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: P1704732

Luminaire Tested: GSS-SB5A-AMB-U-T4W-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:	P1704732
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	10/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-AMB-U-T4W-HSS
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 5SQUARE 161W 1590K FIXTURE w/ T4 WIDE DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(130) 1590K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	35513.4 lumens
Efficiency:	N/A
Efficacy:	221.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	160.6
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

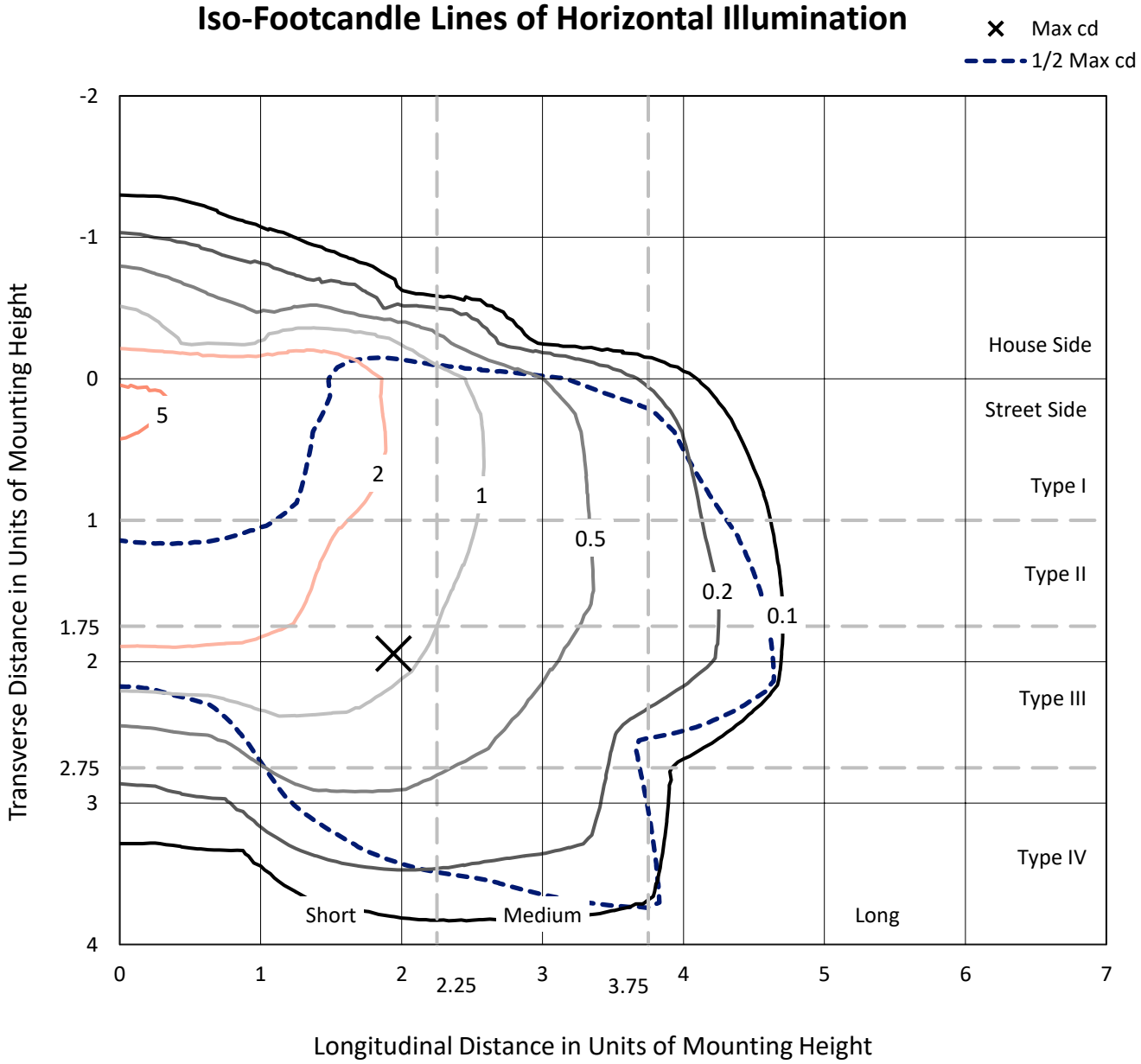


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REPORT NUMBER: P1704732
CATALOG NUMBER: GSS-SB5A-AMB-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



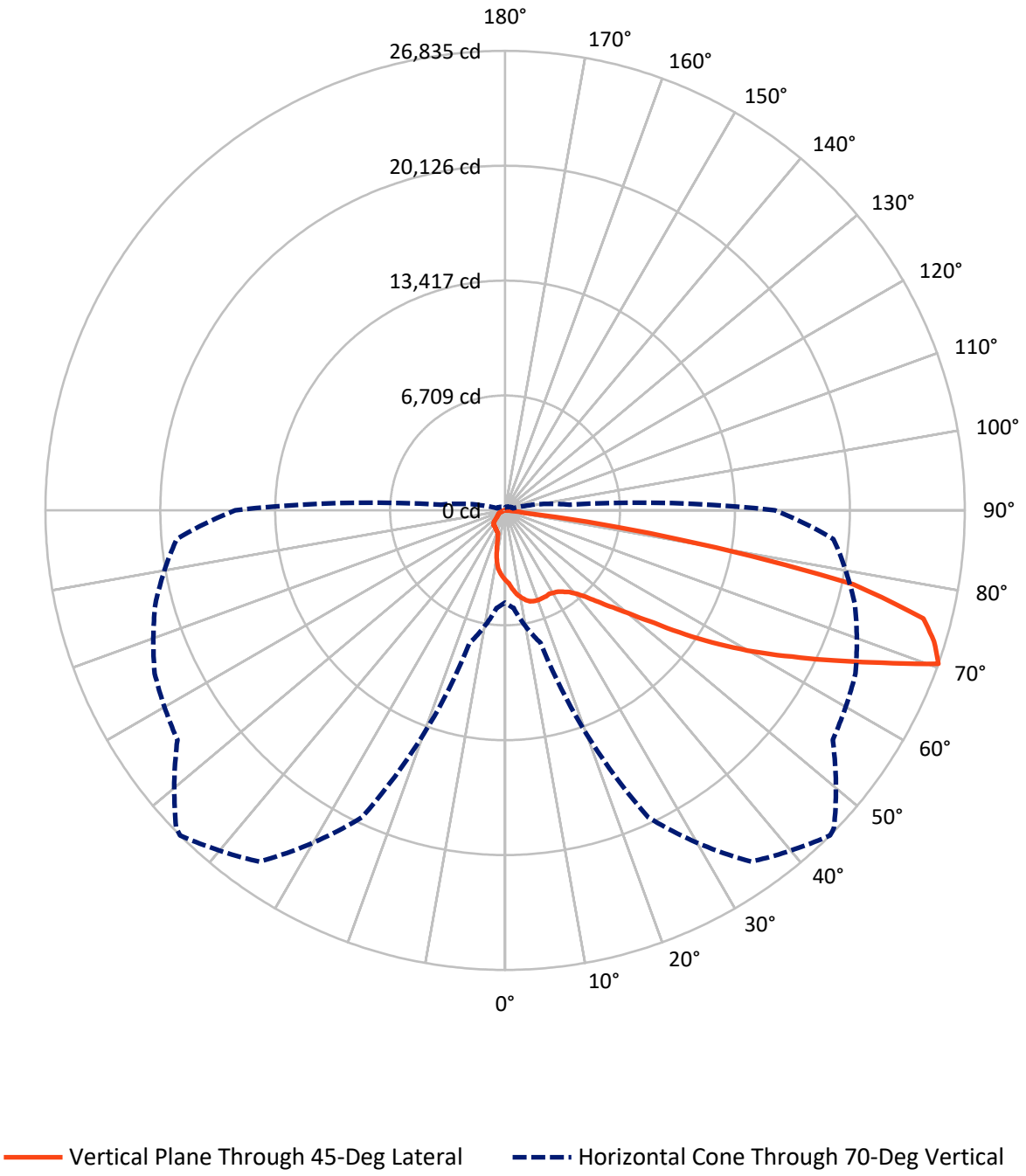
Based on 30 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - N/A

