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: P1704729

Luminaire Tested: GSS-SB2A-AMB-U-T4FT

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:	P1704729
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	10/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-AMB-U-T4FT
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 2SQUARE 68W 1590K FIXTURE w/ T4 FORWARD THROW DISTRIBUTION
Light Source:	(52) 1590K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4102.7 lumens
Efficiency:	N/A
Efficacy:	60.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	68
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

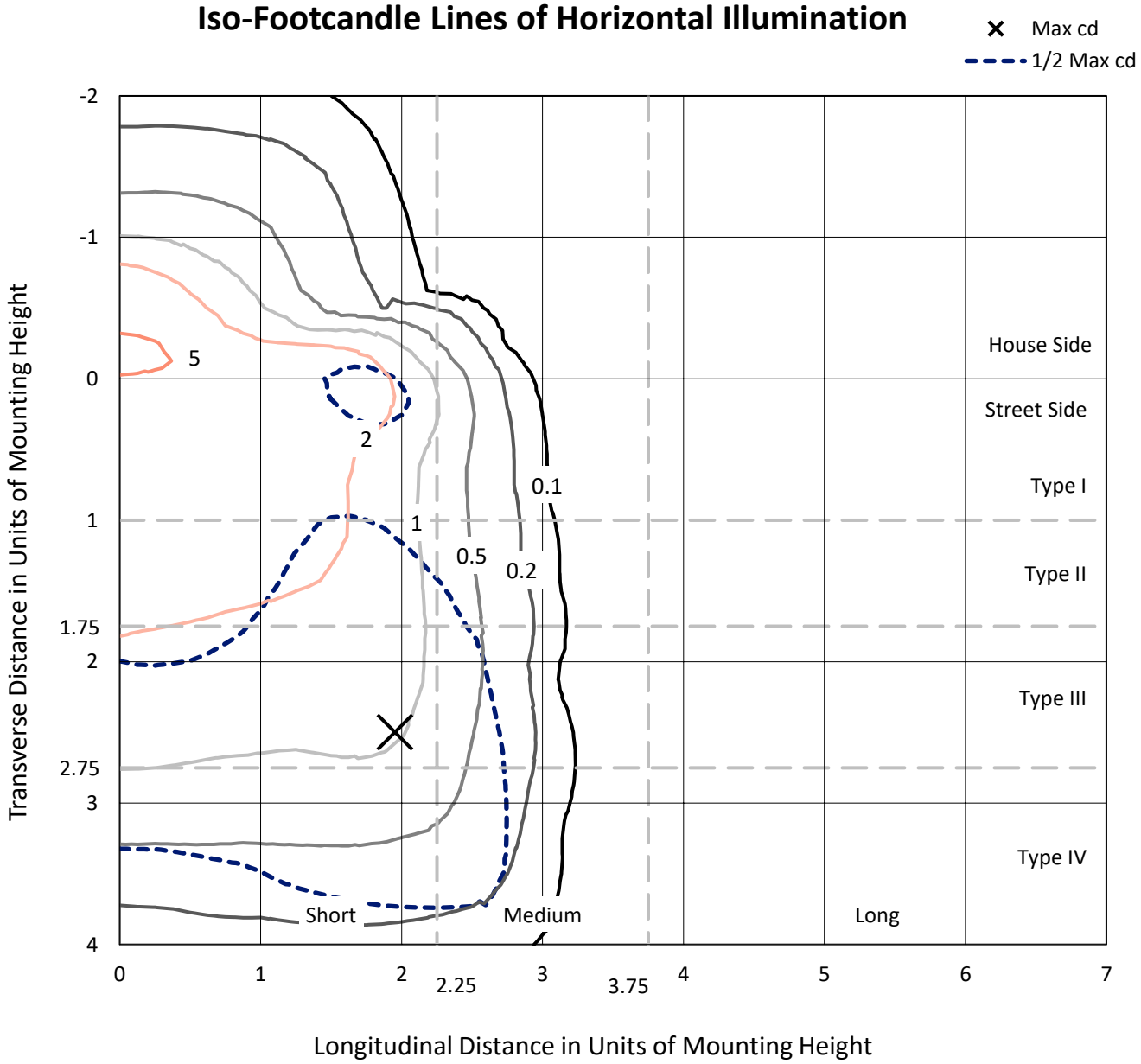


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Scaled Data Report

REPORT NUMBER: P1704729
CATALOG NUMBER: GSS-SB2A-AMB-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



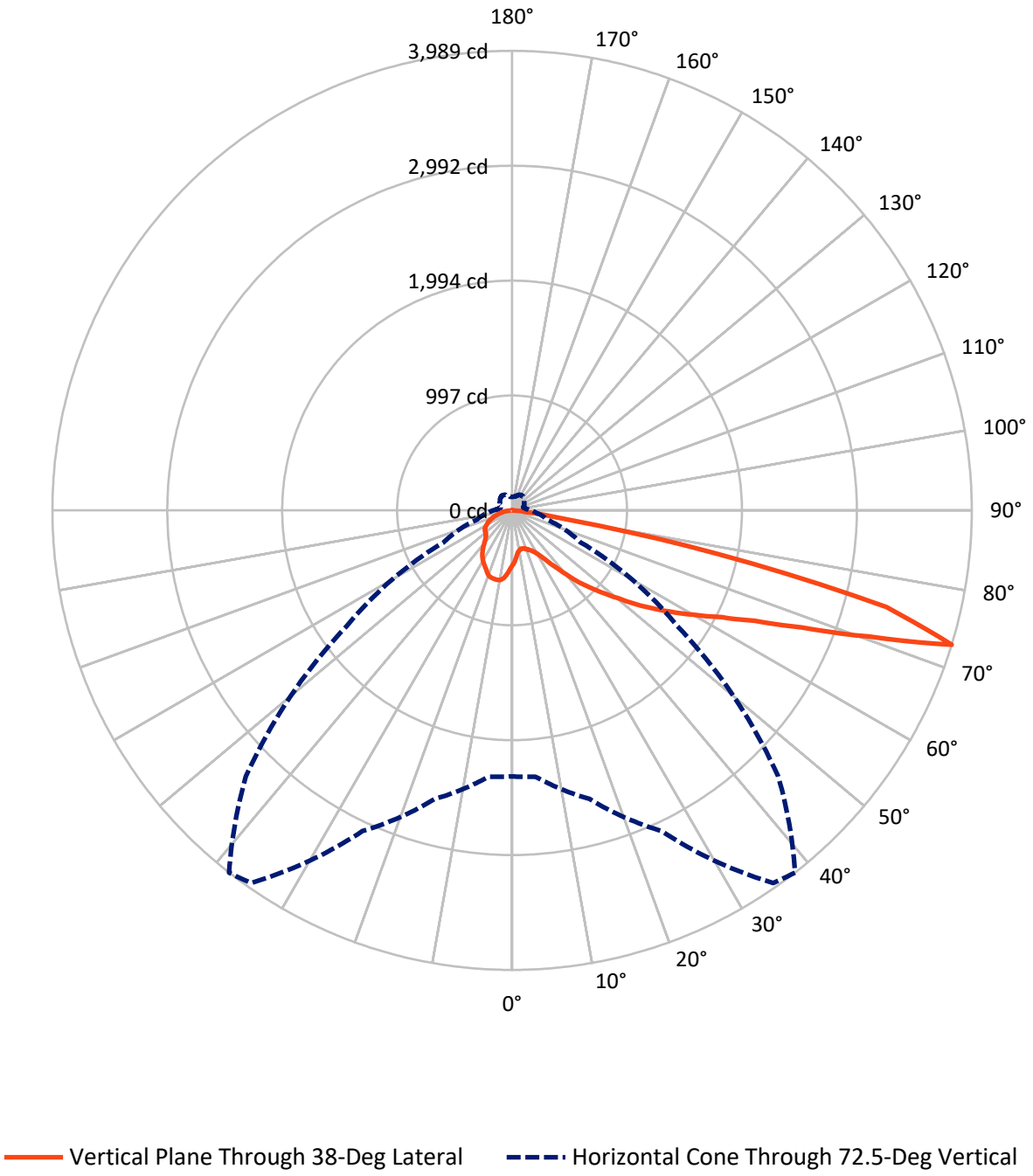
Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
Type IV - Short - N/A

