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-T4LG

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-T4LG
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 5SQUARE 161W 1590K FIXTURE w/ T4 LOW GLARE DISTRIBUTION
Light Source:	(130) 1590K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9994.4 lumens
Efficiency:	N/A
Efficacy:	62.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

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

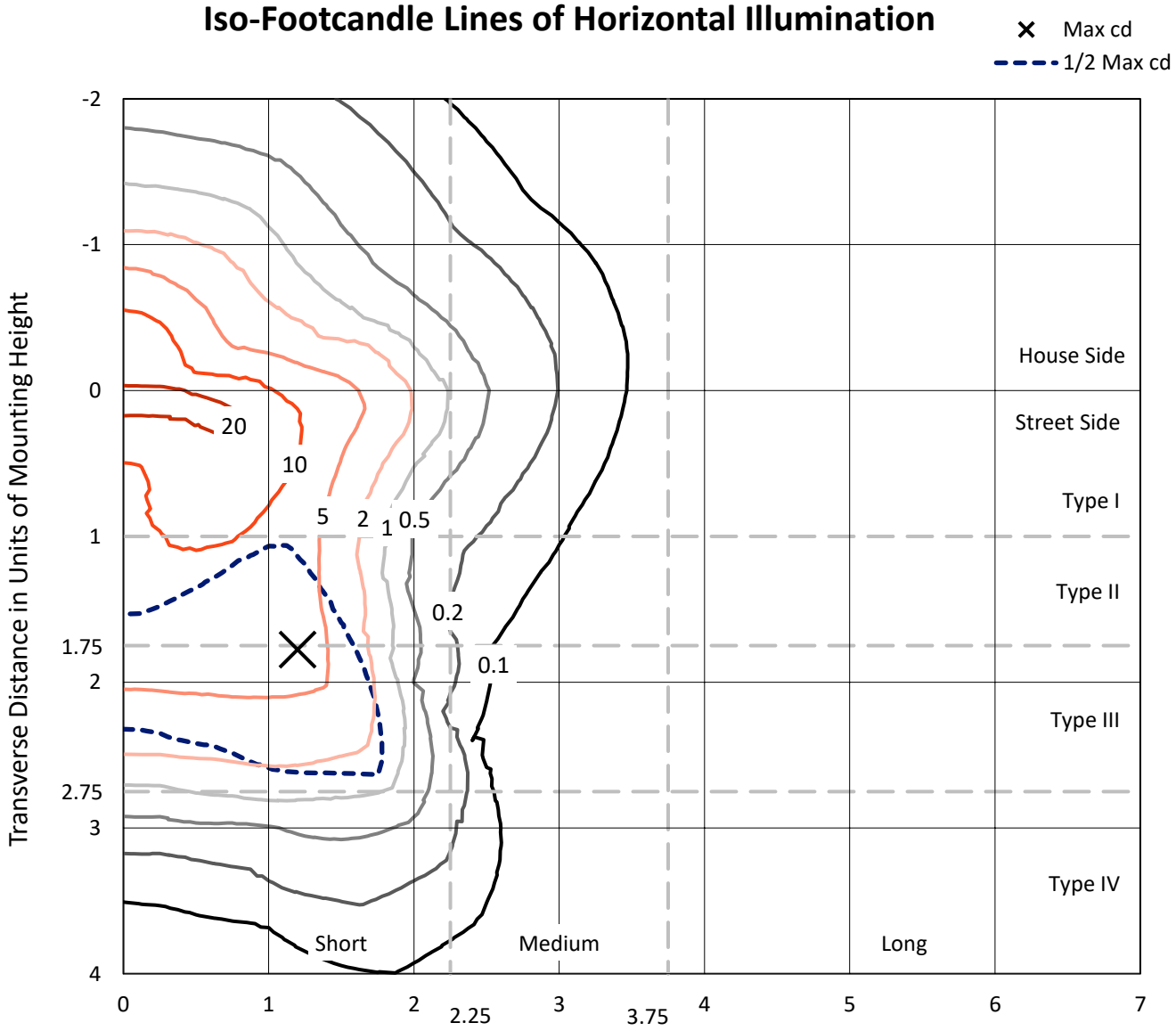


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Scaled Data Report

REPORT NUMBER: P1704732
CATALOG NUMBER: GSS-SB5A-AMB-U-T4LG

Iso-Footcandle Lines of Horizontal Illumination



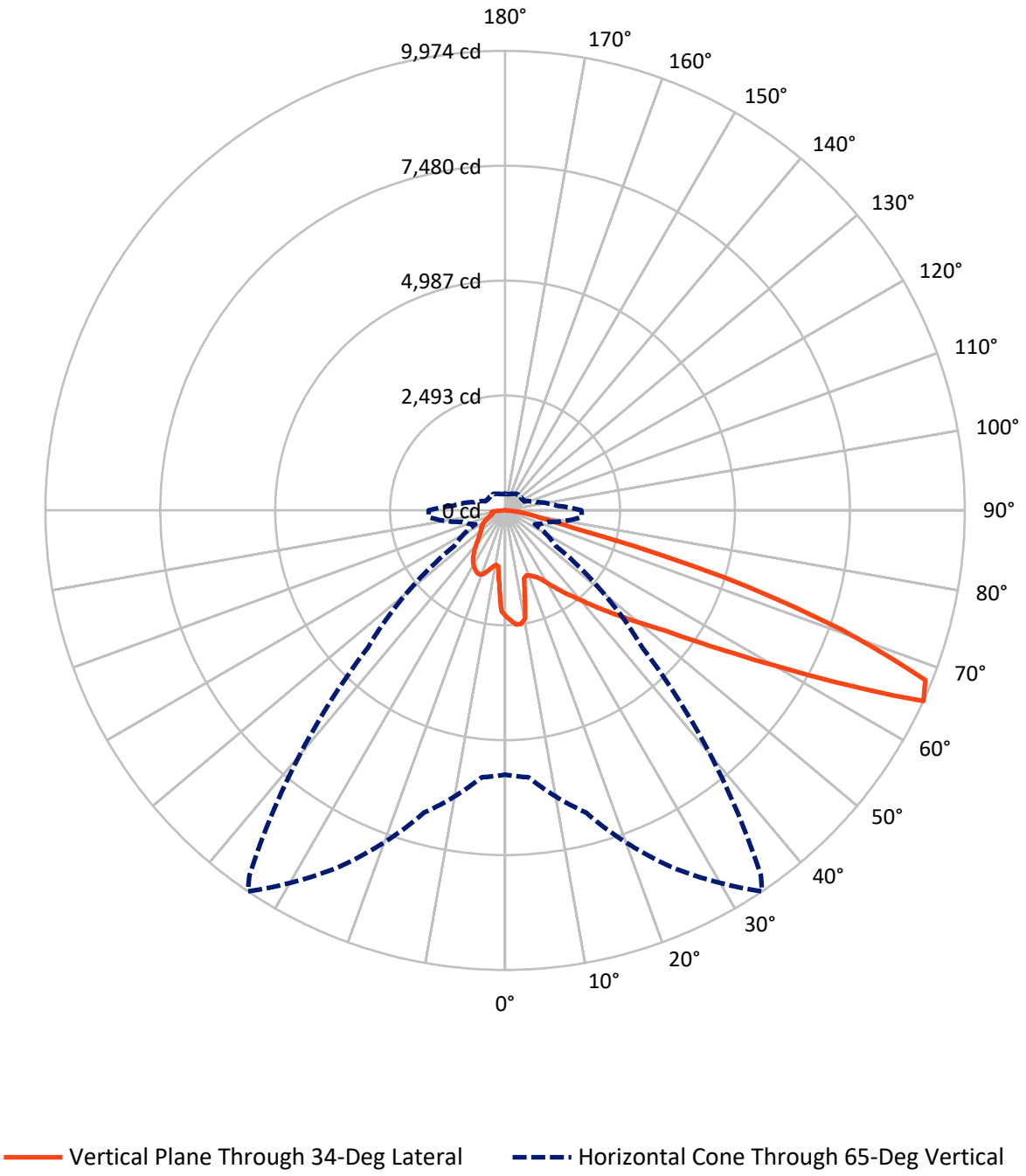
Based on 10 foot mounting height. Maximum calculated value = 24.9 fc
Type III - Short - N/A

