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: STREETWORKS

Report Number: P1057668

Luminaire Tested: **GAP-SA2A-730-U-RBC**

Issue Date: 08/07/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1057668
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GAP-SA2A-730-U-RBC
Description:	GALLEON PEDESTRAIAN COMPANION 615mA 2xLight Square PACKAGE 70CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source:	(28) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5631.7 lumens
Efficiency:	N/A
Efficacy:	101.3 lumens/watt
Luminous Opening:	Rectangular (W 1.33' x L: 0.67' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G2

Input Watts (W):	55.6
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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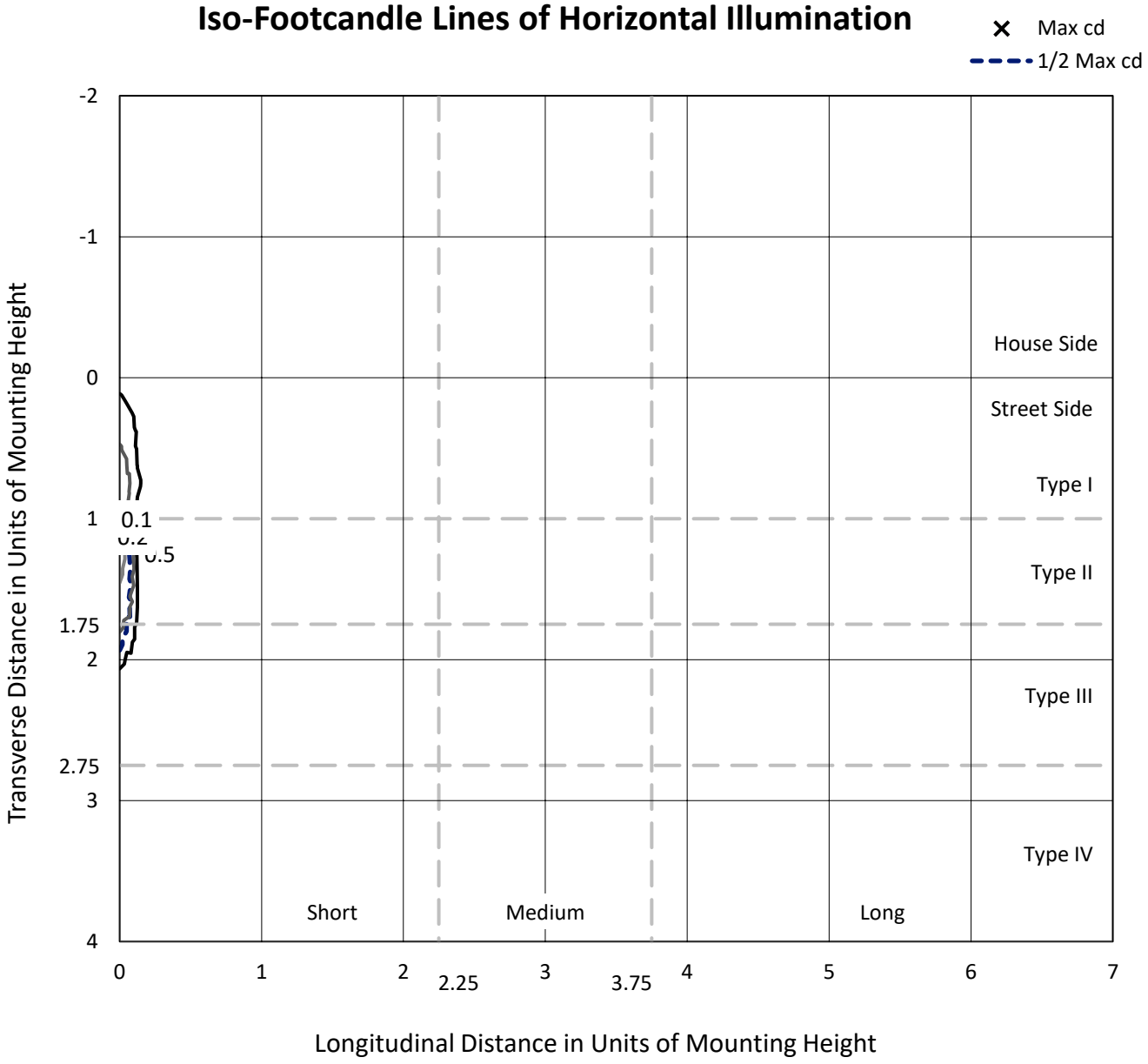
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Short - N/A

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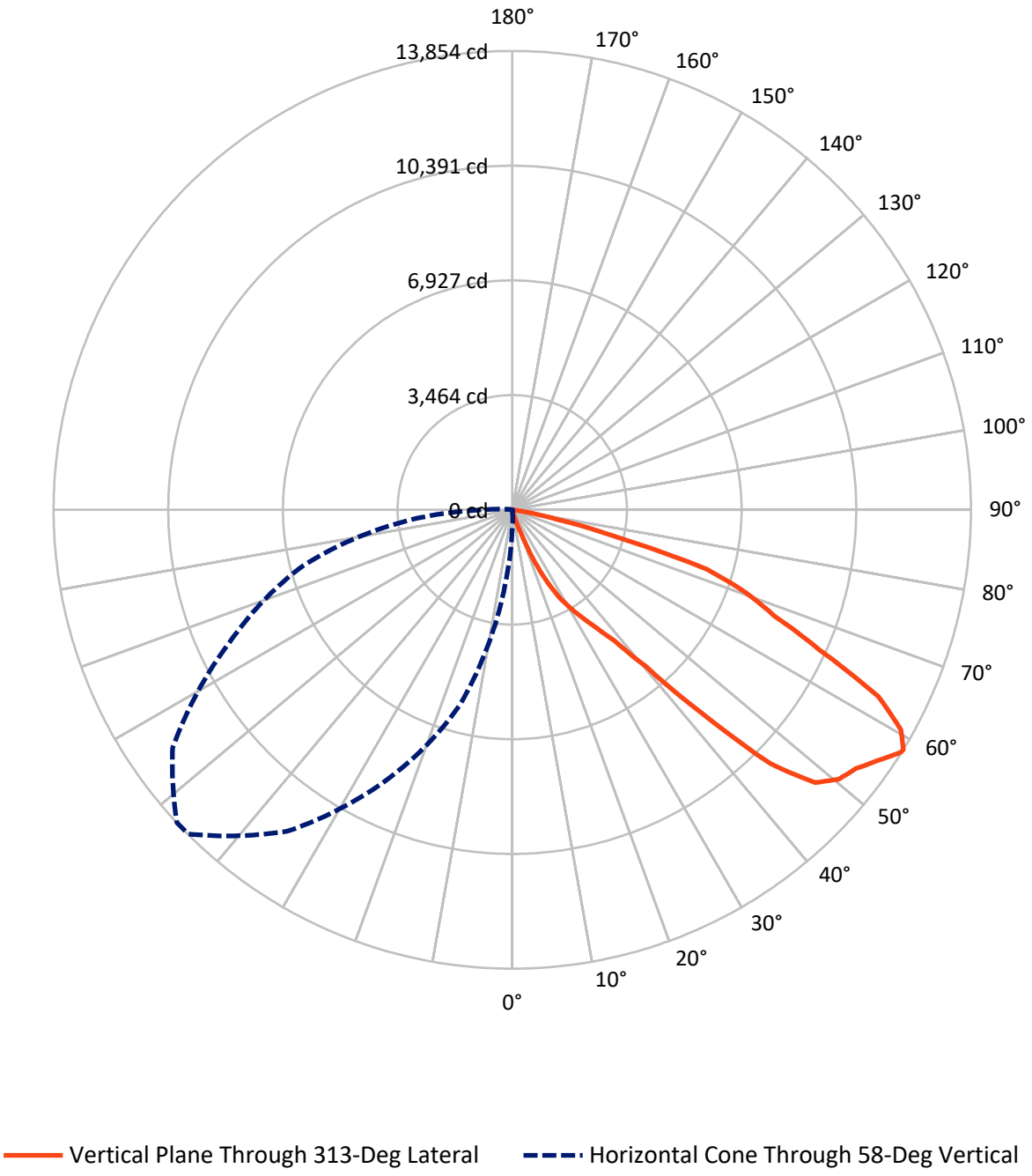
Luminous Intensity Polar Plot