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REPORT NUMBER: P1704729
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Luminous Intensity Polar Plot



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Scaled Data Report

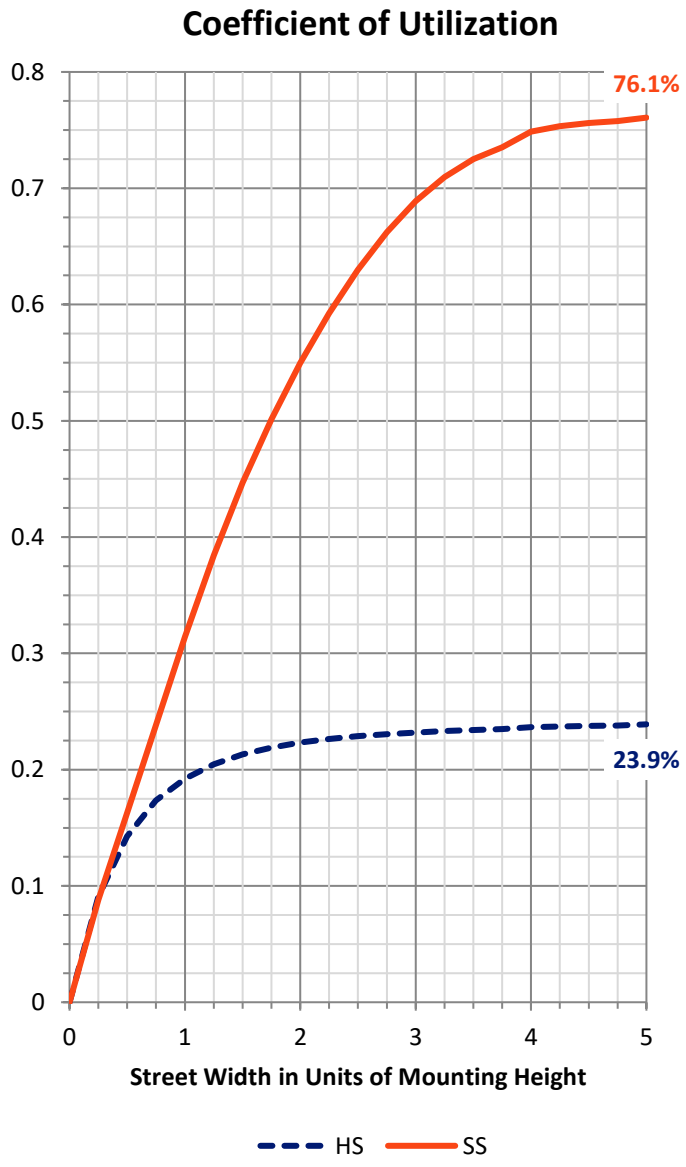
REPORT NUMBER: P1704729
CATALOG NUMBER: GSS-SB2A-AMB-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	991.2	0.0	991.2
	% Fixture	24.2	0.0	24.2
Street Side	Lumens	3111.5	0.0	3111.5
	% Fixture	75.8	0.0	75.8
Total	Lumens	4102.7	0.0	4102.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.1
10°-20°	137.3	3.3
20°-30°	231.5	5.6
30°-40°	355.7	8.7
40°-50°	548.9	13.4
50°-60°	871.3	21.2
60°-70°	1135.2	27.7
70°-80°	737.8	18.0
80°-90°	39.4	1.0
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°	4102.7	100.0
0°-180°	4102.7	100.0