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REPORT NUMBER: P1704732
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Luminous Intensity Polar Plot



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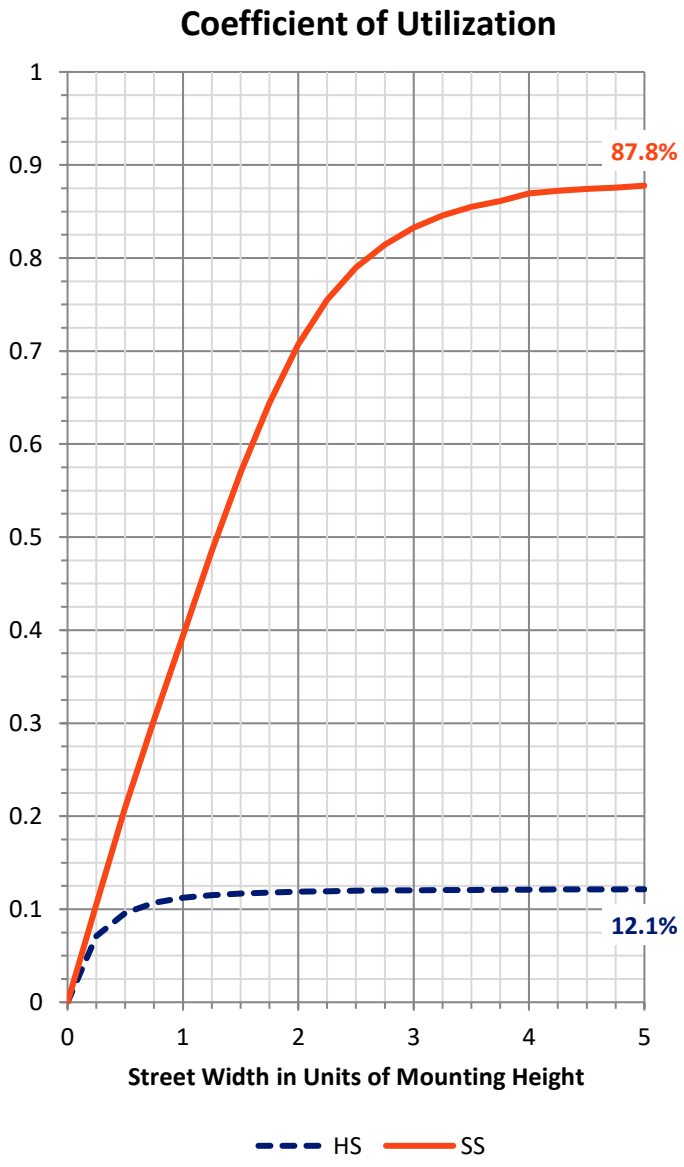
REPORT NUMBER: P1704732
CATALOG NUMBER: GSS-SB5A-AMB-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4354.4	0.0	4354.4
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	31159.1	0.0	31159.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	35513.4	0.0	35513.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.0	1.1
10°-20°	1113.2	3.1
20°-30°	1737.5	4.9
30°-40°	2461.2	6.9
40°-50°	4040.2	11.4
50°-60°	7322.2	20.6
60°-70°	10292.6	29.0
70°-80°	7714.0	21.7
80°-90°	439.5	1.2
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°	35513.4	100.0
0°-180°	35513.4	100.0