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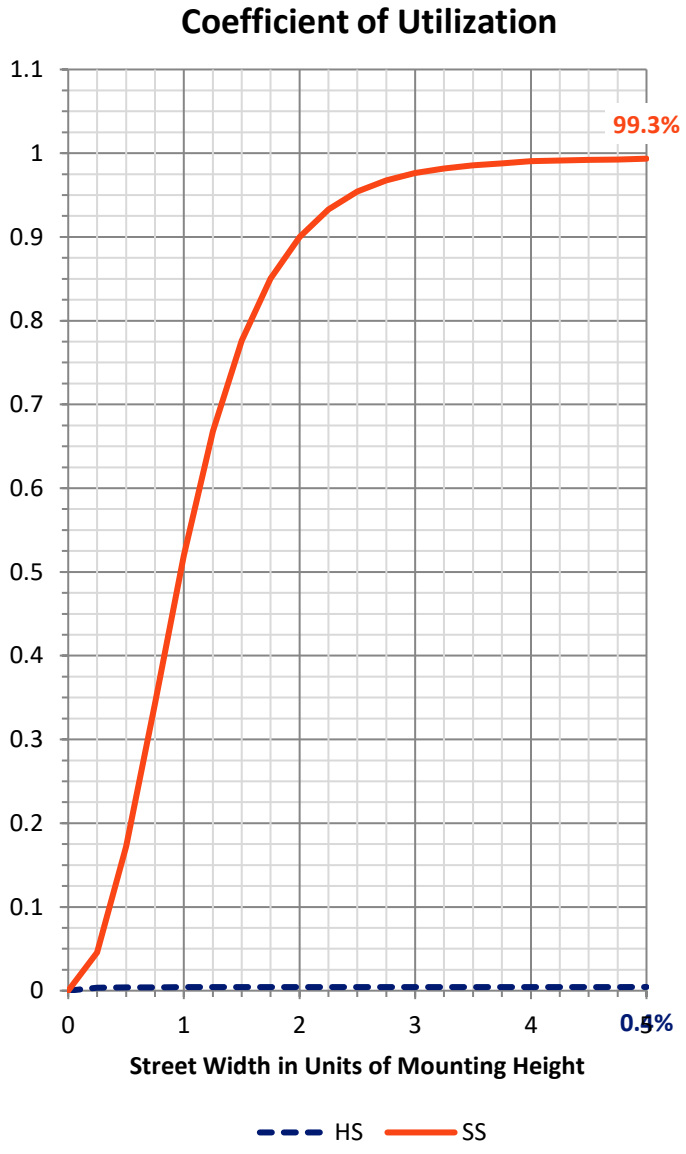
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25.2	0.0	25.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5606.5	0.0	5606.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	5631.7	0.0	5631.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.0
10°-20°	9.8	0.2
20°-30°	142.2	2.5
30°-40°	408.9	7.3
40°-50°	1164.7	20.7
50°-60°	1832.0	32.5
60°-70°	1562.3	27.7
70°-80°	498.3	8.8
80°-90°	12.7	0.2
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°	5631.7	100.0
0°-180°	5631.7	100.0