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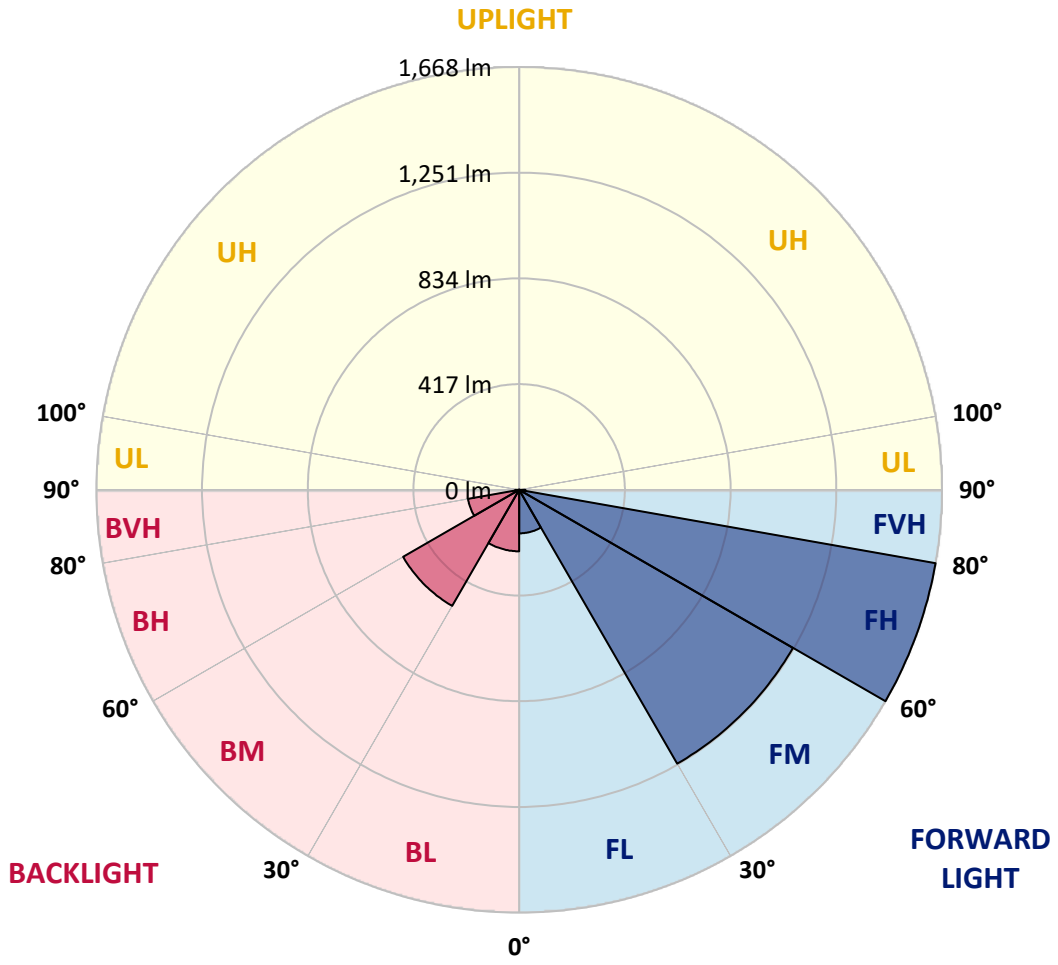
Scaled Data Report

REPORT NUMBER: P1704729
CATALOG NUMBER: GSS-SB2A-AMB-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	171.8	4.2			
FM	(30°-60°)	1247.3	30.4			
FH	(60°-80°)	1668.0	40.7			G1/1800
FVH	(80°-90°)	24.4	0.6			G1/100
BL	(0°-30°)	242.6	5.9	B1/500		
BM	(30°-60°)	528.6	12.9	B1/1000		
BH	(60°-80°)	205.1	5.0	B1/500		G1/500
BVH	(80°-90°)	15.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	475.1	475.1	475.1	475.1	475.1	*475.1*	475.1	475.1	475.1	475.1	475.1
2.5°	437.2	435.2	437.2	437.2	445.2	*445.2*	445.2	451.2	457.2	463.2	471.1
5°	383.3	379.3	381.3	385.3	391.3	*401.3*	405.3	419.2	431.2	449.2	467.1
7.5°	345.4	345.4	347.4	353.4	361.3	*367.3*	377.3	393.3	413.2	439.2	463.2
10°	327.4	327.4	329.4	333.4	343.4	*351.4*	357.3	377.3	401.3	433.2	463.2
12.5°	321.4	321.4	323.4	327.4	337.4	*341.4*	351.4	371.3	395.3	429.2	469.1
15°	325.4	323.4	323.4	327.4	337.4	*343.4*	353.4	373.3	397.3	433.2	475.1
17.5°	333.4	333.4	331.4	335.4	341.4	*347.4*	357.3	379.3	405.3	435.2	481.1
20°	343.4	345.4	339.4	343.4	353.4	*359.3*	367.3	389.3	415.2	441.2	487.1
22.5°	363.3	363.3	355.3	355.3	365.3	*371.3*	379.3	401.3	425.2	453.2	503.1
25°	397.3	395.3	383.3	375.3	377.3	*385.3*	397.3	415.2	439.2	465.1	513.1
27.5°	451.2	449.2	429.2	411.2	403.3	*407.3*	415.2	437.2	457.2	475.1	533.0
30°	531.0	525.0	501.1	463.2	441.2	*439.2*	443.2	465.1	479.1	495.1	557.0
32.5°	610.9	610.9	582.9	531.0	495.1	*487.1*	481.1	499.1	513.1	529.0	592.9
35°	702.7	692.7	662.8	614.9	563.0	*557.0*	539.0	547.0	563.0	569.0	630.8
37.5°	784.6	778.6	752.6	708.7	650.8	*640.8*	614.9	616.9	624.9	614.9	688.7
40°	862.4	862.4	834.5	806.5	758.6	*738.6*	708.7	704.7	698.7	680.8	760.6
42.5°	962.2	946.3	908.3	888.4	864.4	*854.4*	830.5	814.5	794.5	762.6	854.4
45°	1020.1	1010.1	970.2	966.2	960.2	*962.2*	954.2	940.3	912.3	864.4	974.2
47.5°	1078.0	1070.0	1048.1	1060.1	1064.0	*1078.0*	1098.0	1090.0	1036.1	972.2	1135.9
50°	1185.8	1179.8	1155.9	1175.8	1189.8	*1201.8*	1237.7	1253.7	1173.8	1102.0	1317.6
52.5°	1289.6	1293.6	1277.7	1299.6	1333.6	*1357.5*	1395.4	1415.4	1309.6	1245.7	1553.2
55°	1395.4	1391.4	1407.4	1435.4	1491.3	*1511.2*	1571.1	1593.1	1449.3	1377.5	1818.7
57.5°	1515.2	1509.2	1517.2	1561.1	1645.0	*1672.9*	1732.8	1760.8	1569.1	1517.2	2118.1
60°	1688.9	1653.0	1661.0	1702.9	1816.7	*1844.6*	1928.5	1948.4	1682.9	1629.0	2329.7
62.5°	1898.5	1866.6	1832.6	1860.6	2004.3	*2042.3*	2160.0	2116.1	1766.8	1629.0	2227.9
65°	2052.2	2028.3	2024.3	2100.1	2263.8	*2311.8*	2419.6	2271.8	1716.9	1463.3	1886.5
67.5°	2291.8	2287.8	2211.9	2327.7	2655.1	*2711.0*	2778.9	2289.8	1549.2	1209.8	1263.7
70°	2537.3	2543.3	2555.3	2733.0	3204.1	*3280.0*	3307.9	2182.0	1223.8	716.7	535.0
72.5°	*2309.8*	*2319.7*	*2593.2*	*3070.4*	*3948.8*	*3988.7*	*3266.0*	*1750.8*	*656.8*	*319.4*	*205.6*
75°	1117.9	1195.8	1722.8	2627.2	3541.5	*3355.8*	2190.0	622.9	261.5	165.7	123.8
77.5°	237.6	249.5	475.1	1285.6	2000.3	*1822.7*	856.4	183.7	127.8	107.8	81.8
80°	69.9	75.9	111.8	239.6	517.1	*501.1*	181.7	91.8	81.8	73.9	55.9
82.5°	39.9	41.9	63.9	87.8	131.8	*129.8*	65.9	53.9	53.9	47.9	31.9
85°	18.0	20.0	26.0	41.9	47.9	*43.9*	27.9	24.0	26.0	26.0	16.0
87.5°	2.0	4.0	4.0	6.0	6.0	*6.0*	6.0	6.0	6.0	4.0	4.0
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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Scaled Data Report

