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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1047029

Luminaire Tested: **GALN-SA5A-740-U-T3BC**

Issue Date: 07/10/2025

Report Generated By 670347003

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1047029
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA5A-740-U-T3BC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE 70CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source:	(70) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18645 lumens
Efficiency:	N/A
Efficacy:	136.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G4

Input Watts (W):	136.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
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: P1047029
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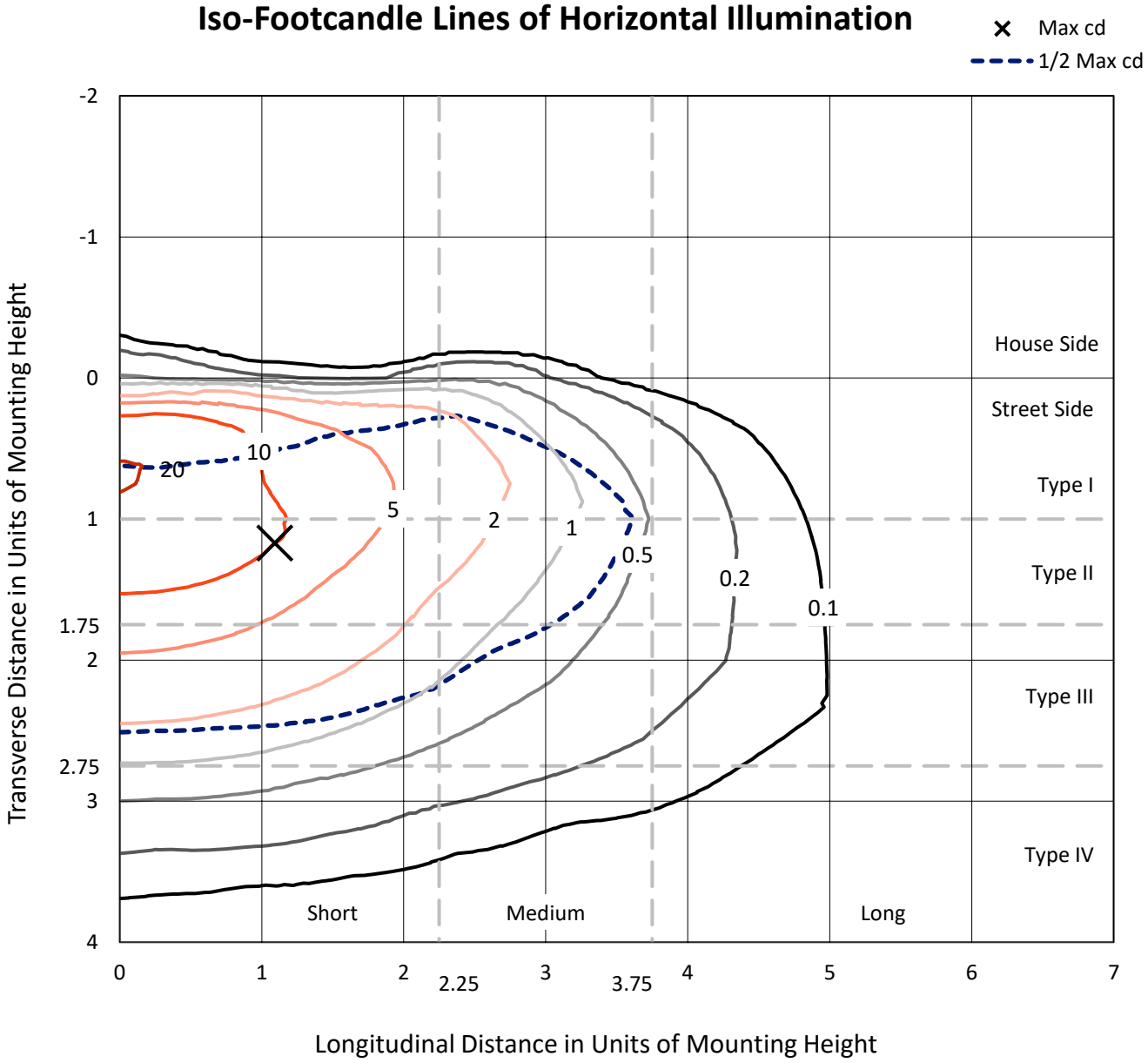
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 20.9 fc
Type III - Short - N/A