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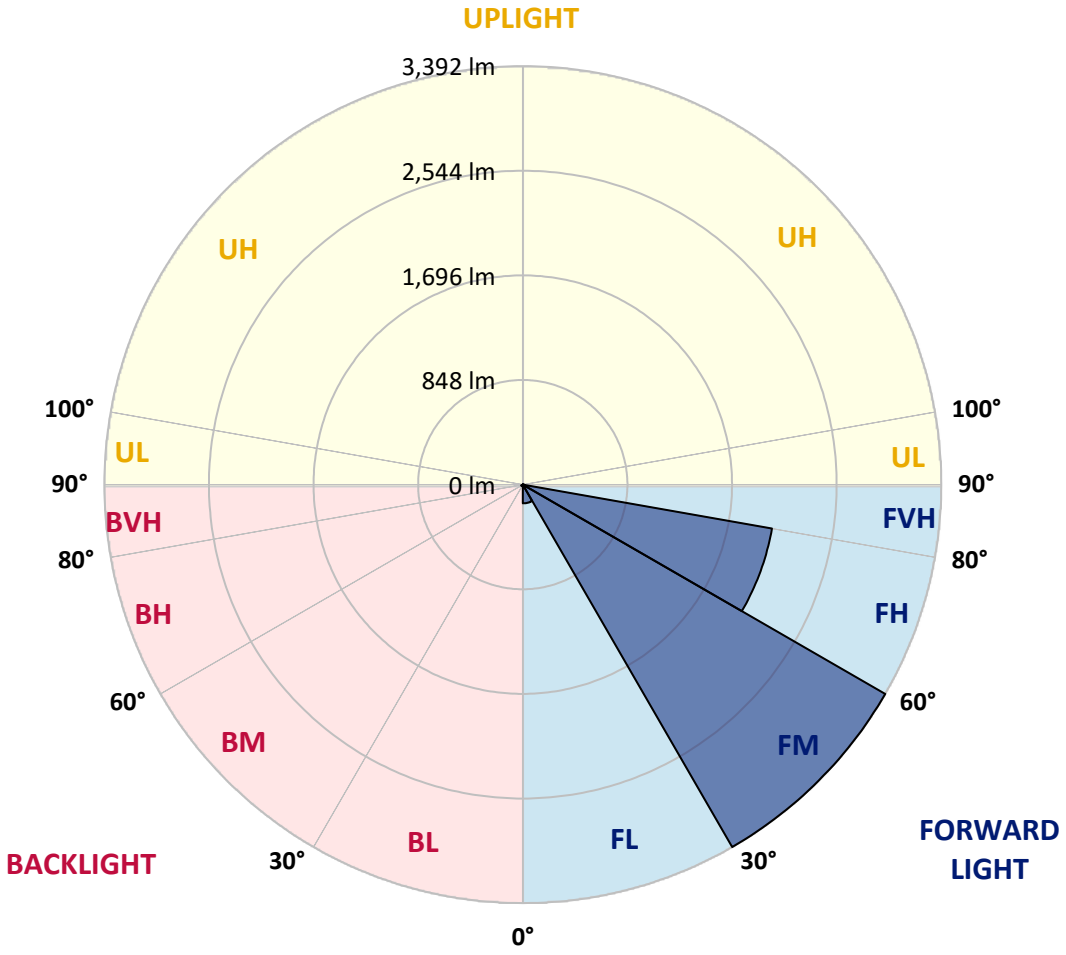
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	151.8	2.7			
FM	(30°-60°)	3392.1	60.2			
FH	(60°-80°)	2050.6	36.4			G2/5000
FVH	(80°-90°)	12.0	0.2			G1/100
BL	(0°-30°)	1.0	0.0	B0/110		
BM	(30°-60°)	13.5	0.2	B0/220		
BH	(60°-80°)	10.0	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
2.5°	20.3	21.4	22.5	21.4	19.2	14.7	14.7	11.3	7.9	4.5	3.4
5°	22.5	22.5	22.5	21.4	19.2	14.7	13.5	10.1	6.8	4.5	2.3
7.5°	24.8	24.8	23.7	21.4	18.0	14.7	13.5	10.1	6.8	3.4	0.0
10°	27.0	27.0	24.8	22.5	18.0	13.5	12.4	9.0	5.6	2.3	0.0
12.5°	30.4	29.3	25.9	22.5	18.0	12.4	12.4	9.0	4.5	1.1	0.0
15°	34.9	31.6	27.0	22.5	16.9	12.4	11.3	7.9	3.4	0.0	0.0
17.5°	38.3	34.9	28.2	21.4	15.8	11.3	10.1	6.8	3.4	0.0	0.0
20°	41.7	36.1	28.2	21.4	15.8	10.1	9.0	5.6	1.1	0.0	0.0
22.5°	47.3	38.3	28.2	21.4	14.7	9.0	7.9	4.5	0.0	0.0	0.0
25°	58.6	40.6	28.2	20.3	13.5	7.9	6.8	2.3	0.0	0.0	0.0
27.5°	72.1	44.0	28.2	19.2	12.4	6.8	5.6	1.1	0.0	0.0	0.0
30°	86.8	47.3	28.2	19.2	11.3	5.6	4.5	0.0	0.0	0.0	0.0
32.5°	102.6	51.8	28.2	18.0	10.1	4.5	3.4	0.0	0.0	0.0	0.0
35°	131.9	58.6	28.2	18.0	9.0	3.4	2.3	0.0	0.0	0.0	0.0
37.5°	145.4	67.6	28.2	16.9	9.0	2.3	1.1	0.0	0.0	0.0	0.0
40°	151.0	65.4	27.0	16.9	7.9	1.1	0.0	0.0	0.0	0.0	0.0
42.5°	163.4	60.9	28.2	15.8	7.9	1.1	0.0	0.0	0.0	0.0	0.0
45°	199.5	60.9	30.4	15.8	6.8	2.3	0.0	0.0	0.0	0.0	0.0
47.5°	346.0	63.1	29.3	15.8	6.8	2.3	0.0	0.0	0.0	0.0	0.0
50°	569.2	74.4	28.2	16.9	7.9	1.1	0.0	0.0	0.0	0.0	0.0
52.5°	660.5	90.2	28.2	18.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0
55°	633.4	110.5	28.2	19.2	12.4	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	575.9	104.8	30.4	22.5	15.8	0.0	0.0	0.0	0.0	0.0	0.0
58°	*554.5*	*104.8*	*30.4*	*22.5*	*15.8*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	435.1	107.1	34.9	24.8	16.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	323.5	109.3	39.4	28.2	16.9	1.1	0.0	0.0	0.0	0.0	0.0
65°	240.1	113.8	41.7	32.7	15.8	2.3	0.0	0.0	0.0	0.0	0.0
67.5°	191.6	117.2	45.1	36.1	18.0	4.5	1.1	0.0	0.0	0.0	0.0
70°	164.6	112.7	48.5	37.2	16.9	6.8	3.4	0.0	0.0	0.0	0.0
72.5°	146.5	105.9	55.2	36.1	18.0	6.8	3.4	0.0	0.0	0.0	0.0
75°	131.9	96.9	63.1	34.9	18.0	6.8	4.5	0.0	0.0	0.0	0.0
77.5°	99.2	84.5	62.0	33.8	16.9	6.8	4.5	0.0	0.0	0.0	0.0
80°	49.6	56.4	54.1	30.4	13.5	5.6	4.5	1.1	0.0	0.0	0.0
82.5°	20.3	21.4	27.0	22.5	11.3	4.5	4.5	1.1	0.0	0.0	0.0
85°	2.3	4.5	7.9	9.0	7.9	4.5	4.5	1.1	0.0	0.0	0.0
87.5°	0.0	1.1	4.5	6.8	5.6	3.4	2.3	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
2.5°	2.3	2.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
2.5°	1.1	2.3	2.3	2.3	3.4	3.4	4.5	5.6	5.6	5.6	6.8
5°	0.0	0.0	1.1	1.1	2.3	3.4	4.5	6.8	7.9	7.9	9.0
7.5°	0.0	0.0	0.0	1.1	2.3	3.4	4.5	6.8	9.0	10.1	11.3
10°	0.0	0.0	0.0	0.0	1.1	2.3	4.5	7.9	11.3	13.5	15.8
12.5°	0.0	0.0	0.0	0.0	0.0	1.1	4.5	9.0	13.5	16.9	19.2
15°	0.0	0.0	0.0	0.0	0.0	1.1	4.5	9.0	16.9	20.3	24.8
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.5	10.1	19.2	24.8	33.8
20°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	10.1	21.4	30.4	50.7
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	10.1	23.7	39.4	93.5
25°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	10.1	27.0	58.6	155.5
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	11.3	32.7	82.3	227.7
30°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	11.3	40.6	111.6	317.8
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	11.3	47.3	140.9	432.8
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	56.4	187.1	543.3
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	69.9	206.3	636.8
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	66.5	224.3	743.9
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	60.9	250.2	911.8
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	60.9	331.4	1283.7
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	74.4	516.2	1962.2
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	95.8	792.3	2794.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	116.1	974.9	3276.4
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	139.8	976.0	3260.6
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	155.5	873.5	2942.8
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*7.9*	*154.4*	*845.3*	*2854.9*
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	11.3	135.2	733.7	2492.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.5	18.0	118.3	526.3	2065.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	9.0	20.3	108.2	382.1	1550.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.3	23.7	103.7	270.5	1078.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	13.5	27.0	95.8	193.9	710.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.5	33.8	90.2	152.2	428.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	13.5	42.8	78.9	124.0	229.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.5	46.2	65.4	90.2	139.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	12.4	41.7	47.3	39.4	47.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.8	24.8	10.1	10.1	15.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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

