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-T4W

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-T4W
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 2SQUARE 68W 1590K FIXTURE w/ T4 WIDE DISTRIBUTION
Light Source:	(52) 1590K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4069.3 lumens
Efficiency:	N/A
Efficacy:	59.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
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

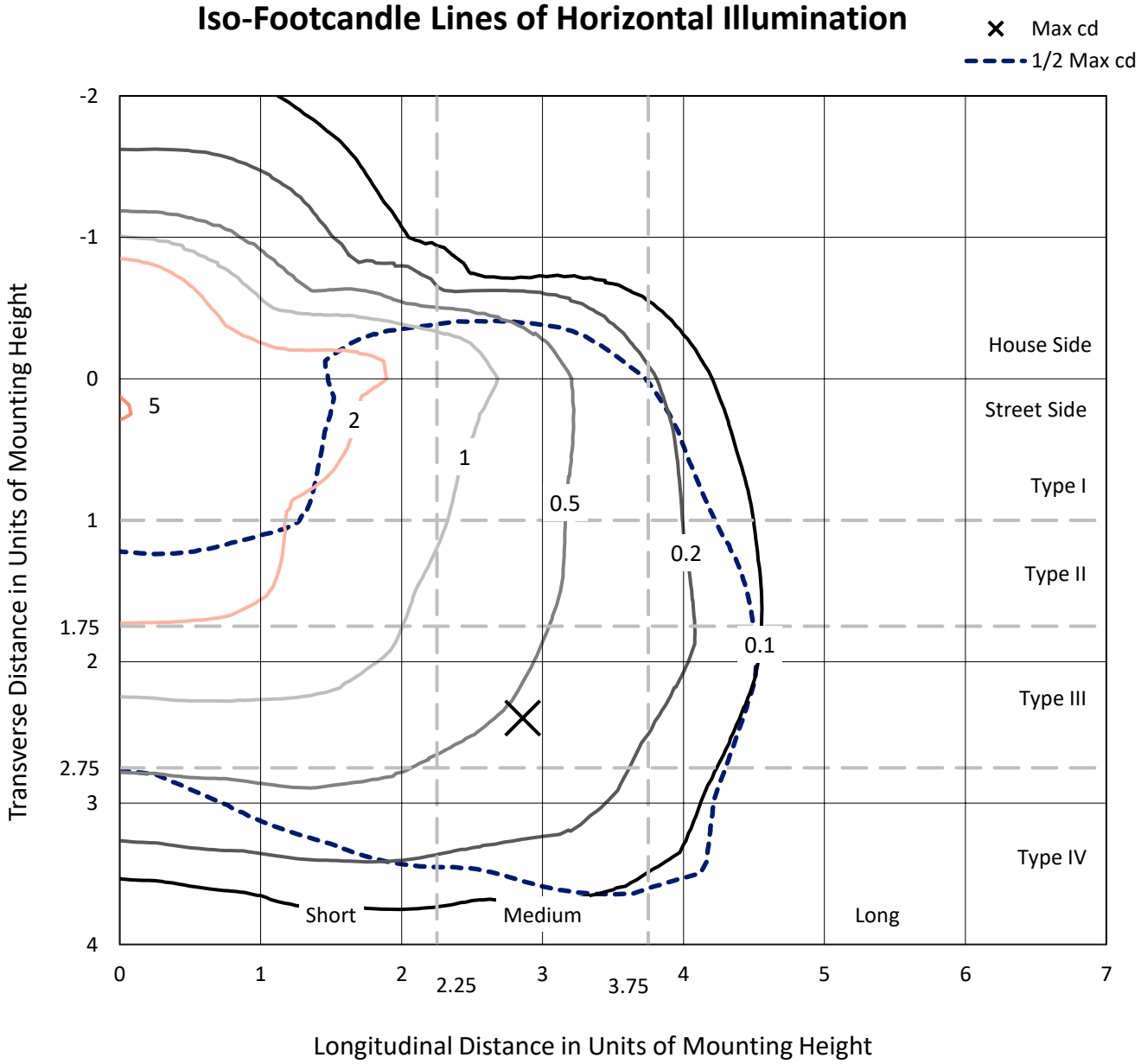


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REPORT NUMBER: P1704729
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Iso-Footcandle Lines of Horizontal Illumination



