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: P1048357

Luminaire Tested: **GALN-SA4A-730-U-T4BC**

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:	P1048357
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA4A-730-U-T4BC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE 70CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source:	(56) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14349.6 lumens
Efficiency:	N/A
Efficacy:	133.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G4

Input Watts (W):	107.4
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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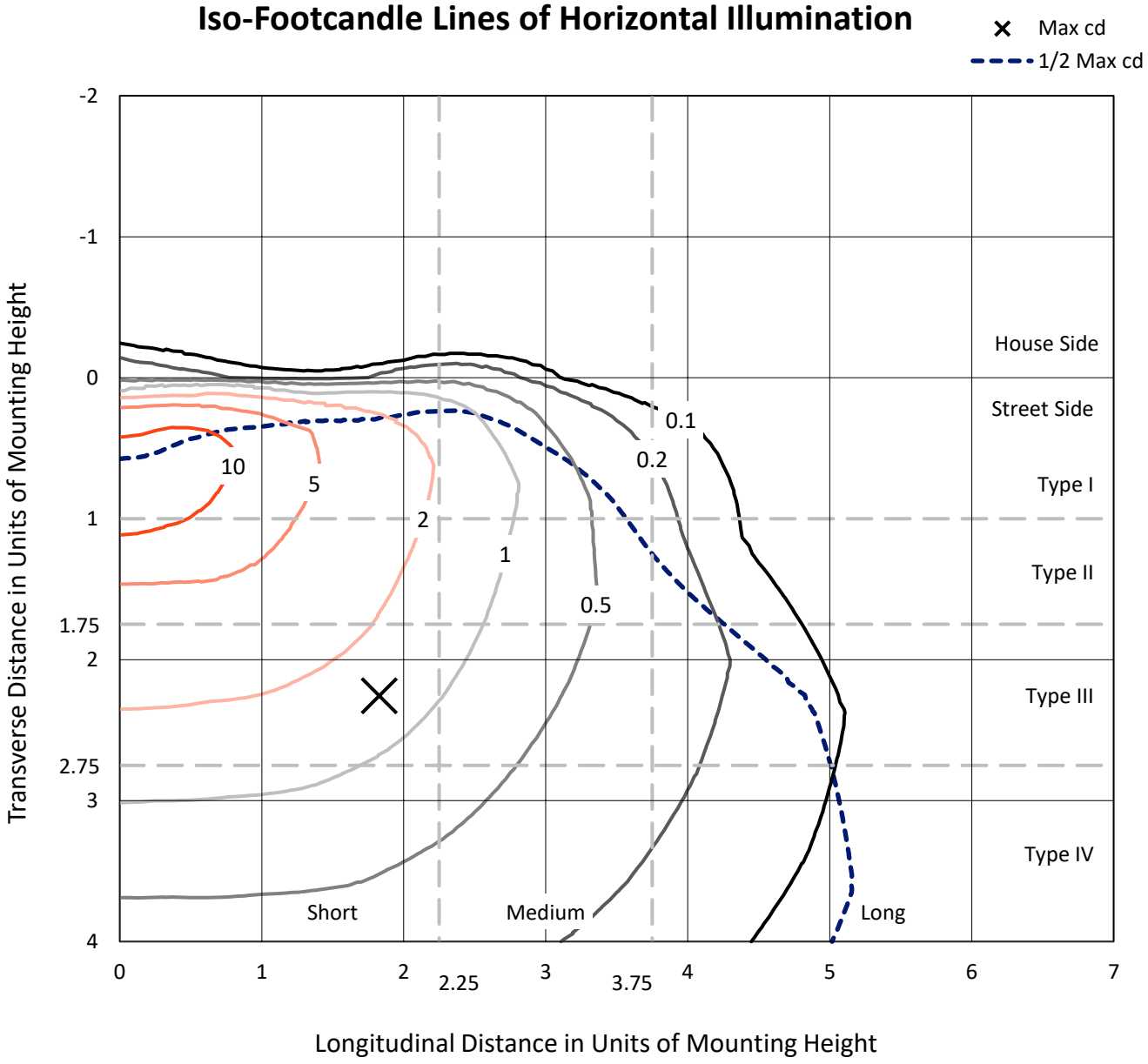
REPORT NUMBER: P1048357
CATALOG NUMBER: GALN-SA4A-730-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 14.8 fc
Type IV - Short - N/A

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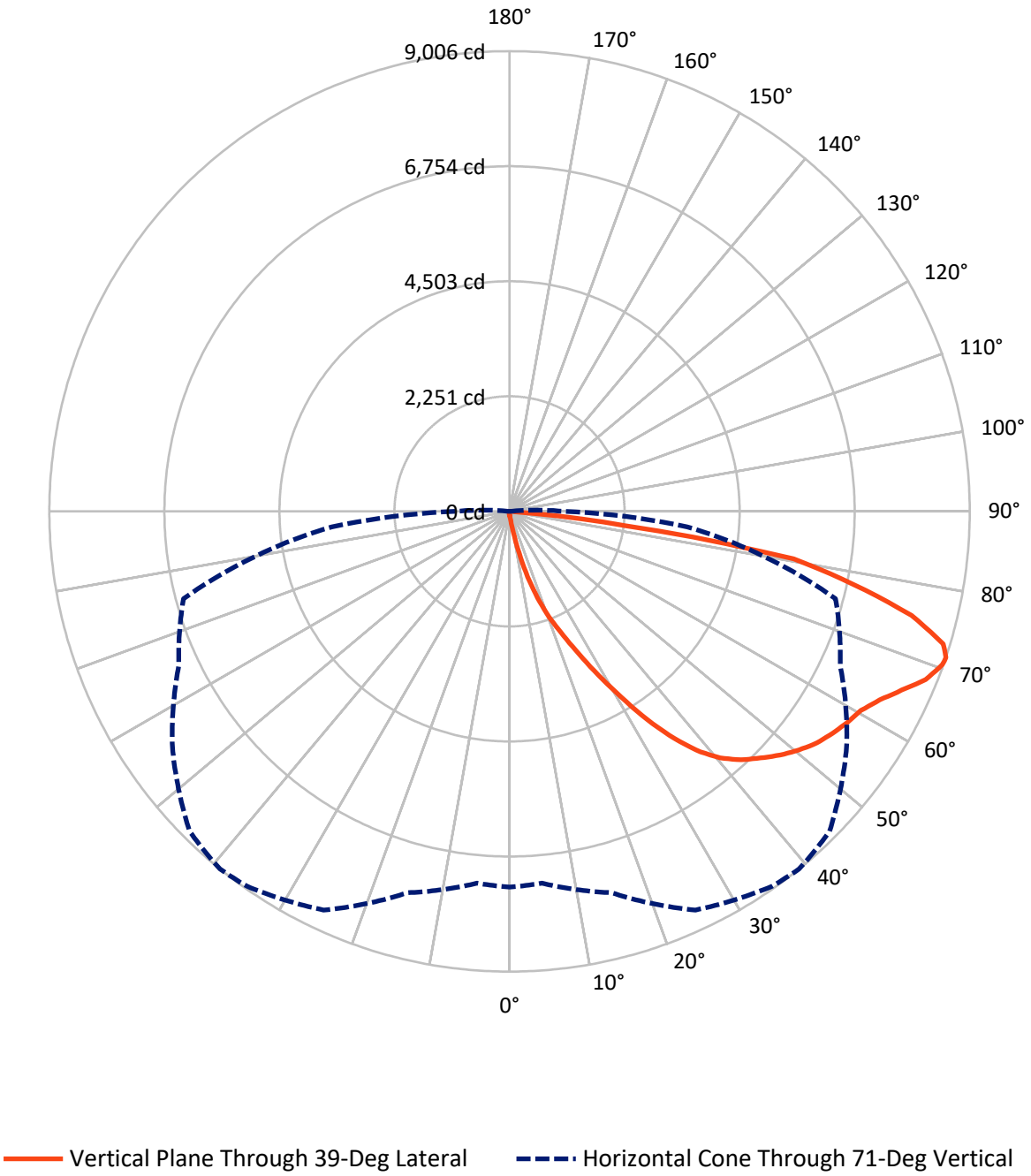
Luminous Intensity Polar Plot



