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-T3R-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-T3R-HSS
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 4SQUARE 130W 1590K FIXTURE w/ T3 ROADWAY 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:	6729.2 lumens
Efficiency:	N/A
Efficacy:	51.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Medium
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

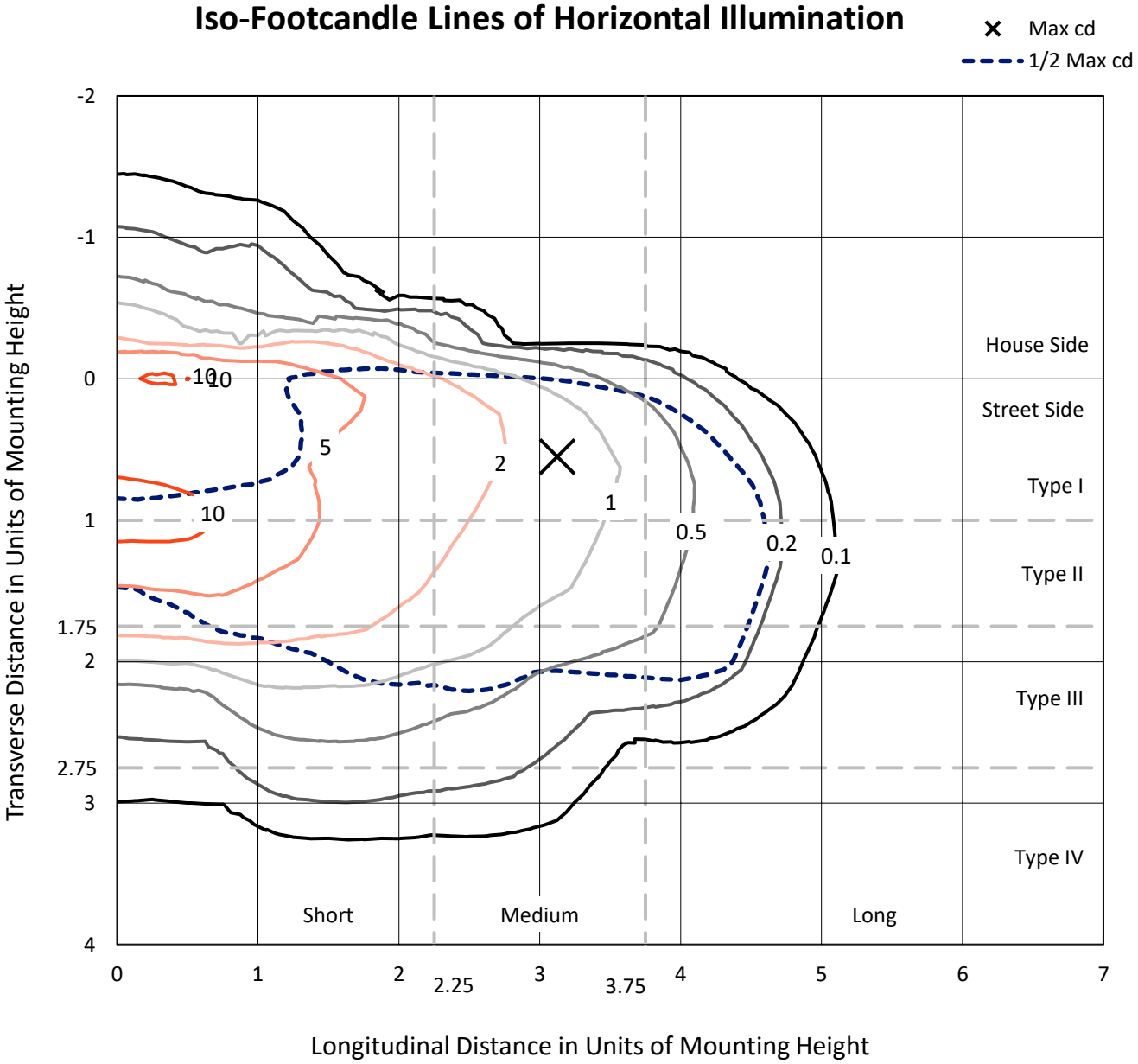


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REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination



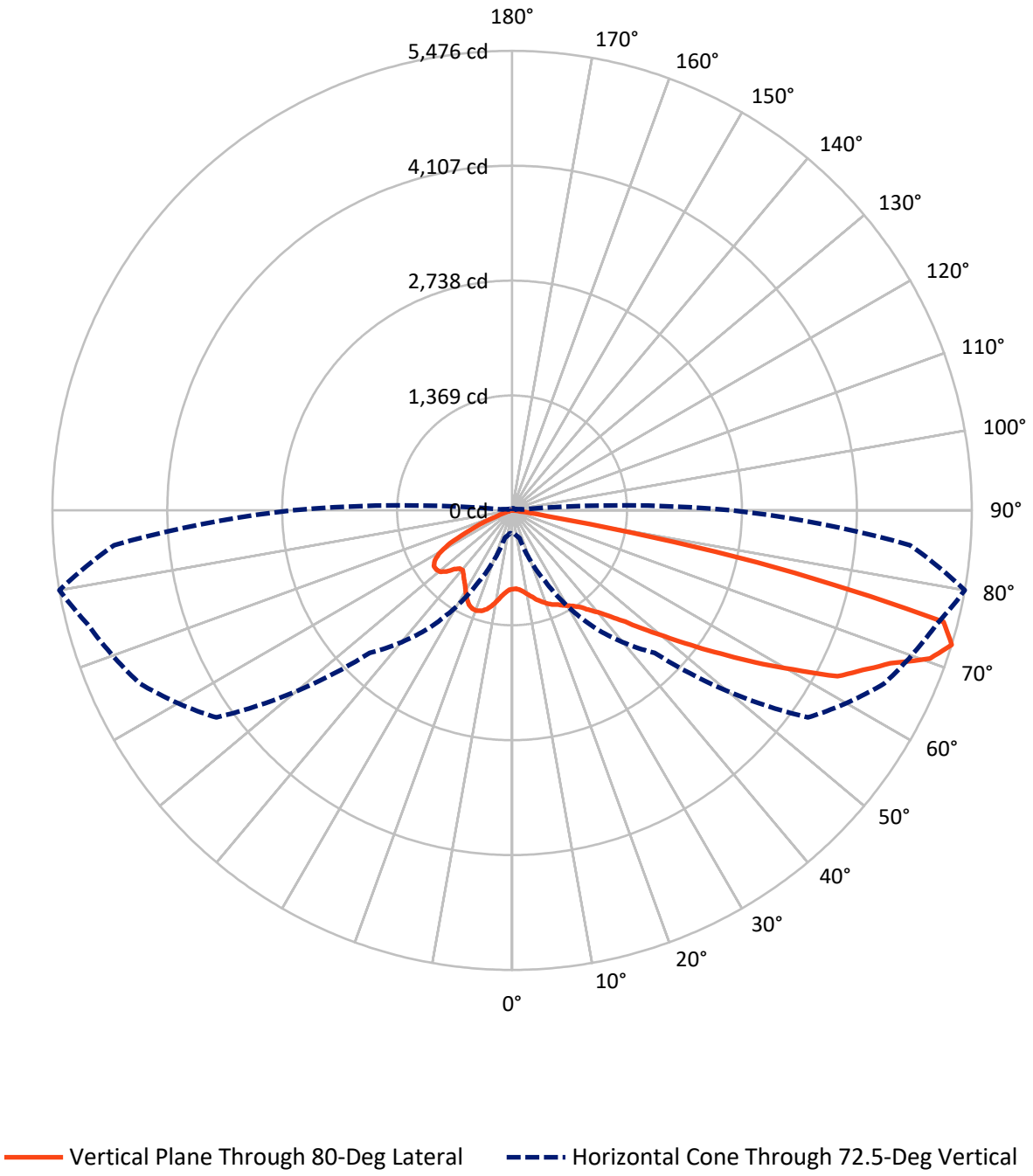
Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
Type III - Medium - N/A