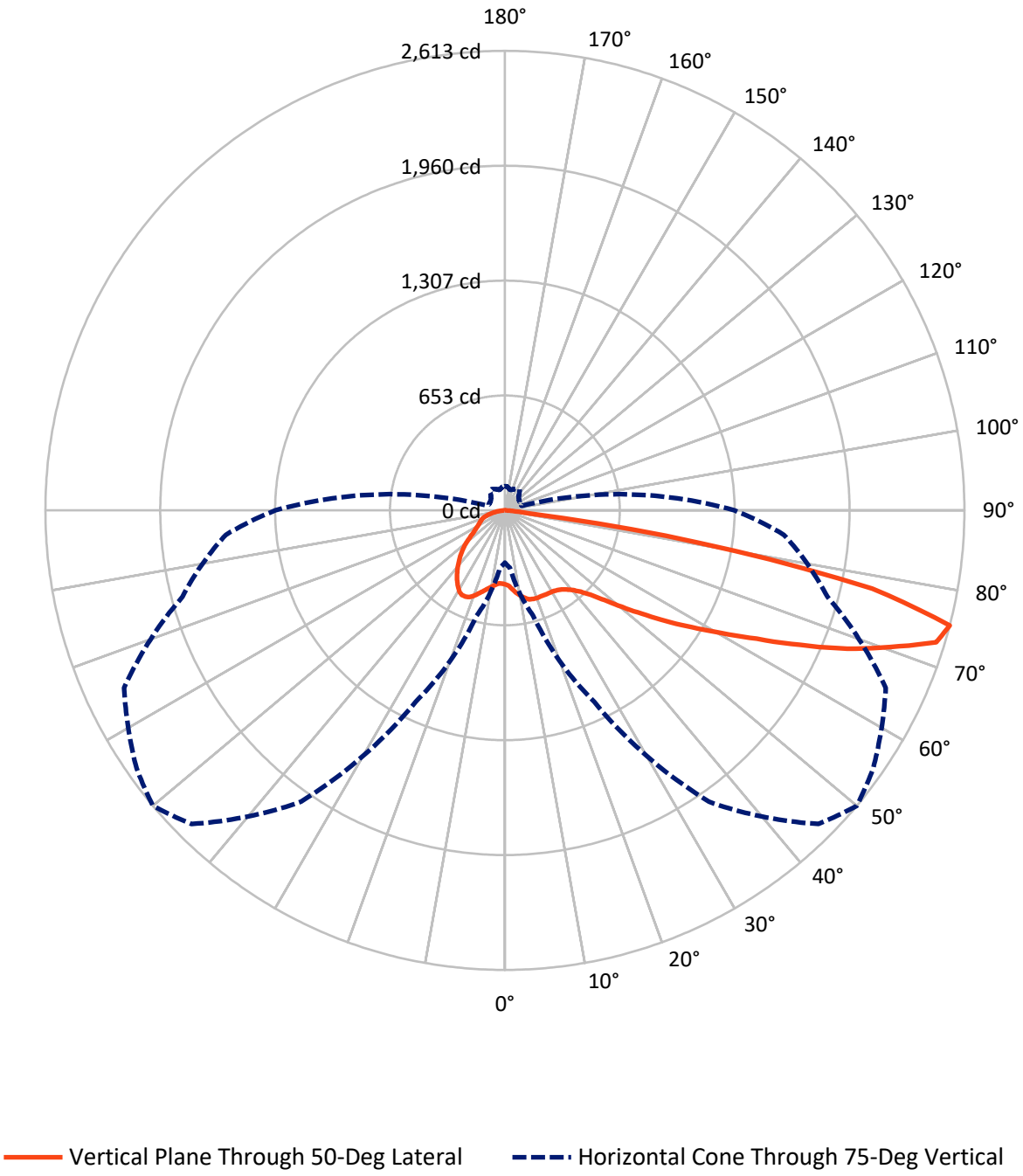
Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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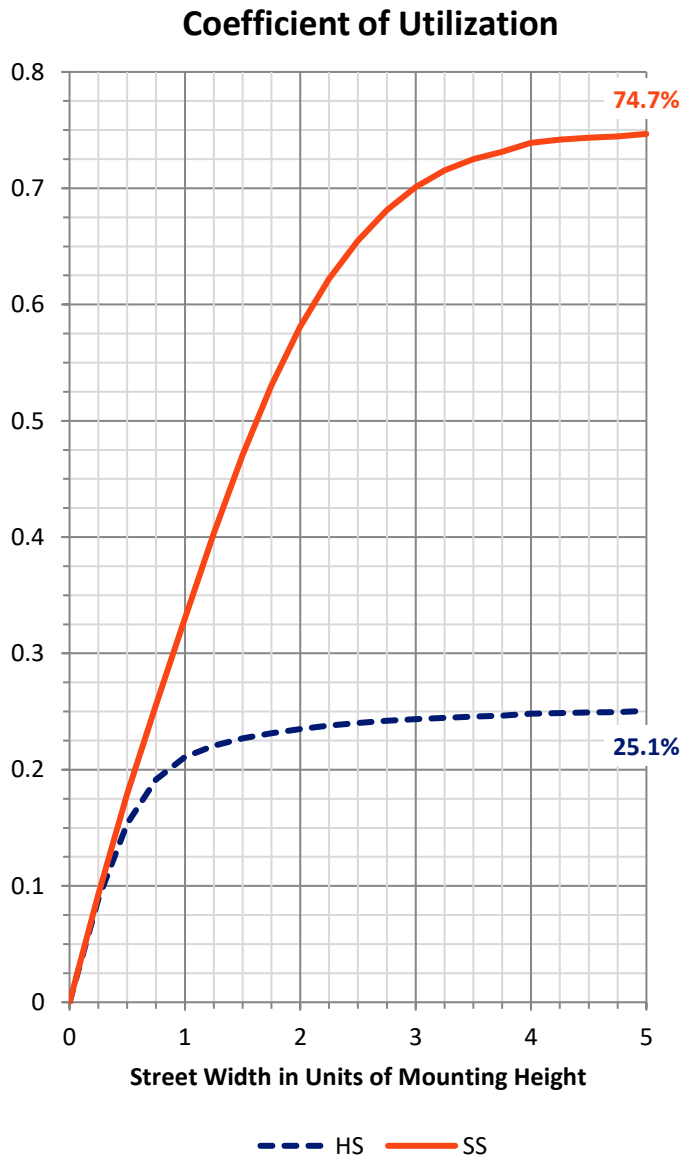
REPORT NUMBER: P1704729
CATALOG NUMBER: GSS-SB2A-AMB-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1030.9	0.0	1030.9
	% Fixture	25.3	0.0	25.3
Street Side	Lumens	3038.4	0.0	3038.4
	% Fixture	74.7	0.0	74.7
Total	Lumens	4069.3	0.0	4069.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	1.1
10°-20°	142.3	3.5
20°-30°	246.2	6.1
30°-40°	342.9	8.4
40°-50°	472.8	11.6
50°-60°	747.9	18.4
60°-70°	1117.9	27.5
70°-80°	894.7	22.0
80°-90°	61.8	1.5
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°	4069.3	100.0
0°-180°	4069.3	100.0