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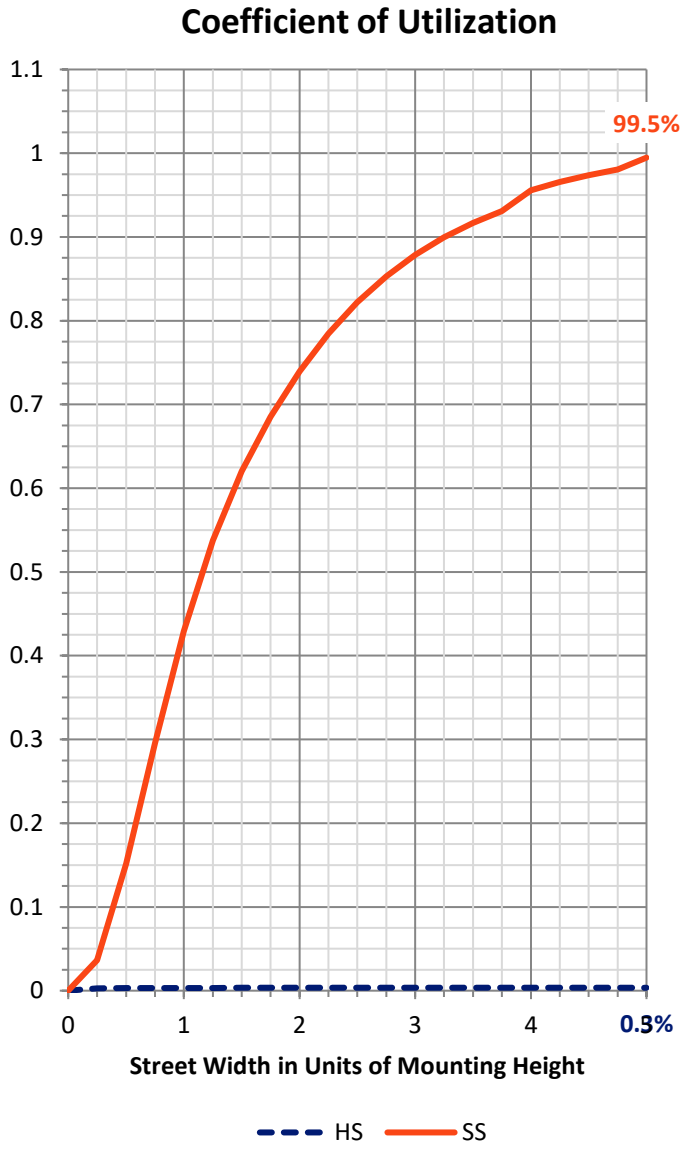
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.0	0.0	51.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14298.6	0.0	14298.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	14349.6	0.0	14349.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.1
10°-20°	153.4	1.1
20°-30°	546.2	3.8
30°-40°	1316.4	9.2
40°-50°	2203.0	15.4
50°-60°	2829.5	19.7
60°-70°	3580.8	25.0
70°-80°	3192.4	22.2
80°-90°	516.0	3.6
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°	14349.6	100.0
0°-180°	14349.6	100.0