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REPORT NUMBER: P1704731
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Luminous Intensity Polar Plot



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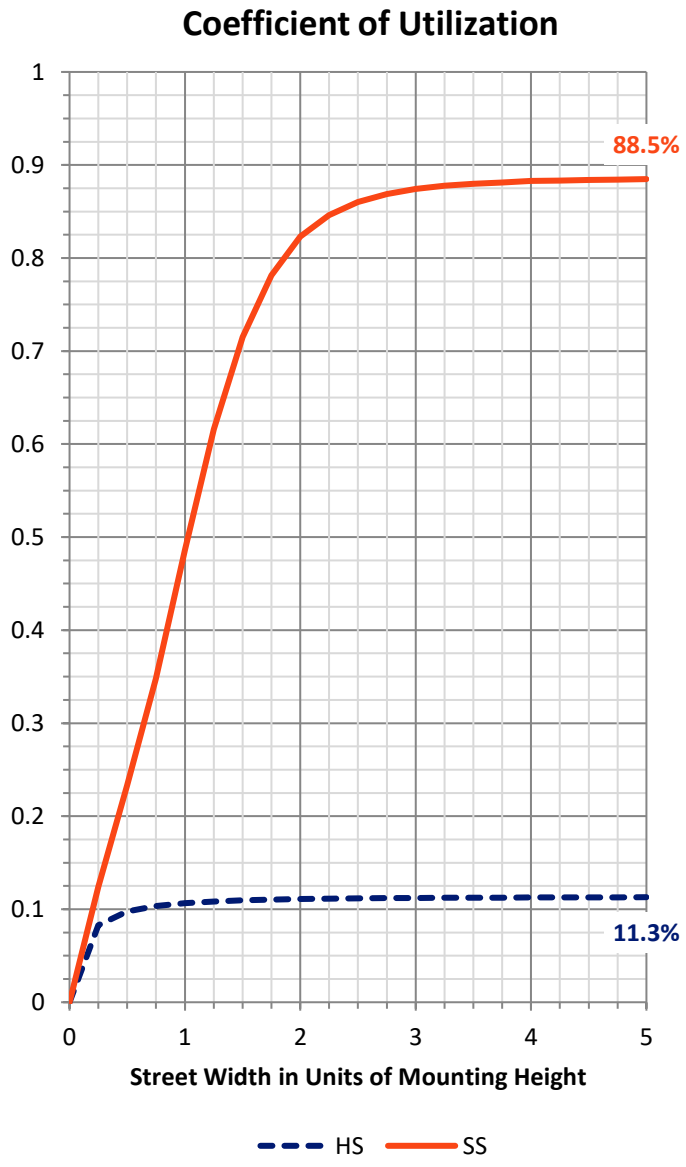
REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	765.8	0.0	765.8
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	5963.3	0.0	5963.3
	% Fixture	88.6	0.0	88.6
Total	Lumens	6729.2	0.0	6729.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	1.3
10°-20°	209.4	3.1
20°-30°	312.6	4.6
30°-40°	535.0	7.9
40°-50°	1075.8	16.0
50°-60°	1698.7	25.2
60°-70°	1713.3	25.5
70°-80°	1058.7	15.7
80°-90°	39.6	0.6
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°	6729.2	100.0
0°-180°	6729.2	100.0