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REPORT NUMBER: P1704732
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Luminous Intensity Polar Plot



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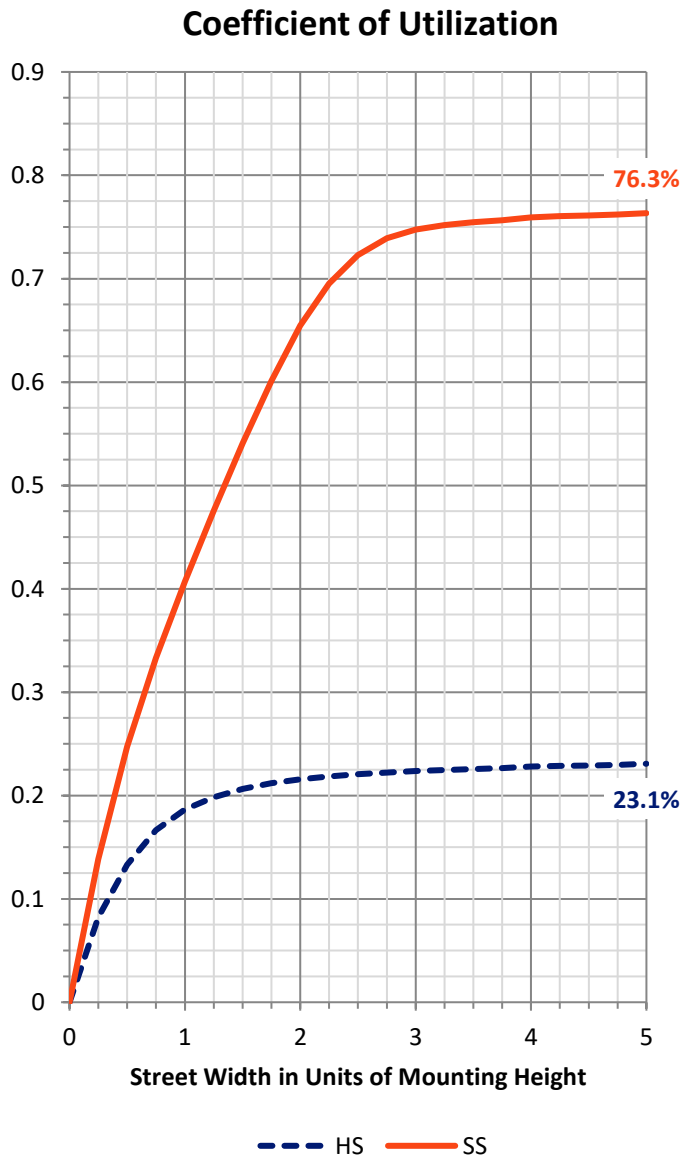
REPORT NUMBER: P1704732
CATALOG NUMBER: GSS-SB5A-AMB-U-T4LG

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2349.9	0.0	2349.9
	% Fixture	23.5	0.0	23.5
Street Side	Lumens	7644.6	0.0	7644.6
	% Fixture	76.5	0.0	76.5
Total	Lumens	9994.4	0.0	9994.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.8	2.0
10°-20°	504.7	5.0
20°-30°	846.1	8.5
30°-40°	1267.1	12.7
40°-50°	1766.4	17.7
50°-60°	2359.1	23.6
60°-70°	2306.6	23.1
70°-80°	642.9	6.4
80°-90°	104.7	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°	9994.4	100.0
0°-180°	9994.4	100.0