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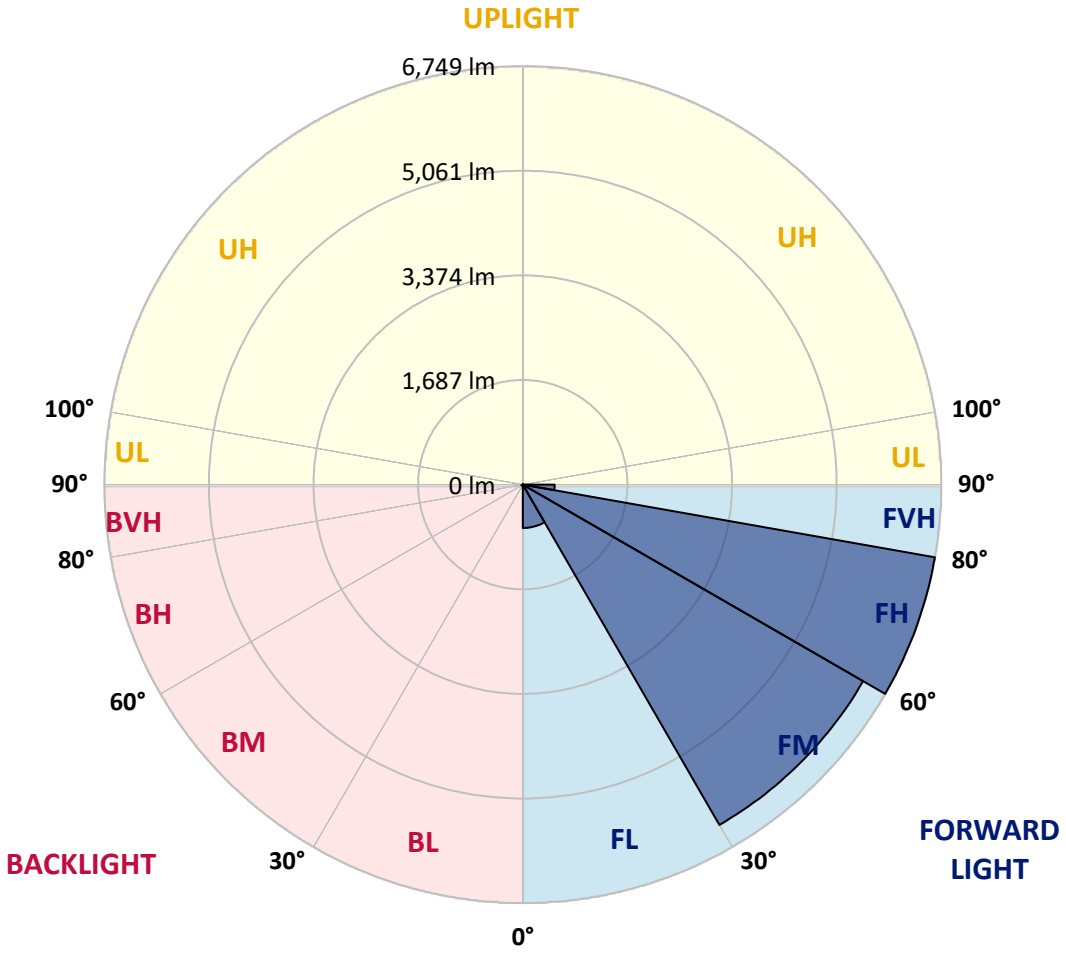
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	699.2	4.9			
FM	(30°-60°)	6337.1	44.2			
FH	(60°-80°)	6748.6	47.0			G3/7500
FVH	(80°-90°)	513.7	3.6			G4/750
BL	(0°-30°)	12.3	0.1	B0/110		
BM	(30°-60°)	11.8	0.1	B0/220		
BH	(60°-80°)	24.5	0.2	B0/110		G0/110
BVH	(80°-90°)	2.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	78.7	78.7	78.7	78.7	78.7	*78.7*	78.7	78.7	78.7	78.7	78.7
2.5°	90.3	90.3	90.3	87.4	87.4	*86.5*	85.5	85.5	83.5	82.6	80.6
5°	137.0	134.1	127.3	123.4	115.6	*110.7*	105.9	99.1	92.3	87.4	81.6
7.5°	309.9	316.7	294.3	252.6	209.8	*191.4*	160.3	129.2	106.9	92.3	82.6
10°	789.7	785.9	710.1	626.5	483.8	*426.4*	334.2	210.8	137.9	101.0	83.5
12.5°	1343.4	1339.6	1250.2	1136.5	948.1	*828.6*	653.7	393.4	198.2	114.6	83.5
15°	1808.7	1793.2	1765.0	1652.3	1431.8	*1331.8*	1100.6	695.5	320.6	137.9	85.5
17.5°	2116.7	2103.1	2076.8	2036.0	1896.2	*1777.6*	1592.1	1092.8	518.7	178.7	89.4
20°	2399.3	2389.6	2368.3	2360.5	2270.1	*2207.0*	2053.5	1549.4	808.2	242.8	95.2
22.5°	2787.9	2767.5	2776.2	2729.6	2641.2	*2565.4*	2471.2	2027.3	1161.8	349.7	105.9
25°	3263.9	3254.2	3229.9	3196.9	3074.5	*3008.4*	2863.7	2478.0	1557.1	489.6	117.5
27.5°	3838.9	3828.3	3822.4	3746.7	3605.8	*3533.9*	3331.9	2903.5	2002.0	685.8	133.1
30°	4501.4	4506.3	4468.4	4371.3	4207.1	*4106.1*	3898.2	3349.4	2457.6	916.0	149.6
32.5°	5187.2	5177.5	5119.2	5004.6	4857.9	*4763.7*	4499.5	3838.0	2935.5	1220.1	169.0
35°	5926.5	5908.0	5754.5	5623.4	5498.1	*5379.6*	5138.7	4405.3	3413.5	1561.0	195.2
37.5°	6672.5	6586.0	6278.1	6112.0	6025.6	*5928.4*	5704.0	5010.4	3888.5	1941.8	227.3
40°	7235.9	7168.9	6803.6	6497.6	6428.7	*6346.1*	6179.0	5533.1	4393.6	2350.8	266.2
42.5°	7547.7	7510.8	7182.5	6880.4	6718.2	*6645.3*	6502.5	5989.6	4892.9	2802.5	322.5
45°	7680.8	7623.5	7404.0	7263.1	7004.7	*6884.3*	6714.3	6334.5	5414.5	3315.4	401.2
47.5°	7640.0	7607.0	7449.6	7501.1	7313.6	*7126.1*	6876.5	6598.7	5860.4	3904.0	509.0
50°	7383.6	7355.4	7306.8	7585.6	7562.3	*7340.8*	7086.3	6807.5	6224.7	4511.1	676.1
52.5°	6895.9	6884.3	7008.6	7519.6	7703.1	*7530.2*	7288.4	6992.1	6564.7	5145.5	915.1
55°	6267.4	6315.0	6670.6	7416.6	7775.0	*7670.1*	7467.1	7165.0	6837.6	5712.8	1267.7
57.5°	6009.0	6021.7	6465.6	7343.7	7807.1	*7793.5*	7641.0	7330.1	7088.3	6166.4	1805.8
60°	6311.1	6291.7	6525.8	7399.1	7871.2	*7904.2*	7795.4	7483.6	7305.8	6555.9	2522.7
62.5°	6857.1	6846.4	6921.2	7635.1	8058.7	*8125.7*	8010.1	7594.3	7498.2	6812.4	3340.6
65°	7344.7	7322.4	7461.3	8053.8	8388.0	*8435.6*	8334.6	7783.8	7582.7	6998.9	4109.0
67.5°	7555.5	7550.6	7774.1	8452.1	8733.8	*8785.3*	8696.9	8045.1	7563.3	7058.1	4448.0
70°	7459.3	7440.9	7798.3	8621.1	8929.0	*8987.3*	8901.8	8142.2	7352.5	6870.7	3945.8
71°	*7353.4*	*7303.9*	*7725.5*	*8609.5*	*8956.2*	*9005.8*	*8856.2*	*8053.8*	*7140.7*	*6604.5*	*3490.2*
72.5°	7025.1	7033.9	7525.4	8488.0	8891.2	*8876.6*	8597.8	7737.1	6885.2	6000.3	2803.4