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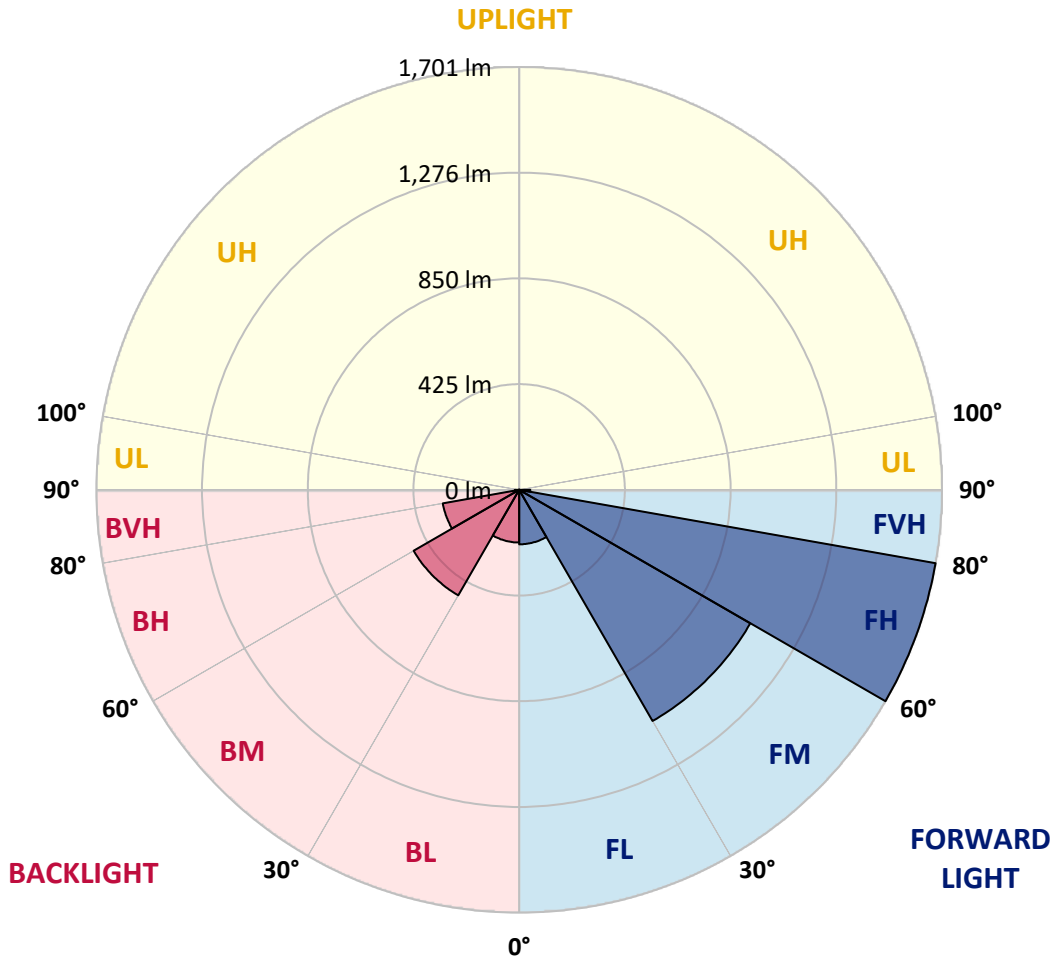
Scaled Data Report

