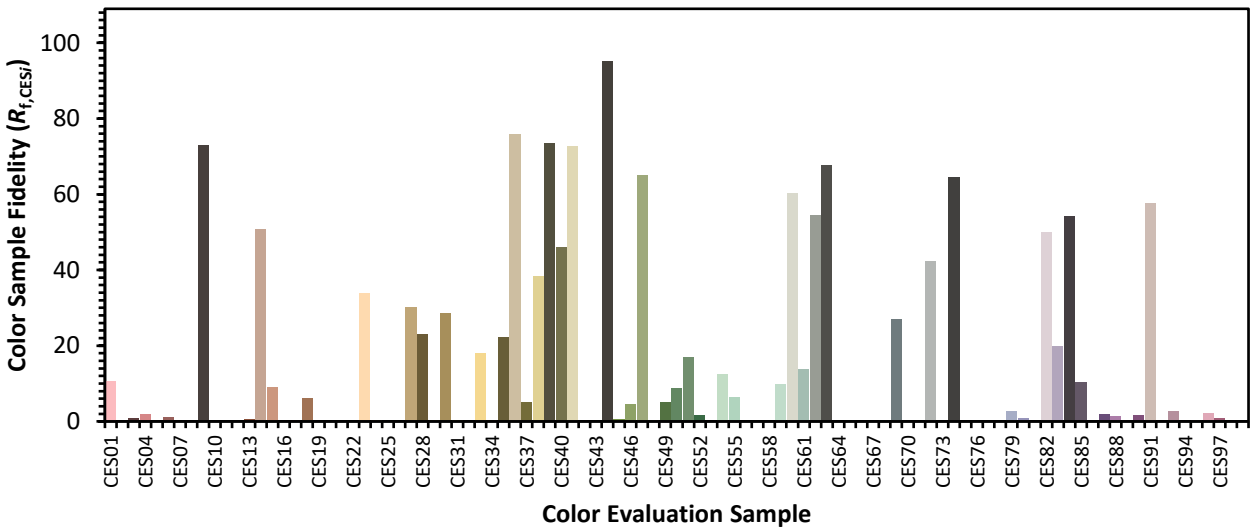


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Individual Sample Fidelity Index ($R_{f,i}$)

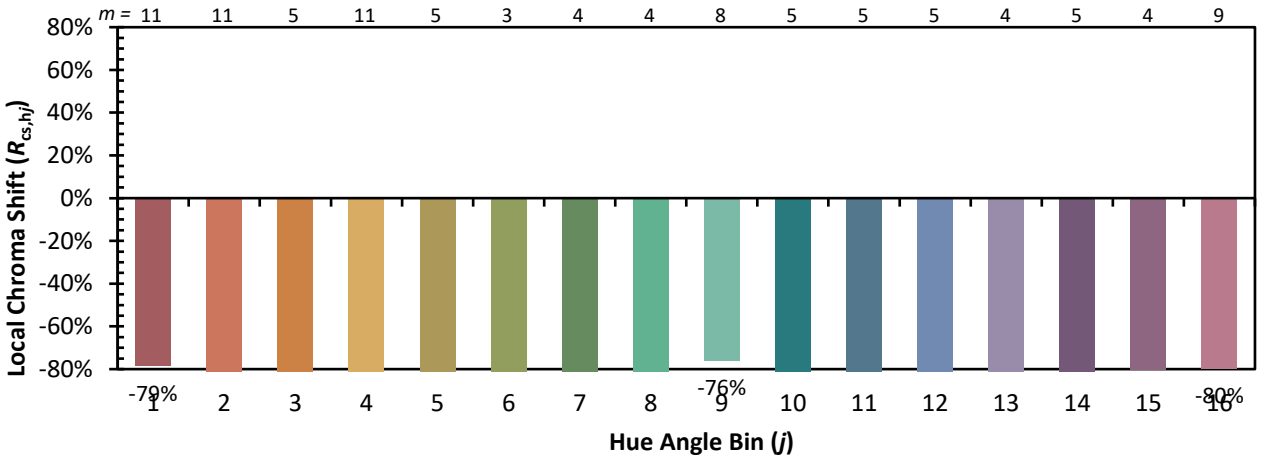
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 = 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	