Scaled Data Report

REPORT NUMBER: P1057668
CATALOG NUMBER: GAP-SA2A-730-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	7.9	7.9	7.9	*7.9*	7.9	7.9	7.9	7.9	7.9	7.9
2.5°	7.9	7.9	7.9	*7.9*	9.0	9.0	12.4	15.8	19.2	20.3
5°	10.1	11.3	12.4	*12.4*	12.4	13.5	15.8	18.0	21.4	22.5
7.5°	14.7	15.8	18.0	*18.0*	18.0	19.2	20.3	22.5	24.8	24.8
10°	19.2	22.5	23.7	*24.8*	25.9	25.9	25.9	27.0	28.2	27.0
12.5°	25.9	30.4	36.1	*37.2*	37.2	37.2	36.1	33.8	31.6	30.4
15°	36.1	49.6	67.6	*74.4*	71.0	63.1	55.2	42.8	37.2	34.9
17.5°	66.5	135.2	245.7	*271.6*	266.0	228.8	134.1	65.4	44.0	38.3
20°	179.2	437.3	721.3	*790.1*	826.1	684.1	395.6	152.2	54.1	41.7
22.5°	386.6	908.4	1407.7	*1585.8*	1597.1	1284.9	769.8	308.8	77.8	47.3
25°	622.1	1452.8	2133.6	*2306.0*	2309.4	1980.3	1230.8	500.4	118.3	58.6
27.5°	953.5	2036.6	2798.5	*2941.7*	2939.4	2605.8	1778.5	764.2	165.7	72.1
30°	1292.8	2492.0	3237.0	*3415.0*	3431.9	3033.0	2236.1	1076.4	216.4	86.8
32.5°	1628.6	2829.0	3637.1	*3873.8*	3859.1	3410.5	2555.1	1332.2	303.2	102.6
35°	1893.5	3116.4	4080.0	*4370.8*	4382.1	3825.3	2838.0	1580.2	377.6	131.9
37.5°	2120.0	3487.2	4669.5	*5005.3*	5020.0	4341.5	3134.4	1823.6	441.8	145.4
40°	2399.5	4095.8	5645.5	*6215.8*	6218.1	5304.0	3667.5	2096.4	528.6	151.0
42.5°	3027.3	5399.8	7552.5	*8371.9*	8442.9	7301.2	4879.1	2688.1	665.0	163.4
45°	4282.9	7118.6	9984.8	*10928.1*	11018.3	9786.4	6956.3	4054.1	964.8	199.5
47.5°	5776.3	8613.1	11398.1	*12306.6*	12366.3	10961.9	8347.1	5634.3	1642.2	346.0
50°	6694.8	9166.5	11917.7	*12784.4*	12794.6	11348.5	8783.3	6454.8	2339.8	569.2
52.5°	6980.0	9237.5	11938.0	*12986.2*	13015.5	11303.5	8843.0	6620.4	2630.6	660.5
55°	6863.9	9195.8	12152.1	*13371.6*	13403.2	11487.2	8802.5	6439.0	2494.2	633.4
57.5°	6599.0	9358.1	12503.8	*13829.2*	13829.2	11826.4	8952.4	6134.7	2160.6	575.9
58°	*6559.6*	*9398.7*	*12522.9*	*13854.0*	*13843.9*	*11847.8*	*9014.4*	*6090.7*	*2087.3*	*554.5*
60°	6505.5	9523.8	12380.9	*13487.7*	13458.4	11696.8	9127.1	6051.3	1732.3	435.1
62.5°	6426.6	9242.0	11346.3	*12410.2*	12334.7	10638.5	8803.6	5820.2	1292.8	323.5
65°	6022.0	8201.7	9458.4	*10195.5*	10171.9	8751.8	7577.3	5213.9	931.0	240.1
67.5°	5076.4	6421.0	7640.5	*8528.6*	8534.2	7144.5	5926.2	4166.8	633.4	191.6
70°	3570.6	4736.0	6495.3	*7483.8*	7528.9	5992.7	4390.0	2777.1	418.1	164.6
72.5°	2132.4	3577.3	5401.0	*6151.6*	6127.9	4972.7	3257.3	1655.7	254.7	146.5
75°	1033.5	2138.1	2729.8	*3166.0*	3147.9	2487.5	1735.7	811.5	186.0	131.9
77.5°	280.6	657.1	1057.2	*1375.0*	1412.2	996.3	569.2	217.5	116.1	99.2
80°	94.7	202.9	344.9	*468.9*	481.3	430.5	214.1	76.6	50.7	49.6
82.5°	36.1	49.6	63.1	*56.4*	56.4	58.6	46.2	32.7	23.7	20.3
85°	0.0	0.0	1.1	*2.3*	2.3	3.4	3.4	3.4	2.3	2.3
87.5°	0.0	0.0	0.0	*0.0*	0.0	0.0	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