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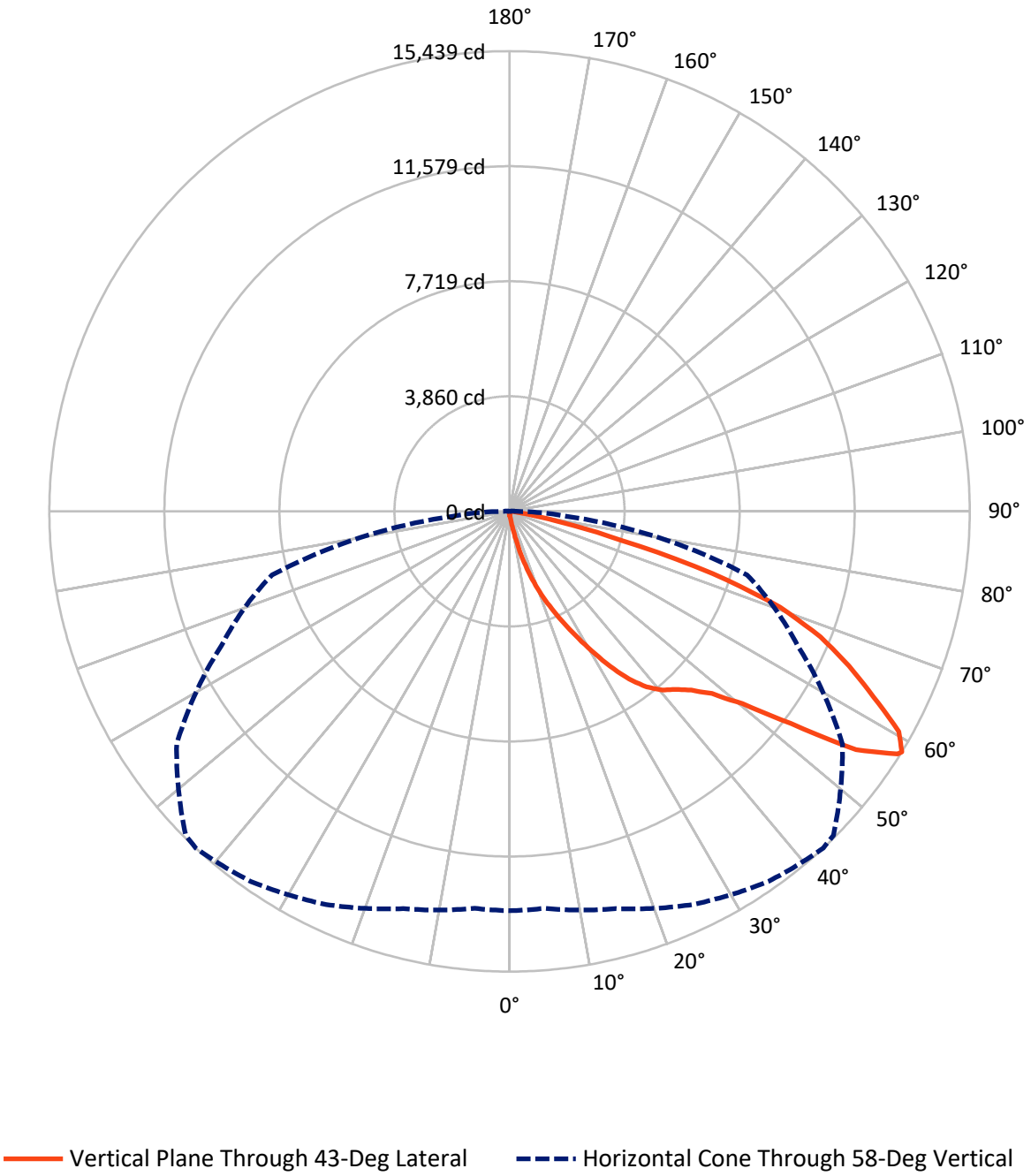
Luminous Intensity Polar Plot



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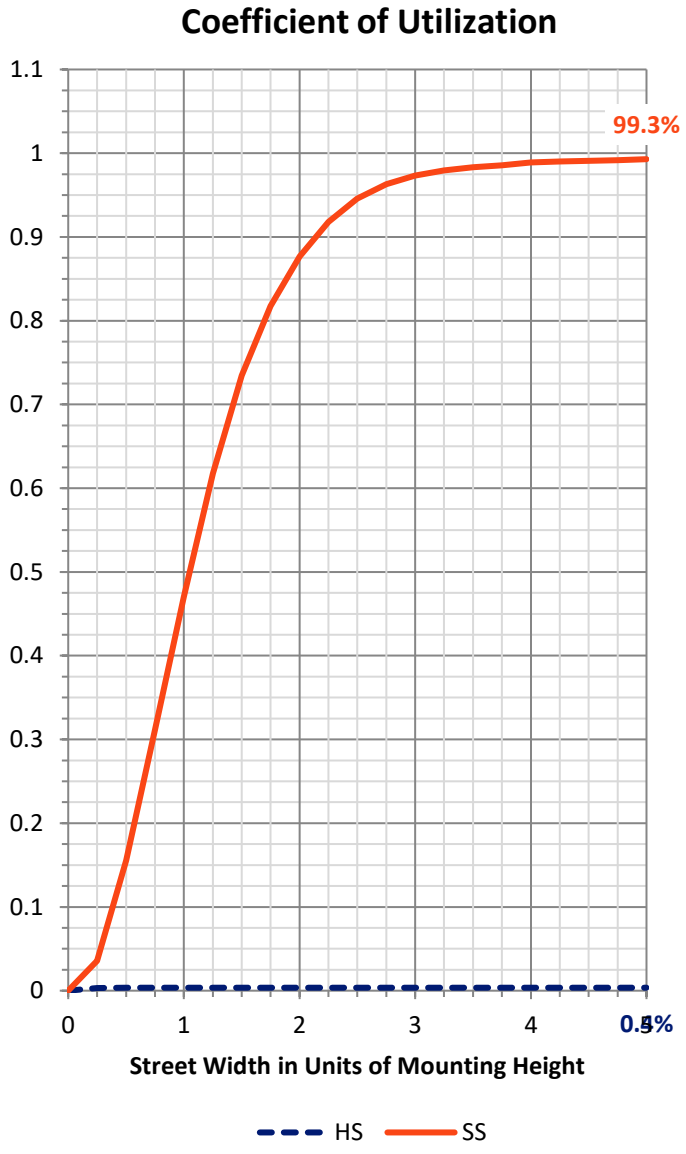
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	68.1	0.0	68.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	18576.9	0.0	18576.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	18645.0	0.0	18645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	0.1
10°-20°	214.3	1.1
20°-30°	772.5	4.1
30°-40°	1767.4	9.5
40°-50°	2981.0	16.0
50°-60°	4919.3	26.4
60°-70°	5498.0	29.5
70°-80°	2270.0	12.2
80°-90°	204.6	1.1
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°	18645.0	100.0
0°-180°	18645.0	100.0



