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-T4FT-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-T4FT-HSS
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 4SQUARE 130W 1590K FIXTURE w/ T4 FORWARD THROW 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:	6080.8 lumens
Efficiency:	N/A
Efficacy:	46.7 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

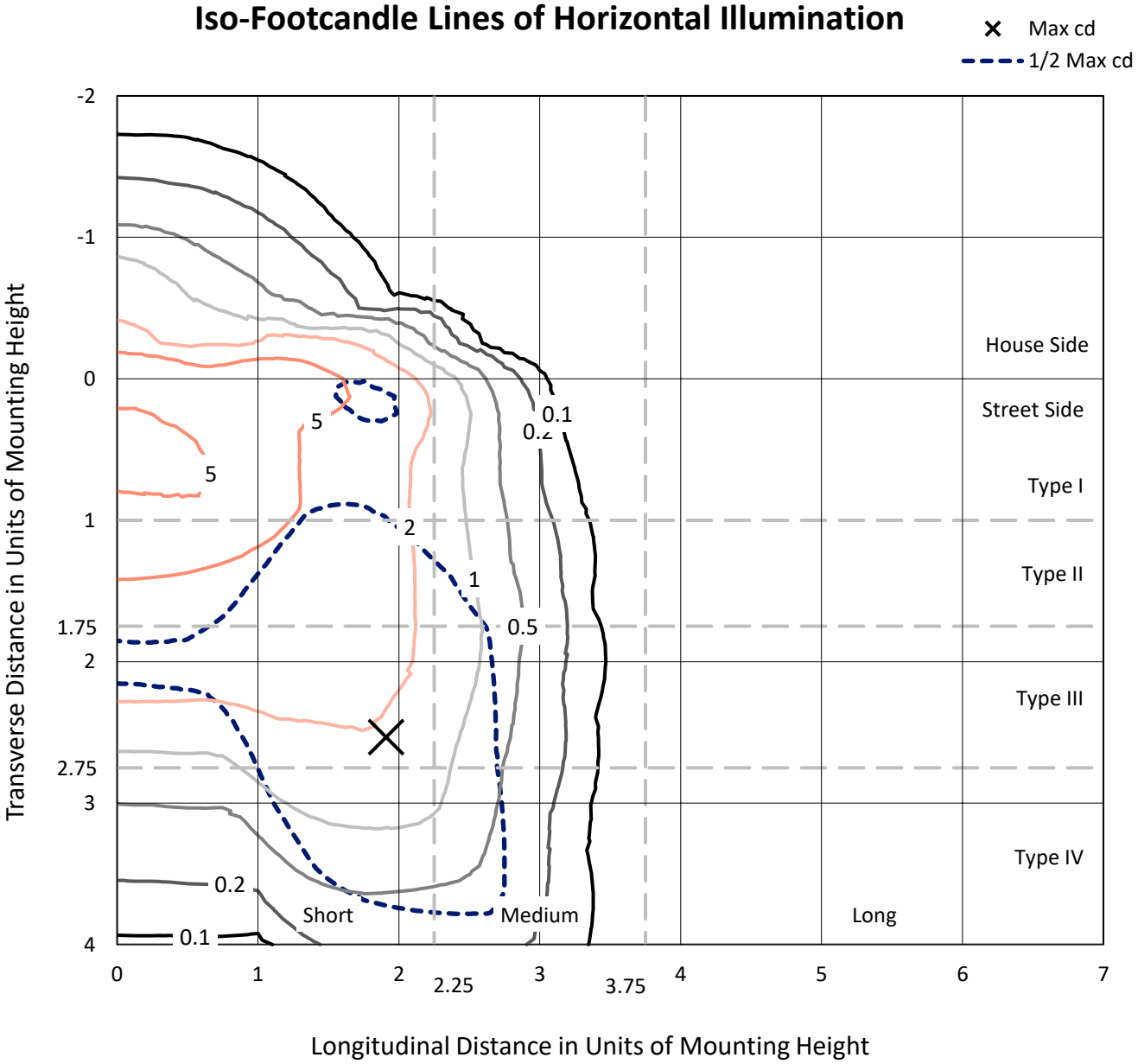


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REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



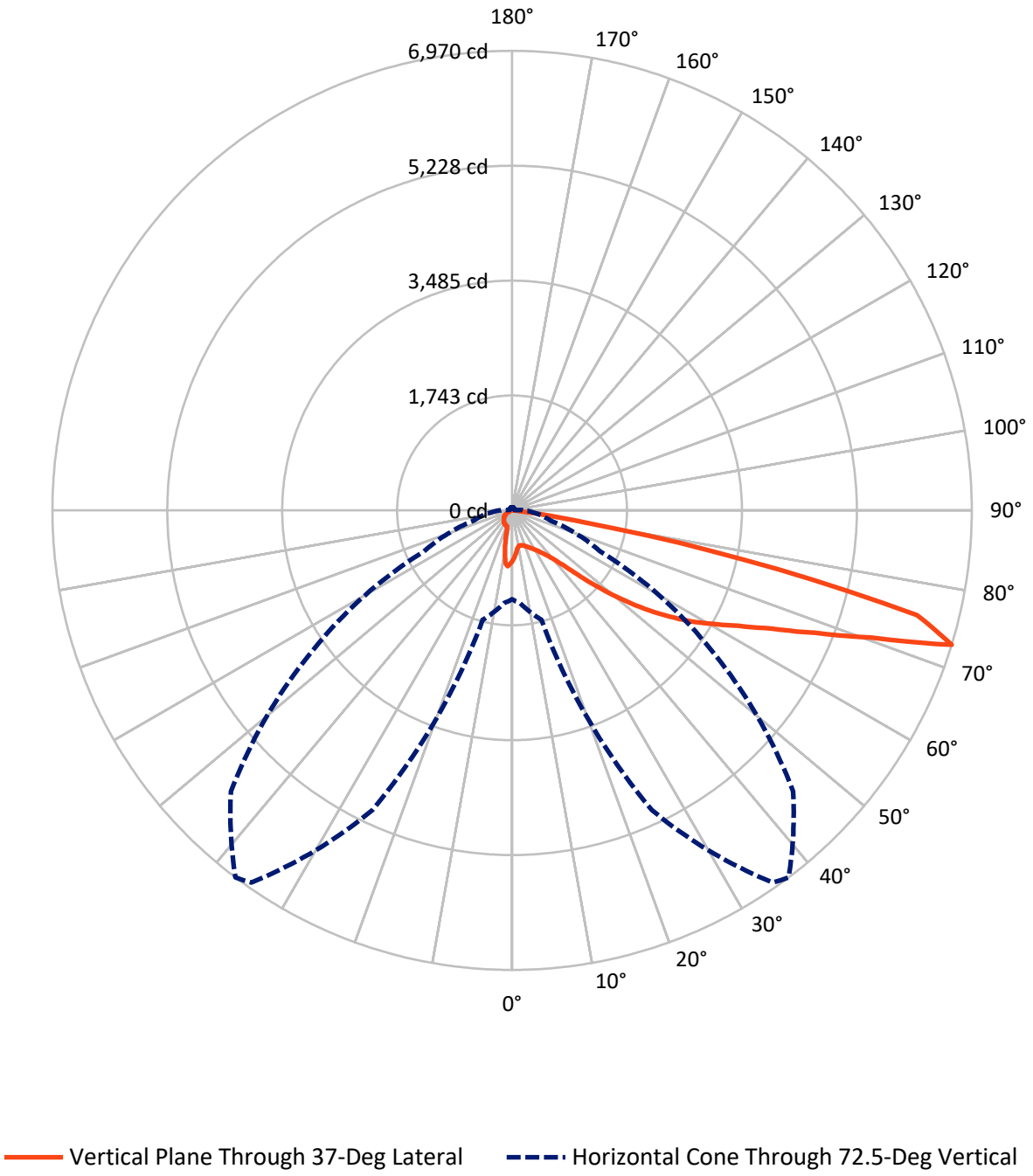
Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
Type IV - Short - N/A