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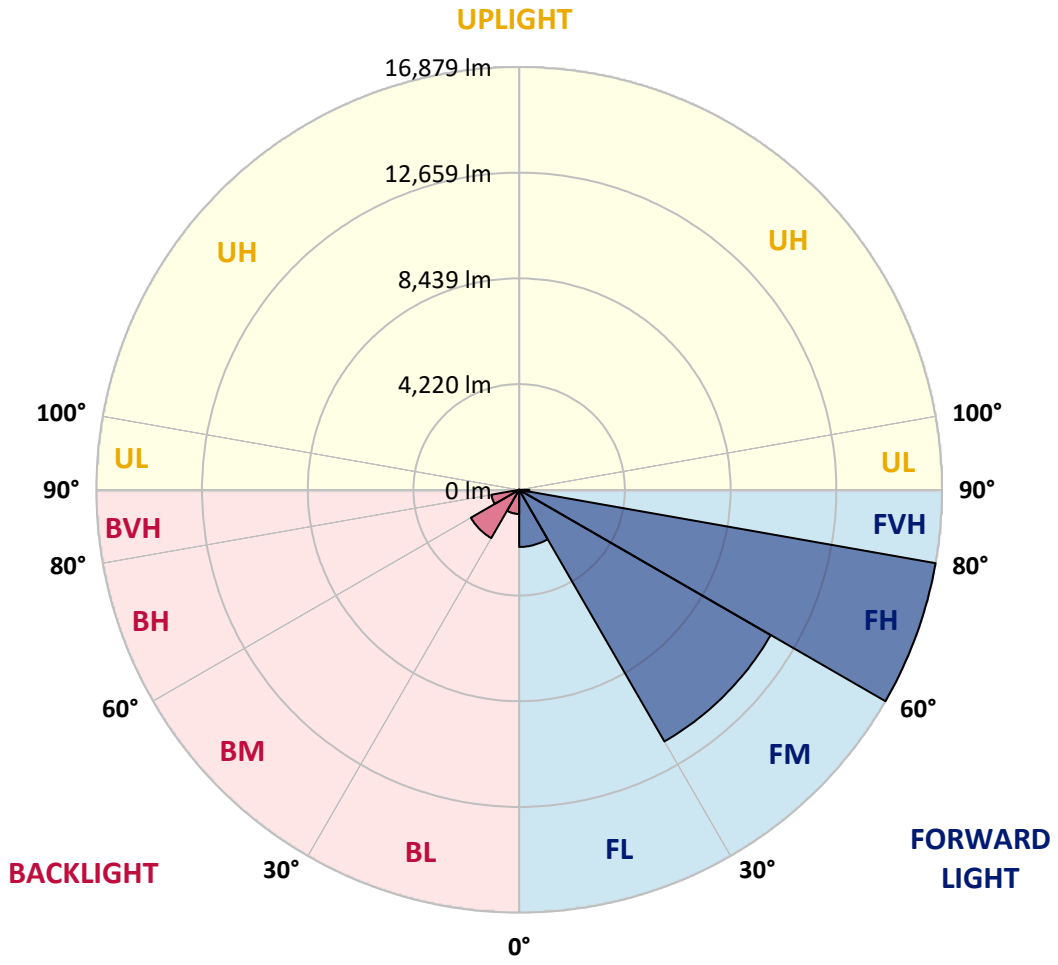
Scaled Data Report