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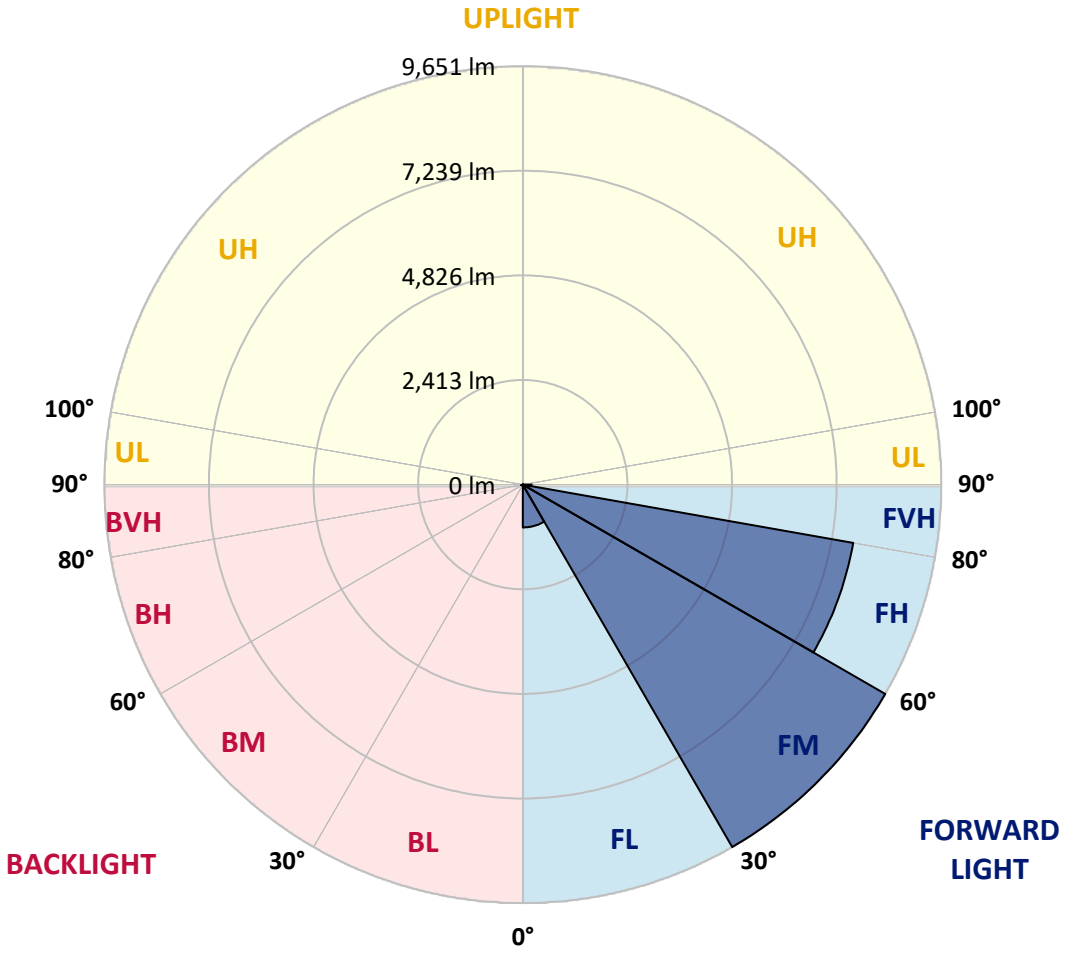
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	986.9	5.3			
FM	(30°-60°)	9651.3	51.8			
FH	(60°-80°)	7736.8	41.5			G4/12000
FVH	(80°-90°)	201.8	1.1			G2/225
BL	(0°-30°)	17.8	0.1	B0/110		
BM	(30°-60°)	16.3	0.1	B0/220		
BH	(60°-80°)	31.2	0.2	B0/110		G0/110
BVH	(80°-90°)	2.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	121.9	121.9	121.9	121.9	121.9	*121.9*	121.9	121.9	121.9	121.9	121.9
2.5°	146.3	151.2	146.3	146.3	146.3	*141.4*	141.4	136.5	136.5	131.7	126.8
5°	214.6	214.6	199.9	190.2	180.4	*175.6*	170.7	160.9	151.2	141.4	131.7
7.5°	477.9	477.9	434.0	375.5	297.5	*253.6*	243.8	199.9	170.7	151.2	131.7
10°	1141.1	1141.1	1043.6	882.6	682.7	*507.1*	453.5	287.7	204.8	160.9	136.5
12.5°	1896.9	1921.3	1799.4	1594.6	1297.1	*989.9*	882.6	526.7	273.1	175.6	136.5
15°	2574.8	2516.2	2482.1	2287.0	2004.2	*1638.5*	1501.9	887.5	395.0	199.9	136.5
17.5°	3033.1	3033.1	2984.4	2852.7	2594.3	*2272.4*	2160.3	1433.7	638.8	229.2	141.4
20°	3569.5	3569.5	3481.8	3389.1	3159.9	*2886.8*	2779.6	2038.3	989.9	292.6	141.4
22.5°	4218.1	4227.9	4130.3	3964.5	3745.1	*3442.8*	3350.1	2599.1	1433.7	390.1	146.3
25°	5008.1	5017.8	4876.4	4720.4	4383.9	*4057.2*	3915.8	3242.8	1975.0	546.2	146.3
27.5°	5881.0	5949.2	5739.5	5471.3	5115.4	*4705.7*	4598.5	3823.1	2511.4	770.5	156.0
30°	6968.4	6968.4	6690.5	6315.0	5929.7	*5422.6*	5286.0	4432.7	3081.9	1067.9	165.8
32.5°	7904.7	7831.5	7475.6	7080.6	6670.9	*6197.9*	6051.6	5071.5	3667.1	1438.5	185.3
35°	8621.5	8558.1	8119.2	7695.0	7339.0	*6905.0*	6729.5	5763.9	4286.4	1857.9	214.6
37.5°	9235.9	9211.6	8616.6	8085.1	7851.0	*7470.7*	7314.6	6417.4	4895.9	2311.4	248.7
40°	9908.9	9830.9	9196.9	8538.6	8187.5	*7880.3*	7738.9	6944.0	5481.1	2843.0	297.5
42.5°	10484.3	10391.7	9821.1	9177.4	8577.6	*8163.1*	8026.6	7387.8	6051.6	3374.5	360.9
45°	11123.1	11074.4	10498.9	10011.3	9211.6	*8548.4*	8367.9	7743.8	6573.4	4008.4	443.8
47.5°	12083.8	11996.0	11459.6	11059.7	10133.2	*9133.5*	8875.1	8109.5	7075.7	4632.6	570.5
50°	13200.5	13142.0	12825.0	12508.0	11586.4	*10133.2*	9826.0	8636.1	7636.5	5373.8	736.3
52.5°	14112.4	14102.6	14141.6	14146.5	13449.2	*11815.6*	11357.2	9484.6	8280.2	6105.3	970.4
55°	14092.9	14136.7	14565.9	15058.4	15112.0	*14112.4*	13668.6	10913.4	9118.9	7007.4	1297.1
57.5°	13566.2	13532.1	13985.6	14726.8	15248.6	*15355.9*	15282.7	13132.2	10381.9	8094.9	1799.4
58°	*13395.5*	*13366.3*	*13795.4*	*14551.2*	*15151.0*	*15438.8*	*15365.6*	*13634.5*	*10664.7*	*8250.9*	*1935.9*
60°	12776.2	12781.1	13034.7	13722.3	14322.1	*15004.8*	15073.0	15068.1	12074.0	9294.5	2623.5
62.5°	11957.0	11918.0	12152.0	12712.8	13239.5	*13697.9*	13814.9	15165.7	14136.7	10620.8	3935.3
65°	10825.7	10767.1	11015.8	11649.8	12215.4	*12512.9*	12517.8	13858.8	15107.2	12044.8	5807.8
67.5°	8723.9	8675.2	9172.6	9986.9	10859.8	*11249.9*	11425.5	12025.3	14287.9	13010.3	6880.6
70°	5344.6	5447.0	6139.4	7417.0	8909.2	*9626.1*	9889.4	10074.7	12166.7	12864.0	5754.2
72.5°	2467.5	2345.6	2935.6	3828.0	5529.9	*7124.5*	7397.5	8124.1	9645.6	11167.0	4291.3