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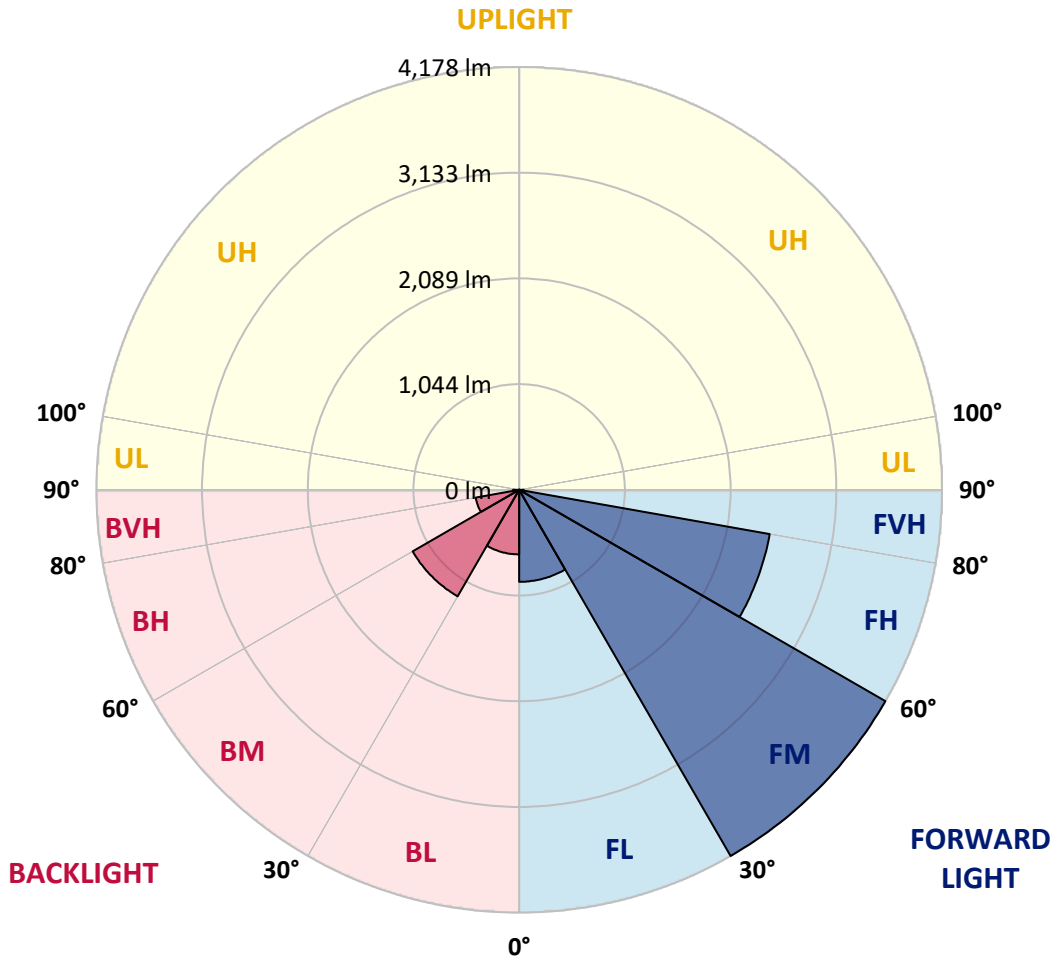
Scaled Data Report

REPORT NUMBER: P1704732
CATALOG NUMBER: GSS-SB5A-AMB-U-T4LG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	909.3	9.1			
FM	(30°-60°)	4177.7	41.8			
FH	(60°-80°)	2513.3	25.1			G2/5000
FVH	(80°-90°)	44.3	0.4			G1/100
BL	(0°-30°)	638.3	6.4	B2/1000		
BM	(30°-60°)	1214.9	12.2	B2/2500		
BH	(60°-80°)	436.3	4.4	B1/500		G1/500
BVH	(80°-90°)	60.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2295.2	2295.2	2295.2	2295.2	*2295.2*	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2
2.5°	2431.3	2412.5	2398.4	2412.5	*2393.7*	2403.1	2384.3	2370.2	2351.5	2328.0	2304.5
5°	2520.4	2497.0	2482.9	2492.3	*2482.9*	2482.9	2478.2	2440.7	2426.6	2384.3	2342.1
7.5°	2468.8	2450.0	2459.4	2492.3	*2492.3*	2506.4	2525.1	2506.4	2482.9	2445.3	2365.6
10°	2018.2	2004.2	2102.7	2262.3	*2389.0*	2421.9	2525.1	2562.7	2553.3	2515.8	2421.9
12.5°	1501.9	1492.6	1539.5	1685.0	*1882.1*	1971.3	2370.2	2604.9	2642.5	2609.6	2492.3
15°	1426.8	1417.5	1422.1	1450.3	*1534.8*	1567.7	1957.2	2553.3	2755.1	2755.1	2595.5
17.5°	1422.1	1412.8	1412.8	1445.6	*1487.9*	1506.6	1656.8	2360.9	2863.1	2877.2	2680.0
20°	1408.1	1403.4	1408.1	1455.0	*1506.6*	1520.7	1638.1	2079.2	2952.3	3032.0	2778.6
22.5°	1394.0	1379.9	1403.4	1469.1	*1553.6*	1567.7	1703.8	1985.4	2947.6	3219.8	2886.5
25°	1389.3	1379.9	1408.1	1506.6	*1605.2*	1638.1	1802.3	2079.2	2924.1	3416.9	2985.1
27.5°	1389.3	1384.6	1445.6	1572.3	*1699.1*	1736.6	1947.8	2267.0	2956.9	3604.7	3116.5
30°	1445.6	1436.2	1525.4	1666.2	*1844.6*	1877.4	2130.9	2440.7	3097.8	3825.3	3266.7
32.5°	1544.2	1544.2	1642.7	1816.4	*1994.8*	2051.1	2304.5	2680.0	3365.3	4036.5	3421.6
35°	1708.5	1708.5	1821.1	1985.4	*2182.5*	2224.7	2515.8	2905.3	3618.7	4238.3	3557.7
37.5°	1919.7	1919.7	2022.9	2206.0	*2360.9*	2398.4	2689.4	3121.2	3815.9	4365.0	3679.8
40°	2130.9	2159.0	2262.3	2445.3	*2576.8*	2628.4	2891.2	3294.9	4022.4	4449.5	3726.7
42.5°	2403.1	2403.1	2525.1	2698.8	*2844.3*	2877.2	3149.4	3553.0	4210.1	4444.8	3684.4
45°	2722.3	2717.6	2816.1	3003.9	*3135.3*	3196.3	3454.5	3801.8	4374.4	4444.8	3604.7
47.5°	3130.6	3135.3	3186.9	3355.9	*3473.2*	3524.9	3736.1	3984.8	4449.5	4444.8	3590.6
50°	3609.4	3623.4	3679.8	3768.9	*3862.8*	3895.7	4022.4	4106.9	4491.7	4374.4	3707.9
52.5°	4186.7	4167.9	4247.7	4280.5	*4322.8*	4369.7	4336.9	4280.5	4289.9	4163.2	3937.9
55°	4632.5	4613.8	4782.7	4904.8	*4998.6*	4979.9	4717.0	4210.1	3848.7	3844.0	4083.4
57.5°	4970.5	5003.3	5317.8	5698.0	*5843.5*	5857.6	5191.1	3858.1	3280.8	3219.8	4036.5
60°	5665.1	5679.2	5998.4	6603.8	*6941.8*	6998.1	5200.5	3285.5	2295.2	2403.1	3510.8
62.5°	6139.2	6162.6	6810.4	7833.6	*8345.2*	8237.2	4984.6	2248.2	1356.4	1563.0	2506.4
65°	*5735.5*	*5815.3*	*6791.6*	*8542.3*	*9973.8*	*9673.4*	*4210.1*	*1347.1*	*713.4*	*966.9*	*1666.2*
67.5°	4538.7	4595.0	5698.0	7847.6	*9833.0*	9466.9	2877.2	708.7	460.0	690.0	1056.1
70°	2079.2	2168.4	3628.1	6195.5	*7735.0*	7307.9	1544.2	408.3	384.9	483.4	680.6
72.5°	666.5	694.6	1079.5	2792.7	*4975.2*	4515.2	535.1	323.9	342.6	394.3	506.9
75°	380.2	417.7	624.2	1431.5	*1525.4*	1511.3	319.2	258.1	305.1	314.5	370.8
77.5°	244.1	258.1	399.0	863.6	*802.6*	718.1	239.4	201.8	248.8	230.0	220.6
80°	150.2	159.6	248.8	492.8	*535.1*	474.0	164.3	136.1	169.0	145.5	131.4
82.5°	89.2	93.9	126.7	225.3	*323.9*	300.4	89.2	79.8	126.7	98.6	79.8
85°	46.9	46.9	61.0	98.6	*150.2*	117.3	37.5	37.5	56.3	42.2	28.2
87.5°	9.4	9.4	9.4	14.1	*18.8*	18.8	9.4	4.7	4.7	4.7	4.7
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-T4LG