75°	6216.9	6268.4	6877.5	7978.0	8310.3	*8124.7*	7698.3	7132.0	6372.3	4302.3	1946.7
77.5°	5080.4	5157.1	5826.4	6996.9	6902.7	*6884.3*	6866.8	6283.9	5441.7	2310.9	1354.1
80°	2425.6	2591.7	3514.5	4994.9	5426.2	*5635.1*	5503.9	5063.9	4208.1	1100.6	809.2
82.5°	158.3	156.4	221.5	419.6	1768.9	*2286.7*	3633.0	3619.4	2933.6	536.2	330.3
85°	74.8	76.7	84.5	96.2	111.7	*122.4*	169.0	990.8	1403.7	255.5	71.9
87.5°	43.7	44.7	52.5	67.0	87.4	*97.1*	115.6	148.6	182.6	140.9	15.5
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-SA4A-730-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2.5°	79.7	78.7	75.8	72.9	69.9	68.0	67.0	68.0	68.0	69.0	69.0
5°	79.7	76.7	71.9	66.1	62.2	58.3	56.3	55.4	56.3	56.3	56.3
7.5°	78.7	73.8	67.0	60.2	55.4	50.5	48.6	47.6	47.6	48.6	48.6
10°	76.7	71.9	63.1	55.4	49.5	43.7	40.8	37.9	37.9	37.9	38.9
12.5°	75.8	69.0	58.3	50.5	42.7	35.9	30.1	27.2	28.2	28.2	28.2
15°	73.8	66.1	55.4	45.7	35.9	27.2	22.3	19.4	20.4	21.4	20.4
17.5°	73.8	65.1	51.5	39.8	28.2	20.4	16.5	14.6	14.6	15.5	15.5
20°	73.8	63.1	48.6	34.0	21.4	15.5	11.7	10.7	10.7	12.6	13.6
22.5°	75.8	63.1	44.7	28.2	17.5	11.7	8.7	7.8	8.7	10.7	11.7
25°	78.7	62.2	40.8	25.3	14.6	8.7	6.8	4.9	5.8	7.8	8.7
27.5°	81.6	61.2	36.9	22.3	11.7	6.8	4.9	3.9	2.9	3.9	3.9
30°	84.5	61.2	33.0	18.5	9.7	4.9	2.9	1.9	1.0	0.0	0.0
32.5°	86.5	59.3	30.1	14.6	7.8	3.9	1.9	1.0	0.0	0.0	0.0
35°	88.4	57.3	26.2	11.7	5.8	2.9	1.0	0.0	0.0	0.0	0.0
37.5°	90.3	54.4	22.3	9.7	4.9	1.9	0.0	0.0	0.0	0.0	0.0
40°	92.3	50.5	18.5	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	94.2	47.6	15.5	6.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	99.1	45.7	12.6	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	107.8	43.7	11.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	120.5	41.8	10.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	137.9	40.8	9.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	169.0	39.8	8.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	222.4	38.9	8.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	341.0	36.9	8.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	609.1	35.9	7.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1061.7	36.9	7.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1522.2	38.9	6.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1302.6	34.0	6.8	3.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0
71°	*1061.7*	*30.1*	*6.8*	*3.9*	*1.9*	*1.0*	*1.0*	*0.0*	*0.0*	*0.0*	*0.0*
72.5°	682.9	23.3	5.8	3.9	1.9	1.9	1.0	0.0	0.0	0.0	0.0
75°	288.5	19.4	5.8	3.9	2.9	1.9	1.9	1.0	0.0	0.0	0.0
77.5°	123.4	14.6	5.8	4.9	3.9	2.9	2.9	1.9	1.0	0.0	0.0
80°	46.6	11.7	6.8	5.8	4.9	4.9	3.9	1.9	1.0	0.0	0.0
82.5°	21.4	9.7	6.8	5.8	5.8	4.9	3.9	2.9	1.9	0.0	0.0
85°	13.6	8.7	6.8	5.8	5.8	4.9	4.9	2.9	1.9	0.0	0.0
87.5°	10.7	8.7	6.8	6.8	5.8	5.8	3.9	2.9	1.0	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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