75°	1150.8	1106.9	1243.5	1672.6	2506.5	*3847.5*	4344.9	6485.6	7397.5	7768.1	3096.5
77.5°	590.0	594.9	707.1	760.7	1033.8	*1779.9*	2043.2	4266.9	5422.6	4335.1	2077.4
80°	258.5	268.2	273.1	297.5	419.4	*687.6*	775.4	1979.8	3706.1	2209.0	1136.2
82.5°	165.8	170.7	170.7	170.7	199.9	*273.1*	312.1	794.9	1848.2	1097.2	351.1
85°	87.8	87.8	97.5	121.9	141.4	*165.8*	175.6	253.6	609.6	326.7	82.9
87.5°	48.8	53.6	58.5	73.1	92.7	*112.2*	121.9	175.6	234.1	224.3	19.5
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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CATALOG NUMBER: GALN-SA5A-740-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9
2.5°	126.8	121.9	117.0	112.2	107.3	102.4	102.4	102.4	102.4	102.4	102.4
5°	121.9	117.0	112.2	102.4	92.7	87.8	82.9	78.0	78.0	78.0	78.0
7.5°	121.9	117.0	102.4	92.7	82.9	73.1	63.4	63.4	63.4	63.4	63.4
10°	121.9	112.2	97.5	82.9	68.3	58.5	53.6	48.8	48.8	48.8	48.8
12.5°	121.9	107.3	92.7	73.1	58.5	48.8	43.9	39.0	39.0	39.0	39.0
15°	121.9	107.3	87.8	68.3	53.6	39.0	34.1	29.3	29.3	29.3	29.3
17.5°	117.0	102.4	82.9	58.5	43.9	29.3	24.4	19.5	19.5	24.4	24.4
20°	112.2	97.5	73.1	48.8	34.1	24.4	14.6	14.6	14.6	14.6	14.6
22.5°	112.2	97.5	68.3	43.9	29.3	14.6	9.8	9.8	9.8	9.8	14.6
25°	112.2	92.7	58.5	34.1	19.5	9.8	4.9	4.9	4.9	4.9	4.9
27.5°	112.2	92.7	53.6	29.3	14.6	9.8	4.9	0.0	0.0	0.0	0.0
30°	107.3	87.8	48.8	24.4	9.8	4.9	0.0	0.0	0.0	0.0	0.0
32.5°	107.3	82.9	39.0	19.5	9.8	4.9	0.0	0.0	0.0	0.0	0.0
35°	112.2	78.0	34.1	14.6	4.9	0.0	0.0	0.0	0.0	0.0	4.9
37.5°	117.0	73.1	29.3	9.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	121.9	68.3	29.3	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	131.7	68.3	24.4	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	141.4	68.3	19.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	160.9	73.1	19.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	175.6	78.0	14.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	195.1	73.1	14.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	219.4	73.1	14.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	238.9	68.3	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	*248.7*	*63.4*	*9.8*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	297.5	58.5	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	463.3	48.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	941.1	43.9	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1755.5	39.0	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1965.2	43.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1238.6	34.1	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	653.4	34.1	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	326.7	34.1	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	151.2	24.4	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	63.4	14.6	9.8	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	29.3	14.6	9.8	9.8	4.9	4.9	0.0	0.0	0.0	0.0	0.0
87.5°	14.6	14.6	14.6	9.8	9.8	4.9	4.9	0.0	0.0	0.0	0.0
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