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2
2.5°	2295.2	2290.5	2281.1	2257.6	2248.2	2215.4	2196.6	2168.4	2154.3	2145.0	2168.4
5°	2304.5	2281.1	2248.2	2154.3	1980.7	1774.2	1609.9	1497.2	1422.1	1389.3	1398.7
7.5°	2328.0	2295.2	2163.7	1807.0	1483.2	1309.5	1225.0	1201.6	1182.8	1178.1	1173.4
10°	2365.6	2304.5	1966.6	1478.5	1276.6	1210.9	1196.9	1196.9	1201.6	1196.9	1201.6
12.5°	2412.5	2299.8	1727.2	1328.3	1243.8	1229.7	1248.5	1257.9	1262.6	1276.6	1267.3
15°	2468.8	2276.4	1567.7	1304.8	1267.3	1295.4	1314.2	1337.7	1351.7	1347.1	1351.7
17.5°	2501.7	2206.0	1473.8	1304.8	1328.3	1361.1	1398.7	1422.1	1431.5	1436.2	1445.6
20°	2529.8	2145.0	1440.9	1337.7	1389.3	1436.2	1469.1	1483.2	1483.2	1487.9	1483.2
22.5°	2567.4	2107.4	1422.1	1347.1	1412.8	1464.4	1497.2	1511.3	1520.7	1516.0	1516.0
25°	2581.5	2051.1	1384.6	1333.0	1379.9	1436.2	1478.5	1492.6	1506.6	1501.9	1501.9
27.5°	2619.0	2013.5	1333.0	1272.0	1318.9	1365.8	1426.8	1473.8	1497.2	1501.9	1511.3
30°	2670.6	1999.5	1272.0	1187.5	1229.7	1300.1	1370.5	1431.5	1473.8	1492.6	1501.9
32.5°	2755.1	1980.7	1220.3	1107.7	1159.3	1229.7	1304.8	1356.4	1412.8	1445.6	1450.3
35°	2825.5	2027.6	1173.4	1032.6	1084.2	1149.9	1210.9	1267.3	1328.3	1370.5	1389.3
37.5°	2914.7	2107.4	1178.1	985.6	1018.5	1074.8	1103.0	1140.5	1201.6	1262.6	1290.7
40°	2989.8	2215.4	1257.9	985.6	948.1	995.0	990.3	1018.5	1079.5	1117.1	1126.5
42.5°	2985.1	2262.3	1361.1	985.6	882.4	905.9	891.8	896.5	919.9	929.3	929.3
45°	2961.6	2285.8	1417.5	962.2	797.9	816.7	807.3	797.9	769.7	755.7	755.7
47.5°	2971.0	2313.9	1426.8	905.9	722.8	751.0	746.3	704.0	671.2	647.7	638.3
50°	3064.9	2328.0	1318.9	816.7	652.4	690.0	699.3	643.0	605.5	572.6	567.9
52.5°	3285.5	2431.3	1145.2	718.1	610.2	643.0	666.5	605.5	558.5	525.7	521.0
55°	3501.4	2600.2	981.0	661.8	572.6	600.8	628.9	567.9	530.4	506.9	516.3
57.5°	3553.0	2628.4	891.8	619.6	544.5	558.5	586.7	535.1	506.9	525.7	549.1
60°	3224.5	2267.0	840.1	582.0	511.6	521.0	553.8	502.2	450.6	450.6	460.0
62.5°	2342.1	1563.0	755.7	521.0	474.0	478.7	502.2	436.5	394.3	384.9	389.6
65°	*1656.8*	*1135.8*	*690.0*	*469.4*	*441.2*	*445.9*	*436.5*	*394.3*	*366.1*	*356.7*	*361.4*
67.5°	1112.4	896.5	614.9	422.4	403.6	399.0	389.6	366.1	337.9	328.5	342.6
70°	746.3	699.3	525.7	375.5	361.4	337.9	352.0	333.2	305.1	309.8	328.5
72.5°	549.1	558.5	464.7	333.2	305.1	281.6	309.8	295.7	276.9	291.0	305.1
75°	403.6	417.7	384.9	281.6	262.8	244.1	276.9	276.9	272.2	314.5	328.5
77.5°	239.4	281.6	276.9	206.5	201.8	211.2	272.2	295.7	281.6	281.6	272.2
80°	150.2	169.0	197.1	140.8	140.8	178.4	286.3	352.0	300.4	276.9	267.5
82.5°	79.8	89.2	131.4	89.2	79.8	122.0	295.7	347.3	337.9	305.1	295.7
85°	23.5	28.2	61.0	37.5	32.9	56.3	258.1	258.1	225.3	169.0	164.3
87.5°	4.7	0.0	0.0	4.7	4.7	9.4	23.5	14.1	4.7	4.7	4.7
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