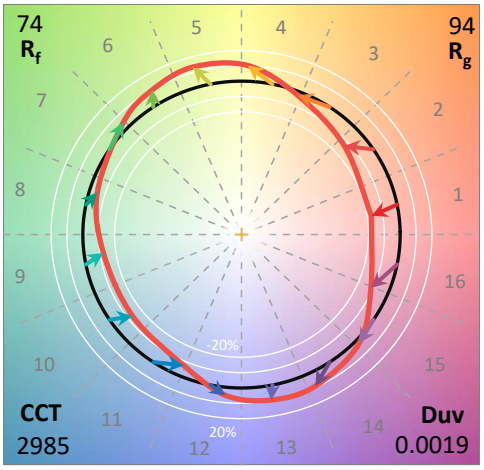
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

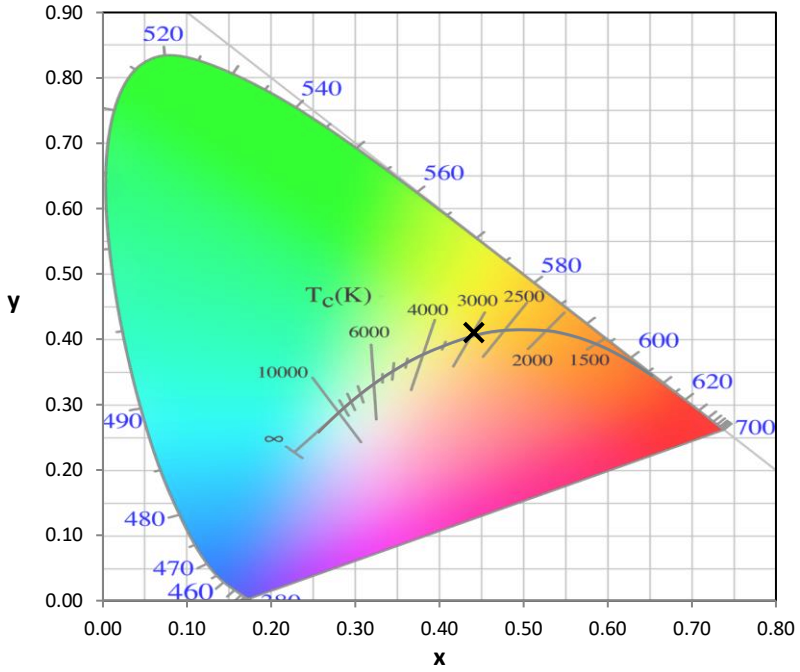
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

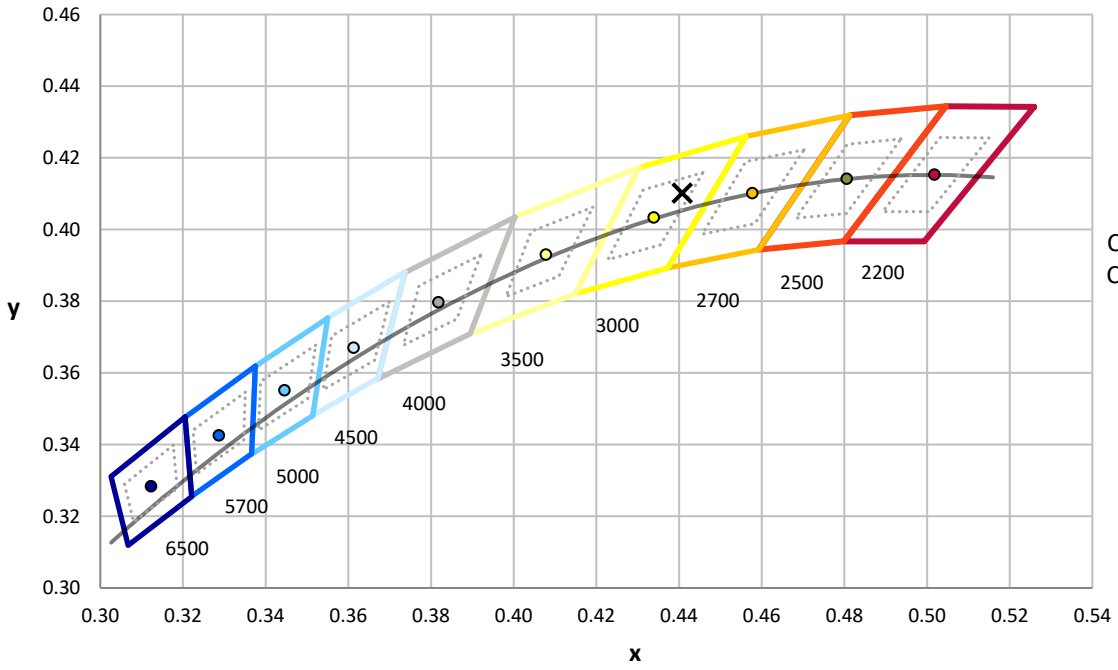
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

