Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Peachtree City, GA 30269

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: P1704730

Luminaire Tested: GSS-SB3A-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:	P1704730
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	10/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-AMB-U-T3R-HSS
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 3SQUARE 101W 1590K FIXTURE w/ T3 ROADWAY DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(78) 1590K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5104.5 lumens
Efficiency:	N/A
Efficacy:	50.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	101
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

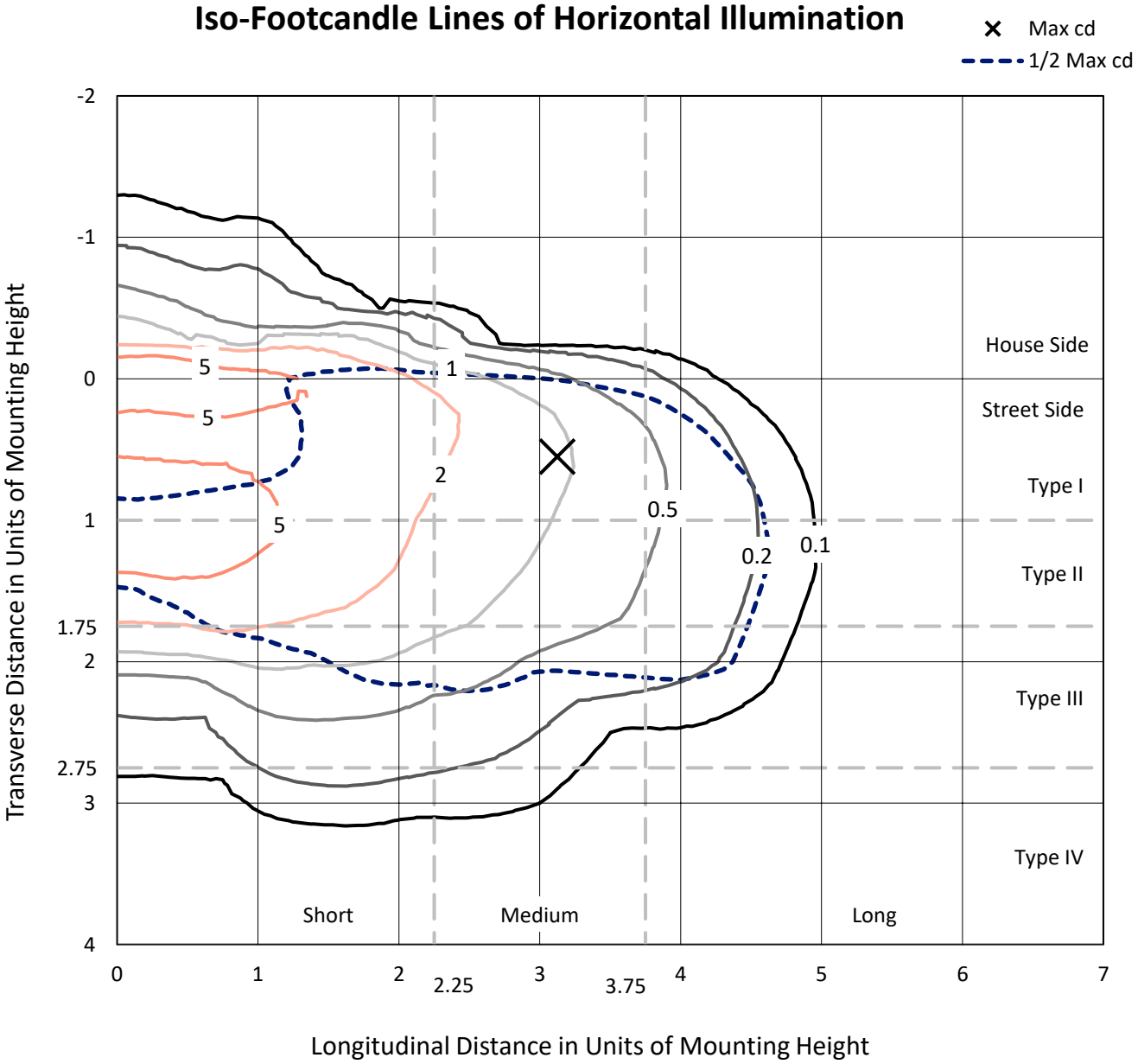


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REPORT NUMBER: P1704730
CATALOG NUMBER: GSS-SB3A-AMB-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination



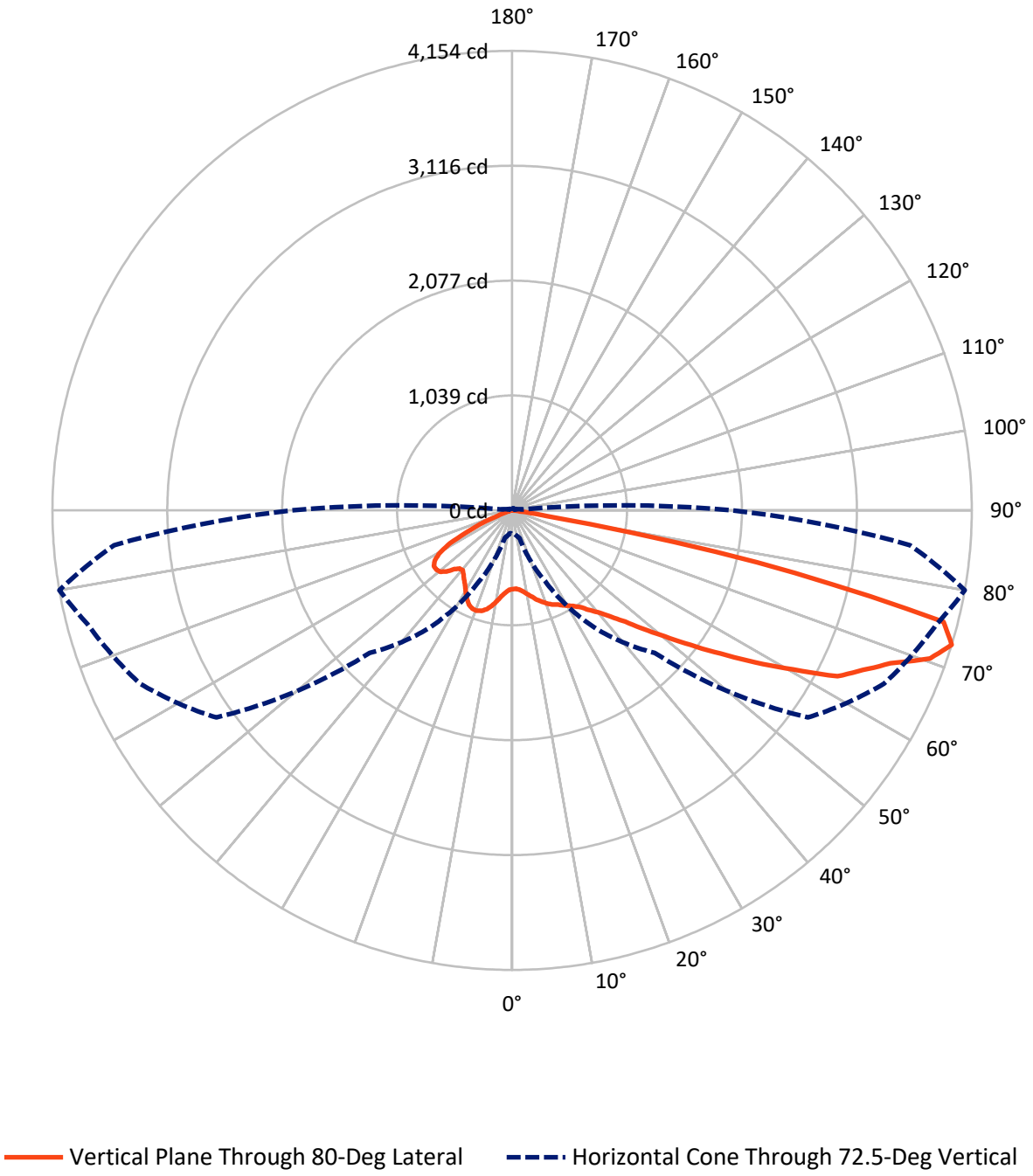
Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
Type III - Medium - N/A