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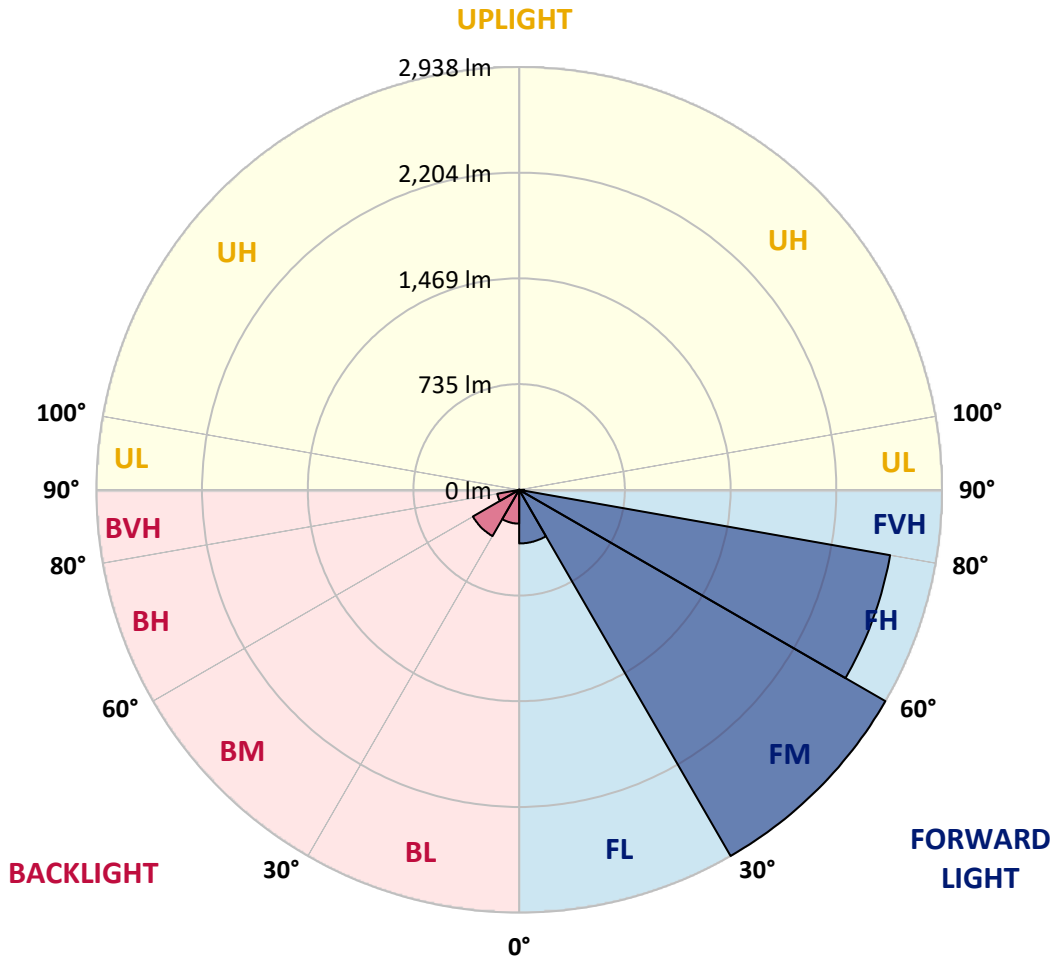
Scaled Data Report

REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	372.8	5.5			
FM	(30°-60°)	2938.4	43.7			
FH	(60°-80°)	2617.7	38.9			G2/5000
FVH	(80°-90°)	34.4	0.5			G1/100
BL	(0°-30°)	235.3	3.5	B1/500		
BM	(30°-60°)	371.1	5.5	B1/1000		
BH	(60°-80°)	154.3	2.3	B1/500		G1/500
BVH	(80°-90°)	5.1	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	938.4	938.4	938.4	938.4	938.4	938.4	938.4	938.4	938.4	*938.4*	938.4
2.5°	910.8	902.9	902.9	906.8	914.7	918.6	926.5	930.5	934.4	*934.4*	938.4
5°	847.7	839.8	839.8	851.6	863.4	875.3	898.9	914.7	942.3	*950.2*	958.1
7.5°	760.9	753.0	757.0	772.8	804.3	839.8	875.3	914.7	962.0	*977.8*	993.5
10°	721.5	713.6	717.6	729.4	749.1	796.4	855.6	918.6	989.6	*1017.2*	1040.9
12.5°	709.7	701.8	701.8	709.7	729.4	760.9	835.8	922.6	1021.1	*1056.6*	1096.1
15°	709.7	705.7	701.8	705.7	717.6	753.0	820.1	934.4	1052.7	*1103.9*	1143.4
17.5°	709.7	705.7	705.7	709.7	721.5	749.1	820.1	942.3	1084.2	*1143.4*	1194.6
20°	717.6	713.6	709.7	713.6	725.4	757.0	820.1	954.1	1115.8	*1182.8*	1234.0
22.5°	729.4	729.4	725.4	729.4	741.2	772.8	828.0	965.9	1155.2	*1218.3*	1277.4
25°	749.1	745.2	737.3	745.2	760.9	788.5	847.7	981.7	1182.8	*1241.9*	1309.0
27.5°	776.7	772.8	757.0	764.9	784.6	820.1	879.2	1005.4	1218.3	*1281.4*	1344.4
30°	1017.2	997.5	906.8	824.0	820.1	851.6	910.8	1036.9	1257.7	*1316.8*	1383.9
32.5°	1447.0	1403.6	1273.5	1052.7	891.0	891.0	954.1	1084.2	1297.1	*1360.2*	1427.2
35°	1908.2	1849.1	1663.8	1391.8	1092.1	969.9	1005.4	1127.6	1360.2	*1419.4*	1502.1
37.5°	2306.4	2282.8	2101.4	1793.9	1423.3	1123.7	1096.1	1206.5	1439.1	*1510.0*	1604.7
40°	2700.7	2669.2	2554.8	2255.2	1841.2	1387.8	1222.2	1316.8	1533.7	*1600.7*	1715.1
42.5°	3016.1	2960.9	2941.2	2748.0	2310.4	1778.1	1423.3	1454.8	1663.8	*1734.8*	1892.5
45°	3185.7	3185.7	3248.7	3240.9	2842.6	2219.7	1699.3	1628.3	1829.4	*1892.5*	2097.5
47.5°	3418.3	3402.5	3528.7	3678.5	3414.3	2684.9	1998.9	1829.4	2022.6	*2113.3*	2357.7
50°	3686.4	3674.5	3781.0	3990.0	3895.3	3240.9	2357.7	2097.5	2278.9	*2361.6*	2657.3
52.5°	3615.4	3646.9	3903.2	4187.1	4250.2	3721.9	2779.6	2401.1	2554.8	*2661.3*	3012.2
55°	2862.4	2996.4	3832.3	4265.9	4439.4	4159.5	3252.7	2732.3	2890.0	*3012.2*	3382.8
57.5°	2310.4	2353.8	3020.1	4112.2	4372.4	4443.4	3674.5	3075.3	3244.8	*3418.3*	3792.8
60°	2093.5	2117.2	2448.4	3792.8	4029.4	4486.7	4088.5	3438.0	3694.3	*3848.0*	4242.3
62.5°	1356.3	1391.8	1876.7	3055.6	3678.5	4250.2	4364.5	3879.6	4171.3	*4352.7*	4640.5
65°	654.5	674.2	965.9	2117.2	3264.5	4108.2	4510.4	4297.5	4459.1	*4589.2*	4644.4
67.5°	425.8	453.4	520.4	1699.3	2547.0	4100.4	4573.5	4368.5	4609.0	*4861.3*	4794.3
70°	362.7	366.7	425.8	1356.3	2136.9	3441.9	4329.0	4664.2	5022.9	*5283.1*	4873.1
72.5°	*279.9*	*272.0*	*339.1*	*934.4*	*1699.3*	*2401.1*	*4301.4*	*4888.9*	*5235.8*	*5476.3*	*4758.8*
75°	94.6	106.5	169.5	386.4	808.2	1659.9	2314.3	5019.0	5235.8	*5310.7*	4037.3
77.5°	67.0	74.9	134.1	185.3	315.4	843.7	784.6	3603.6	3497.1	*2984.6*	1896.4
80°	51.3	59.1	122.2	114.3	74.9	220.8	216.8	595.3	796.4	*425.8*	256.3
82.5°	19.7	23.7	98.6	71.0	43.4	47.3	63.1	126.2	205.0	*90.7*	63.1
85°	11.8	15.8	63.1	31.5	19.7	19.7	31.5	39.4	51.3	*35.5*	27.6
87.5°	0.0	0.0	3.9	3.9	7.9	7.9	11.8	15.8	15.8	*15.8*	15.8
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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Scaled Data Report