REPORT NUMBER: P1704732
CATALOG NUMBER: GSS-SB5A-AMB-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2280.3	6.4			
FM	(30°-60°)	11597.2	32.7			
FH	(60°-80°)	16878.8	47.5			G5
FVH	(80°-90°)	402.7	1.1			G3/500
BL	(0°-30°)	963.4	2.7	B2/1000		
BM	(30°-60°)	2226.4	6.3	B2/2500		
BH	(60°-80°)	1127.8	3.2	B3/2500		G3/2500
BVH	(80°-90°)	36.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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REPORT NUMBER: P1704732
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1
2.5°	4453.2	4430.2	4384.0	4384.0	4337.9	4268.6	4245.6	4245.6	4199.4	4153.3	4107.1
5°	4960.9	4891.6	4868.6	4845.5	4707.0	4614.7	4568.6	4499.4	4384.0	4268.6	4153.3
7.5°	5468.5	5376.2	5260.8	5214.7	5076.2	4937.8	4891.6	4776.3	4591.7	4430.2	4268.6
10°	5791.5	5722.3	5653.1	5514.6	5376.2	5168.5	5145.4	5007.0	4822.4	4614.7	4407.1
12.5°	6022.2	5929.9	5837.7	5676.1	5514.6	5376.2	5330.0	5214.7	5030.1	4822.4	4568.6
15°	6137.6	6045.3	5953.0	5768.4	5630.0	5514.6	5468.5	5399.3	5214.7	5030.1	4753.2
17.5°	6045.3	5999.2	5883.8	5722.3	5630.0	5560.8	5514.6	5514.6	5376.2	5191.6	4914.7
20°	5906.9	5860.7	5745.4	5630.0	5583.8	5583.8	5537.7	5514.6	5468.5	5330.0	5030.1
22.5°	5768.4	5722.3	5653.1	5537.7	5491.5	5560.8	5514.6	5606.9	5537.7	5422.3	5122.4
25°	5653.1	5606.9	5560.8	5445.4	5445.4	5560.8	5514.6	5630.0	5630.0	5514.6	5260.8
27.5°	5606.9	5583.8	5514.6	5399.3	5445.4	5514.6	5514.6	5722.3	5745.4	5653.1	5445.4
30°	5653.1	5630.0	5560.8	5491.5	5468.5	5583.8	5583.8	5791.5	5883.8	5837.7	5606.9
32.5°	5837.7	5768.4	5699.2	5583.8	5606.9	5653.1	5676.1	5906.9	6068.4	5999.2	5768.4
35°	6091.5	6068.4	5953.0	5814.6	5768.4	5837.7	5814.6	6068.4	6299.1	6229.9	5929.9
37.5°	6529.9	6529.9	6322.2	6137.6	6045.3	6045.3	6022.2	6253.0	6552.9	6506.8	6206.8
40°	7268.2	7222.1	6968.3	6622.2	6437.6	6391.4	6368.4	6599.1	6922.1	6922.1	6552.9
42.5°	8975.7	8791.1	8191.2	7360.5	6968.3	6899.0	6806.8	7060.6	7383.6	7383.6	7014.4
45°	10798.5	10683.1	10037.1	8721.9	7660.5	7614.3	7522.0	7660.5	8052.7	8214.2	7729.7
47.5°	12575.2	12344.4	11675.3	10452.4	8768.0	8468.1	8445.0	8445.0	9021.8	9252.6	8629.6
50°	14144.2	13936.5	13290.5	12113.7	10429.3	9506.4	9437.2	9460.2	10083.2	10475.5	9783.3
52.5°	15136.4	15067.1	14605.7	13775.0	12252.2	10936.9	10867.7	10706.2	11352.3	11836.8	11167.7
55°	15990.1	15851.7	15943.9	15551.7	14398.0	12782.8	12575.2	12067.6	12921.3	13452.0	12552.1
57.5°	16913.0	16820.8	17305.3	17374.5	16820.8	14744.1	14513.4	13798.1	14674.9	15067.1	14121.1
60°	17628.3	17582.2	18389.8	19358.9	18989.7	16774.6	16428.5	15644.0	16613.1	16959.2	15851.7
62.5°	17836.0	17836.0	19358.9	20974.0	21320.1	18805.1	18389.8	17674.5	18805.1	18897.4	17305.3
65°	14098.1	14236.5	17674.5	21943.1	23604.4	21112.5	20766.4	20028.0	20627.9	19751.1	17720.6
67.5°	8583.4	9091.1	12529.0	20627.9	25150.4	23719.8	23535.2	22381.5	21412.4	20004.9	18366.7
70°	5376.2	5722.3	8006.6	19774.2	25035.0	26834.8	26696.3	23350.6	22566.1	21135.5	19243.5
72.5°	4130.2	4153.3	5560.8	17420.7	25819.5	26188.7	26027.2	25842.6	24112.1	21158.6	18528.2
75°	1938.2	2099.7	2907.3	11213.8	20974.0	25219.6	24965.8	25150.4	25565.7	20166.4	15874.7
77.5°	646.1	669.1	1061.4	4037.9	10913.9	20789.4	20858.7	12667.5	22058.5	13982.7	7291.3
80°	253.8	276.9	599.9	1430.6	2930.4	10429.3	10798.5	3691.8	7060.6	3737.9	1292.1
82.5°	92.3	115.4	323.0	623.0	1499.8	1107.5	1107.5	807.6	1822.8	899.9	300.0
85°	46.1	69.2	138.4	230.7	553.8	323.0	300.0	253.8	646.1	438.4	138.4
87.5°	0.0	0.0	23.1	46.1	46.1	46.1	46.1	69.2	115.4	92.3	69.2
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: P1704732
CATALOG NUMBER: GSS-SB5A-AMB-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1	4084.1
2.5°	4084.1	4061.0	4037.9	3945.6	3922.5	3876.4	3853.3	3853.3	3784.1	3830.2	3807.2
5°	4084.1	4061.0	3945.6	3807.2	3737.9	3645.6	3576.4	3530.3	3484.1	3507.2	3484.1
7.5°	4153.3	4084.1	3899.5	3714.9	3553.4	3391.8	3230.3	3022.7	2884.2	2838.1	2815.0
10°	4268.6	4176.3	3899.5	3645.6	3322.6	2930.4	2538.1	2307.4	2099.7	2053.6	2053.6
12.5°	4407.1	4268.6	3945.6	3530.3	2884.2	2284.3	1892.0	1615.2	1522.9	1499.8	1522.9
15°	4591.7	4407.1	3991.8	3253.4	2376.6	1730.5	1453.6	1430.6	1453.6	1453.6	1476.7
17.5°	4730.1	4522.5	3991.8	2884.2	1869.0	1407.5	1384.4	1384.4	1407.5	1430.6	1430.6
20°	4845.5	4637.8	3945.6	2468.9	1430.6	1338.3	1338.3	1338.3	1361.4	1384.4	1384.4
22.5°	4960.9	4753.2	3761.0	2007.4	1292.1	1292.1	1292.1	1315.2	1315.2	1338.3	1338.3
25°	5122.4	4891.6	3576.4	1545.9	1246.0	1246.0	1246.0	1269.1	1269.1	1315.2	1315.2
27.5°	5283.9	5076.2	3322.6	1269.1	1176.8	1199.8	1199.8	1199.8	1246.0	1269.1	1269.1
30°	5468.5	5260.8	3045.7	1176.8	1153.7	1153.7	1153.7	1176.8	1199.8	1222.9	1246.0
32.5°	5630.0	5422.3	2722.7	1130.6	1107.5	1107.5	1107.5	1130.6	1153.7	1176.8	1176.8
35°	5906.9	5676.1	2445.8	1107.5	1084.5	1107.5	1061.4	1061.4	1061.4	1107.5	1107.5
37.5°	6114.5	5906.9	2192.0	1107.5	1107.5	1084.5	1015.2	969.1	946.0	992.2	992.2
40°	6483.7	6229.9	2076.6	1222.9	1176.8	1061.4	946.0	853.7	830.7	830.7	853.7
42.5°	6945.2	6599.1	2030.5	1361.4	1199.8	992.2	830.7	715.3	669.1	669.1	692.2
45°	7568.2	7175.9	2168.9	1430.6	1199.8	899.9	715.3	599.9	553.8	553.8	553.8
47.5°	8537.3	8029.7	2607.3	1453.6	1130.6	761.4	599.9	507.6	484.5	484.5	484.5
50°	9644.8	9114.1	3299.5	1407.5	1015.2	646.1	507.6	461.5	438.4	415.3	415.3
52.5°	11098.5	10452.4	4061.0	1315.2	899.9	576.8	461.5	438.4	415.3	392.3	392.3
55°	12667.5	11813.8	4384.0	1222.9	784.5	530.7	438.4	415.3	392.3	369.2	369.2
57.5°	14374.9	12852.1	4014.8	1107.5	692.2	484.5	415.3	392.3	369.2	346.1	346.1
60°	16036.2	13498.1	2999.6	992.2	576.8	461.5	392.3	369.2	323.0	300.0	300.0
62.5°	17351.4	13129.0	1845.9	853.7	507.6	415.3	369.2	346.1	300.0	253.8	253.8
65°	17143.8	10890.8	1107.5	692.2	438.4	392.3	323.0	300.0	253.8	207.7	207.7
67.5°	16797.7	7937.4	669.1	553.8	392.3	323.0	300.0	276.9	230.7	184.6	184.6
70°	*15759.4*	*3761.0*	*484.5*	*415.3*	*346.1*	*253.8*	*253.8*	*230.7*	*207.7*	*161.5*	*161.5*
72.5°	13405.8	1269.1	346.1	323.0	276.9	184.6	207.7	207.7	161.5	138.4	138.4
75°	9552.5	461.5	253.8	230.7	184.6	161.5	184.6	161.5	161.5	138.4	115.4
77.5°	3968.7	253.8	207.7	184.6	138.4	138.4	138.4	138.4	115.4	92.3	92.3
80°	876.8	184.6	161.5	138.4	115.4	115.4	115.4	115.4	92.3	69.2	69.2
82.5°	253.8	138.4	115.4	92.3	92.3	92.3	92.3	69.2	69.2	69.2	69.2
85°	115.4	92.3	69.2	69.2	69.2	69.2	69.2	46.1	69.2	46.1	46.1
87.5°	69.2	46.1	46.1	23.1	23.1	23.1	23.1	46.1	46.1	46.1	46.1
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