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

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

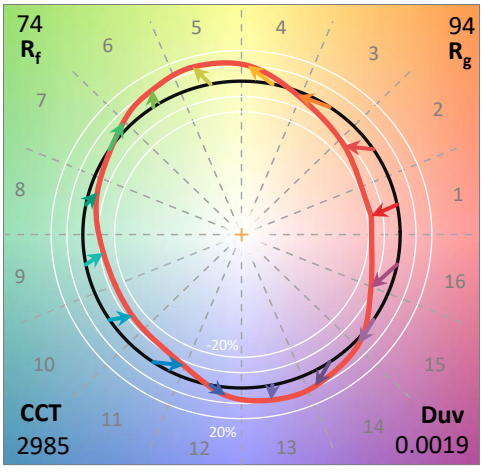
Test Information

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

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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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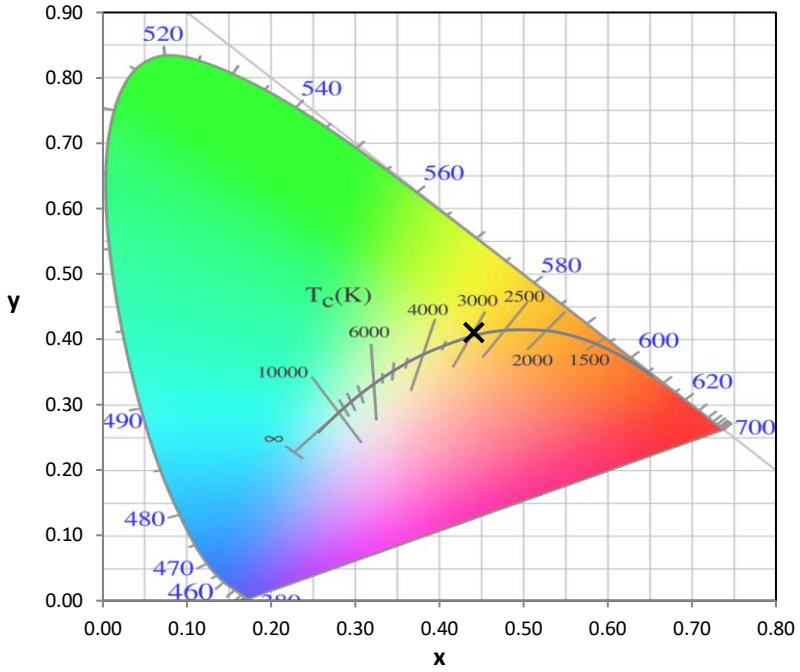
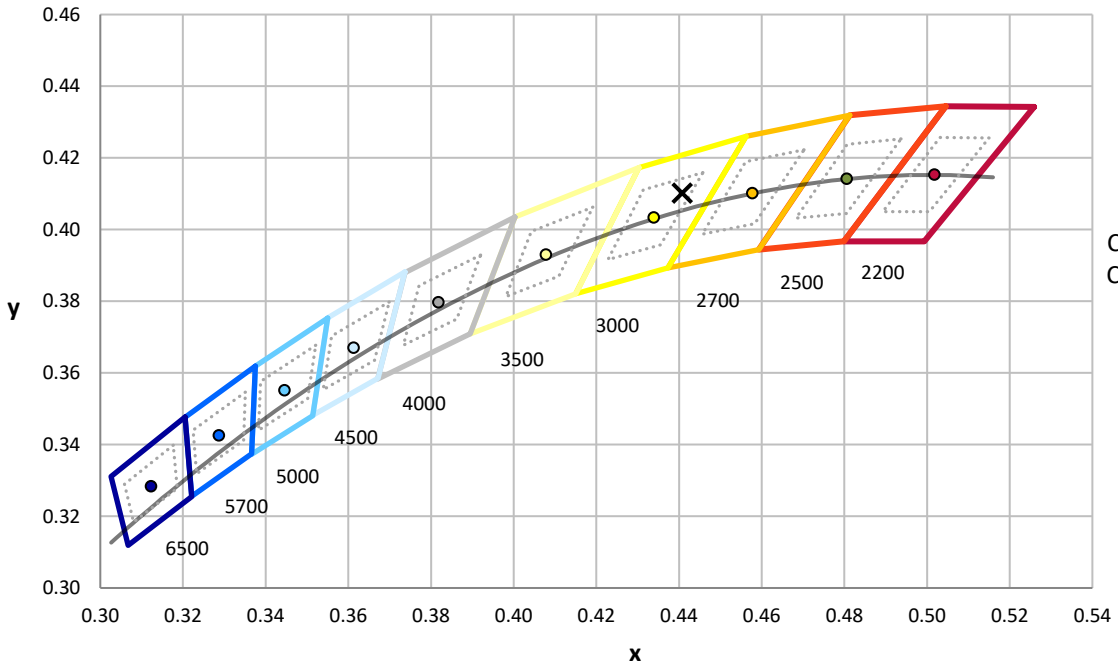
CIE 1931 Chromaticity Diagram



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



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

Point lies inside the ANSI 3000K 4-step quadrangle

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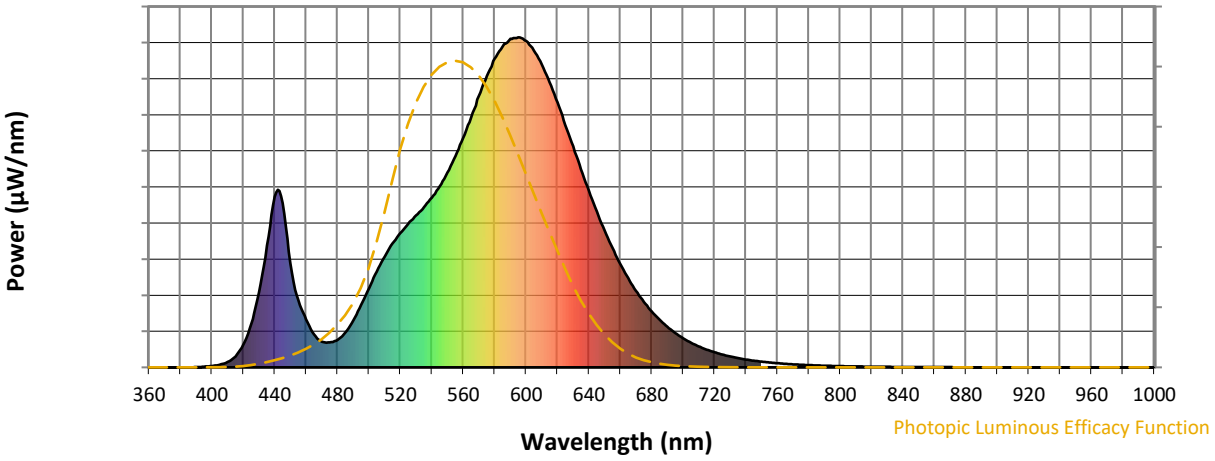
Photopic Flux vs. Wavelength