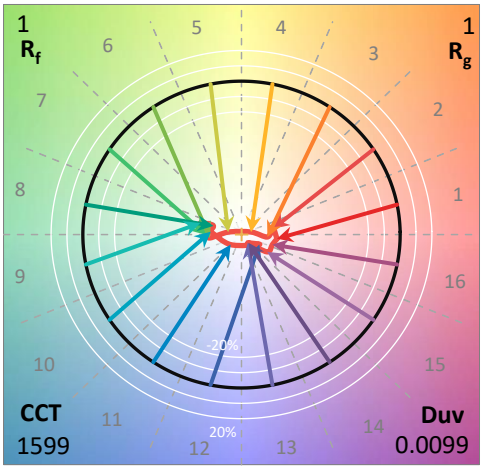
Test Information

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

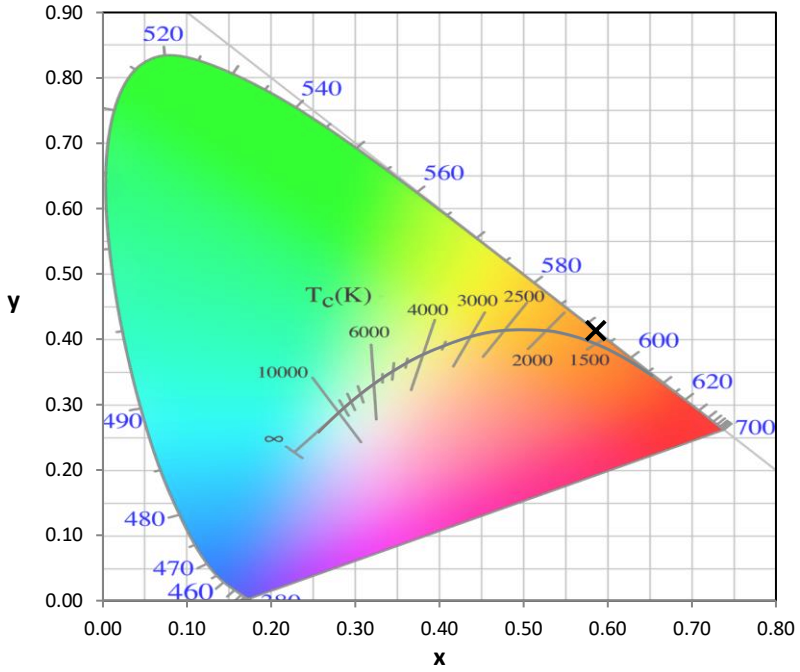
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

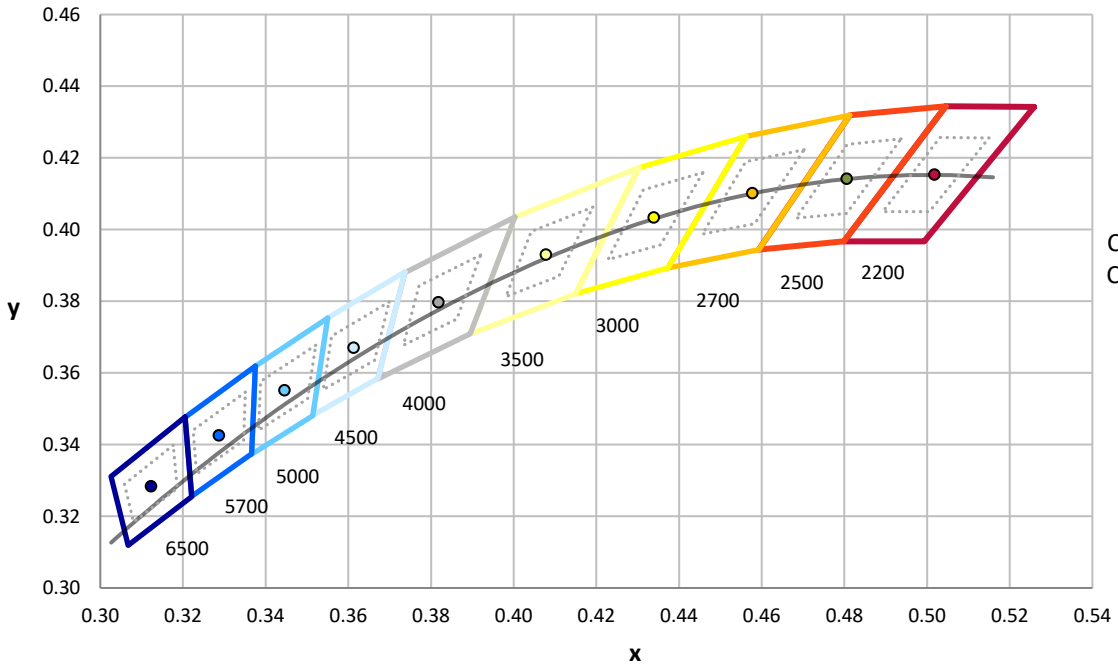
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024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