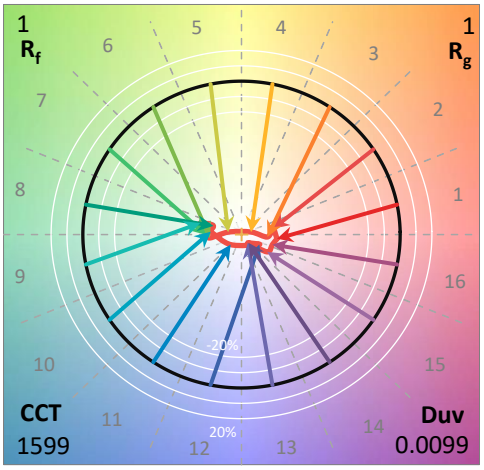
Test Information

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

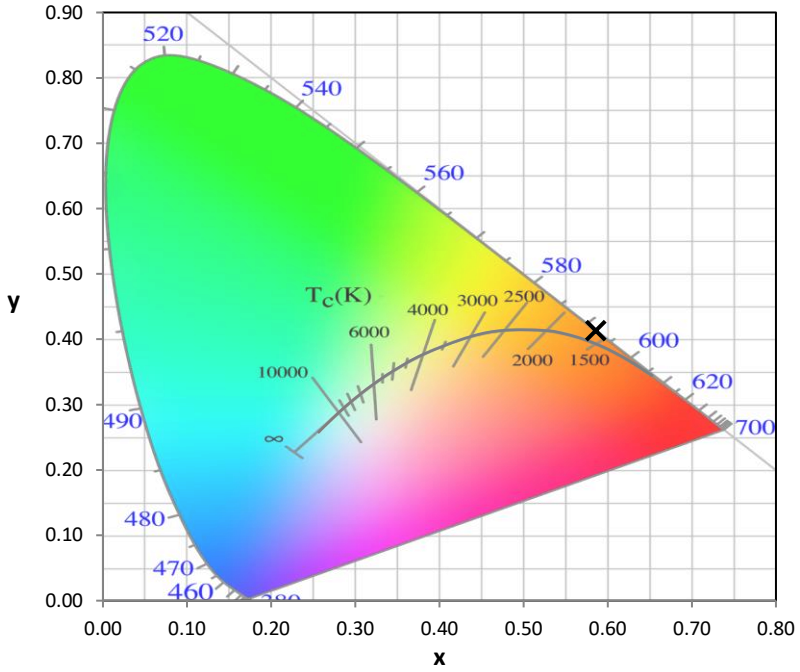
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

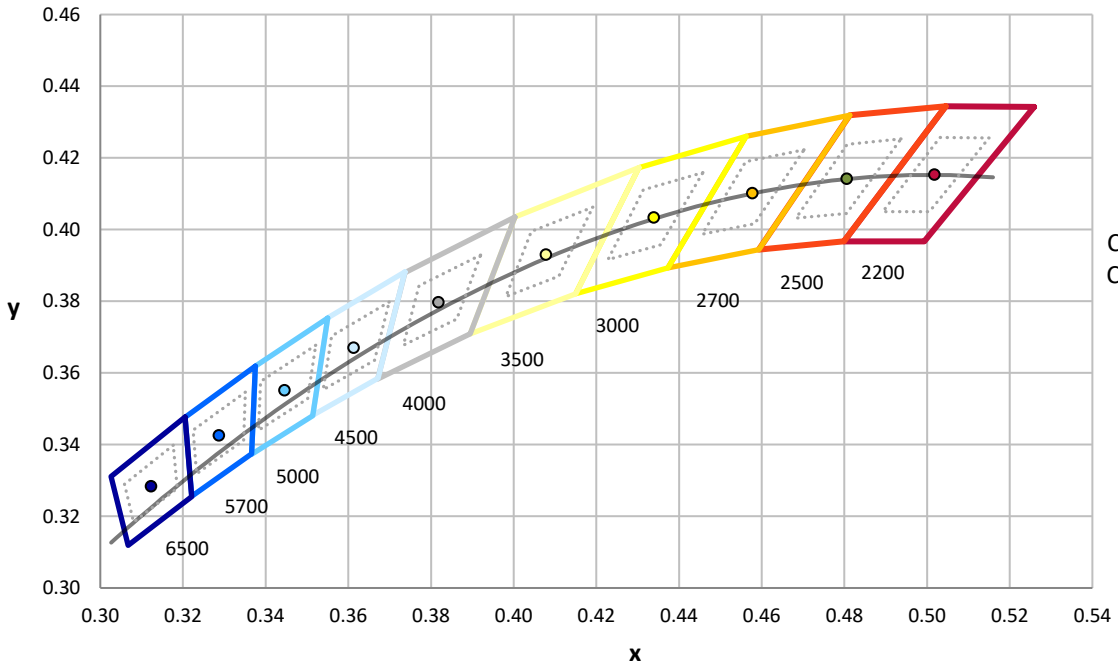
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024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

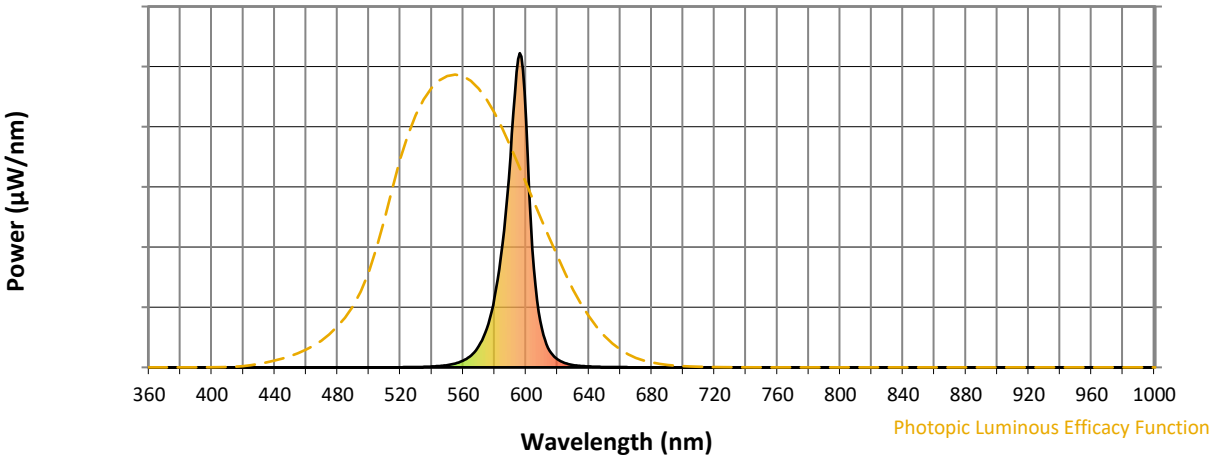


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

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Photopic Flux vs. Wavelength