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REPORT NUMBER: P1704731
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Luminous Intensity Polar Plot



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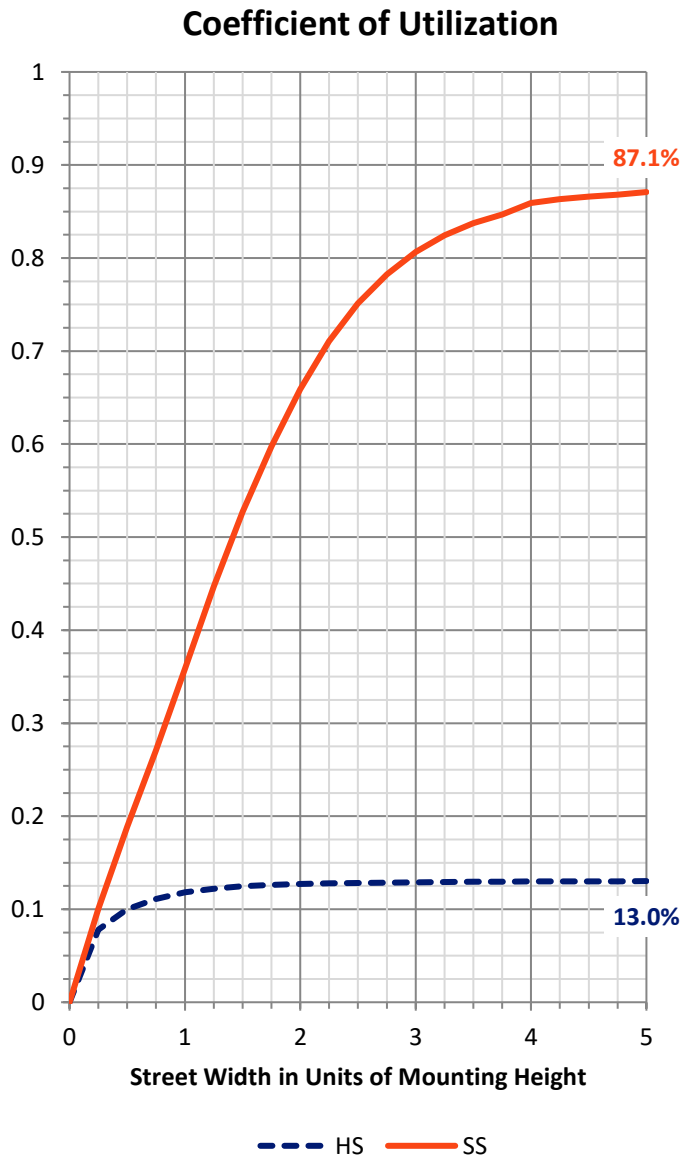
REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	799.7	0.0	799.7
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	5281.0	0.0	5281.0
	% Fixture	86.8	0.0	86.8
Total	Lumens	6080.8	0.0	6080.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.1
10°-20°	158.2	2.6
20°-30°	248.6	4.1
30°-40°	400.6	6.6
40°-50°	795.2	13.1
50°-60°	1435.4	23.6
60°-70°	1872.0	30.8
70°-80°	1060.6	17.4
80°-90°	42.1	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°	6080.8	100.0
0°-180°	6080.8	100.0