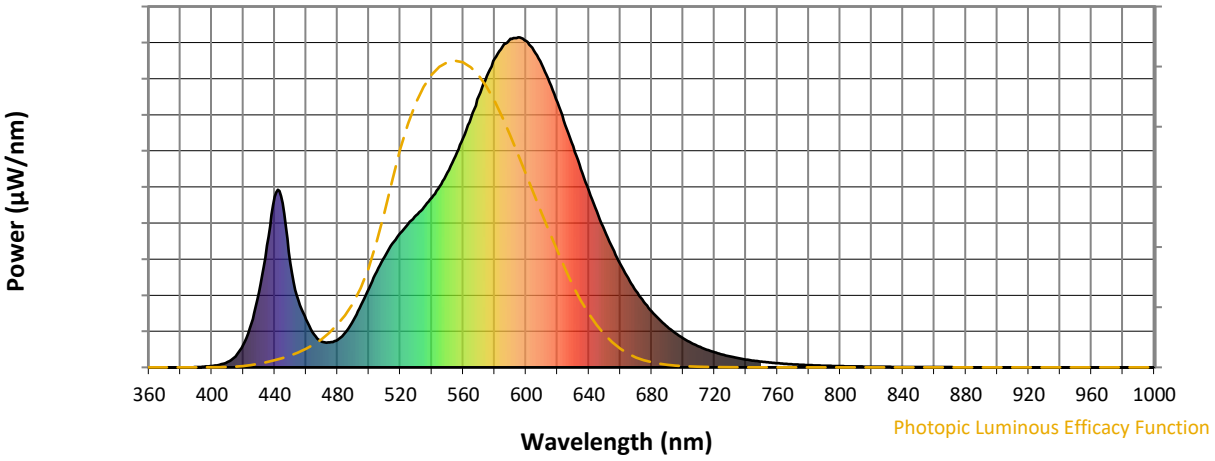


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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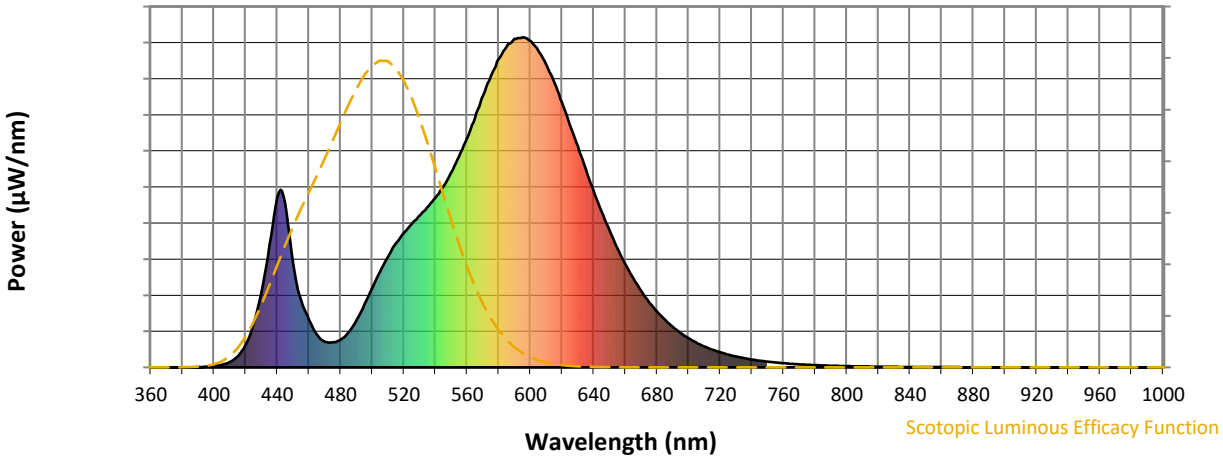
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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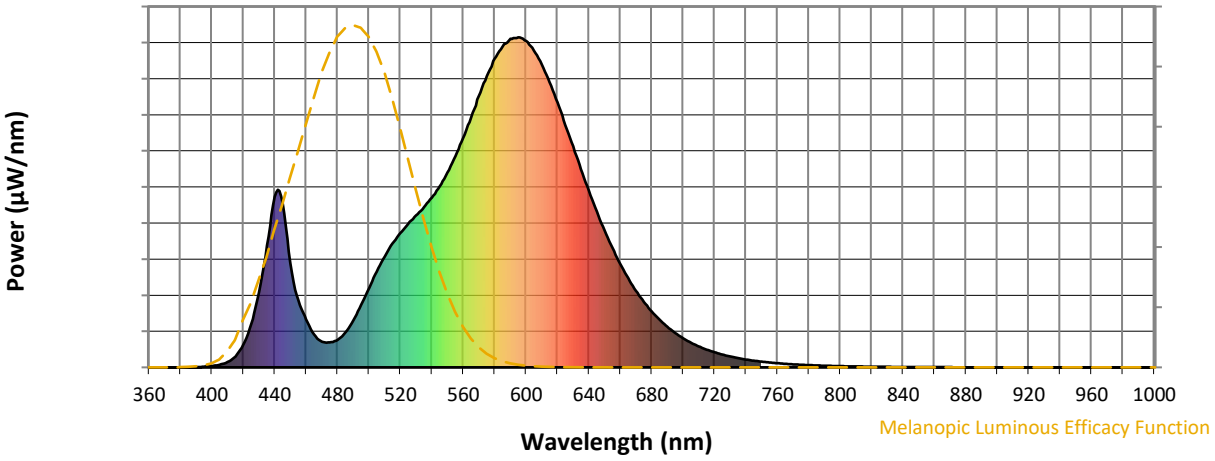
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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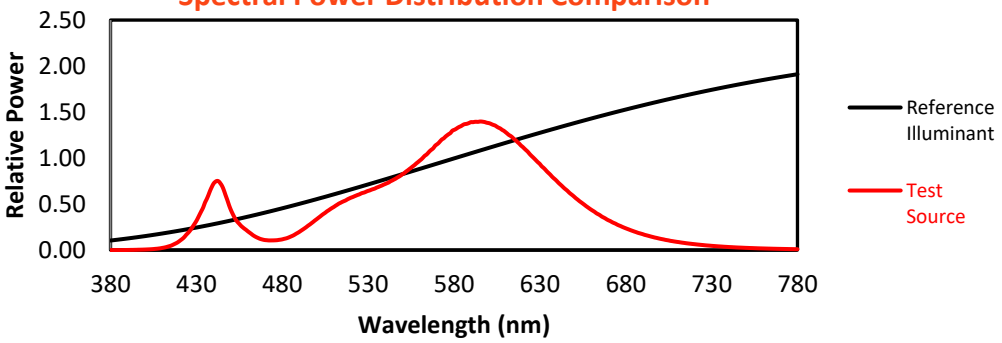
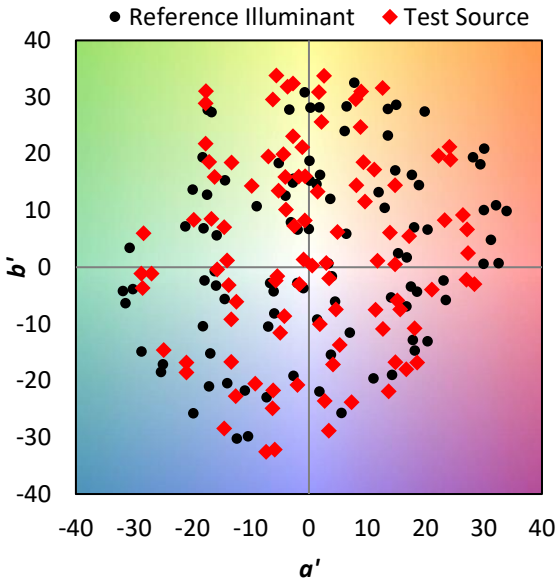
Summary

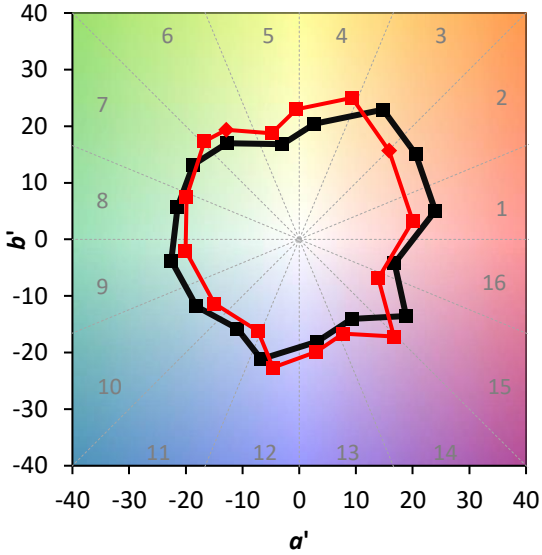
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