REPORT NUMBER: P1704731
CATALOG NUMBER: GSS-SB4A-AMB-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	938.4	938.4	938.4	938.4	938.4	938.4	938.4	938.4	938.4	938.4	938.4
2.5°	938.4	942.3	950.2	946.2	962.0	958.1	965.9	973.8	977.8	977.8	977.8
5°	958.1	973.8	989.6	1005.4	1009.3	1005.4	993.5	981.7	969.9	965.9	962.0
7.5°	1005.4	1013.3	1048.7	1052.7	1029.0	969.9	906.8	855.6	808.2	792.5	780.6
10°	1056.6	1076.3	1115.8	1084.2	981.7	859.5	749.1	646.6	567.7	536.2	536.2
12.5°	1115.8	1151.3	1174.9	1072.4	898.9	697.8	520.4	382.4	323.3	287.8	295.7
15°	1182.8	1222.2	1214.3	1029.0	760.9	477.1	299.6	236.6	212.9	209.0	209.0
17.5°	1234.0	1281.4	1222.2	942.3	559.9	299.6	212.9	201.1	197.1	197.1	197.1
20°	1285.3	1336.6	1198.6	796.4	366.7	216.8	197.1	193.2	189.2	189.2	193.2
22.5°	1340.5	1379.9	1147.3	595.3	244.4	193.2	189.2	185.3	181.4	181.4	181.4
25°	1379.9	1415.4	1056.6	414.0	197.1	185.3	177.4	173.5	165.6	165.6	165.6
27.5°	1423.3	1435.1	930.5	287.8	177.4	173.5	165.6	157.7	149.8	149.8	149.8
30°	1470.6	1450.9	788.5	205.0	165.6	161.6	145.9	134.1	130.1	134.1	138.0
32.5°	1537.6	1474.6	634.8	173.5	153.8	141.9	126.2	114.3	110.4	118.3	118.3
35°	1624.4	1498.2	516.5	161.6	145.9	126.2	102.5	94.6	94.6	98.6	98.6
37.5°	1730.8	1521.9	398.2	157.7	134.1	106.5	86.7	78.9	78.9	78.9	82.8
40°	1864.9	1549.5	299.6	161.6	130.1	94.6	78.9	71.0	71.0	74.9	74.9
42.5°	2054.1	1620.4	244.4	165.6	122.2	82.8	71.0	67.0	67.0	67.0	71.0
45°	2247.3	1734.8	228.7	161.6	122.2	82.8	67.0	63.1	63.1	63.1	63.1
47.5°	2460.2	1888.5	244.4	157.7	122.2	86.7	63.1	59.1	63.1	63.1	63.1
50°	2653.4	1987.1	264.2	153.8	122.2	90.7	63.1	59.1	59.1	59.1	63.1
52.5°	2870.2	2010.8	279.9	141.9	114.3	94.6	63.1	55.2	55.2	59.1	55.2
55°	3059.5	2002.9	283.9	126.2	102.5	94.6	63.1	55.2	55.2	55.2	55.2
57.5°	3284.2	1947.7	248.4	102.5	86.7	82.8	63.1	51.3	51.3	51.3	51.3
60°	3489.2	1817.6	189.2	86.7	74.9	67.0	59.1	51.3	51.3	47.3	47.3
62.5°	3595.7	1549.5	126.2	71.0	59.1	55.2	55.2	47.3	43.4	39.4	39.4
65°	3248.7	1056.6	86.7	59.1	51.3	47.3	47.3	43.4	39.4	31.5	31.5
67.5°	3114.7	693.9	67.0	51.3	43.4	39.4	39.4	39.4	35.5	27.6	27.6
70°	2897.8	295.7	55.2	43.4	35.5	31.5	31.5	35.5	27.6	23.7	23.7
72.5°	*2617.9*	*122.2*	*47.3*	*39.4*	*27.6*	*23.7*	*27.6*	*27.6*	*23.7*	*19.7*	*19.7*
75°	1967.4	71.0	39.4	31.5	23.7	19.7	23.7	23.7	19.7	15.8	15.8
77.5°	772.8	47.3	31.5	23.7	19.7	15.8	19.7	15.8	15.8	11.8	11.8
80°	153.8	35.5	23.7	19.7	15.8	11.8	15.8	11.8	7.9	7.9	7.9
82.5°	47.3	27.6	19.7	15.8	11.8	11.8	7.9	7.9	7.9	7.9	3.9
85°	27.6	19.7	11.8	11.8	7.9	7.9	3.9	3.9	3.9	3.9	3.9
87.5°	15.8	11.8	7.9	7.9	3.9	3.9	3.9	3.9	3.9	3.9	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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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