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REPORT NUMBER: P1704730
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Luminous Intensity Polar Plot



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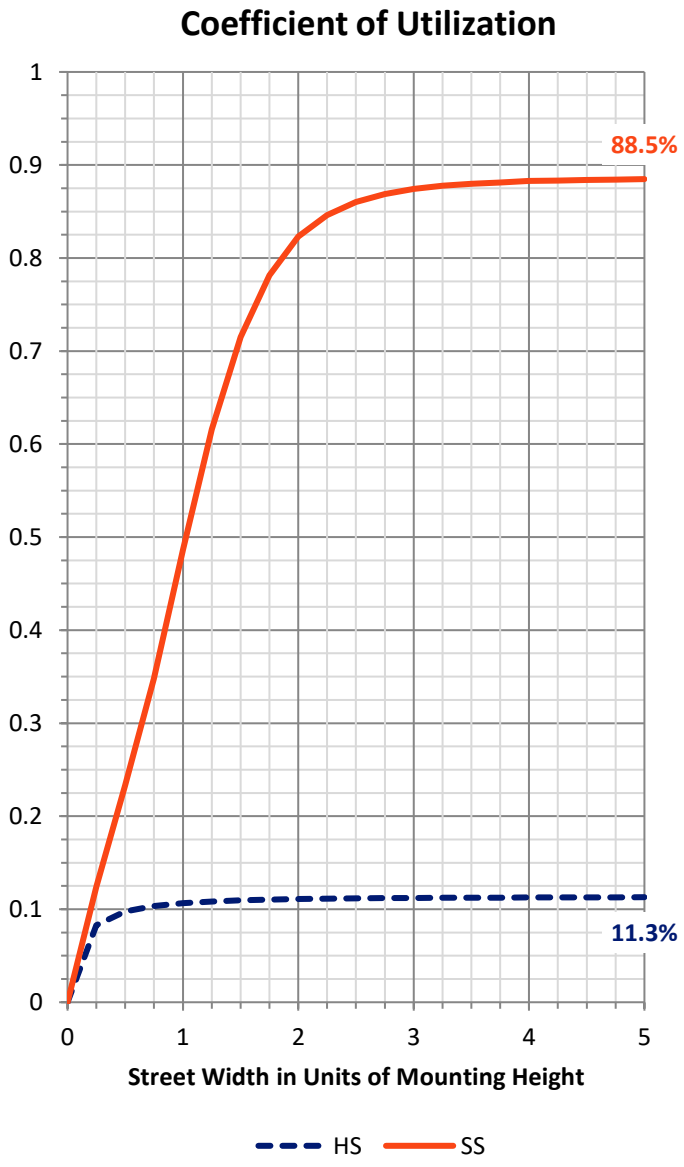
REPORT NUMBER: P1704730
CATALOG NUMBER: GSS-SB3A-AMB-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	580.9	0.0	580.9
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	4523.6	0.0	4523.6
	% Fixture	88.6	0.0	88.6
Total	Lumens	5104.5	0.0	5104.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	1.3
10°-20°	158.8	3.1
20°-30°	237.2	4.6
30°-40°	405.8	7.9
40°-50°	816.1	16.0
50°-60°	1288.6	25.2
60°-70°	1299.6	25.5
70°-80°	803.1	15.7
80°-90°	30.1	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°	5104.5	100.0
0°-180°	5104.5	100.0