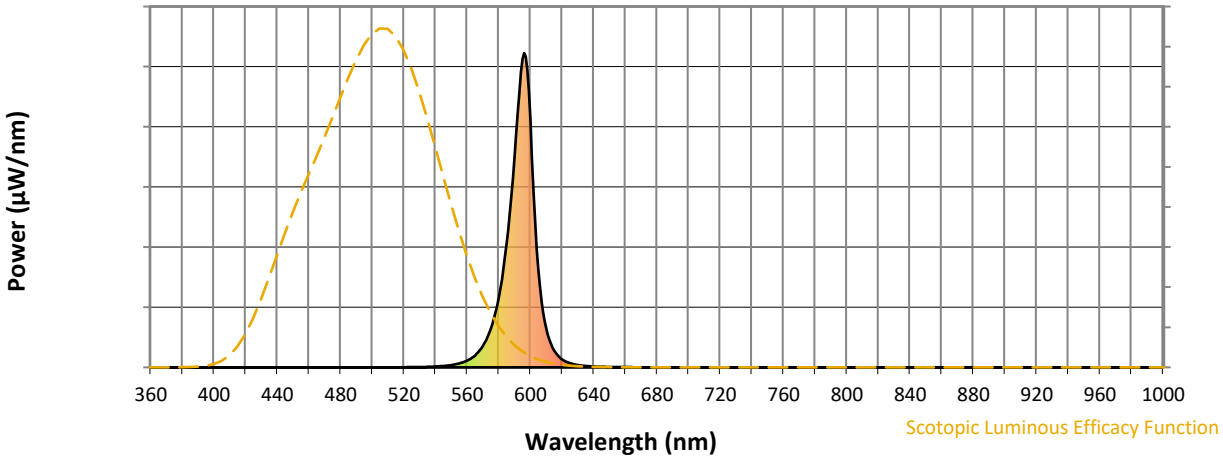


Photopic Lumens: NR

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

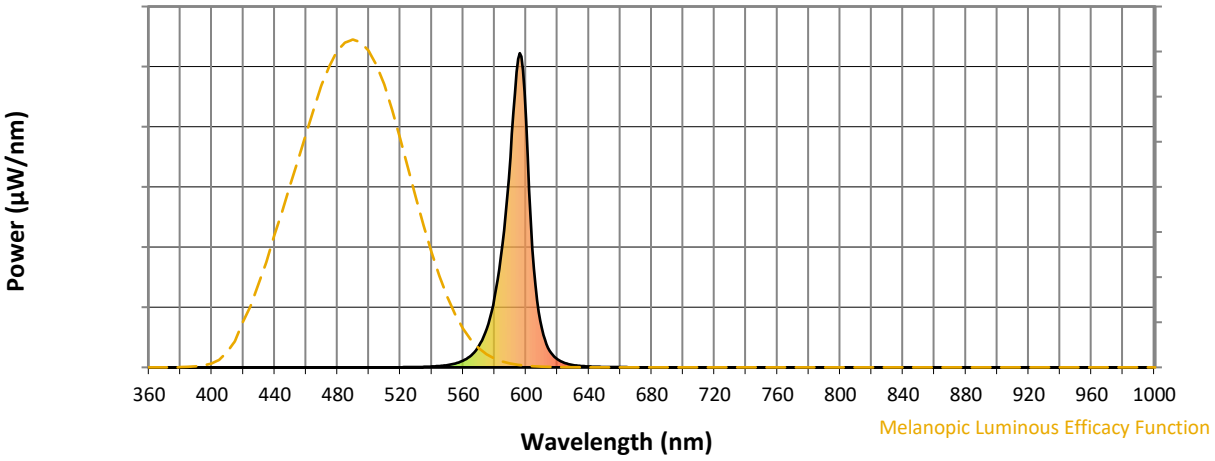


Scotopic Lumens: NR **S/P: 0.23**

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			

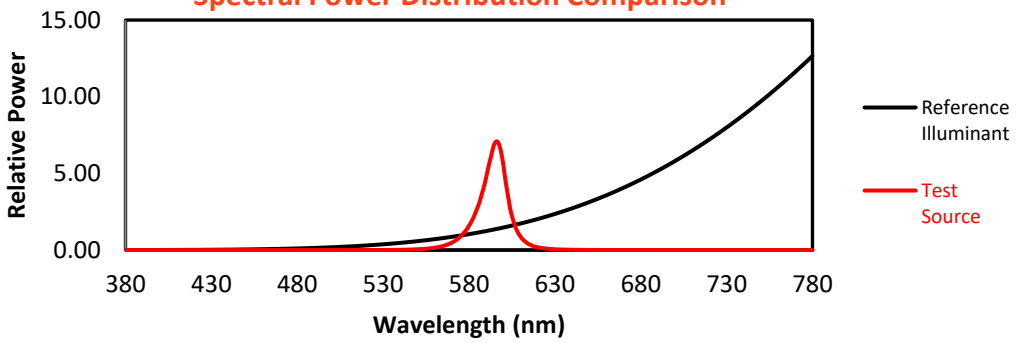
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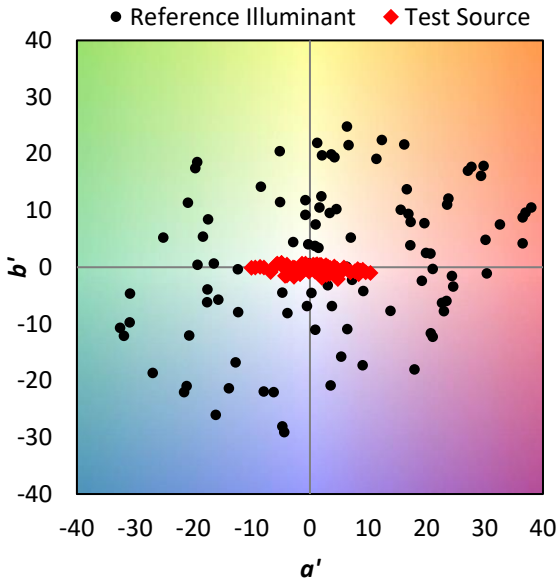
Summary

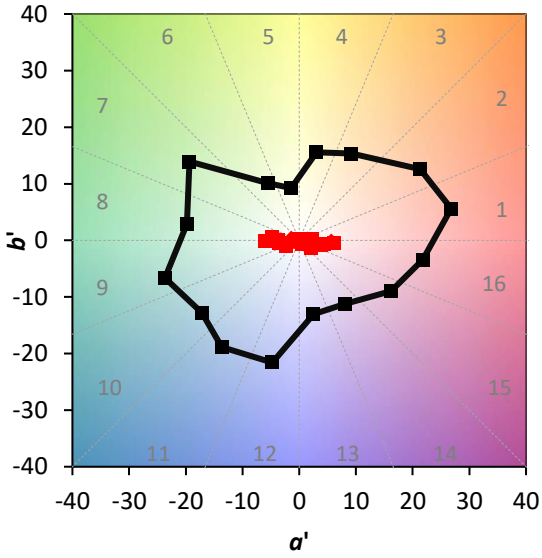
R_f = 1.2
R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