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	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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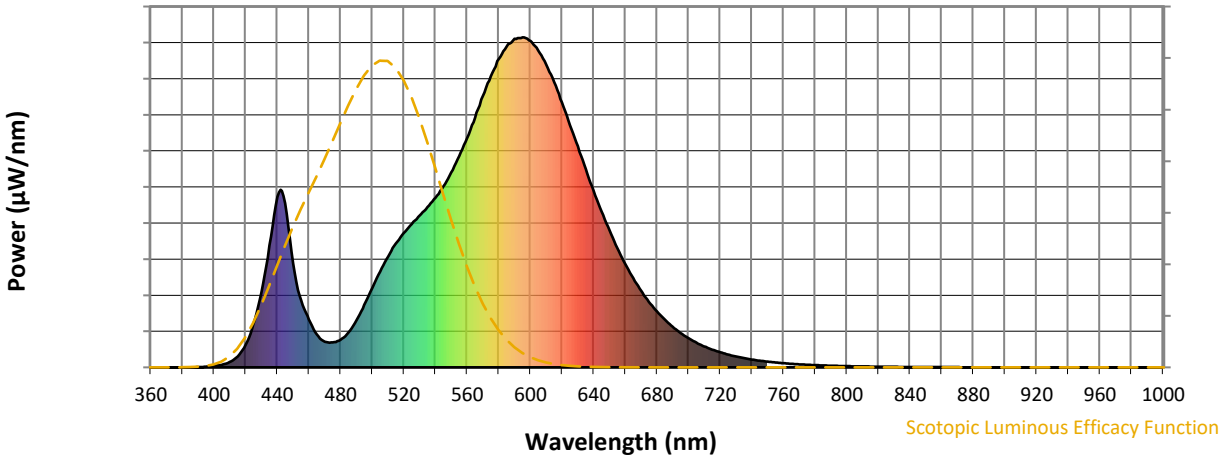
Scotopic Flux vs. Wavelength



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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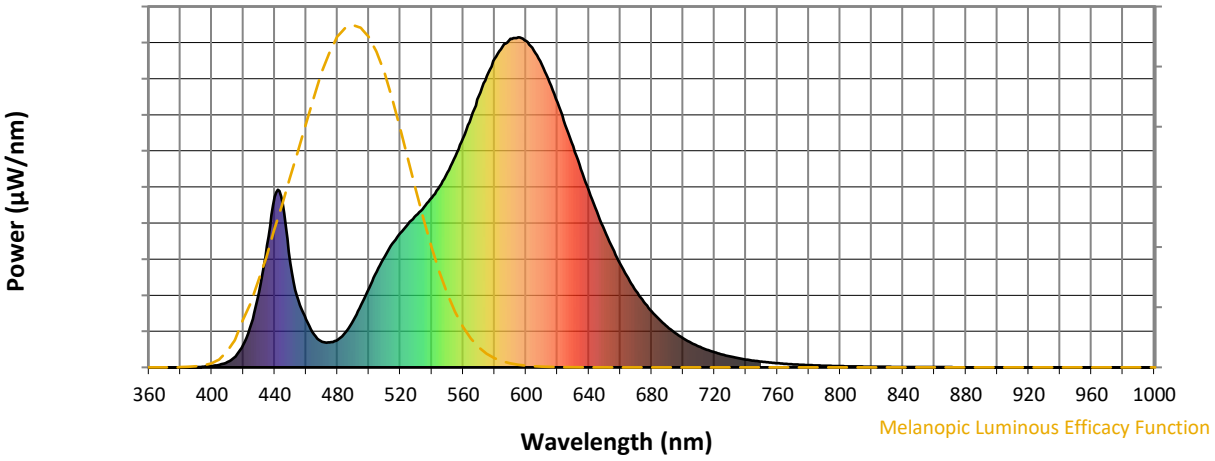
Melanopic Flux vs. Wavelength



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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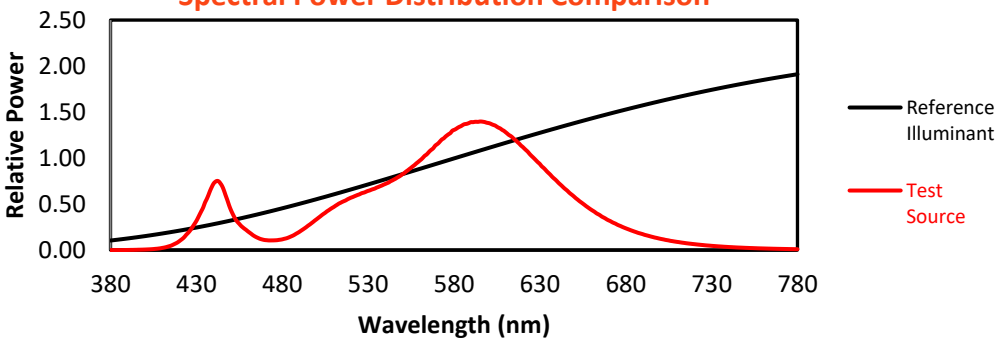
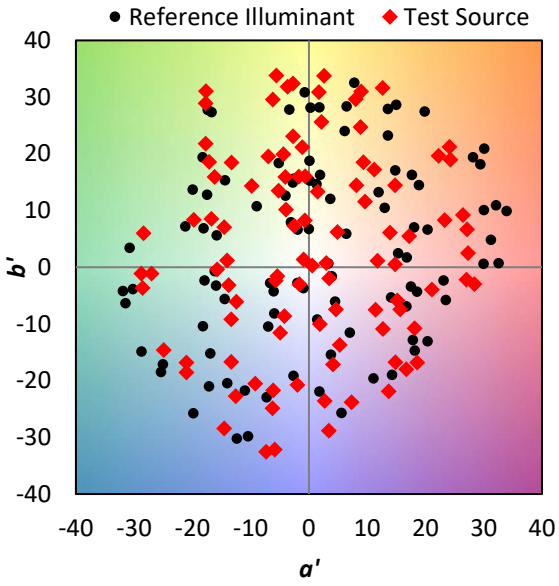
Summary

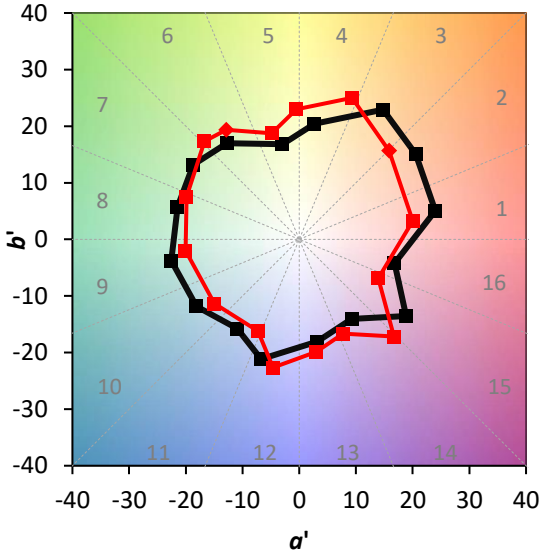
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