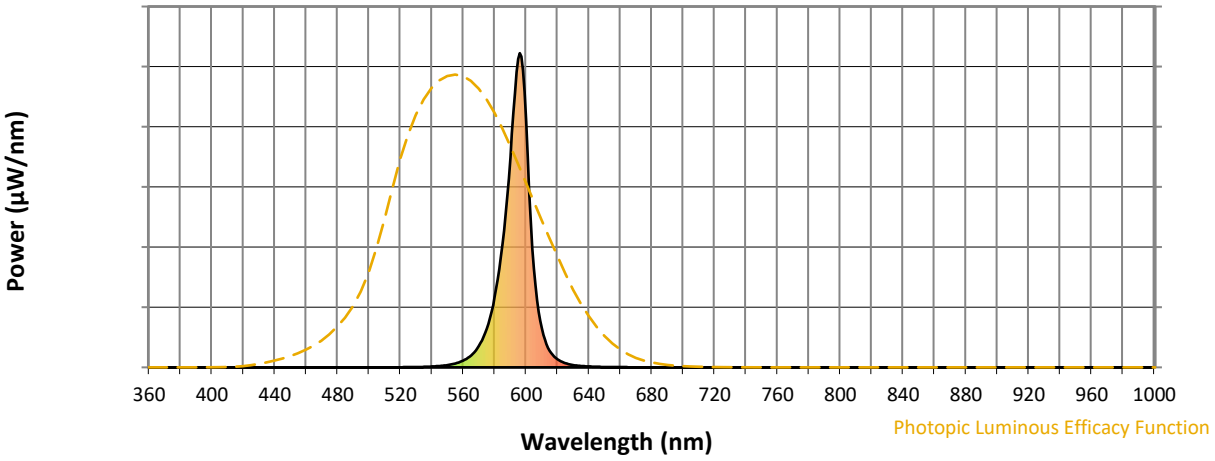


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

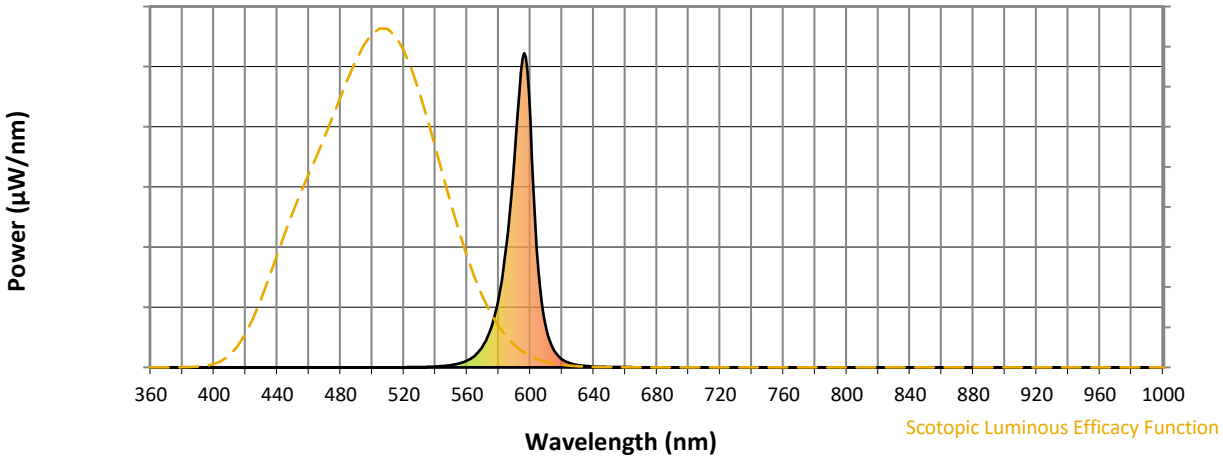


Photopic Lumens: NR

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			

REPORT NUMBER: SP3-2509-541-1

Scotopic Flux vs. Wavelength

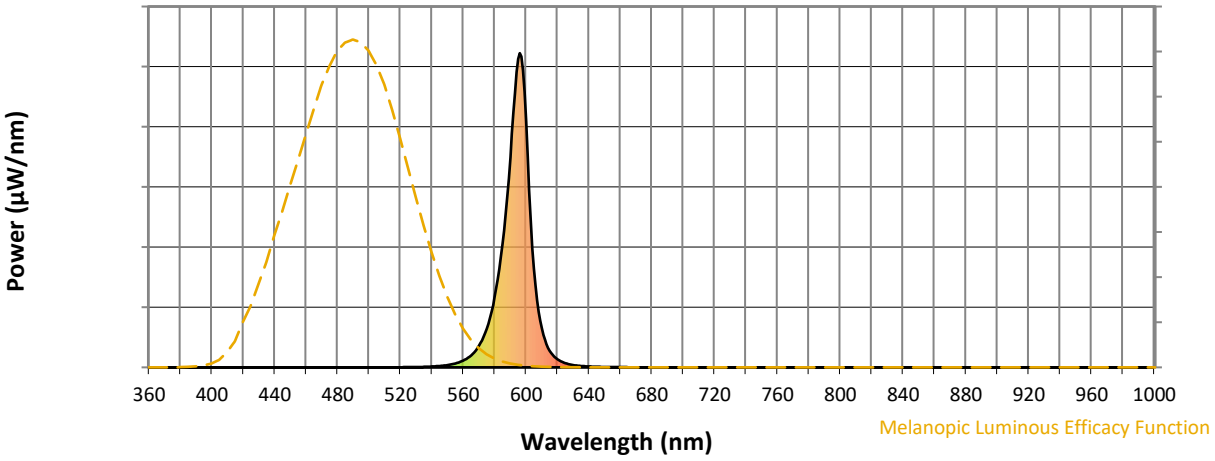


Scotopic Lumens: NR **S/P: 0.23**

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			

REPORT NUMBER: SP3-2509-541-1

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			

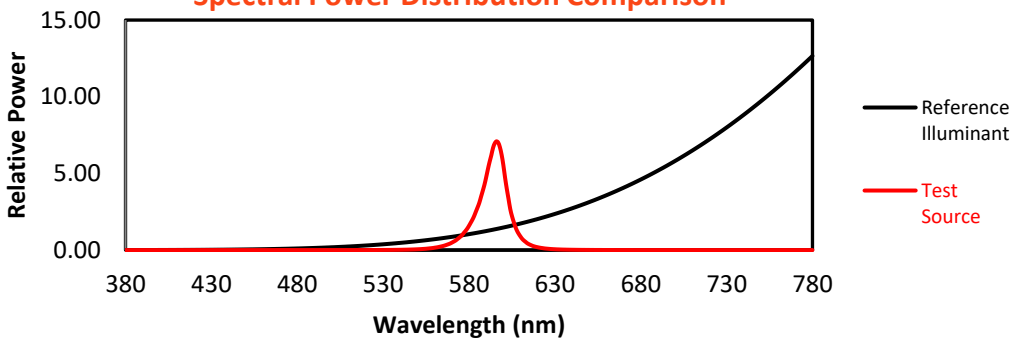
REPORT NUMBER: SP3-2509-541-1

TM-30-18

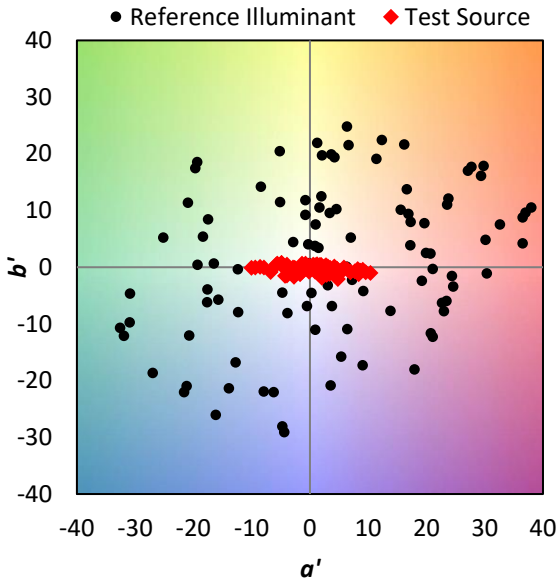
Summary

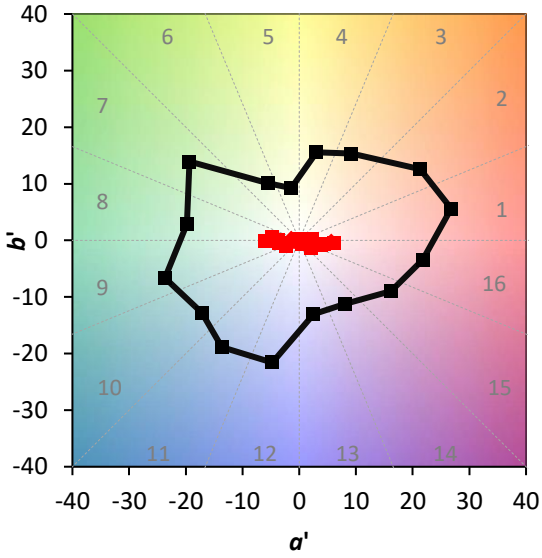
R_f = 1.2
R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