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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	219.2	5.4			
FM	(30°-60°)	1073.6	26.4			
FH	(60°-80°)	1700.8	41.8			G1/1800
FVH	(80°-90°)	44.8	1.1			G1/100
BL	(0°-30°)	212.1	5.2	B1/500		
BM	(30°-60°)	490.0	12.0	B1/1000		
BH	(60°-80°)	311.8	7.7	B1/500		G1/500
BVH	(80°-90°)	17.0	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2
2.5°	445.2	441.2	441.2	439.2	437.2	433.2	429.2	431.2	427.2	425.2	423.2
5°	485.1	479.1	475.1	471.2	465.2	457.2	451.2	447.2	439.2	431.2	427.2
7.5°	517.1	517.1	509.1	505.1	493.1	483.1	475.1	469.2	455.2	443.2	435.2
10°	549.0	543.0	539.0	527.1	515.1	503.1	495.1	489.1	475.1	459.2	447.2
12.5°	565.0	565.0	553.0	541.0	529.0	517.1	511.1	507.1	493.1	479.1	463.2
15°	575.0	571.0	561.0	549.0	537.0	529.0	525.1	521.1	511.1	499.1	477.1
17.5°	569.0	565.0	553.0	543.0	535.0	533.0	529.0	527.1	521.1	511.1	491.1
20°	555.0	549.0	543.0	533.0	529.0	533.0	531.0	533.0	529.0	519.1	503.1
22.5°	539.0	535.0	531.0	521.1	523.1	529.0	529.0	535.0	533.0	529.0	513.1
25°	527.1	527.1	519.1	513.1	517.1	527.1	531.0	537.0	539.0	535.0	525.1
27.5°	525.1	521.1	517.1	511.1	515.1	525.1	533.0	543.0	549.0	545.0	539.0
30°	527.1	523.1	519.1	517.1	517.1	529.0	535.0	547.0	559.0	557.0	549.0
32.5°	541.0	537.0	533.0	525.1	525.1	535.0	541.0	557.0	573.0	573.0	561.0
35°	569.0	565.0	557.0	543.0	541.0	547.0	553.0	569.0	588.9	590.9	577.0
37.5°	628.9	624.9	602.9	577.0	563.0	565.0	571.0	584.9	610.9	612.9	596.9
40°	744.7	732.7	696.7	638.8	600.9	592.9	594.9	608.9	638.8	640.8	622.9
42.5°	872.4	866.4	820.5	736.7	664.8	632.9	632.9	642.8	680.8	686.8	660.8
45°	1020.2	1002.2	954.3	850.5	752.6	700.7	684.8	692.8	730.7	748.7	714.7
47.5°	1159.9	1145.9	1088.0	982.2	854.5	786.6	762.6	762.6	806.5	832.5	794.6
50°	1293.7	1277.7	1211.8	1130.0	994.2	892.4	862.4	852.5	898.4	944.3	900.4
52.5°	1367.5	1359.6	1329.6	1265.7	1149.9	1018.2	976.2	966.3	1024.2	1066.1	1028.1
55°	1437.4	1433.4	1447.4	1415.5	1327.6	1179.9	1110.0	1096.0	1159.9	1219.8	1175.9
57.5°	1511.3	1515.3	1567.2	1589.1	1529.2	1343.6	1253.7	1235.8	1333.6	1385.5	1351.6
60°	1595.1	1601.1	1661.0	1762.8	1738.9	1519.3	1415.5	1421.4	1511.3	1569.2	1569.2
62.5°	1627.1	1627.1	1766.8	1910.6	1940.5	1706.9	1607.1	1609.1	1716.9	1756.8	1756.8
65°	1509.3	1527.3	1710.9	1984.4	2148.1	1926.5	1844.7	1824.7	1890.6	1862.6	1888.6
67.5°	1465.4	1483.3	1663.0	1922.5	2291.9	2172.1	2100.2	2034.3	1984.4	1906.6	2054.3
70°	1323.6	1361.5	1625.1	2020.4	2349.8	2461.6	2325.8	2164.1	2096.2	2014.4	2142.1
72.5°	912.4	968.3	1285.7	1902.6	2483.5	2513.5	2565.4	2451.6	2281.9	2028.3	1990.4
75°	297.5	327.4	620.9	1201.8	2022.4	2521.5	2613.3	2557.4	2389.7	1898.6	1593.1
77.5°	93.8	93.8	163.7	417.2	930.3	2020.4	2136.2	1982.4	1974.4	1263.7	744.7
80°	51.9	55.9	87.8	149.7	267.5	830.5	1124.0	862.4	519.1	283.5	153.7
82.5°	24.0	27.9	45.9	71.9	151.7	121.8	137.8	131.8	175.7	91.8	47.9
85°	12.0	14.0	18.0	33.9	65.9	39.9	41.9	43.9	65.9	47.9	22.0
87.5°	2.0	2.0	4.0	6.0	12.0	8.0	8.0	10.0	12.0	12.0	10.0
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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REPORT NUMBER: P1704729
CATALOG NUMBER: GSS-SB2A-AMB-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2
2.5°	421.2	421.2	419.2	417.2	417.2	415.3	415.3	413.3	415.3	415.3	415.3
5°	423.2	423.2	417.2	415.3	415.3	417.2	417.2	417.2	417.2	421.2	423.2
7.5°	429.2	427.2	423.2	421.2	425.2	425.2	427.2	433.2	431.2	437.2	437.2
10°	443.2	439.2	433.2	433.2	437.2	439.2	441.2	445.2	449.2	451.2	453.2
12.5°	457.2	451.2	447.2	447.2	451.2	455.2	459.2	461.2	467.2	469.2	469.2
15°	471.2	467.2	463.2	463.2	469.2	473.1	477.1	483.1	485.1	491.1	493.1
17.5°	485.1	483.1	479.1	483.1	487.1	495.1	499.1	505.1	509.1	509.1	513.1
20°	499.1	497.1	499.1	503.1	509.1	517.1	523.1	523.1	525.1	525.1	529.0
22.5°	509.1	509.1	517.1	517.1	529.0	535.0	533.0	533.0	537.0	537.0	537.0
25°	521.1	527.1	535.0	529.0	539.0	539.0	541.0	541.0	539.0	543.0	539.0
27.5°	537.0	543.0	549.0	537.0	541.0	539.0	545.0	543.0	541.0	547.0	547.0
30°	553.0	559.0	559.0	539.0	529.0	527.1	537.0	541.0	545.0	551.0	553.0
32.5°	565.0	575.0	563.0	531.0	501.1	509.1	519.1	533.0	543.0	551.0	555.0
35°	583.0	590.9	567.0	509.1	477.1	483.1	501.1	519.1	529.0	535.0	541.0
37.5°	602.9	612.9	565.0	479.1	449.2	453.2	473.1	491.1	499.1	505.1	515.1
40°	626.9	636.9	561.0	451.2	423.2	421.2	435.2	441.2	449.2	461.2	475.1
42.5°	664.8	672.8	567.0	425.2	391.3	389.3	381.3	375.3	381.3	383.3	387.3
45°	718.7	722.7	577.0	407.3	365.3	355.4	323.4	309.4	299.5	281.5	291.5
47.5°	794.6	796.6	590.9	389.3	343.4	315.4	279.5	253.5	227.6	209.6	211.6
50°	904.4	906.4	604.9	367.3	313.4	273.5	241.6	215.6	193.7	177.7	177.7
52.5°	1048.1	1044.1	622.9	335.4	273.5	237.6	213.6	191.7	173.7	161.7	161.7
55°	1223.8	1245.8	660.8	291.5	231.6	213.6	195.6	179.7	163.7	153.7	151.7
57.5°	1441.4	1485.3	710.7	249.6	203.6	195.6	183.7	169.7	155.7	143.7	143.7
60°	1724.9	1750.8	750.6	209.6	181.7	181.7	173.7	161.7	143.7	129.8	127.8
62.5°	2010.4	1960.5	676.8	181.7	165.7	169.7	161.7	145.7	137.8	131.8	131.8
65°	2218.0	2078.3	487.1	161.7	153.7	161.7	149.7	151.7	145.7	141.7	141.7
67.5°	2403.7	2156.1	311.4	147.7	141.7	151.7	159.7	161.7	151.7	137.8	135.8
70°	2327.8	1922.5	169.7	129.8	131.8	143.7	179.7	157.7	139.7	129.8	125.8
72.5°	1940.5	1509.3	127.8	113.8	113.8	135.8	165.7	145.7	125.8	119.8	117.8
75°	*1305.6*	*900.4*	*99.8*	*95.8*	*97.8*	*109.8*	*145.7*	*133.8*	*119.8*	*135.8*	*137.8*
77.5°	527.1	327.4	79.9	75.9	71.9	91.8	131.8	123.8	107.8	113.8	97.8
80°	145.7	97.8	57.9	53.9	51.9	73.9	107.8	95.8	75.9	79.9	69.9
82.5°	49.9	43.9	41.9	35.9	33.9	47.9	71.9	61.9	55.9	49.9	49.9
85°	20.0	22.0	22.0	20.0	18.0	26.0	47.9	37.9	37.9	29.9	29.9
87.5°	10.0	10.0	8.0	6.0	6.0	8.0	14.0	6.0	6.0	6.0	6.0
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