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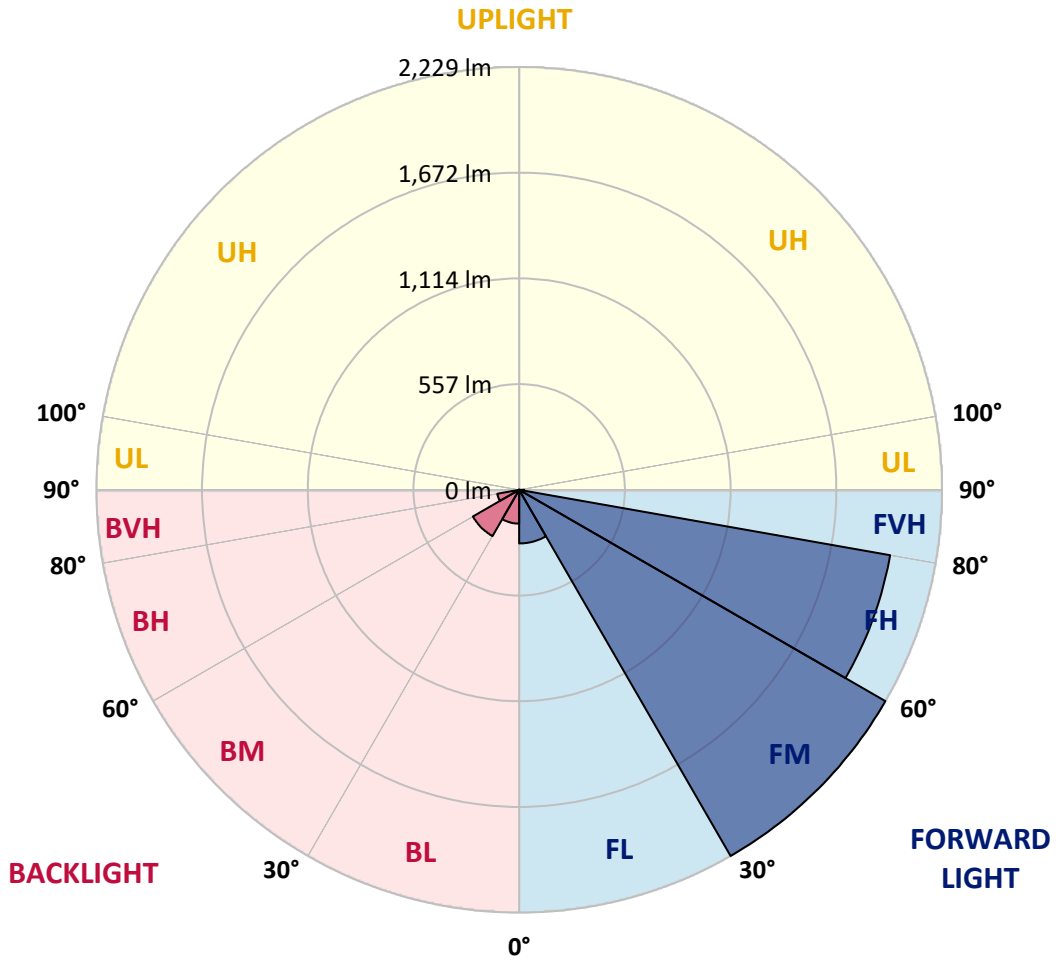
Scaled Data Report