REPORT NUMBER: P1704729
CATALOG NUMBER: GSS-SB2A-AMB-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	475.1	475.1	475.1	475.1	475.1	475.1	475.1	475.1	475.1	475.1	475.1
2.5°	475.1	479.1	487.1	491.1	499.1	505.1	511.1	511.1	515.1	517.1	517.1
5°	475.1	483.1	501.1	513.1	531.0	545.0	557.0	563.0	567.0	571.0	569.0
7.5°	477.1	491.1	515.1	541.0	565.0	582.9	596.9	604.9	608.9	610.9	614.9
10°	481.1	499.1	533.0	567.0	592.9	606.9	614.9	618.9	618.9	620.9	620.9
12.5°	487.1	511.1	553.0	592.9	608.9	616.9	616.9	616.9	612.9	612.9	610.9
15°	499.1	521.0	572.9	608.9	618.9	614.9	614.9	606.9	602.9	602.9	602.9
17.5°	505.1	533.0	592.9	618.9	618.9	614.9	610.9	594.9	588.9	582.9	580.9
20°	519.0	547.0	608.9	622.9	618.9	610.9	598.9	578.9	565.0	561.0	563.0
22.5°	531.0	561.0	620.9	618.9	612.9	594.9	572.9	555.0	551.0	549.0	547.0
25°	549.0	582.9	628.8	610.9	596.9	567.0	547.0	543.0	543.0	541.0	545.0
27.5°	569.0	610.9	634.8	598.9	563.0	533.0	531.0	537.0	541.0	539.0	539.0
30°	598.9	644.8	640.8	580.9	525.0	501.1	513.1	525.0	531.0	529.0	531.0
32.5°	638.8	684.7	640.8	557.0	481.1	471.1	489.1	505.1	513.1	515.1	519.0
35°	690.7	734.7	644.8	523.0	451.2	445.2	459.2	473.1	489.1	495.1	497.1
37.5°	760.6	802.5	642.8	483.1	431.2	419.2	421.2	431.2	439.2	449.2	459.2
40°	862.4	878.4	634.8	449.2	411.2	389.3	379.3	383.3	385.3	391.3	397.3
42.5°	980.2	958.2	610.9	425.2	391.3	361.3	343.4	337.4	333.4	339.4	341.4
45°	1114.0	1048.1	582.9	401.3	367.3	339.4	319.4	307.4	297.5	291.5	289.5
47.5°	1281.6	1163.9	571.0	369.3	337.4	321.4	303.4	287.5	277.5	261.5	261.5
50°	1459.3	1293.6	539.0	327.4	313.4	311.4	295.5	279.5	267.5	243.6	239.6
52.5°	1672.9	1447.3	485.1	291.5	295.5	311.4	289.5	269.5	249.5	227.6	225.6
55°	1916.5	1613.0	393.3	259.5	281.5	305.4	283.5	259.5	229.6	209.6	205.6
57.5°	2134.1	1752.8	307.4	231.6	259.5	289.5	273.5	237.6	205.6	189.7	187.7
60°	2271.8	1774.7	243.6	209.6	237.6	275.5	257.5	215.6	191.6	175.7	173.7
62.5°	2040.3	1483.3	197.6	185.7	215.6	253.5	237.6	201.6	177.7	161.7	159.7
65°	1655.0	1096.0	163.7	165.7	195.6	229.6	223.6	187.7	163.7	149.7	145.7
67.5°	1030.1	624.9	135.8	149.7	171.7	201.6	201.6	177.7	149.7	135.8	135.8
70°	409.2	243.6	117.8	131.8	151.7	173.7	181.7	159.7	137.7	127.8	125.8
72.5°	*163.7*	*125.8*	*99.8*	*117.8*	*127.8*	*145.7*	*155.7*	*149.7*	*127.8*	*117.8*	*117.8*
75°	103.8	89.8	83.8	99.8	105.8	115.8	137.7	133.8	119.8	143.7	145.7
77.5°	69.9	59.9	65.9	79.9	83.8	97.8	113.8	113.8	99.8	111.8	91.8
80°	47.9	41.9	47.9	55.9	61.9	77.9	89.8	87.8	77.9	75.9	67.9
82.5°	27.9	26.0	33.9	35.9	35.9	51.9	63.9	61.9	55.9	51.9	49.9
85°	10.0	10.0	16.0	18.0	18.0	26.0	35.9	33.9	33.9	29.9	29.9
87.5°	2.0	2.0	2.0	2.0	4.0	6.0	8.0	6.0	6.0	8.0	8.0
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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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