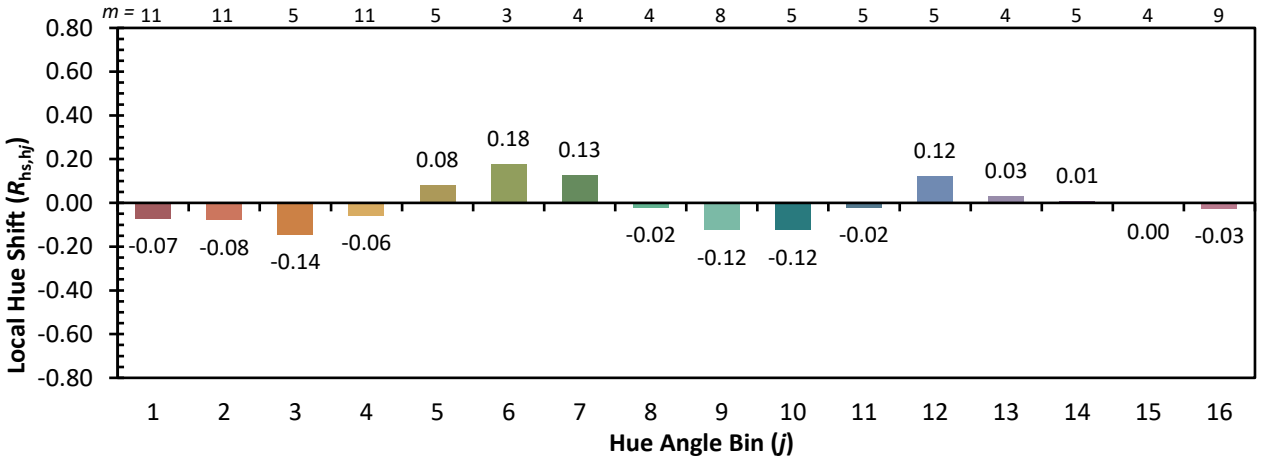


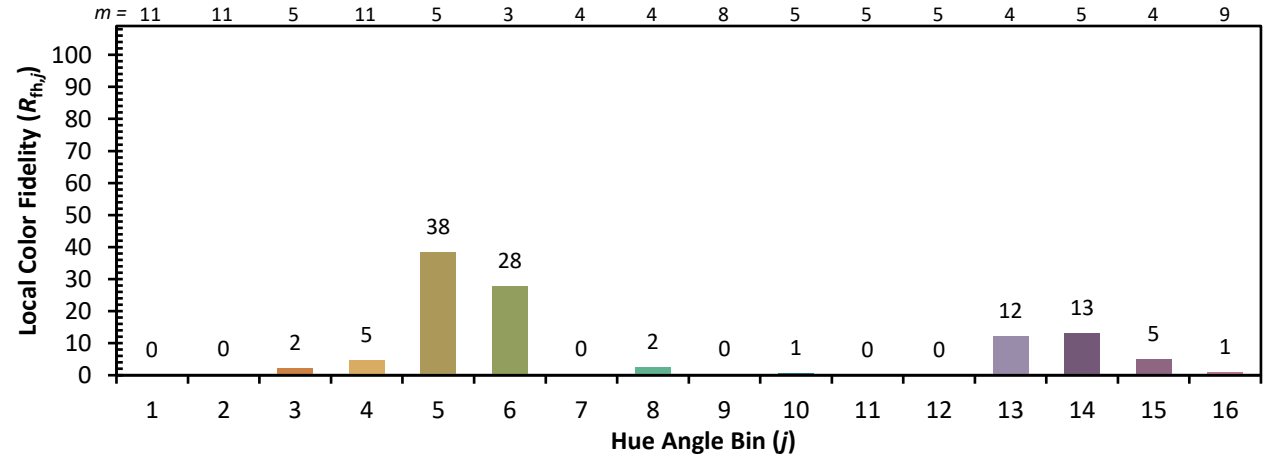
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Color Rendition by Hue-Angle Bin



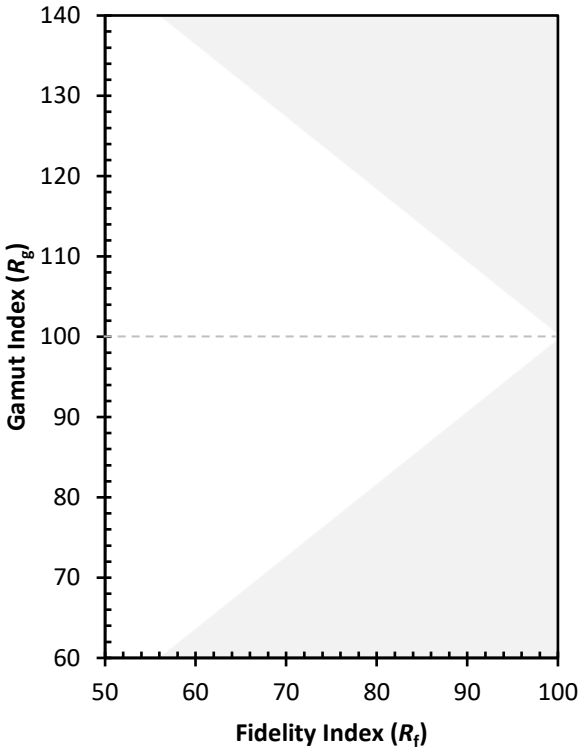


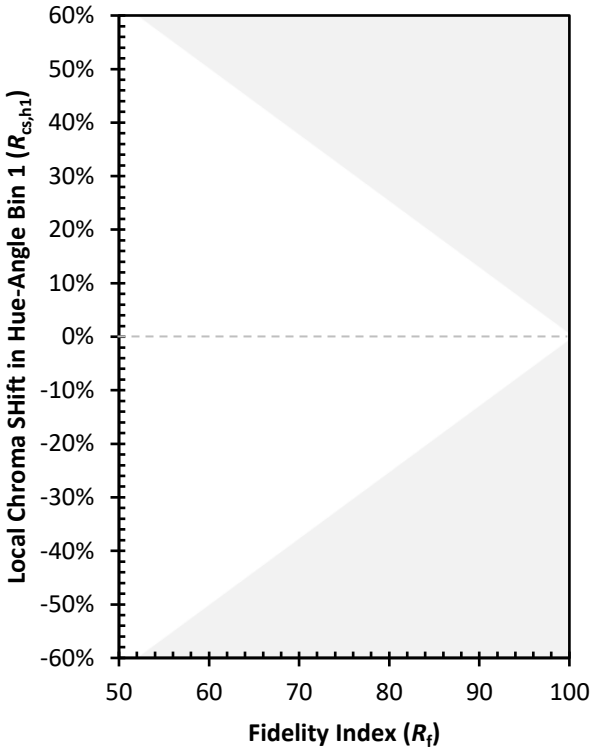


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Measure Comparisons





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