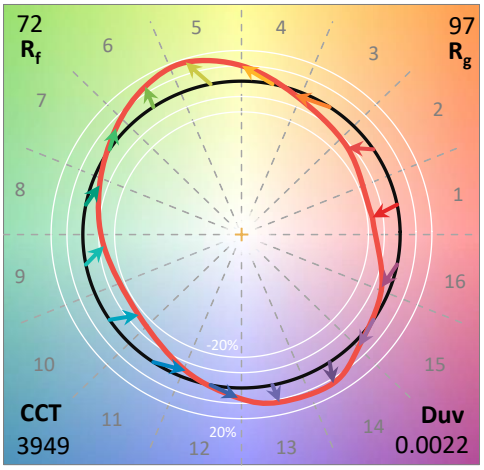
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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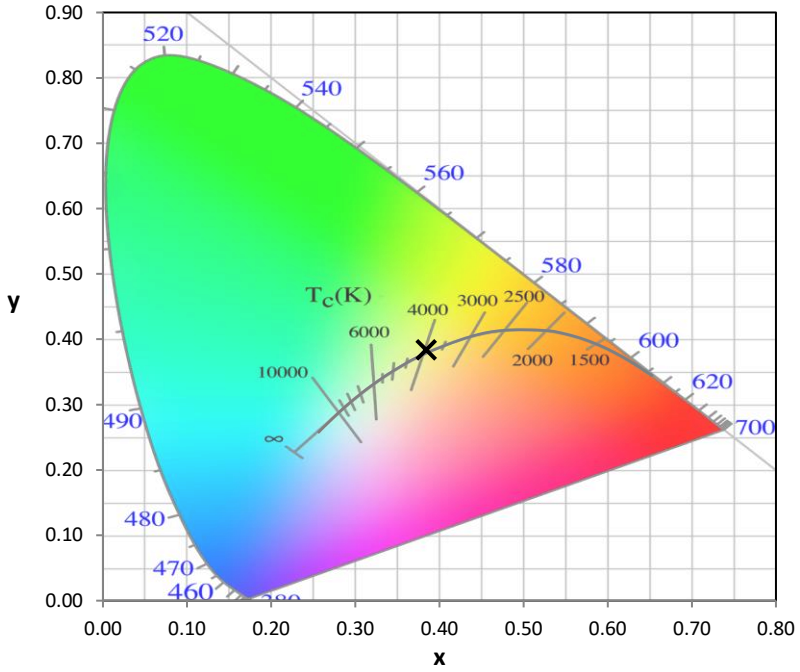
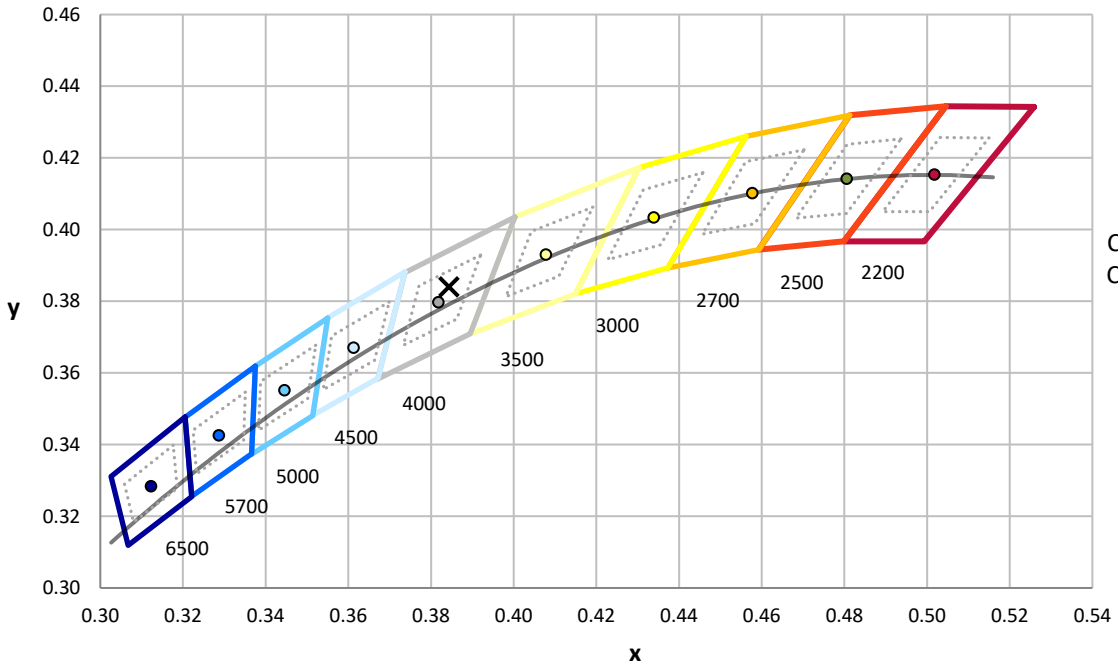
CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