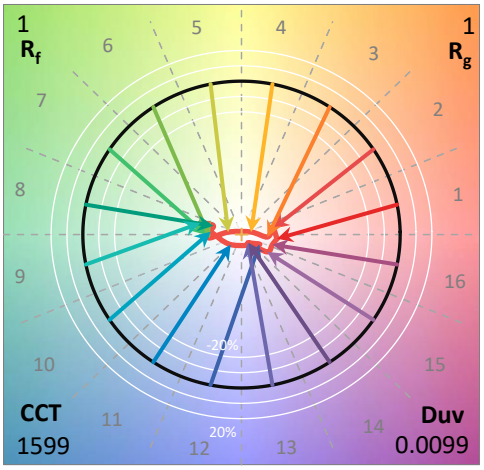
Test Information

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

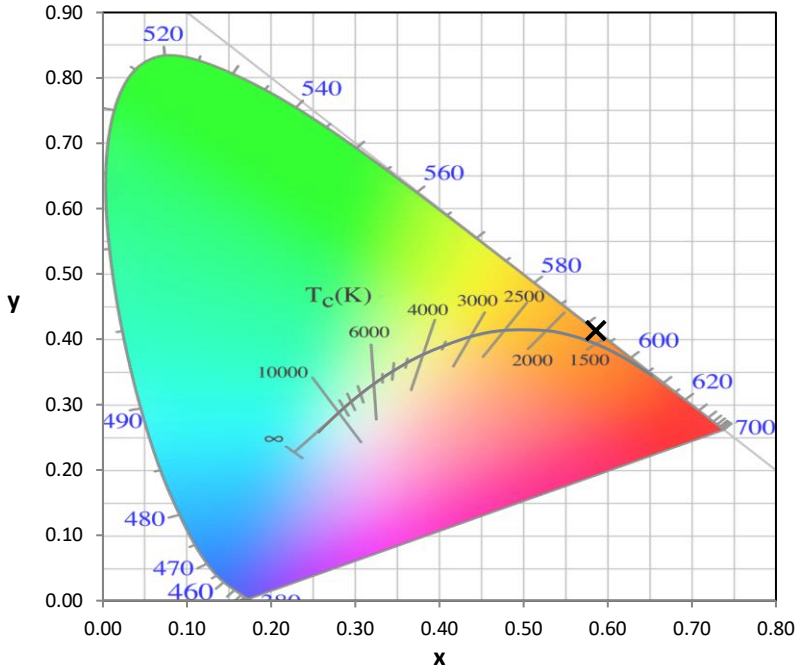
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

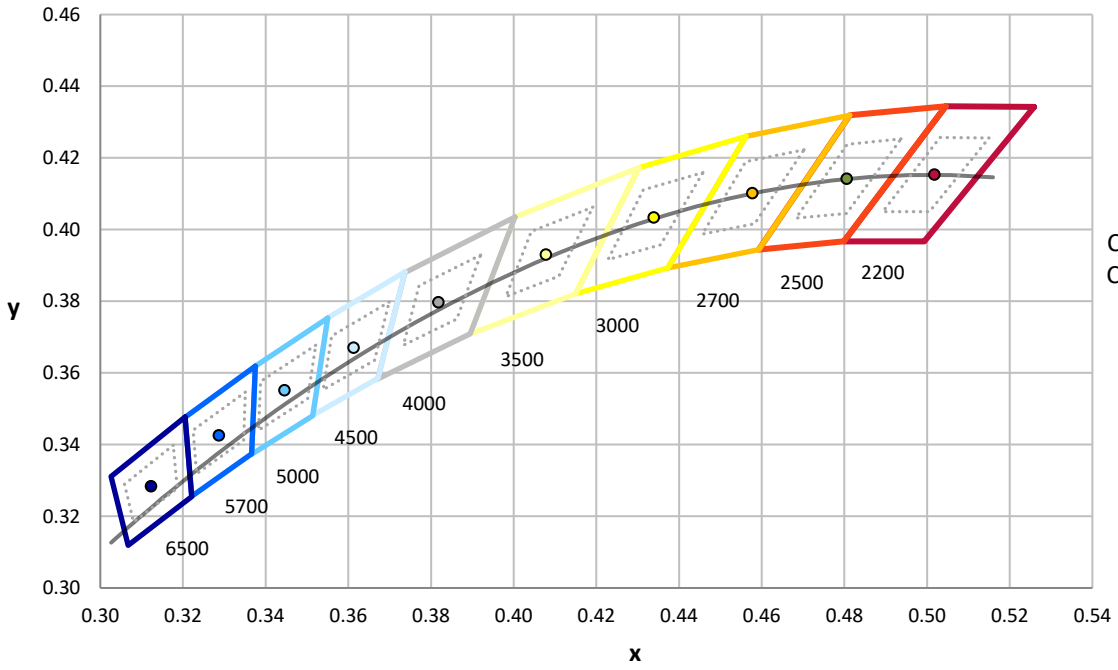
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024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