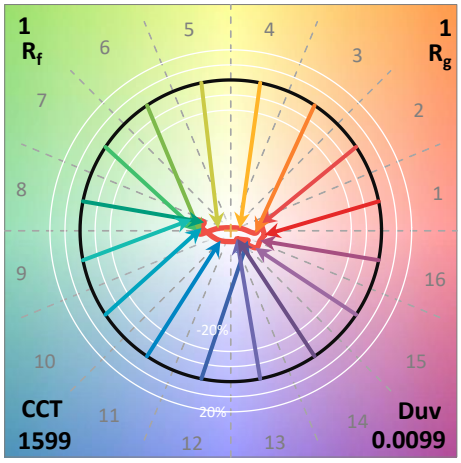
Spectral Power Distribution Comparison

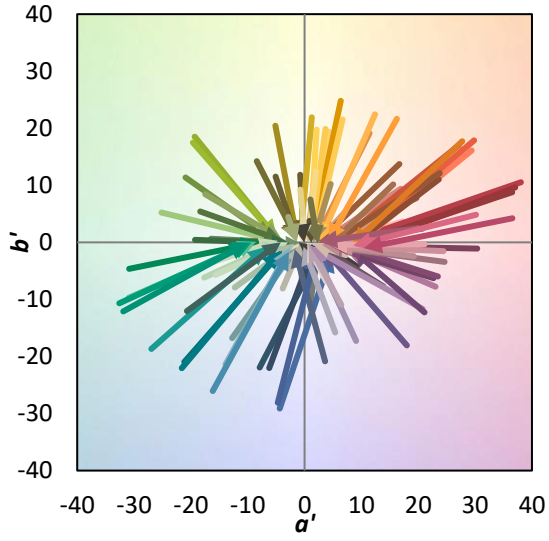


Color Vector Graphics







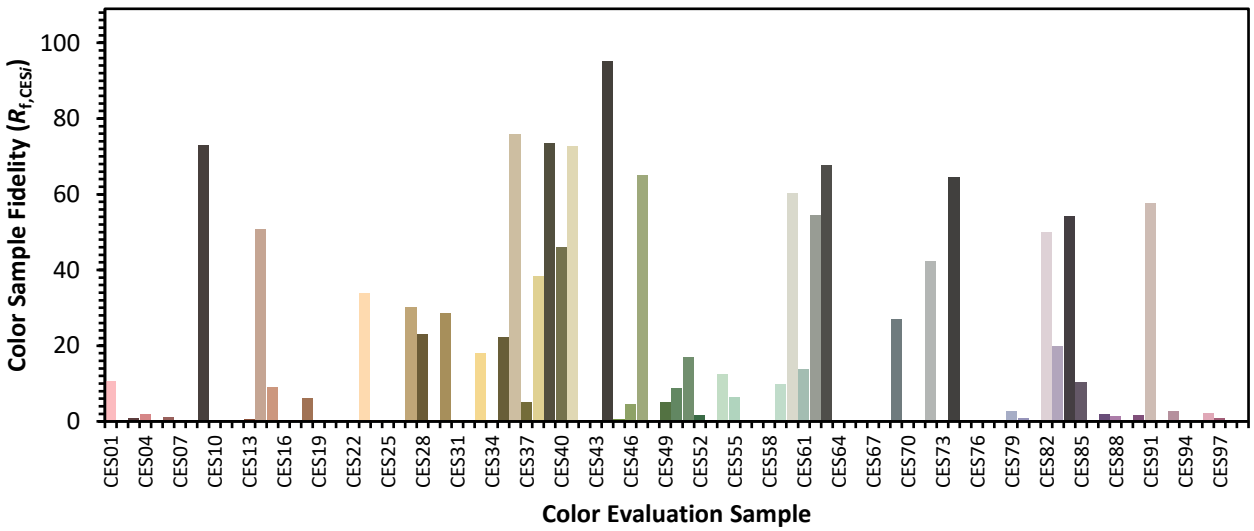


REPORT NUMBER: SP3-2509-541-1

TM-30-18

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

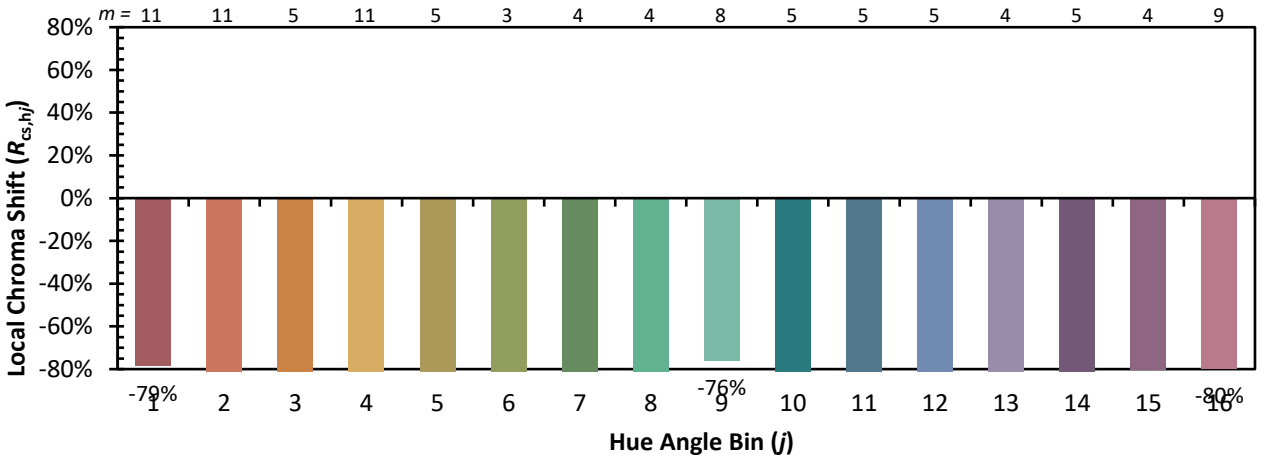
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 =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