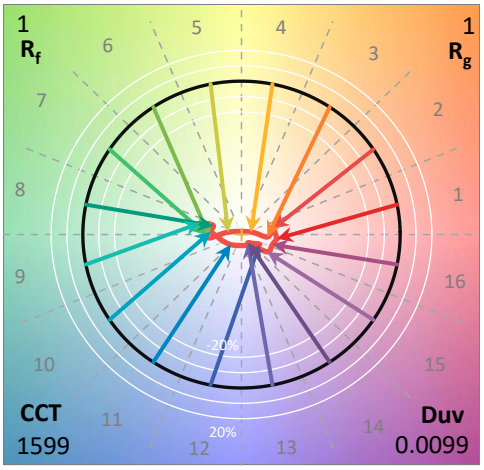
Test Information

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

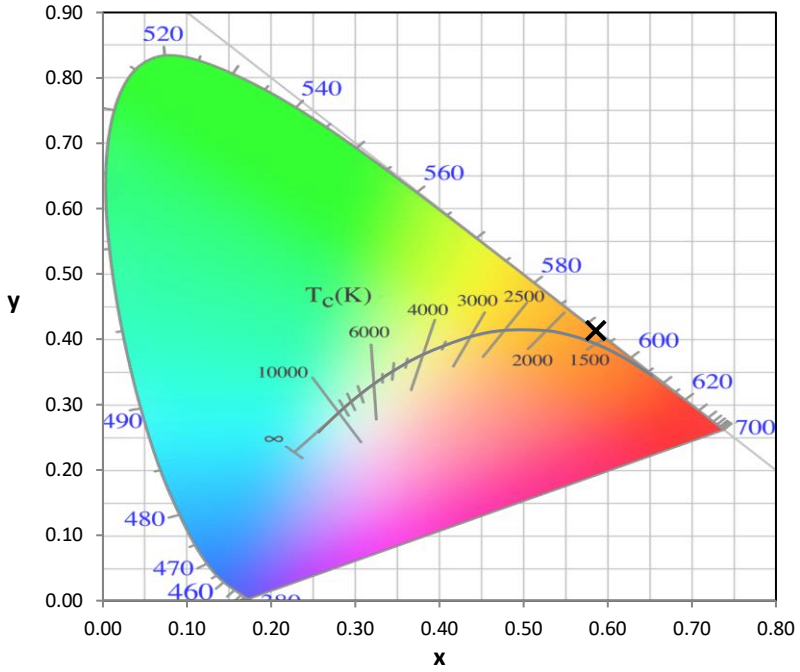
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

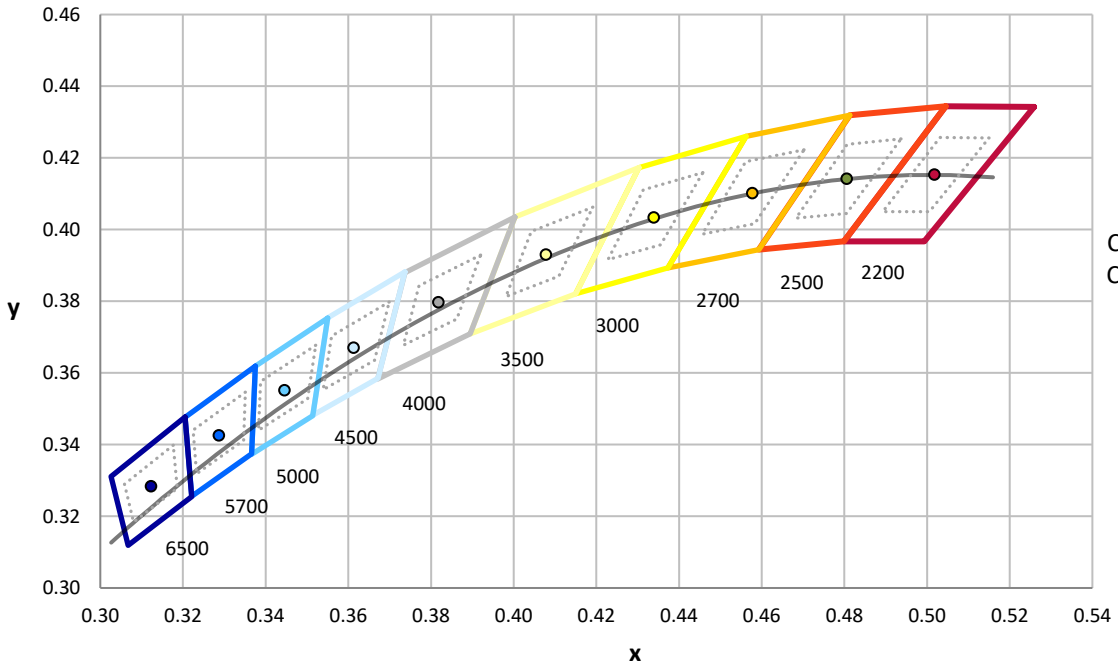
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024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