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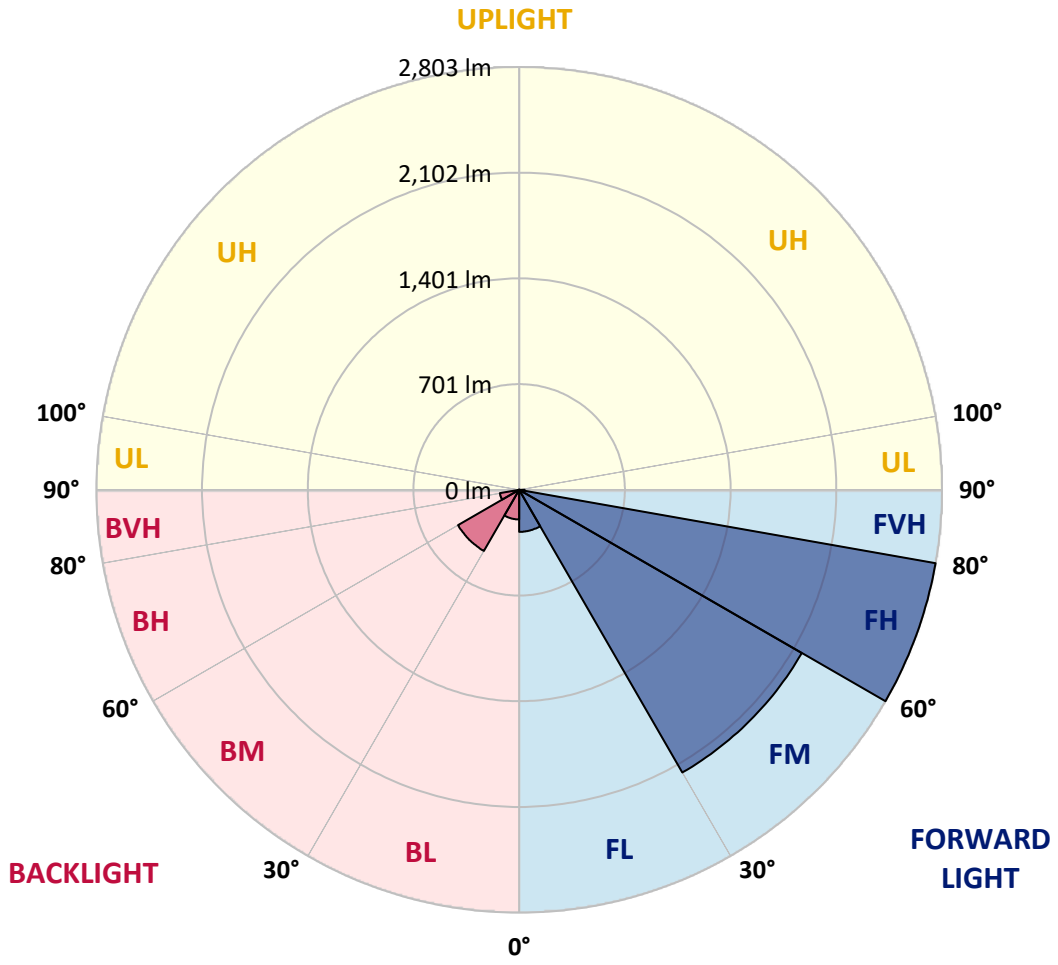
Scaled Data Report

REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	278.5	4.6			
FM	(30°-60°)	2163.4	35.6			
FH	(60°-80°)	2802.8	46.1			G2/5000
FVH	(80°-90°)	36.4	0.6			G1/100
BL	(0°-30°)	196.4	3.2	B1/500		
BM	(30°-60°)	467.8	7.7	B1/1000		
BH	(60°-80°)	129.8	2.1	B1/500		G1/500
BVH	(80°-90°)	5.7	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°	37°	45°	55°	65°	75°	85°
0°	765.3	765.3	765.3	765.3	765.3	*765.3*	765.3	765.3	765.3	765.3	765.3
2.5°	706.1	706.1	706.1	706.1	714.0	*710.0*	717.9	729.8	737.7	749.5	761.3
5°	611.4	611.4	611.4	619.3	635.1	*639.0*	654.8	670.6	698.2	725.8	757.4
7.5°	552.3	548.3	552.3	560.1	579.9	*583.8*	599.6	631.2	666.7	706.1	749.5
10°	524.6	520.7	524.6	532.5	548.3	*552.3*	572.0	603.5	646.9	698.2	753.4
12.5°	516.8	520.7	520.7	524.6	540.4	*544.4*	564.1	599.6	643.0	698.2	753.4
15°	528.6	524.6	524.6	528.6	544.4	*548.3*	568.0	603.5	646.9	706.1	773.2
17.5°	544.4	540.4	536.5	540.4	556.2	*560.1*	583.8	623.3	662.7	717.9	785.0
20°	560.1	564.1	556.2	556.2	575.9	*579.9*	599.6	639.0	690.3	733.7	804.7
22.5°	587.8	587.8	575.9	575.9	599.6	*599.6*	627.2	666.7	710.0	757.4	828.4
25°	619.3	615.4	603.5	603.5	623.3	*627.2*	658.8	698.2	741.6	781.1	859.9
27.5°	650.9	650.9	635.1	635.1	650.9	*654.8*	694.3	745.6	777.1	808.7	899.4
30°	674.5	670.6	662.7	662.7	690.3	*694.3*	733.7	792.9	824.4	852.1	946.7
32.5°	698.2	694.3	694.3	694.3	729.8	*737.7*	788.9	852.1	891.5	915.2	1009.8
35°	737.7	729.8	729.8	741.6	785.0	*796.8*	859.9	934.9	982.2	986.2	1088.7
37.5°	883.6	867.8	816.6	808.7	856.0	*867.8*	946.7	1049.3	1100.6	1088.7	1199.2
40°	1262.3	1218.9	1076.9	958.6	958.6	*974.3*	1057.2	1195.2	1250.5	1215.0	1333.3
42.5°	1644.9	1601.6	1447.7	1238.6	1132.1	*1132.1*	1230.7	1380.6	1428.0	1376.7	1506.9
45°	1869.8	1842.2	1719.9	1577.9	1396.4	*1376.7*	1431.9	1593.7	1633.1	1550.3	1723.8
47.5°	2015.7	2003.9	1917.1	1865.8	1727.8	*1708.1*	1719.9	1881.6	1881.6	1751.5	1992.1
50°	2240.6	2232.7	2169.6	2149.9	2090.7	*2067.0*	2086.8	2205.1	2122.3	1988.1	2307.7
52.5°	2461.5	2457.6	2422.1	2469.4	2433.9	*2437.8*	2485.2	2548.3	2394.4	2260.3	2662.7
55°	2603.5	2611.4	2678.5	2757.4	2820.5	*2808.6*	2871.7	2895.4	2643.0	2485.2	3100.5
57.5°	2891.5	2856.0	2883.6	3009.8	3147.9	*3167.6*	3238.6	3266.2	2891.5	2737.6	3491.1
60°	3179.4	3128.2	3151.8	3270.2	3483.2	*3495.0*	3641.0	3625.2	3084.8	2958.5	3814.5
62.5°	3570.0	3530.5	3451.6	3558.1	3806.6	*3854.0*	4059.1	3972.3	3274.1	2978.3	3743.5
65°	3510.8	3526.6	3739.6	3988.1	4276.1	*4319.5*	4548.3	4295.8	3191.3	2694.2	3333.3
67.5°	2694.2	2761.3	3175.5	4295.8	4923.0	*4958.5*	5187.3	4327.3	2942.8	2327.4	2489.1
70°	2019.7	2047.3	2426.0	4639.0	5664.6	*5775.1*	6007.8	4173.5	2524.6	1443.8	1073.0
72.5°	*1349.1*	*1412.2*	*1715.9*	*5013.7*	*6891.4*	*6970.3*	*6027.5*	*3672.5*	*1475.3*	*603.5*	*311.6*
75°	844.2	863.9	1065.1	4414.1	6532.4	*6343.1*	3676.5	1455.6	528.6	272.2	126.2
77.5°	236.7	256.4	319.5	2256.4	3715.9	*3581.8*	1325.4	252.5	236.7	173.6	74.9
80°	51.3	59.2	98.6	386.6	1088.7	*1128.2*	303.7	126.2	142.0	122.3	51.3
82.5°	23.7	27.6	59.2	126.2	209.1	*205.1*	86.8	74.9	94.7	74.9	27.6
85°	11.8	11.8	31.6	51.3	59.2	*55.2*	35.5	27.6	47.3	43.4	19.7
87.5°	0.0	3.9	3.9	7.9	7.9	*7.9*	7.9	7.9	11.8	7.9	3.9
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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Scaled Data Report

REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	765.3	765.3	765.3	765.3	765.3	765.3	765.3	765.3	765.3	765.3	765.3
2.5°	765.3	769.2	781.1	785.0	796.8	808.7	812.6	816.6	816.6	820.5	820.5
5°	765.3	781.1	804.7	816.6	832.3	844.2	852.1	848.1	848.1	848.1	844.2
7.5°	765.3	785.0	816.6	832.3	848.1	828.4	804.7	765.3	737.7	729.8	729.8
10°	773.2	796.8	828.4	844.2	800.8	721.9	643.0	583.8	532.5	512.8	520.7
12.5°	785.0	808.7	844.2	812.6	690.3	568.0	457.6	366.9	323.5	303.7	303.7
15°	804.7	832.3	859.9	749.5	556.2	390.5	291.9	268.2	264.3	268.2	264.3
17.5°	820.5	848.1	844.2	635.1	418.1	268.2	256.4	256.4	260.4	260.4	260.4
20°	844.2	871.8	820.5	524.6	280.1	248.5	248.5	252.5	252.5	256.4	256.4
22.5°	871.8	899.4	765.3	406.3	240.6	240.6	244.6	248.5	248.5	252.5	252.5
25°	903.3	934.9	698.2	295.9	232.7	236.7	240.6	244.6	248.5	248.5	248.5
27.5°	954.6	982.2	631.2	232.7	224.8	228.8	236.7	244.6	248.5	248.5	244.6
30°	1009.8	1041.4	564.1	224.8	217.0	224.8	232.7	244.6	248.5	244.6	244.6
32.5°	1080.9	1112.4	497.0	228.8	217.0	213.0	224.8	240.6	248.5	244.6	244.6
35°	1179.5	1191.3	449.7	252.5	228.8	209.1	217.0	232.7	244.6	244.6	244.6
37.5°	1309.6	1289.9	426.0	272.2	236.7	201.2	205.1	217.0	232.7	244.6	244.6
40°	1499.0	1435.9	418.1	288.0	232.7	193.3	193.3	201.2	217.0	236.7	240.6
42.5°	1712.0	1593.7	422.1	288.0	220.9	189.3	185.4	189.3	201.2	213.0	217.0
45°	1952.6	1798.8	469.4	272.2	209.1	181.5	173.6	177.5	181.5	189.3	185.4
47.5°	2232.7	2000.0	552.3	240.6	201.2	177.5	165.7	165.7	161.7	157.8	157.8
50°	2560.1	2177.5	591.7	217.0	193.3	165.7	157.8	149.9	138.1	138.1	134.1
52.5°	2895.4	2358.9	524.6	201.2	181.5	157.8	142.0	134.1	122.3	118.3	118.3
55°	3187.3	2449.7	390.5	189.3	165.7	142.0	126.2	118.3	106.5	102.6	102.6
57.5°	3376.7	2390.5	268.2	173.6	142.0	126.2	114.4	102.6	94.7	90.7	90.7
60°	3420.1	2157.8	189.3	149.9	118.3	110.5	102.6	90.7	86.8	78.9	78.9
62.5°	3072.9	1672.6	138.1	122.3	98.6	94.7	86.8	78.9	74.9	67.1	67.1
65°	2516.7	1029.6	102.6	90.7	82.8	74.9	74.9	71.0	63.1	55.2	55.2
67.5°	1759.3	402.4	67.1	63.1	67.1	63.1	63.1	59.2	55.2	47.3	47.3
70°	710.0	102.6	51.3	47.3	51.3	47.3	51.3	55.2	47.3	43.4	39.4
72.5°	*193.3*	*51.3*	*39.4*	*35.5*	*39.4*	*35.5*	*43.4*	*47.3*	*39.4*	*35.5*	*35.5*
75°	90.7	39.4	31.6	31.6	27.6	27.6	35.5	35.5	35.5	31.6	27.6
77.5°	55.2	27.6	23.7	19.7	19.7	23.7	27.6	31.6	27.6	23.7	23.7
80°	35.5	19.7	15.8	15.8	15.8	19.7	23.7	23.7	19.7	19.7	19.7
82.5°	19.7	15.8	11.8	11.8	11.8	15.8	15.8	15.8	19.7	15.8	15.8
85°	7.9	7.9	7.9	7.9	7.9	7.9	11.8	11.8	15.8	15.8	15.8
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	7.9	7.9	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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Peachtree City, GA 30269