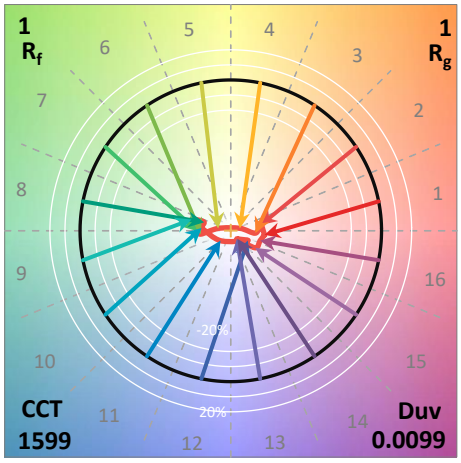
Spectral Power Distribution Comparison

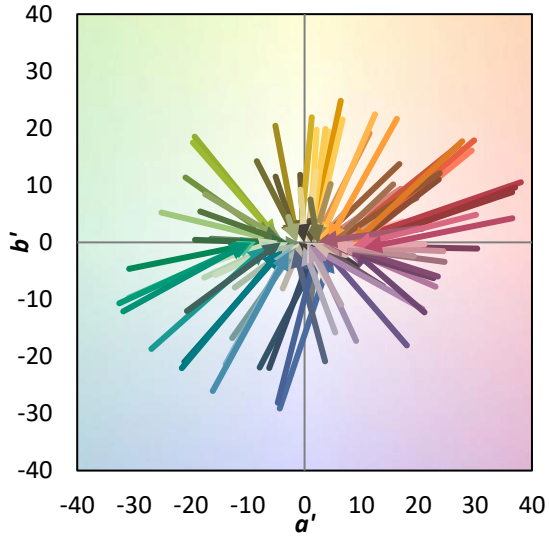


Color Vector Graphics







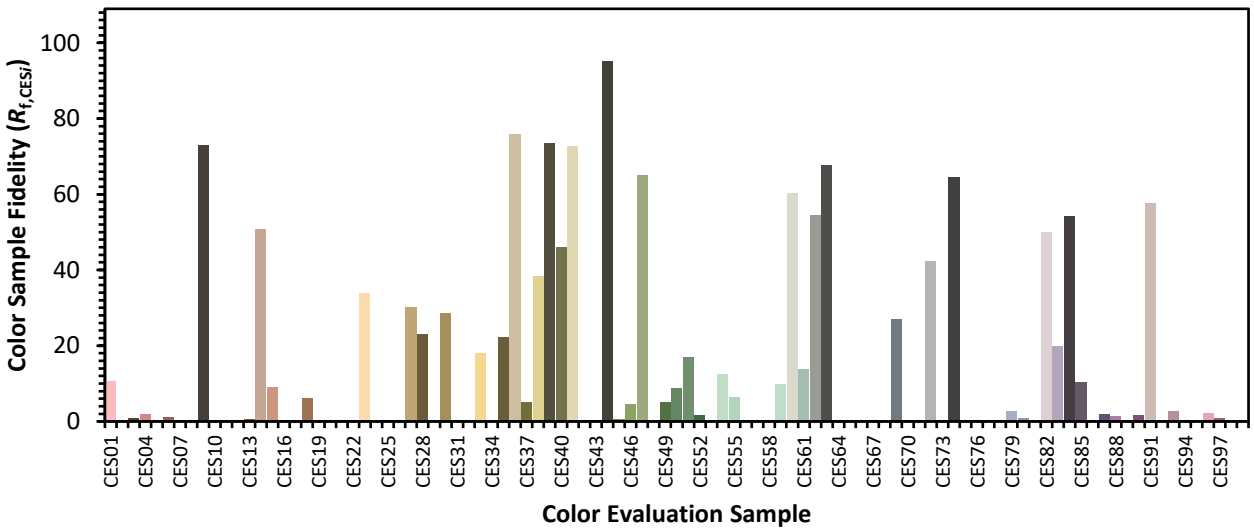


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Individual Sample Fidelity Index ($R_{f,i}$)

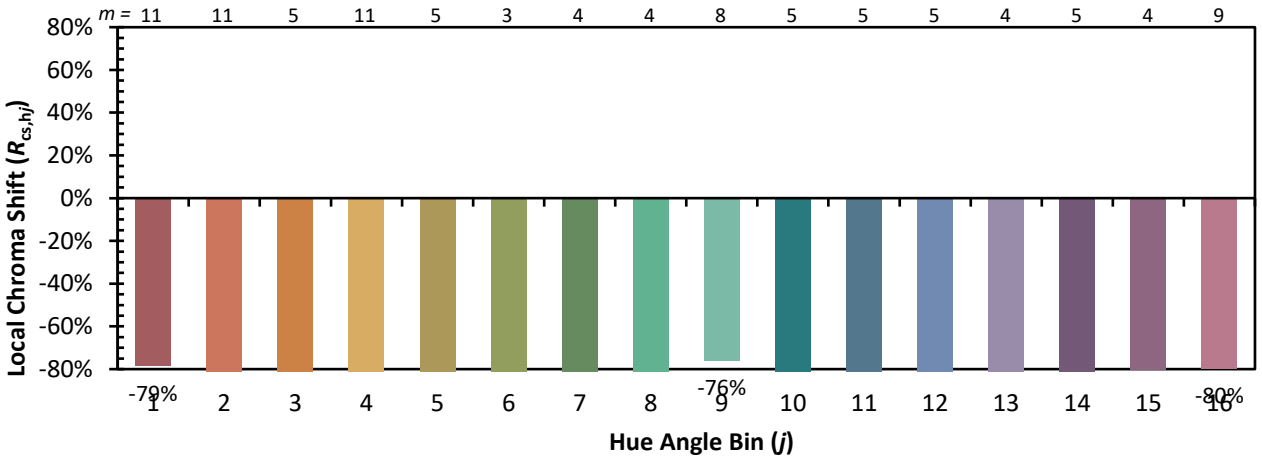
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 =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