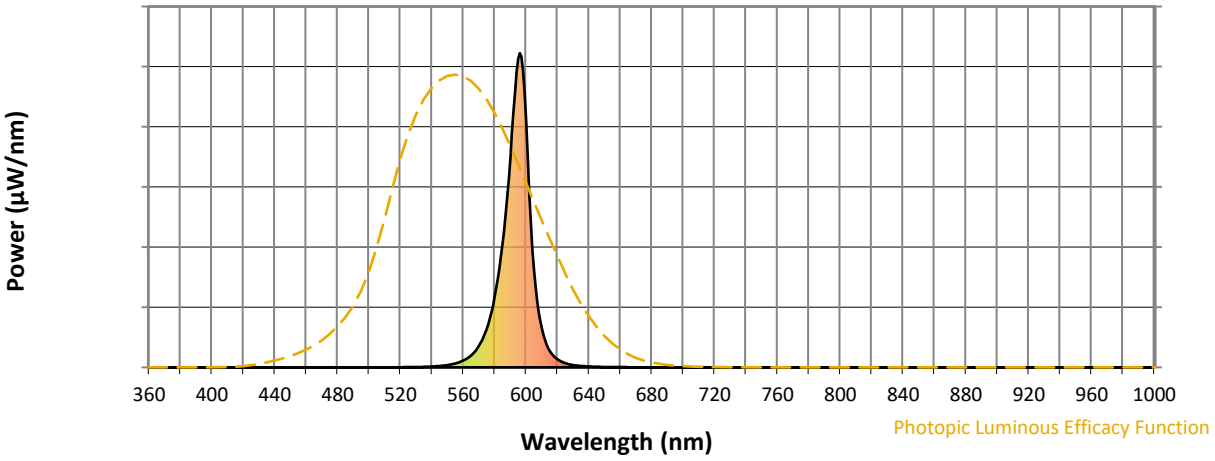


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

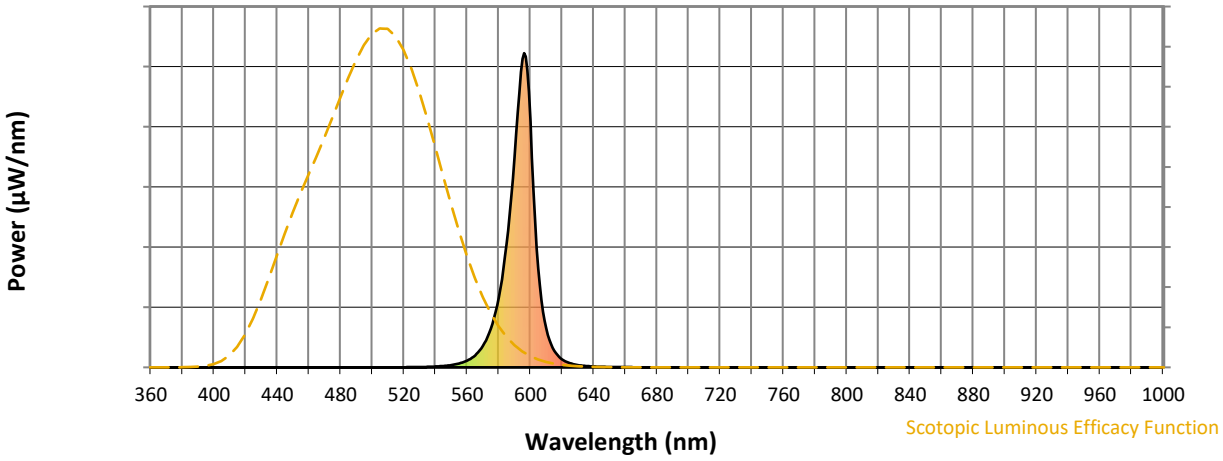


Photopic Lumens: NR

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

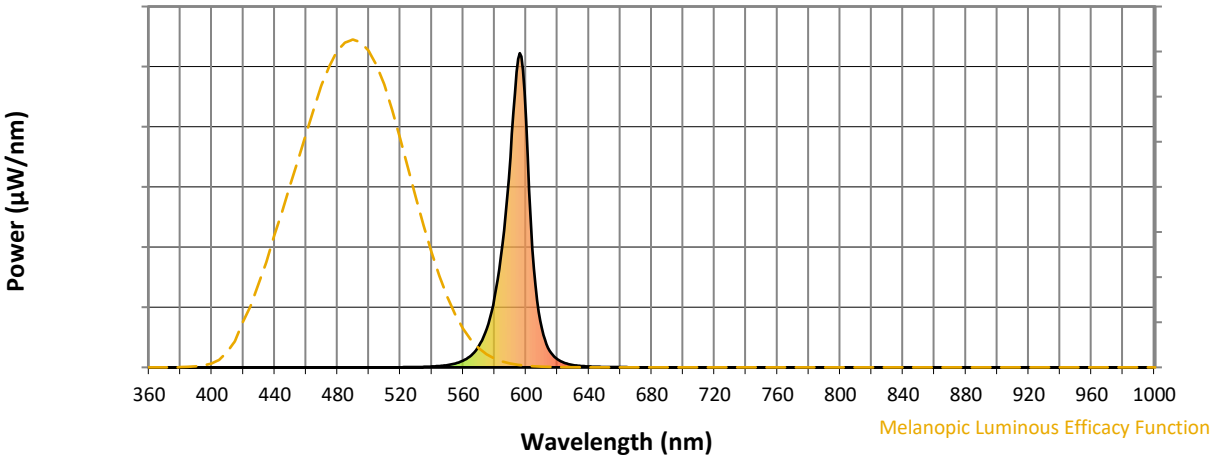


Scotopic Lumens: NR **S/P: 0.23**

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			

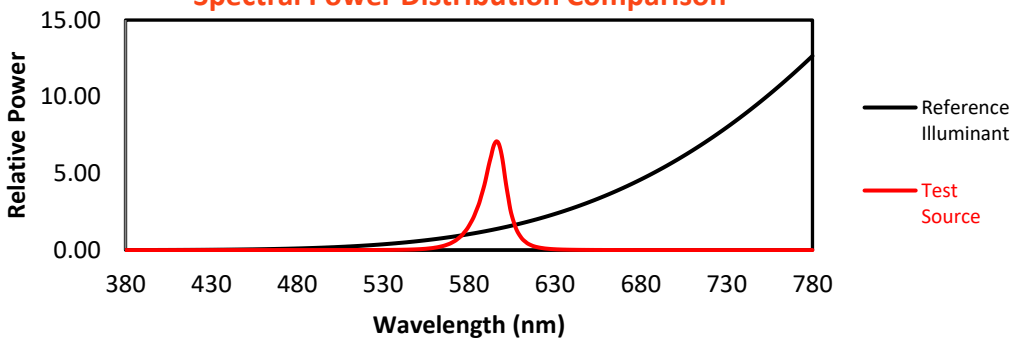
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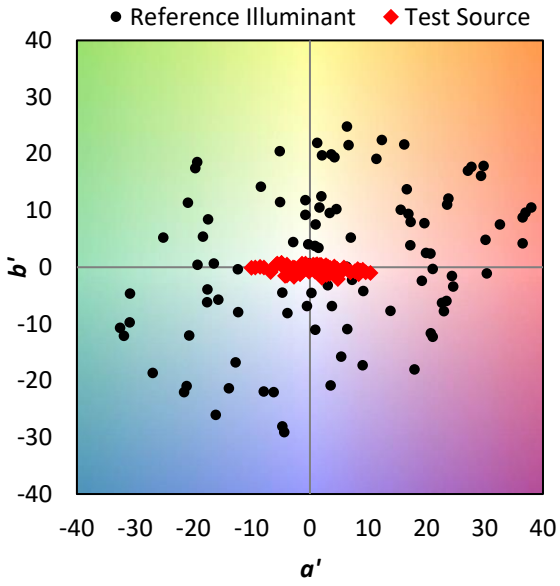
Summary

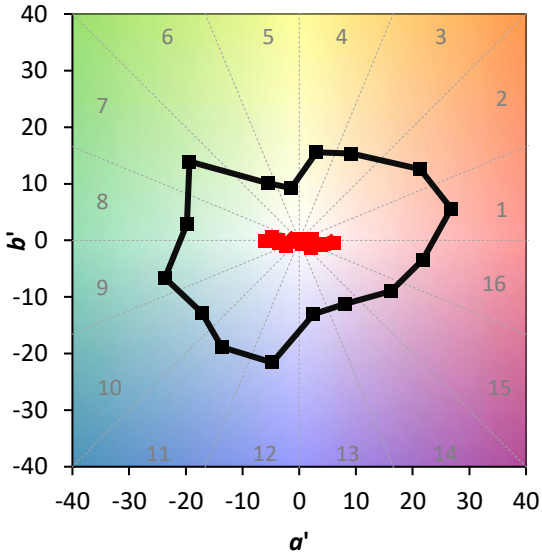
R_f = 1.2
R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