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

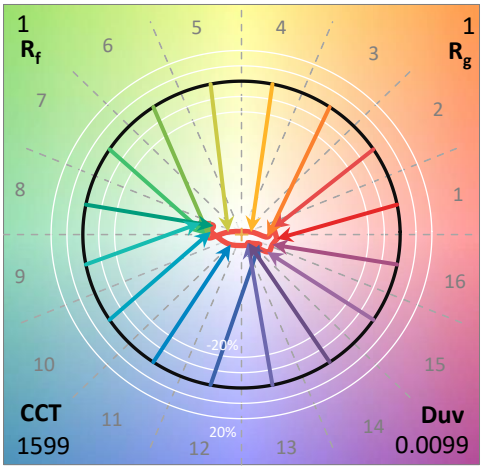
Test Information

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

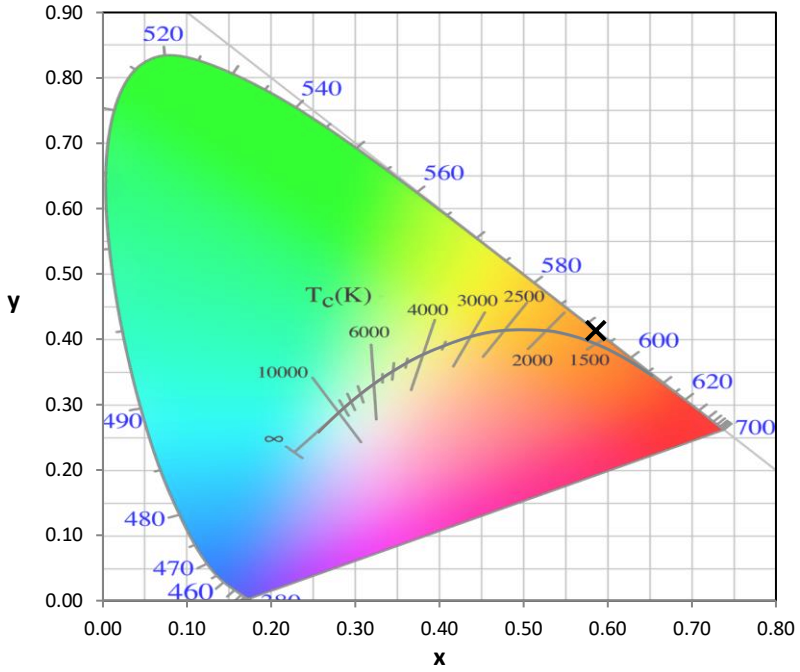
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

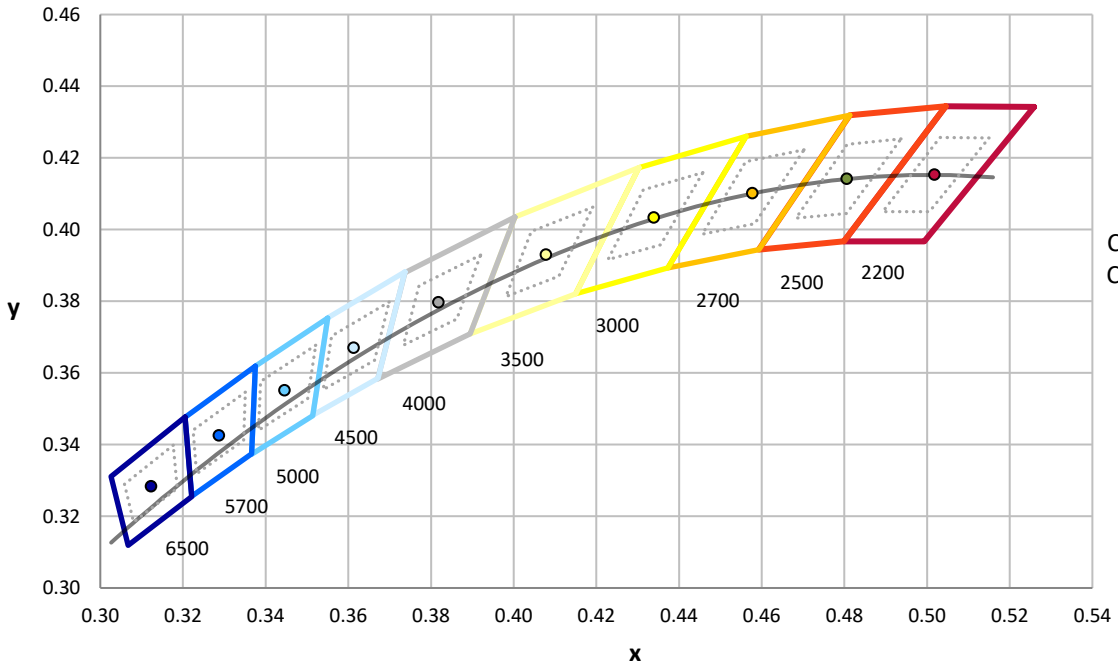
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024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