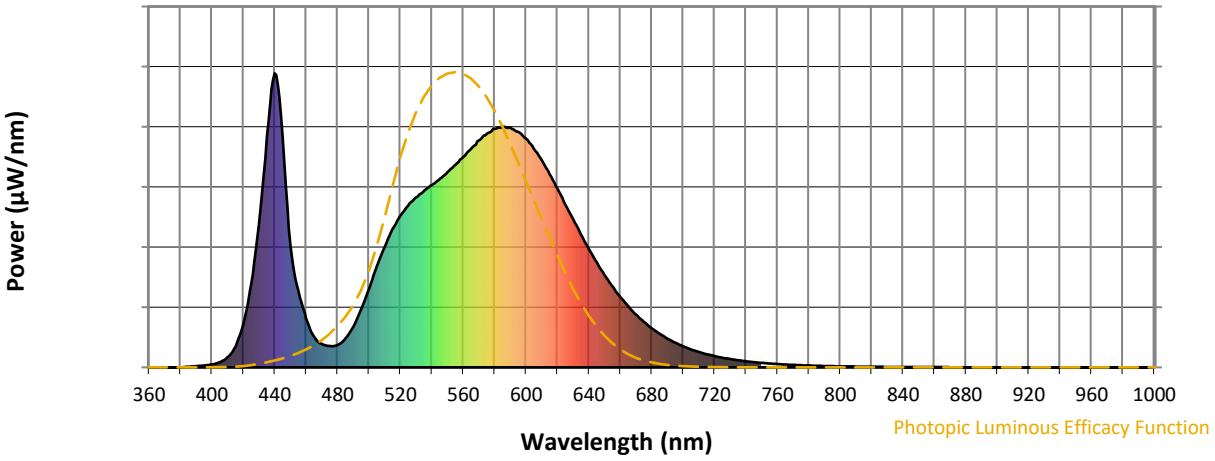


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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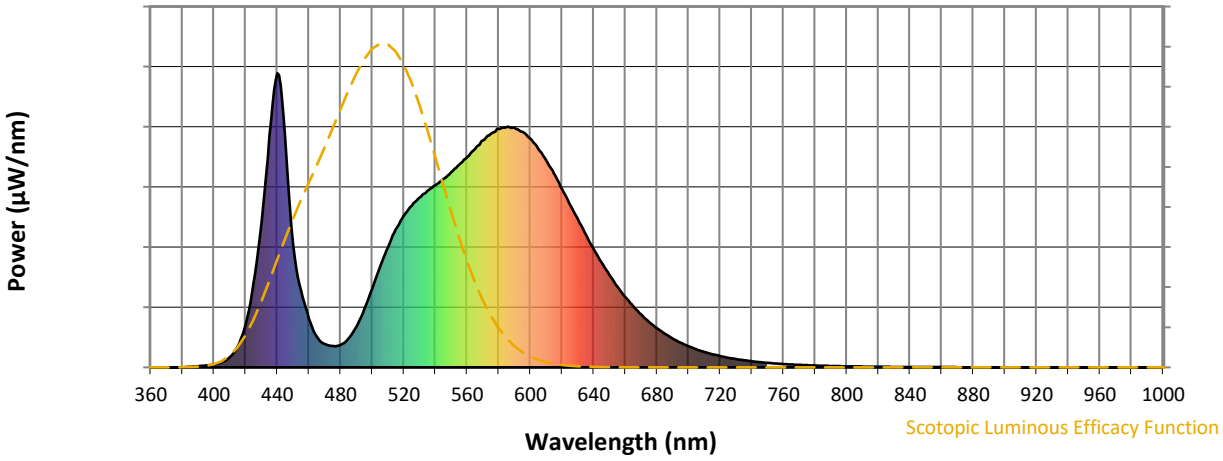
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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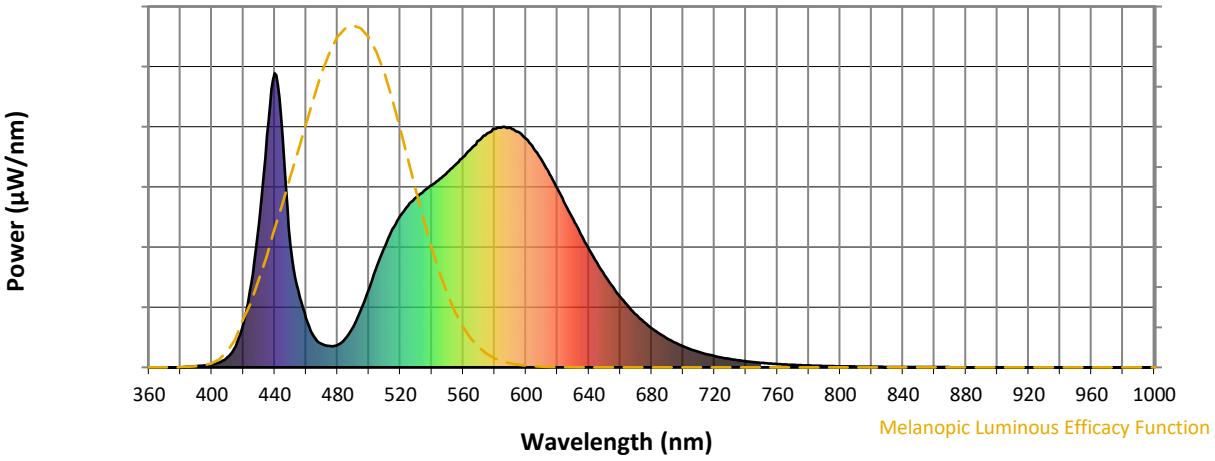
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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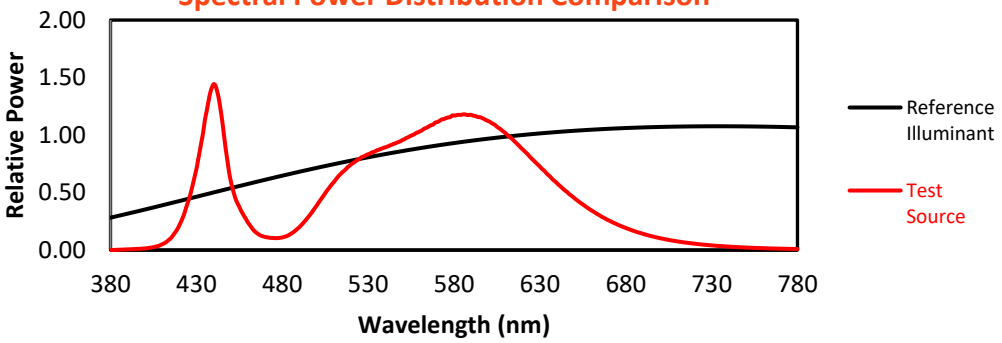
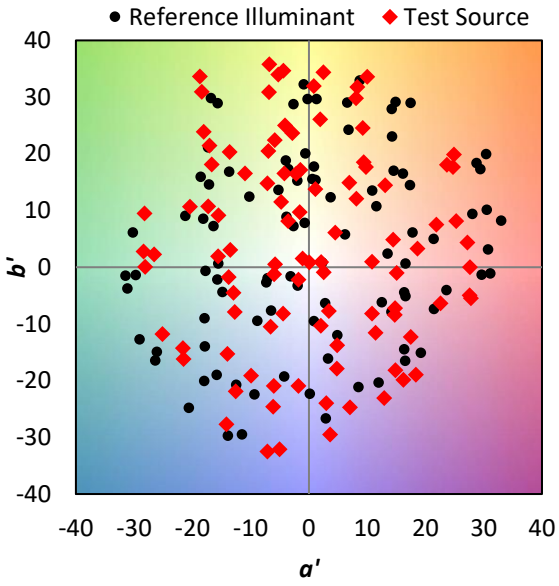
Summary

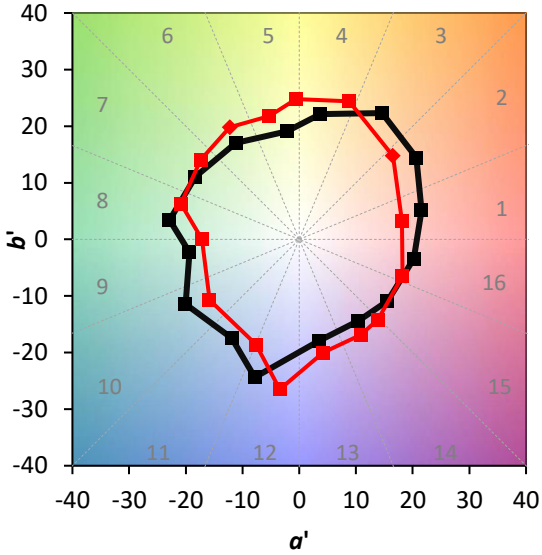
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