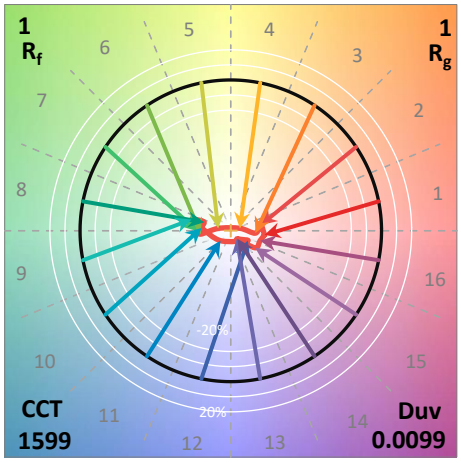
Spectral Power Distribution Comparison

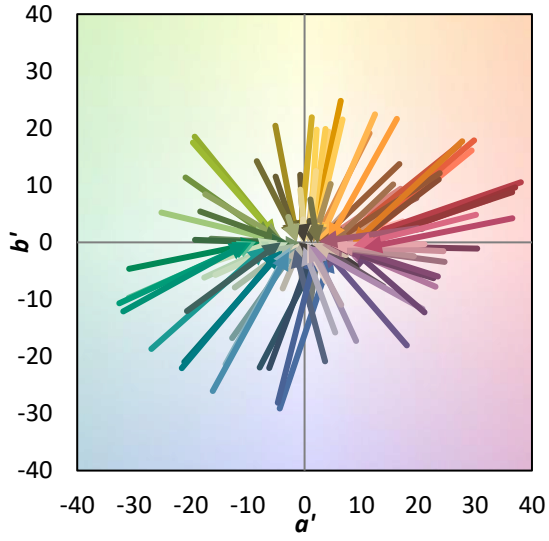


Color Vector Graphics







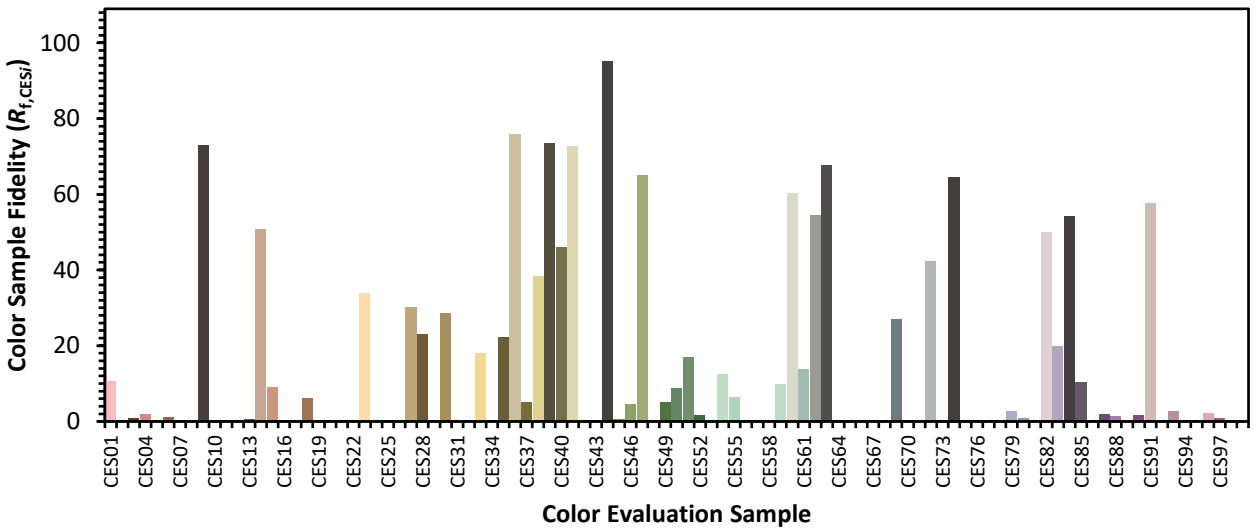


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Individual Sample Fidelity Index ($R_{f,i}$)

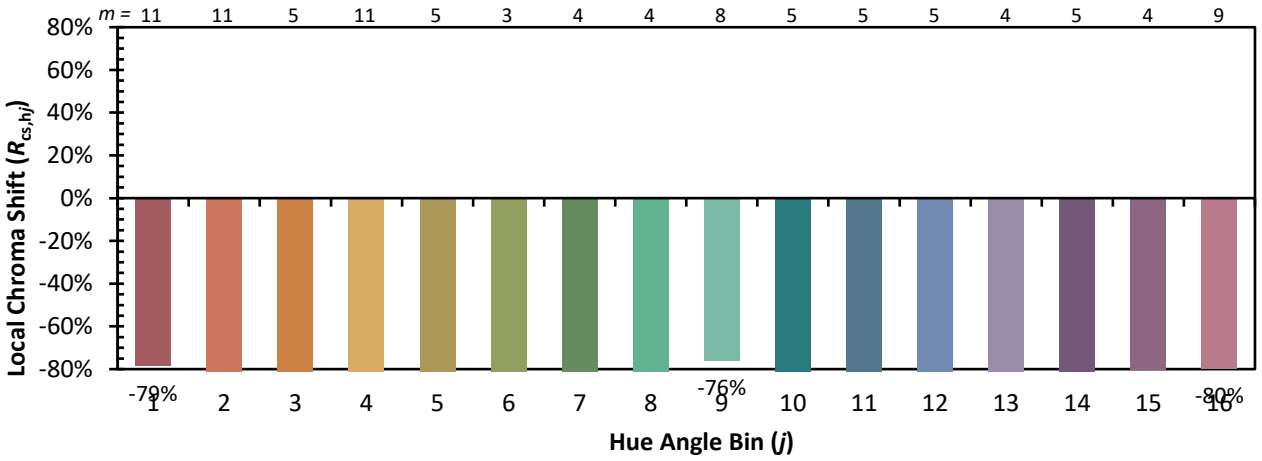
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 =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