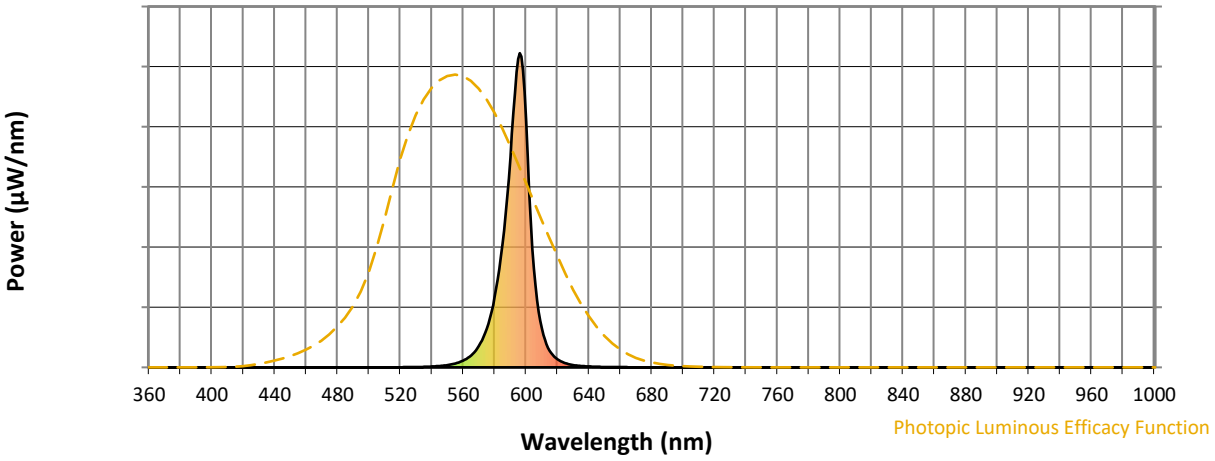


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

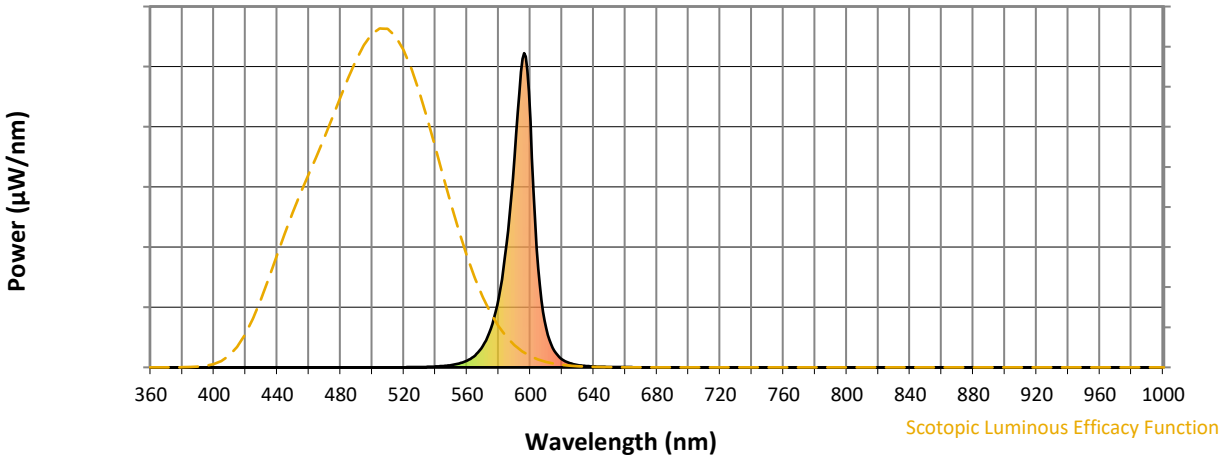


Photopic Lumens: NR

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

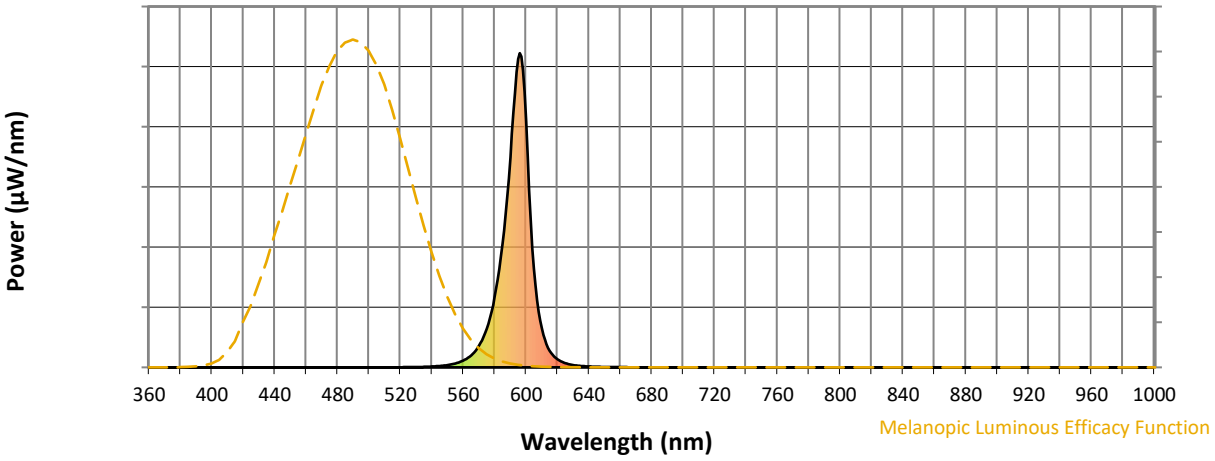


Scotopic Lumens: NR **S/P: 0.23**

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			

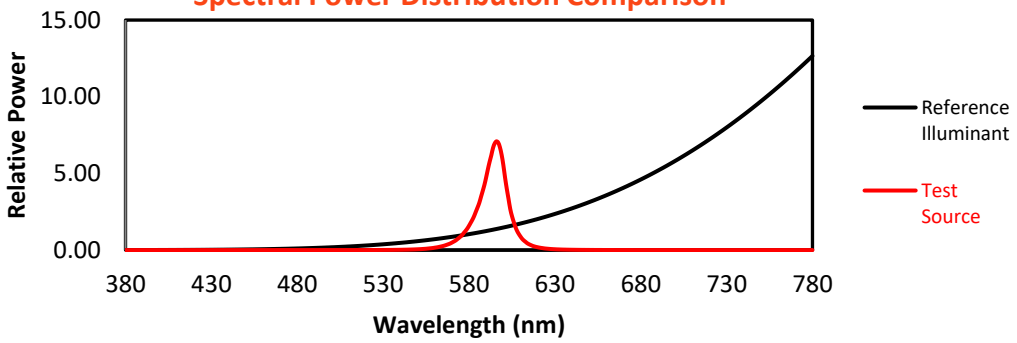
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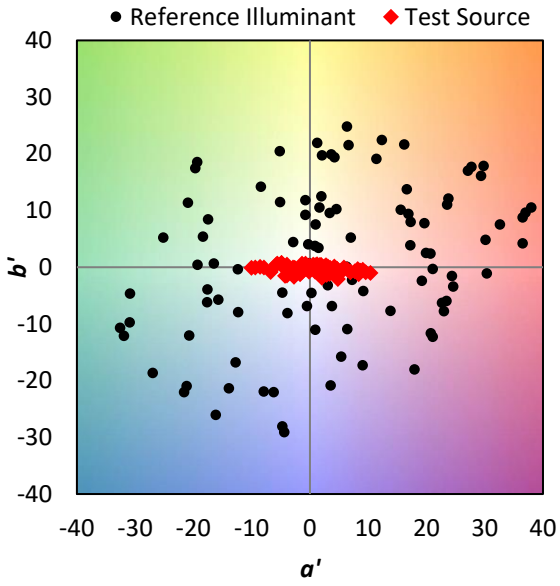
Summary

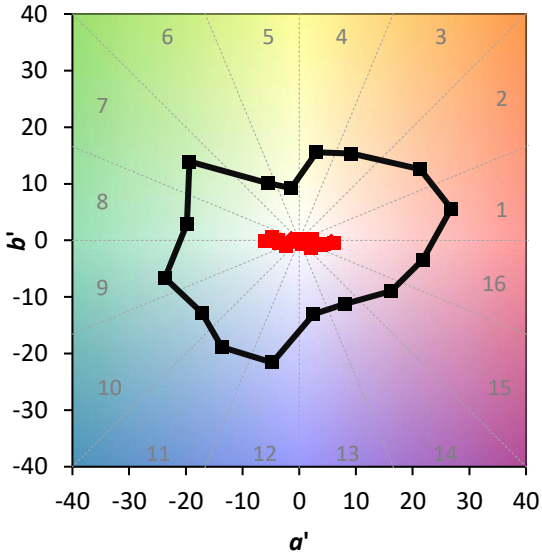
R_f = 1.2
R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