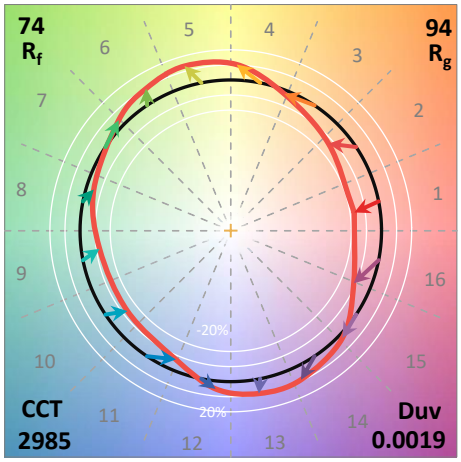
Spectral Power Distribution Comparison

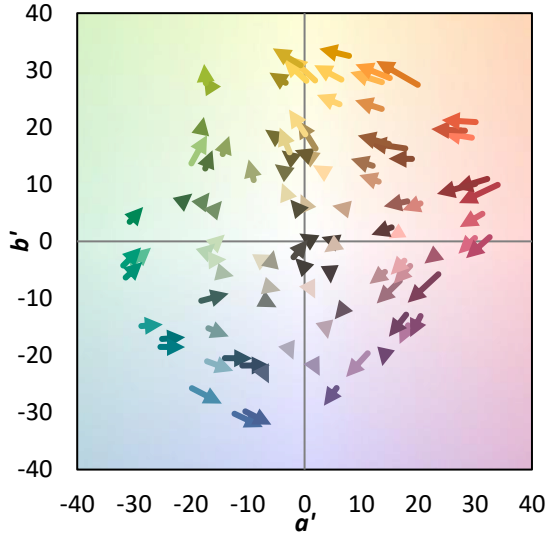


Color Vector Graphics









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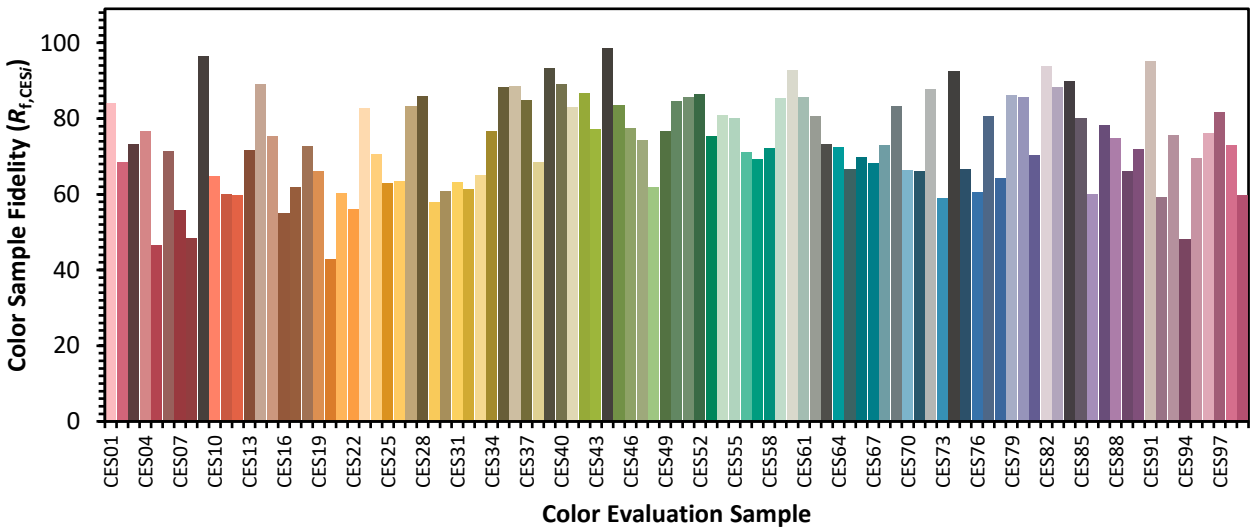
Individual Sample Fidelity Index ($R_{f,i}$)