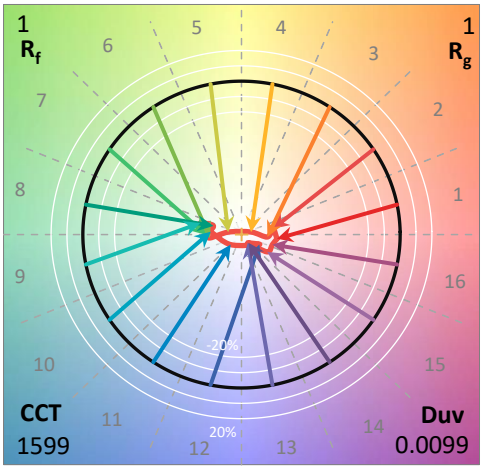
Test Information

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

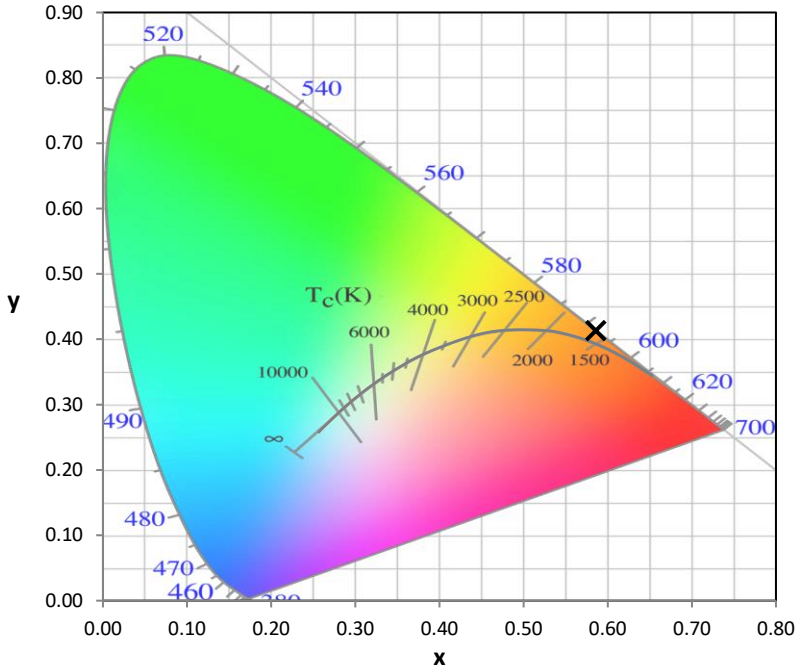
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

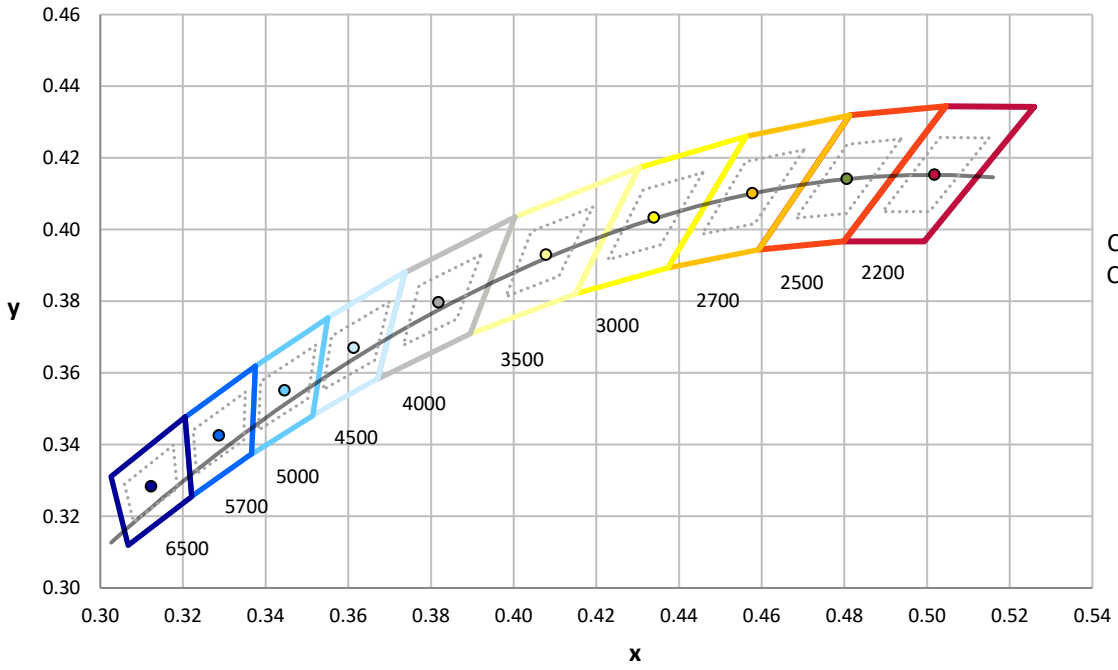
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024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