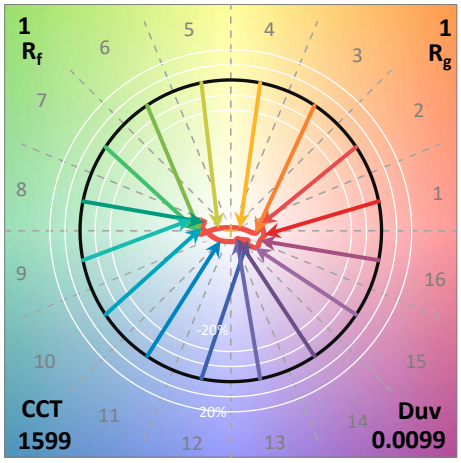
Spectral Power Distribution Comparison

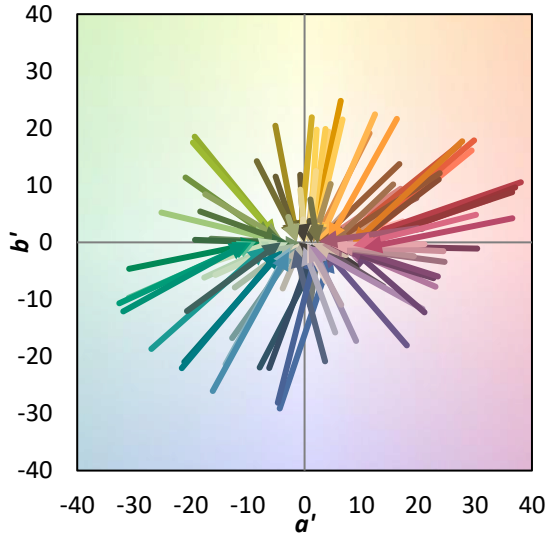


Color Vector Graphics







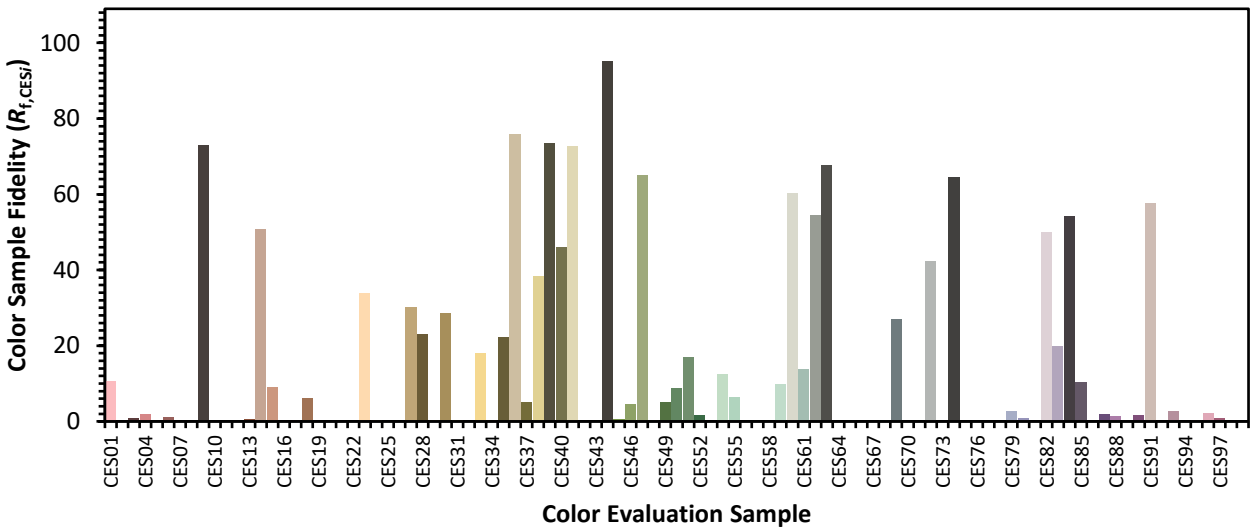


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Individual Sample Fidelity Index ($R_{f,i}$)

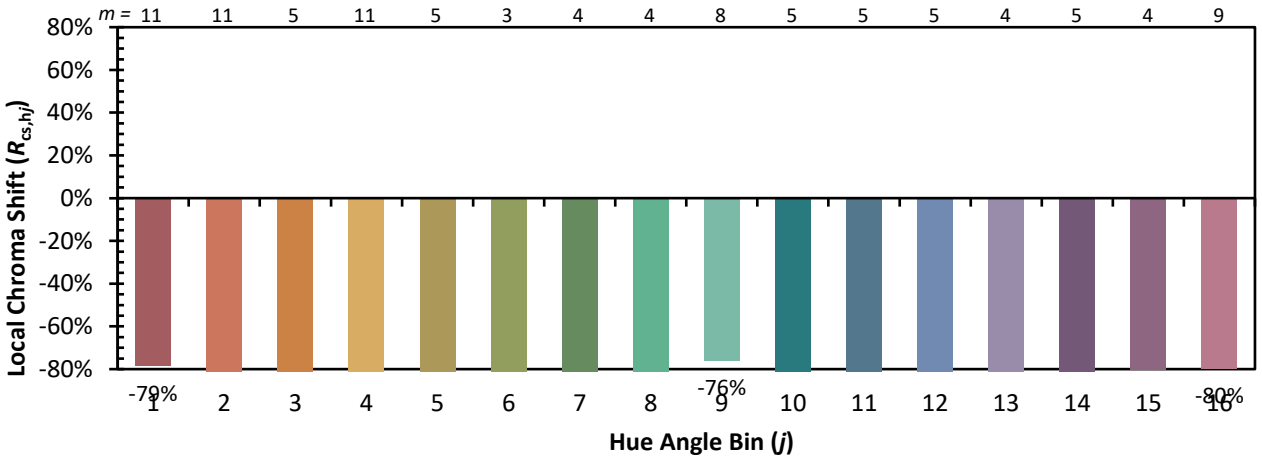
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 =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