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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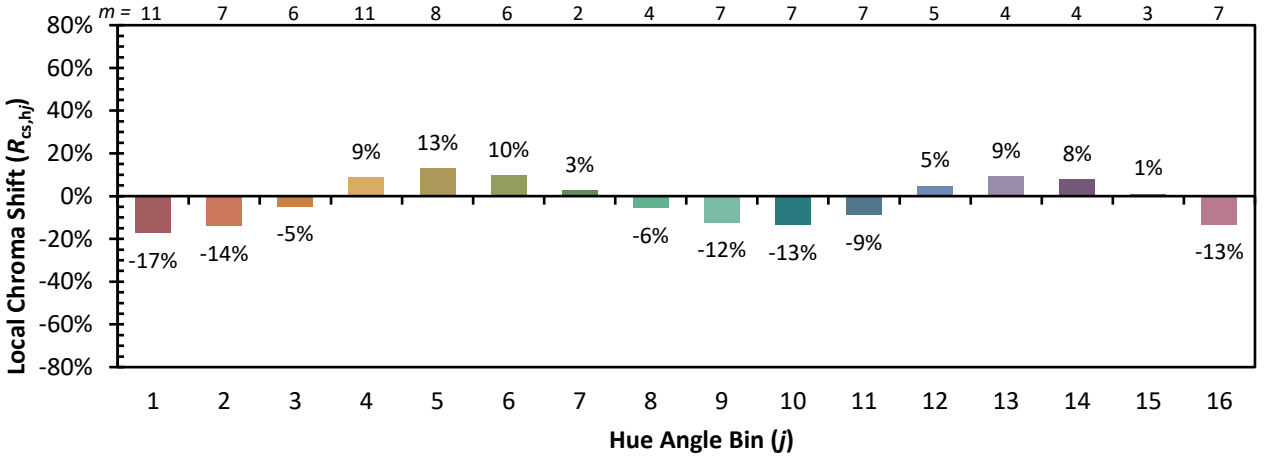
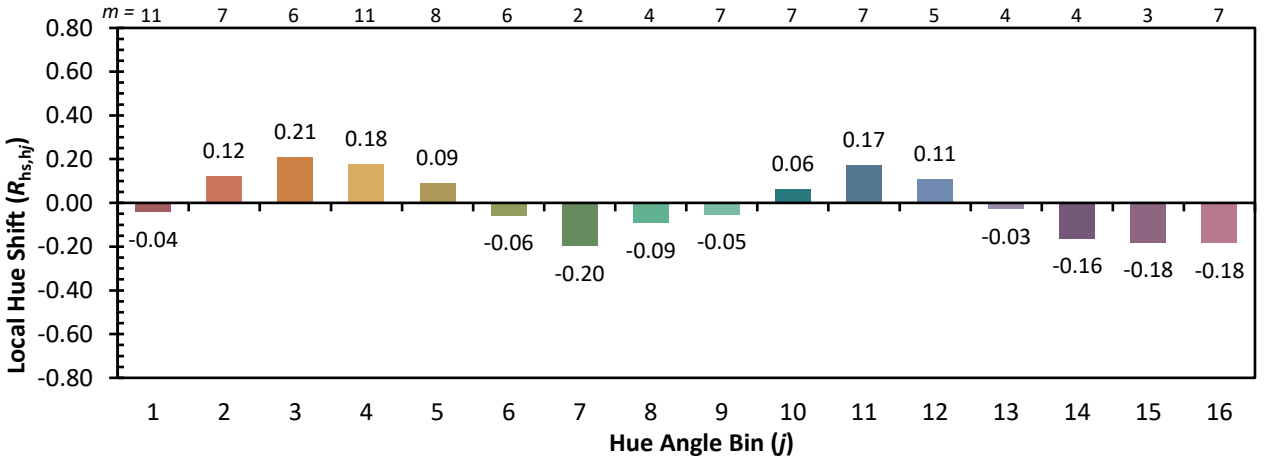
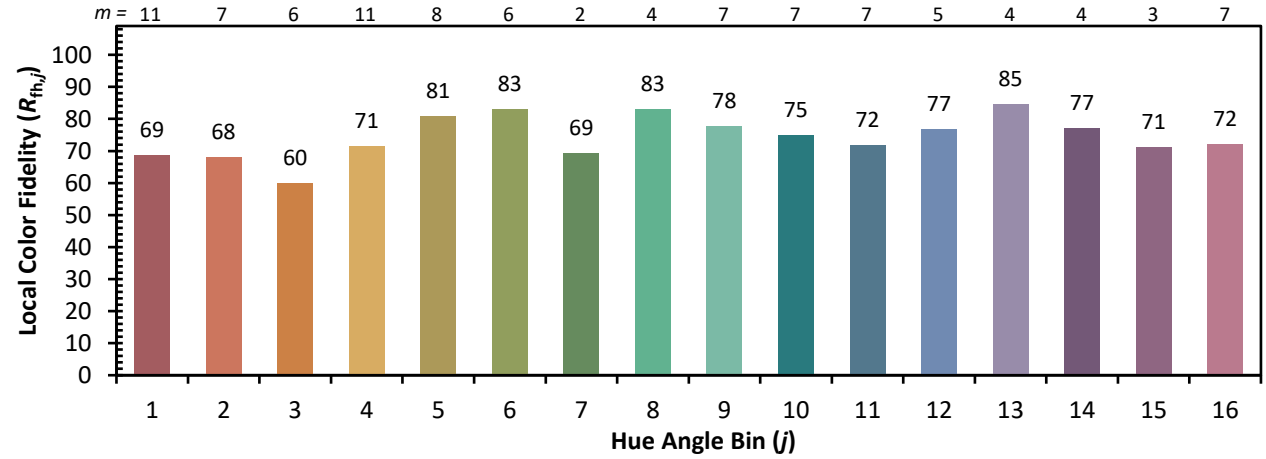
Color Rendition by Hue-Angle Bin







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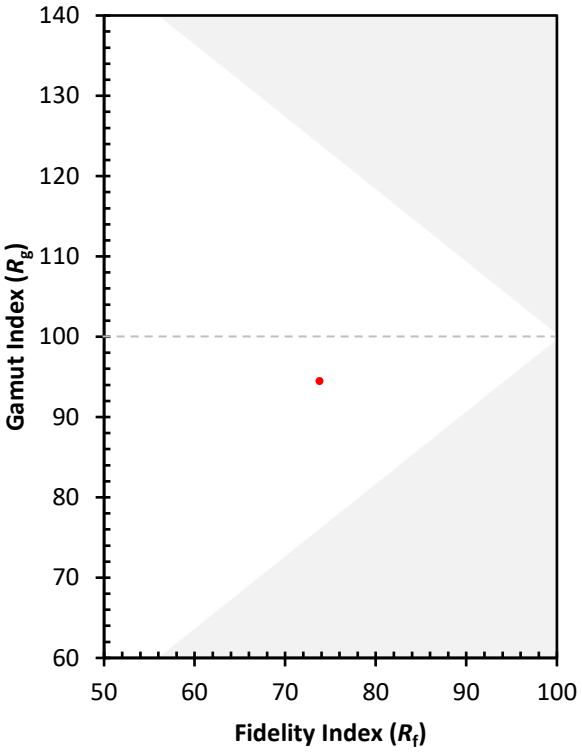
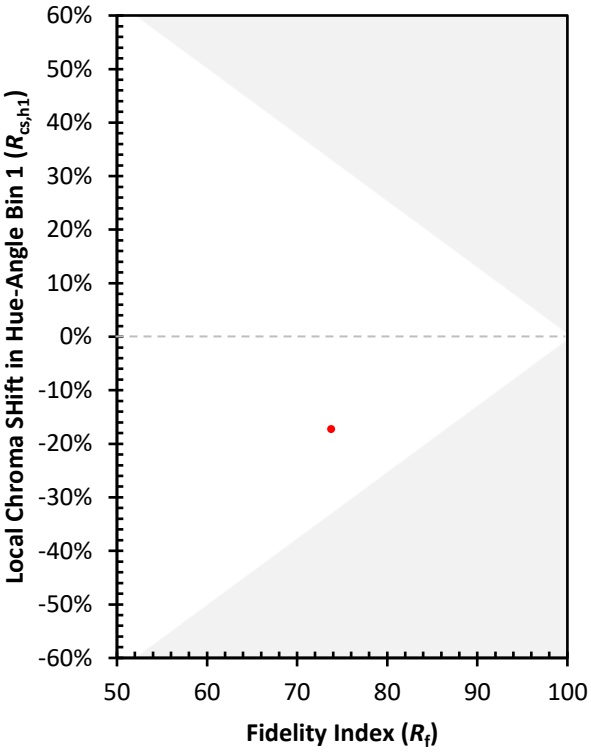
Measure Comparisons





(END OF REPORT)