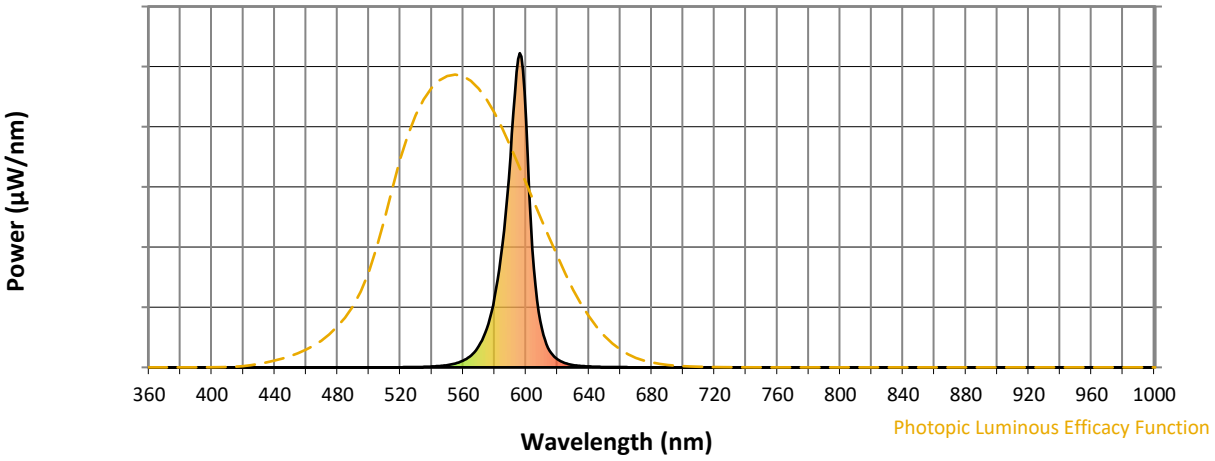


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

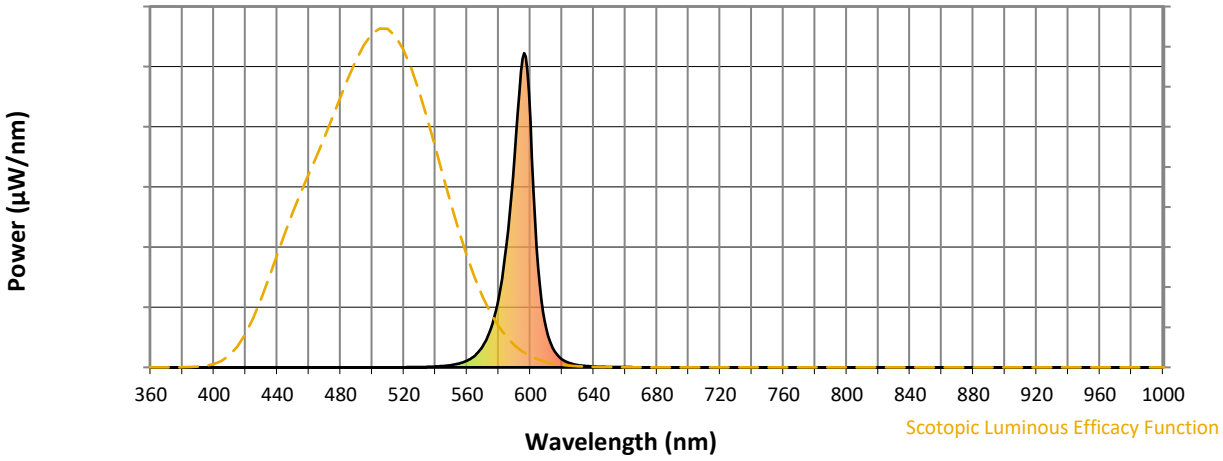


Photopic Lumens: NR

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

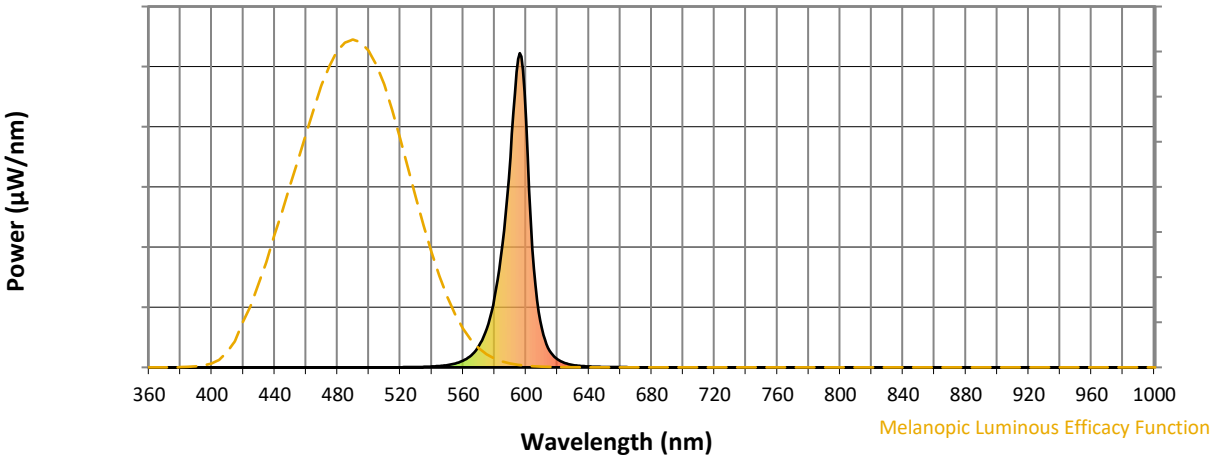


Scotopic Lumens: NR **S/P: 0.23**

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			

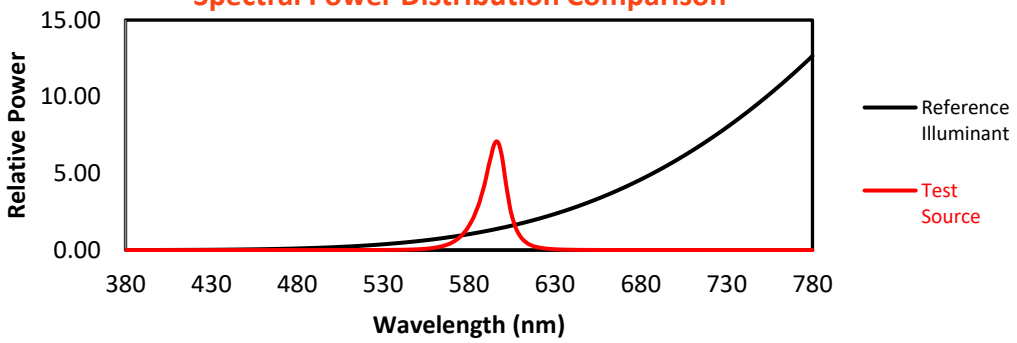
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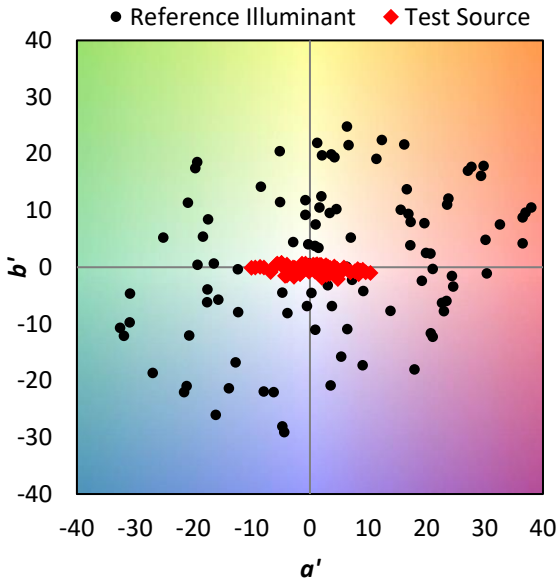
Summary

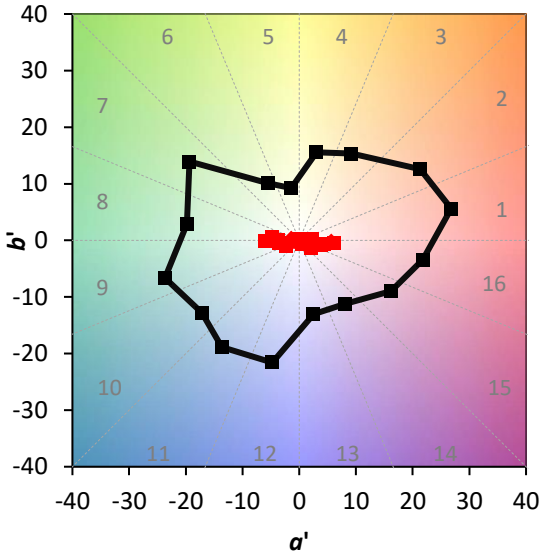
R_f = 1.2
R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