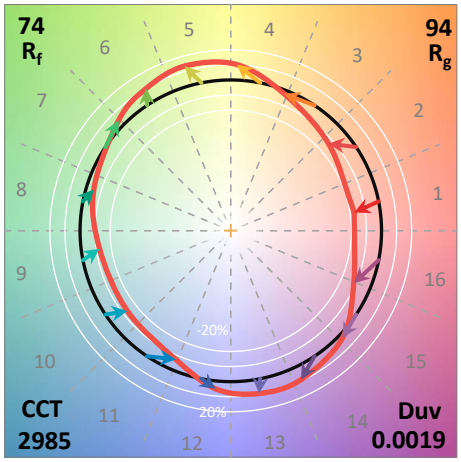
Spectral Power Distribution Comparison

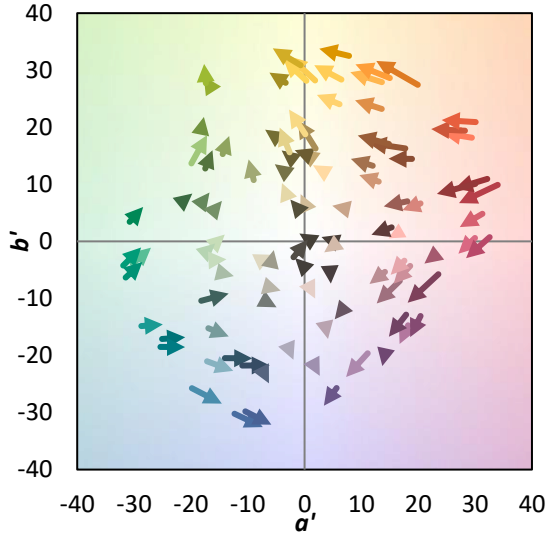


Color Vector Graphics









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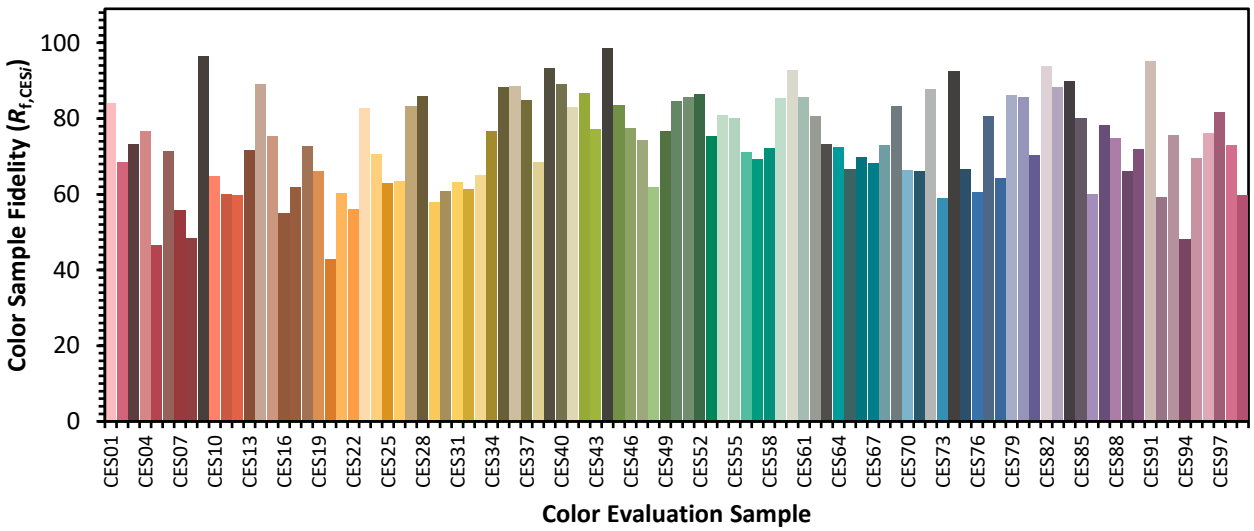
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