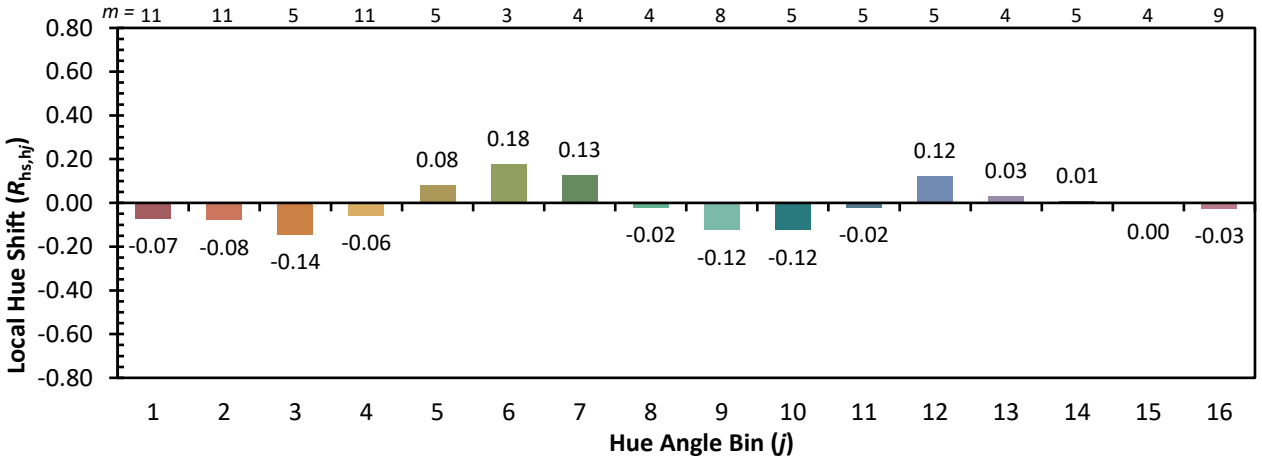


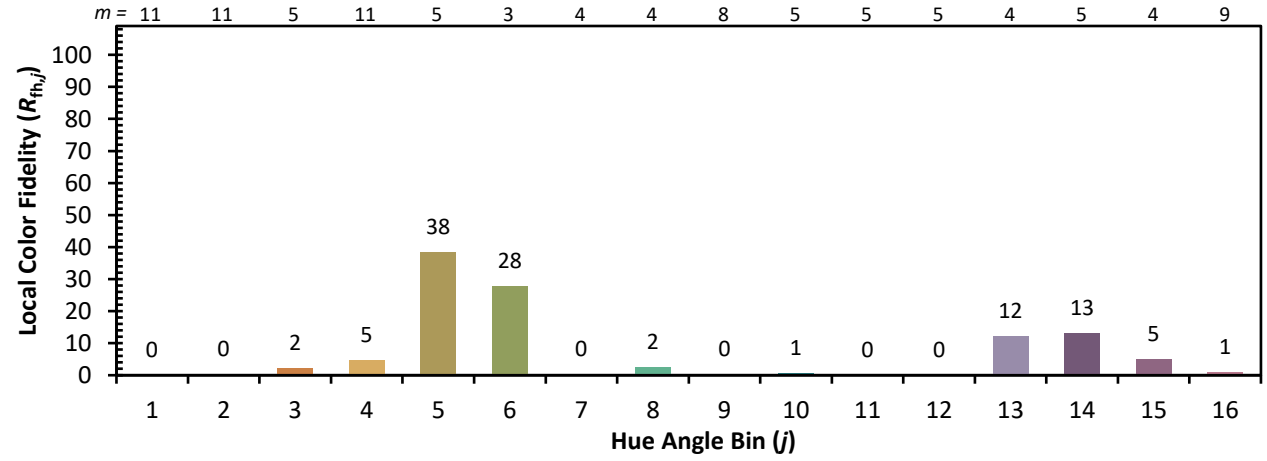
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Color Rendition by Hue-Angle Bin



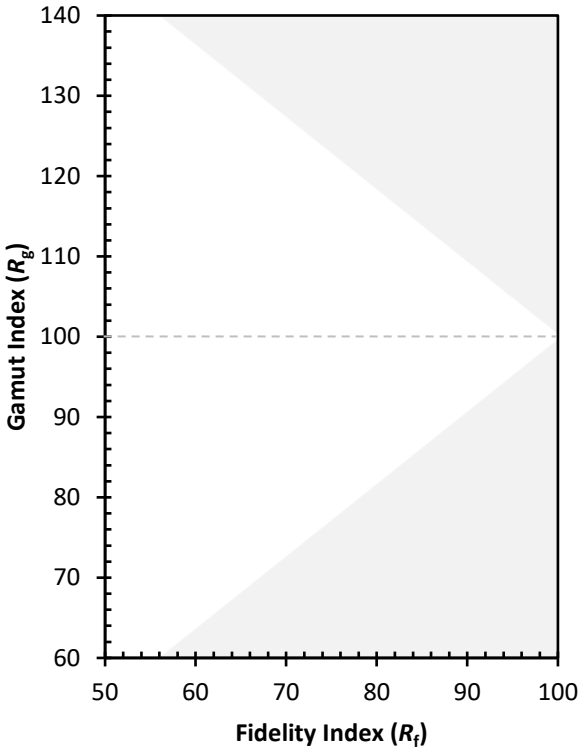


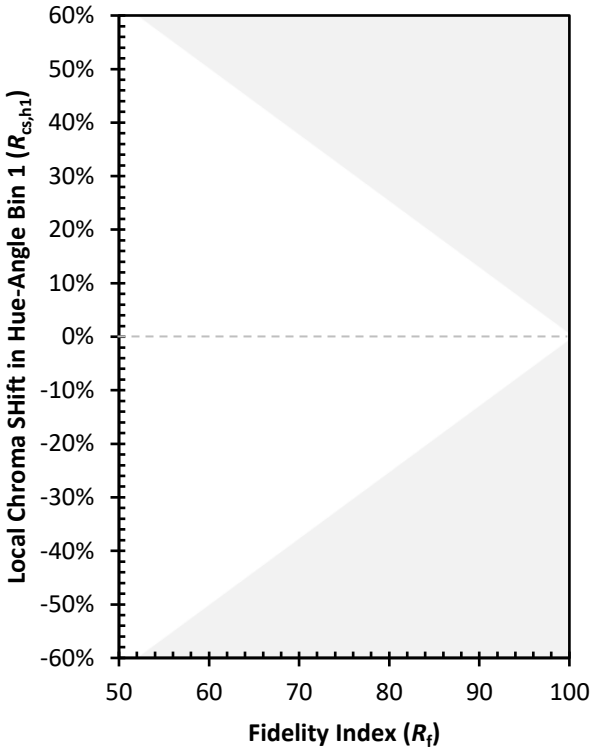


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Measure Comparisons





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