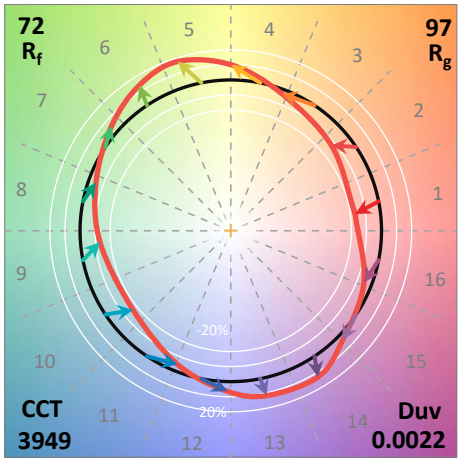
Spectral Power Distribution Comparison

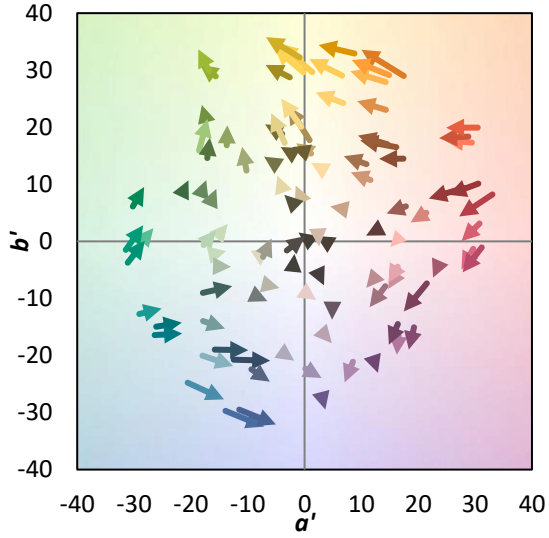


Color Vector Graphics









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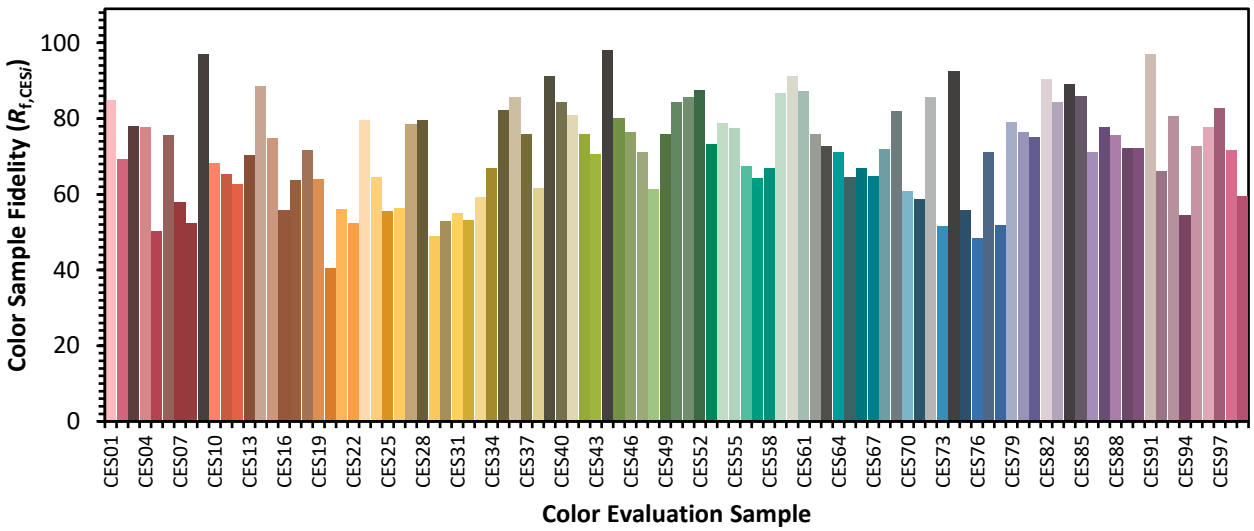
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