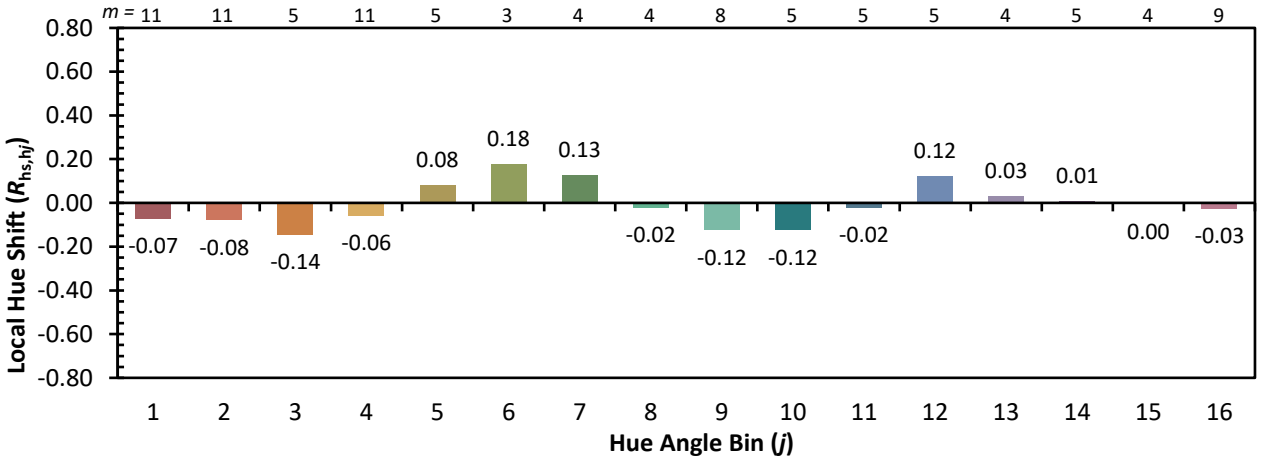


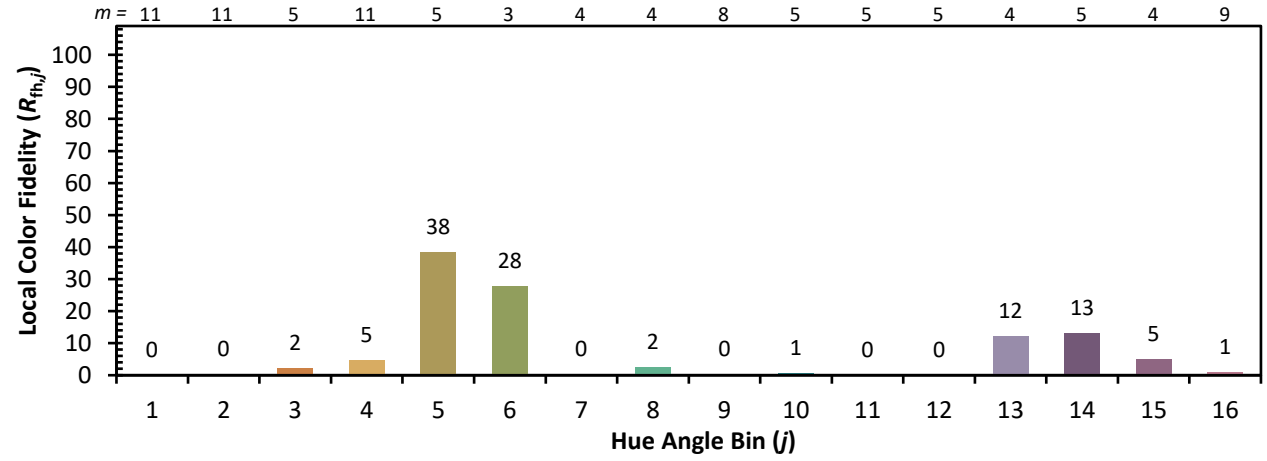
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Color Rendition by Hue-Angle Bin



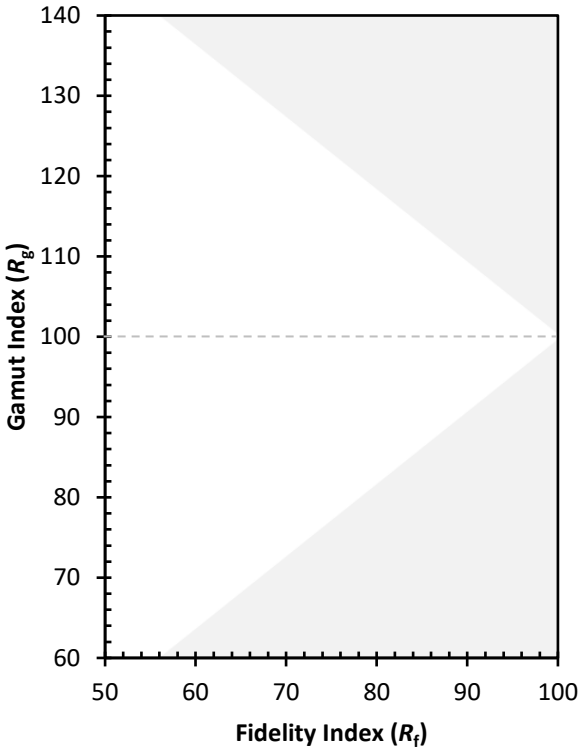


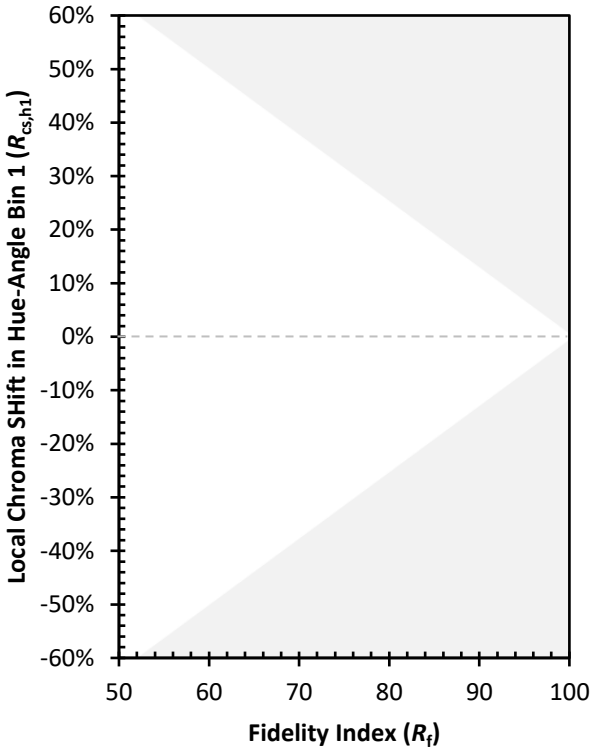


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Measure Comparisons





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