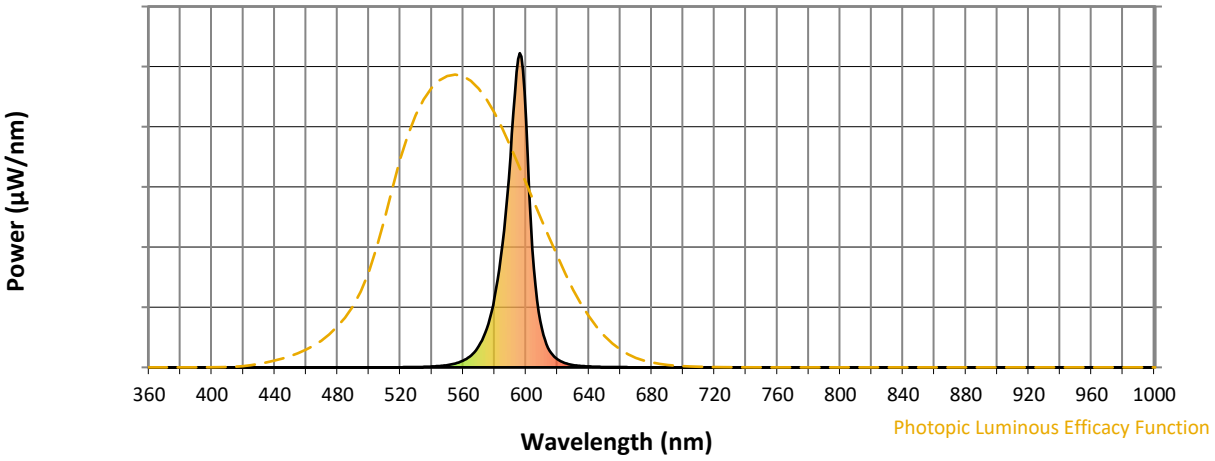


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

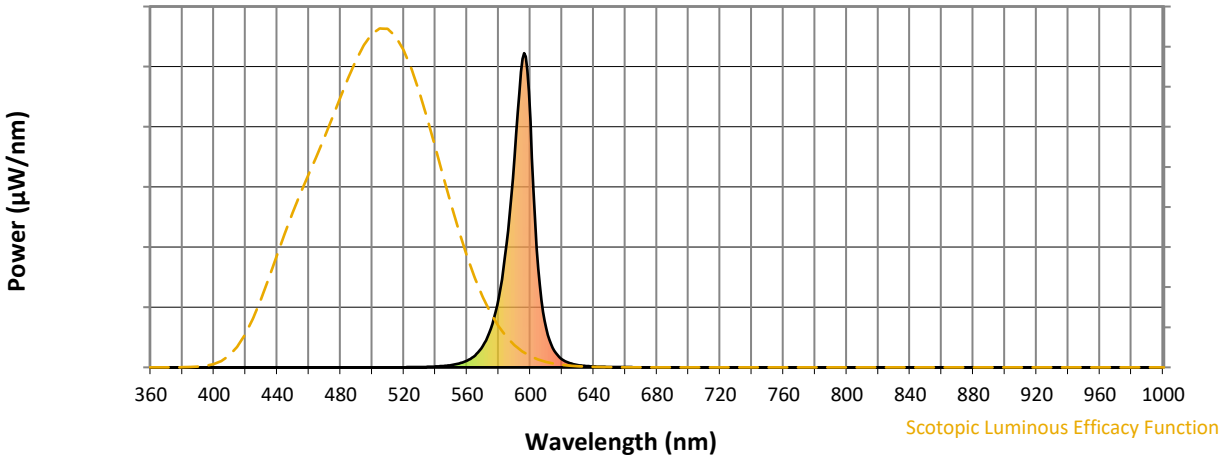


Photopic Lumens: NR

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

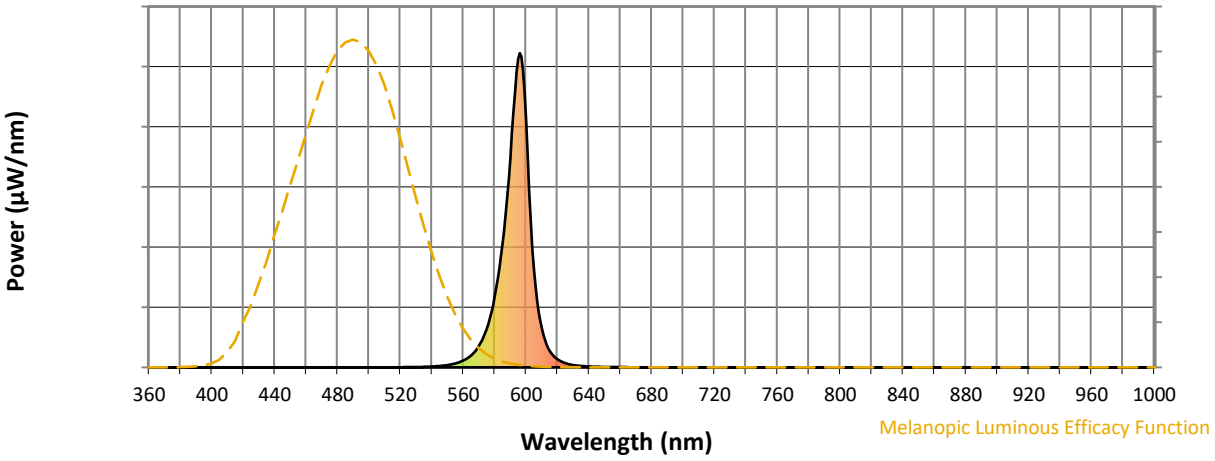


Scotopic Lumens: NR **S/P: 0.23**

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			

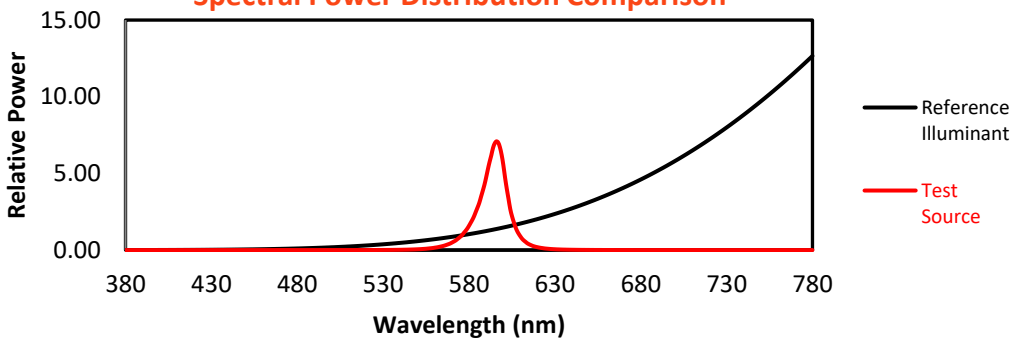
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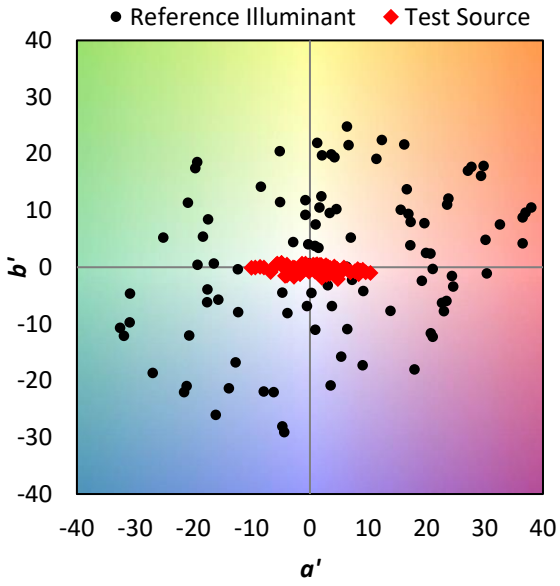
Summary

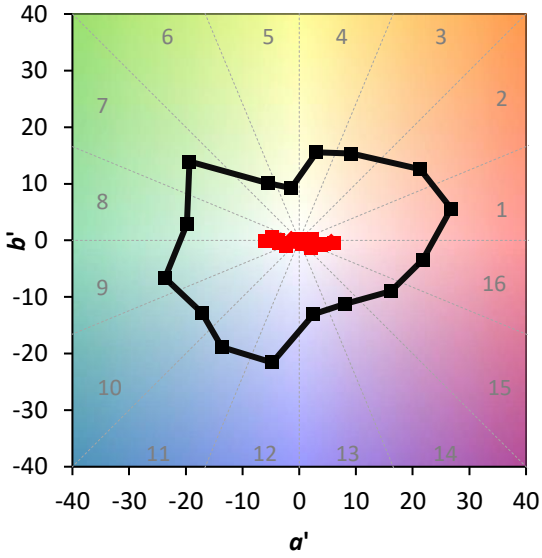
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R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