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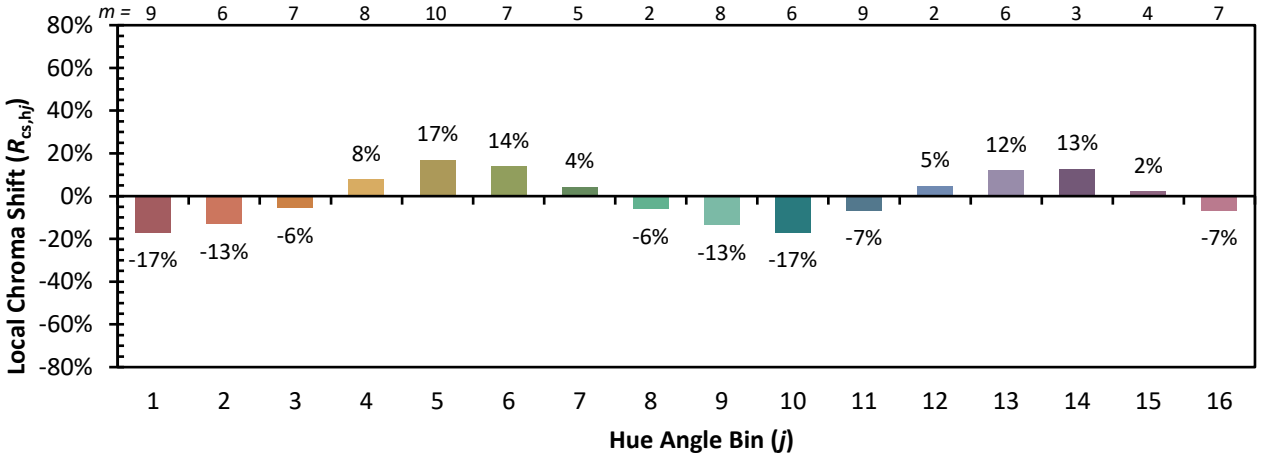
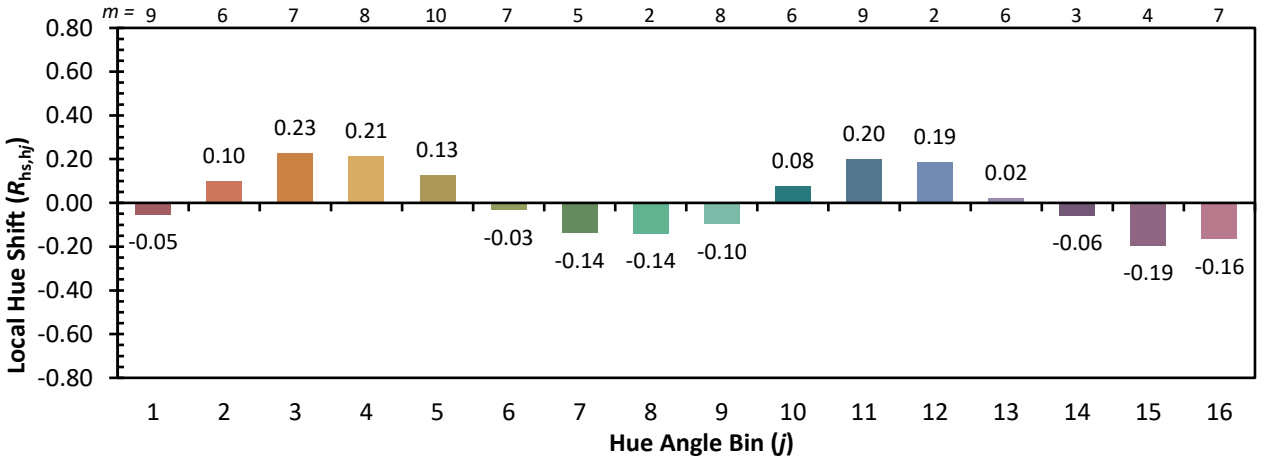
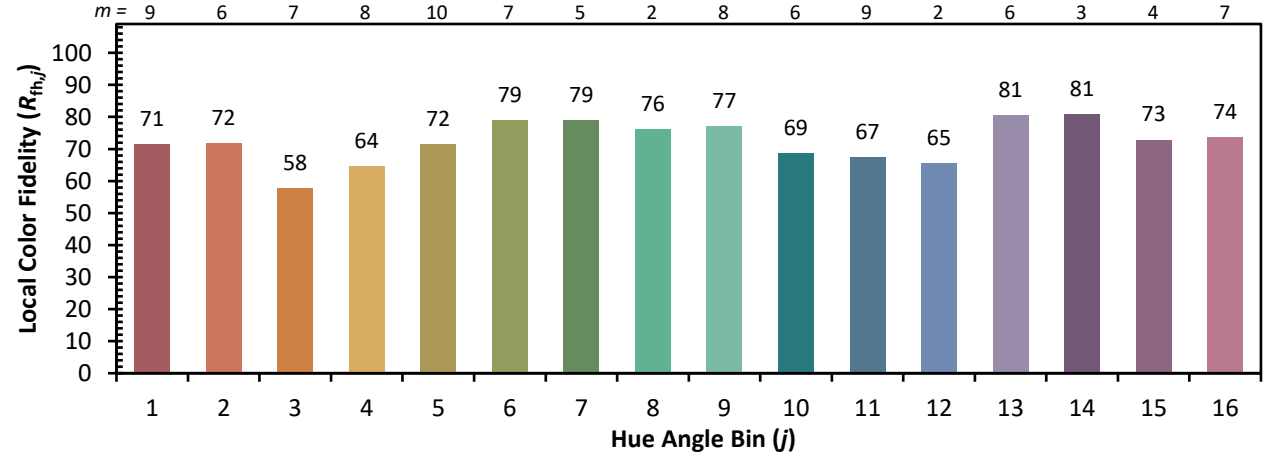
Color Rendition by Hue-Angle Bin







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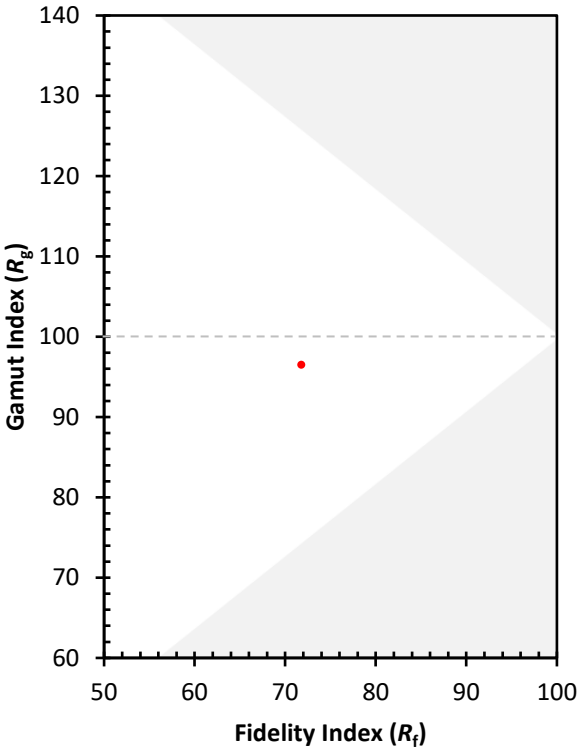
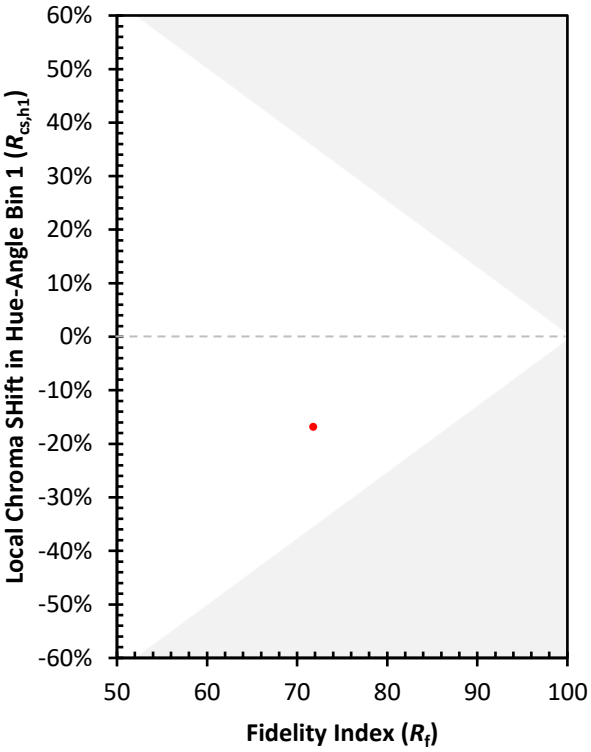
Measure Comparisons





(END OF REPORT)