REPORT NUMBER: P1704730
CATALOG NUMBER: GSS-SB3A-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°)	282.8	5.5			
FM	(30°-60°)	2229.0	43.7			
FH	(60°-80°)	1985.7	38.9			G2/5000
FVH	(80°-90°)	26.1	0.5			G1/100
BL	(0°-30°)	178.5	3.5	B1/500		
BM	(30°-60°)	281.5	5.5	B1/1000		
BH	(60°-80°)	117.1	2.3	B1/500		G1/500
BVH	(80°-90°)	3.9	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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REPORT NUMBER: P1704730
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	*711.8*	711.8
2.5°	690.9	684.9	684.9	687.9	693.9	696.8	702.8	705.8	708.8	*708.8*	711.8
5°	643.0	637.0	637.0	646.0	655.0	663.9	681.9	693.9	714.8	*720.8*	726.8
7.5°	577.2	571.2	574.2	586.2	610.1	637.0	663.9	693.9	729.7	*741.7*	753.7
10°	547.3	541.3	544.3	553.3	568.2	604.1	649.0	696.8	750.7	*771.6*	789.6
12.5°	538.3	532.4	532.4	538.3	553.3	577.2	634.0	699.8	774.6	*801.5*	831.4
15°	538.3	535.3	532.4	535.3	544.3	571.2	622.1	708.8	798.5	*837.4*	867.3
17.5°	538.3	535.3	535.3	538.3	547.3	568.2	622.1	714.8	822.5	*867.3*	906.2
20°	544.3	541.3	538.3	541.3	550.3	574.2	622.1	723.8	846.4	*897.2*	936.1
22.5°	553.3	553.3	550.3	553.3	562.3	586.2	628.1	732.7	876.3	*924.1*	969.0
25°	568.2	565.3	559.3	565.3	577.2	598.1	643.0	744.7	897.2	*942.1*	992.9
27.5°	589.2	586.2	574.2	580.2	595.2	622.1	666.9	762.6	924.1	*972.0*	1019.8
30°	771.6	756.7	687.9	625.1	622.1	646.0	690.9	786.6	954.0	*998.9*	1049.8
32.5°	1097.6	1064.7	966.0	798.5	675.9	675.9	723.8	822.5	984.0	*1031.8*	1082.7
35°	1447.5	1402.7	1262.1	1055.7	828.4	735.7	762.6	855.4	1031.8	*1076.7*	1139.5
37.5°	1749.6	1731.6	1594.1	1360.8	1079.7	852.4	831.4	915.2	1091.6	*1145.5*	1217.2
40°	2048.7	2024.7	1938.0	1710.7	1396.7	1052.7	927.1	998.9	1163.4	*1214.2*	1301.0
42.5°	2287.9	2246.1	2231.1	2084.6	1752.6	1348.8	1079.7	1103.6	1262.1	*1315.9*	1435.6
45°	2416.5	2416.5	2464.4	2458.4	2156.3	1683.8	1289.0	1235.2	1387.7	*1435.6*	1591.1
47.5°	2593.0	2581.0	2676.7	2790.4	2590.0	2036.7	1516.3	1387.7	1534.3	*1603.0*	1788.5
50°	2796.3	2787.4	2868.1	3026.6	2954.9	2458.4	1788.5	1591.1	1728.7	*1791.5*	2015.8
52.5°	2742.5	2766.4	2960.8	3176.2	3224.0	2823.3	2108.5	1821.4	1938.0	*2018.8*	2284.9
55°	2171.3	2273.0	2907.0	3236.0	3367.6	3155.2	2467.4	2072.6	2192.2	*2284.9*	2566.1
57.5°	1752.6	1785.5	2290.9	3119.3	3316.7	3370.6	2787.4	2332.8	2461.4	*2593.0*	2877.1
60°	1588.1	1606.0	1857.3	2877.1	3056.5	3403.5	3101.4	2607.9	2802.3	*2919.0*	3218.0
62.5°	1028.8	1055.7	1423.6	2317.8	2790.4	3224.0	3310.8	2942.9	3164.2	*3301.8*	3520.1
65°	496.5	511.4	732.7	1606.0	2476.3	3116.4	3421.4	3259.9	3382.5	*3481.2*	3523.1
67.5°	323.0	343.9	394.8	1289.0	1932.0	3110.4	3469.3	3313.7	3496.2	*3687.6*	3636.7
70°	275.1	278.1	323.0	1028.8	1621.0	2610.9	3283.8	3538.1	3810.2	*4007.6*	3696.6
72.5°	*212.3*	*206.4*	*257.2*	*708.8*	*1289.0*	*1821.4*	*3262.9*	*3708.5*	*3971.7*	*4154.1*	*3609.8*
75°	71.8	80.8	128.6	293.1	613.1	1259.1	1755.6	3807.2	3971.7	*4028.5*	3062.5
77.5°	50.8	56.8	101.7	140.6	239.3	640.0	595.2	2733.5	2652.8	*2264.0*	1438.5
80°	38.9	44.9	92.7	86.7	56.8	167.5	164.5	451.6	604.1	*323.0*	194.4
82.5°	15.0	17.9	74.8	53.8	32.9	35.9	47.9	95.7	155.5	*68.8*	47.9
85°	9.0	12.0	47.9	23.9	15.0	15.0	23.9	29.9	38.9	*26.9*	20.9
87.5°	0.0	0.0	3.0	3.0	6.0	6.0	9.0	12.0	12.0	*12.0*	12.0
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: P1704730
CATALOG NUMBER: GSS-SB3A-AMB-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8
2.5°	711.8	714.8	720.8	717.8	729.7	726.8	732.7	738.7	741.7	741.7	741.7
5°	726.8	738.7	750.7	762.6	765.6	762.6	753.7	744.7	735.7	732.7	729.7
7.5°	762.6	768.6	795.5	798.5	780.6	735.7	687.9	649.0	613.1	601.1	592.2
10°	801.5	816.5	846.4	822.5	744.7	652.0	568.2	490.5	430.7	406.7	406.7
12.5°	846.4	873.3	891.2	813.5	681.9	529.4	394.8	290.1	245.2	218.3	224.3
15°	897.2	927.1	921.1	780.6	577.2	361.9	227.3	179.4	161.5	158.5	158.5
17.5°	936.1	972.0	927.1	714.8	424.7	227.3	161.5	152.5	149.5	149.5	149.5
20°	975.0	1013.9	909.2	604.1	278.1	164.5	149.5	146.5	143.6	143.6	146.5
22.5°	1016.9	1046.8	870.3	451.6	185.4	146.5	143.6	140.6	137.6	137.6	137.6
25°	1046.8	1073.7	801.5	314.0	149.5	140.6	134.6	131.6	125.6	125.6	125.6
27.5°	1079.7	1088.6	705.8	218.3	134.6	131.6	125.6	119.6	113.6	113.6	113.6
30°	1115.5	1100.6	598.1	155.5	125.6	122.6	110.7	101.7	98.7	101.7	104.7
32.5°	1166.4	1118.5	481.5	131.6	116.6	107.7	95.7	86.7	83.7	89.7	89.7
35°	1232.2	1136.5	391.8	122.6	110.7	95.7	77.8	71.8	71.8	74.8	74.8
37.5°	1312.9	1154.4	302.1	119.6	101.7	80.8	65.8	59.8	59.8	59.8	62.8
40°	1414.6	1175.4	227.3	122.6	98.7	71.8	59.8	53.8	53.8	56.8	56.8
42.5°	1558.2	1229.2	185.4	125.6	92.7	62.8	53.8	50.8	50.8	50.8	53.8
45°	1704.7	1315.9	173.5	122.6	92.7	62.8	50.8	47.9	47.9	47.9	47.9
47.5°	1866.2	1432.6	185.4	119.6	92.7	65.8	47.9	44.9	47.9	47.9	47.9
50°	2012.8	1507.3	200.4	116.6	92.7	68.8	47.9	44.9	44.9	44.9	47.9
52.5°	2177.3	1525.3	212.3	107.7	86.7	71.8	47.9	41.9	41.9	44.9	41.9
55°	2320.8	1519.3	215.3	95.7	77.8	71.8	47.9	41.9	41.9	41.9	41.9
57.5°	2491.3	1477.4	188.4	77.8	65.8	62.8	47.9	38.9	38.9	38.9	38.9
60°	2646.8	1378.7	143.6	65.8	56.8	50.8	44.9	38.9	38.9	35.9	35.9
62.5°	2727.6	1175.4	95.7	53.8	44.9	41.9	41.9	35.9	32.9	29.9	29.9
65°	2464.4	801.5	65.8	44.9	38.9	35.9	35.9	32.9	29.9	23.9	23.9
67.5°	2362.7	526.4	50.8	38.9	32.9	29.9	29.9	29.9	26.9	20.9	20.9
70°	2198.2	224.3	41.9	32.9	26.9	23.9	23.9	26.9	20.9	17.9	17.9
72.5°	*1985.9*	*92.7*	*35.9*	*29.9*	*20.9*	*17.9*	*20.9*	*20.9*	*17.9*	*15.0*	*15.0*
75°	1492.4	53.8	29.9	23.9	17.9	15.0	17.9	17.9	15.0	12.0	12.0
77.5°	586.2	35.9	23.9	17.9	15.0	12.0	15.0	12.0	12.0	9.0	9.0
80°	116.6	26.9	17.9	15.0	12.0	9.0	12.0	9.0	6.0	6.0	6.0
82.5°	35.9	20.9	15.0	12.0	9.0	9.0	6.0	6.0	6.0	6.0	3.0
85°	20.9	15.0	9.0	9.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0
87.5°	12.0	9.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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