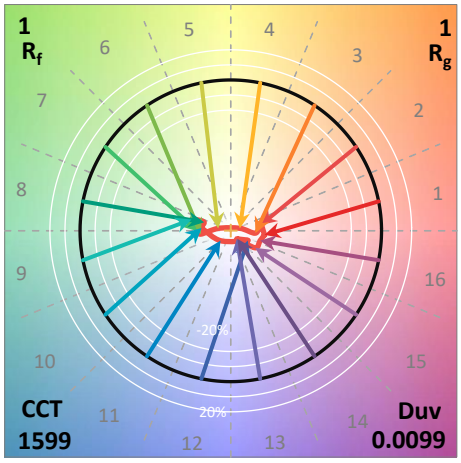
Spectral Power Distribution Comparison

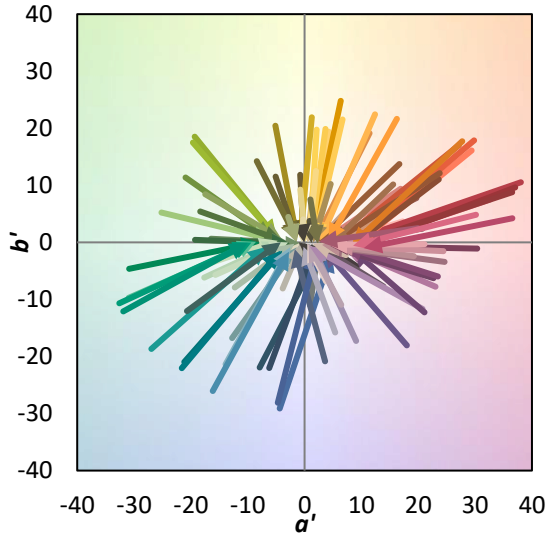


Color Vector Graphics







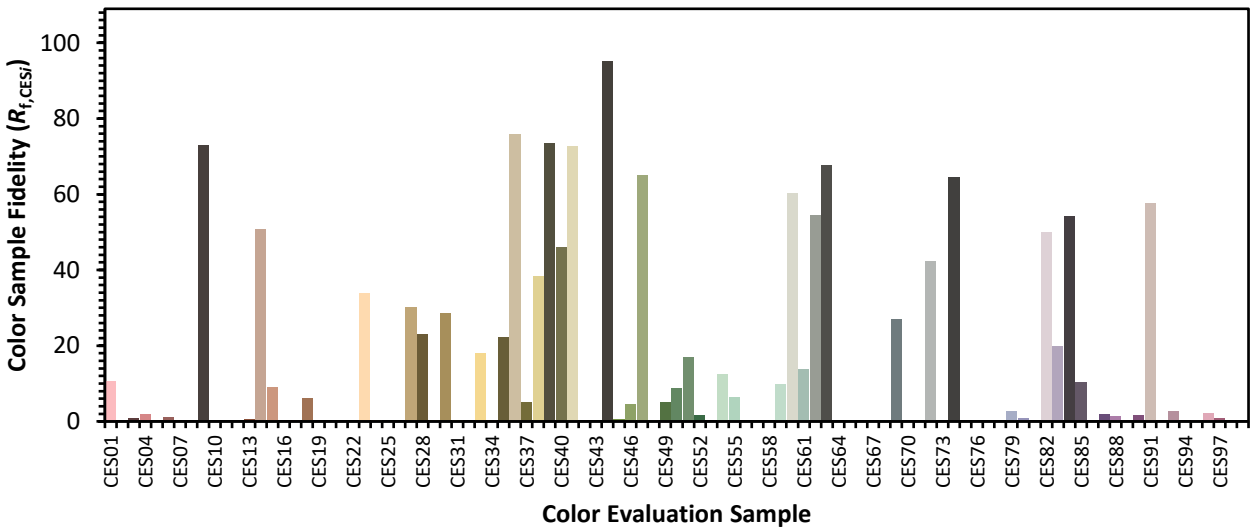


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Individual Sample Fidelity Index ($R_{f,i}$)

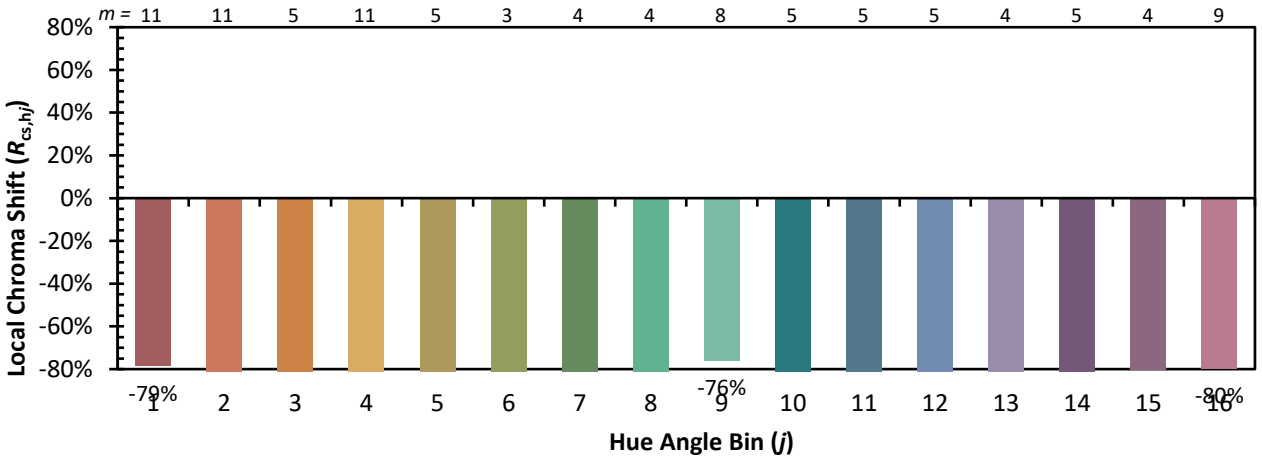
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 =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