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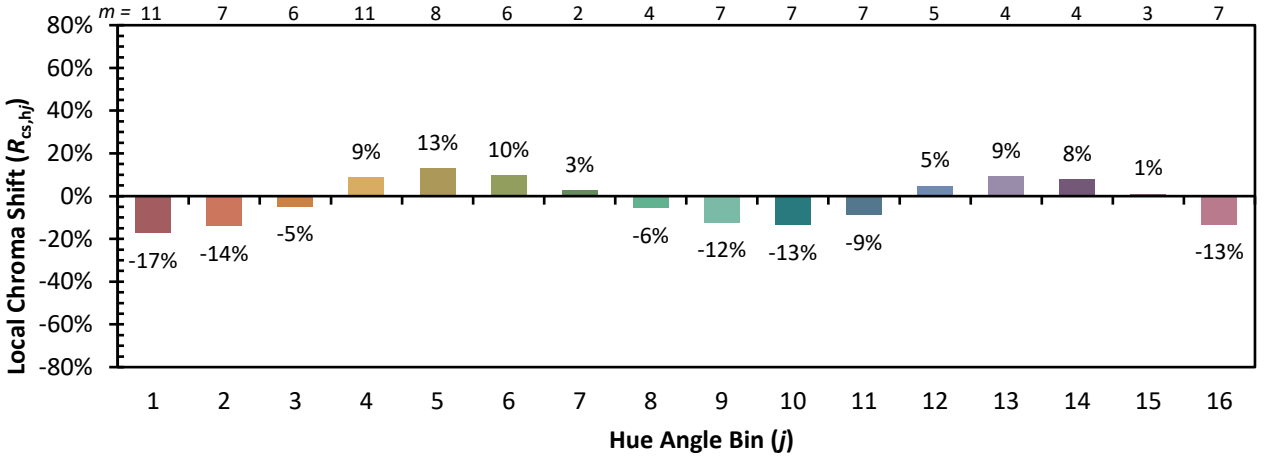
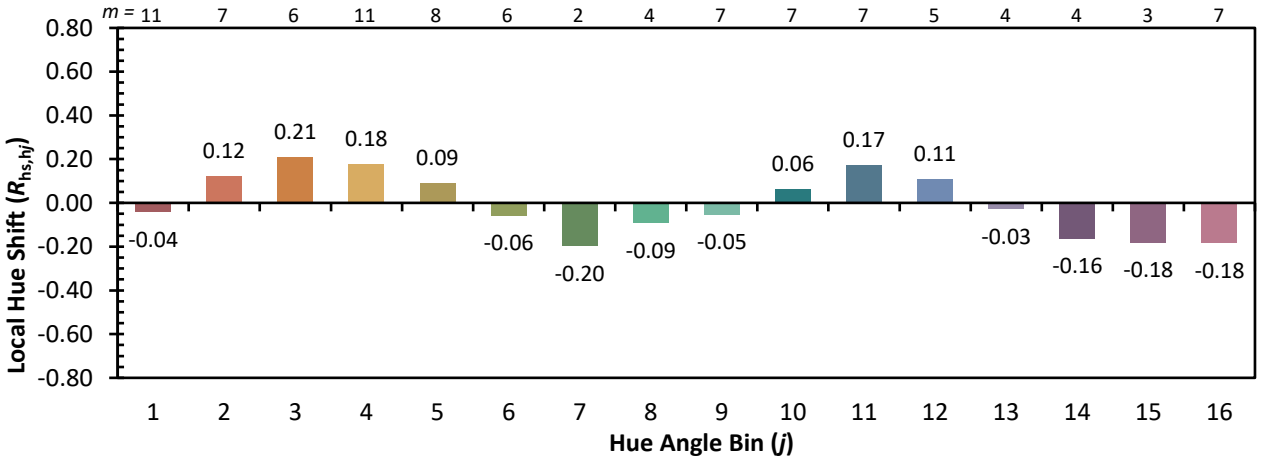
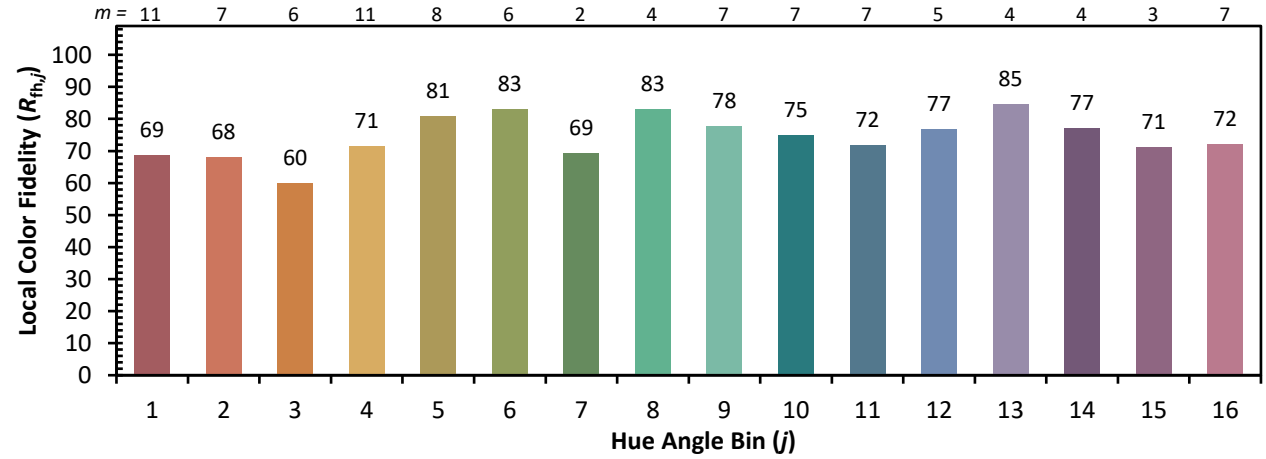
Color Rendition by Hue-Angle Bin







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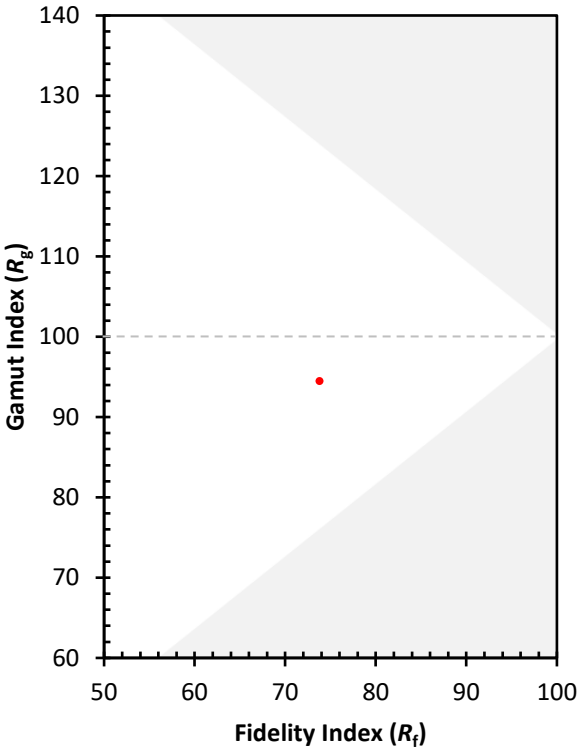
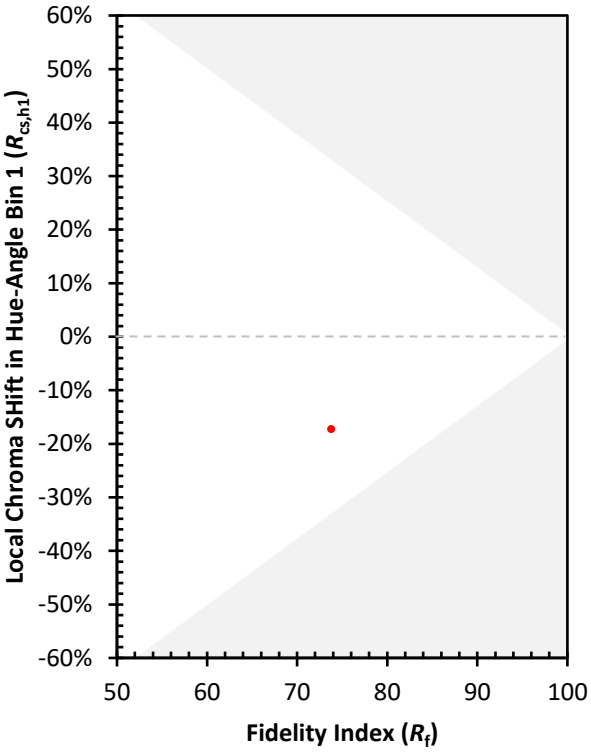
Measure Comparisons





(END OF REPORT)