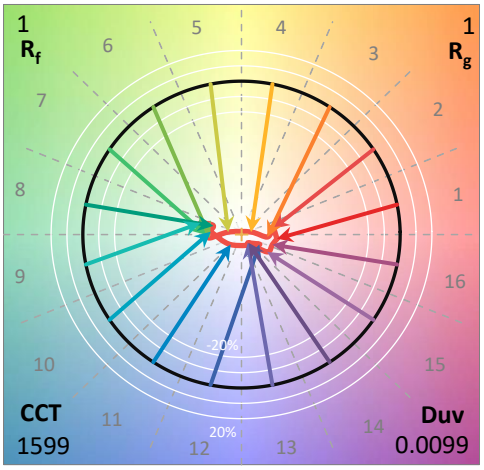
Test Information

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

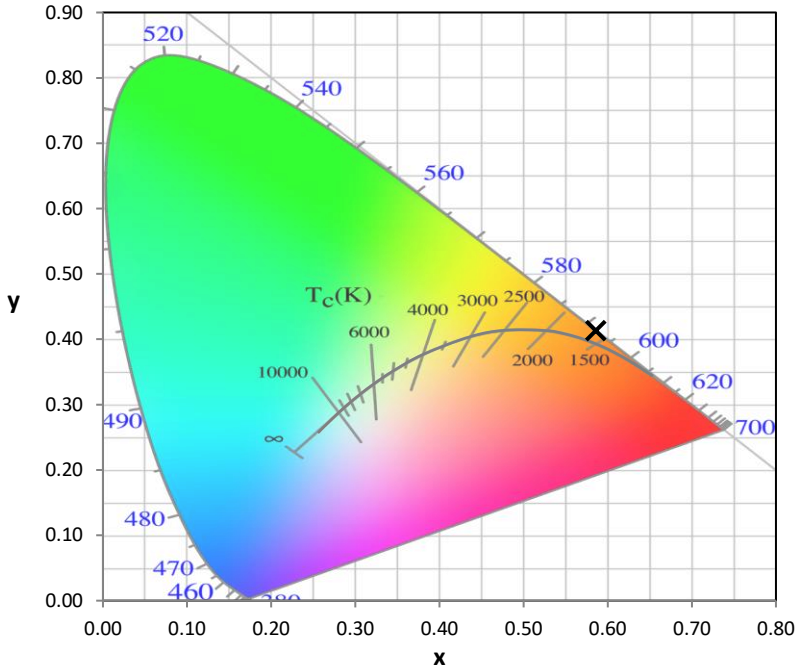
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

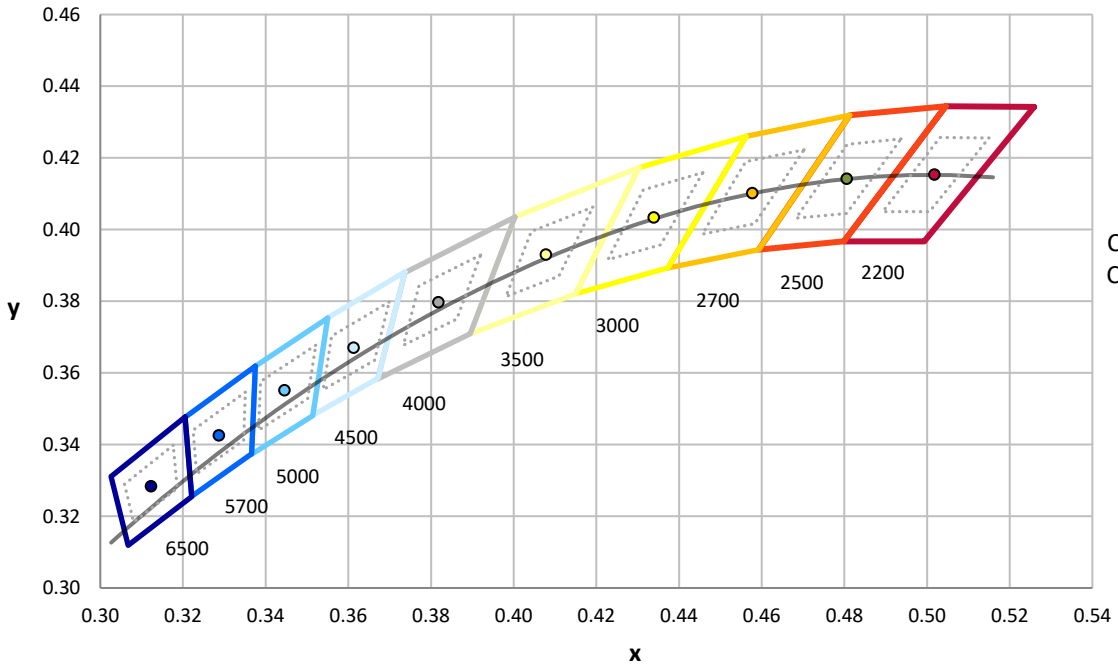
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024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