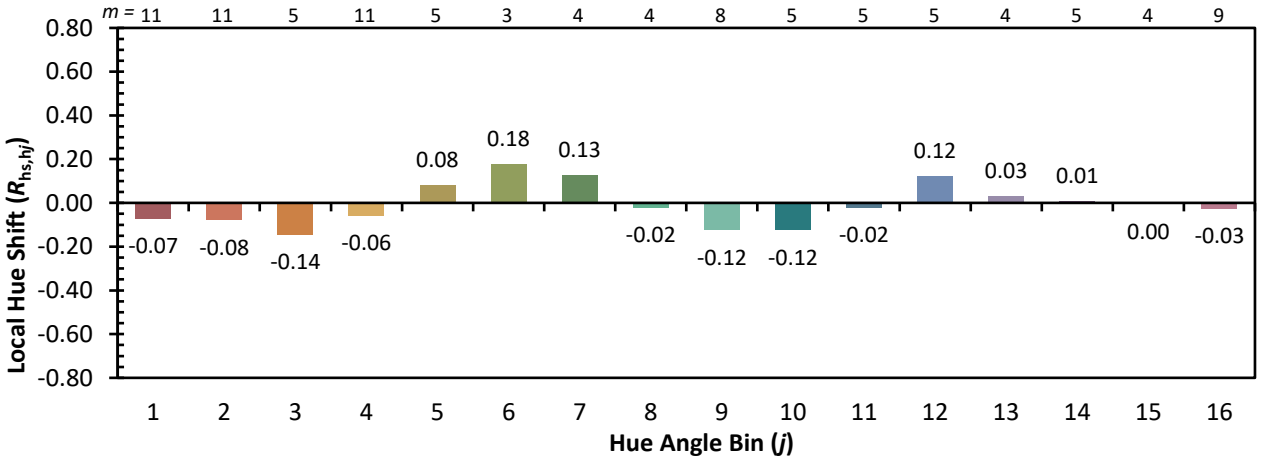


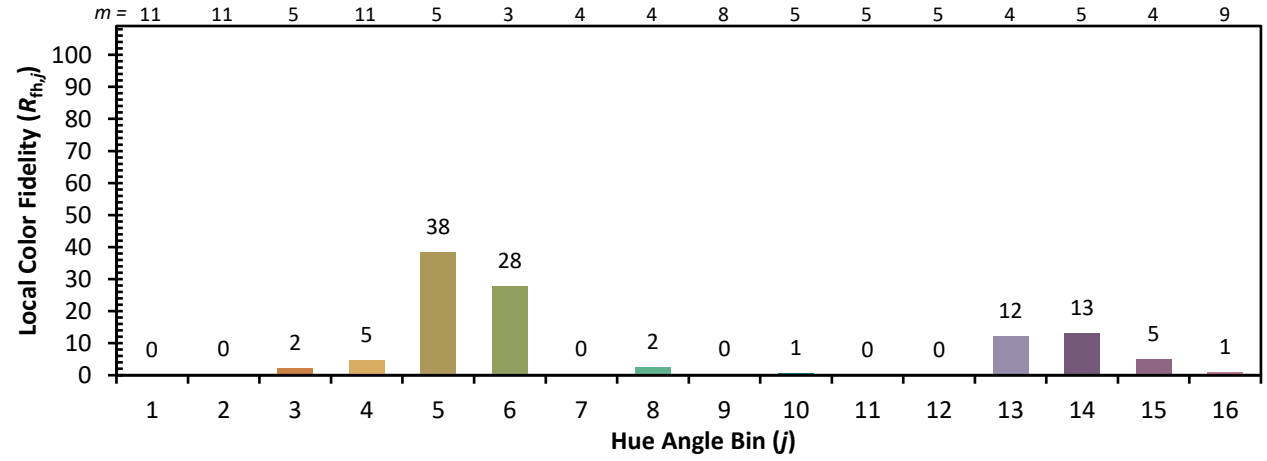
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Color Rendition by Hue-Angle Bin



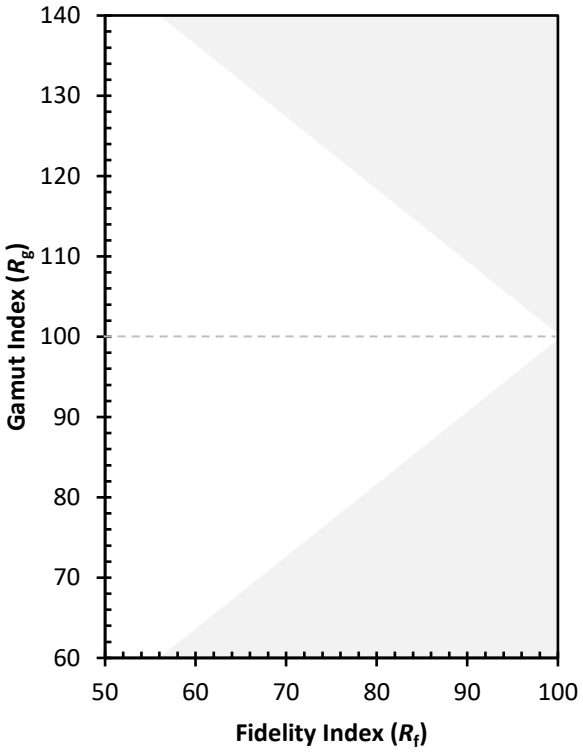


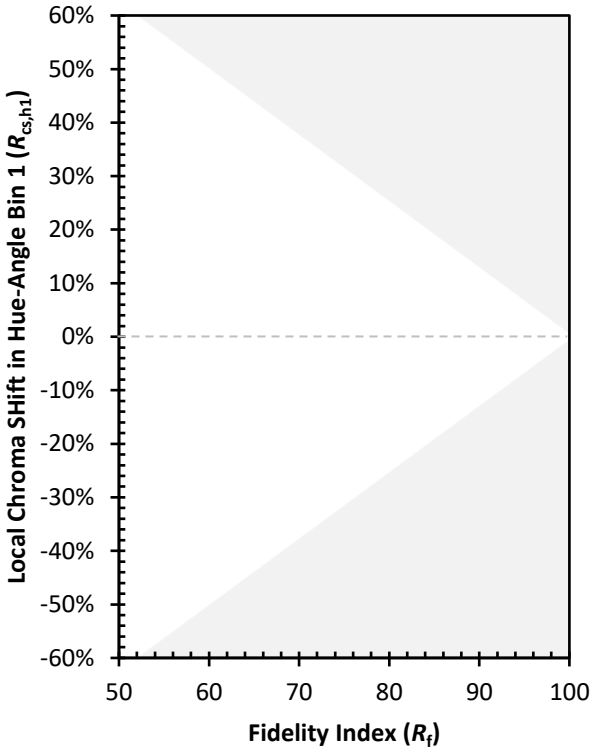


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Measure Comparisons





(END OF REPORT)