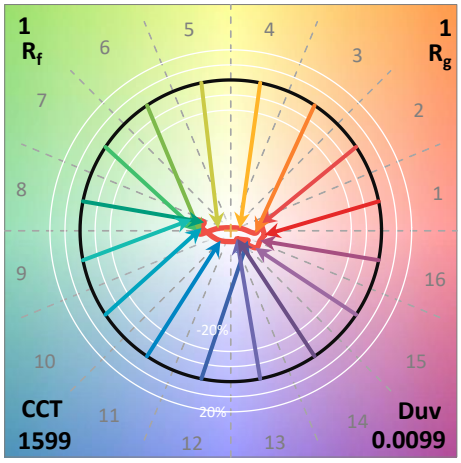
Spectral Power Distribution Comparison

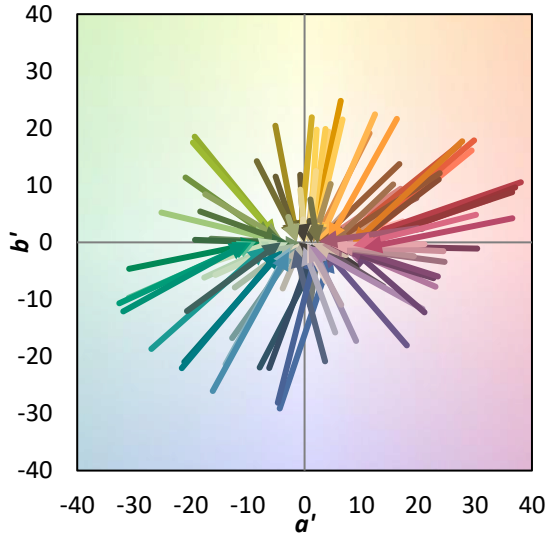


Color Vector Graphics







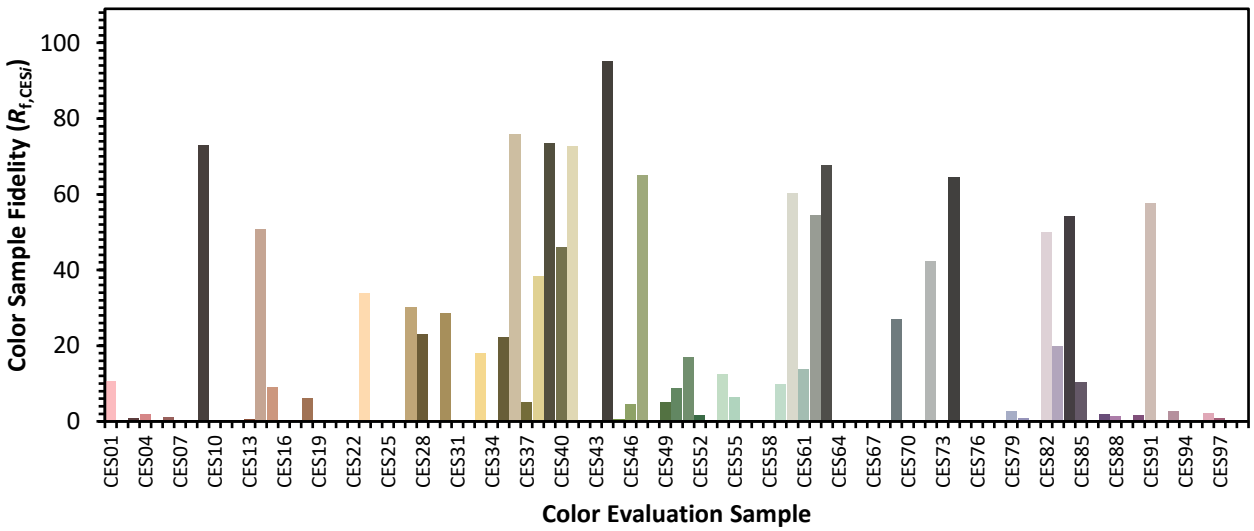


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Individual Sample Fidelity Index ($R_{f,i}$)

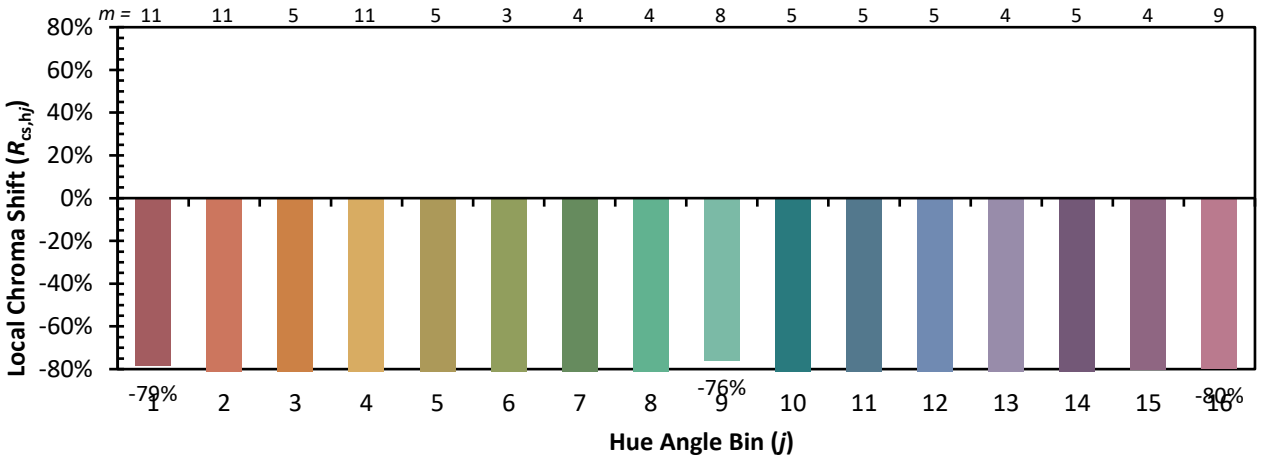
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 =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