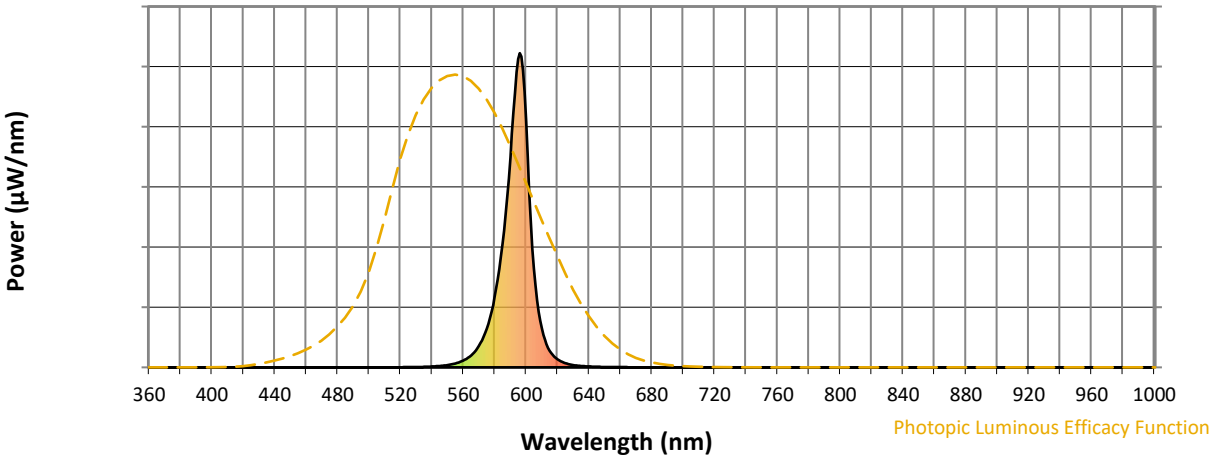


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

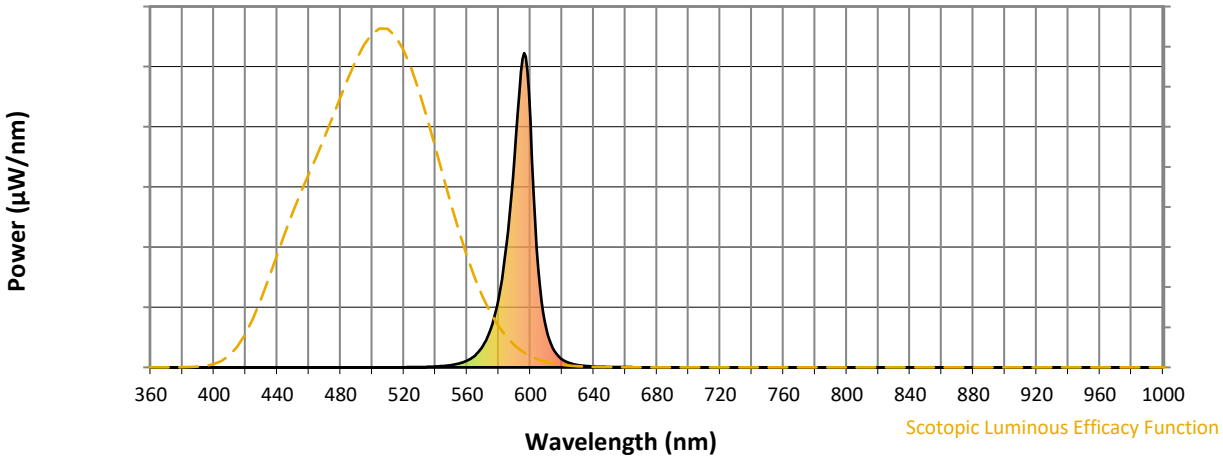


Photopic Lumens: NR

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

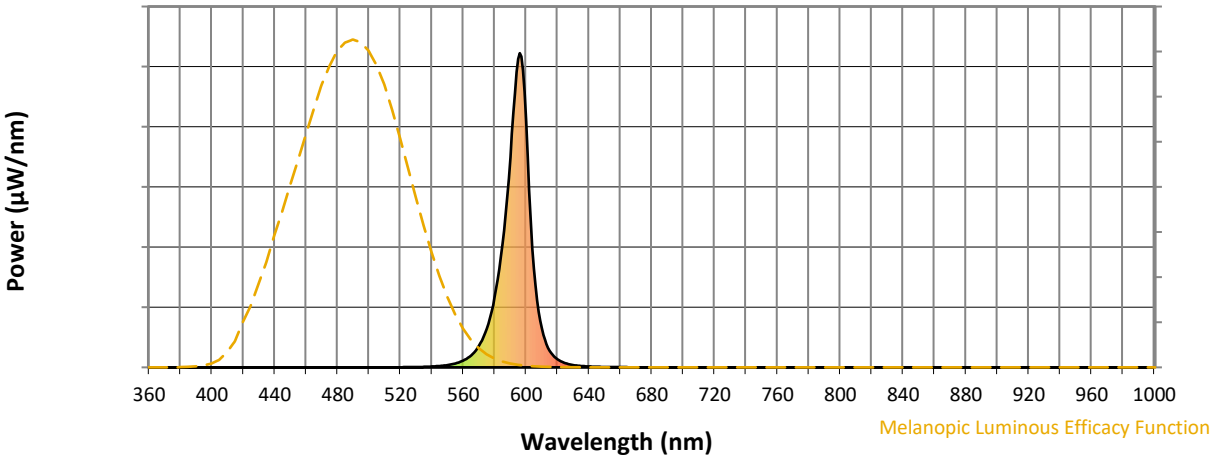


Scotopic Lumens: NR **S/P: 0.23**

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			

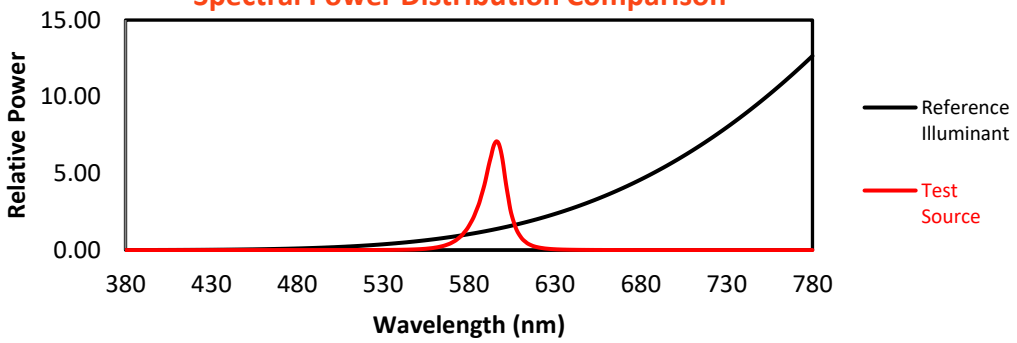
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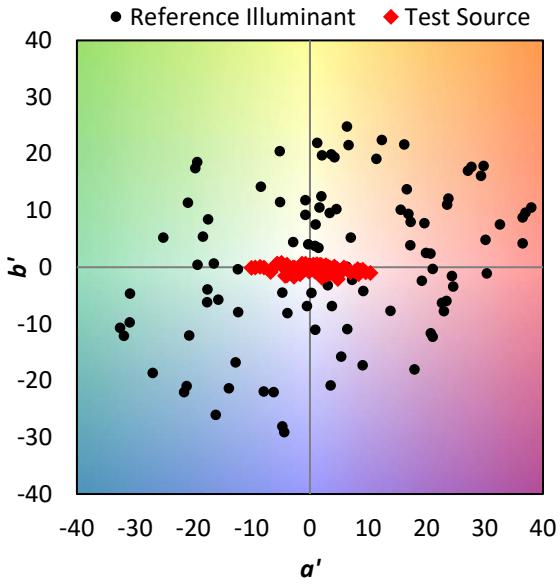
Summary

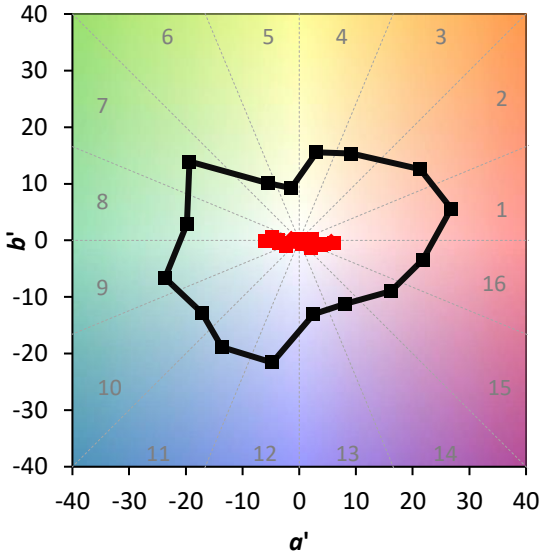
R_f = 1.2
R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