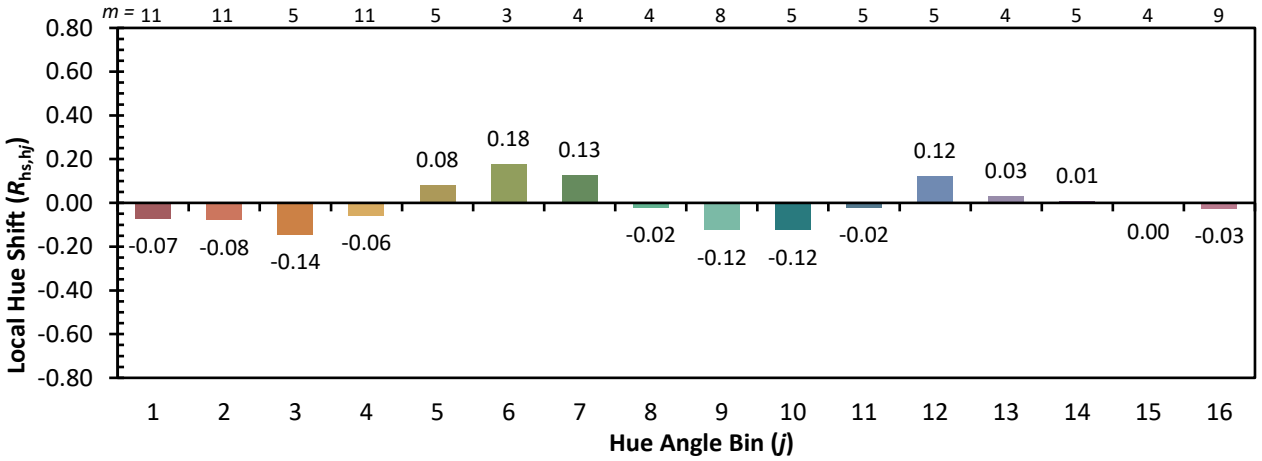


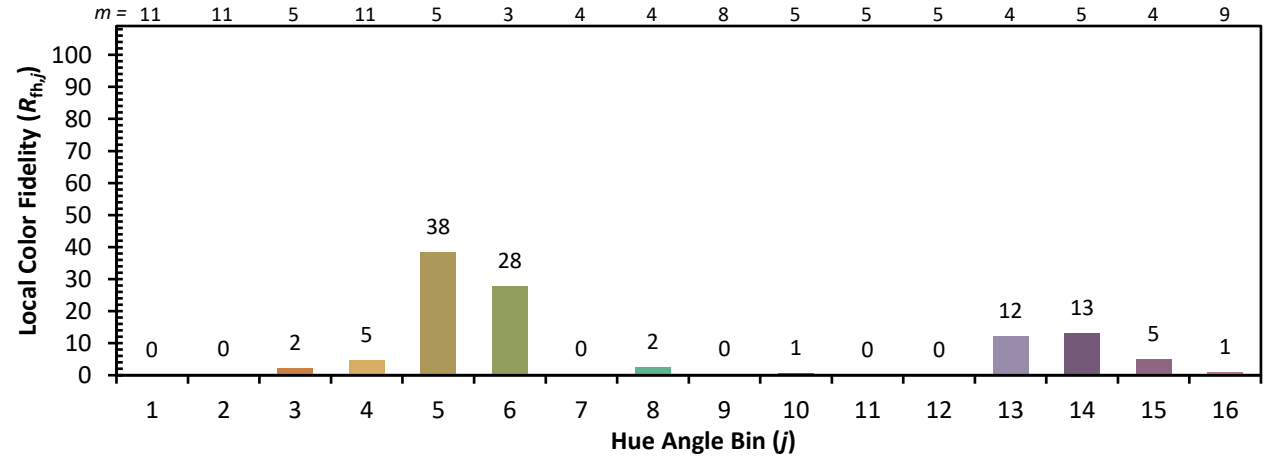
REPORT NUMBER: SP3-2509-541-1

TM-30-18

Color Rendition by Hue-Angle Bin



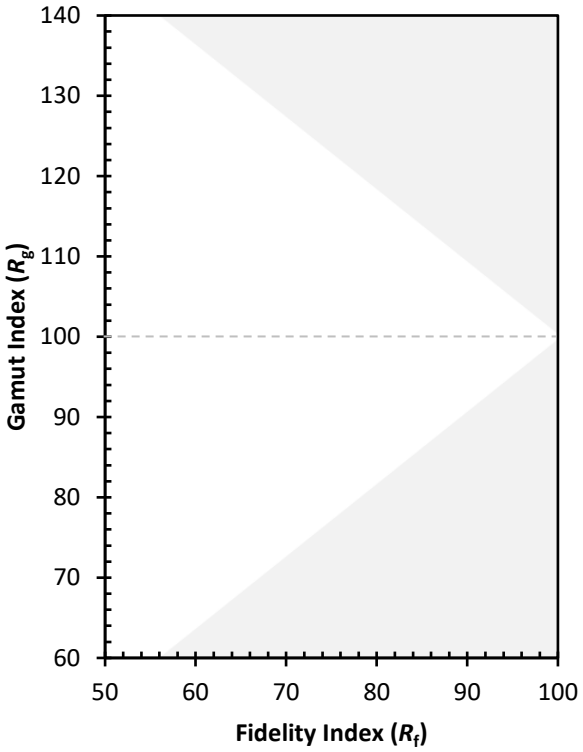


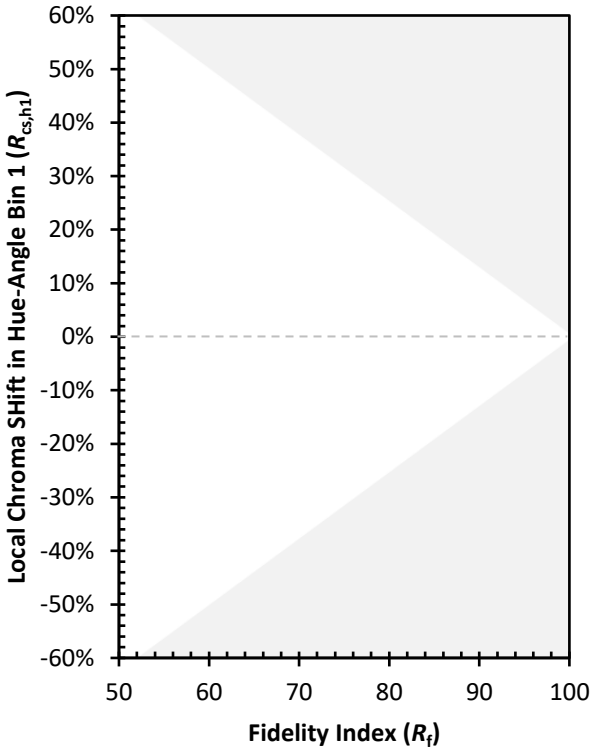


REPORT NUMBER: SP3-2509-541-1

TM-30-18

Measure Comparisons





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