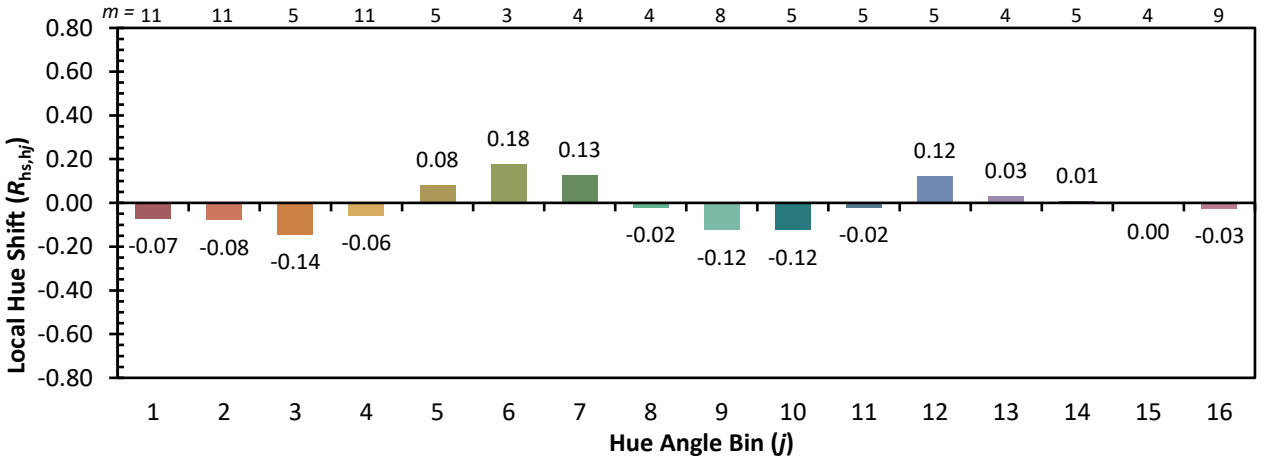


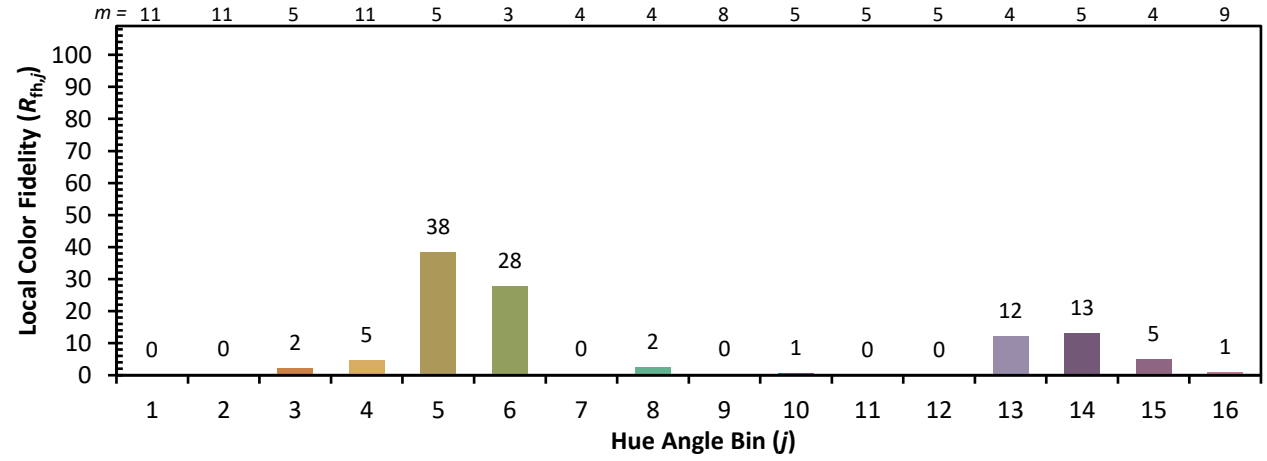
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Color Rendition by Hue-Angle Bin



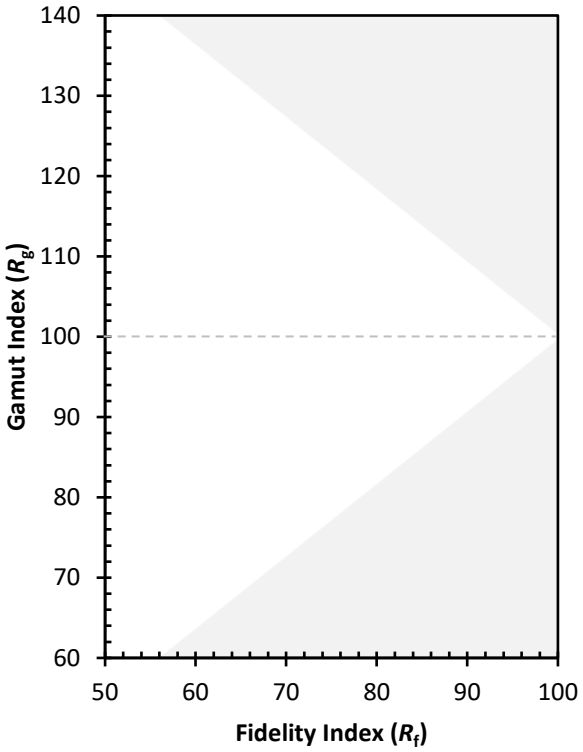


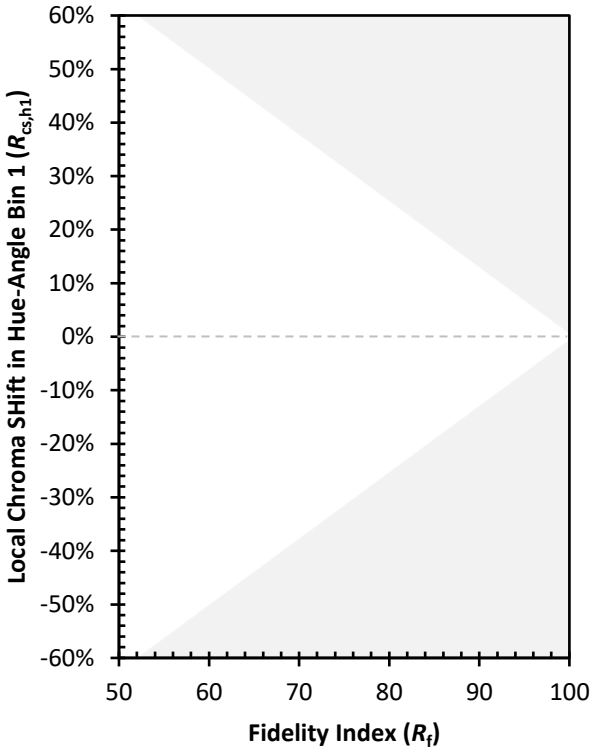


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Measure Comparisons





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