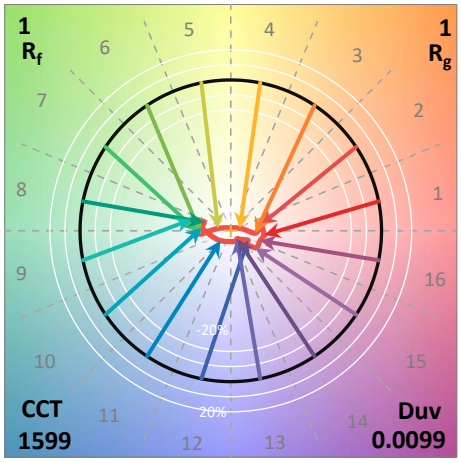
Spectral Power Distribution Comparison

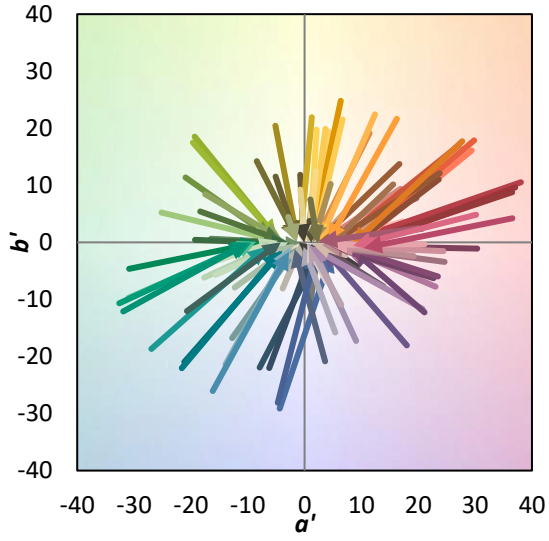


Color Vector Graphics







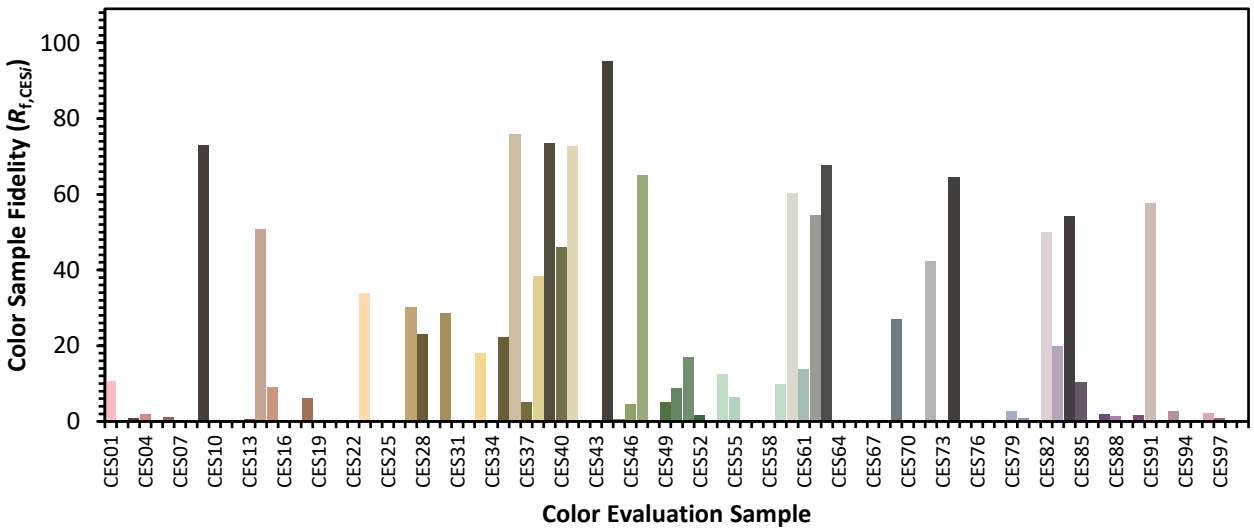


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Individual Sample Fidelity Index ($R_{f,i}$)

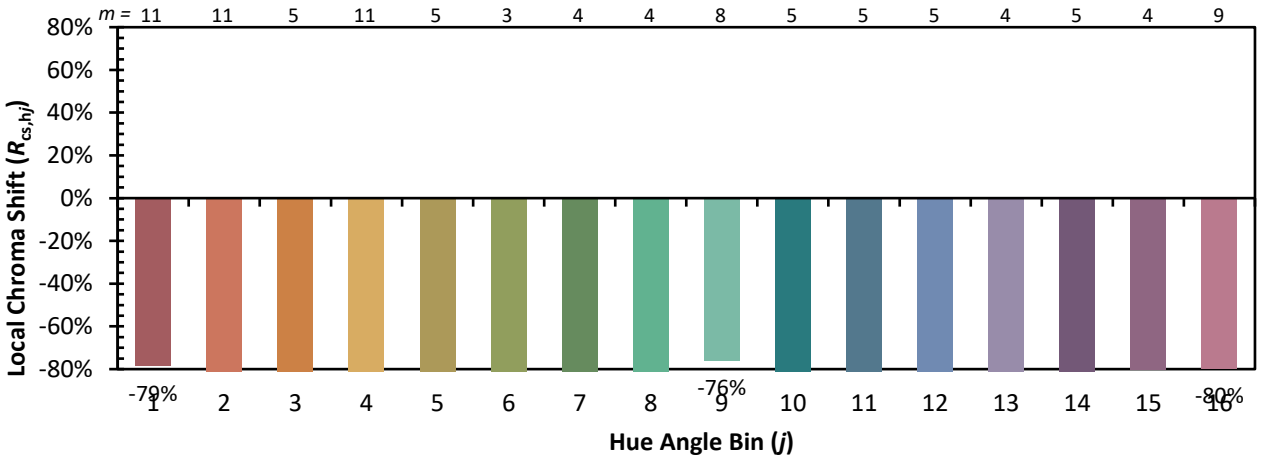
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 =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