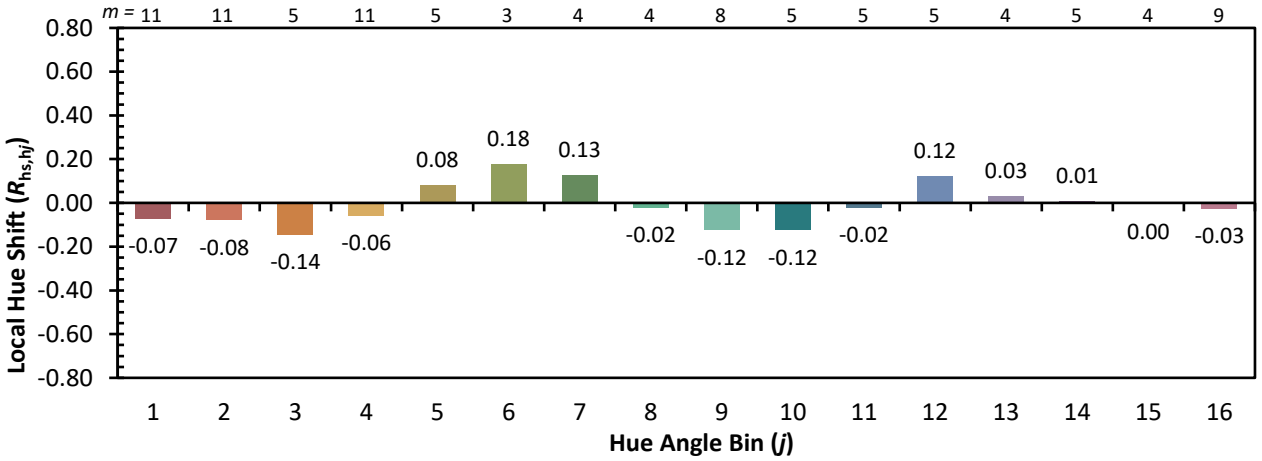


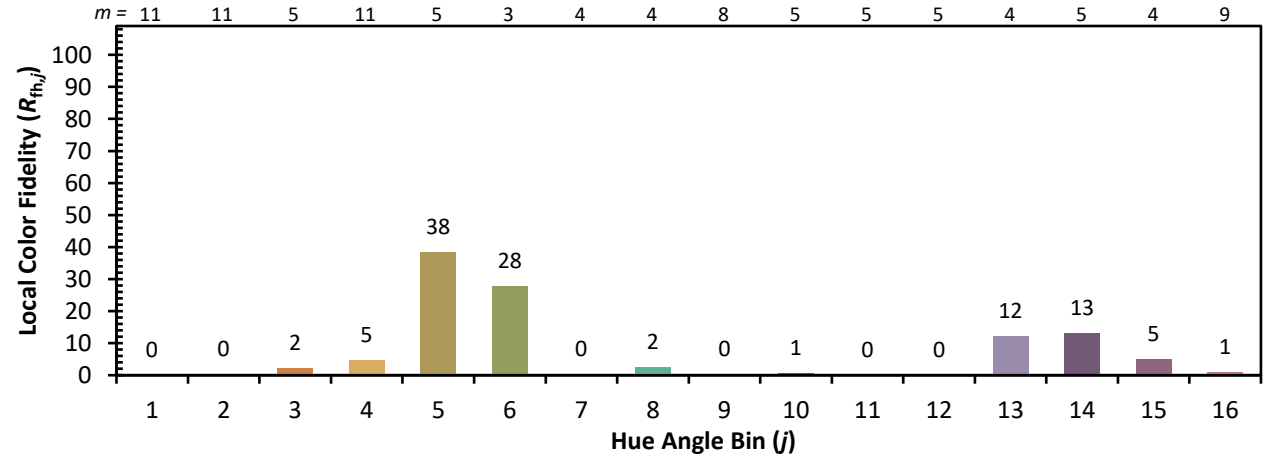
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Color Rendition by Hue-Angle Bin



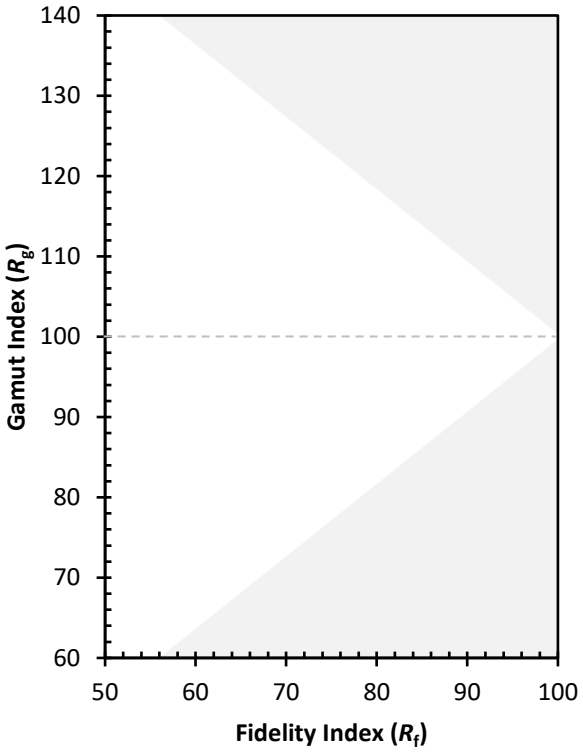


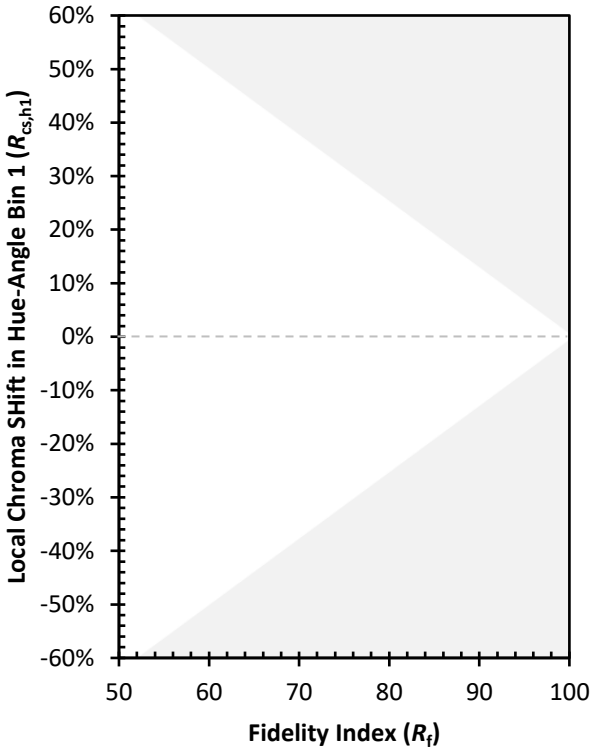


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Measure Comparisons





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