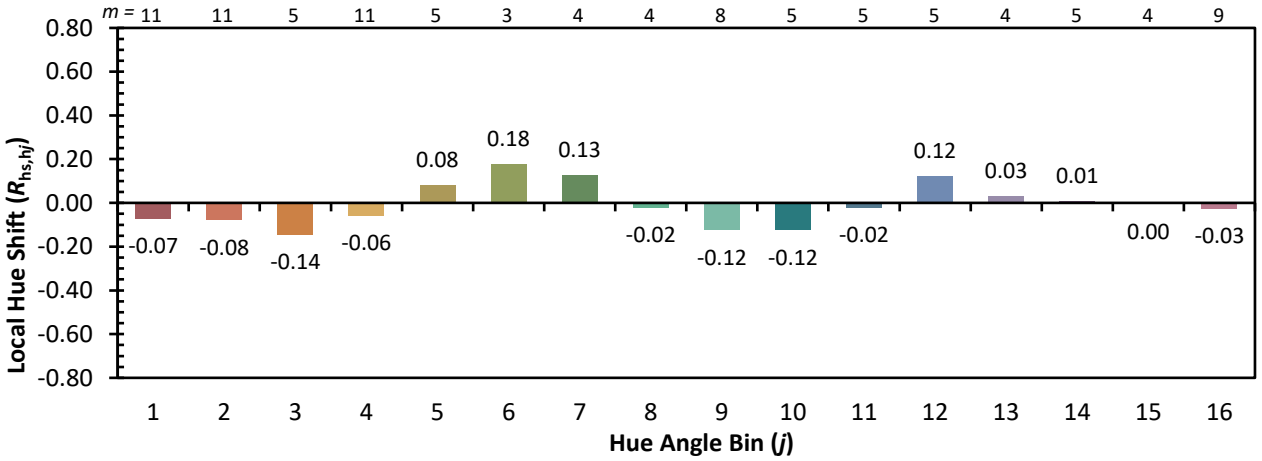


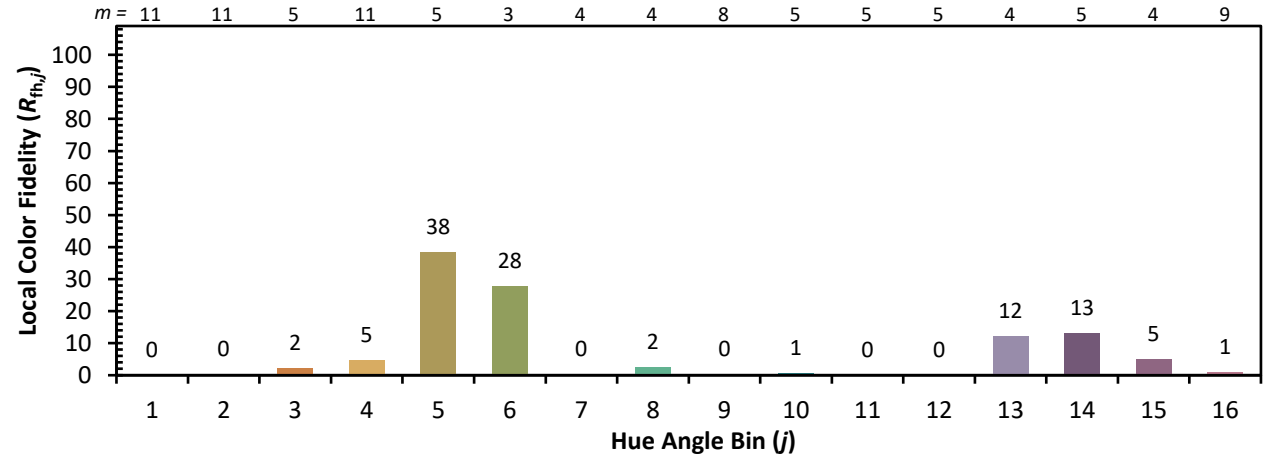
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Color Rendition by Hue-Angle Bin



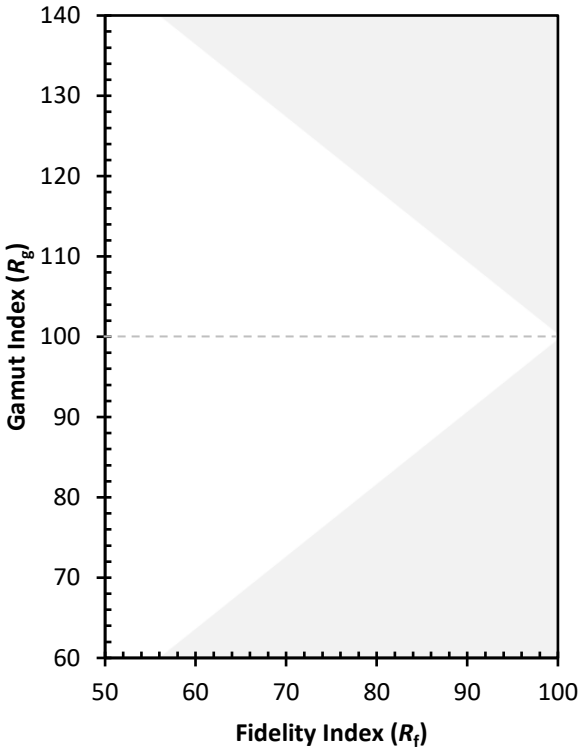


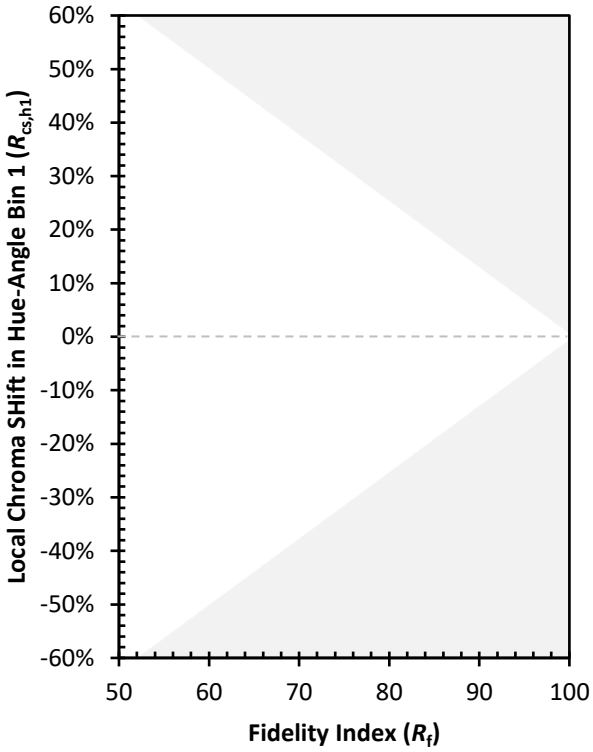


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Measure Comparisons





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